

**TELESTO ENERGY PROJECT
GLARE HAZARD ANALYSIS**



Glare Hazard Analysis
Telesto Energy Project, LLC
Hardin County, Kentucky

April 4, 2022

Prepared for:

Telesto Energy Project, LLC

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Executive Summary

Stantec Consulting Services, Inc. (Stantec) utilized the web-based ForgeSolar glare hazard analysis program to analyze the potential for glare from the proposed Telesto Energy Project, LLC solar project (Project), a 110-megawatt (MW), utility-scale, solar-powered electric generating facility located in Hardin County, Kentucky (**Figure 1**). The Project will include photovoltaic (PV) solar panels mounted on a racking system to maximize solar energy capture and electric generation of the array. The Project area encompasses approximately 570-acres in an agricultural area located approximately 1-mile west of the City of Elizabethtown in central Kentucky. The ForgeSolar program identifies the three following types of glare (no color indicates no glare predicted):

- GREEN - Low potential for temporary after-image.
- YELLOW - Potential for temporary after-image.
- RED - Potential for permanent eye damage.

Based on the solar array parameters provided and the current site design, glare from the Project is not predicted to impact pilots landing at four airports and one helipad located within a 10-mile radius of the Project, including the Vine Grove Airport, Addington Field – Elizabethtown Regional Airport, Oz Airport, Hornback Airstrip, and the Baptist Health Hardin Helipad. The results of the ForgeSolar analysis determined that glare from the Project is not predicted to occur for drivers of vehicles on 18 roadways and one railroad adjacent to the Project, except for minor green glare predicted for the far west end of West Anjou Court (**Table 2**). It should be noted that this green glare may be mitigated, especially during the summertime, by trees and houses located between the impacted area and the arrays.

The analysis was completed at two viewing heights for roadways: 5 feet for cars and small trucks and 9 feet for semi-trucks. Glare is not predicted for approximately 125 structures, primarily residences, that were analyzed within proximity to the Project area. All routes and structures were analyzed using 4-foot, 8-foot and 12-foot panel heights. The analysis was conducted using the 'shade-slope' methodology, which uses existing topography to determine projected tilt of panels, and also simulates backtracking of panels at night and during the daytime to simulate the avoidance of shading effects.

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Abbreviations

AGL	above ground level
deg	degrees (0 is due north, 180 is due south)
DNI	direct normal irradiance
FAA	Federal Aviation Administration
FP	flight path (landing path from threshold to two miles out)
ft	foot
kW	kilowatt
kWh	kilowatt hour
m	meters
mi	mile
min	minutes
mrad	milliradian
MW	megawatt
MSL	mean sea level
OP	observation point (e.g., control tower, vehicle location)
PV	photovoltaic
W/m ²	Watts per square meter

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Glossary

Correlate Slope Error with Surface Type	Correlates the slope error value based on the surface material type; default value is 8.43 milliradians (mrads).
Eye Focal Length [meter (m)]	Typical distance between the cornea and the retina of the human eye, default is 0.017, though some sources indicate that the typical length is 0.022.
Glide Slope [degrees (deg)]	Angle at which the plane approaches the runway during landing (default is 3 deg from horizontal).
Maximum Tracking Angle (deg)	Rotation limit of panels in either direction. Full rotation is 2×maximum tracking angle. E.g., maximum tracking angle of 60 deg indicates full panel rotation range of 120 deg.
Resting Angle (deg)	Angle modules return to after maximum angle is reached.
Observation Point	A specific location, such as a control tower or vehicle, from which an observer might experience glare.
Ocular Transmission Coefficient	Related to the ability of the eye to transmit light, set by at 0.5 by ForgeSolar.
Offset angle of module (deg)	Additional tilt/elevation angle between the tracking axis and the panel.
Orientation of Tracking Axis (deg)	Azimuthal position of tracking axis measured clockwise from true north. Tracking systems in the northern hemisphere are typically oriented near 180 deg. Tracking systems in the southern hemisphere are typically oriented near 0 deg.
Peak DNI (W/m ²)**	This value is set at 1,000 by ForgeSolar and is the amount of solar radiation per unit surface area by a surface perpendicular to the sun's rays in a straight line from the direction of the sun at its current position in the sky.
Pupil Diameter (m)	Typical pupil diameter for observer, default is 0.002 m.
PV Array Axis Tracking	Panel tracking mode, if any. Panel can be set to track along one (single) or two (dual) axis tracking. This parameter affects the positioning of the panels at every time step when the sun is up.
PV Array Panel Material	Surface material of panels, including use of anti-reflective coating (ARC). Options include: smooth glass without ARC, smooth glass with ARC, light-textured glass without ARC, light-textured glass with ARC, and deeply textured glass.
Rated Power (kilowatts)	Power rating of the solar array - used to estimate the energy output per year of the array (optional).
Slope Error (mrad)	Accounts for beam scatter of sunlight on the array. Default is 8.43 mrads but the value may be adjusted based on the panel material type.
Subtended Angle of Sun (mrad)	The angle above horizontal at which the viewer observes the sun, default value is 9.3 mrad.
Threshold	The physical beginning of the runway. Aircraft are typically expected to be 50 feet above ground at this point.

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Time Interval (minutes)	Time step intervals used by the program for analyses. Default is set to analyze for glare at every one-minute interval throughout the year.
Time zone	Time zone difference from Greenwich Mean Time at the location of the analysis.
Tilt of Tracking Axis (deg)	The elevation angle of the tracking axis upon which panels rotate (e.g., torque tube), measured from flat ground. 0 deg implies the axis is on level, flat ground. Values between 0 and 30 deg are typical.
Vary Reflectivity	Varies panel reflectivity with sun position at each time step.
Maximum Downward Viewing Angle (deg)	The angle extending downward from the horizon indicating the maximum downward viewing angle from the cockpit. Used to determine whether glare is visible by the pilot along the flight path. Default is 30 degrees.

Sources:

Ho, Clifford, K., Cianan A. Sims, Julius E. Yellowhair. 2015. Solar Glare Hazard Analysis Tool (SGHAT) User's Manual v. 2H. Sandia National Laboratories.

ForgeSolar – PV Planning & Glare Analysis. <https://www.forgesolar.com/>

** <http://www.3tier.com/en/support/solar-prospecting-tools/what-direct-normal-irradiance-solar-prospecting/>

1.0 INTRODUCTION

On behalf of Telesto Energy Project, LLC, Stantec Consulting Services Inc. utilized the web based ForgeSolar glare hazard analysis program to complete a glare analysis for the Project to determine the potential effect of glint and/or glare (glare) from the photovoltaic (PV) solar panels on pilots and airport operations, residents in the area, and drivers in the Project Area. The Project is located approximately 1 mile west of the City of Elizabethtown in Hardin County, central Kentucky (**Figure 1**).

ForgeSolar is an interactive tool that provides a quantified assessment of (1) when and where glare will occur throughout the year for a prescribed solar project and (2) potential effects on the human eye at locations where glare occurs. Glare can occur from the reflection of sunlight on the PV solar panels of utility-scale solar-powered electric generating facilities. While PV solar panels absorb direct sunlight, some reflection can occur when the panels are directed close to horizontal, which predominately occurs during sunset and sunrise when the incidence angle of the panels is highest, as depicted in **Figure 2** below.

ForgeSolar employs an interactive Google map for site location, mapping the proposed PV array(s), and specifying observer locations, vehicular travel routes, and flight paths. Latitude, longitude, and elevation are automatically recorded through the Google interface, providing necessary information for sun position and vector calculations. Additional information regarding the orientation and tilt of the PV solar panels, reflectance, environment, and ocular factors are entered by the user.

If glare is found, ForgeSolar calculates the retinal irradiance and subtended angle (size/distance) of the glare source to predict potential ocular hazards ranging from temporary after-image to retinal burn. The results are presented in a plot that specifies when glare will occur throughout the year, with color codes indicating the potential ocular hazard.

This glare study analyzes potential glare for airline pilots landing at four airports and one helipad within 10-miles of the Project area (**Figure 3**). Glare analyses were also conducted for drivers of vehicles at 5-feet (ft) above ground level (AGL) for cars and small trucks and 9-ft AGL for semi-truck viewing heights on 18 roadways and one railroad with a 15-foot viewing height adjacent to the PV panels (**Figures 4 and 5; Table 1**). Roadways were analyzed for array glare within proximity to each panel block, and therefore not every roadway was analyzed for both panel blocks¹.

The analysis also included a determination of potential glare to viewers at approximately 125 unique structures, primarily residences, in the vicinity of the Project using a 25-ft AGL viewing height which is a conservative viewing height for one- and two-story structures (**Figures 4 and 5**). The analyses were separated into two blocks of arrays due to program limitations on the size of subarrays² and the analyses

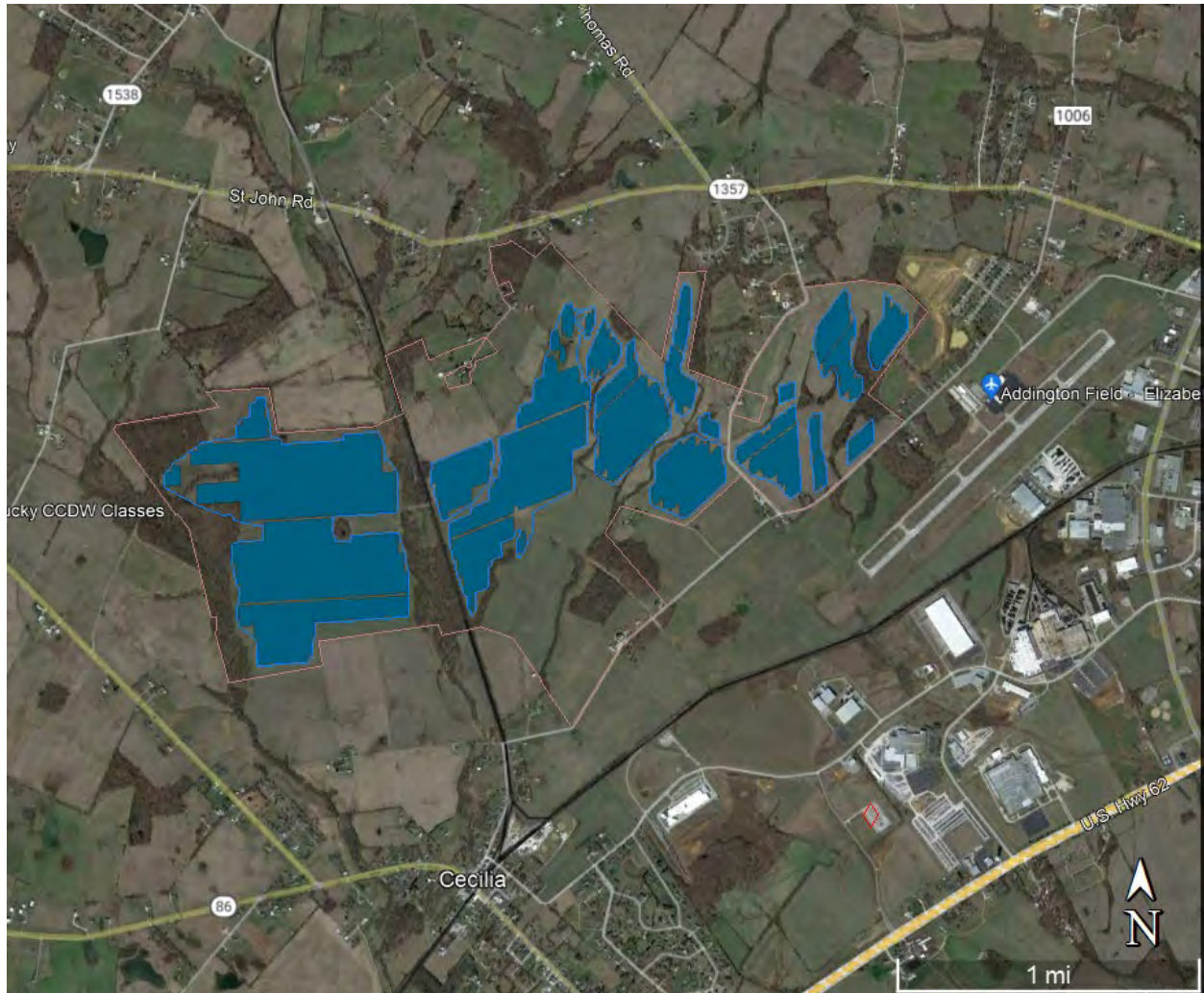
¹ Due to program limitations, only 20 subarrays can be included in a single analysis and therefore the entire array was divided into two blocks.

² Subarrays, as shown in Figures 4, 5, and 6, can be no larger than 25 acres in size to allow ForgeSolar to produce the most accurate results.

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conducted for each block considered the structures most likely to see glare from the array. Not all structures were analyzed for both panel blocks³. All airports, roadways, and structures were analyzed using 4-ft, 8-ft and 12-ft AGL panel heights. **Table 1** indicates which roadways were analyzed with each block. The arrays used in the analysis program were drawn to be conservative in the glare analysis by analyzing slightly more area than the panels will actually occupy.

Figure 1. Telesto Energy Project Location Map

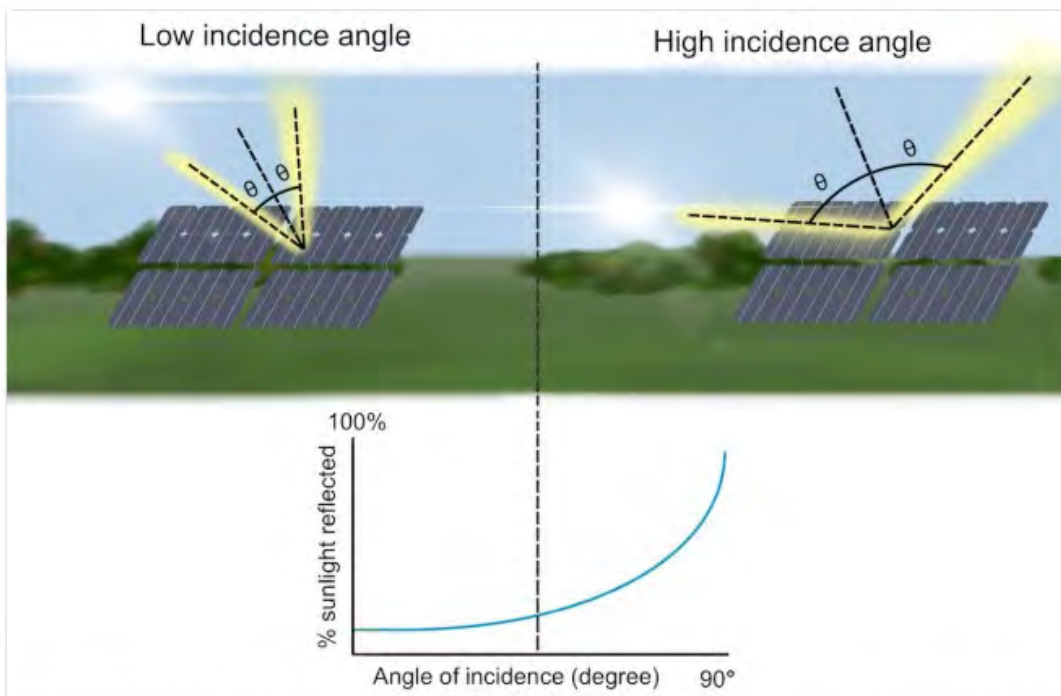


Source: Google Earth Imagery, December 2020

³ ForgeSolar only allows 40 Observation Points (e.g., structures) to be included in each analysis.

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Figure 2. Reflectivity Differences Between Low and High Incidence Angles



PV panel reflectance depends on incidence angle between panel normal (i.e. facing) and sun position. Large incidence angle yields more reflected sunlight.

Source: ForgeSolar 2022

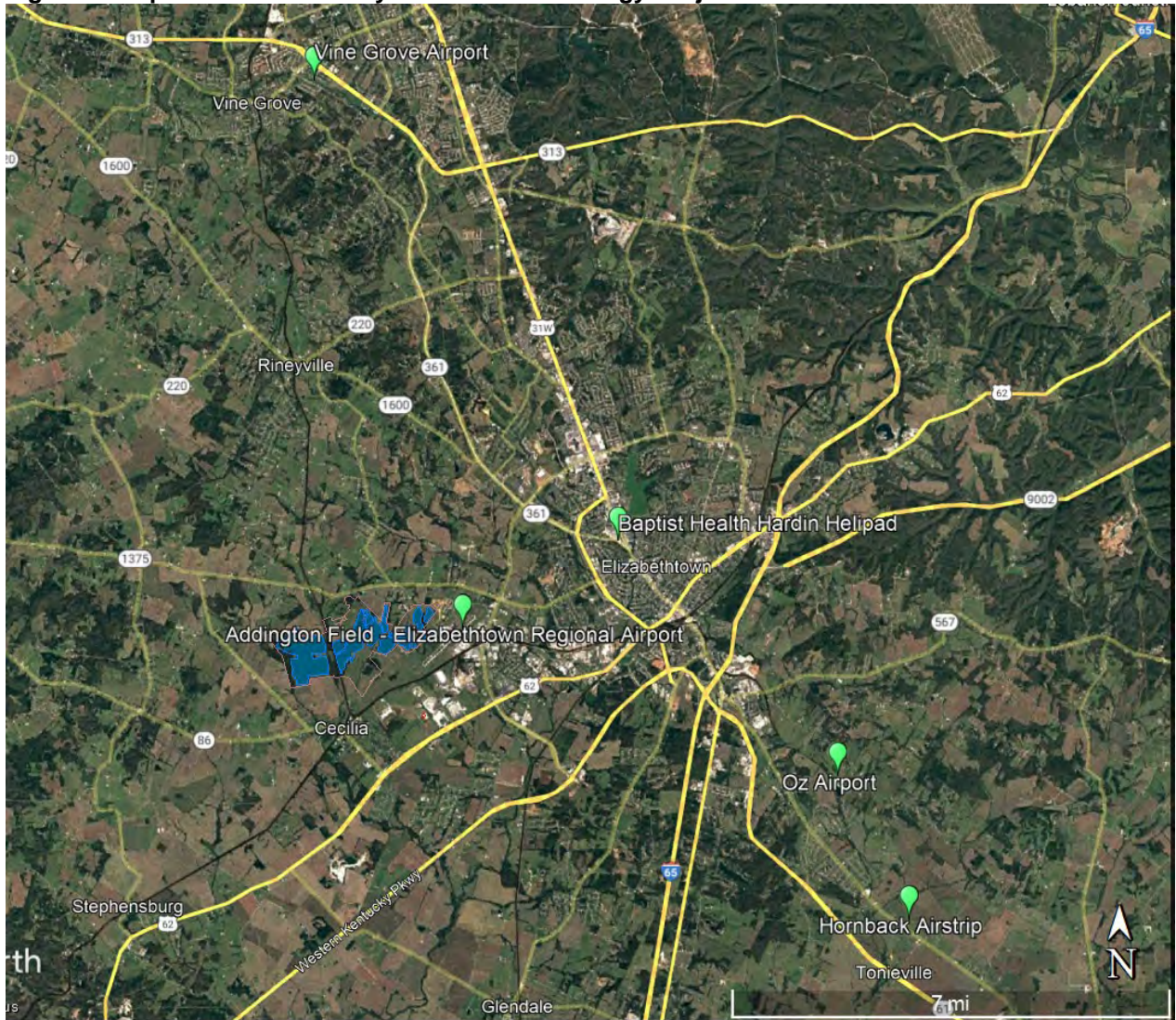
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Table 1: Roadways Included in ForgeSolar Analysis

Route Name	Blocks Including Route in Analysis
Cecelia Road	1,2
Hayden School Road	2
St John Road	1,2
Thomas Road/Braeburn Court	1
Damson Trail	1,2
West Anjou Court	1,2
Aiden Lane	1
Canton Road	1
Alcott Court/Arden Court	1
Highway 253	2
Hopewell Court/Redford Court	1
Goodman Lane	1,2
Kitty Hawk Drive	1
Thomas Cecilia Road	1,2
Railroad	2
Wimp Lane/Hayden School Road	2
Braeburn Court	2
College Lane	2
Crisp Road	2

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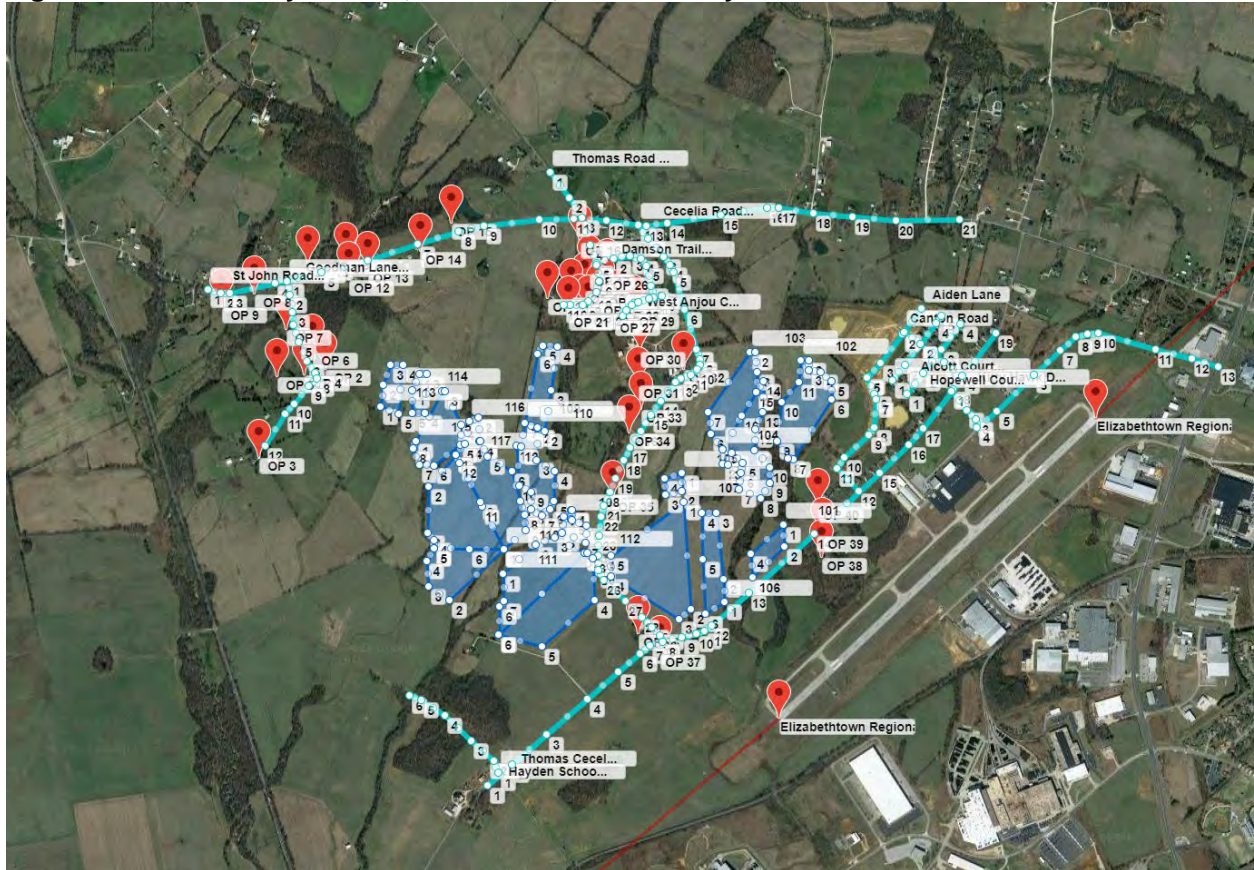
Figure 3. Airports Within Vicinity of the Telesto Energy Project



Source: Google Earth Imagery, December 2020

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Figure 4: Block 1 Analysis Area, Structures, and Roadways*



*Red markers indicate structures, turquoise lines indicate roads, and blue polygons indicate PV arrays. Source: ForgeSolar, Google Earth Imagery, December 2020

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Figure 5. Block 2 Analysis Area, Structures, and Roadways*



*Red markers indicate structures and blue polygons indicate PV arrays.
Source: ForgeSolar, Google Earth Imagery, December 2020.

2.0 DATA INPUT SUMMARY

The parameters used for the analyses are listed in **Table 2** below. “Default” indicates the default parameter value set by ForgeSolar and is considered the most conservative value for the parameter. “Chosen” parameters were selected to perform the most conservative analysis with respect to glare potential. “Provided” parameters are Project specific information provided by the client.

2.1 SOLAR ARRAY

The location of the solar array and array parameters used for the analyses are based on information provided by Telesto Energy Project, LLC. The analyses described below were conducted using 4-ft, 8-ft and 12-ft panel heights AGL. A detailed description of each parameter is provided in the Glossary.

Table 2: Solar Panel Parameters Used for Glare Analysis

Parameter	Value Used	Default, Chosen or Provided?
Axis tracking	Single	Provided
Tracking Axis Tilt (deg)	Varies	⁴ Calculated by ForgeSolar
Tracking Axis Orientation (deg)	180.0	Provided
Tracking Axis Panel Offset (deg)	0.0	Default
Maximum Tracking Angle (deg)	60.0	Provided
Resting Angle (deg)	60.0	Provided
Rated Power (kW)	Not Used	NA
Vary reflectivity?	Yes	Default
Panel material	Smooth glass with Anti-Reflective Coating	Provided
Time zone offset	-5	Based on site location
Subtended angle of sun (mrad)	9.3	Default
Peak DNI (W/m ²)	1,000	Default
Ocular transmission coefficient	0.5	Default
Pupil diameter (m)	0.002	Default
Eye focal length (m)	0.017	Default
Time interval (min)	1	Default
Correlate slope error with surface type?	Yes	Default
Slope error (mrad)	8.43	Default

⁴ Shade-Slope analysis method used

2.2 AIRPORT APPROACH PATHS AND AIR TRAFFIC CONTROL TOWER

Four airports and one helipad were included in the glare analyses for this Project: Vine Grove Airport, Addington Field – Elizabethtown Regional Airport, Oz Airport, Hornback Airstrip and the Baptist Health Hardin Helipad. Approach paths were analyzed for runways in all directions available to pilots at each of the airports. Since helicopters do not have a landing path, the helicopter was analyzed hovering 500-ft AGL over the helicopter landing pad [Observation Point (OP) 1 in the ForgeSolar reports in **Appendix A**]. None of the airports included in the analysis have control towers.

2.3 ROADWAYS AND PROPERTIES LOCATED ADJACENT TO THE SOLAR ARRAYS

This analysis included potential glare to vehicles travelling on 18 roads and one railroad in the vicinity of the Project area (**Table 1**). The ForgeSolar program sets the default viewing angle of the array at 50 degrees from the driver's direct line of sight when looking forward. The Federal Aviation Administration (FAA) has determined that glare beyond 50 degrees from the line of sight will have no impact on the viewer⁵.

Potential glare to drivers was evaluated for both passenger vehicles and semi-trucks, where the passenger vehicles were assumed to have a maximum viewing height of 5-ft AGL while the viewing height for drivers of semi-trucks was assumed to be a maximum of 9-ft AGL. The viewing height for trains was set at 15-ft AGL. The location of the roadway routes analyzed are shown as blue-green route lines on **Figures 4 and 5**.

The analyses for each of the two array blocks were run twice, once for 5-ft car heights and once for 9-ft truck heights, and a once each again for each of the three panel heights (4-ft, 8-ft, and 12-ft AGL).

Potential glare to viewers from approximately 125 unique structures in the vicinity of the Project was also analyzed at 25-ft AGL viewing heights.

⁵ Rogers, J. A., et al. (2015). Evaluation of Glare as a Hazard for General Aviation Pilots on Final Approach, Federal Aviation Administration ([link](#))

3.0 GLARE ANALYSES RESULTS

The web-based ForgeSolar program was used to analyze glare potential in one-minute increments throughout the year. The program identifies the three following types of glare (no color indicates no glare predicted):

- GREEN** - Low potential for temporary after-image.
- YELLOW** - Potential for temporary after-image.
- RED** - Potential for permanent eye damage.

3.1 AIRPORT APPROACH PATHS

Glare is not predicted for any of the four airports analyzed and their combined eight approach paths for the airports depicted in **Figure 3**, or for helicopters hovering 500 feet above the helipad depicted in **Figure 3**, at any time of the day, any time throughout the year, based on the input parameters described above. Results are shown for each of the approach paths and the helicopter simulation (OP1) in the ForgeSolar reports in **Appendix A**.

3.2 AIR TRAFFIC CONTROL TOWERS

None of the airports located within 10 miles of the Project include Air Traffic Control Towers (ATCT) and therefore impacts to ATCTs are not predicted.

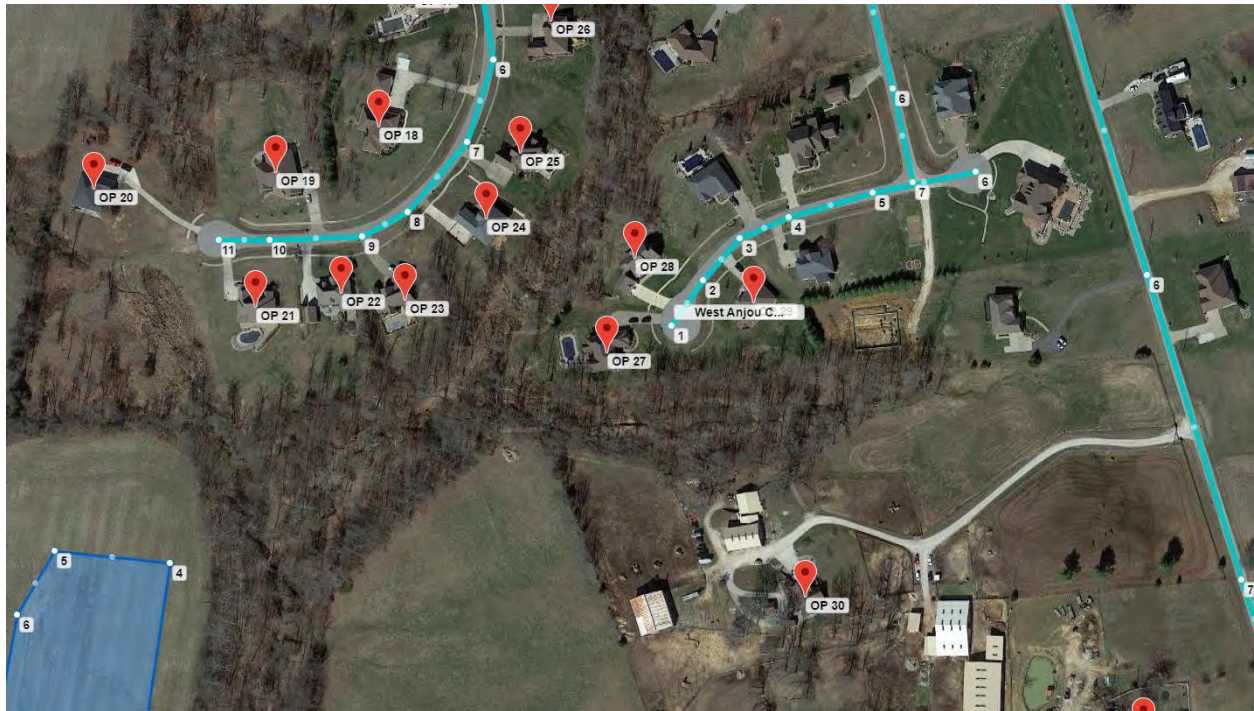
3.3 ROADWAYS AND PROPERTIES LOCATED ADJACENT TO THE SOLAR ARRAYS

Glare is not predicted for drivers along the 17 of the 18 roadways and the railroad analyzed (**Table 1**) that are adjacent to the Project area. The potential for glare for a range of driver conditions was evaluated for viewing heights of 5-ft for cars and small trucks and 9-ft for semi-trucks. Glare is also not predicted for approximately 125 unique structures analyzed at 25-ft viewing heights as shown in **Figures 4-5**.

Green glare is predicted for various times of the day throughout much of the year for the west end of West Anjou Court (**Figure 6**). Glare is predicted only for the far western tip of West Anjou Court, while there are four subarrays, 107-110, that are predicted to result in green glare along an approximately 100-ft stretch of this road (**Figure 6b**). Overall, a very minimal area is affected by green glare only. In addition, houses and trees may shield this section of road from much of the array, further limiting potential impacts. Overall, the green glare to this length of road should be considered negligible.

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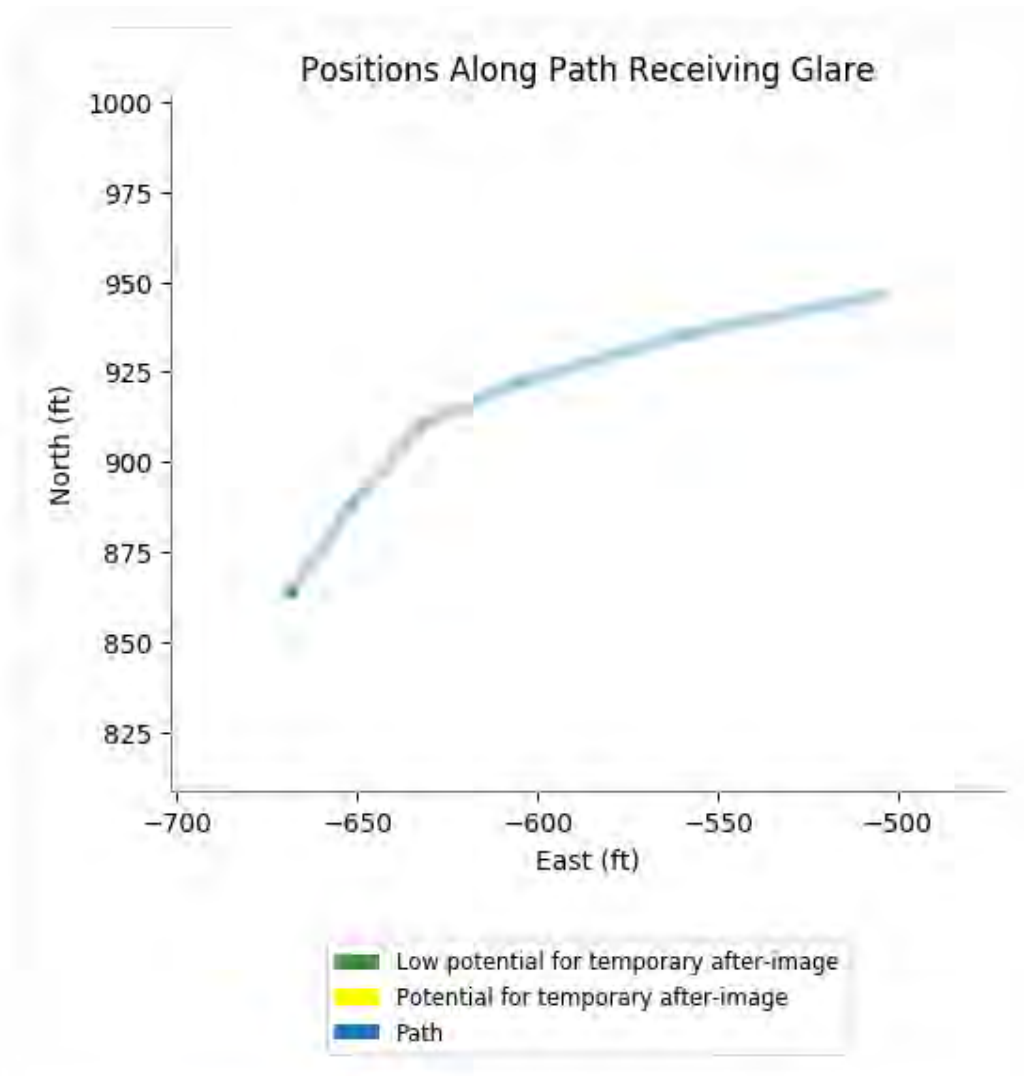
Figure 6: Closeup of West Anjou Court*



*Red markers indicate structures, turquoise lines indicate roads, and blue polygons indicate PV arrays. Source: ForgeSolar, Google Earth Imagery, December 2020

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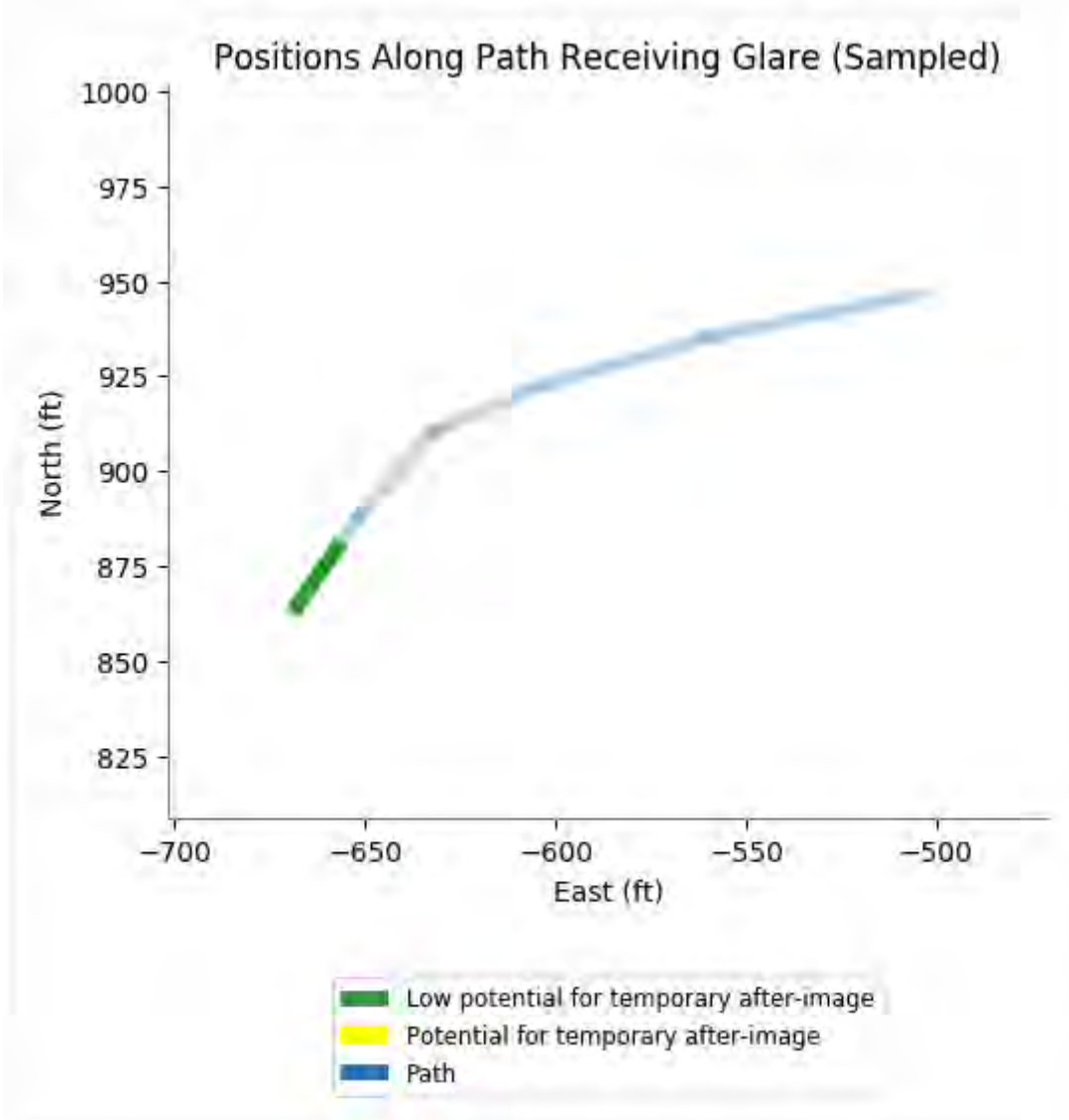
Figure 6a: Glare Predicted to West Anjou Court from Most Subarrays (green dot at tip of road)



Source: ForgeSolar

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Figure 6b: Glare Predicted to West Anjou Court from Subarrays 107-110 (green area at end of road)



Source: ForgeSolar

4.0 CONCLUSIONS

Based on the solar array parameters provided, glare is not predicted for planes landing in all available directions at each of the four airports analyzed, or for helicopters hovering above the single helipad, located within 10 miles of the Project area (**Figure 3**), including: Vine Grove Airport, Addington Field – Elizabethtown Regional Airport, Oz Airport, Hornback Airstrip, and Baptist Health Hardin Helipad, none of which include an ATCT. Glare is not predicted for drivers of vehicles on 17 of 18 roadways or the railroad adjacent to the Project area (**Table 1**), at viewing heights of 5-ft for cars and small trucks, 9-ft for semi-trucks, and 15-ft for trains. Glare is also not predicted for approximately 125 unique structures with 25-ft viewing heights (**Figures 4-5**). All receptors were analyzed using 4-ft, 8-ft and 12-ft AGL panel heights.

Glare is predicted for drivers of both cars and trucks in a small area at the western tip of West Anjou Court as discussed above. This area is predicted to experience only green glare at different times of day throughout much of the year. The glare analysis was completed using bare earth topography and therefore, the views from this segment of road are most likely blocked by houses and trees adjacent to the road and between the road and the subarrays. Overall, this glare is anticipated to have a negligible effect on viewers due to the limited area affected as well as the 'green' glare designation of low potential for temporary after-image.

APPENDIX A

ForgeSolar Reports



Telesto Solar

Block 1 4 ft pan 5 ft veh gp 1 houses

Created March 21, 2022
 Updated March 22, 2022
 Time-step 1 minute
 Timezone offset UTC-5
 Site ID 66461.11731

Project type Advanced
 Project status: active
 Category 100 to 500 kW

Misc. Analysis Settings

DNI: varies (1,000.0 W/m² peak)
 Ocular transmission coefficient: 0.5
 Pupil diameter: 0.002 m
 Eye focal length: 0.017 m
 Sun subtended angle: 9.3 mrad

Analysis Methodologies:

- Observation point: **Version 2**
- 2-Mile Flight Path: **Version 2**
- Route: **Version 2**

Summary of Results Glare with low potential for temporary after-image predicted

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced
	deg	deg	min	min	kWh
101	SA tracking	SA tracking	0	0	-
102	SA tracking	SA tracking	0	0	-
103	SA tracking	SA tracking	0	0	-
104	SA tracking	SA tracking	0	0	-
105	SA tracking	SA tracking	7,519	0	-
106	SA tracking	SA tracking	3,956	0	-
107	SA tracking	SA tracking	18,424	0	-
108	SA tracking	SA tracking	18,897	0	-
109	SA tracking	SA tracking	33,461	0	-
110	SA tracking	SA tracking	56,029	0	-
111	SA tracking	SA tracking	18,870	0	-
112	SA tracking	SA tracking	17,224	0	-
113	SA tracking	SA tracking	21,205	0	-
114	SA tracking	SA tracking	20,416	0	-
115	SA tracking	SA tracking	26,925	0	-
116	SA tracking	SA tracking	39,244	0	-
117	SA tracking	SA tracking	38,116	0	-
118	SA tracking	SA tracking	22,124	0	-

Component Data

PV Array(s)

Total PV footprint area: 176.7 acres

Name: 101
Footprint area: 3.4 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.687640	-85.932333	793.92	4.00	797.92
2	37.686804	-85.932269	773.47	4.00	777.47
3	37.685651	-85.933770	769.65	4.00	773.65
4	37.686528	-85.933861	777.64	4.00	781.64

Name: 102
Footprint area: 12.7 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.693775	-85.931505	802.78	4.00	806.78
2	37.693783	-85.931103	806.62	4.00	810.62
3	37.693393	-85.931103	805.37	4.00	809.37
4	37.693333	-85.930556	811.53	4.00	815.53
5	37.692989	-85.930041	811.25	4.00	815.25
6	37.692319	-85.930052	810.68	4.00	814.68
7	37.690084	-85.931859	804.90	4.00	808.90
8	37.690110	-85.932081	800.32	4.00	804.32
9	37.690737	-85.932608	797.62	4.00	801.62
10	37.692205	-85.932416	796.09	4.00	800.09
11	37.692964	-85.931601	805.77	4.00	809.77

Name: 103

Footprint area: 9.8 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.694067	-85.933919	808.24	4.00	812.24
2	37.694071	-85.933640	810.15	4.00	814.15
3	37.693328	-85.933544	800.70	4.00	804.70
4	37.692598	-85.933608	810.87	4.00	814.87
5	37.690446	-85.935180	799.11	4.00	803.11
6	37.691007	-85.935726	805.91	4.00	809.91
7	37.691840	-85.935853	808.86	4.00	812.87

Name: 104

Footprint area: 10.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.690444	-85.935182	799.14	4.00	803.14
2	37.689896	-85.935172	799.54	4.00	803.54
3	37.689877	-85.934922	795.55	4.00	799.55
4	37.690291	-85.934740	797.27	4.00	801.27
5	37.689934	-85.934249	795.31	4.00	799.31
6	37.689543	-85.934338	790.87	4.00	794.87
7	37.688953	-85.934434	789.93	4.00	793.93
8	37.688595	-85.933364	782.04	4.00	786.04
9	37.689189	-85.932975	788.12	4.00	792.12
10	37.689770	-85.932946	795.54	4.00	799.54
11	37.690403	-85.933675	798.81	4.00	802.81
12	37.691190	-85.933629	796.65	4.00	800.65
13	37.691841	-85.933297	798.82	4.00	802.82
14	37.692985	-85.933252	802.55	4.00	806.55
15	37.692594	-85.933611	810.96	4.00	814.97
16	37.691689	-85.934277	813.57	4.00	817.57

Name: 105

Footprint area: 1.3 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.689565	-85.937104	775.52	4.00	779.52
2	37.688869	-85.937122	769.20	4.00	773.20
3	37.688733	-85.937901	765.41	4.00	769.41
4	37.689363	-85.937926	772.87	4.00	776.87



Name: 106

Footprint area: 7.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.684724	-85.935089	757.03	4.00	761.03
2	37.685594	-85.935126	765.13	4.00	769.13
3	37.688074	-85.935469	786.59	4.00	790.59
4	37.688052	-85.936156	777.97	4.00	781.97
5	37.686346	-85.936113	774.41	4.00	778.41
6	37.684304	-85.936022	773.13	4.00	777.13



Name: 107

Footprint area: 23.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688468	-85.937052	768.87	4.00	772.87
2	37.684469	-85.936676	776.90	4.00	780.90
3	37.684087	-85.937266	764.74	4.00	768.74
4	37.685688	-85.940458	760.44	4.00	764.44
5	37.686465	-85.940480	757.44	4.00	761.45

Name: 108

Footprint area: 1.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.687923	-85.942682	746.01	4.00	750.02
2	37.687815	-85.942368	760.81	4.00	764.81
3	37.688176	-85.942371	750.83	4.00	754.83
4	37.688173	-85.942317	751.99	4.00	755.99
5	37.687796	-85.942314	762.20	4.00	766.21
6	37.687607	-85.941622	768.22	4.00	772.22
7	37.686947	-85.941647	748.74	4.00	752.74
8	37.687333	-85.942770	745.08	4.00	749.08

Name: 109

Footprint area: 8.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691419	-85.944527	768.69	4.00	772.69
2	37.691236	-85.943937	767.33	4.00	771.33
3	37.690031	-85.943980	757.24	4.00	761.24
4	37.689640	-85.943127	749.01	4.00	753.01
5	37.688515	-85.943159	749.94	4.00	753.94
6	37.688209	-85.943331	746.17	4.00	750.17
7	37.687972	-85.943744	744.48	4.00	748.48
8	37.688193	-85.944259	749.11	4.00	753.11
9	37.688846	-85.944254	754.05	4.00	758.05
10	37.689080	-85.944785	751.10	4.00	755.10
11	37.690574	-85.944940	762.10	4.00	766.10
12	37.690536	-85.944731	759.58	4.00	763.58

Name: 110

Footprint area: 6.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691245	-85.943948	767.33	4.00	771.33
2	37.691122	-85.943578	765.33	4.00	769.33
3	37.692637	-85.943296	766.81	4.00	770.81
4	37.694271	-85.942993	773.40	4.00	777.40
5	37.694331	-85.943701	783.11	4.00	787.11
6	37.694021	-85.943932	782.59	4.00	786.59
7	37.691419	-85.944527	768.69	4.00	772.69

Name: 111

Footprint area: 15.2 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

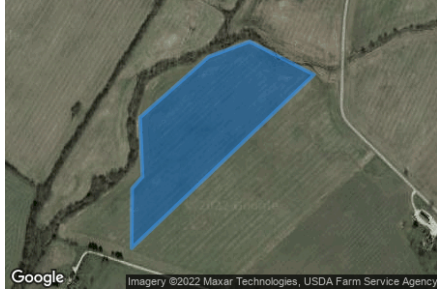
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685807	-85.945568	738.12	4.00	742.12
2	37.686872	-85.944044	742.46	4.00	746.46
3	37.687140	-85.943132	744.46	4.00	748.46
4	37.686558	-85.941706	749.30	4.00	753.30
5	37.683510	-85.945756	744.21	4.00	748.21
6	37.684559	-85.945745	737.82	4.00	741.82
7	37.684767	-85.945514	738.67	4.00	742.67

Name: 112

Footprint area: 16.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.686562	-85.941711	749.30	4.00	753.30
2	37.686571	-85.941561	748.53	4.00	752.53
3	37.686384	-85.941335	749.32	4.00	753.32
4	37.684805	-85.941233	758.23	4.00	762.23
5	37.683077	-85.943739	754.87	4.00	758.87
6	37.683510	-85.945782	744.22	4.00	748.22

Name: 113

Footprint area: 3.3 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692028	-85.951355	775.39	4.00	779.39
2	37.692890	-85.951242	786.66	4.00	790.66
3	37.693599	-85.950904	795.76	4.00	799.76
4	37.693590	-85.950277	795.30	4.00	799.30
5	37.691773	-85.950529	775.56	4.00	779.56

Name: 114

Footprint area: 2.0 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692661	-85.949874	773.91	4.00	777.91
2	37.693246	-85.949520	783.73	4.00	787.73
3	37.693255	-85.949177	784.03	4.00	788.03
4	37.691795	-85.949268	773.92	4.00	777.92
5	37.691816	-85.949874	767.55	4.00	771.55

Name: 115

Footprint area: 9.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.690733	-85.949692	764.64	4.00	768.64
2	37.692614	-85.948437	776.09	4.00	780.09
3	37.692627	-85.948308	776.60	4.00	780.60
4	37.691362	-85.947541	767.38	4.00	771.38
5	37.690627	-85.947578	762.77	4.00	766.77
6	37.689833	-85.948850	757.70	4.00	761.70
7	37.689876	-85.949515	757.21	4.00	761.21
8	37.690474	-85.949831	761.04	4.00	765.04

Name: 116

Footprint area: 16.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691485	-85.947160	769.39	4.00	773.39
2	37.691616	-85.946720	774.02	4.00	778.02
3	37.690738	-85.946688	764.60	4.00	768.60
4	37.690733	-85.946639	763.98	4.00	767.98
5	37.690186	-85.946307	759.56	4.00	763.56
6	37.689630	-85.945137	750.16	4.00	754.16
7	37.688517	-85.944778	752.98	4.00	756.98
8	37.688000	-85.944558	749.08	4.00	753.08
9	37.687409	-85.944504	742.72	4.00	746.72
10	37.686717	-85.945518	740.62	4.00	744.62
11	37.688315	-85.946556	759.35	4.00	763.35
12	37.689937	-85.947615	767.32	4.00	771.32
13	37.690233	-85.947783	763.44	4.00	767.44
14	37.690654	-85.947365	763.60	4.00	767.60

Name: 117

Footprint area: 18.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

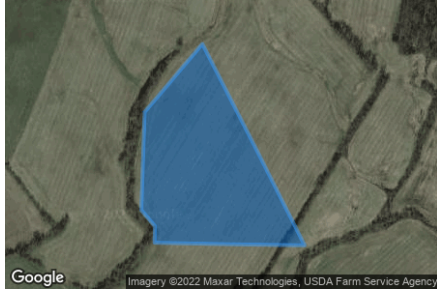
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.690238	-85.947789	763.20	4.00	767.20
2	37.689041	-85.949071	758.11	4.00	762.11
3	37.687321	-85.949146	749.45	4.00	753.45
4	37.687037	-85.948840	746.41	4.00	750.41
5	37.686748	-85.948851	746.50	4.00	750.50
6	37.686721	-85.947175	752.20	4.00	756.20
7	37.686701	-85.945520	740.01	4.00	744.01
8	37.688482	-85.946654	756.68	4.00	760.68

Name: 118

Footprint area: 10.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.686714	-85.945530	740.21	4.00	744.21
2	37.684791	-85.948095	745.54	4.00	749.54
3	37.685313	-85.949087	743.09	4.00	747.09
4	37.686260	-85.949167	746.31	4.00	750.31
5	37.686740	-85.948851	746.45	4.00	750.45

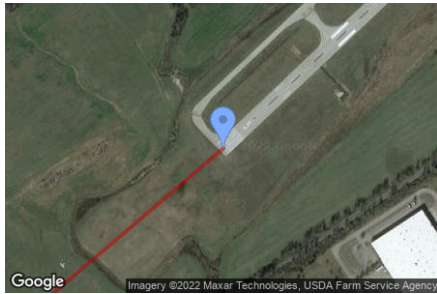
2-Mile Flight Path Receptor(s)

Name: Elizabethtown Regional Airport Runway 23
Description:
Threshold height : 50 ft
Direction: 225.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



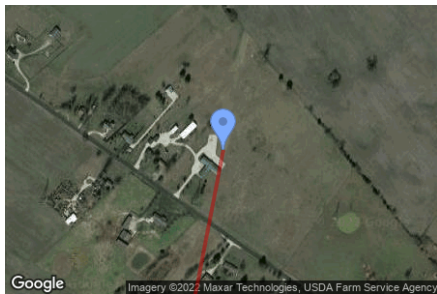
Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.691634	-85.917563	769.91	50.00	819.91
2-mile point	37.711924	-85.891503	745.53	627.83	1373.37

Name: Elizabethtown Regional Airport Runway 5
Description:
Threshold height : 50 ft
Direction: 49.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.680407	-85.932519	751.25	50.00	801.26
2-mile point	37.661653	-85.960355	690.06	664.65	1354.71

Name: Hornback Airstrip Northbound
Description:
Threshold height : 50 ft
Direction: 11.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.620818	-85.791738	782.24	50.00	832.24
2-mile point	37.592433	-85.798686	723.03	662.67	1385.70

Name: Hornback Airstrip Southbound
Description:
Threshold height : 50 ft
Direction: 194.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.625076	-85.790590	733.51	50.00	783.52
2-mile point	37.653055	-85.781377	827.86	509.11	1336.97

Name: Oz Airport NE Bound
Description:
Threshold height : 50 ft
Direction: 313.3 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.652149	-85.809356	834.93	50.00	884.94
2-mile point	37.632309	-85.782761	773.96	664.43	1438.39

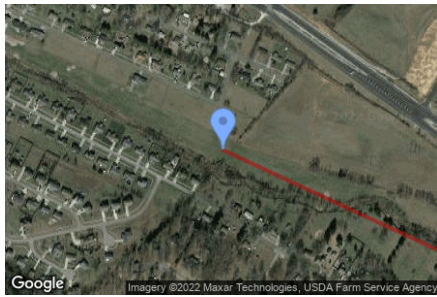
Name: Oz Airport SW Bound
Description:
Threshold height : 50 ft
Direction: 140.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.658203	-85.816375	817.66	50.00	867.66
2-mile point	37.680468	-85.839701	791.67	629.45	1421.12

Name: Vine Grove Airport NW Bound
Description:
Threshold height : 50 ft
Direction: 294.9 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.814237	-85.961318	684.17	50.00	734.17
2-mile point	37.802059	-85.928086	754.23	533.39	1287.62



Name: Vine Grove Airport SE Bound
Description:
Threshold height : 50 ft
Direction: 117.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.816483	-85.967294	676.33	50.00	726.33
2-mile point	37.829855	-85.999781	668.90	610.89	1279.79



Route Receptor(s)

Name: Aiden Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.695693	-85.925773	797.79	5.00	802.79
2	37.694767	-85.926696	806.53	5.00	811.53
3	37.693664	-85.927736	791.96	5.00	796.96
4	37.693163	-85.928305	792.44	5.00	797.44
5	37.693112	-85.928380	794.16	5.00	799.16
6	37.692526	-85.928026	791.22	5.00	796.22
7	37.692322	-85.927940	792.92	5.00	797.92
8	37.691244	-85.928015	789.79	5.00	794.79
9	37.690973	-85.928283	783.04	5.00	788.04
10	37.690124	-85.929442	783.68	5.00	788.68
11	37.689741	-85.929764	785.75	5.00	790.75
12	37.688875	-85.928755	775.45	5.00	780.45

Name: Alcott Court Arden Court
Route type: Two-way
View angle: 50.0 deg



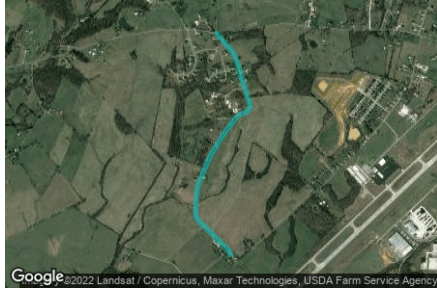
Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.693019	-85.927157	795.31	5.00	800.31
2	37.693613	-85.926556	799.43	5.00	804.43
3	37.694385	-85.925848	798.49	5.00	803.49
4	37.695158	-85.925108	789.46	5.00	794.46
5	37.695438	-85.924839	785.25	5.00	790.26

Name: Canton Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.694835	-85.926610	808.38	5.00	813.38
2	37.694385	-85.925827	798.12	5.00	803.12
3	37.693689	-85.924721	788.30	5.00	793.30
4	37.693197	-85.923852	775.38	5.00	780.38

Name: Cecelia Road
Route type: Two-way
View angle: 50.0 deg



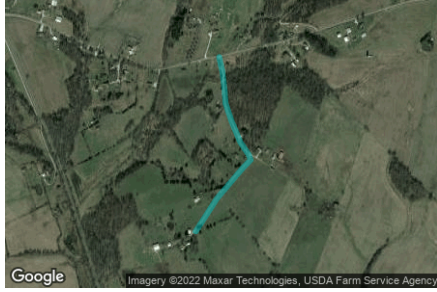
Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.698822	-85.939183	833.50	5.00	838.50
2	37.698321	-85.938711	826.58	5.00	831.58
3	37.697659	-85.937960	825.48	5.00	830.48
4	37.697332	-85.937670	823.31	5.00	828.31
5	37.697073	-85.937525	821.58	5.00	826.58
6	37.695668	-85.936994	817.19	5.00	822.19
7	37.694191	-85.936415	825.18	5.00	830.18
8	37.693809	-85.936259	826.50	5.00	831.50
9	37.693609	-85.936243	826.66	5.00	831.66
10	37.693427	-85.936383	824.24	5.00	829.25
11	37.693236	-85.936689	821.68	5.00	826.68
12	37.693087	-85.937171	823.65	5.00	828.65
13	37.692956	-85.937429	822.72	5.00	827.72
14	37.692259	-85.938121	819.44	5.00	824.44
15	37.691729	-85.938593	813.69	5.00	818.69
16	37.691139	-85.939060	804.52	5.00	809.52
17	37.690523	-85.939548	795.99	5.00	800.99
18	37.690035	-85.939880	791.73	5.00	796.73
19	37.689356	-85.940245	784.66	5.00	789.66
20	37.688842	-85.940497	785.64	5.00	790.64
21	37.688324	-85.940803	770.22	5.00	775.22
22	37.687921	-85.940937	763.11	5.00	768.11
23	37.687201	-85.941034	755.74	5.00	760.74
24	37.686473	-85.941077	751.76	5.00	756.76
25	37.685926	-85.941071	757.26	5.00	762.26
26	37.685565	-85.940792	761.30	5.00	766.30
27	37.684788	-85.939773	760.35	5.00	765.35
28	37.684177	-85.939017	767.15	5.00	772.15
29	37.683795	-85.938523	765.05	5.00	770.05
30	37.683480	-85.938132	759.66	5.00	764.67
31	37.683238	-85.938008	758.76	5.00	763.76

Name: Damson Trail
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.697399	-85.941169	814.31	5.00	819.31
2	37.697586	-85.940321	806.56	5.00	811.56
3	37.697688	-85.939581	816.05	5.00	821.05
4	37.697560	-85.939066	813.73	5.00	818.73
5	37.697314	-85.938787	811.13	5.00	816.13
6	37.696571	-85.938556	809.91	5.00	814.91
7	37.696117	-85.938433	810.90	5.00	815.90

Name: Goodman Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.696730	-85.955781	757.93	5.00	762.93
2	37.696212	-85.955641	749.09	5.00	754.10
3	37.695567	-85.955545	755.60	5.00	760.60
4	37.695100	-85.955502	764.15	5.00	769.15
5	37.694446	-85.955223	777.53	5.00	782.53
6	37.693733	-85.954848	801.08	5.00	806.08
7	37.693292	-85.954472	808.08	5.00	813.08
8	37.693105	-85.954386	805.20	5.00	810.20
9	37.692816	-85.954740	803.47	5.00	808.47
10	37.692146	-85.955459	802.39	5.00	807.39
11	37.691764	-85.955867	801.25	5.00	806.25
12	37.690592	-85.956822	785.72	5.00	790.72

Name: Hayden School Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.677893	-85.946307	754.79	5.00	759.79
2	37.678674	-85.945138	768.63	5.00	773.63
3	37.679795	-85.943507	753.42	5.00	758.42
4	37.681103	-85.941576	755.61	5.00	760.61
5	37.682113	-85.940116	776.74	5.00	781.74
6	37.682793	-85.939087	763.42	5.00	768.42
7	37.683098	-85.938604	765.04	5.00	770.05
8	37.683260	-85.938014	758.32	5.00	763.32
9	37.683429	-85.937112	758.77	5.00	763.77
10	37.683540	-85.936447	765.86	5.00	770.86
11	37.683650	-85.936050	768.95	5.00	773.95
12	37.683854	-85.935696	767.94	5.00	772.94
13	37.685077	-85.933926	756.15	5.00	761.15
14	37.687286	-85.930871	776.58	5.00	781.58
15	37.689564	-85.927752	768.00	5.00	773.00
16	37.690619	-85.926370	778.56	5.00	783.56
17	37.691214	-85.925703	787.76	5.00	792.76
18	37.692691	-85.924285	778.43	5.00	783.43
19	37.694798	-85.922264	770.80	5.00	775.80

Name: Hopewell Court Radford Court
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692501	-85.926481	791.65	5.00	796.65
2	37.693307	-85.925698	785.59	5.00	790.59
3	37.694165	-85.924861	791.70	5.00	796.70
4	37.695124	-85.923928	778.87	5.00	783.87

Name: Kitty Hawk Drive
Route type Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692618	-85.924376	779.14	5.00	784.15
2	37.691904	-85.923625	770.82	5.00	775.82
3	37.691565	-85.923196	772.85	5.00	777.85
4	37.691242	-85.923174	777.94	5.00	782.94
5	37.691853	-85.922230	773.71	5.00	778.72
6	37.693229	-85.920449	765.64	5.00	770.64
7	37.694146	-85.919205	759.18	5.00	764.18
8	37.694638	-85.918475	756.37	5.00	761.37
9	37.694757	-85.917917	754.37	5.00	759.37
10	37.694774	-85.917424	752.06	5.00	757.06
11	37.694180	-85.914699	737.10	5.00	742.10
12	37.693840	-85.913003	731.15	5.00	736.15
13	37.693534	-85.911759	727.17	5.00	732.17

Name: St John Road
Route type Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.696404	-85.959508	769.81	5.00	774.81
2	37.696285	-85.958907	757.90	5.00	762.90
3	37.696277	-85.958489	752.63	5.00	757.63
4	37.696642	-85.956365	759.00	5.00	764.00
5	37.697058	-85.954165	755.86	5.00	760.86
6	37.697508	-85.951987	773.93	5.00	778.93
7	37.698110	-85.949616	797.45	5.00	802.45
8	37.698590	-85.947670	810.71	5.00	815.71
9	37.698780	-85.946453	811.00	5.00	816.00
10	37.699026	-85.943847	819.36	5.00	824.36
11	37.699059	-85.942240	806.46	5.00	811.46
12	37.699006	-85.940679	821.09	5.00	826.09
13	37.698811	-85.938806	835.72	5.00	840.72
14	37.698905	-85.937792	815.95	5.00	820.95
15	37.699212	-85.935291	794.15	5.00	799.15
16	37.699486	-85.933100	771.48	5.00	776.48
17	37.699473	-85.932537	762.72	5.00	767.72
18	37.699261	-85.930876	777.94	5.00	782.94
19	37.699143	-85.929054	801.28	5.00	806.28
20	37.698991	-85.927000	778.10	5.00	783.10
21	37.699044	-85.923985	766.70	5.00	771.70

Name: Thomas Cecelia road
Route type Two-way
View angle: 50.0 deg

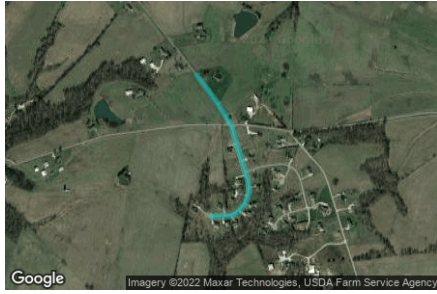


Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.678353	-85.945791	760.40	5.00	765.40
2	37.678778	-85.946005	760.49	5.00	765.49
3	37.679542	-85.947057	757.98	5.00	762.98
4	37.680476	-85.948323	754.72	5.00	759.72
5	37.681071	-85.949439	726.64	5.00	731.64
6	37.681240	-85.949996	727.39	5.00	732.39

Name: Thomas Road Braeburn Court

Route type: Two-way

View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.700803	-85.943336	834.13	5.00	839.13
2	37.699844	-85.942435	815.90	5.00	820.90
3	37.699097	-85.941845	810.08	5.00	815.08
4	37.698095	-85.941448	811.46	5.00	816.46
5	37.697323	-85.941147	815.09	5.00	820.09
6	37.696712	-85.941008	808.99	5.00	813.99
7	37.696313	-85.941169	799.74	5.00	804.74
8	37.695973	-85.941534	801.30	5.00	806.30
9	37.695854	-85.941812	800.69	5.00	805.69
10	37.695837	-85.942381	791.56	5.00	796.56
11	37.695837	-85.942692	786.56	5.00	791.56

Name: West Anjou Court

Route type: Two-way

View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.695421	-85.939913	5803.51	5.00	5808.51
2	37.695642	-85.939720	802.24	5.00	807.24
3	37.695846	-85.939495	806.96	5.00	811.96
4	37.695947	-85.939195	811.99	5.00	816.99
5	37.696066	-85.938680	811.22	5.00	816.22
6	37.696168	-85.938047	809.11	5.00	814.11

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	ft	ft	ft
OP 1	37.709227	-85.876066	769.34	500.02	1269.37
OP 2	37.693446	-85.953982	809.85	25.00	834.85
OP 3	37.690141	-85.957118	786.25	25.00	811.25
OP 4	37.693218	-85.954956	809.81	25.00	834.81
OP 5	37.693151	-85.956246	807.82	25.00	832.82
OP 6	37.694063	-85.954586	792.91	25.00	817.91
OP 7	37.694938	-85.955817	766.76	25.00	791.76
OP 8	37.696243	-85.957324	757.18	25.00	782.18
OP 9	37.695761	-85.958859	757.51	25.00	782.51
OP 10	37.697359	-85.954787	779.91	25.00	804.91
OP 11	37.697499	-85.953001	767.48	25.00	792.49
OP 12	37.696799	-85.952869	770.07	25.00	795.07
OP 13	37.697155	-85.951949	789.48	25.00	814.48
OP 14	37.697837	-85.949498	801.66	25.00	826.67
OP 15	37.698891	-85.948017	812.18	25.00	837.18
OP 16	37.698180	-85.941942	808.86	25.00	833.86
OP 17	37.697039	-85.941491	816.86	25.00	841.86
OP 18	37.696385	-85.941711	814.24	25.00	839.24
OP 19	37.696164	-85.942344	797.63	25.00	822.63
OP 20	37.696084	-85.943460	789.16	25.00	814.17
OP 21	37.695511	-85.942468	788.31	25.00	813.31
OP 22	37.695579	-85.941942	801.38	25.00	826.38
OP 23	37.695545	-85.941550	797.68	25.00	822.68
OP 24	37.695939	-85.941051	795.23	25.00	820.23
OP 25	37.696258	-85.940842	797.65	25.00	822.65
OP 26	37.696899	-85.940654	810.47	25.00	835.47
OP 27	37.695290	-85.940311	794.93	25.00	819.93
OP 28	37.695748	-85.940139	793.23	25.00	818.23
OP 29	37.695532	-85.939410	807.42	25.00	832.42
OP 30	37.694106	-85.939093	818.76	25.00	843.76
OP 31	37.692845	-85.939168	801.99	25.00	826.99
OP 32	37.693439	-85.937017	836.81	25.00	861.81
OP 33	37.691932	-85.939045	812.82	25.00	837.82
OP 34	37.691054	-85.939614	797.48	25.00	822.48
OP 35	37.688608	-85.940359	784.89	25.00	809.89
OP 36	37.683565	-85.939179	775.00	25.00	800.00
OP 37	37.682792	-85.938160	767.58	25.00	792.58
OP 38	37.686405	-85.930510	786.16	25.00	811.16
OP 39	37.687221	-85.930485	778.26	25.00	803.26
OP 40	37.688291	-85.930662	780.51	25.00	805.52

Summary of PV Glare Analysis

PV configuration and total predicted glare

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced	Data File
	deg	deg	min	min	kWh	
101	SA tracking	SA tracking	0	0	-	
102	SA tracking	SA tracking	0	0	-	
103	SA tracking	SA tracking	0	0	-	
104	SA tracking	SA tracking	0	0	-	
105	SA tracking	SA tracking	7,519	0	-	
106	SA tracking	SA tracking	3,956	0	-	
107	SA tracking	SA tracking	18,424	0	-	
108	SA tracking	SA tracking	18,897	0	-	
109	SA tracking	SA tracking	33,461	0	-	
110	SA tracking	SA tracking	56,029	0	-	
111	SA tracking	SA tracking	18,870	0	-	
112	SA tracking	SA tracking	17,224	0	-	
113	SA tracking	SA tracking	21,205	0	-	
114	SA tracking	SA tracking	20,416	0	-	
115	SA tracking	SA tracking	26,925	0	-	
116	SA tracking	SA tracking	39,244	0	-	
117	SA tracking	SA tracking	38,116	0	-	
118	SA tracking	SA tracking	22,124	0	-	

Distinct glare per month

Excludes overlapping glare from PV array for multiple receptors at matching time(s)

PV	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
105 (green)	1110	889	825	531	0	0	0	287	744	931	1044	1158
105 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
106 (green)	774	617	309	0	0	0	0	0	127	601	727	801
106 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
107 (green)	2900	2309	2100	862	0	0	0	303	1827	2408	2721	2994
107 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
108 (green)	1877	1616	1678	1477	1336	1146	1287	1447	1584	1749	1800	1900
108 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
109 (green)	5846	3042	2842	2049	602	0	154	1659	2551	3199	4705	6812
109 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
110 (green)	6353	7110	6380	3802	1894	615	1340	3071	5311	7789	6540	5824
110 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
111 (green)	2906	2331	2186	968	0	0	0	321	1982	2431	2732	3013
111 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
112 (green)	2710	2223	2131	583	0	0	0	138	1735	2356	2562	2786
112 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
113 (green)	0	595	3908	3120	2169	1144	1655	2930	3781	1903	0	0
113 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
114 (green)	0	924	3780	2694	2029	1097	1577	2632	3267	2416	0	0
114 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
115 (green)	1060	4206	4138	2736	1300	20	615	2418	3284	5009	2139	0
115 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
116 (green)	6949	5347	3691	1371	0	0	0	593	2913	4856	6958	6566
116 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
117 (green)	4906	4704	2900	2947	1558	658	1098	2573	3077	4122	5001	4572
117 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
118 (green)	4352	2116	2047	495	0	0	0	0	1763	2243	3193	5915
118 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0

PV & Receptor Analysis Results

Results for each PV array and receptor

101 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

102 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

103 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

104 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

105 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0

OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	7519	0

105 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

105 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

105 - Receptor (Hornback Airstrip Northbound)

No glare found

105 - Receptor (Hornback Airstrip Southbound)

No glare found

105 - Receptor (Oz Airport NE Bound)

No glare found

105 - Receptor (Oz Airport SW Bound)

No glare found

105 - Receptor (Vine Grove Airport NW Bound)

No glare found

105 - Receptor (Vine Grove Airport SE Bound)

No glare found

105 - OP Receptor (OP 1)

No glare found

105 - OP Receptor (OP 2)

No glare found

105 - OP Receptor (OP 3)

No glare found

105 - OP Receptor (OP 4)

No glare found

105 - OP Receptor (OP 5)

No glare found

105 - OP Receptor (OP 6)

No glare found

105 - OP Receptor (OP 7)

No glare found

105 - OP Receptor (OP 8)

No glare found

105 - OP Receptor (OP 9)

No glare found

105 - OP Receptor (OP 10)

No glare found

105 - OP Receptor (OP 11)

No glare found

105 - OP Receptor (OP 12)

No glare found

105 - OP Receptor (OP 13)

No glare found

105 - OP Receptor (OP 14)

No glare found

105 - OP Receptor (OP 15)

No glare found

105 - OP Receptor (OP 16)

No glare found

105 - OP Receptor (OP 17)

No glare found

105 - OP Receptor (OP 18)

No glare found

105 - OP Receptor (OP 19)

No glare found

105 - OP Receptor (OP 20)

No glare found

105 - OP Receptor (OP 21)

No glare found

105 - OP Receptor (OP 22)

No glare found

105 - OP Receptor (OP 23)

No glare found

105 - OP Receptor (OP 24)

No glare found

105 - OP Receptor (OP 25)

No glare found

105 - OP Receptor (OP 26)

No glare found

105 - OP Receptor (OP 27)

No glare found

105 - OP Receptor (OP 28)

No glare found

105 - OP Receptor (OP 29)

No glare found

105 - OP Receptor (OP 30)

No glare found

105 - OP Receptor (OP 31)

No glare found

105 - OP Receptor (OP 32)

No glare found

105 - OP Receptor (OP 33)

No glare found

105 - OP Receptor (OP 34)

No glare found

105 - OP Receptor (OP 35)

No glare found

105 - OP Receptor (OP 36)

No glare found

105 - OP Receptor (OP 37)

No glare found

105 - OP Receptor (OP 38)

No glare found

105 - OP Receptor (OP 39)

No glare found

105 - OP Receptor (OP 40)

No glare found

105 - Route Receptor (Aiden Lane)

No glare found

105 - Route Receptor (Alcott Court Arden Court)

No glare found

105 - Route Receptor (Canton Road)

No glare found

105 - Route Receptor (Cecelia Road)

No glare found

105 - Route Receptor (Damson Trail)

No glare found

105 - Route Receptor (Goodman Lane)

No glare found

105 - Route Receptor (Hayden School Road)

No glare found

105 - Route Receptor (Hopewell Court Radford Court)

No glare found

105 - Route Receptor (Kitty Hawk Drive)

No glare found

105 - Route Receptor (St John Road)

No glare found

105 - Route Receptor (Thomas Cecelia road)

No glare found

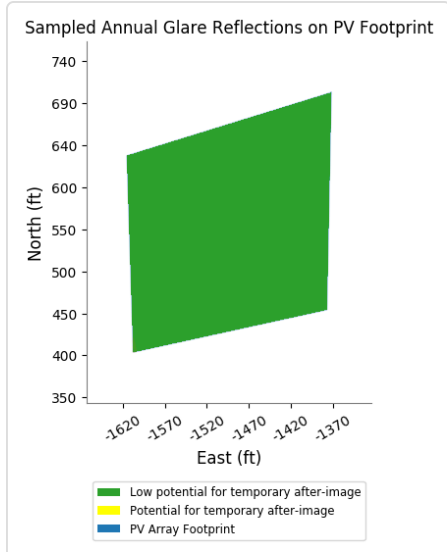
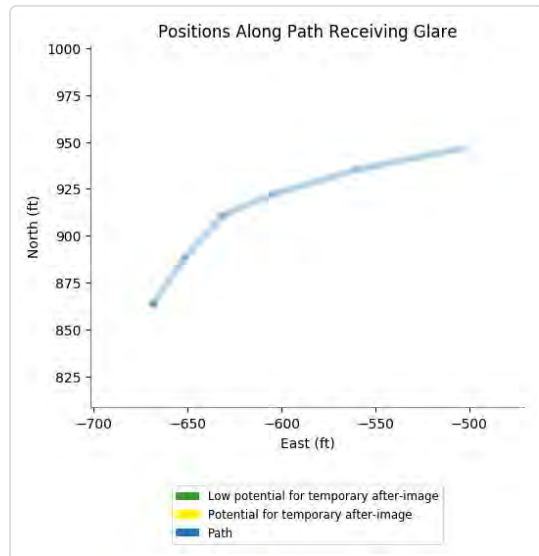
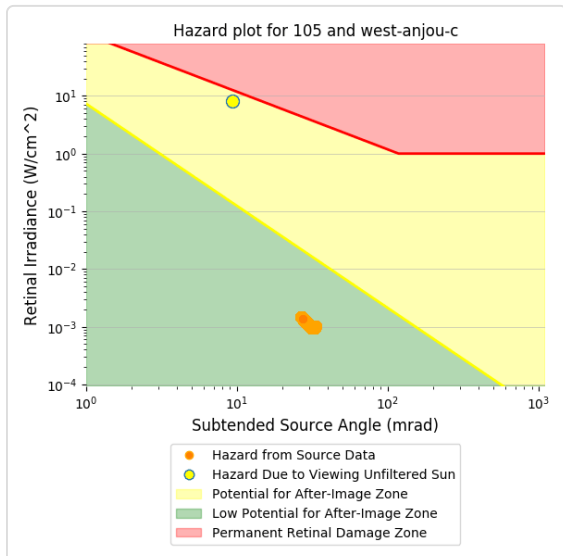
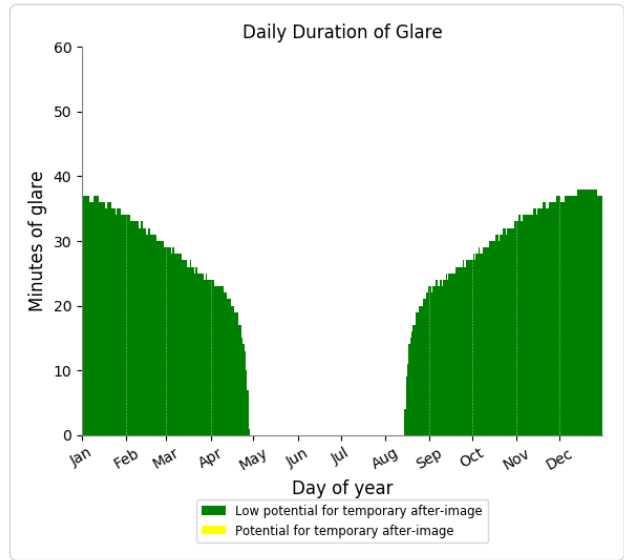
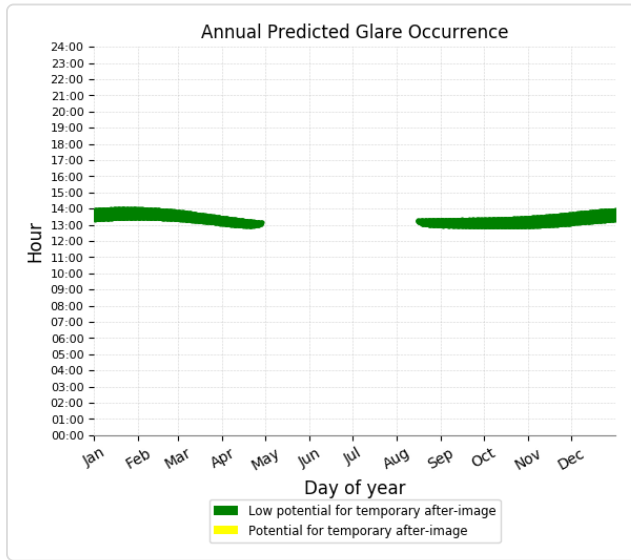
105 - Route Receptor (Thomas Road Braeburn Court)

No glare found

105 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 7,519 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	3956	0

106 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

106 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

106 - Receptor (Hornback Airstrip Northbound)

No glare found

106 - Receptor (Hornback Airstrip Southbound)

No glare found

106 - Receptor (Oz Airport NE Bound)

No glare found

106 - Receptor (Oz Airport SW Bound)

No glare found

106 - Receptor (Vine Grove Airport NW Bound)

No glare found

106 - Receptor (Vine Grove Airport SE Bound)

No glare found

106 - OP Receptor (OP 1)

No glare found

106 - OP Receptor (OP 2)

No glare found

106 - OP Receptor (OP 3)

No glare found

106 - OP Receptor (OP 4)

No glare found

106 - OP Receptor (OP 5)

No glare found

106 - OP Receptor (OP 6)

No glare found

106 - OP Receptor (OP 7)

No glare found

106 - OP Receptor (OP 8)

No glare found

106 - OP Receptor (OP 9)

No glare found

106 - OP Receptor (OP 10)

No glare found

106 - OP Receptor (OP 11)

No glare found

106 - OP Receptor (OP 12)

No glare found

106 - OP Receptor (OP 13)

No glare found

106 - OP Receptor (OP 14)

No glare found

106 - OP Receptor (OP 15)

No glare found

106 - OP Receptor (OP 16)

No glare found

106 - OP Receptor (OP 17)

No glare found

106 - OP Receptor (OP 18)

No glare found

106 - OP Receptor (OP 19)

No glare found

106 - OP Receptor (OP 20)

No glare found

106 - OP Receptor (OP 21)

No glare found

106 - OP Receptor (OP 22)

No glare found

106 - OP Receptor (OP 23)

No glare found

106 - OP Receptor (OP 24)

No glare found

106 - OP Receptor (OP 25)

No glare found

106 - OP Receptor (OP 26)

No glare found

106 - OP Receptor (OP 27)

No glare found

106 - OP Receptor (OP 28)

No glare found

106 - OP Receptor (OP 29)

No glare found

106 - OP Receptor (OP 30)

No glare found

106 - OP Receptor (OP 31)

No glare found

106 - OP Receptor (OP 32)

No glare found

106 - OP Receptor (OP 33)

No glare found

106 - OP Receptor (OP 34)

No glare found

106 - OP Receptor (OP 35)

No glare found

106 - OP Receptor (OP 36)

No glare found

106 - OP Receptor (OP 37)

No glare found

106 - OP Receptor (OP 38)

No glare found

106 - OP Receptor (OP 39)

No glare found

106 - OP Receptor (OP 40)

No glare found

106 - Route Receptor (Aiden Lane)

No glare found

106 - Route Receptor (Alcott Court Arden Court)

No glare found

106 - Route Receptor (Canton Road)

No glare found

106 - Route Receptor (Cecelia Road)

No glare found

106 - Route Receptor (Damson Trail)

No glare found

106 - Route Receptor (Goodman Lane)

No glare found

106 - Route Receptor (Hayden School Road)

No glare found

106 - Route Receptor (Hopewell Court Radford Court)

No glare found

106 - Route Receptor (Kitty Hawk Drive)

No glare found

106 - Route Receptor (St John Road)

No glare found

106 - Route Receptor (Thomas Cecelia road)

No glare found

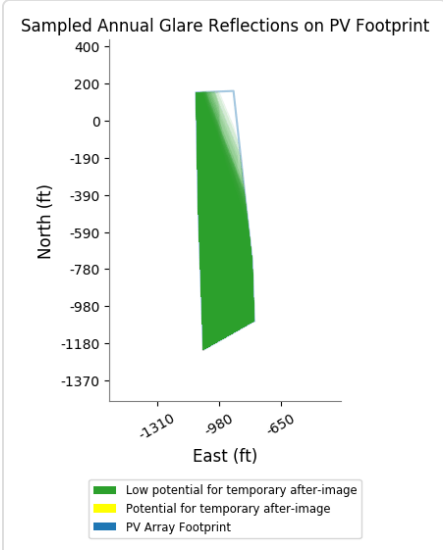
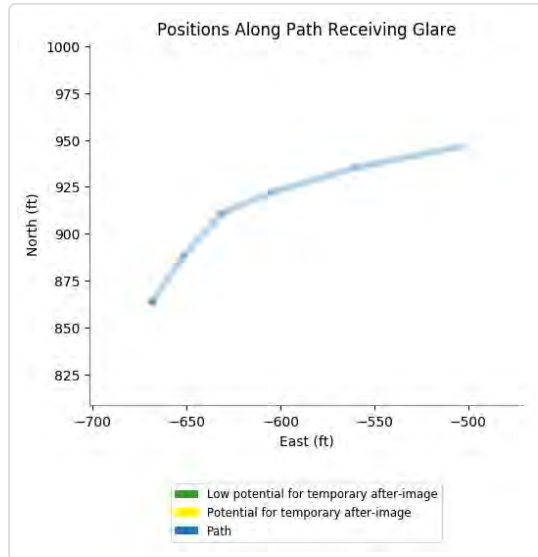
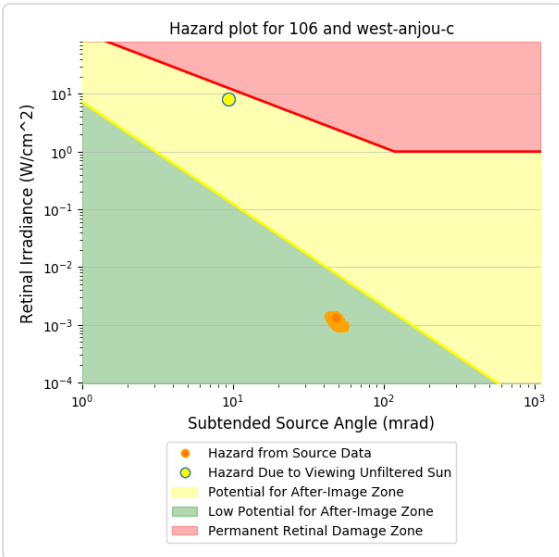
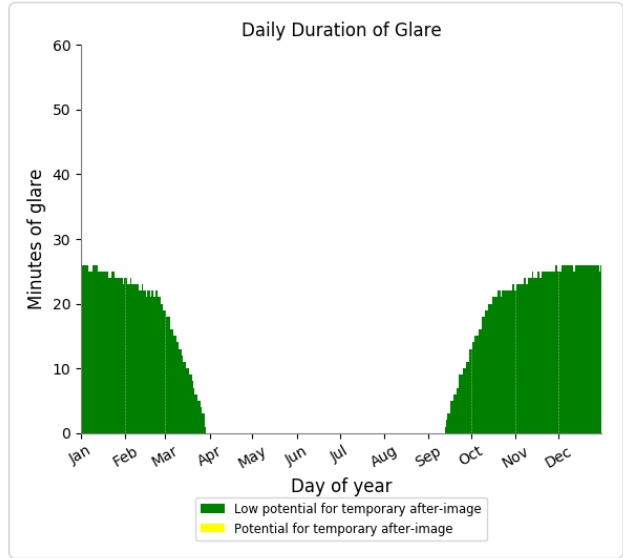
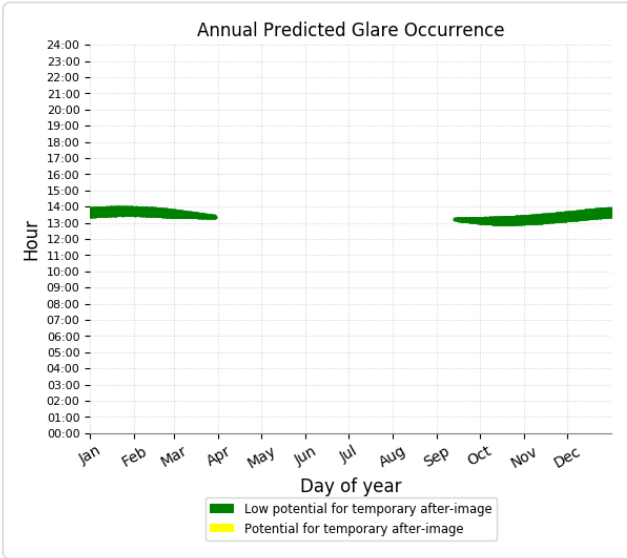
106 - Route Receptor (Thomas Road Braeburn Court)

No glare found

106 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 3,956 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	18424	0

107 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

107 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

107 - Receptor (Hornback Airstrip Northbound)

No glare found

107 - Receptor (Hornback Airstrip Southbound)

No glare found

107 - Receptor (Oz Airport NE Bound)

No glare found

107 - Receptor (Oz Airport SW Bound)

No glare found

107 - Receptor (Vine Grove Airport NW Bound)

No glare found

107 - Receptor (Vine Grove Airport SE Bound)

No glare found

107 - OP Receptor (OP 1)

No glare found

107 - OP Receptor (OP 2)

No glare found

107 - OP Receptor (OP 3)

No glare found

107 - OP Receptor (OP 4)

No glare found

107 - OP Receptor (OP 5)

No glare found

107 - OP Receptor (OP 6)

No glare found

107 - OP Receptor (OP 7)

No glare found

107 - OP Receptor (OP 8)

No glare found

107 - OP Receptor (OP 9)

No glare found

107 - OP Receptor (OP 10)

No glare found

107 - OP Receptor (OP 11)

No glare found

107 - OP Receptor (OP 12)

No glare found

107 - OP Receptor (OP 13)

No glare found

107 - OP Receptor (OP 14)

No glare found

107 - OP Receptor (OP 15)

No glare found

107 - OP Receptor (OP 16)

No glare found

107 - OP Receptor (OP 17)

No glare found

107 - OP Receptor (OP 18)

No glare found

107 - OP Receptor (OP 19)

No glare found

107 - OP Receptor (OP 20)

No glare found

107 - OP Receptor (OP 21)

No glare found

107 - OP Receptor (OP 22)

No glare found

107 - OP Receptor (OP 23)

No glare found

107 - OP Receptor (OP 24)

No glare found

107 - OP Receptor (OP 25)

No glare found

107 - OP Receptor (OP 26)

No glare found

107 - OP Receptor (OP 27)

No glare found

107 - OP Receptor (OP 28)

No glare found

107 - OP Receptor (OP 29)

No glare found

107 - OP Receptor (OP 30)

No glare found

107 - OP Receptor (OP 31)

No glare found

107 - OP Receptor (OP 32)

No glare found

107 - OP Receptor (OP 33)

No glare found

107 - OP Receptor (OP 34)

No glare found

107 - OP Receptor (OP 35)

No glare found

107 - OP Receptor (OP 36)

No glare found

107 - OP Receptor (OP 37)

No glare found

107 - OP Receptor (OP 38)

No glare found

107 - OP Receptor (OP 39)

No glare found

107 - OP Receptor (OP 40)

No glare found

107 - Route Receptor (Aiden Lane)

No glare found

107 - Route Receptor (Alcott Court Arden Court)

No glare found

107 - Route Receptor (Canton Road)

No glare found

107 - Route Receptor (Cecelia Road)

No glare found

107 - Route Receptor (Damson Trail)

No glare found

107 - Route Receptor (Goodman Lane)

No glare found

107 - Route Receptor (Hayden School Road)

No glare found

107 - Route Receptor (Hopewell Court Radford Court)

No glare found

107 - Route Receptor (Kitty Hawk Drive)

No glare found

107 - Route Receptor (St John Road)

No glare found

107 - Route Receptor (Thomas Cecelia road)

No glare found

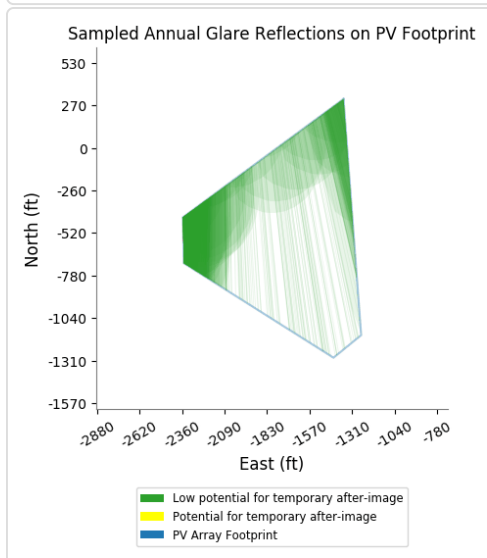
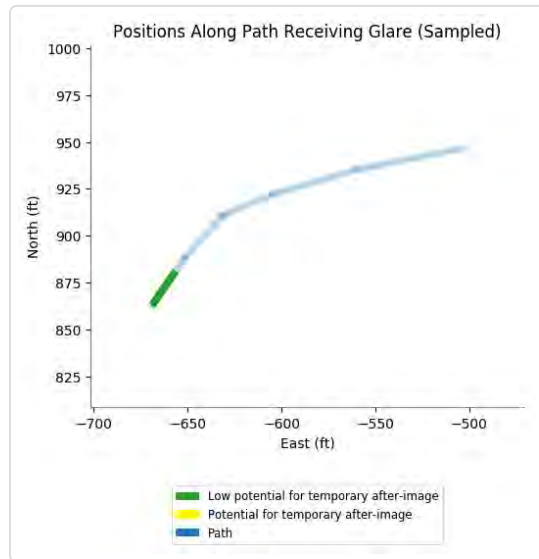
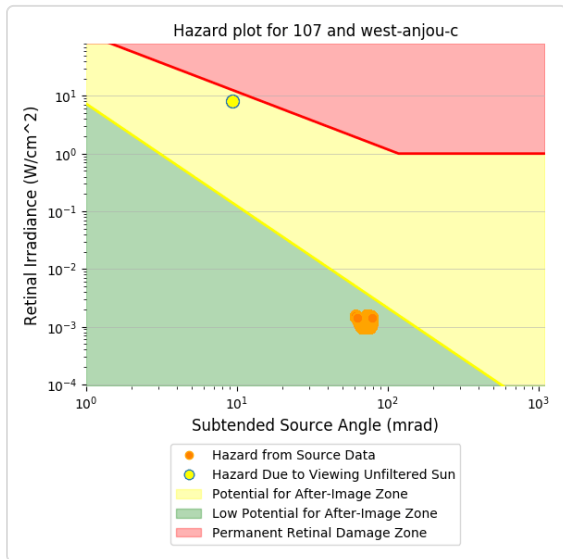
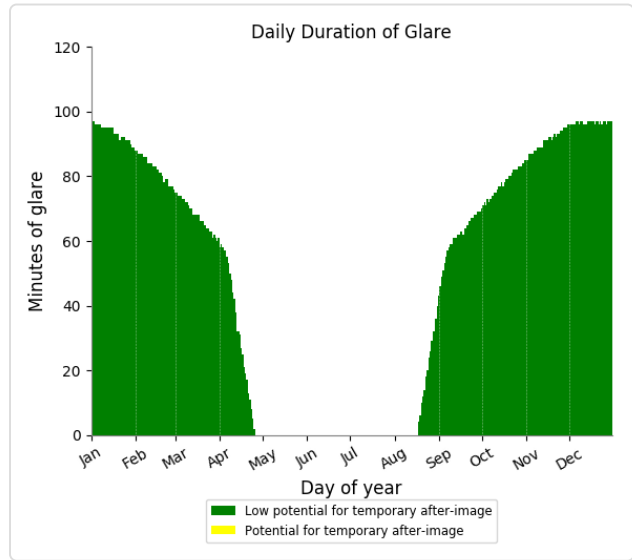
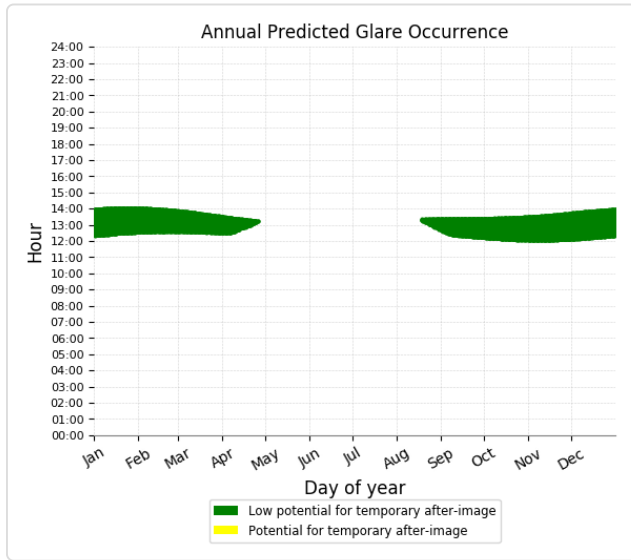
107 - Route Receptor (Thomas Road Braeburn Court)

No glare found

107 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 18,424 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	18897	0

108 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

108 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

108 - Receptor (Hornback Airstrip Northbound)

No glare found

108 - Receptor (Hornback Airstrip Southbound)

No glare found

108 - Receptor (Oz Airport NE Bound)

No glare found

108 - Receptor (Oz Airport SW Bound)

No glare found

108 - Receptor (Vine Grove Airport NW Bound)

No glare found

108 - Receptor (Vine Grove Airport SE Bound)

No glare found

108 - OP Receptor (OP 1)

No glare found

108 - OP Receptor (OP 2)

No glare found

108 - OP Receptor (OP 3)

No glare found

108 - OP Receptor (OP 4)

No glare found

108 - OP Receptor (OP 5)

No glare found

108 - OP Receptor (OP 6)

No glare found

108 - OP Receptor (OP 7)

No glare found

108 - OP Receptor (OP 8)

No glare found

108 - OP Receptor (OP 9)

No glare found

108 - OP Receptor (OP 10)

No glare found

108 - OP Receptor (OP 11)

No glare found

108 - OP Receptor (OP 12)

No glare found

108 - OP Receptor (OP 13)

No glare found

108 - OP Receptor (OP 14)

No glare found

108 - OP Receptor (OP 15)

No glare found

108 - OP Receptor (OP 16)

No glare found

108 - OP Receptor (OP 17)

No glare found

108 - OP Receptor (OP 18)

No glare found

108 - OP Receptor (OP 19)

No glare found

108 - OP Receptor (OP 20)

No glare found

108 - OP Receptor (OP 21)

No glare found

108 - OP Receptor (OP 22)

No glare found

108 - OP Receptor (OP 23)

No glare found

108 - OP Receptor (OP 24)

No glare found

108 - OP Receptor (OP 25)

No glare found

108 - OP Receptor (OP 26)

No glare found

108 - OP Receptor (OP 27)

No glare found

108 - OP Receptor (OP 28)

No glare found

108 - OP Receptor (OP 29)

No glare found

108 - OP Receptor (OP 30)

No glare found

108 - OP Receptor (OP 31)

No glare found

108 - OP Receptor (OP 32)

No glare found

108 - OP Receptor (OP 33)

No glare found

108 - OP Receptor (OP 34)

No glare found

108 - OP Receptor (OP 35)

No glare found

108 - OP Receptor (OP 36)

No glare found

108 - OP Receptor (OP 37)

No glare found

108 - OP Receptor (OP 38)

No glare found

108 - OP Receptor (OP 39)

No glare found

108 - OP Receptor (OP 40)

No glare found

108 - Route Receptor (Aiden Lane)

No glare found

108 - Route Receptor (Alcott Court Arden Court)

No glare found

108 - Route Receptor (Canton Road)

No glare found

108 - Route Receptor (Cecelia Road)

No glare found

108 - Route Receptor (Damson Trail)

No glare found

108 - Route Receptor (Goodman Lane)

No glare found

108 - Route Receptor (Hayden School Road)

No glare found

108 - Route Receptor (Hopewell Court Radford Court)

No glare found

108 - Route Receptor (Kitty Hawk Drive)

No glare found

108 - Route Receptor (St John Road)

No glare found

108 - Route Receptor (Thomas Cecelia road)

No glare found

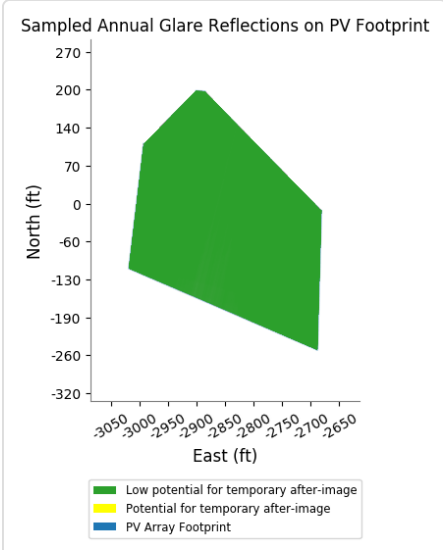
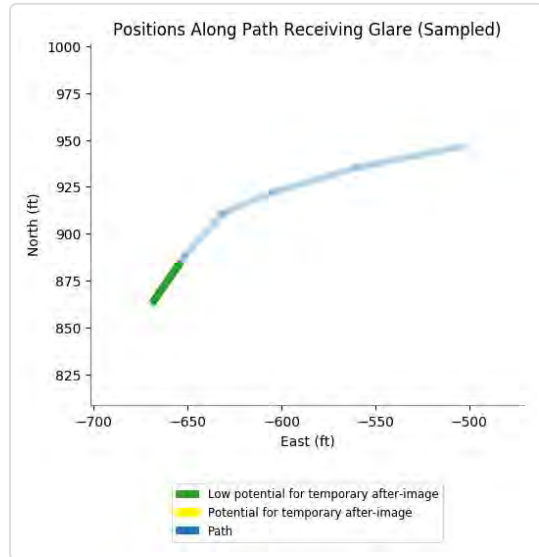
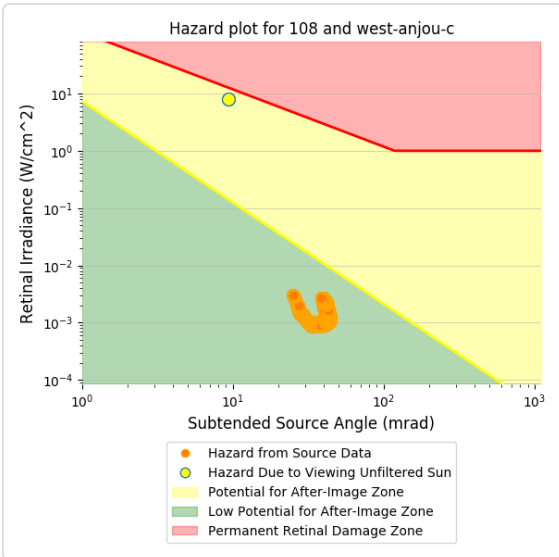
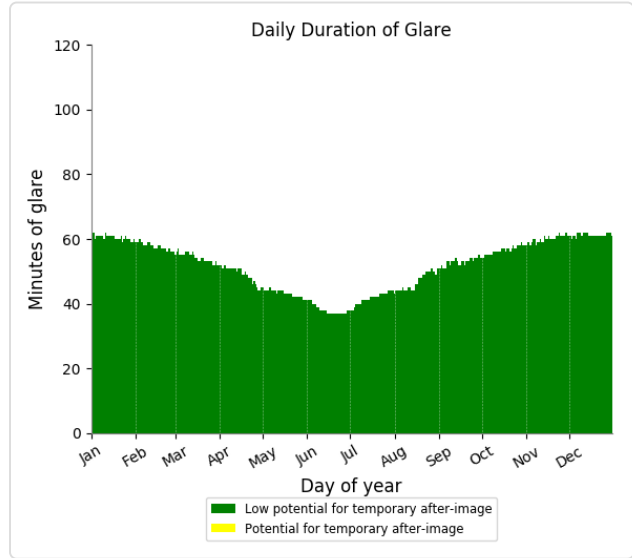
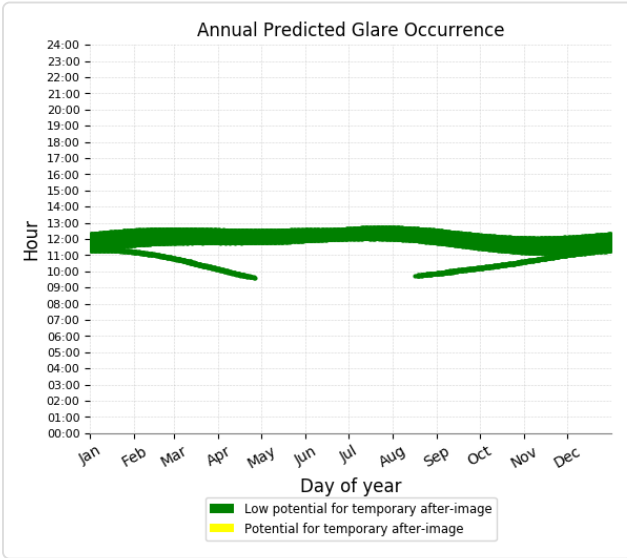
108 - Route Receptor (Thomas Road Braeburn Court)

No glare found

108 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 18,897 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	33461	0

109 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

109 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

109 - Receptor (Hornback Airstrip Northbound)

No glare found

109 - Receptor (Hornback Airstrip Southbound)

No glare found

109 - Receptor (Oz Airport NE Bound)

No glare found

109 - Receptor (Oz Airport SW Bound)

No glare found

109 - Receptor (Vine Grove Airport NW Bound)

No glare found

109 - Receptor (Vine Grove Airport SE Bound)

No glare found

109 - OP Receptor (OP 1)

No glare found

109 - OP Receptor (OP 2)

No glare found

109 - OP Receptor (OP 3)

No glare found

109 - OP Receptor (OP 4)

No glare found

109 - OP Receptor (OP 5)

No glare found

109 - OP Receptor (OP 6)

No glare found

109 - OP Receptor (OP 7)

No glare found

109 - OP Receptor (OP 8)

No glare found

109 - OP Receptor (OP 9)

No glare found

109 - OP Receptor (OP 10)

No glare found

109 - OP Receptor (OP 11)

No glare found

109 - OP Receptor (OP 12)

No glare found

109 - OP Receptor (OP 13)

No glare found

109 - OP Receptor (OP 14)

No glare found

109 - OP Receptor (OP 15)

No glare found

109 - OP Receptor (OP 16)

No glare found

109 - OP Receptor (OP 17)

No glare found

109 - OP Receptor (OP 18)

No glare found

109 - OP Receptor (OP 19)

No glare found

109 - OP Receptor (OP 20)

No glare found

109 - OP Receptor (OP 21)

No glare found

109 - OP Receptor (OP 22)

No glare found

109 - OP Receptor (OP 23)

No glare found

109 - OP Receptor (OP 24)

No glare found

109 - OP Receptor (OP 25)

No glare found

109 - OP Receptor (OP 26)

No glare found

109 - OP Receptor (OP 27)

No glare found

109 - OP Receptor (OP 28)

No glare found

109 - OP Receptor (OP 29)

No glare found

109 - OP Receptor (OP 30)

No glare found

109 - OP Receptor (OP 31)

No glare found

109 - OP Receptor (OP 32)

No glare found

109 - OP Receptor (OP 33)

No glare found

109 - OP Receptor (OP 34)

No glare found

109 - OP Receptor (OP 35)

No glare found

109 - OP Receptor (OP 36)

No glare found

109 - OP Receptor (OP 37)

No glare found

109 - OP Receptor (OP 38)

No glare found

109 - OP Receptor (OP 39)

No glare found

109 - OP Receptor (OP 40)

No glare found

109 - Route Receptor (Aiden Lane)

No glare found

109 - Route Receptor (Alcott Court Arden Court)

No glare found

109 - Route Receptor (Canton Road)

No glare found

109 - Route Receptor (Cecelia Road)

No glare found

109 - Route Receptor (Damson Trail)

No glare found

109 - Route Receptor (Goodman Lane)

No glare found

109 - Route Receptor (Hayden School Road)

No glare found

109 - Route Receptor (Hopewell Court Radford Court)

No glare found

109 - Route Receptor (Kitty Hawk Drive)

No glare found

109 - Route Receptor (St John Road)

No glare found

109 - Route Receptor (Thomas Cecelia road)

No glare found

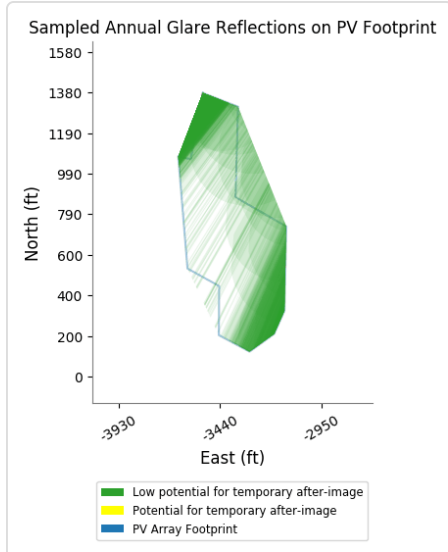
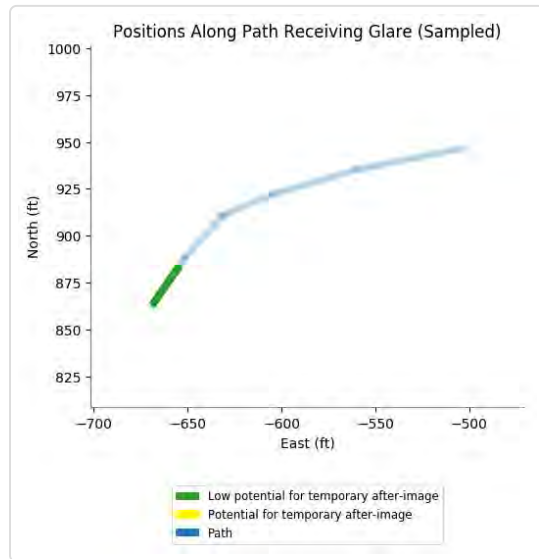
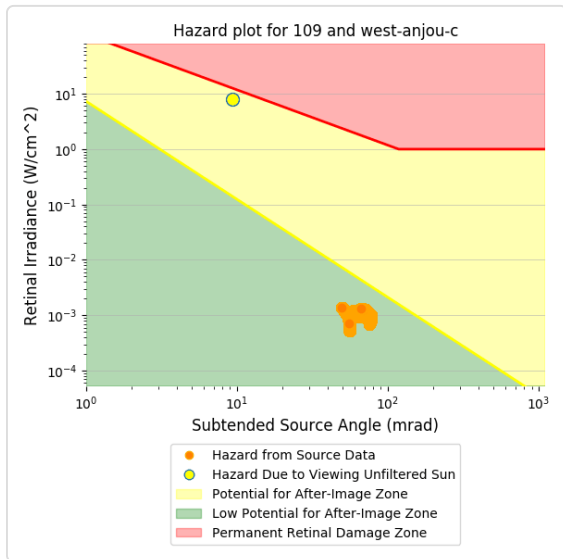
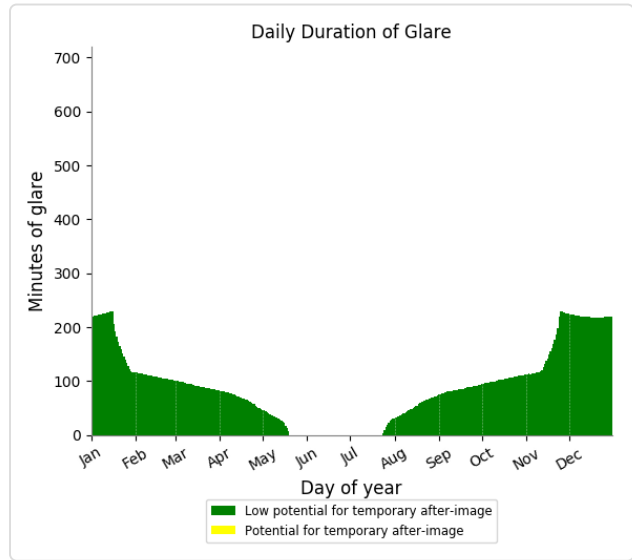
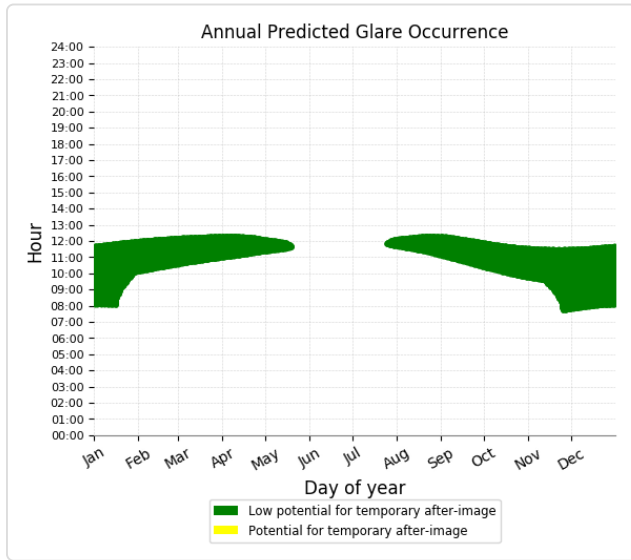
109 - Route Receptor (Thomas Road Braeburn Court)

No glare found

109 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 33,461 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



110 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	56029	0

110 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

110 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

110 - Receptor (Hornback Airstrip Northbound)

No glare found

110 - Receptor (Hornback Airstrip Southbound)

No glare found

110 - Receptor (Oz Airport NE Bound)

No glare found

110 - Receptor (Oz Airport SW Bound)

No glare found

110 - Receptor (Vine Grove Airport NW Bound)

No glare found

110 - Receptor (Vine Grove Airport SE Bound)

No glare found

110 - OP Receptor (OP 1)

No glare found

110 - OP Receptor (OP 2)

No glare found

110 - OP Receptor (OP 3)

No glare found

110 - OP Receptor (OP 4)

No glare found

110 - OP Receptor (OP 5)

No glare found

110 - OP Receptor (OP 6)

No glare found

110 - OP Receptor (OP 7)

No glare found

110 - OP Receptor (OP 8)

No glare found

110 - OP Receptor (OP 9)

No glare found

110 - OP Receptor (OP 10)

No glare found

110 - OP Receptor (OP 11)

No glare found

110 - OP Receptor (OP 12)

No glare found

110 - OP Receptor (OP 13)

No glare found

110 - OP Receptor (OP 14)

No glare found

110 - OP Receptor (OP 15)

No glare found

110 - OP Receptor (OP 16)

No glare found

110 - OP Receptor (OP 17)

No glare found

110 - OP Receptor (OP 18)

No glare found

110 - OP Receptor (OP 19)

No glare found

110 - OP Receptor (OP 20)

No glare found

110 - OP Receptor (OP 21)

No glare found

110 - OP Receptor (OP 22)

No glare found

110 - OP Receptor (OP 23)

No glare found

110 - OP Receptor (OP 24)

No glare found

110 - OP Receptor (OP 25)

No glare found

110 - OP Receptor (OP 26)

No glare found

110 - OP Receptor (OP 27)

No glare found

110 - OP Receptor (OP 28)

No glare found

110 - OP Receptor (OP 29)

No glare found

110 - OP Receptor (OP 30)

No glare found

110 - OP Receptor (OP 31)

No glare found

110 - OP Receptor (OP 32)

No glare found

110 - OP Receptor (OP 33)

No glare found

110 - OP Receptor (OP 34)

No glare found

110 - OP Receptor (OP 35)

No glare found

110 - OP Receptor (OP 36)

No glare found

110 - OP Receptor (OP 37)

No glare found

110 - OP Receptor (OP 38)

No glare found

110 - OP Receptor (OP 39)

No glare found

110 - OP Receptor (OP 40)

No glare found

110 - Route Receptor (Aiden Lane)

No glare found

110 - Route Receptor (Alcott Court Arden Court)

No glare found

110 - Route Receptor (Canton Road)

No glare found

110 - Route Receptor (Cecelia Road)

No glare found

110 - Route Receptor (Damson Trail)

No glare found

110 - Route Receptor (Goodman Lane)

No glare found

110 - Route Receptor (Hayden School Road)

No glare found

110 - Route Receptor (Hopewell Court Radford Court)

No glare found

110 - Route Receptor (Kitty Hawk Drive)

No glare found

110 - Route Receptor (St John Road)

No glare found

110 - Route Receptor (Thomas Cecelia road)

No glare found

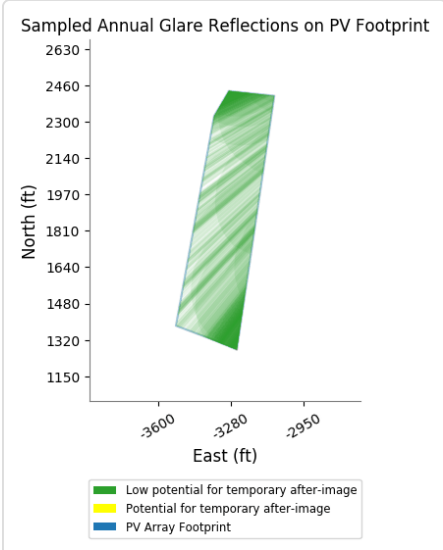
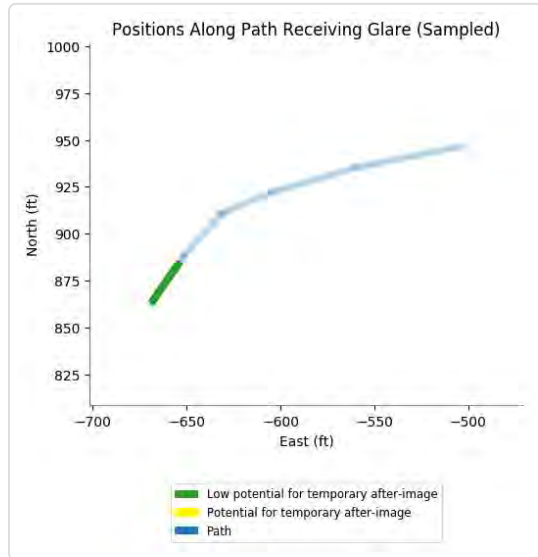
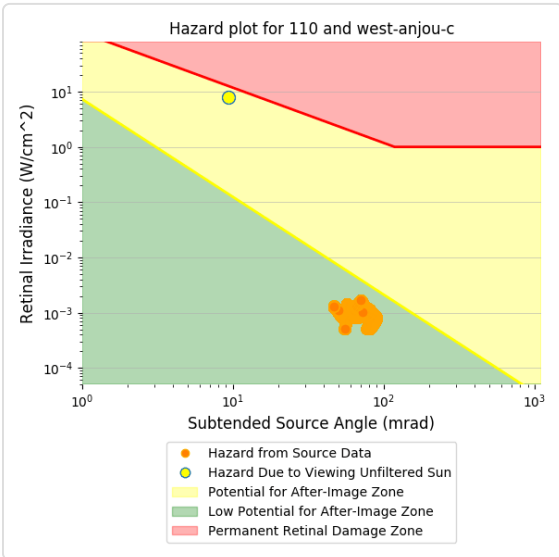
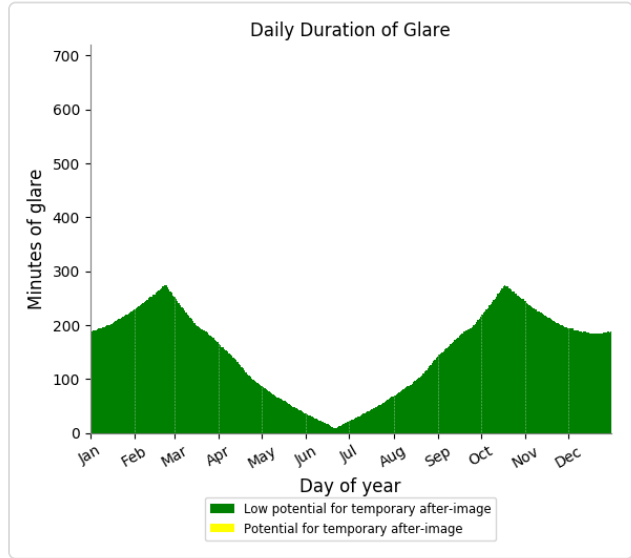
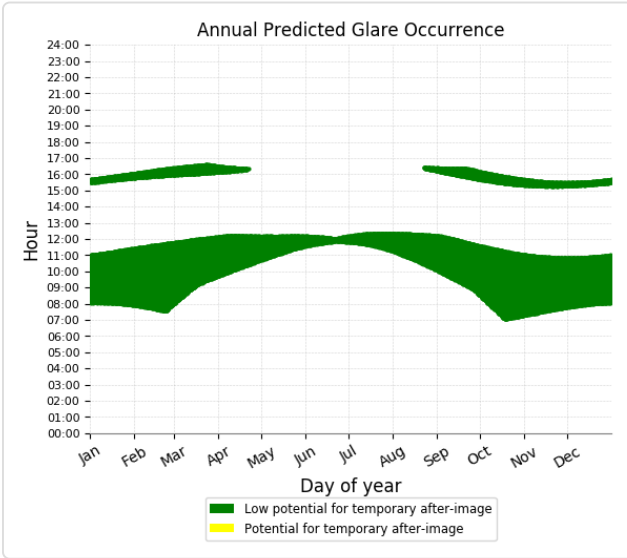
110 - Route Receptor (Thomas Road Braeburn Court)

No glare found

110 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 56,029 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	18870	0

111 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

111 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

111 - Receptor (Hornback Airstrip Northbound)

No glare found

111 - Receptor (Hornback Airstrip Southbound)

No glare found

111 - Receptor (Oz Airport NE Bound)

No glare found

111 - Receptor (Oz Airport SW Bound)

No glare found

111 - Receptor (Vine Grove Airport NW Bound)

No glare found

111 - Receptor (Vine Grove Airport SE Bound)

No glare found

111 - OP Receptor (OP 1)

No glare found

111 - OP Receptor (OP 2)

No glare found

111 - OP Receptor (OP 3)

No glare found

111 - OP Receptor (OP 4)

No glare found

111 - OP Receptor (OP 5)

No glare found

111 - OP Receptor (OP 6)

No glare found

111 - OP Receptor (OP 7)

No glare found

111 - OP Receptor (OP 8)

No glare found

111 - OP Receptor (OP 9)

No glare found

111 - OP Receptor (OP 10)

No glare found

111 - OP Receptor (OP 11)

No glare found

111 - OP Receptor (OP 12)

No glare found

111 - OP Receptor (OP 13)

No glare found

111 - OP Receptor (OP 14)

No glare found

111 - OP Receptor (OP 15)

No glare found

111 - OP Receptor (OP 16)

No glare found

111 - OP Receptor (OP 17)

No glare found

111 - OP Receptor (OP 18)

No glare found

111 - OP Receptor (OP 19)

No glare found

111 - OP Receptor (OP 20)

No glare found

111 - OP Receptor (OP 21)

No glare found

111 - OP Receptor (OP 22)

No glare found

111 - OP Receptor (OP 23)

No glare found

111 - OP Receptor (OP 24)

No glare found

111 - OP Receptor (OP 25)

No glare found

111 - OP Receptor (OP 26)

No glare found

111 - OP Receptor (OP 27)

No glare found

111 - OP Receptor (OP 28)

No glare found

111 - OP Receptor (OP 29)

No glare found

111 - OP Receptor (OP 30)

No glare found

111 - OP Receptor (OP 31)

No glare found

111 - OP Receptor (OP 32)

No glare found

111 - OP Receptor (OP 33)

No glare found

111 - OP Receptor (OP 34)

No glare found

111 - OP Receptor (OP 35)

No glare found

111 - OP Receptor (OP 36)

No glare found

111 - OP Receptor (OP 37)

No glare found

111 - OP Receptor (OP 38)

No glare found

111 - OP Receptor (OP 39)

No glare found

111 - OP Receptor (OP 40)

No glare found

111 - Route Receptor (Aiden Lane)

No glare found

111 - Route Receptor (Alcott Court Arden Court)

No glare found

111 - Route Receptor (Canton Road)

No glare found

111 - Route Receptor (Cecelia Road)

No glare found

111 - Route Receptor (Damson Trail)

No glare found

111 - Route Receptor (Goodman Lane)

No glare found

111 - Route Receptor (Hayden School Road)

No glare found

111 - Route Receptor (Hopewell Court Radford Court)

No glare found

111 - Route Receptor (Kitty Hawk Drive)

No glare found

111 - Route Receptor (St John Road)

No glare found

111 - Route Receptor (Thomas Cecelia road)

No glare found

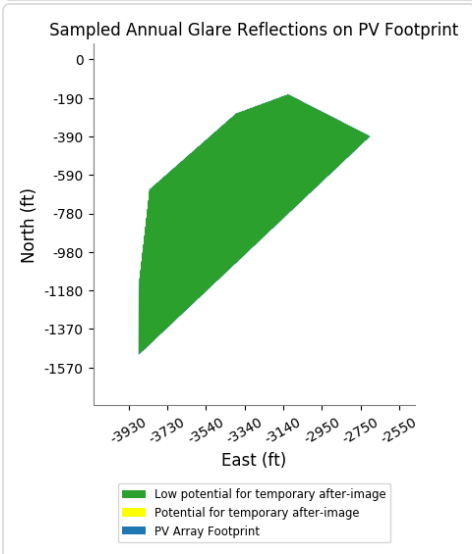
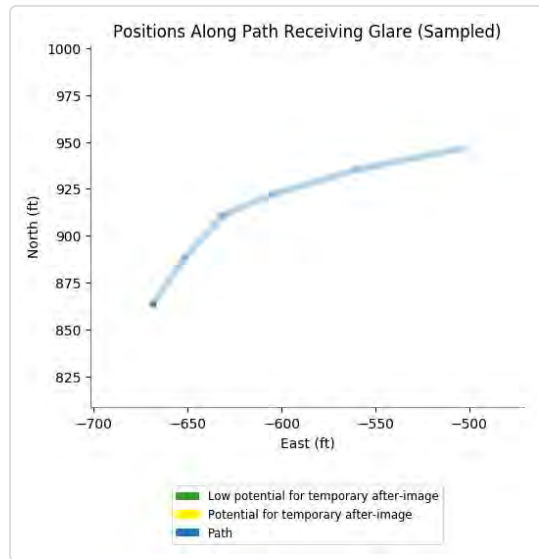
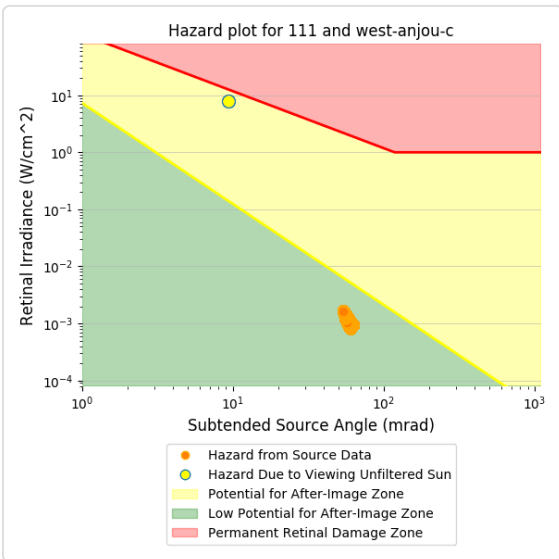
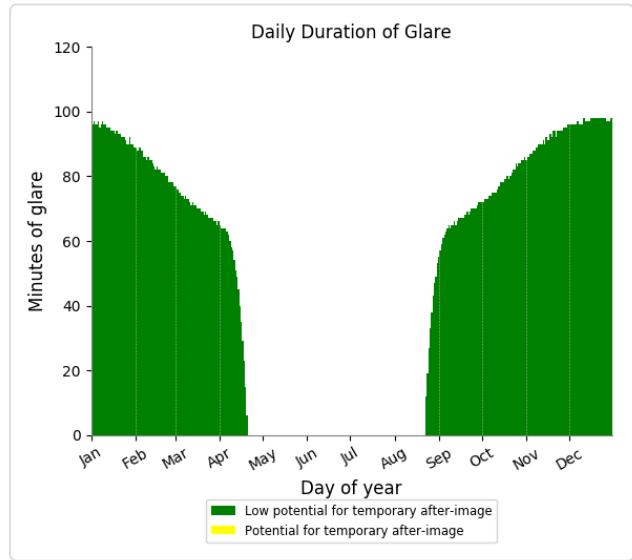
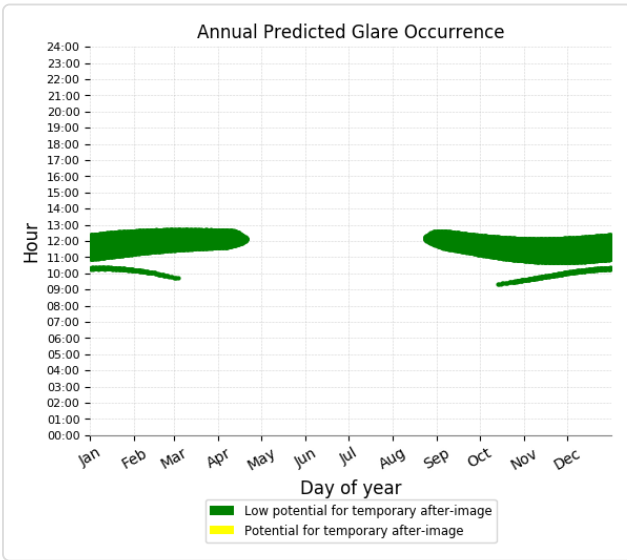
111 - Route Receptor (Thomas Road Braeburn Court)

No glare found

111 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 18,870 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



112 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	17224	0

112 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

112 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

112 - Receptor (Hornback Airstrip Northbound)

No glare found

112 - Receptor (Hornback Airstrip Southbound)

No glare found

112 - Receptor (Oz Airport NE Bound)

No glare found

112 - Receptor (Oz Airport SW Bound)

No glare found

112 - Receptor (Vine Grove Airport NW Bound)

No glare found

112 - Receptor (Vine Grove Airport SE Bound)

No glare found

112 - OP Receptor (OP 1)

No glare found

112 - OP Receptor (OP 2)

No glare found

112 - OP Receptor (OP 3)

No glare found

112 - OP Receptor (OP 4)

No glare found

112 - OP Receptor (OP 5)

No glare found

112 - OP Receptor (OP 6)

No glare found

112 - OP Receptor (OP 7)

No glare found

112 - OP Receptor (OP 8)

No glare found

112 - OP Receptor (OP 9)

No glare found

112 - OP Receptor (OP 10)

No glare found

112 - OP Receptor (OP 11)

No glare found

112 - OP Receptor (OP 12)

No glare found

112 - OP Receptor (OP 13)

No glare found

112 - OP Receptor (OP 14)

No glare found

112 - OP Receptor (OP 15)

No glare found

112 - OP Receptor (OP 16)

No glare found

112 - OP Receptor (OP 17)

No glare found

112 - OP Receptor (OP 18)

No glare found

112 - OP Receptor (OP 19)

No glare found

112 - OP Receptor (OP 20)

No glare found

112 - OP Receptor (OP 21)

No glare found

112 - OP Receptor (OP 22)

No glare found

112 - OP Receptor (OP 23)

No glare found

112 - OP Receptor (OP 24)

No glare found

112 - OP Receptor (OP 25)

No glare found

112 - OP Receptor (OP 26)

No glare found

112 - OP Receptor (OP 27)

No glare found

112 - OP Receptor (OP 28)

No glare found

112 - OP Receptor (OP 29)

No glare found

112 - OP Receptor (OP 30)

No glare found

112 - OP Receptor (OP 31)

No glare found

112 - OP Receptor (OP 32)

No glare found

112 - OP Receptor (OP 33)

No glare found

112 - OP Receptor (OP 34)

No glare found

112 - OP Receptor (OP 35)

No glare found

112 - OP Receptor (OP 36)

No glare found

112 - OP Receptor (OP 37)

No glare found

112 - OP Receptor (OP 38)

No glare found

112 - OP Receptor (OP 39)

No glare found

112 - OP Receptor (OP 40)

No glare found

112 - Route Receptor (Aiden Lane)

No glare found

112 - Route Receptor (Alcott Court Arden Court)

No glare found

112 - Route Receptor (Canton Road)

No glare found

112 - Route Receptor (Cecelia Road)

No glare found

112 - Route Receptor (Damson Trail)

No glare found

112 - Route Receptor (Goodman Lane)

No glare found

112 - Route Receptor (Hayden School Road)

No glare found

112 - Route Receptor (Hopewell Court Radford Court)

No glare found

112 - Route Receptor (Kitty Hawk Drive)

No glare found

112 - Route Receptor (St John Road)

No glare found

112 - Route Receptor (Thomas Cecelia road)

No glare found

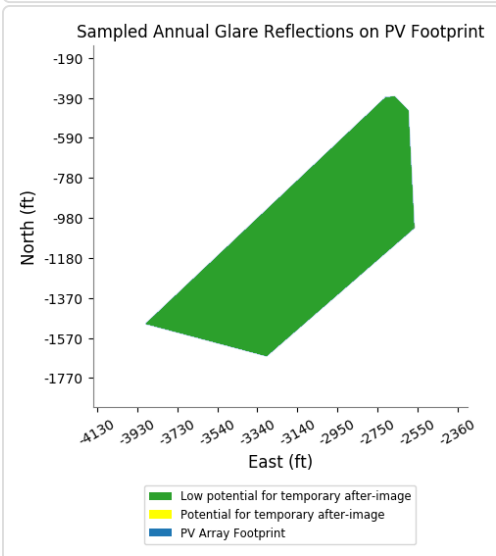
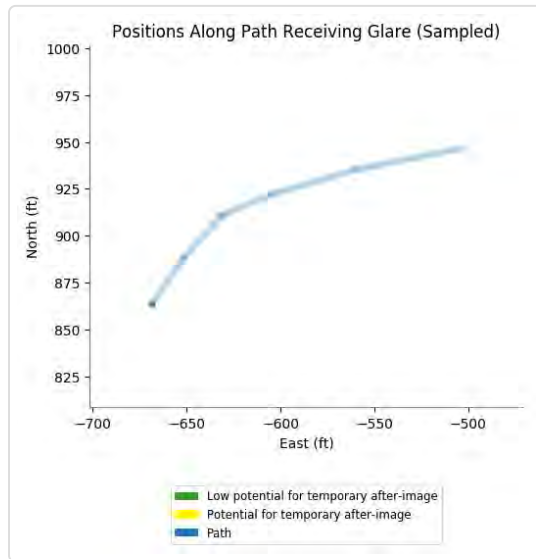
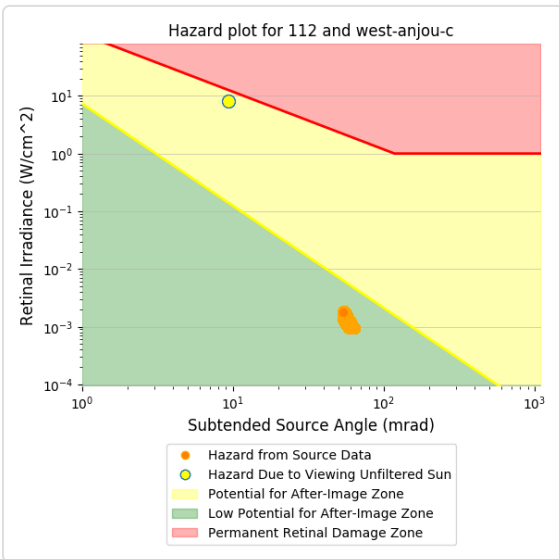
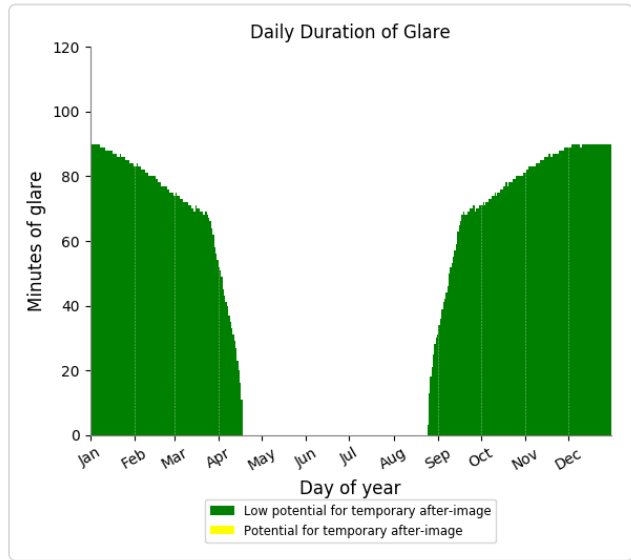
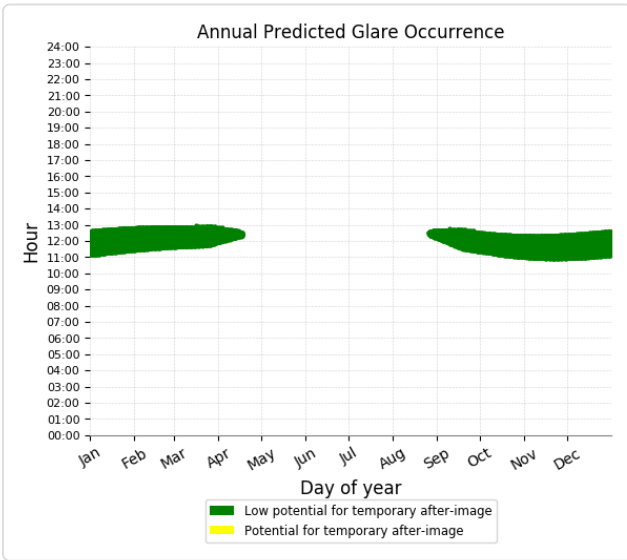
112 - Route Receptor (Thomas Road Braeburn Court)

No glare found

112 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 17,224 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



113 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	21205	0

113 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

113 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

113 - Receptor (Hornback Airstrip Northbound)

No glare found

113 - Receptor (Hornback Airstrip Southbound)

No glare found

113 - Receptor (Oz Airport NE Bound)

No glare found

113 - Receptor (Oz Airport SW Bound)

No glare found

113 - Receptor (Vine Grove Airport NW Bound)

No glare found

113 - Receptor (Vine Grove Airport SE Bound)

No glare found

113 - OP Receptor (OP 1)

No glare found

113 - OP Receptor (OP 2)

No glare found

113 - OP Receptor (OP 3)

No glare found

113 - OP Receptor (OP 4)

No glare found

113 - OP Receptor (OP 5)

No glare found

113 - OP Receptor (OP 6)

No glare found

113 - OP Receptor (OP 7)

No glare found

113 - OP Receptor (OP 8)

No glare found

113 - OP Receptor (OP 9)

No glare found

113 - OP Receptor (OP 10)

No glare found

113 - OP Receptor (OP 11)

No glare found

113 - OP Receptor (OP 12)

No glare found

113 - OP Receptor (OP 13)

No glare found

113 - OP Receptor (OP 14)

No glare found

113 - OP Receptor (OP 15)

No glare found

113 - OP Receptor (OP 16)

No glare found

113 - OP Receptor (OP 17)

No glare found

113 - OP Receptor (OP 18)

No glare found

113 - OP Receptor (OP 19)

No glare found

113 - OP Receptor (OP 20)

No glare found

113 - OP Receptor (OP 21)

No glare found

113 - OP Receptor (OP 22)

No glare found

113 - OP Receptor (OP 23)

No glare found

113 - OP Receptor (OP 24)

No glare found

113 - OP Receptor (OP 25)

No glare found

113 - OP Receptor (OP 26)

No glare found

113 - OP Receptor (OP 27)

No glare found

113 - OP Receptor (OP 28)

No glare found

113 - OP Receptor (OP 29)

No glare found

113 - OP Receptor (OP 30)

No glare found

113 - OP Receptor (OP 31)

No glare found

113 - OP Receptor (OP 32)

No glare found

113 - OP Receptor (OP 33)

No glare found

113 - OP Receptor (OP 34)

No glare found

113 - OP Receptor (OP 35)

No glare found

113 - OP Receptor (OP 36)

No glare found

113 - OP Receptor (OP 37)

No glare found

113 - OP Receptor (OP 38)

No glare found

113 - OP Receptor (OP 39)

No glare found

113 - OP Receptor (OP 40)

No glare found

113 - Route Receptor (Aiden Lane)

No glare found

113 - Route Receptor (Alcott Court Arden Court)

No glare found

113 - Route Receptor (Canton Road)

No glare found

113 - Route Receptor (Cecelia Road)

No glare found

113 - Route Receptor (Damson Trail)

No glare found

113 - Route Receptor (Goodman Lane)

No glare found

113 - Route Receptor (Hayden School Road)

No glare found

113 - Route Receptor (Hopewell Court Radford Court)

No glare found

113 - Route Receptor (Kitty Hawk Drive)

No glare found

113 - Route Receptor (St John Road)

No glare found

113 - Route Receptor (Thomas Cecelia road)

No glare found

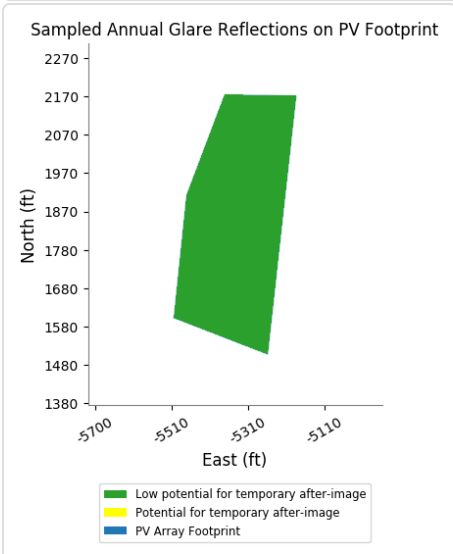
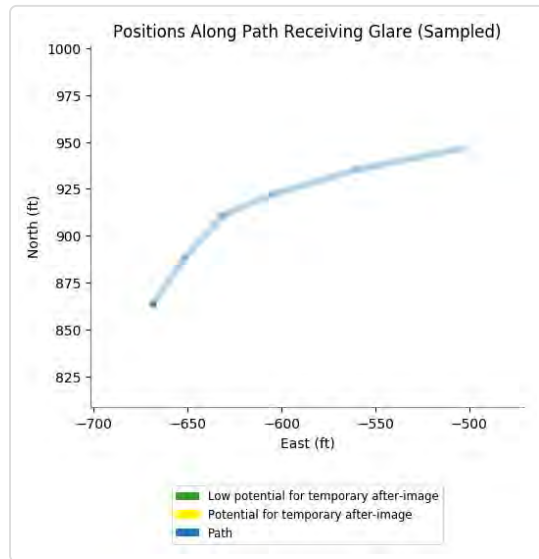
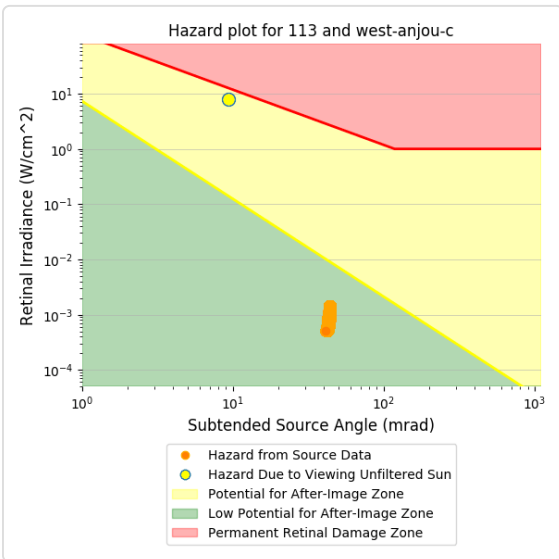
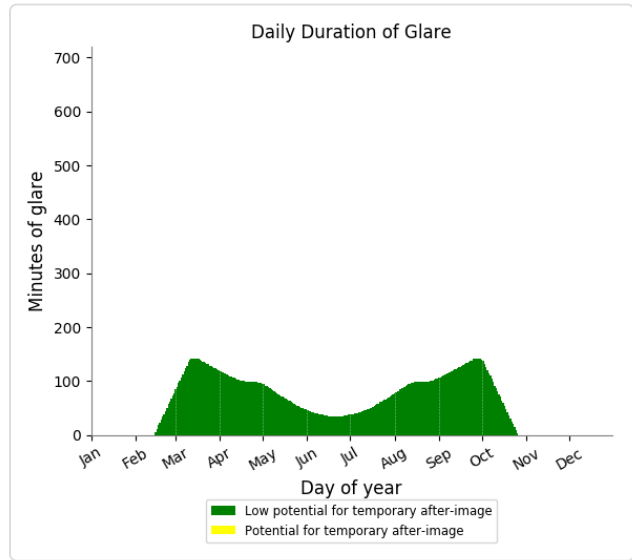
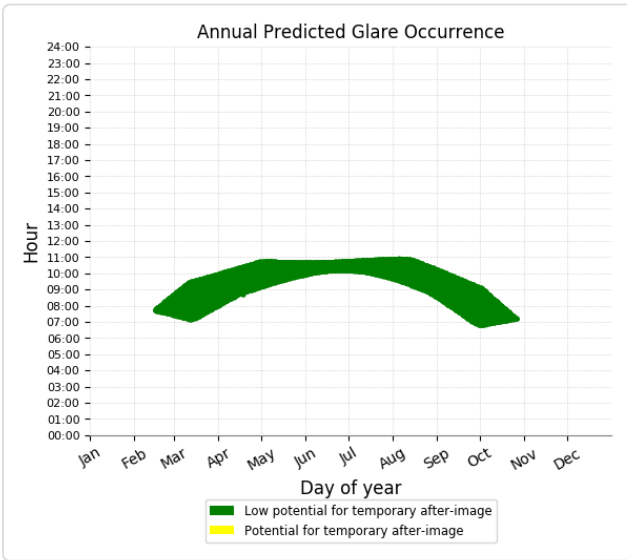
113 - Route Receptor (Thomas Road Braeburn Court)

No glare found

113 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 21,205 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	20416	0

114 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

114 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

114 - Receptor (Hornback Airstrip Northbound)

No glare found

114 - Receptor (Hornback Airstrip Southbound)

No glare found

114 - Receptor (Oz Airport NE Bound)

No glare found

114 - Receptor (Oz Airport SW Bound)

No glare found

114 - Receptor (Vine Grove Airport NW Bound)

No glare found

114 - Receptor (Vine Grove Airport SE Bound)

No glare found

114 - OP Receptor (OP 1)

No glare found

114 - OP Receptor (OP 2)

No glare found

114 - OP Receptor (OP 3)

No glare found

114 - OP Receptor (OP 4)

No glare found

114 - OP Receptor (OP 5)

No glare found

114 - OP Receptor (OP 6)

No glare found

114 - OP Receptor (OP 7)

No glare found

114 - OP Receptor (OP 8)

No glare found

114 - OP Receptor (OP 9)

No glare found

114 - OP Receptor (OP 10)

No glare found

114 - OP Receptor (OP 11)

No glare found

114 - OP Receptor (OP 12)

No glare found

114 - OP Receptor (OP 13)

No glare found

114 - OP Receptor (OP 14)

No glare found

114 - OP Receptor (OP 15)

No glare found

114 - OP Receptor (OP 16)

No glare found

114 - OP Receptor (OP 17)

No glare found

114 - OP Receptor (OP 18)

No glare found

114 - OP Receptor (OP 19)

No glare found

114 - OP Receptor (OP 20)

No glare found

114 - OP Receptor (OP 21)

No glare found

114 - OP Receptor (OP 22)

No glare found

114 - OP Receptor (OP 23)

No glare found

114 - OP Receptor (OP 24)

No glare found

114 - OP Receptor (OP 25)

No glare found

114 - OP Receptor (OP 26)

No glare found

114 - OP Receptor (OP 27)

No glare found

114 - OP Receptor (OP 28)

No glare found

114 - OP Receptor (OP 29)

No glare found

114 - OP Receptor (OP 30)

No glare found

114 - OP Receptor (OP 31)

No glare found

114 - OP Receptor (OP 32)

No glare found

114 - OP Receptor (OP 33)

No glare found

114 - OP Receptor (OP 34)

No glare found

114 - OP Receptor (OP 35)

No glare found

114 - OP Receptor (OP 36)

No glare found

114 - OP Receptor (OP 37)

No glare found

114 - OP Receptor (OP 38)

No glare found

114 - OP Receptor (OP 39)

No glare found

114 - OP Receptor (OP 40)

No glare found

114 - Route Receptor (Aiden Lane)

No glare found

114 - Route Receptor (Alcott Court Arden Court)

No glare found

114 - Route Receptor (Canton Road)

No glare found

114 - Route Receptor (Cecelia Road)

No glare found

114 - Route Receptor (Damson Trail)

No glare found

114 - Route Receptor (Goodman Lane)

No glare found

114 - Route Receptor (Hayden School Road)

No glare found

114 - Route Receptor (Hopewell Court Radford Court)

No glare found

114 - Route Receptor (Kitty Hawk Drive)

No glare found

114 - Route Receptor (St John Road)

No glare found

114 - Route Receptor (Thomas Cecelia road)

No glare found

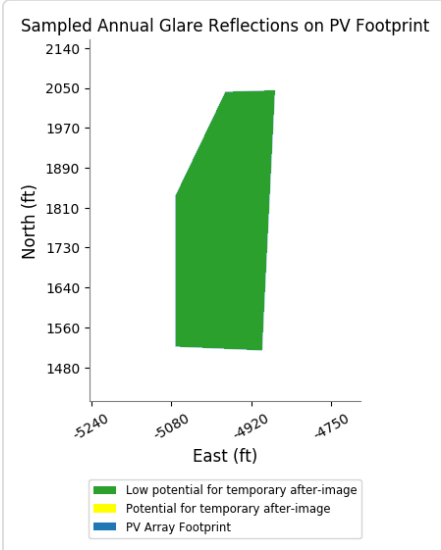
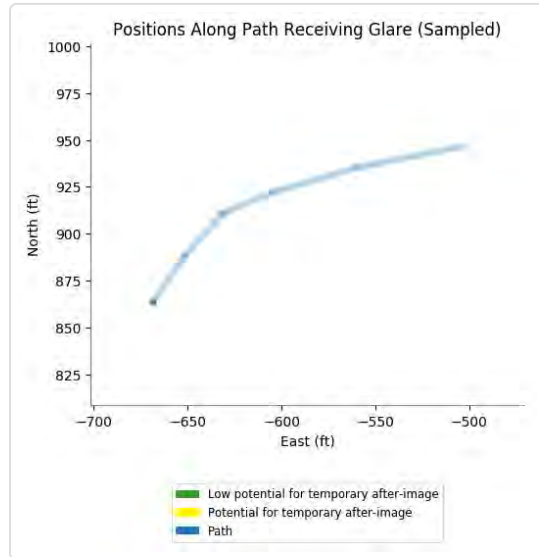
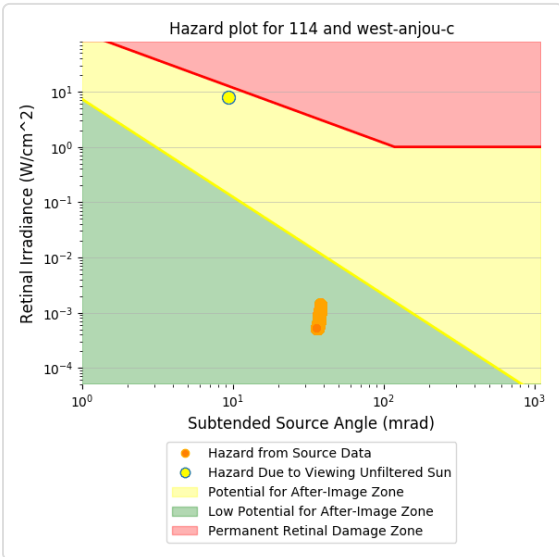
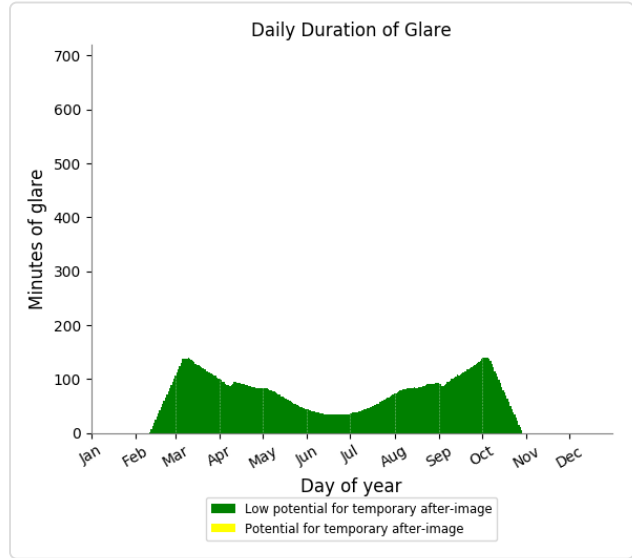
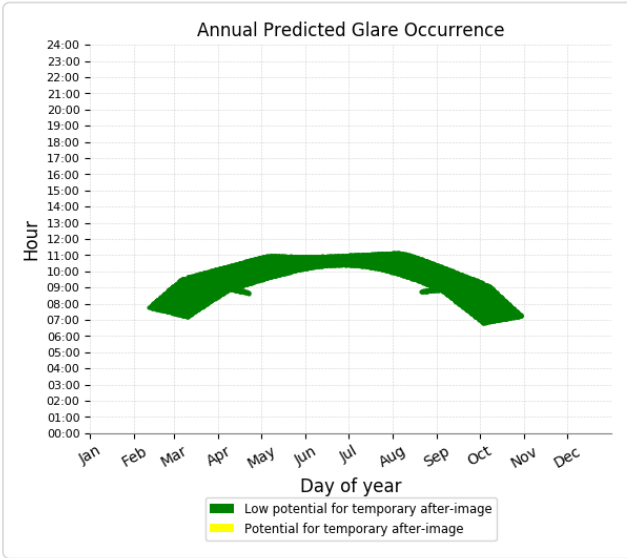
114 - Route Receptor (Thomas Road Braeburn Court)

No glare found

114 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 20,416 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
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OP: OP 25	0	0
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OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	26925	0

115 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

115 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

115 - Receptor (Hornback Airstrip Northbound)

No glare found

115 - Receptor (Hornback Airstrip Southbound)

No glare found

115 - Receptor (Oz Airport NE Bound)

No glare found

115 - Receptor (Oz Airport SW Bound)

No glare found

115 - Receptor (Vine Grove Airport NW Bound)

No glare found

115 - Receptor (Vine Grove Airport SE Bound)

No glare found

115 - OP Receptor (OP 1)

No glare found

115 - OP Receptor (OP 2)

No glare found

115 - OP Receptor (OP 3)

No glare found

115 - OP Receptor (OP 4)

No glare found

115 - OP Receptor (OP 5)

No glare found

115 - OP Receptor (OP 6)

No glare found

115 - OP Receptor (OP 7)

No glare found

115 - OP Receptor (OP 8)

No glare found

115 - OP Receptor (OP 9)

No glare found

115 - OP Receptor (OP 10)

No glare found

115 - OP Receptor (OP 11)

No glare found

115 - OP Receptor (OP 12)

No glare found

115 - OP Receptor (OP 13)

No glare found

115 - OP Receptor (OP 14)

No glare found

115 - OP Receptor (OP 15)

No glare found

115 - OP Receptor (OP 16)

No glare found

115 - OP Receptor (OP 17)

No glare found

115 - OP Receptor (OP 18)

No glare found

115 - OP Receptor (OP 19)

No glare found

115 - OP Receptor (OP 20)

No glare found

115 - OP Receptor (OP 21)

No glare found

115 - OP Receptor (OP 22)

No glare found

115 - OP Receptor (OP 23)

No glare found

115 - OP Receptor (OP 24)

No glare found

115 - OP Receptor (OP 25)

No glare found

115 - OP Receptor (OP 26)

No glare found

115 - OP Receptor (OP 27)

No glare found

115 - OP Receptor (OP 28)

No glare found

115 - OP Receptor (OP 29)

No glare found

115 - OP Receptor (OP 30)

No glare found

115 - OP Receptor (OP 31)

No glare found

115 - OP Receptor (OP 32)

No glare found

115 - OP Receptor (OP 33)

No glare found

115 - OP Receptor (OP 34)

No glare found

115 - OP Receptor (OP 35)

No glare found

115 - OP Receptor (OP 36)

No glare found

115 - OP Receptor (OP 37)

No glare found

115 - OP Receptor (OP 38)

No glare found

115 - OP Receptor (OP 39)

No glare found

115 - OP Receptor (OP 40)

No glare found

115 - Route Receptor (Aiden Lane)

No glare found

115 - Route Receptor (Alcott Court Arden Court)

No glare found

115 - Route Receptor (Canton Road)

No glare found

115 - Route Receptor (Cecelia Road)

No glare found

115 - Route Receptor (Damson Trail)

No glare found

115 - Route Receptor (Goodman Lane)

No glare found

115 - Route Receptor (Hayden School Road)

No glare found

115 - Route Receptor (Hopewell Court Radford Court)

No glare found

115 - Route Receptor (Kitty Hawk Drive)

No glare found

115 - Route Receptor (St John Road)

No glare found

115 - Route Receptor (Thomas Cecelia road)

No glare found

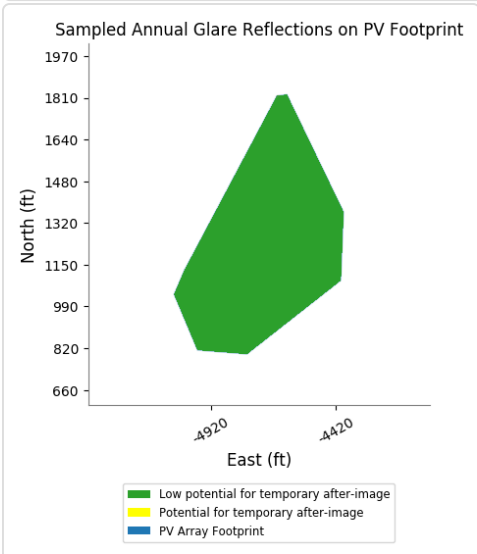
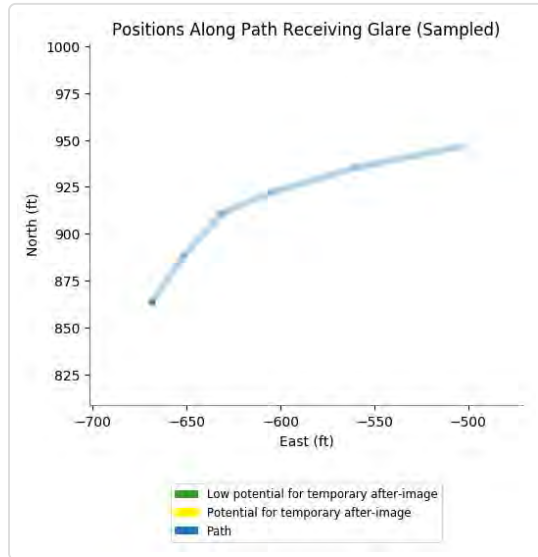
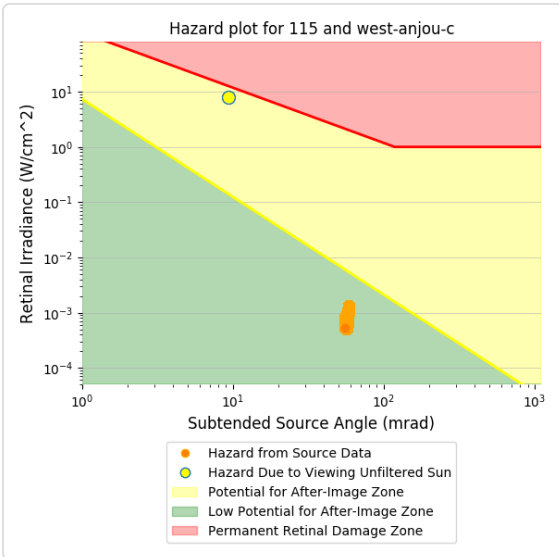
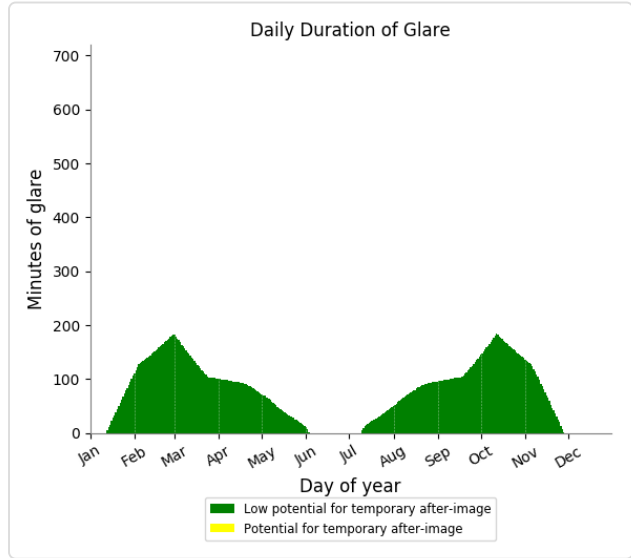
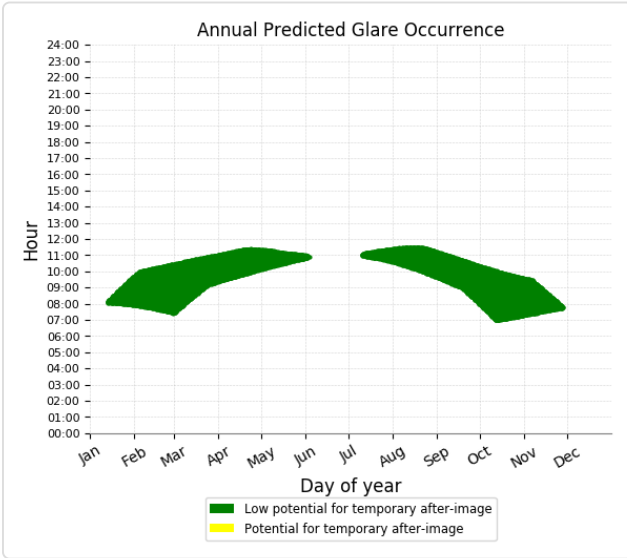
115 - Route Receptor (Thomas Road Braeburn Court)

No glare found

115 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 26,925 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	39244	0

116 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

116 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

116 - Receptor (Hornback Airstrip Northbound)

No glare found

116 - Receptor (Hornback Airstrip Southbound)

No glare found

116 - Receptor (Oz Airport NE Bound)

No glare found

116 - Receptor (Oz Airport SW Bound)

No glare found

116 - Receptor (Vine Grove Airport NW Bound)

No glare found

116 - Receptor (Vine Grove Airport SE Bound)

No glare found

116 - OP Receptor (OP 1)

No glare found

116 - OP Receptor (OP 2)

No glare found

116 - OP Receptor (OP 3)

No glare found

116 - OP Receptor (OP 4)

No glare found

116 - OP Receptor (OP 5)

No glare found

116 - OP Receptor (OP 6)

No glare found

116 - OP Receptor (OP 7)

No glare found

116 - OP Receptor (OP 8)

No glare found

116 - OP Receptor (OP 9)

No glare found

116 - OP Receptor (OP 10)

No glare found

116 - OP Receptor (OP 11)

No glare found

116 - OP Receptor (OP 12)

No glare found

116 - OP Receptor (OP 13)

No glare found

116 - OP Receptor (OP 14)

No glare found

116 - OP Receptor (OP 15)

No glare found

116 - OP Receptor (OP 16)

No glare found

116 - OP Receptor (OP 17)

No glare found

116 - OP Receptor (OP 18)

No glare found

116 - OP Receptor (OP 19)

No glare found

116 - OP Receptor (OP 20)

No glare found

116 - OP Receptor (OP 21)

No glare found

116 - OP Receptor (OP 22)

No glare found

116 - OP Receptor (OP 23)

No glare found

116 - OP Receptor (OP 24)

No glare found

116 - OP Receptor (OP 25)

No glare found

116 - OP Receptor (OP 26)

No glare found

116 - OP Receptor (OP 27)

No glare found

116 - OP Receptor (OP 28)

No glare found

116 - OP Receptor (OP 29)

No glare found

116 - OP Receptor (OP 30)

No glare found

116 - OP Receptor (OP 31)

No glare found

116 - OP Receptor (OP 32)

No glare found

116 - OP Receptor (OP 33)

No glare found

116 - OP Receptor (OP 34)

No glare found

116 - OP Receptor (OP 35)

No glare found

116 - OP Receptor (OP 36)

No glare found

116 - OP Receptor (OP 37)

No glare found

116 - OP Receptor (OP 38)

No glare found

116 - OP Receptor (OP 39)

No glare found

116 - OP Receptor (OP 40)

No glare found

116 - Route Receptor (Aiden Lane)

No glare found

116 - Route Receptor (Alcott Court Arden Court)

No glare found

116 - Route Receptor (Canton Road)

No glare found

116 - Route Receptor (Cecelia Road)

No glare found

116 - Route Receptor (Damson Trail)

No glare found

116 - Route Receptor (Goodman Lane)

No glare found

116 - Route Receptor (Hayden School Road)

No glare found

116 - Route Receptor (Hopewell Court Radford Court)

No glare found

116 - Route Receptor (Kitty Hawk Drive)

No glare found

116 - Route Receptor (St John Road)

No glare found

116 - Route Receptor (Thomas Cecelia road)

No glare found

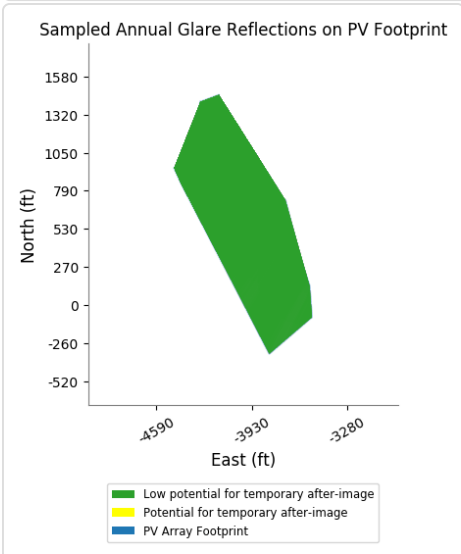
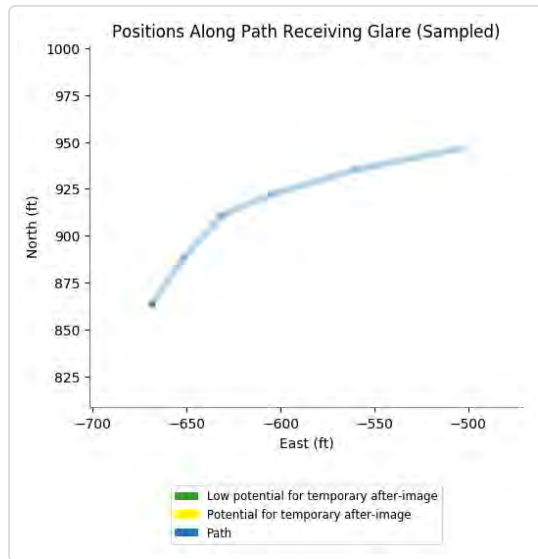
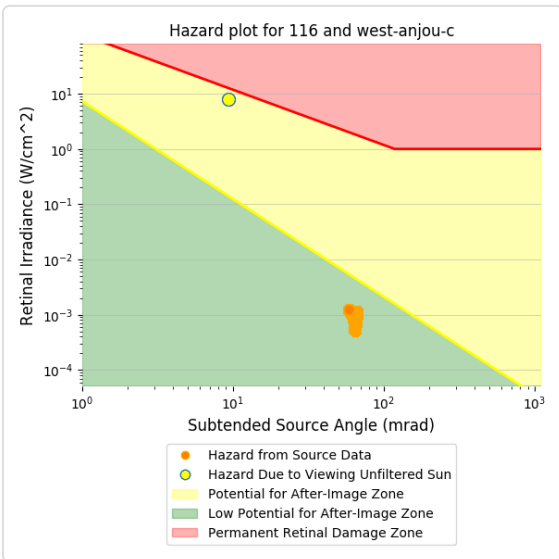
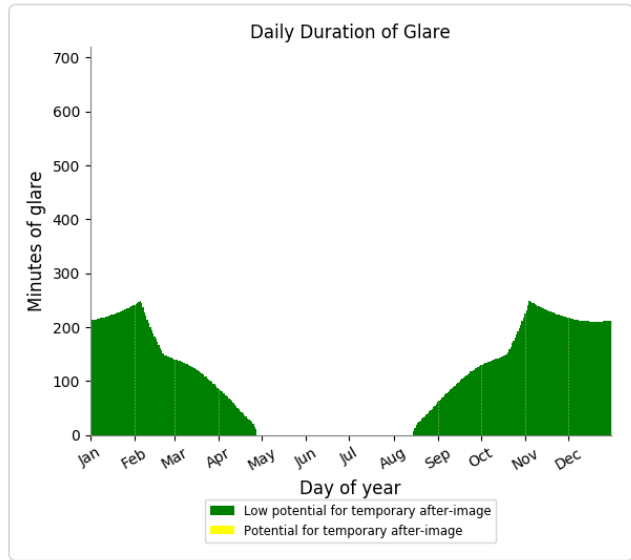
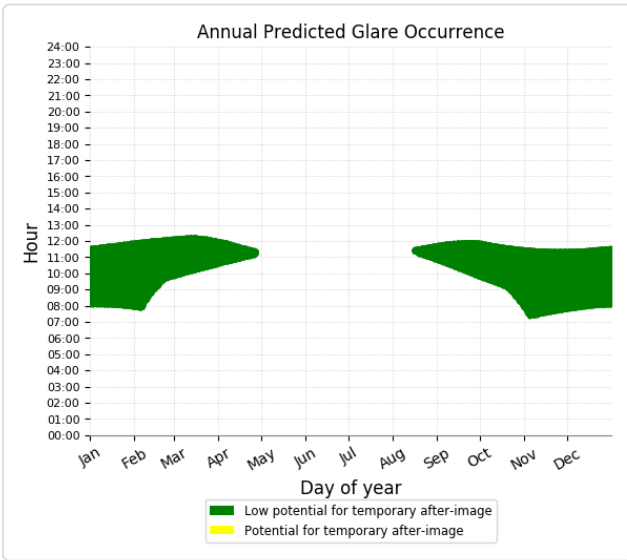
116 - Route Receptor (Thomas Road Braeburn Court)

No glare found

116 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 39,244 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	38116	0

117 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

117 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

117 - Receptor (Hornback Airstrip Northbound)

No glare found

117 - Receptor (Hornback Airstrip Southbound)

No glare found

117 - Receptor (Oz Airport NE Bound)

No glare found

117 - Receptor (Oz Airport SW Bound)

No glare found

117 - Receptor (Vine Grove Airport NW Bound)

No glare found

117 - Receptor (Vine Grove Airport SE Bound)

No glare found

117 - OP Receptor (OP 1)

No glare found

117 - OP Receptor (OP 2)

No glare found

117 - OP Receptor (OP 3)

No glare found

117 - OP Receptor (OP 4)

No glare found

117 - OP Receptor (OP 5)

No glare found

117 - OP Receptor (OP 6)

No glare found

117 - OP Receptor (OP 7)

No glare found

117 - OP Receptor (OP 8)

No glare found

117 - OP Receptor (OP 9)

No glare found

117 - OP Receptor (OP 10)

No glare found

117 - OP Receptor (OP 11)

No glare found

117 - OP Receptor (OP 12)

No glare found

117 - OP Receptor (OP 13)

No glare found

117 - OP Receptor (OP 14)

No glare found

117 - OP Receptor (OP 15)

No glare found

117 - OP Receptor (OP 16)

No glare found

117 - OP Receptor (OP 17)

No glare found

117 - OP Receptor (OP 18)

No glare found

117 - OP Receptor (OP 19)

No glare found

117 - OP Receptor (OP 20)

No glare found

117 - OP Receptor (OP 21)

No glare found

117 - OP Receptor (OP 22)

No glare found

117 - OP Receptor (OP 23)

No glare found

117 - OP Receptor (OP 24)

No glare found

117 - OP Receptor (OP 25)

No glare found

117 - OP Receptor (OP 26)

No glare found

117 - OP Receptor (OP 27)

No glare found

117 - OP Receptor (OP 28)

No glare found

117 - OP Receptor (OP 29)

No glare found

117 - OP Receptor (OP 30)

No glare found

117 - OP Receptor (OP 31)

No glare found

117 - OP Receptor (OP 32)

No glare found

117 - OP Receptor (OP 33)

No glare found

117 - OP Receptor (OP 34)

No glare found

117 - OP Receptor (OP 35)

No glare found

117 - OP Receptor (OP 36)

No glare found

117 - OP Receptor (OP 37)

No glare found

117 - OP Receptor (OP 38)

No glare found

117 - OP Receptor (OP 39)

No glare found

117 - OP Receptor (OP 40)

No glare found

117 - Route Receptor (Aiden Lane)

No glare found

117 - Route Receptor (Alcott Court Arden Court)

No glare found

117 - Route Receptor (Canton Road)

No glare found

117 - Route Receptor (Cecelia Road)

No glare found

117 - Route Receptor (Damson Trail)

No glare found

117 - Route Receptor (Goodman Lane)

No glare found

117 - Route Receptor (Hayden School Road)

No glare found

117 - Route Receptor (Hopewell Court Radford Court)

No glare found

117 - Route Receptor (Kitty Hawk Drive)

No glare found

117 - Route Receptor (St John Road)

No glare found

117 - Route Receptor (Thomas Cecelia road)

No glare found

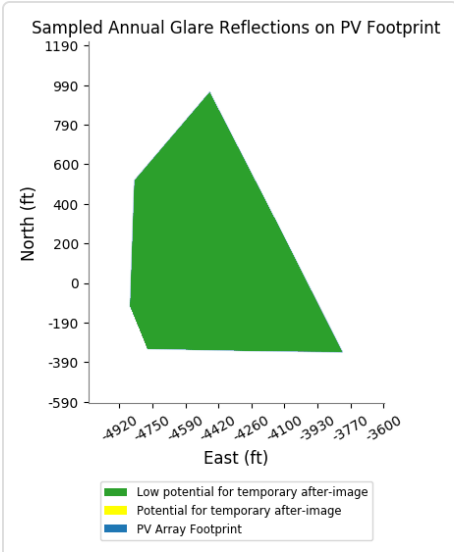
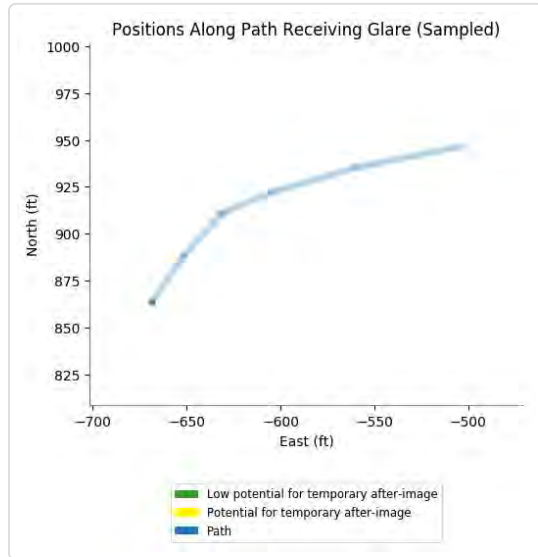
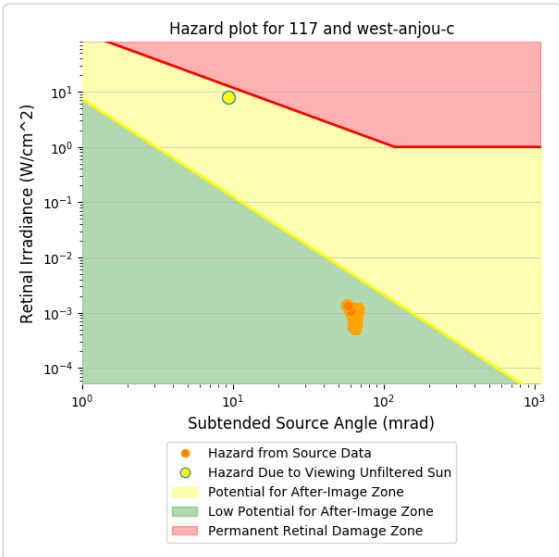
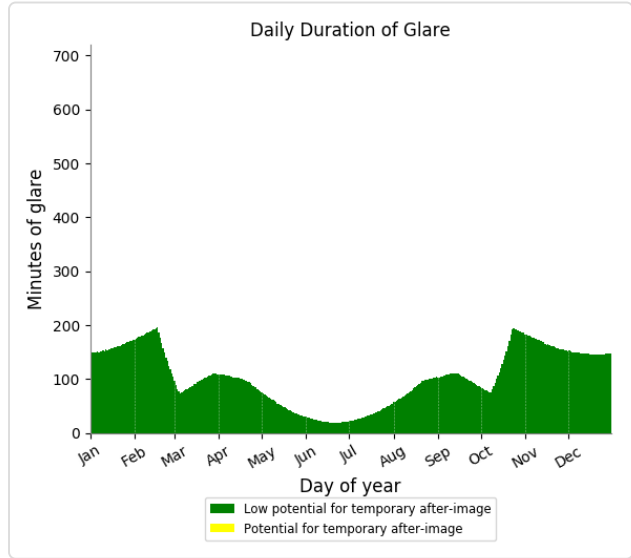
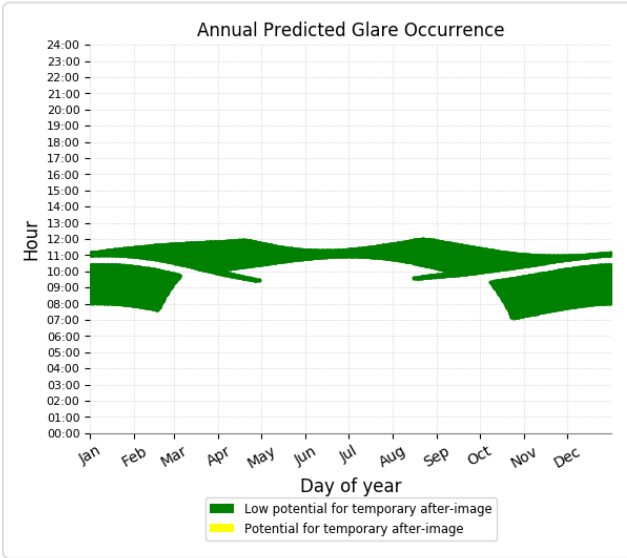
117 - Route Receptor (Thomas Road Braeburn Court)

No glare found

117 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 38,116 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



118 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	22124	0

118 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

118 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

118 - Receptor (Hornback Airstrip Northbound)

No glare found

118 - Receptor (Hornback Airstrip Southbound)

No glare found

118 - Receptor (Oz Airport NE Bound)

No glare found

118 - Receptor (Oz Airport SW Bound)

No glare found

118 - Receptor (Vine Grove Airport NW Bound)

No glare found

118 - Receptor (Vine Grove Airport SE Bound)

No glare found

118 - OP Receptor (OP 1)

No glare found

118 - OP Receptor (OP 2)

No glare found

118 - OP Receptor (OP 3)

No glare found

118 - OP Receptor (OP 4)

No glare found

118 - OP Receptor (OP 5)

No glare found

118 - OP Receptor (OP 6)

No glare found

118 - OP Receptor (OP 7)

No glare found

118 - OP Receptor (OP 8)

No glare found

118 - OP Receptor (OP 9)

No glare found

118 - OP Receptor (OP 10)

No glare found

118 - OP Receptor (OP 11)

No glare found

118 - OP Receptor (OP 12)

No glare found

118 - OP Receptor (OP 13)

No glare found

118 - OP Receptor (OP 14)

No glare found

118 - OP Receptor (OP 15)

No glare found

118 - OP Receptor (OP 16)

No glare found

118 - OP Receptor (OP 17)

No glare found

118 - OP Receptor (OP 18)

No glare found

118 - OP Receptor (OP 19)

No glare found

118 - OP Receptor (OP 20)

No glare found

118 - OP Receptor (OP 21)

No glare found

118 - OP Receptor (OP 22)

No glare found

118 - OP Receptor (OP 23)

No glare found

118 - OP Receptor (OP 24)

No glare found

118 - OP Receptor (OP 25)

No glare found

118 - OP Receptor (OP 26)

No glare found

118 - OP Receptor (OP 27)

No glare found

118 - OP Receptor (OP 28)

No glare found

118 - OP Receptor (OP 29)

No glare found

118 - OP Receptor (OP 30)

No glare found

118 - OP Receptor (OP 31)

No glare found

118 - OP Receptor (OP 32)

No glare found

118 - OP Receptor (OP 33)

No glare found

118 - OP Receptor (OP 34)

No glare found

118 - OP Receptor (OP 35)

No glare found

118 - OP Receptor (OP 36)

No glare found

118 - OP Receptor (OP 37)

No glare found

118 - OP Receptor (OP 38)

No glare found

118 - OP Receptor (OP 39)

No glare found

118 - OP Receptor (OP 40)

No glare found

118 - Route Receptor (Aiden Lane)

No glare found

118 - Route Receptor (Alcott Court Arden Court)

No glare found

118 - Route Receptor (Canton Road)

No glare found

118 - Route Receptor (Cecelia Road)

No glare found

118 - Route Receptor (Damson Trail)

No glare found

118 - Route Receptor (Goodman Lane)

No glare found

118 - Route Receptor (Hayden School Road)

No glare found

118 - Route Receptor (Hopewell Court Radford Court)

No glare found

118 - Route Receptor (Kitty Hawk Drive)

No glare found

118 - Route Receptor (St John Road)

No glare found

118 - Route Receptor (Thomas Cecelia road)

No glare found

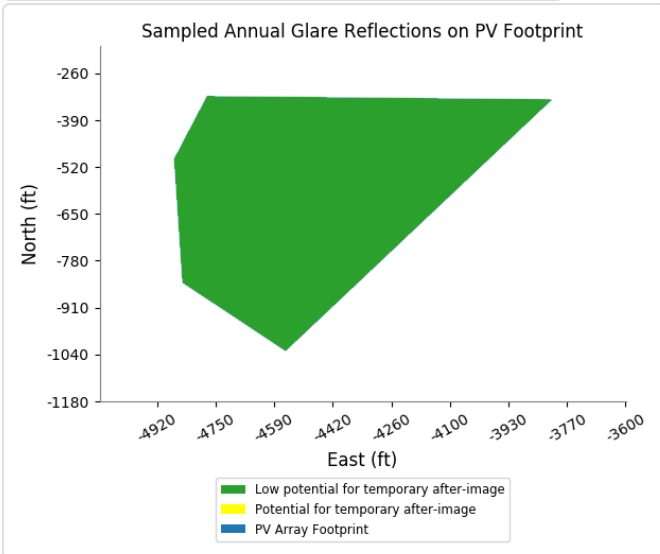
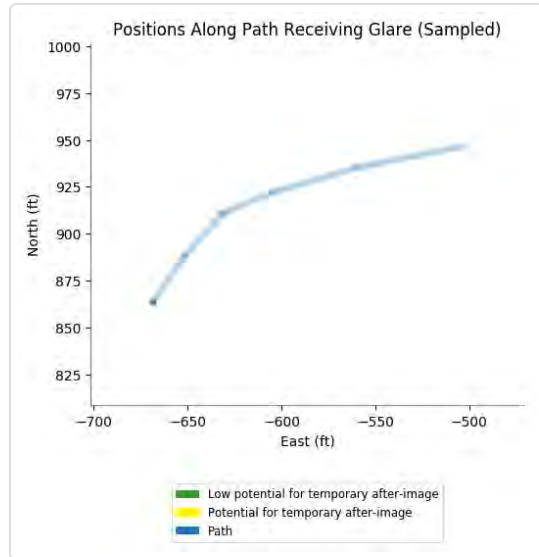
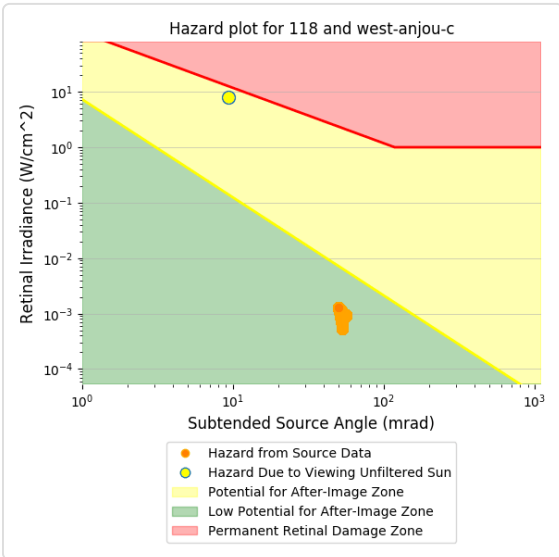
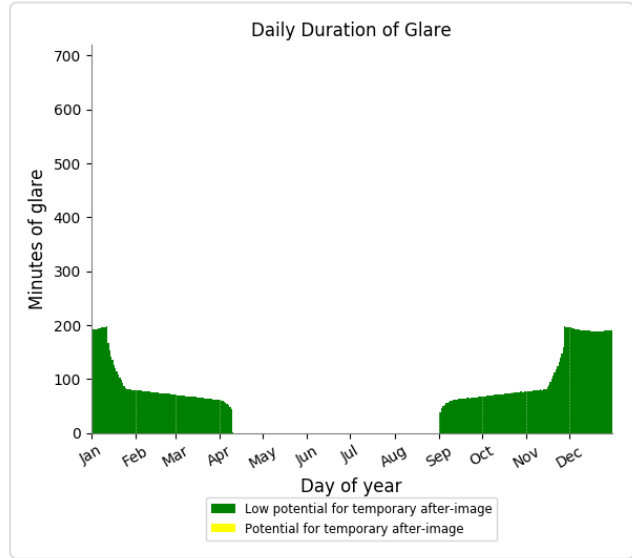
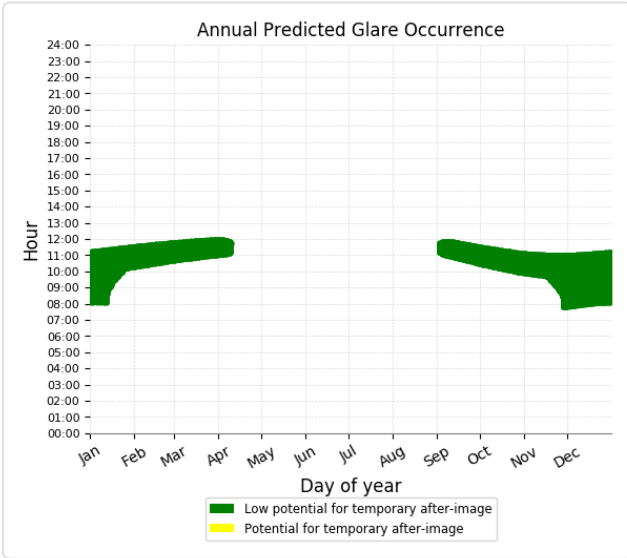
118 - Route Receptor (Thomas Road Braeburn Court)

No glare found

118 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 22,124 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not account for physical obstructions between reflectors and receptors. This includes buildings, tree cover and geographic obstructions
- Detailed system geometry is not rigorously simulated.
- The glare hazard determination relies on several approximations including observer eye characteristics, angle of view, and typical blink response time. Actual values and results may vary.
- The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.
- Several V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results for large PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare.
- The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)
- Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.
- Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
- Glare vector plots are simplified representations of analysis data. Actual glare emanations and results may differ.
- Refer to the **Help page** for detailed assumptions and limitations not listed here.

Telesto Solar

Block 1 4 ft pan 9 ft veh gp 2 houses

Created March 21, 2022
 Updated March 22, 2022
 Time-step 1 minute
 Timezone offset UTC-5
 Site ID 66459.11731

Project type Advanced
 Project status: active
 Category 100 to 500 kW

Misc. Analysis Settings

DNI: varies (1,000.0 W/m² peak)
 Ocular transmission coefficient: 0.5
 Pupil diameter: 0.002 m
 Eye focal length: 0.017 m
 Sun subtended angle: 9.3 mrad

Analysis Methodologies:

- Observation point: **Version 2**
- 2-Mile Flight Path: **Version 2**
- Route: **Version 2**

Summary of Results Glare with low potential for temporary after-image predicted

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced
	deg	deg	min	min	kWh
101	SA tracking	SA tracking	0	0	-
102	SA tracking	SA tracking	0	0	-
103	SA tracking	SA tracking	0	0	-
104	SA tracking	SA tracking	0	0	-
105	SA tracking	SA tracking	7,490	0	-
106	SA tracking	SA tracking	3,956	0	-
107	SA tracking	SA tracking	18,432	0	-
108	SA tracking	SA tracking	18,883	0	-
109	SA tracking	SA tracking	33,470	0	-
110	SA tracking	SA tracking	56,006	0	-
111	SA tracking	SA tracking	18,886	0	-
112	SA tracking	SA tracking	17,324	0	-
113	SA tracking	SA tracking	21,228	0	-
114	SA tracking	SA tracking	20,424	0	-
115	SA tracking	SA tracking	26,978	0	-
116	SA tracking	SA tracking	39,218	0	-
117	SA tracking	SA tracking	38,106	0	-
118	SA tracking	SA tracking	22,079	0	-

Component Data

PV Array(s)

Total PV footprint area: 176.7 acres

Name: 101
Footprint area: 3.4 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.687640	-85.932333	793.92	4.00	797.92
2	37.686804	-85.932269	773.47	4.00	777.47
3	37.685651	-85.933770	769.65	4.00	773.65
4	37.686528	-85.933861	777.64	4.00	781.64

Name: 102
Footprint area: 12.7 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.693775	-85.931505	802.78	4.00	806.78
2	37.693783	-85.931103	806.62	4.00	810.62
3	37.693393	-85.931103	805.37	4.00	809.37
4	37.693333	-85.930556	811.53	4.00	815.53
5	37.692989	-85.930041	811.25	4.00	815.25
6	37.692319	-85.930052	810.68	4.00	814.68
7	37.690084	-85.931859	804.90	4.00	808.90
8	37.690110	-85.932081	800.32	4.00	804.32
9	37.690737	-85.932608	797.62	4.00	801.62
10	37.692205	-85.932416	796.09	4.00	800.09
11	37.692964	-85.931601	805.77	4.00	809.77

Name: 103

Footprint area: 9.8 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.694067	-85.933919	808.24	4.00	812.24
2	37.694071	-85.933640	810.15	4.00	814.15
3	37.693328	-85.933544	800.70	4.00	804.70
4	37.692598	-85.933608	810.87	4.00	814.87
5	37.690446	-85.935180	799.11	4.00	803.11
6	37.691007	-85.935726	805.91	4.00	809.91
7	37.691840	-85.935853	808.86	4.00	812.87

Name: 104

Footprint area: 10.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.690444	-85.935182	799.14	4.00	803.14
2	37.689896	-85.935172	799.54	4.00	803.54
3	37.689877	-85.934922	795.55	4.00	799.55
4	37.690291	-85.934740	797.27	4.00	801.27
5	37.689934	-85.934249	795.31	4.00	799.31
6	37.689543	-85.934338	790.87	4.00	794.87
7	37.688953	-85.934434	789.93	4.00	793.93
8	37.688595	-85.933364	782.04	4.00	786.04
9	37.689189	-85.932975	788.12	4.00	792.12
10	37.689770	-85.932946	795.54	4.00	799.54
11	37.690403	-85.933675	798.81	4.00	802.81
12	37.691190	-85.933629	796.65	4.00	800.65
13	37.691841	-85.933297	798.82	4.00	802.82
14	37.692985	-85.933252	802.55	4.00	806.55
15	37.692594	-85.933611	810.96	4.00	814.97
16	37.691689	-85.934277	813.57	4.00	817.57

Name: 105

Footprint area: 1.3 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.689565	-85.937104	775.52	4.00	779.52
2	37.688869	-85.937122	769.20	4.00	773.20
3	37.688733	-85.937901	765.41	4.00	769.41
4	37.689363	-85.937926	772.87	4.00	776.87



Name: 106

Footprint area: 7.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.684724	-85.935089	757.03	4.00	761.03
2	37.685594	-85.935126	765.13	4.00	769.13
3	37.688074	-85.935469	786.59	4.00	790.59
4	37.688052	-85.936156	777.97	4.00	781.97
5	37.686346	-85.936113	774.41	4.00	778.41
6	37.684304	-85.936022	773.13	4.00	777.13



Name: 107

Footprint area: 23.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688468	-85.937052	768.87	4.00	772.87
2	37.684469	-85.936676	776.90	4.00	780.90
3	37.684087	-85.937266	764.74	4.00	768.74
4	37.685688	-85.940458	760.44	4.00	764.44
5	37.686465	-85.940480	757.44	4.00	761.45

Name: 108

Footprint area: 1.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.687923	-85.942682	746.01	4.00	750.02
2	37.687815	-85.942368	760.81	4.00	764.81
3	37.688176	-85.942371	750.83	4.00	754.83
4	37.688173	-85.942317	751.99	4.00	755.99
5	37.687796	-85.942314	762.20	4.00	766.21
6	37.687607	-85.941622	768.22	4.00	772.22
7	37.686947	-85.941647	748.74	4.00	752.74
8	37.687333	-85.942770	745.08	4.00	749.08

Name: 109

Footprint area: 8.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691419	-85.944527	768.69	4.00	772.69
2	37.691236	-85.943937	767.33	4.00	771.33
3	37.690031	-85.943980	757.24	4.00	761.24
4	37.689640	-85.943127	749.01	4.00	753.01
5	37.688515	-85.943159	749.94	4.00	753.94
6	37.688209	-85.943331	746.17	4.00	750.17
7	37.687972	-85.943744	744.48	4.00	748.48
8	37.688193	-85.944259	749.11	4.00	753.11
9	37.688846	-85.944254	754.05	4.00	758.05
10	37.689080	-85.944785	751.10	4.00	755.10
11	37.690574	-85.944940	762.10	4.00	766.10
12	37.690536	-85.944731	759.58	4.00	763.58

Name: 110

Footprint area: 6.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691245	-85.943948	767.33	4.00	771.33
2	37.691122	-85.943578	765.33	4.00	769.33
3	37.692637	-85.943296	766.81	4.00	770.81
4	37.694271	-85.942993	773.40	4.00	777.40
5	37.694331	-85.943701	783.11	4.00	787.11
6	37.694021	-85.943932	782.59	4.00	786.59
7	37.691419	-85.944527	768.69	4.00	772.69

Name: 111

Footprint area: 15.2 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

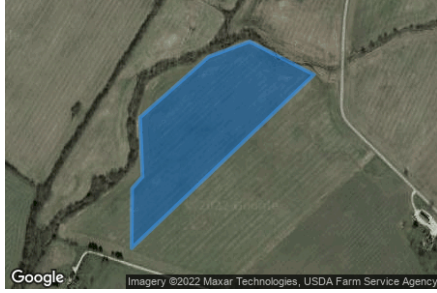
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685807	-85.945568	738.12	4.00	742.12
2	37.686872	-85.944044	742.46	4.00	746.46
3	37.687140	-85.943132	744.46	4.00	748.46
4	37.686558	-85.941706	749.30	4.00	753.30
5	37.683510	-85.945756	744.21	4.00	748.21
6	37.684559	-85.945745	737.82	4.00	741.82
7	37.684767	-85.945514	738.67	4.00	742.67

Name: 112

Footprint area: 16.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.686562	-85.941711	749.30	4.00	753.30
2	37.686571	-85.941561	748.53	4.00	752.53
3	37.686384	-85.941335	749.32	4.00	753.32
4	37.684805	-85.941233	758.23	4.00	762.23
5	37.683077	-85.943739	754.87	4.00	758.87
6	37.683510	-85.945782	744.22	4.00	748.22

Name: 113

Footprint area: 3.3 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692028	-85.951355	775.39	4.00	779.39
2	37.692890	-85.951242	786.66	4.00	790.66
3	37.693599	-85.950904	795.76	4.00	799.76
4	37.693590	-85.950277	795.30	4.00	799.30
5	37.691773	-85.950529	775.56	4.00	779.56



Name: 114

Footprint area: 2.0 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692661	-85.949874	773.91	4.00	777.91
2	37.693246	-85.949520	783.73	4.00	787.73
3	37.693255	-85.949177	784.03	4.00	788.03
4	37.691795	-85.949268	773.92	4.00	777.92
5	37.691816	-85.949874	767.55	4.00	771.55



Name: 115

Footprint area: 9.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.690733	-85.949692	764.64	4.00	768.64
2	37.692614	-85.948437	776.09	4.00	780.09
3	37.692627	-85.948308	776.60	4.00	780.60
4	37.691362	-85.947541	767.38	4.00	771.38
5	37.690627	-85.947578	762.77	4.00	766.77
6	37.689833	-85.948850	757.70	4.00	761.70
7	37.689876	-85.949515	757.21	4.00	761.21
8	37.690474	-85.949831	761.04	4.00	765.04

Name: 116

Footprint area: 16.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691485	-85.947160	769.39	4.00	773.39
2	37.691616	-85.946720	774.02	4.00	778.02
3	37.690738	-85.946688	764.60	4.00	768.60
4	37.690733	-85.946639	763.98	4.00	767.98
5	37.690186	-85.946307	759.56	4.00	763.56
6	37.689630	-85.945137	750.16	4.00	754.16
7	37.688517	-85.944778	752.98	4.00	756.98
8	37.688000	-85.944558	749.08	4.00	753.08
9	37.687409	-85.944504	742.72	4.00	746.72
10	37.686717	-85.945518	740.62	4.00	744.62
11	37.688315	-85.946556	759.35	4.00	763.35
12	37.689937	-85.947615	767.32	4.00	771.32
13	37.690233	-85.947783	763.44	4.00	767.44
14	37.690654	-85.947365	763.60	4.00	767.60

Name: 117

Footprint area: 18.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

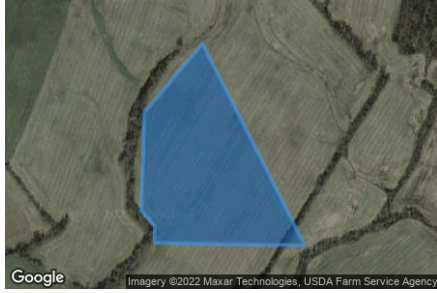
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.690238	-85.947789	763.20	4.00	767.20
2	37.689041	-85.949071	758.11	4.00	762.11
3	37.687321	-85.949146	749.45	4.00	753.45
4	37.687037	-85.948840	746.41	4.00	750.41
5	37.686748	-85.948851	746.50	4.00	750.50
6	37.686721	-85.947175	752.20	4.00	756.20
7	37.686701	-85.945520	740.01	4.00	744.01
8	37.688482	-85.946654	756.68	4.00	760.68

Name: 118

Footprint area: 10.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.686714	-85.945530	740.21	4.00	744.21
2	37.684791	-85.948095	745.54	4.00	749.54
3	37.685313	-85.949087	743.09	4.00	747.09
4	37.686260	-85.949167	746.31	4.00	750.31
5	37.686740	-85.948851	746.45	4.00	750.45

2-Mile Flight Path Receptor(s)

Name: Elizabethtown Regional Airport Runway 23
Description:
Threshold height : 50 ft
Direction: 225.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



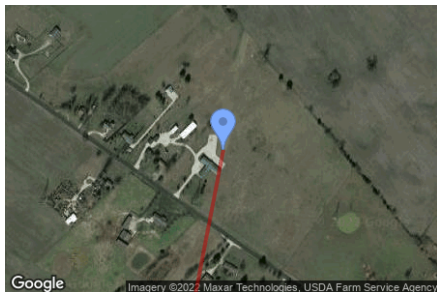
Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.691634	-85.917563	769.91	50.00	819.91
2-mile point	37.711924	-85.891503	745.53	627.83	1373.37

Name: Elizabethtown Regional Airport Runway 5
Description:
Threshold height : 50 ft
Direction: 49.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.680407	-85.932519	751.25	50.00	801.26
2-mile point	37.661653	-85.960355	690.06	664.65	1354.71

Name: Hornback Airstrip Northbound
Description:
Threshold height : 50 ft
Direction: 11.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.620818	-85.791738	782.24	50.00	832.24
2-mile point	37.592433	-85.798686	723.03	662.67	1385.70

Name: Hornback Airstrip Southbound
Description:
Threshold height : 50 ft
Direction: 194.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.625076	-85.790590	733.51	50.00	783.52
2-mile point	37.653055	-85.781377	827.86	509.11	1336.97

Name: Oz Airport NE Bound
Description:
Threshold height : 50 ft
Direction: 313.3 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.652149	-85.809356	834.93	50.00	884.94
2-mile point	37.632309	-85.782761	773.96	664.43	1438.39

Name: Oz Airport SW Bound
Description:
Threshold height : 50 ft
Direction: 140.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.658203	-85.816375	817.66	50.00	867.66
2-mile point	37.680468	-85.839701	791.67	629.45	1421.12

Name: Vine Grove Airport NW Bound

Description:

Threshold height : 50 ft

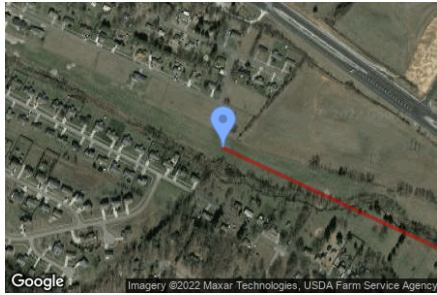
Direction: 294.9 deg

Glide slope: 3.0 deg

Pilot view restricted? Yes

Vertical view restriction: 30.0 deg

Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.814237	-85.961318	684.17	50.00	734.17
2-mile point	37.802059	-85.928086	754.23	533.39	1287.62

Name: Vine Grove Airport SE Bound

Description:

Threshold height : 50 ft

Direction: 117.6 deg

Glide slope: 3.0 deg

Pilot view restricted? Yes

Vertical view restriction: 30.0 deg

Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.816483	-85.967294	676.33	50.00	726.33
2-mile point	37.829855	-85.999781	668.90	610.89	1279.79

Route Receptor(s)

Name: Aiden Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.695693	-85.925773	797.79	9.00	806.79
2	37.694767	-85.926696	806.53	9.00	815.53
3	37.693664	-85.927736	791.96	9.00	800.96
4	37.693163	-85.928305	792.44	9.00	801.44
5	37.693112	-85.928380	794.16	9.00	803.16
6	37.692526	-85.928026	791.22	9.00	800.22
7	37.692322	-85.927940	792.92	9.00	801.92
8	37.691244	-85.928015	789.79	9.00	798.79
9	37.690973	-85.928283	783.04	9.00	792.04
10	37.690124	-85.929442	783.68	9.00	792.68
11	37.689741	-85.929764	785.75	9.00	794.75
12	37.688875	-85.928755	775.45	9.00	784.45

Name: Alcott Court Arden Court
Route type: Two-way
View angle: 50.0 deg



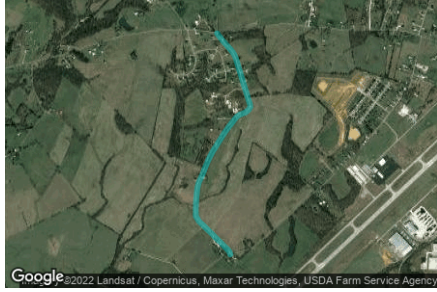
Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.693019	-85.927157	795.31	9.00	804.32
2	37.693613	-85.926556	799.43	9.00	808.43
3	37.694385	-85.925848	798.49	9.00	807.49
4	37.695158	-85.925108	789.46	9.00	798.46
5	37.695438	-85.924839	785.25	9.00	794.26

Name: Canton Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.694835	-85.926610	808.38	9.00	817.38
2	37.694385	-85.925827	798.12	9.00	807.12
3	37.693689	-85.924721	788.30	9.00	797.30
4	37.693197	-85.923852	775.38	9.00	784.38

Name: Cecelia Road
Route type: Two-way
View angle: 50.0 deg



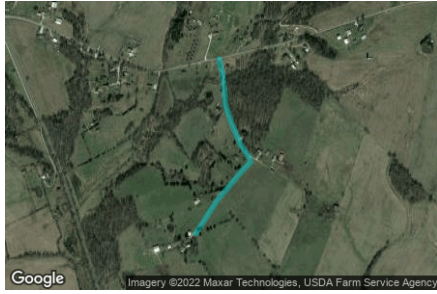
Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.698822	-85.939183	833.50	9.00	842.50
2	37.698321	-85.938711	826.58	9.00	835.58
3	37.697659	-85.937960	825.48	9.00	834.48
4	37.697332	-85.937670	823.31	9.00	832.31
5	37.697073	-85.937525	821.58	9.00	830.58
6	37.695668	-85.936994	817.19	9.00	826.19
7	37.694191	-85.936415	825.18	9.00	834.18
8	37.693809	-85.936259	826.50	9.00	835.50
9	37.693609	-85.936243	826.66	9.00	835.66
10	37.693427	-85.936383	824.24	9.00	833.25
11	37.693236	-85.936689	821.68	9.00	830.68
12	37.693087	-85.937171	823.65	9.00	832.65
13	37.692956	-85.937429	822.72	9.00	831.72
14	37.692259	-85.938121	819.44	9.00	828.44
15	37.691729	-85.938593	813.69	9.00	822.69
16	37.691139	-85.939060	804.52	9.00	813.52
17	37.690523	-85.939548	795.99	9.00	804.99
18	37.690035	-85.939880	791.73	9.00	800.73
19	37.689356	-85.940245	784.66	9.00	793.66
20	37.688842	-85.940497	785.64	9.00	794.64
21	37.688324	-85.940803	770.22	9.00	779.22
22	37.687921	-85.940937	763.11	9.00	772.11
23	37.687201	-85.941034	755.74	9.00	764.74
24	37.686473	-85.941077	751.76	9.00	760.77
25	37.685926	-85.941071	757.26	9.00	766.26
26	37.685565	-85.940792	761.30	9.00	770.30
27	37.684788	-85.939773	760.35	9.00	769.35
28	37.684177	-85.939017	767.15	9.00	776.15
29	37.683795	-85.938523	765.05	9.00	774.05
30	37.683480	-85.938132	759.66	9.00	768.67
31	37.683238	-85.938008	758.76	9.00	767.76

Name: Damson Trail
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.697399	-85.941169	814.31	9.00	823.31
2	37.697586	-85.940321	806.56	9.00	815.56
3	37.697688	-85.939581	816.05	9.00	825.05
4	37.697560	-85.939066	813.73	9.00	822.73
5	37.697314	-85.938787	811.13	9.00	820.13
6	37.696571	-85.938556	809.91	9.00	818.91
7	37.696117	-85.938433	810.90	9.00	819.90

Name: Goodman Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.696730	-85.955781	757.93	9.00	766.93
2	37.696212	-85.955641	749.09	9.00	758.10
3	37.695567	-85.955545	755.60	9.00	764.60
4	37.695100	-85.955502	764.15	9.00	773.16
5	37.694446	-85.955223	777.53	9.00	786.53
6	37.693733	-85.954848	801.08	9.00	810.08
7	37.693292	-85.954472	808.08	9.00	817.08
8	37.693105	-85.954386	805.20	9.00	814.20
9	37.692816	-85.954740	803.47	9.00	812.47
10	37.692146	-85.955459	802.39	9.00	811.39
11	37.691764	-85.955867	801.25	9.00	810.25
12	37.690592	-85.956822	785.72	9.00	794.72

Name: Hayden School Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.677893	-85.946307	754.79	9.00	763.79
2	37.678674	-85.945138	768.63	9.00	777.63
3	37.679795	-85.943507	753.42	9.00	762.42
4	37.681103	-85.941576	755.61	9.00	764.61
5	37.682113	-85.940116	776.74	9.00	785.74
6	37.682793	-85.939087	763.42	9.00	772.42
7	37.683098	-85.938604	765.04	9.00	774.05
8	37.683260	-85.938014	758.32	9.00	767.32
9	37.683429	-85.937112	758.77	9.00	767.77
10	37.683540	-85.936447	765.86	9.00	774.86
11	37.683650	-85.936050	768.95	9.00	777.95
12	37.683854	-85.935696	767.94	9.00	776.94
13	37.685077	-85.933926	756.15	9.00	765.15
14	37.687286	-85.930871	776.58	9.00	785.58
15	37.689564	-85.927752	768.00	9.00	777.00
16	37.690619	-85.926370	778.56	9.00	787.56
17	37.691214	-85.925703	787.76	9.00	796.76
18	37.692691	-85.924285	778.43	9.00	787.43
19	37.694798	-85.922264	770.80	9.00	779.80

Name: Hopewell Court Radford Court
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692501	-85.926481	791.65	9.00	800.65
2	37.693307	-85.925698	785.59	9.00	794.59
3	37.694165	-85.924861	791.70	9.00	800.70
4	37.695124	-85.923928	778.87	9.00	787.87

Name: Kitty Hawk Drive
Route type Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692618	-85.924376	779.14	9.00	788.15
2	37.691904	-85.923625	770.82	9.00	779.82
3	37.691565	-85.923196	772.85	9.00	781.85
4	37.691242	-85.923174	777.94	9.00	786.94
5	37.691853	-85.922230	773.71	9.00	782.72
6	37.693229	-85.920449	765.64	9.00	774.64
7	37.694146	-85.919205	759.18	9.00	768.18
8	37.694638	-85.918475	756.37	9.00	765.37
9	37.694757	-85.917917	754.37	9.00	763.38
10	37.694774	-85.917424	752.06	9.00	761.06
11	37.694180	-85.914699	737.10	9.00	746.10
12	37.693840	-85.913003	731.15	9.00	740.15
13	37.693534	-85.911759	727.17	9.00	736.17

Name: St John Road
Route type Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.696404	-85.959508	769.81	9.00	778.81
2	37.696285	-85.958907	757.90	9.00	766.90
3	37.696277	-85.958489	752.63	9.00	761.63
4	37.696642	-85.956365	759.00	9.00	768.00
5	37.697058	-85.954165	755.86	9.00	764.86
6	37.697508	-85.951987	773.93	9.00	782.93
7	37.698110	-85.949616	797.45	9.00	806.45
8	37.698590	-85.947670	810.71	9.00	819.71
9	37.698780	-85.946453	811.00	9.00	820.00
10	37.699026	-85.943847	819.36	9.00	828.36
11	37.699059	-85.942240	806.46	9.00	815.46
12	37.699006	-85.940679	821.09	9.00	830.09
13	37.698811	-85.938806	835.72	9.00	844.72
14	37.698905	-85.937792	815.95	9.00	824.95
15	37.699212	-85.935291	794.15	9.00	803.15
16	37.699486	-85.933100	771.48	9.00	780.48
17	37.699473	-85.932537	762.72	9.00	771.72
18	37.699261	-85.930876	777.94	9.00	786.94
19	37.699143	-85.929054	801.28	9.00	810.28
20	37.698991	-85.927000	778.10	9.00	787.10
21	37.699044	-85.923985	766.70	9.00	775.70

Name: Thomas Cecelia road
Route type Two-way
View angle: 50.0 deg

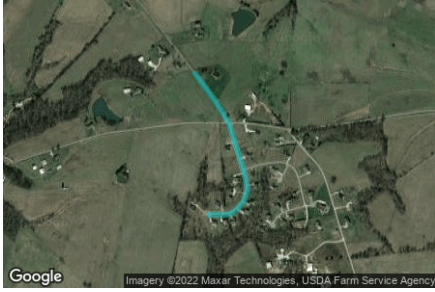


Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.678353	-85.945791	760.40	9.00	769.40
2	37.678778	-85.946005	760.49	9.00	769.49
3	37.679542	-85.947057	757.98	9.00	766.98
4	37.680476	-85.948323	754.72	9.00	763.72
5	37.681071	-85.949439	726.64	9.00	735.64
6	37.681240	-85.949996	727.39	9.00	736.39

Name: Thomas Road Braeburn Court

Route type: Two-way

View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.700803	-85.943336	834.13	9.00	843.13
2	37.699844	-85.942435	815.90	9.00	824.90
3	37.699097	-85.941845	810.08	9.00	819.08
4	37.698095	-85.941448	811.46	9.00	820.46
5	37.697323	-85.941147	815.09	9.00	824.09
6	37.696712	-85.941008	808.99	9.00	817.99
7	37.696313	-85.941169	799.74	9.00	808.74
8	37.695973	-85.941534	801.30	9.00	810.30
9	37.695854	-85.941812	800.69	9.00	809.69
10	37.695837	-85.942381	791.56	9.00	800.56
11	37.695837	-85.942692	786.56	9.00	795.56

Name: West Anjou Court

Route type: Two-way

View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.695421	-85.939913	5803.51	9.00	5812.51
2	37.695642	-85.939720	802.24	9.00	811.24
3	37.695846	-85.939495	806.96	9.00	815.96
4	37.695947	-85.939195	811.99	9.00	820.99
5	37.696066	-85.938680	811.22	9.00	820.22
6	37.696168	-85.938047	809.11	9.00	818.11

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	ft	ft	ft
OP 1	37.709227	-85.876066	769.34	500.02	1269.37
OP 2	37.688570	-85.930281	781.66	25.00	806.66
OP 3	37.688782	-85.930045	782.00	25.00	807.00
OP 4	37.689011	-85.929755	783.26	25.00	808.26
OP 5	37.689241	-85.929551	786.58	25.00	811.59
OP 6	37.689351	-85.928811	781.25	25.00	806.25
OP 7	37.689521	-85.928468	777.89	25.00	802.90
OP 8	37.689725	-85.928210	779.55	25.00	804.55
OP 9	37.689860	-85.928039	778.35	25.00	803.35
OP 10	37.690047	-85.927738	782.78	25.00	807.79
OP 11	37.690242	-85.927449	782.52	25.00	807.52
OP 12	37.691117	-85.926247	783.51	25.00	808.51
OP 13	37.691346	-85.926022	786.65	25.00	811.65
OP 14	37.691635	-85.925775	792.88	25.00	817.88
OP 15	37.692229	-85.926247	790.16	25.00	815.16
OP 16	37.692611	-85.926794	789.36	25.00	814.36
OP 17	37.692738	-85.927062	790.41	25.00	815.41
OP 18	37.692857	-85.927395	789.25	25.00	814.25
OP 19	37.693103	-85.927599	788.65	25.00	813.65
OP 20	37.693333	-85.927288	796.92	25.00	821.93
OP 21	37.693503	-85.927095	801.23	25.00	826.23
OP 22	37.693706	-85.926912	804.63	25.00	829.63
OP 23	37.693859	-85.926708	805.28	25.00	830.28
OP 24	37.682895	-85.947041	740.24	25.00	765.24
OP 25	37.698944	-85.947989	811.75	25.00	836.75
OP 26	37.700146	-85.945875	827.90	25.00	852.90
OP 27	37.697849	-85.949496	801.59	25.00	826.59
OP 28	37.700719	-85.942399	829.89	25.00	854.89
OP 29	37.702094	-85.943118	834.97	25.00	859.97
OP 30	37.701105	-85.944056	838.69	25.00	863.69
OP 31	37.695587	-85.936584	816.63	25.00	841.63
OP 32	37.696462	-85.936841	817.54	25.00	842.54
OP 33	37.698253	-85.938183	830.34	25.00	855.34
OP 34	37.698507	-85.939674	824.80	25.00	849.80
OP 35	37.699475	-85.928988	804.16	25.00	829.16
OP 36	37.699611	-85.931391	768.98	25.00	793.98
OP 37	37.699484	-85.930715	782.99	25.00	807.99
OP 38	37.699280	-85.927926	796.57	25.00	821.57
OP 39	37.699390	-85.927164	789.71	25.00	814.71
OP 40	37.699348	-85.926241	775.90	25.00	800.91

Summary of PV Glare Analysis

PV configuration and total predicted glare

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced	Data File
	deg	deg	min	min	kWh	
101	SA tracking	SA tracking	0	0	-	
102	SA tracking	SA tracking	0	0	-	
103	SA tracking	SA tracking	0	0	-	
104	SA tracking	SA tracking	0	0	-	
105	SA tracking	SA tracking	7,490	0	-	
106	SA tracking	SA tracking	3,956	0	-	
107	SA tracking	SA tracking	18,432	0	-	
108	SA tracking	SA tracking	18,883	0	-	
109	SA tracking	SA tracking	33,470	0	-	
110	SA tracking	SA tracking	56,006	0	-	
111	SA tracking	SA tracking	18,886	0	-	
112	SA tracking	SA tracking	17,324	0	-	
113	SA tracking	SA tracking	21,228	0	-	
114	SA tracking	SA tracking	20,424	0	-	
115	SA tracking	SA tracking	26,978	0	-	
116	SA tracking	SA tracking	39,218	0	-	
117	SA tracking	SA tracking	38,106	0	-	
118	SA tracking	SA tracking	22,079	0	-	

Distinct glare per month

Excludes overlapping glare from PV array for multiple receptors at matching time(s)

PV	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
105 (green)	1104	885	826	532	0	0	0	288	746	931	1036	1142
105 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
106 (green)	773	617	311	0	0	0	0	0	125	602	727	801
106 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
107 (green)	2900	2309	2100	866	0	0	0	306	1828	2408	2721	2994
107 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
108 (green)	1876	1616	1676	1475	1334	1154	1284	1443	1582	1747	1797	1899
108 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
109 (green)	5844	3042	2839	2053	605	0	159	1662	2551	3199	4705	6811
109 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
110 (green)	6353	7111	6379	3801	1892	600	1337	3071	5309	7788	6541	5824
110 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
111 (green)	2913	2331	2186	970	0	0	0	320	1981	2434	2736	3015
111 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
112 (green)	2713	2227	2143	605	0	0	0	142	1759	2361	2567	2807
112 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
113 (green)	0	596	3911	3123	2173	1144	1659	2933	3786	1903	0	0
113 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
114 (green)	0	924	3779	2694	2028	1103	1583	2629	3268	2416	0	0
114 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
115 (green)	1061	4206	4143	2743	1313	22	619	2424	3289	5017	2141	0
115 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
116 (green)	6944	5344	3690	1373	0	0	0	595	2913	4850	6952	6557
116 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
117 (green)	4907	4700	2903	2948	1555	657	1095	2573	3079	4112	5003	4574
117 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
118 (green)	4341	2114	2043	502	0	0	0	0	1761	2239	3164	5915
118 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0

PV & Receptor Analysis Results

Results for each PV array and receptor

101 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

102 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

103 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

104 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

105 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0

OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	7490	0

105 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

105 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

105 - Receptor (Hornback Airstrip Northbound)

No glare found

105 - Receptor (Hornback Airstrip Southbound)

No glare found

105 - Receptor (Oz Airport NE Bound)

No glare found

105 - Receptor (Oz Airport SW Bound)

No glare found

105 - Receptor (Vine Grove Airport NW Bound)

No glare found

105 - Receptor (Vine Grove Airport SE Bound)

No glare found

105 - OP Receptor (OP 1)

No glare found

105 - OP Receptor (OP 2)

No glare found

105 - OP Receptor (OP 3)

No glare found

105 - OP Receptor (OP 4)

No glare found

105 - OP Receptor (OP 5)

No glare found

105 - OP Receptor (OP 6)

No glare found

105 - OP Receptor (OP 7)

No glare found

105 - OP Receptor (OP 8)

No glare found

105 - OP Receptor (OP 9)

No glare found

105 - OP Receptor (OP 10)

No glare found

105 - OP Receptor (OP 11)

No glare found

105 - OP Receptor (OP 12)

No glare found

105 - OP Receptor (OP 13)

No glare found

105 - OP Receptor (OP 14)

No glare found

105 - OP Receptor (OP 15)

No glare found

105 - OP Receptor (OP 16)

No glare found

105 - OP Receptor (OP 17)

No glare found

105 - OP Receptor (OP 18)

No glare found

105 - OP Receptor (OP 19)

No glare found

105 - OP Receptor (OP 20)

No glare found

105 - OP Receptor (OP 21)

No glare found

105 - OP Receptor (OP 22)

No glare found

105 - OP Receptor (OP 23)

No glare found

105 - OP Receptor (OP 24)

No glare found

105 - OP Receptor (OP 25)

No glare found

105 - OP Receptor (OP 26)

No glare found

105 - OP Receptor (OP 27)

No glare found

105 - OP Receptor (OP 28)

No glare found

105 - OP Receptor (OP 29)

No glare found

105 - OP Receptor (OP 30)

No glare found

105 - OP Receptor (OP 31)

No glare found

105 - OP Receptor (OP 32)

No glare found

105 - OP Receptor (OP 33)

No glare found

105 - OP Receptor (OP 34)

No glare found

105 - OP Receptor (OP 35)

No glare found

105 - OP Receptor (OP 36)

No glare found

105 - OP Receptor (OP 37)

No glare found

105 - OP Receptor (OP 38)

No glare found

105 - OP Receptor (OP 39)

No glare found

105 - OP Receptor (OP 40)

No glare found

105 - Route Receptor (Aiden Lane)

No glare found

105 - Route Receptor (Alcott Court Arden Court)

No glare found

105 - Route Receptor (Canton Road)

No glare found

105 - Route Receptor (Cecelia Road)

No glare found

105 - Route Receptor (Damson Trail)

No glare found

105 - Route Receptor (Goodman Lane)

No glare found

105 - Route Receptor (Hayden School Road)

No glare found

105 - Route Receptor (Hopewell Court Radford Court)

No glare found

105 - Route Receptor (Kitty Hawk Drive)

No glare found

105 - Route Receptor (St John Road)

No glare found

105 - Route Receptor (Thomas Cecelia road)

No glare found

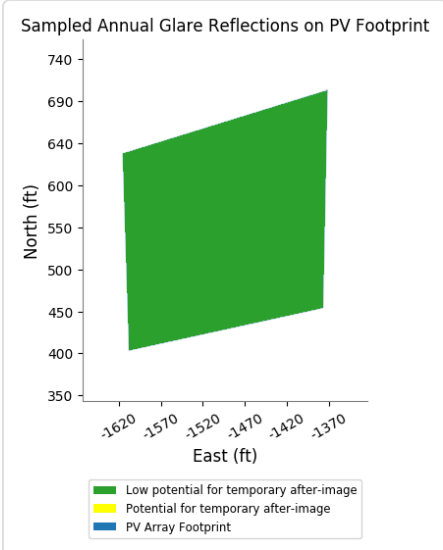
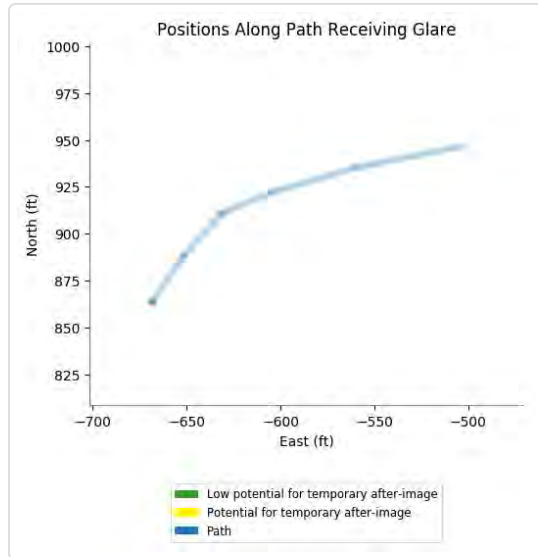
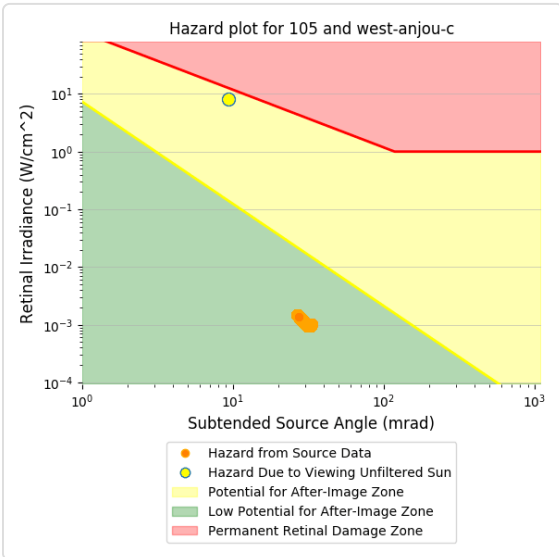
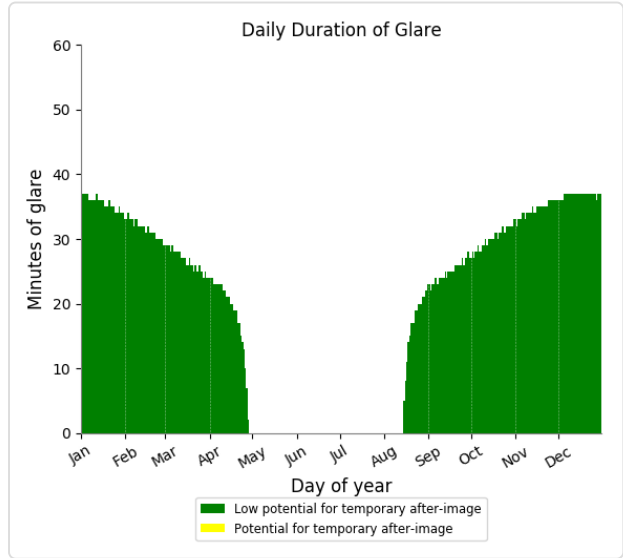
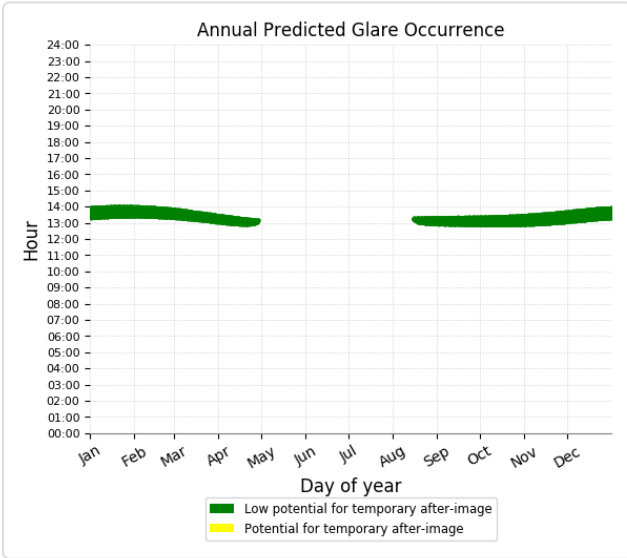
105 - Route Receptor (Thomas Road Braeburn Court)

No glare found

105 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 7,490 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	3956	0

106 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

106 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

106 - Receptor (Hornback Airstrip Northbound)

No glare found

106 - Receptor (Hornback Airstrip Southbound)

No glare found

106 - Receptor (Oz Airport NE Bound)

No glare found

106 - Receptor (Oz Airport SW Bound)

No glare found

106 - Receptor (Vine Grove Airport NW Bound)

No glare found

106 - Receptor (Vine Grove Airport SE Bound)

No glare found

106 - OP Receptor (OP 1)

No glare found

106 - OP Receptor (OP 2)

No glare found

106 - OP Receptor (OP 3)

No glare found

106 - OP Receptor (OP 4)

No glare found

106 - OP Receptor (OP 5)

No glare found

106 - OP Receptor (OP 6)

No glare found

106 - OP Receptor (OP 7)

No glare found

106 - OP Receptor (OP 8)

No glare found

106 - OP Receptor (OP 9)

No glare found

106 - OP Receptor (OP 10)

No glare found

106 - OP Receptor (OP 11)

No glare found

106 - OP Receptor (OP 12)

No glare found

106 - OP Receptor (OP 13)

No glare found

106 - OP Receptor (OP 14)

No glare found

106 - OP Receptor (OP 15)

No glare found

106 - OP Receptor (OP 16)

No glare found

106 - OP Receptor (OP 17)

No glare found

106 - OP Receptor (OP 18)

No glare found

106 - OP Receptor (OP 19)

No glare found

106 - OP Receptor (OP 20)

No glare found

106 - OP Receptor (OP 21)

No glare found

106 - OP Receptor (OP 22)

No glare found

106 - OP Receptor (OP 23)

No glare found

106 - OP Receptor (OP 24)

No glare found

106 - OP Receptor (OP 25)

No glare found

106 - OP Receptor (OP 26)

No glare found

106 - OP Receptor (OP 27)

No glare found

106 - OP Receptor (OP 28)

No glare found

106 - OP Receptor (OP 29)

No glare found

106 - OP Receptor (OP 30)

No glare found

106 - OP Receptor (OP 31)

No glare found

106 - OP Receptor (OP 32)

No glare found

106 - OP Receptor (OP 33)

No glare found

106 - OP Receptor (OP 34)

No glare found

106 - OP Receptor (OP 35)

No glare found

106 - OP Receptor (OP 36)

No glare found

106 - OP Receptor (OP 37)

No glare found

106 - OP Receptor (OP 38)

No glare found

106 - OP Receptor (OP 39)

No glare found

106 - OP Receptor (OP 40)

No glare found

106 - Route Receptor (Aiden Lane)

No glare found

106 - Route Receptor (Alcott Court Arden Court)

No glare found

106 - Route Receptor (Canton Road)

No glare found

106 - Route Receptor (Cecelia Road)

No glare found

106 - Route Receptor (Damson Trail)

No glare found

106 - Route Receptor (Goodman Lane)

No glare found

106 - Route Receptor (Hayden School Road)

No glare found

106 - Route Receptor (Hopewell Court Radford Court)

No glare found

106 - Route Receptor (Kitty Hawk Drive)

No glare found

106 - Route Receptor (St John Road)

No glare found

106 - Route Receptor (Thomas Cecelia road)

No glare found

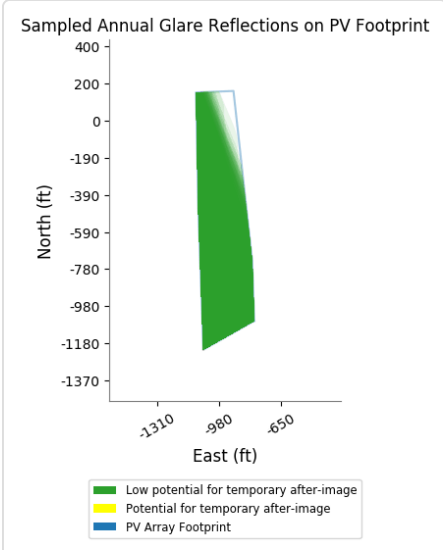
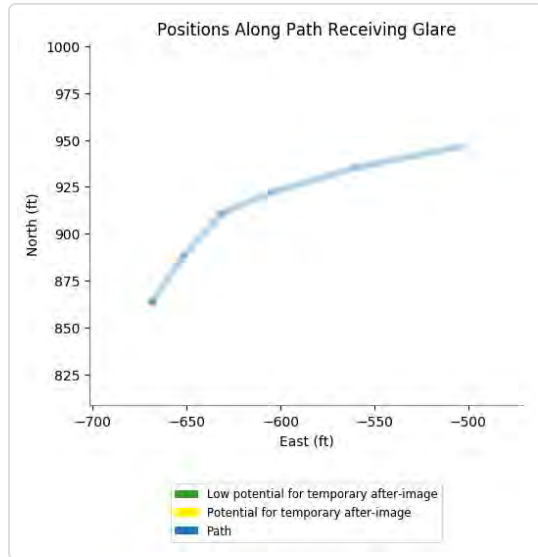
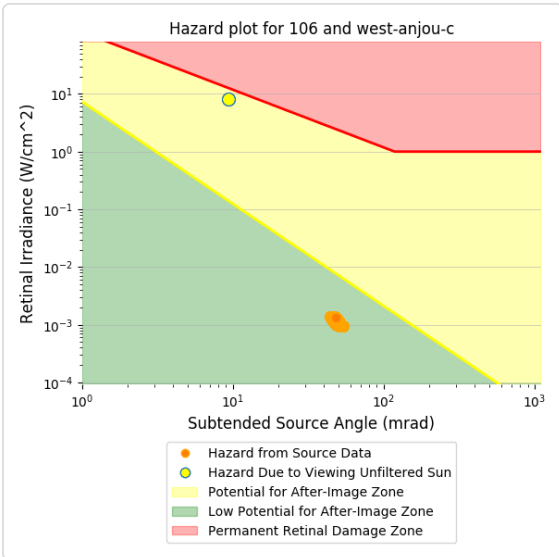
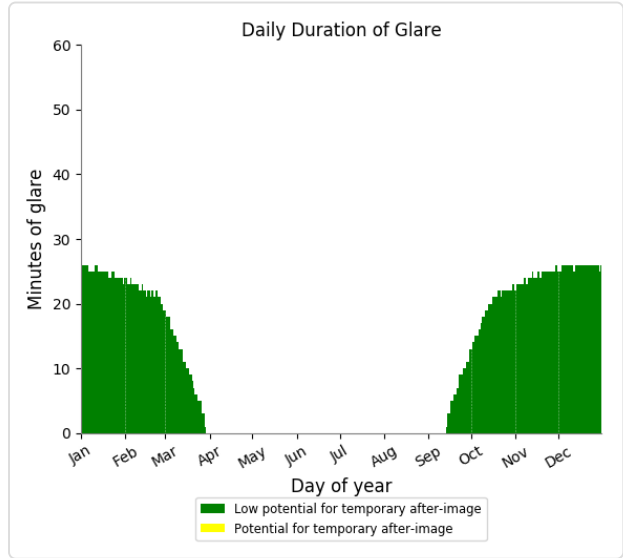
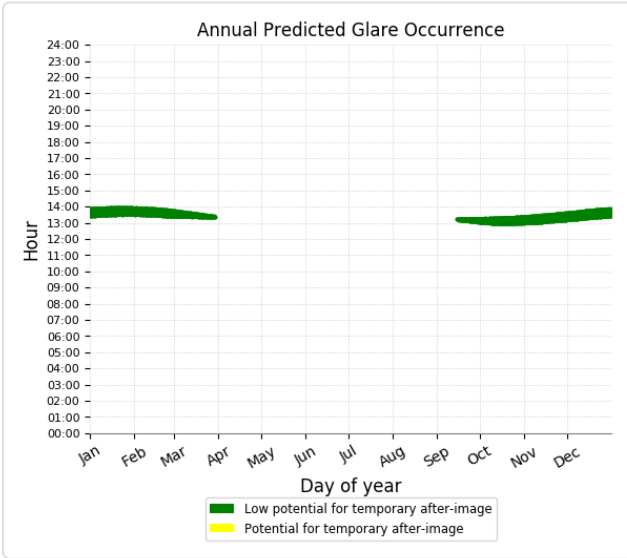
106 - Route Receptor (Thomas Road Braeburn Court)

No glare found

106 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 3,956 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	18432	0

107 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

107 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

107 - Receptor (Hornback Airstrip Northbound)

No glare found

107 - Receptor (Hornback Airstrip Southbound)

No glare found

107 - Receptor (Oz Airport NE Bound)

No glare found

107 - Receptor (Oz Airport SW Bound)

No glare found

107 - Receptor (Vine Grove Airport NW Bound)

No glare found

107 - Receptor (Vine Grove Airport SE Bound)

No glare found

107 - OP Receptor (OP 1)

No glare found

107 - OP Receptor (OP 2)

No glare found

107 - OP Receptor (OP 3)

No glare found

107 - OP Receptor (OP 4)

No glare found

107 - OP Receptor (OP 5)

No glare found

107 - OP Receptor (OP 6)

No glare found

107 - OP Receptor (OP 7)

No glare found

107 - OP Receptor (OP 8)

No glare found

107 - OP Receptor (OP 9)

No glare found

107 - OP Receptor (OP 10)

No glare found

107 - OP Receptor (OP 11)

No glare found

107 - OP Receptor (OP 12)

No glare found

107 - OP Receptor (OP 13)

No glare found

107 - OP Receptor (OP 14)

No glare found

107 - OP Receptor (OP 15)

No glare found

107 - OP Receptor (OP 16)

No glare found

107 - OP Receptor (OP 17)

No glare found

107 - OP Receptor (OP 18)

No glare found

107 - OP Receptor (OP 19)

No glare found

107 - OP Receptor (OP 20)

No glare found

107 - OP Receptor (OP 21)

No glare found

107 - OP Receptor (OP 22)

No glare found

107 - OP Receptor (OP 23)

No glare found

107 - OP Receptor (OP 24)

No glare found

107 - OP Receptor (OP 25)

No glare found

107 - OP Receptor (OP 26)

No glare found

107 - OP Receptor (OP 27)

No glare found

107 - OP Receptor (OP 28)

No glare found

107 - OP Receptor (OP 29)

No glare found

107 - OP Receptor (OP 30)

No glare found

107 - OP Receptor (OP 31)

No glare found

107 - OP Receptor (OP 32)

No glare found

107 - OP Receptor (OP 33)

No glare found

107 - OP Receptor (OP 34)

No glare found

107 - OP Receptor (OP 35)

No glare found

107 - OP Receptor (OP 36)

No glare found

107 - OP Receptor (OP 37)

No glare found

107 - OP Receptor (OP 38)

No glare found

107 - OP Receptor (OP 39)

No glare found

107 - OP Receptor (OP 40)

No glare found

107 - Route Receptor (Aiden Lane)

No glare found

107 - Route Receptor (Alcott Court Arden Court)

No glare found

107 - Route Receptor (Canton Road)

No glare found

107 - Route Receptor (Cecelia Road)

No glare found

107 - Route Receptor (Damson Trail)

No glare found

107 - Route Receptor (Goodman Lane)

No glare found

107 - Route Receptor (Hayden School Road)

No glare found

107 - Route Receptor (Hopewell Court Radford Court)

No glare found

107 - Route Receptor (Kitty Hawk Drive)

No glare found

107 - Route Receptor (St John Road)

No glare found

107 - Route Receptor (Thomas Cecelia road)

No glare found

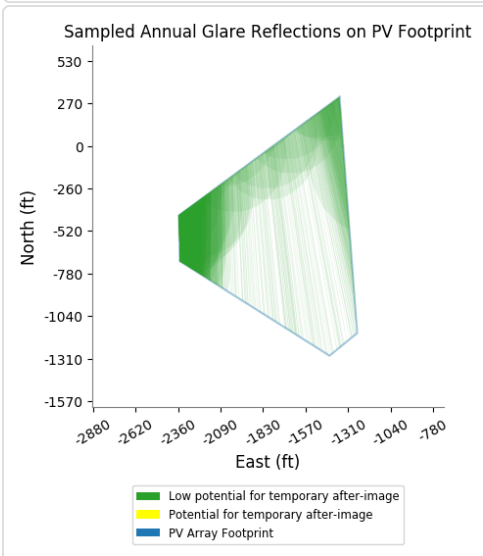
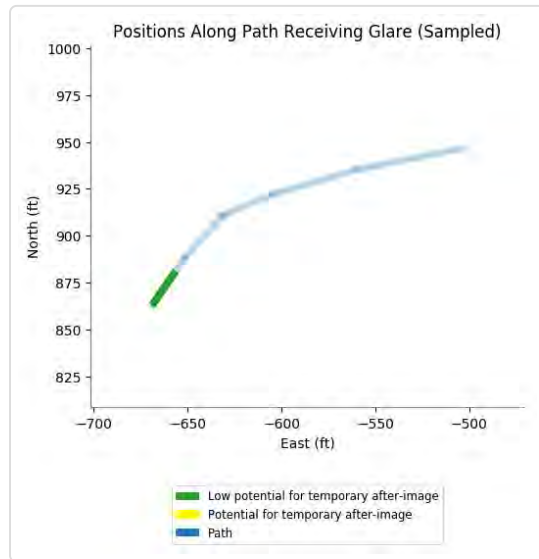
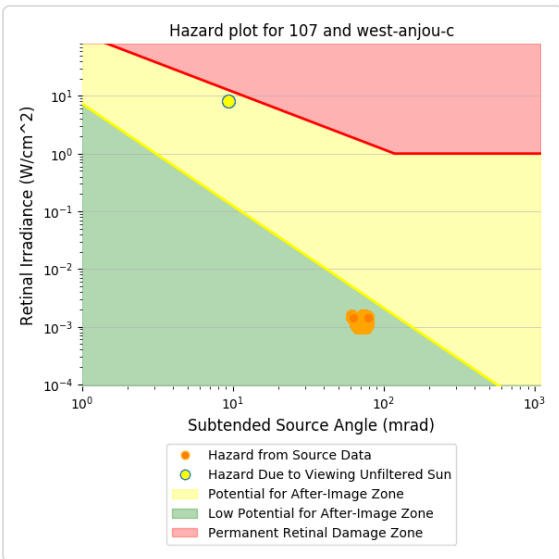
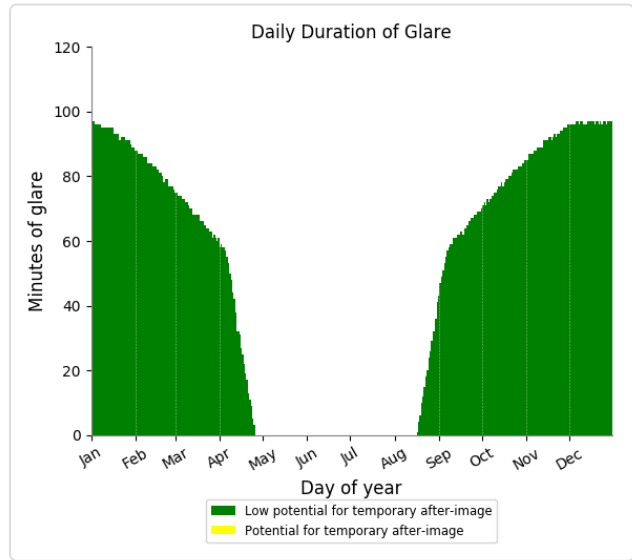
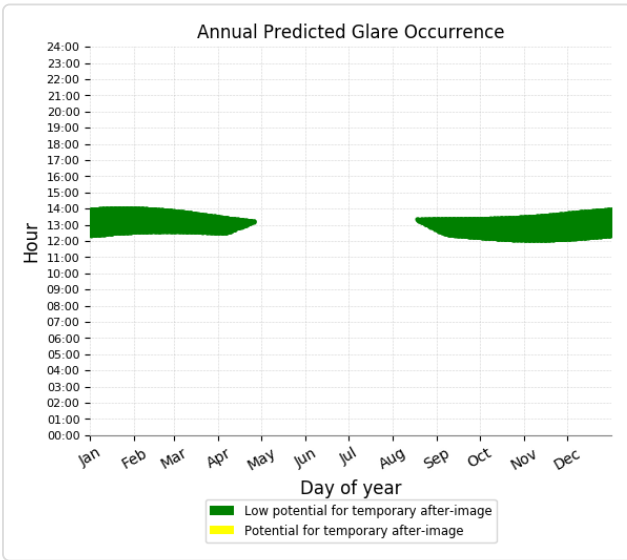
107 - Route Receptor (Thomas Road Braeburn Court)

No glare found

107 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 18,432 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	18883	0

108 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

108 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

108 - Receptor (Hornback Airstrip Northbound)

No glare found

108 - Receptor (Hornback Airstrip Southbound)

No glare found

108 - Receptor (Oz Airport NE Bound)

No glare found

108 - Receptor (Oz Airport SW Bound)

No glare found

108 - Receptor (Vine Grove Airport NW Bound)

No glare found

108 - Receptor (Vine Grove Airport SE Bound)

No glare found

108 - OP Receptor (OP 1)

No glare found

108 - OP Receptor (OP 2)

No glare found

108 - OP Receptor (OP 3)

No glare found

108 - OP Receptor (OP 4)

No glare found

108 - OP Receptor (OP 5)

No glare found

108 - OP Receptor (OP 6)

No glare found

108 - OP Receptor (OP 7)

No glare found

108 - OP Receptor (OP 8)

No glare found

108 - OP Receptor (OP 9)

No glare found

108 - OP Receptor (OP 10)

No glare found

108 - OP Receptor (OP 11)

No glare found

108 - OP Receptor (OP 12)

No glare found

108 - OP Receptor (OP 13)

No glare found

108 - OP Receptor (OP 14)

No glare found

108 - OP Receptor (OP 15)

No glare found

108 - OP Receptor (OP 16)

No glare found

108 - OP Receptor (OP 17)

No glare found

108 - OP Receptor (OP 18)

No glare found

108 - OP Receptor (OP 19)

No glare found

108 - OP Receptor (OP 20)

No glare found

108 - OP Receptor (OP 21)

No glare found

108 - OP Receptor (OP 22)

No glare found

108 - OP Receptor (OP 23)

No glare found

108 - OP Receptor (OP 24)

No glare found

108 - OP Receptor (OP 25)

No glare found

108 - OP Receptor (OP 26)

No glare found

108 - OP Receptor (OP 27)

No glare found

108 - OP Receptor (OP 28)

No glare found

108 - OP Receptor (OP 29)

No glare found

108 - OP Receptor (OP 30)

No glare found

108 - OP Receptor (OP 31)

No glare found

108 - OP Receptor (OP 32)

No glare found

108 - OP Receptor (OP 33)

No glare found

108 - OP Receptor (OP 34)

No glare found

108 - OP Receptor (OP 35)

No glare found

108 - OP Receptor (OP 36)

No glare found

108 - OP Receptor (OP 37)

No glare found

108 - OP Receptor (OP 38)

No glare found

108 - OP Receptor (OP 39)

No glare found

108 - OP Receptor (OP 40)

No glare found

108 - Route Receptor (Aiden Lane)

No glare found

108 - Route Receptor (Alcott Court Arden Court)

No glare found

108 - Route Receptor (Canton Road)

No glare found

108 - Route Receptor (Cecelia Road)

No glare found

108 - Route Receptor (Damson Trail)

No glare found

108 - Route Receptor (Goodman Lane)

No glare found

108 - Route Receptor (Hayden School Road)

No glare found

108 - Route Receptor (Hopewell Court Radford Court)

No glare found

108 - Route Receptor (Kitty Hawk Drive)

No glare found

108 - Route Receptor (St John Road)

No glare found

108 - Route Receptor (Thomas Cecelia road)

No glare found

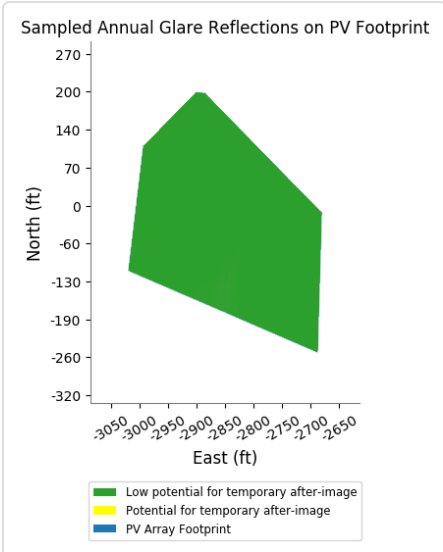
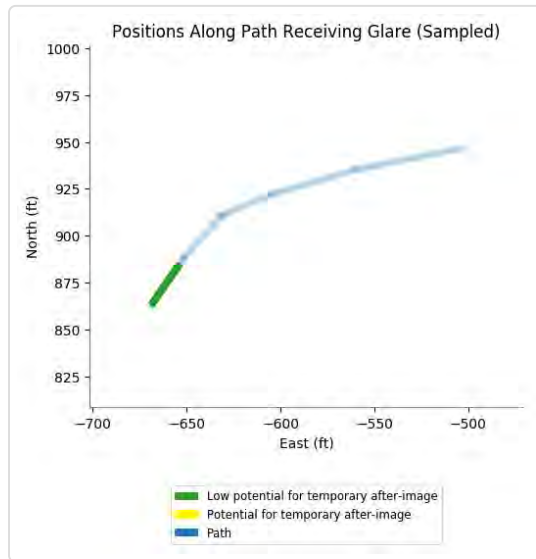
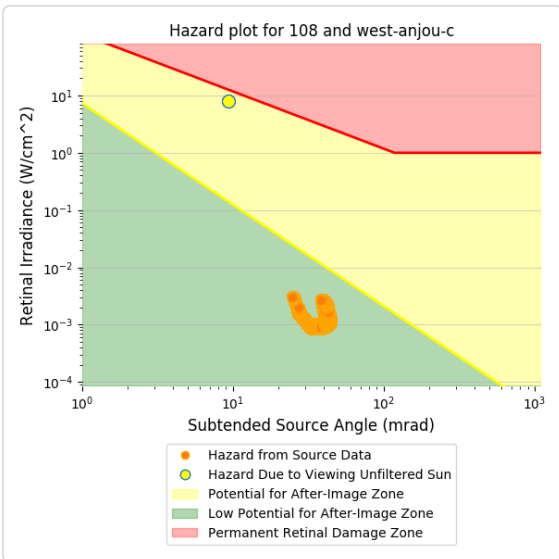
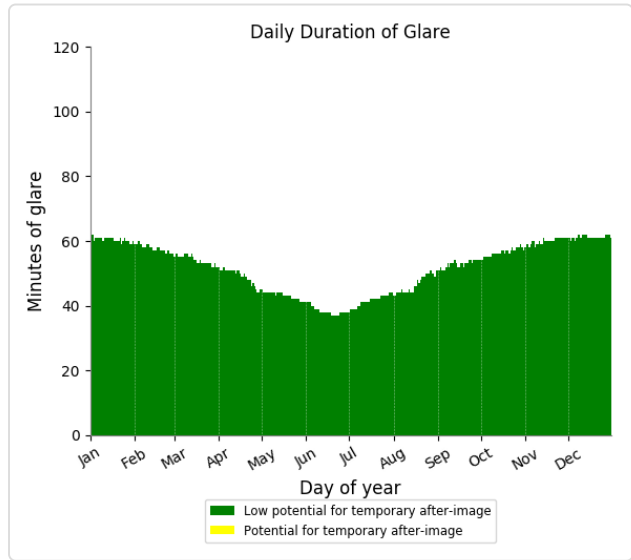
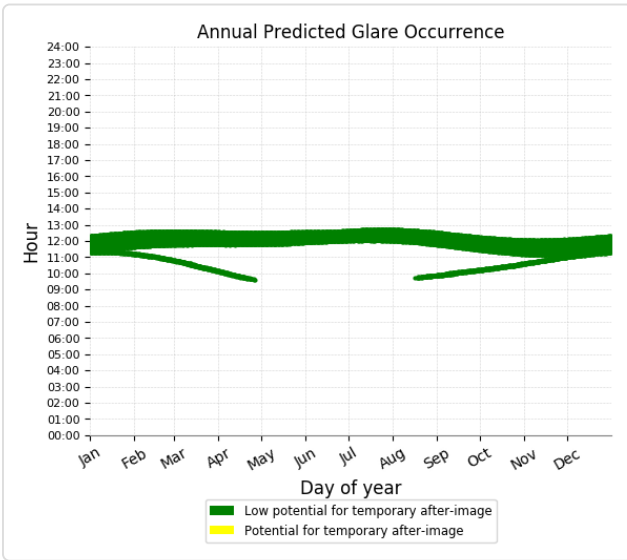
108 - Route Receptor (Thomas Road Braeburn Court)

No glare found

108 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 18,883 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	33470	0

109 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

109 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

109 - Receptor (Hornback Airstrip Northbound)

No glare found

109 - Receptor (Hornback Airstrip Southbound)

No glare found

109 - Receptor (Oz Airport NE Bound)

No glare found

109 - Receptor (Oz Airport SW Bound)

No glare found

109 - Receptor (Vine Grove Airport NW Bound)

No glare found

109 - Receptor (Vine Grove Airport SE Bound)

No glare found

109 - OP Receptor (OP 1)

No glare found

109 - OP Receptor (OP 2)

No glare found

109 - OP Receptor (OP 3)

No glare found

109 - OP Receptor (OP 4)

No glare found

109 - OP Receptor (OP 5)

No glare found

109 - OP Receptor (OP 6)

No glare found

109 - OP Receptor (OP 7)

No glare found

109 - OP Receptor (OP 8)

No glare found

109 - OP Receptor (OP 9)

No glare found

109 - OP Receptor (OP 10)

No glare found

109 - OP Receptor (OP 11)

No glare found

109 - OP Receptor (OP 12)

No glare found

109 - OP Receptor (OP 13)

No glare found

109 - OP Receptor (OP 14)

No glare found

109 - OP Receptor (OP 15)

No glare found

109 - OP Receptor (OP 16)

No glare found

109 - OP Receptor (OP 17)

No glare found

109 - OP Receptor (OP 18)

No glare found

109 - OP Receptor (OP 19)

No glare found

109 - OP Receptor (OP 20)

No glare found

109 - OP Receptor (OP 21)

No glare found

109 - OP Receptor (OP 22)

No glare found

109 - OP Receptor (OP 23)

No glare found

109 - OP Receptor (OP 24)

No glare found

109 - OP Receptor (OP 25)

No glare found

109 - OP Receptor (OP 26)

No glare found

109 - OP Receptor (OP 27)

No glare found

109 - OP Receptor (OP 28)

No glare found

109 - OP Receptor (OP 29)

No glare found

109 - OP Receptor (OP 30)

No glare found

109 - OP Receptor (OP 31)

No glare found

109 - OP Receptor (OP 32)

No glare found

109 - OP Receptor (OP 33)

No glare found

109 - OP Receptor (OP 34)

No glare found

109 - OP Receptor (OP 35)

No glare found

109 - OP Receptor (OP 36)

No glare found

109 - OP Receptor (OP 37)

No glare found

109 - OP Receptor (OP 38)

No glare found

109 - OP Receptor (OP 39)

No glare found

109 - OP Receptor (OP 40)

No glare found

109 - Route Receptor (Aiden Lane)

No glare found

109 - Route Receptor (Alcott Court Arden Court)

No glare found

109 - Route Receptor (Canton Road)

No glare found

109 - Route Receptor (Cecelia Road)

No glare found

109 - Route Receptor (Damson Trail)

No glare found

109 - Route Receptor (Goodman Lane)

No glare found

109 - Route Receptor (Hayden School Road)

No glare found

109 - Route Receptor (Hopewell Court Radford Court)

No glare found

109 - Route Receptor (Kitty Hawk Drive)

No glare found

109 - Route Receptor (St John Road)

No glare found

109 - Route Receptor (Thomas Cecelia road)

No glare found

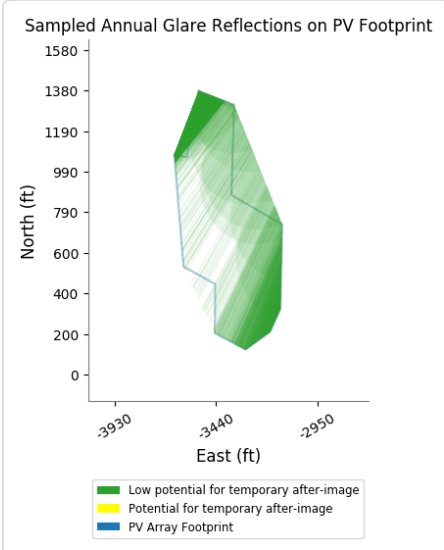
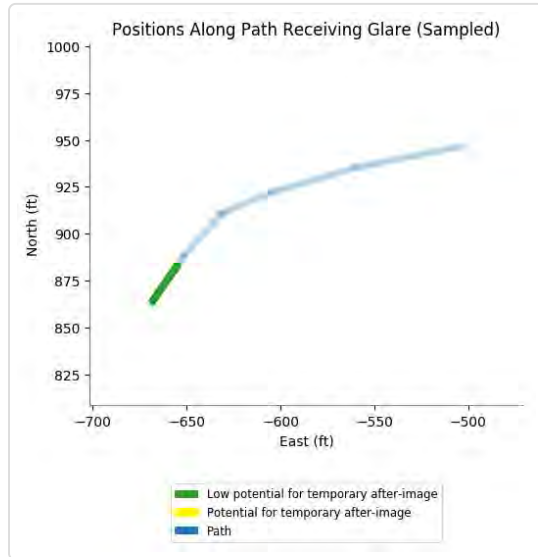
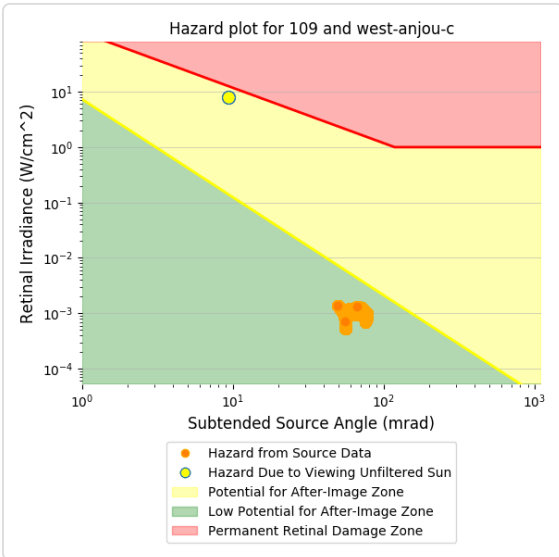
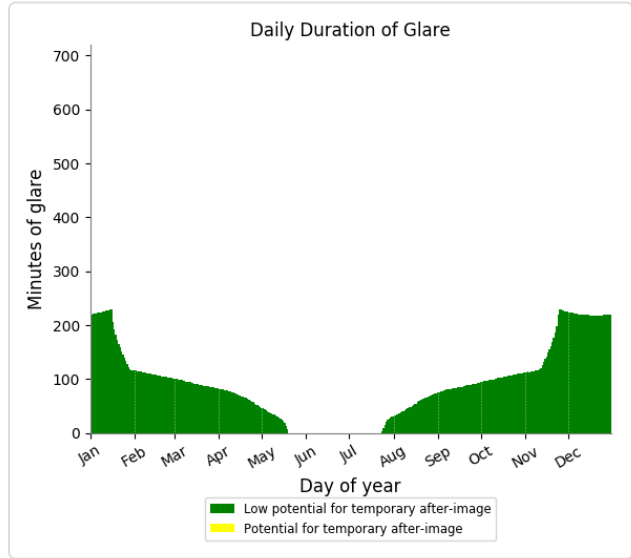
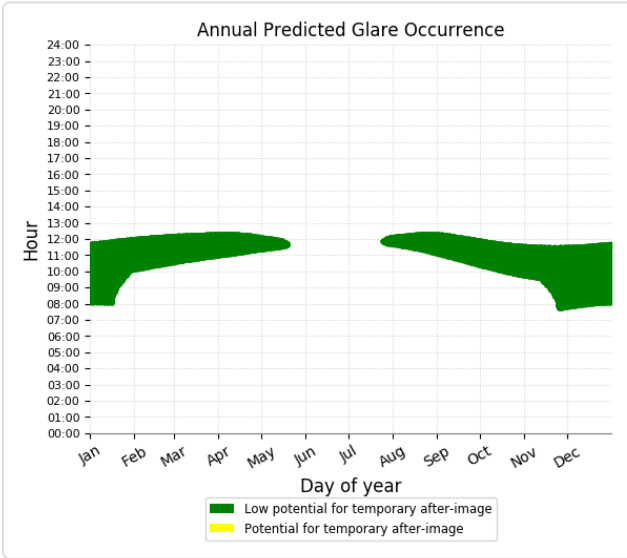
109 - Route Receptor (Thomas Road Braeburn Court)

No glare found

109 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 33,470 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



110 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	56006	0

110 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

110 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

110 - Receptor (Hornback Airstrip Northbound)

No glare found

110 - Receptor (Hornback Airstrip Southbound)

No glare found

110 - Receptor (Oz Airport NE Bound)

No glare found

110 - Receptor (Oz Airport SW Bound)

No glare found

110 - Receptor (Vine Grove Airport NW Bound)

No glare found

110 - Receptor (Vine Grove Airport SE Bound)

No glare found

110 - OP Receptor (OP 1)

No glare found

110 - OP Receptor (OP 2)

No glare found

110 - OP Receptor (OP 3)

No glare found

110 - OP Receptor (OP 4)

No glare found

110 - OP Receptor (OP 5)

No glare found

110 - OP Receptor (OP 6)

No glare found

110 - OP Receptor (OP 7)

No glare found

110 - OP Receptor (OP 8)

No glare found

110 - OP Receptor (OP 9)

No glare found

110 - OP Receptor (OP 10)

No glare found

110 - OP Receptor (OP 11)

No glare found

110 - OP Receptor (OP 12)

No glare found

110 - OP Receptor (OP 13)

No glare found

110 - OP Receptor (OP 14)

No glare found

110 - OP Receptor (OP 15)

No glare found

110 - OP Receptor (OP 16)

No glare found

110 - OP Receptor (OP 17)

No glare found

110 - OP Receptor (OP 18)

No glare found

110 - OP Receptor (OP 19)

No glare found

110 - OP Receptor (OP 20)

No glare found

110 - OP Receptor (OP 21)

No glare found

110 - OP Receptor (OP 22)

No glare found

110 - OP Receptor (OP 23)

No glare found

110 - OP Receptor (OP 24)

No glare found

110 - OP Receptor (OP 25)

No glare found

110 - OP Receptor (OP 26)

No glare found

110 - OP Receptor (OP 27)

No glare found

110 - OP Receptor (OP 28)

No glare found

110 - OP Receptor (OP 29)

No glare found

110 - OP Receptor (OP 30)

No glare found

110 - OP Receptor (OP 31)

No glare found

110 - OP Receptor (OP 32)

No glare found

110 - OP Receptor (OP 33)

No glare found

110 - OP Receptor (OP 34)

No glare found

110 - OP Receptor (OP 35)

No glare found

110 - OP Receptor (OP 36)

No glare found

110 - OP Receptor (OP 37)

No glare found

110 - OP Receptor (OP 38)

No glare found

110 - OP Receptor (OP 39)

No glare found

110 - OP Receptor (OP 40)

No glare found

110 - Route Receptor (Aiden Lane)

No glare found

110 - Route Receptor (Alcott Court Arden Court)

No glare found

110 - Route Receptor (Canton Road)

No glare found

110 - Route Receptor (Cecelia Road)

No glare found

110 - Route Receptor (Damson Trail)

No glare found

110 - Route Receptor (Goodman Lane)

No glare found

110 - Route Receptor (Hayden School Road)

No glare found

110 - Route Receptor (Hopewell Court Radford Court)

No glare found

110 - Route Receptor (Kitty Hawk Drive)

No glare found

110 - Route Receptor (St John Road)

No glare found

110 - Route Receptor (Thomas Cecelia road)

No glare found

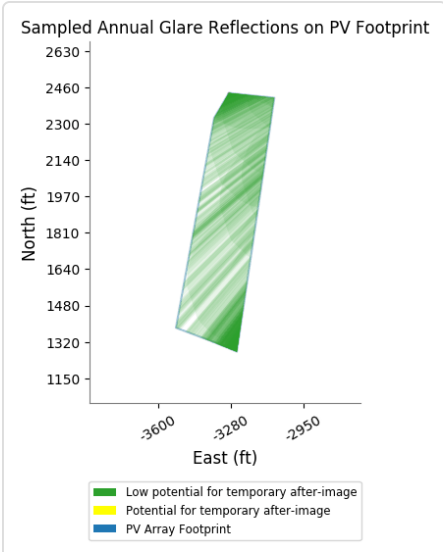
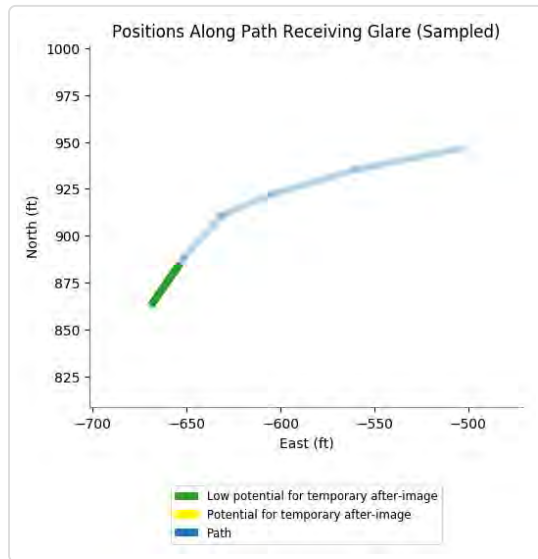
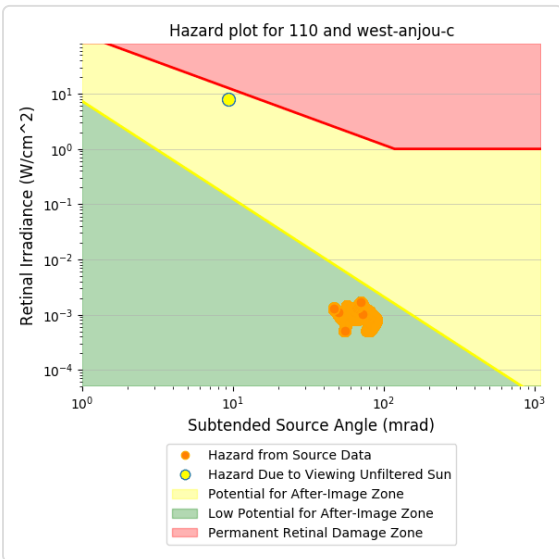
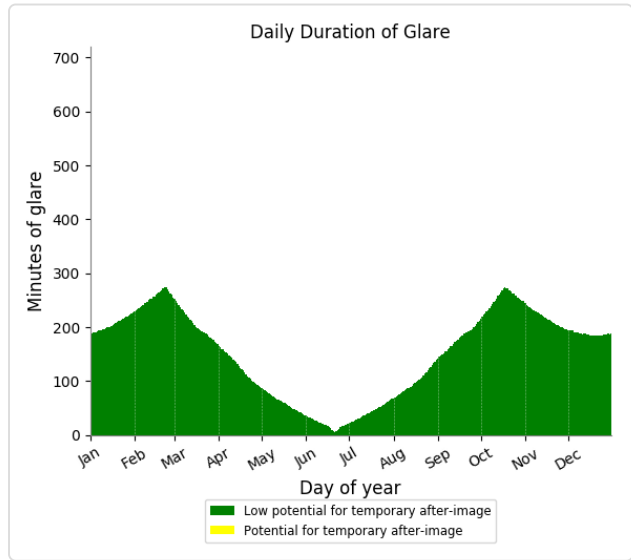
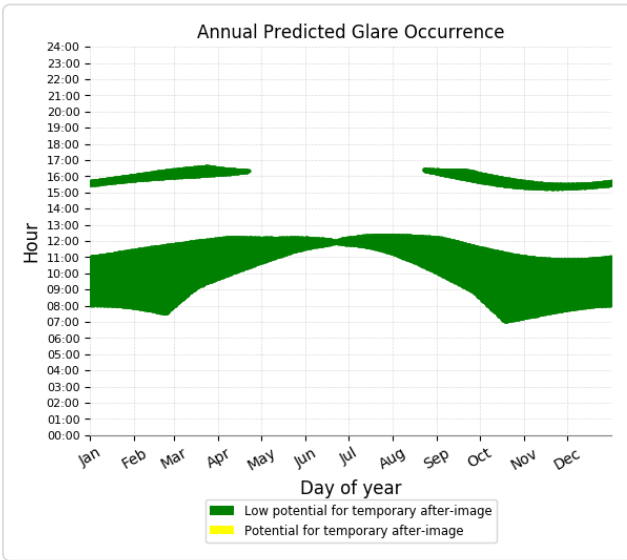
110 - Route Receptor (Thomas Road Braeburn Court)

No glare found

110 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 56,006 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	18886	0

111 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

111 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

111 - Receptor (Hornback Airstrip Northbound)

No glare found

111 - Receptor (Hornback Airstrip Southbound)

No glare found

111 - Receptor (Oz Airport NE Bound)

No glare found

111 - Receptor (Oz Airport SW Bound)

No glare found

111 - Receptor (Vine Grove Airport NW Bound)

No glare found

111 - Receptor (Vine Grove Airport SE Bound)

No glare found

111 - OP Receptor (OP 1)

No glare found

111 - OP Receptor (OP 2)

No glare found

111 - OP Receptor (OP 3)

No glare found

111 - OP Receptor (OP 4)

No glare found

111 - OP Receptor (OP 5)

No glare found

111 - OP Receptor (OP 6)

No glare found

111 - OP Receptor (OP 7)

No glare found

111 - OP Receptor (OP 8)

No glare found

111 - OP Receptor (OP 9)

No glare found

111 - OP Receptor (OP 10)

No glare found

111 - OP Receptor (OP 11)

No glare found

111 - OP Receptor (OP 12)

No glare found

111 - OP Receptor (OP 13)

No glare found

111 - OP Receptor (OP 14)

No glare found

111 - OP Receptor (OP 15)

No glare found

111 - OP Receptor (OP 16)

No glare found

111 - OP Receptor (OP 17)

No glare found

111 - OP Receptor (OP 18)

No glare found

111 - OP Receptor (OP 19)

No glare found

111 - OP Receptor (OP 20)

No glare found

111 - OP Receptor (OP 21)

No glare found

111 - OP Receptor (OP 22)

No glare found

111 - OP Receptor (OP 23)

No glare found

111 - OP Receptor (OP 24)

No glare found

111 - OP Receptor (OP 25)

No glare found

111 - OP Receptor (OP 26)

No glare found

111 - OP Receptor (OP 27)

No glare found

111 - OP Receptor (OP 28)

No glare found

111 - OP Receptor (OP 29)

No glare found

111 - OP Receptor (OP 30)

No glare found

111 - OP Receptor (OP 31)

No glare found

111 - OP Receptor (OP 32)

No glare found

111 - OP Receptor (OP 33)

No glare found

111 - OP Receptor (OP 34)

No glare found

111 - OP Receptor (OP 35)

No glare found

111 - OP Receptor (OP 36)

No glare found

111 - OP Receptor (OP 37)

No glare found

111 - OP Receptor (OP 38)

No glare found

111 - OP Receptor (OP 39)

No glare found

111 - OP Receptor (OP 40)

No glare found

111 - Route Receptor (Aiden Lane)

No glare found

111 - Route Receptor (Alcott Court Arden Court)

No glare found

111 - Route Receptor (Canton Road)

No glare found

111 - Route Receptor (Cecelia Road)

No glare found

111 - Route Receptor (Damson Trail)

No glare found

111 - Route Receptor (Goodman Lane)

No glare found

111 - Route Receptor (Hayden School Road)

No glare found

111 - Route Receptor (Hopewell Court Radford Court)

No glare found

111 - Route Receptor (Kitty Hawk Drive)

No glare found

111 - Route Receptor (St John Road)

No glare found

111 - Route Receptor (Thomas Cecelia road)

No glare found

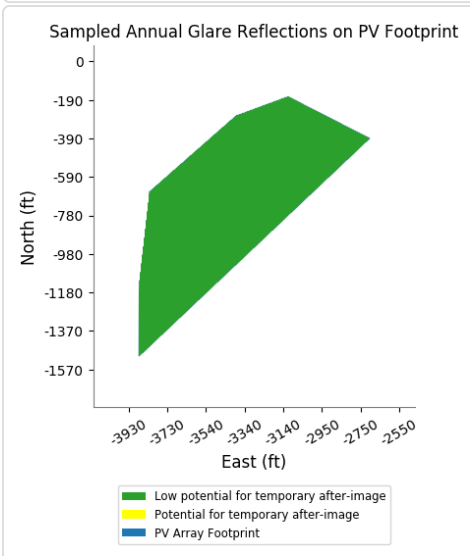
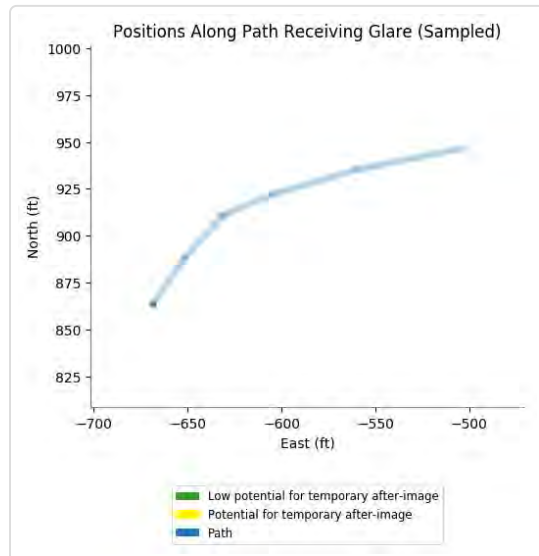
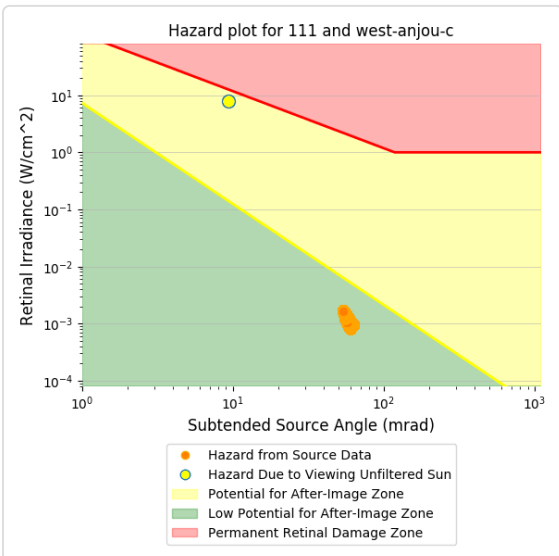
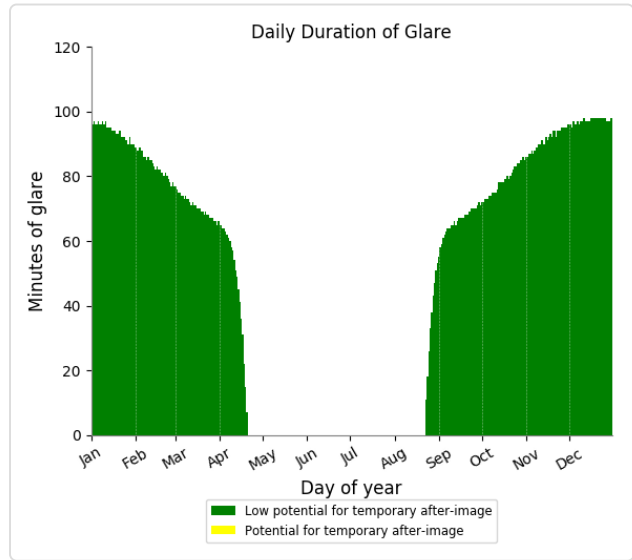
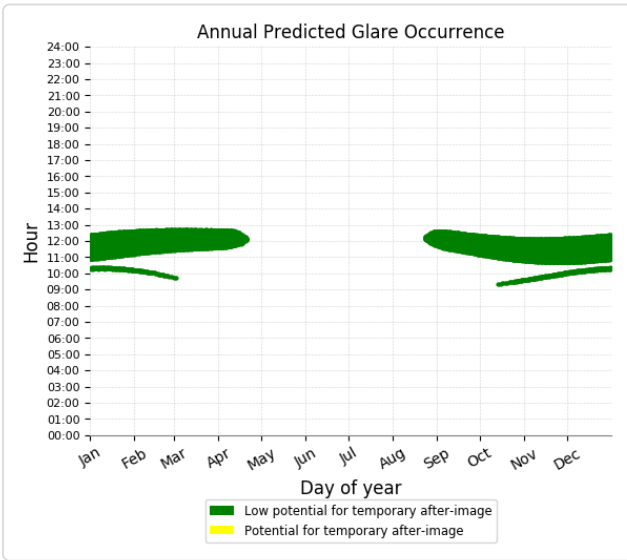
111 - Route Receptor (Thomas Road Braeburn Court)

No glare found

111 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 18,886 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



112 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	17324	0

112 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

112 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

112 - Receptor (Hornback Airstrip Northbound)

No glare found

112 - Receptor (Hornback Airstrip Southbound)

No glare found

112 - Receptor (Oz Airport NE Bound)

No glare found

112 - Receptor (Oz Airport SW Bound)

No glare found

112 - Receptor (Vine Grove Airport NW Bound)

No glare found

112 - Receptor (Vine Grove Airport SE Bound)

No glare found

112 - OP Receptor (OP 1)

No glare found

112 - OP Receptor (OP 2)

No glare found

112 - OP Receptor (OP 3)

No glare found

112 - OP Receptor (OP 4)

No glare found

112 - OP Receptor (OP 5)

No glare found

112 - OP Receptor (OP 6)

No glare found

112 - OP Receptor (OP 7)

No glare found

112 - OP Receptor (OP 8)

No glare found

112 - OP Receptor (OP 9)

No glare found

112 - OP Receptor (OP 10)

No glare found

112 - OP Receptor (OP 11)

No glare found

112 - OP Receptor (OP 12)

No glare found

112 - OP Receptor (OP 13)

No glare found

112 - OP Receptor (OP 14)

No glare found

112 - OP Receptor (OP 15)

No glare found

112 - OP Receptor (OP 16)

No glare found

112 - OP Receptor (OP 17)

No glare found

112 - OP Receptor (OP 18)

No glare found

112 - OP Receptor (OP 19)

No glare found

112 - OP Receptor (OP 20)

No glare found

112 - OP Receptor (OP 21)

No glare found

112 - OP Receptor (OP 22)

No glare found

112 - OP Receptor (OP 23)

No glare found

112 - OP Receptor (OP 24)

No glare found

112 - OP Receptor (OP 25)

No glare found

112 - OP Receptor (OP 26)

No glare found

112 - OP Receptor (OP 27)

No glare found

112 - OP Receptor (OP 28)

No glare found

112 - OP Receptor (OP 29)

No glare found

112 - OP Receptor (OP 30)

No glare found

112 - OP Receptor (OP 31)

No glare found

112 - OP Receptor (OP 32)

No glare found

112 - OP Receptor (OP 33)

No glare found

112 - OP Receptor (OP 34)

No glare found

112 - OP Receptor (OP 35)

No glare found

112 - OP Receptor (OP 36)

No glare found

112 - OP Receptor (OP 37)

No glare found

112 - OP Receptor (OP 38)

No glare found

112 - OP Receptor (OP 39)

No glare found

112 - OP Receptor (OP 40)

No glare found

112 - Route Receptor (Aiden Lane)

No glare found

112 - Route Receptor (Alcott Court Arden Court)

No glare found

112 - Route Receptor (Canton Road)

No glare found

112 - Route Receptor (Cecelia Road)

No glare found

112 - Route Receptor (Damson Trail)

No glare found

112 - Route Receptor (Goodman Lane)

No glare found

112 - Route Receptor (Hayden School Road)

No glare found

112 - Route Receptor (Hopewell Court Radford Court)

No glare found

112 - Route Receptor (Kitty Hawk Drive)

No glare found

112 - Route Receptor (St John Road)

No glare found

112 - Route Receptor (Thomas Cecelia road)

No glare found

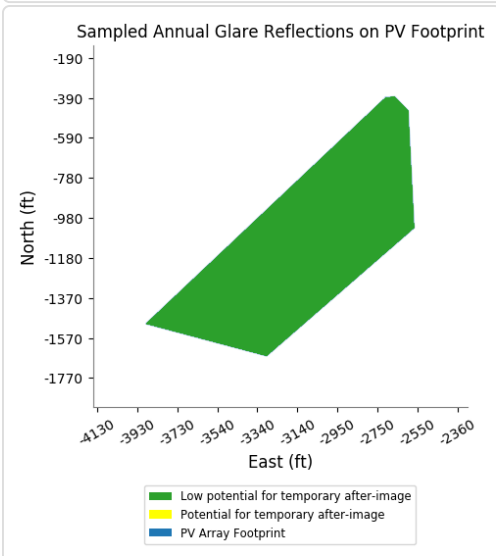
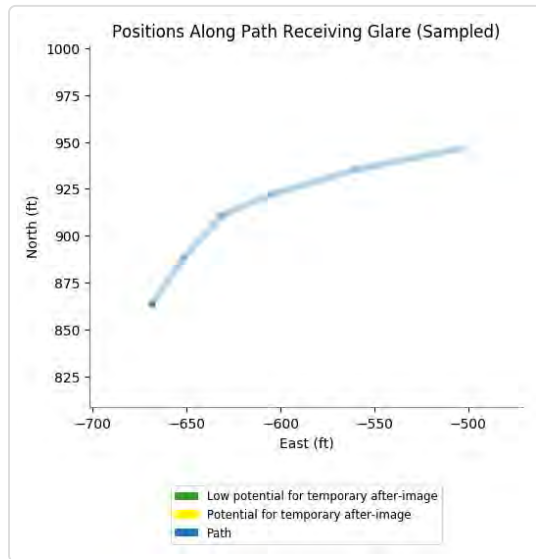
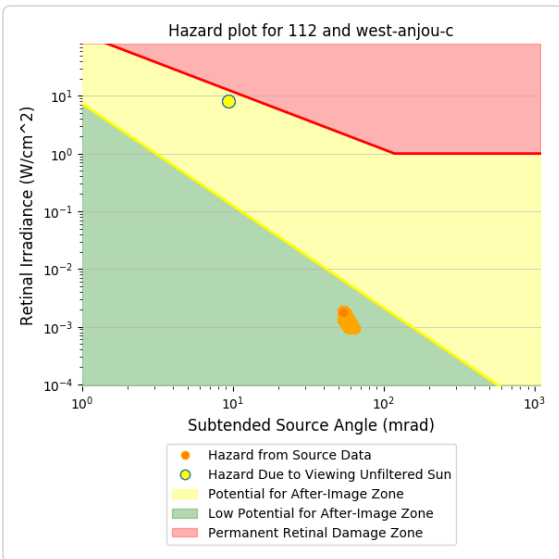
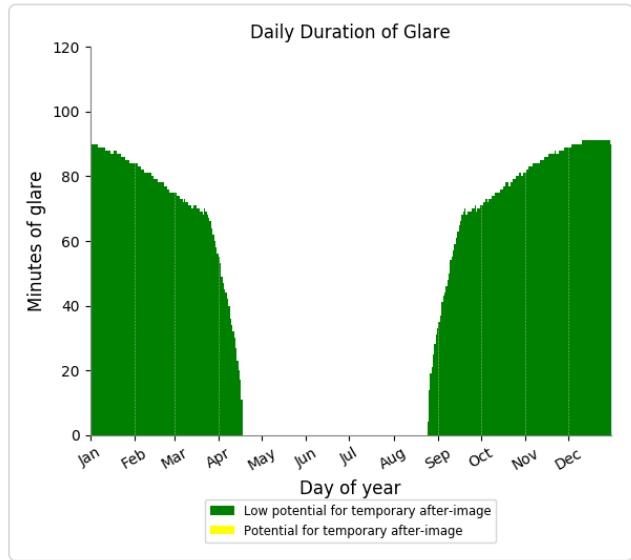
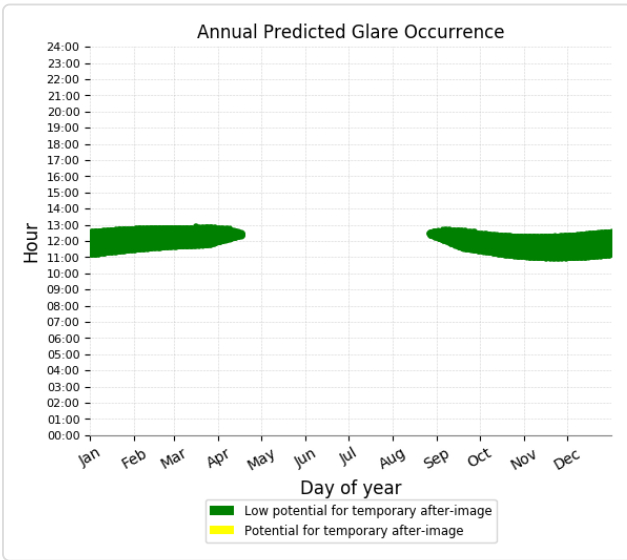
112 - Route Receptor (Thomas Road Braeburn Court)

No glare found

112 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 17,324 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



113 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	21228	0

113 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

113 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

113 - Receptor (Hornback Airstrip Northbound)

No glare found

113 - Receptor (Hornback Airstrip Southbound)

No glare found

113 - Receptor (Oz Airport NE Bound)

No glare found

113 - Receptor (Oz Airport SW Bound)

No glare found

113 - Receptor (Vine Grove Airport NW Bound)

No glare found

113 - Receptor (Vine Grove Airport SE Bound)

No glare found

113 - OP Receptor (OP 1)

No glare found

113 - OP Receptor (OP 2)

No glare found

113 - OP Receptor (OP 3)

No glare found

113 - OP Receptor (OP 4)

No glare found

113 - OP Receptor (OP 5)

No glare found

113 - OP Receptor (OP 6)

No glare found

113 - OP Receptor (OP 7)

No glare found

113 - OP Receptor (OP 8)

No glare found

113 - OP Receptor (OP 9)

No glare found

113 - OP Receptor (OP 10)

No glare found

113 - OP Receptor (OP 11)

No glare found

113 - OP Receptor (OP 12)

No glare found

113 - OP Receptor (OP 13)

No glare found

113 - OP Receptor (OP 14)

No glare found

113 - OP Receptor (OP 15)

No glare found

113 - OP Receptor (OP 16)

No glare found

113 - OP Receptor (OP 17)

No glare found

113 - OP Receptor (OP 18)

No glare found

113 - OP Receptor (OP 19)

No glare found

113 - OP Receptor (OP 20)

No glare found

113 - OP Receptor (OP 21)

No glare found

113 - OP Receptor (OP 22)

No glare found

113 - OP Receptor (OP 23)

No glare found

113 - OP Receptor (OP 24)

No glare found

113 - OP Receptor (OP 25)

No glare found

113 - OP Receptor (OP 26)

No glare found

113 - OP Receptor (OP 27)

No glare found

113 - OP Receptor (OP 28)

No glare found

113 - OP Receptor (OP 29)

No glare found

113 - OP Receptor (OP 30)

No glare found

113 - OP Receptor (OP 31)

No glare found

113 - OP Receptor (OP 32)

No glare found

113 - OP Receptor (OP 33)

No glare found

113 - OP Receptor (OP 34)

No glare found

113 - OP Receptor (OP 35)

No glare found

113 - OP Receptor (OP 36)

No glare found

113 - OP Receptor (OP 37)

No glare found

113 - OP Receptor (OP 38)

No glare found

113 - OP Receptor (OP 39)

No glare found

113 - OP Receptor (OP 40)

No glare found

113 - Route Receptor (Aiden Lane)

No glare found

113 - Route Receptor (Alcott Court Arden Court)

No glare found

113 - Route Receptor (Canton Road)

No glare found

113 - Route Receptor (Cecelia Road)

No glare found

113 - Route Receptor (Damson Trail)

No glare found

113 - Route Receptor (Goodman Lane)

No glare found

113 - Route Receptor (Hayden School Road)

No glare found

113 - Route Receptor (Hopewell Court Radford Court)

No glare found

113 - Route Receptor (Kitty Hawk Drive)

No glare found

113 - Route Receptor (St John Road)

No glare found

113 - Route Receptor (Thomas Cecelia road)

No glare found

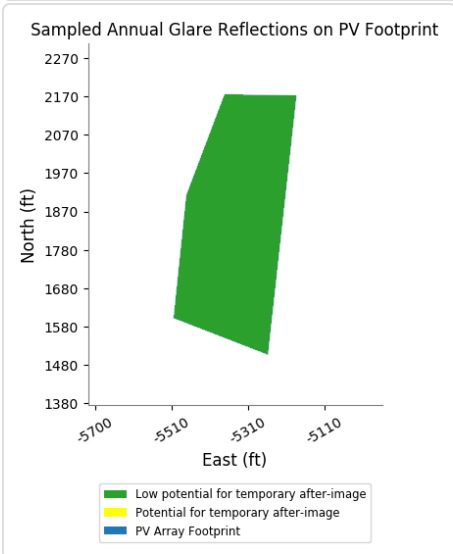
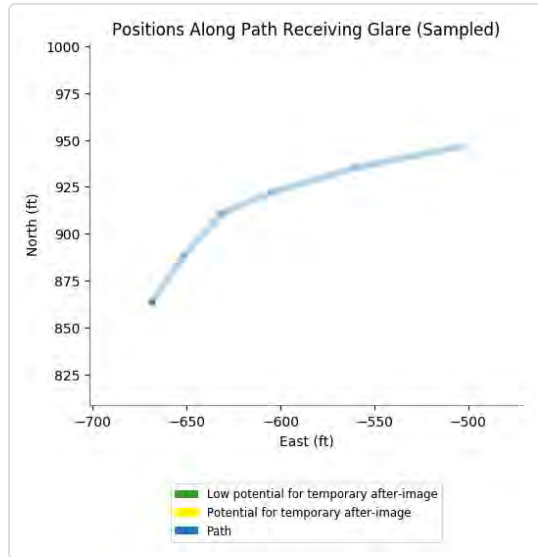
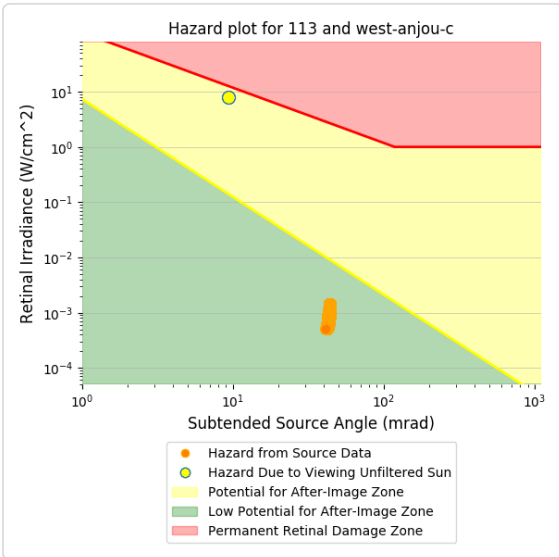
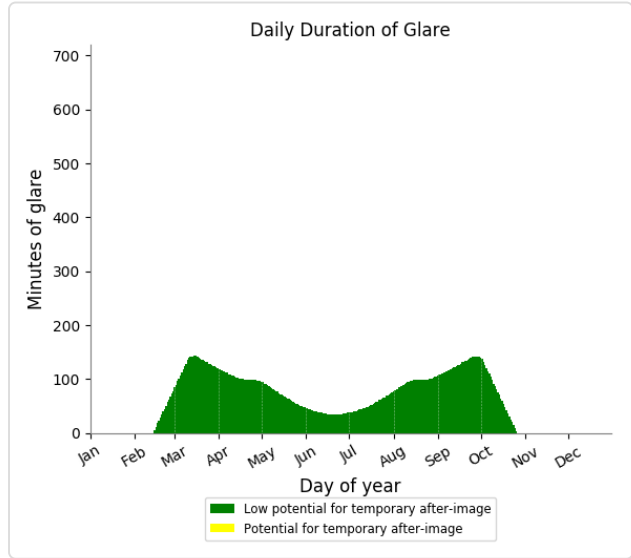
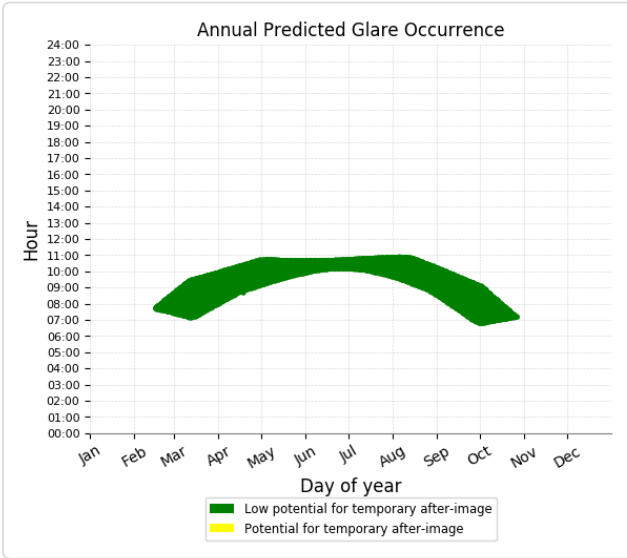
113 - Route Receptor (Thomas Road Braeburn Court)

No glare found

113 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 21,228 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	20424	0

114 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

114 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

114 - Receptor (Hornback Airstrip Northbound)

No glare found

114 - Receptor (Hornback Airstrip Southbound)

No glare found

114 - Receptor (Oz Airport NE Bound)

No glare found

114 - Receptor (Oz Airport SW Bound)

No glare found

114 - Receptor (Vine Grove Airport NW Bound)

No glare found

114 - Receptor (Vine Grove Airport SE Bound)

No glare found

114 - OP Receptor (OP 1)

No glare found

114 - OP Receptor (OP 2)

No glare found

114 - OP Receptor (OP 3)

No glare found

114 - OP Receptor (OP 4)

No glare found

114 - OP Receptor (OP 5)

No glare found

114 - OP Receptor (OP 6)

No glare found

114 - OP Receptor (OP 7)

No glare found

114 - OP Receptor (OP 8)

No glare found

114 - OP Receptor (OP 9)

No glare found

114 - OP Receptor (OP 10)

No glare found

114 - OP Receptor (OP 11)

No glare found

114 - OP Receptor (OP 12)

No glare found

114 - OP Receptor (OP 13)

No glare found

114 - OP Receptor (OP 14)

No glare found

114 - OP Receptor (OP 15)

No glare found

114 - OP Receptor (OP 16)

No glare found

114 - OP Receptor (OP 17)

No glare found

114 - OP Receptor (OP 18)

No glare found

114 - OP Receptor (OP 19)

No glare found

114 - OP Receptor (OP 20)

No glare found

114 - OP Receptor (OP 21)

No glare found

114 - OP Receptor (OP 22)

No glare found

114 - OP Receptor (OP 23)

No glare found

114 - OP Receptor (OP 24)

No glare found

114 - OP Receptor (OP 25)

No glare found

114 - OP Receptor (OP 26)

No glare found

114 - OP Receptor (OP 27)

No glare found

114 - OP Receptor (OP 28)

No glare found

114 - OP Receptor (OP 29)

No glare found

114 - OP Receptor (OP 30)

No glare found

114 - OP Receptor (OP 31)

No glare found

114 - OP Receptor (OP 32)

No glare found

114 - OP Receptor (OP 33)

No glare found

114 - OP Receptor (OP 34)

No glare found

114 - OP Receptor (OP 35)

No glare found

114 - OP Receptor (OP 36)

No glare found

114 - OP Receptor (OP 37)

No glare found

114 - OP Receptor (OP 38)

No glare found

114 - OP Receptor (OP 39)

No glare found

114 - OP Receptor (OP 40)

No glare found

114 - Route Receptor (Aiden Lane)

No glare found

114 - Route Receptor (Alcott Court Arden Court)

No glare found

114 - Route Receptor (Canton Road)

No glare found

114 - Route Receptor (Cecelia Road)

No glare found

114 - Route Receptor (Damson Trail)

No glare found

114 - Route Receptor (Goodman Lane)

No glare found

114 - Route Receptor (Hayden School Road)

No glare found

114 - Route Receptor (Hopewell Court Radford Court)

No glare found

114 - Route Receptor (Kitty Hawk Drive)

No glare found

114 - Route Receptor (St John Road)

No glare found

114 - Route Receptor (Thomas Cecelia road)

No glare found

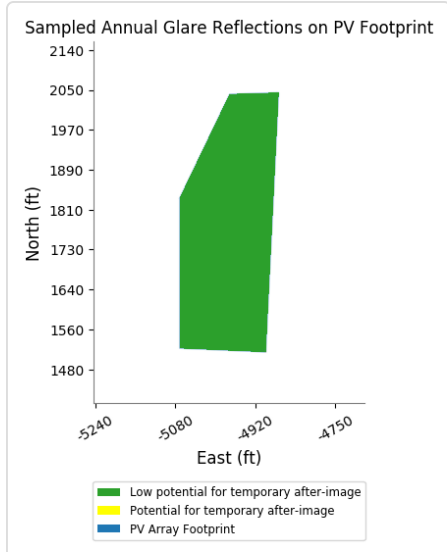
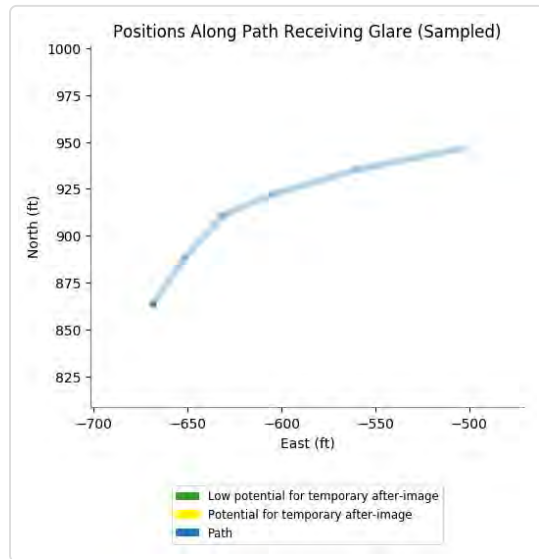
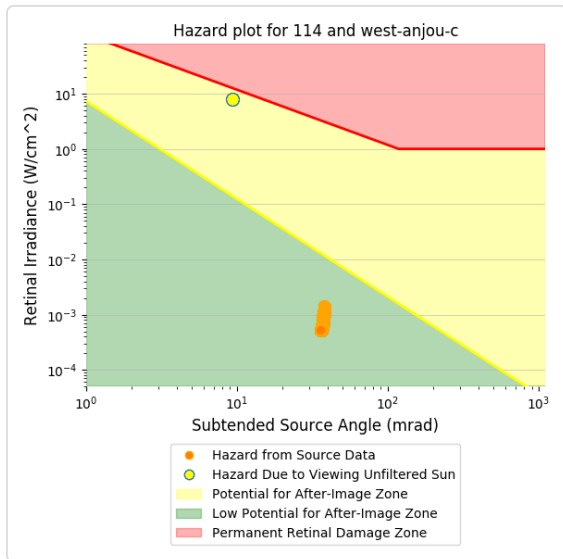
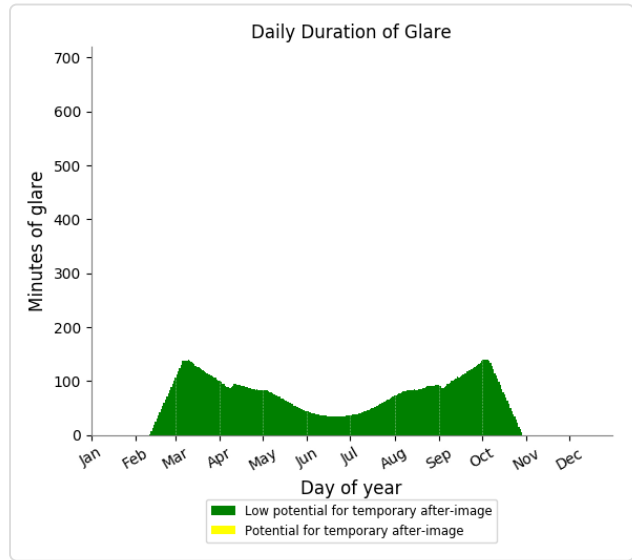
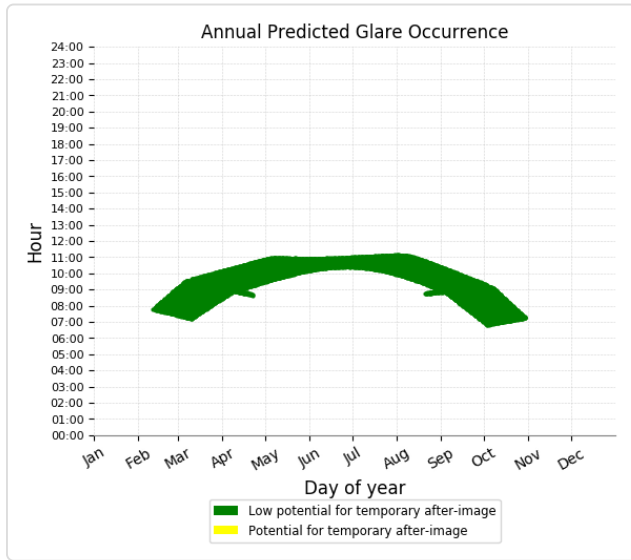
114 - Route Receptor (Thomas Road Braeburn Court)

No glare found

114 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 20,424 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	26978	0

115 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

115 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

115 - Receptor (Hornback Airstrip Northbound)

No glare found

115 - Receptor (Hornback Airstrip Southbound)

No glare found

115 - Receptor (Oz Airport NE Bound)

No glare found

115 - Receptor (Oz Airport SW Bound)

No glare found

115 - Receptor (Vine Grove Airport NW Bound)

No glare found

115 - Receptor (Vine Grove Airport SE Bound)

No glare found

115 - OP Receptor (OP 1)

No glare found

115 - OP Receptor (OP 2)

No glare found

115 - OP Receptor (OP 3)

No glare found

115 - OP Receptor (OP 4)

No glare found

115 - OP Receptor (OP 5)

No glare found

115 - OP Receptor (OP 6)

No glare found

115 - OP Receptor (OP 7)

No glare found

115 - OP Receptor (OP 8)

No glare found

115 - OP Receptor (OP 9)

No glare found

115 - OP Receptor (OP 10)

No glare found

115 - OP Receptor (OP 11)

No glare found

115 - OP Receptor (OP 12)

No glare found

115 - OP Receptor (OP 13)

No glare found

115 - OP Receptor (OP 14)

No glare found

115 - OP Receptor (OP 15)

No glare found

115 - OP Receptor (OP 16)

No glare found

115 - OP Receptor (OP 17)

No glare found

115 - OP Receptor (OP 18)

No glare found

115 - OP Receptor (OP 19)

No glare found

115 - OP Receptor (OP 20)

No glare found

115 - OP Receptor (OP 21)

No glare found

115 - OP Receptor (OP 22)

No glare found

115 - OP Receptor (OP 23)

No glare found

115 - OP Receptor (OP 24)

No glare found

115 - OP Receptor (OP 25)

No glare found

115 - OP Receptor (OP 26)

No glare found

115 - OP Receptor (OP 27)

No glare found

115 - OP Receptor (OP 28)

No glare found

115 - OP Receptor (OP 29)

No glare found

115 - OP Receptor (OP 30)

No glare found

115 - OP Receptor (OP 31)

No glare found

115 - OP Receptor (OP 32)

No glare found

115 - OP Receptor (OP 33)

No glare found

115 - OP Receptor (OP 34)

No glare found

115 - OP Receptor (OP 35)

No glare found

115 - OP Receptor (OP 36)

No glare found

115 - OP Receptor (OP 37)

No glare found

115 - OP Receptor (OP 38)

No glare found

115 - OP Receptor (OP 39)

No glare found

115 - OP Receptor (OP 40)

No glare found

115 - Route Receptor (Aiden Lane)

No glare found

115 - Route Receptor (Alcott Court Arden Court)

No glare found

115 - Route Receptor (Canton Road)

No glare found

115 - Route Receptor (Cecelia Road)

No glare found

115 - Route Receptor (Damson Trail)

No glare found

115 - Route Receptor (Goodman Lane)

No glare found

115 - Route Receptor (Hayden School Road)

No glare found

115 - Route Receptor (Hopewell Court Radford Court)

No glare found

115 - Route Receptor (Kitty Hawk Drive)

No glare found

115 - Route Receptor (St John Road)

No glare found

115 - Route Receptor (Thomas Cecelia road)

No glare found

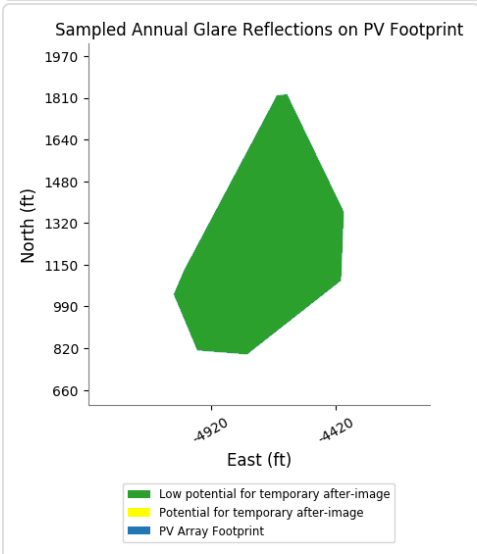
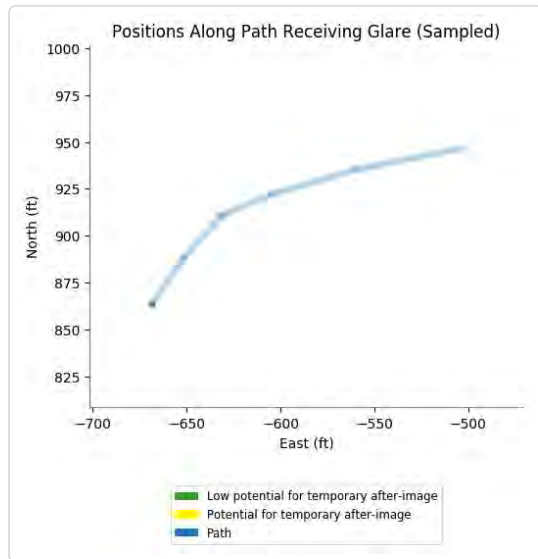
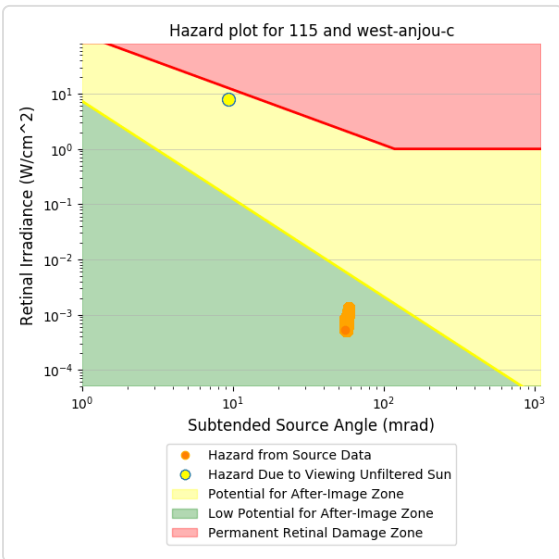
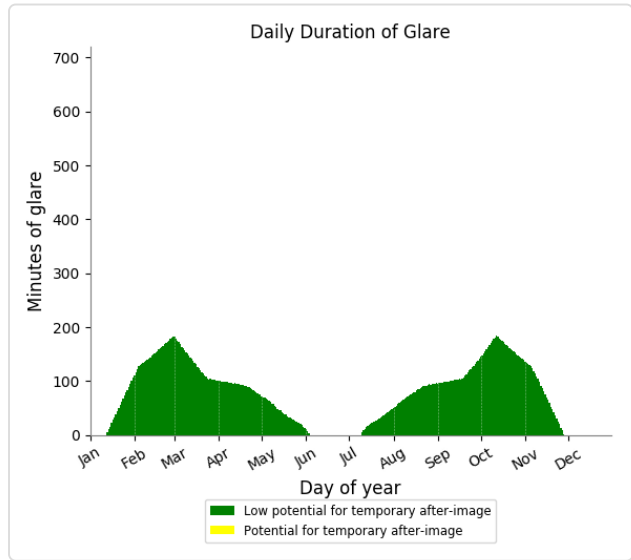
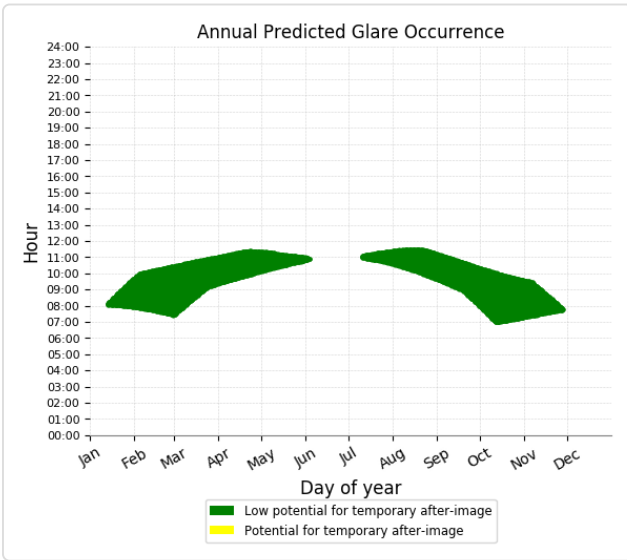
115 - Route Receptor (Thomas Road Braeburn Court)

No glare found

115 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 26,978 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	39218	0

116 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

116 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

116 - Receptor (Hornback Airstrip Northbound)

No glare found

116 - Receptor (Hornback Airstrip Southbound)

No glare found

116 - Receptor (Oz Airport NE Bound)

No glare found

116 - Receptor (Oz Airport SW Bound)

No glare found

116 - Receptor (Vine Grove Airport NW Bound)

No glare found

116 - Receptor (Vine Grove Airport SE Bound)

No glare found

116 - OP Receptor (OP 1)

No glare found

116 - OP Receptor (OP 2)

No glare found

116 - OP Receptor (OP 3)

No glare found

116 - OP Receptor (OP 4)

No glare found

116 - OP Receptor (OP 5)

No glare found

116 - OP Receptor (OP 6)

No glare found

116 - OP Receptor (OP 7)

No glare found

116 - OP Receptor (OP 8)

No glare found

116 - OP Receptor (OP 9)

No glare found

116 - OP Receptor (OP 10)

No glare found

116 - OP Receptor (OP 11)

No glare found

116 - OP Receptor (OP 12)

No glare found

116 - OP Receptor (OP 13)

No glare found

116 - OP Receptor (OP 14)

No glare found

116 - OP Receptor (OP 15)

No glare found

116 - OP Receptor (OP 16)

No glare found

116 - OP Receptor (OP 17)

No glare found

116 - OP Receptor (OP 18)

No glare found

116 - OP Receptor (OP 19)

No glare found

116 - OP Receptor (OP 20)

No glare found

116 - OP Receptor (OP 21)

No glare found

116 - OP Receptor (OP 22)

No glare found

116 - OP Receptor (OP 23)

No glare found

116 - OP Receptor (OP 24)

No glare found

116 - OP Receptor (OP 25)

No glare found

116 - OP Receptor (OP 26)

No glare found

116 - OP Receptor (OP 27)

No glare found

116 - OP Receptor (OP 28)

No glare found

116 - OP Receptor (OP 29)

No glare found

116 - OP Receptor (OP 30)

No glare found

116 - OP Receptor (OP 31)

No glare found

116 - OP Receptor (OP 32)

No glare found

116 - OP Receptor (OP 33)

No glare found

116 - OP Receptor (OP 34)

No glare found

116 - OP Receptor (OP 35)

No glare found

116 - OP Receptor (OP 36)

No glare found

116 - OP Receptor (OP 37)

No glare found

116 - OP Receptor (OP 38)

No glare found

116 - OP Receptor (OP 39)

No glare found

116 - OP Receptor (OP 40)

No glare found

116 - Route Receptor (Aiden Lane)

No glare found

116 - Route Receptor (Alcott Court Arden Court)

No glare found

116 - Route Receptor (Canton Road)

No glare found

116 - Route Receptor (Cecelia Road)

No glare found

116 - Route Receptor (Damson Trail)

No glare found

116 - Route Receptor (Goodman Lane)

No glare found

116 - Route Receptor (Hayden School Road)

No glare found

116 - Route Receptor (Hopewell Court Radford Court)

No glare found

116 - Route Receptor (Kitty Hawk Drive)

No glare found

116 - Route Receptor (St John Road)

No glare found

116 - Route Receptor (Thomas Cecelia road)

No glare found

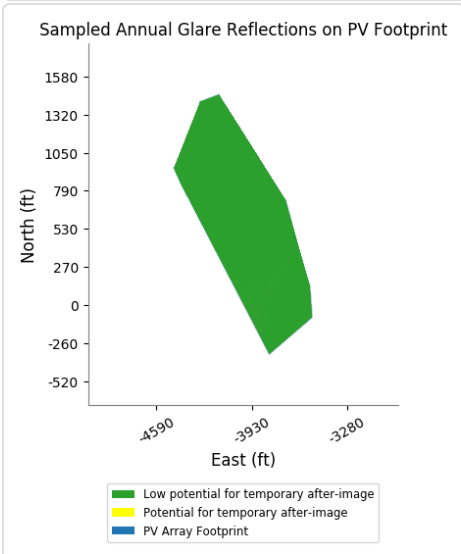
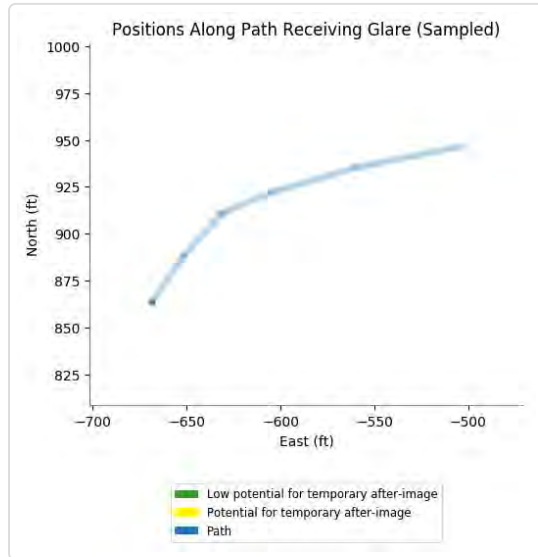
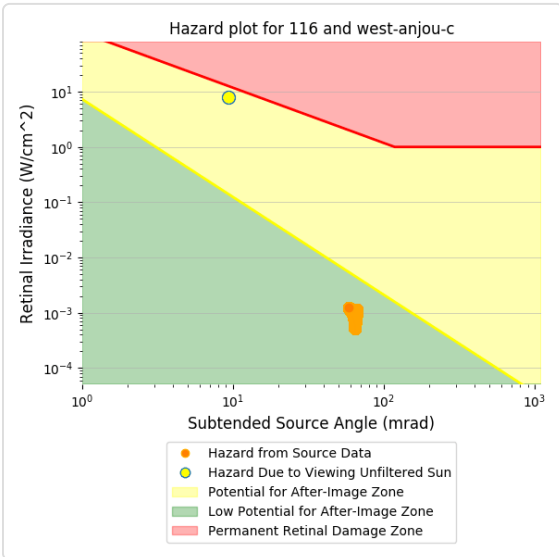
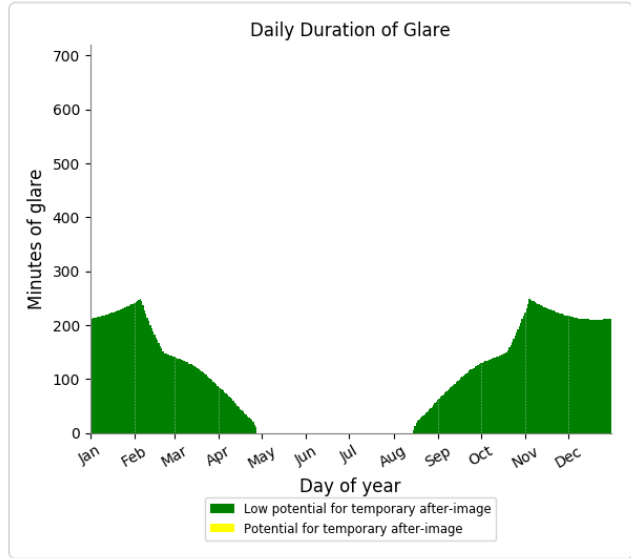
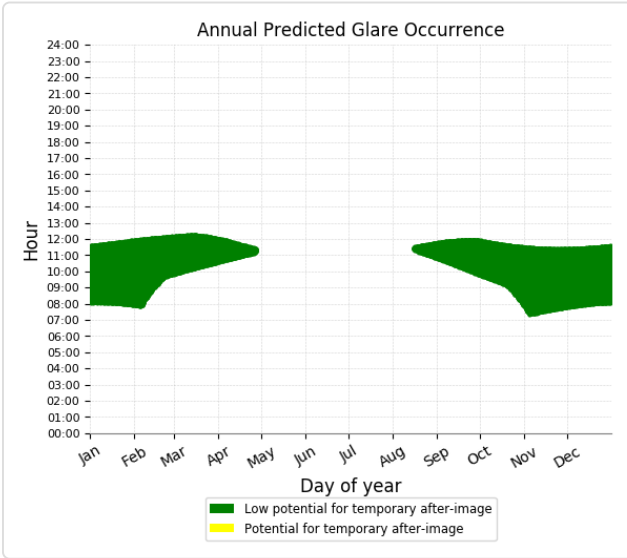
116 - Route Receptor (Thomas Road Braeburn Court)

No glare found

116 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 39,218 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



117 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	38106	0

117 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

117 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

117 - Receptor (Hornback Airstrip Northbound)

No glare found

117 - Receptor (Hornback Airstrip Southbound)

No glare found

117 - Receptor (Oz Airport NE Bound)

No glare found

117 - Receptor (Oz Airport SW Bound)

No glare found

117 - Receptor (Vine Grove Airport NW Bound)

No glare found

117 - Receptor (Vine Grove Airport SE Bound)

No glare found

117 - OP Receptor (OP 1)

No glare found

117 - OP Receptor (OP 2)

No glare found

117 - OP Receptor (OP 3)

No glare found

117 - OP Receptor (OP 4)

No glare found

117 - OP Receptor (OP 5)

No glare found

117 - OP Receptor (OP 6)

No glare found

117 - OP Receptor (OP 7)

No glare found

117 - OP Receptor (OP 8)

No glare found

117 - OP Receptor (OP 9)

No glare found

117 - OP Receptor (OP 10)

No glare found

117 - OP Receptor (OP 11)

No glare found

117 - OP Receptor (OP 12)

No glare found

117 - OP Receptor (OP 13)

No glare found

117 - OP Receptor (OP 14)

No glare found

117 - OP Receptor (OP 15)

No glare found

117 - OP Receptor (OP 16)

No glare found

117 - OP Receptor (OP 17)

No glare found

117 - OP Receptor (OP 18)

No glare found

117 - OP Receptor (OP 19)

No glare found

117 - OP Receptor (OP 20)

No glare found

117 - OP Receptor (OP 21)

No glare found

117 - OP Receptor (OP 22)

No glare found

117 - OP Receptor (OP 23)

No glare found

117 - OP Receptor (OP 24)

No glare found

117 - OP Receptor (OP 25)

No glare found

117 - OP Receptor (OP 26)

No glare found

117 - OP Receptor (OP 27)

No glare found

117 - OP Receptor (OP 28)

No glare found

117 - OP Receptor (OP 29)

No glare found

117 - OP Receptor (OP 30)

No glare found

117 - OP Receptor (OP 31)

No glare found

117 - OP Receptor (OP 32)

No glare found

117 - OP Receptor (OP 33)

No glare found

117 - OP Receptor (OP 34)

No glare found

117 - OP Receptor (OP 35)

No glare found

117 - OP Receptor (OP 36)

No glare found

117 - OP Receptor (OP 37)

No glare found

117 - OP Receptor (OP 38)

No glare found

117 - OP Receptor (OP 39)

No glare found

117 - OP Receptor (OP 40)

No glare found

117 - Route Receptor (Aiden Lane)

No glare found

117 - Route Receptor (Alcott Court Arden Court)

No glare found

117 - Route Receptor (Canton Road)

No glare found

117 - Route Receptor (Cecelia Road)

No glare found

117 - Route Receptor (Damson Trail)

No glare found

117 - Route Receptor (Goodman Lane)

No glare found

117 - Route Receptor (Hayden School Road)

No glare found

117 - Route Receptor (Hopewell Court Radford Court)

No glare found

117 - Route Receptor (Kitty Hawk Drive)

No glare found

117 - Route Receptor (St John Road)

No glare found

117 - Route Receptor (Thomas Cecelia road)

No glare found

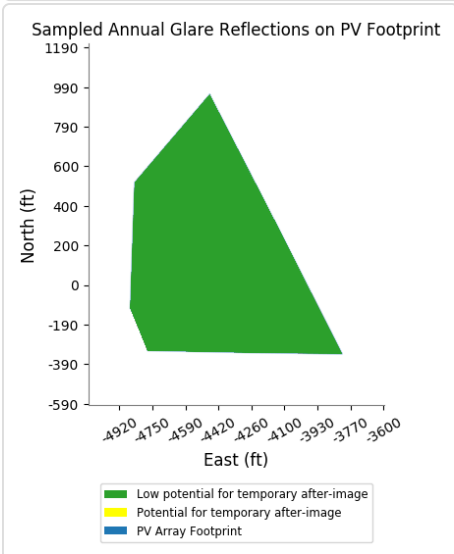
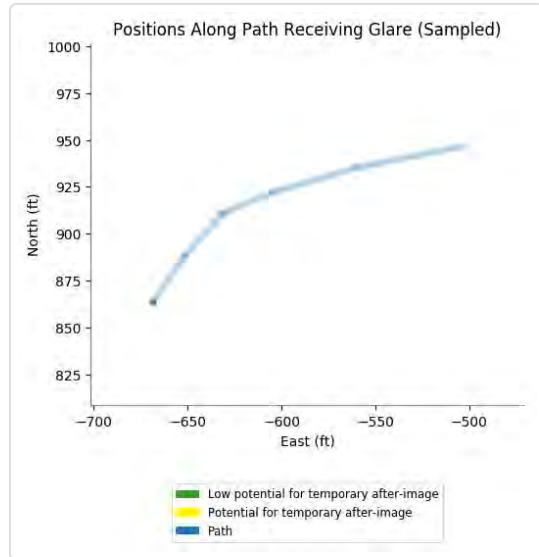
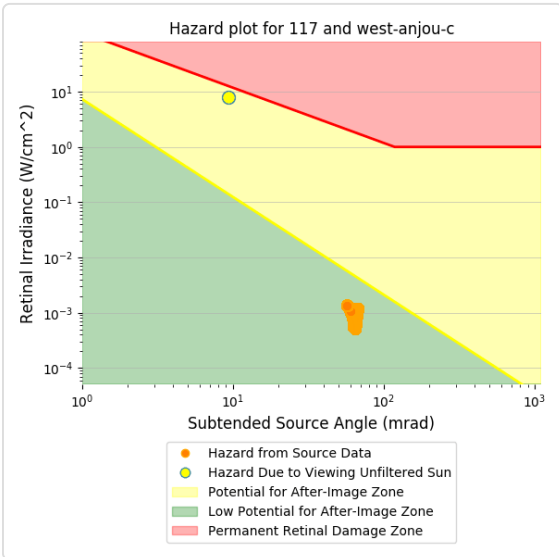
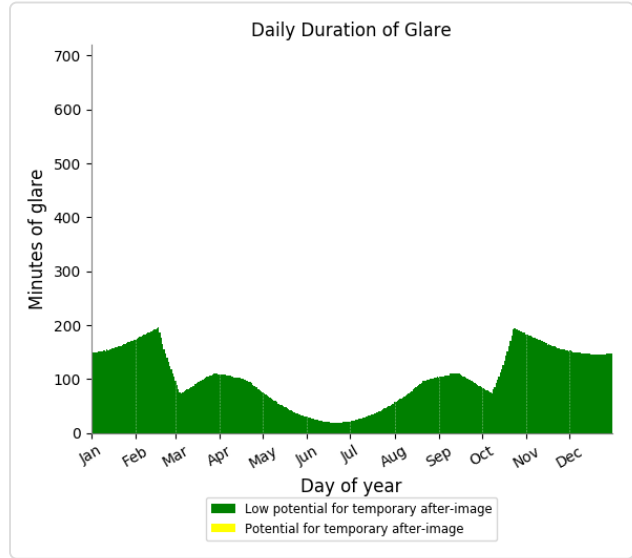
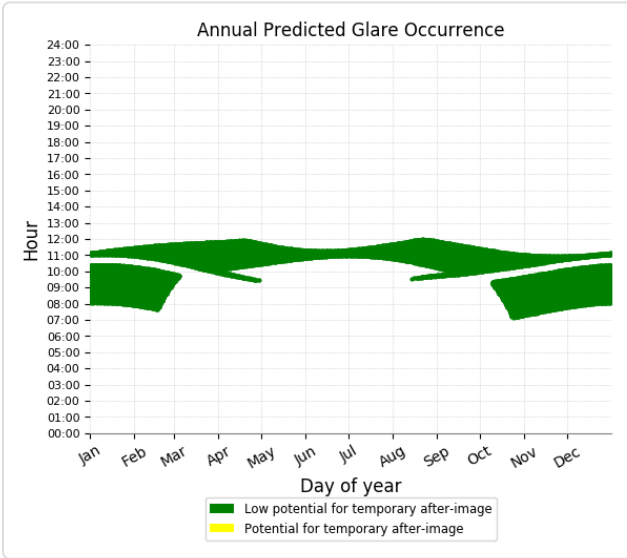
117 - Route Receptor (Thomas Road Braeburn Court)

No glare found

117 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 38,106 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	22079	0

118 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

118 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

118 - Receptor (Hornback Airstrip Northbound)

No glare found

118 - Receptor (Hornback Airstrip Southbound)

No glare found

118 - Receptor (Oz Airport NE Bound)

No glare found

118 - Receptor (Oz Airport SW Bound)

No glare found

118 - Receptor (Vine Grove Airport NW Bound)

No glare found

118 - Receptor (Vine Grove Airport SE Bound)

No glare found

118 - OP Receptor (OP 1)

No glare found

118 - OP Receptor (OP 2)

No glare found

118 - OP Receptor (OP 3)

No glare found

118 - OP Receptor (OP 4)

No glare found

118 - OP Receptor (OP 5)

No glare found

118 - OP Receptor (OP 6)

No glare found

118 - OP Receptor (OP 7)

No glare found

118 - OP Receptor (OP 8)

No glare found

118 - OP Receptor (OP 9)

No glare found

118 - OP Receptor (OP 10)

No glare found

118 - OP Receptor (OP 11)

No glare found

118 - OP Receptor (OP 12)

No glare found

118 - OP Receptor (OP 13)

No glare found

118 - OP Receptor (OP 14)

No glare found

118 - OP Receptor (OP 15)

No glare found

118 - OP Receptor (OP 16)

No glare found

118 - OP Receptor (OP 17)

No glare found

118 - OP Receptor (OP 18)

No glare found

118 - OP Receptor (OP 19)

No glare found

118 - OP Receptor (OP 20)

No glare found

118 - OP Receptor (OP 21)

No glare found

118 - OP Receptor (OP 22)

No glare found

118 - OP Receptor (OP 23)

No glare found

118 - OP Receptor (OP 24)

No glare found

118 - OP Receptor (OP 25)

No glare found

118 - OP Receptor (OP 26)

No glare found

118 - OP Receptor (OP 27)

No glare found

118 - OP Receptor (OP 28)

No glare found

118 - OP Receptor (OP 29)

No glare found

118 - OP Receptor (OP 30)

No glare found

118 - OP Receptor (OP 31)

No glare found

118 - OP Receptor (OP 32)

No glare found

118 - OP Receptor (OP 33)

No glare found

118 - OP Receptor (OP 34)

No glare found

118 - OP Receptor (OP 35)

No glare found

118 - OP Receptor (OP 36)

No glare found

118 - OP Receptor (OP 37)

No glare found

118 - OP Receptor (OP 38)

No glare found

118 - OP Receptor (OP 39)

No glare found

118 - OP Receptor (OP 40)

No glare found

118 - Route Receptor (Aiden Lane)

No glare found

118 - Route Receptor (Alcott Court Arden Court)

No glare found

118 - Route Receptor (Canton Road)

No glare found

118 - Route Receptor (Cecelia Road)

No glare found

118 - Route Receptor (Damson Trail)

No glare found

118 - Route Receptor (Goodman Lane)

No glare found

118 - Route Receptor (Hayden School Road)

No glare found

118 - Route Receptor (Hopewell Court Radford Court)

No glare found

118 - Route Receptor (Kitty Hawk Drive)

No glare found

118 - Route Receptor (St John Road)

No glare found

118 - Route Receptor (Thomas Cecelia road)

No glare found

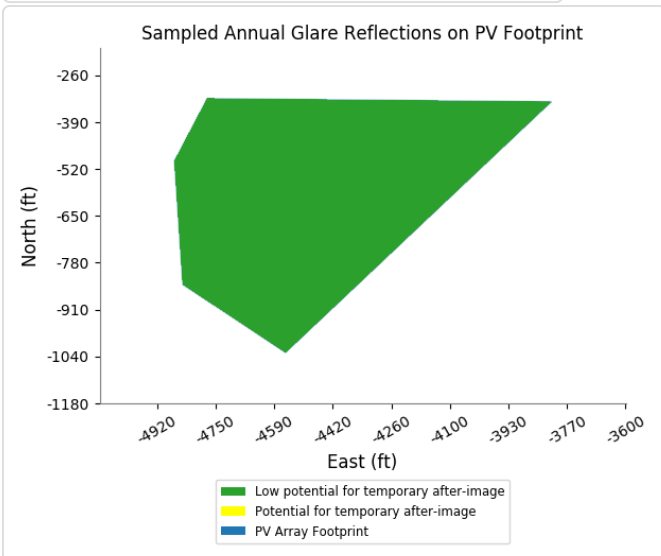
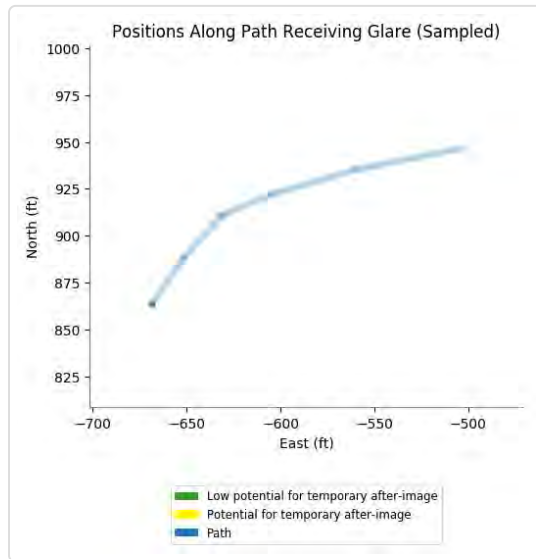
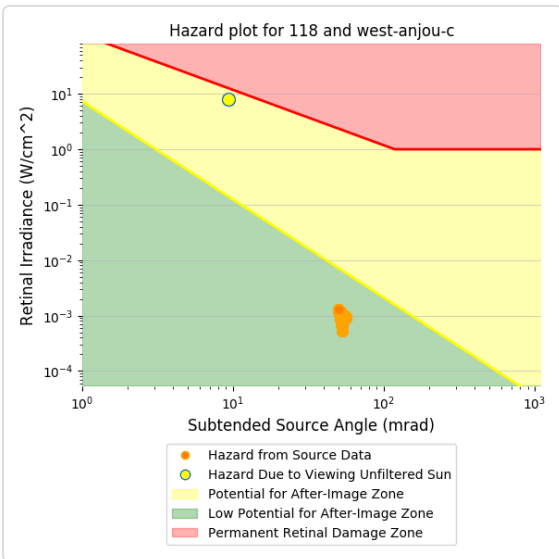
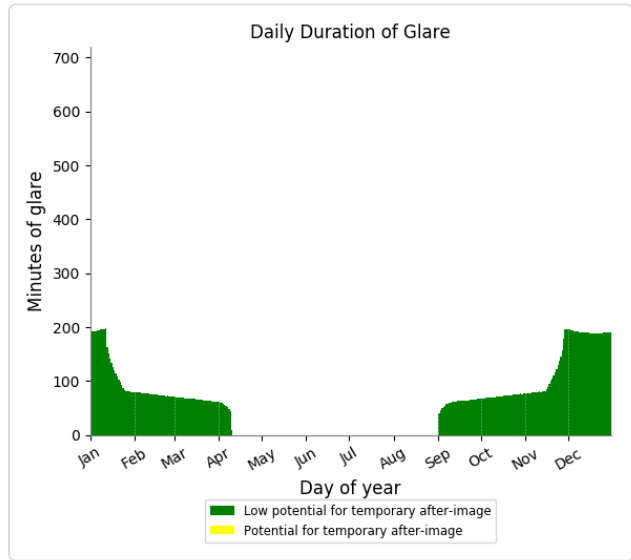
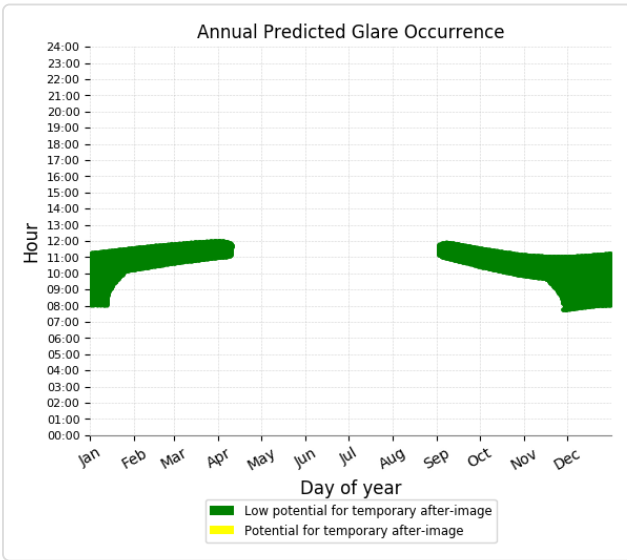
118 - Route Receptor (Thomas Road Braeburn Court)

No glare found

118 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 22,079 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not account for physical obstructions between reflectors and receptors. This includes buildings, tree cover and geographic obstructions
- Detailed system geometry is not rigorously simulated.
- The glare hazard determination relies on several approximations including observer eye characteristics, angle of view, and typical blink response time. Actual values and results may vary.
- The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.
- Several V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results for large PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare.
- The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)
- Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.
- Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
- Glare vector plots are simplified representations of analysis data. Actual glare emanations and results may differ.
- Refer to the **Help page** for detailed assumptions and limitations not listed here.

Telesto Solar

Block 1 8 ft pan 5 ft veh gp 1 houses

Created March 18, 2022
 Updated March 22, 2022
 Time-step 1 minute
 Timezone offset UTC-5
 Site ID 66343.11731

Project type Advanced
 Project status: active
 Category 100 to 500 kW

Misc. Analysis Settings

DNI: varies (1,000.0 W/m² peak)
 Ocular transmission coefficient: 0.5
 Pupil diameter: 0.002 m
 Eye focal length: 0.017 m
 Sun subtended angle: 9.3 mrad

Analysis Methodologies:

- Observation point: **Version 2**
- 2-Mile Flight Path: **Version 2**
- Route: **Version 2**

Summary of Results Glare with low potential for temporary after-image predicted

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced
	deg	deg	min	min	kWh
101	SA tracking	SA tracking	0	0	-
102	SA tracking	SA tracking	0	0	-
103	SA tracking	SA tracking	0	0	-
104	SA tracking	SA tracking	0	0	-
105	SA tracking	SA tracking	7,512	0	-
106	SA tracking	SA tracking	3,911	0	-
107	SA tracking	SA tracking	18,412	0	-
108	SA tracking	SA tracking	18,874	0	-
109	SA tracking	SA tracking	33,463	0	-
110	SA tracking	SA tracking	55,997	0	-
111	SA tracking	SA tracking	18,910	0	-
112	SA tracking	SA tracking	17,314	0	-
113	SA tracking	SA tracking	21,198	0	-
114	SA tracking	SA tracking	20,353	0	-
115	SA tracking	SA tracking	26,922	0	-
116	SA tracking	SA tracking	39,215	0	-
117	SA tracking	SA tracking	38,127	0	-
118	SA tracking	SA tracking	22,116	0	-

Component Data

PV Array(s)

Total PV footprint area: 176.7 acres

Name: 101
Footprint area: 3.4 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.687640	-85.932333	793.92	8.00	801.92
2	37.686804	-85.932269	773.47	8.00	781.47
3	37.685651	-85.933770	769.65	8.00	777.65
4	37.686528	-85.933861	777.64	8.00	785.64

Name: 102
Footprint area: 12.7 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.693775	-85.931505	802.78	8.00	810.78
2	37.693783	-85.931103	806.62	8.00	814.62
3	37.693393	-85.931103	805.37	8.00	813.37
4	37.693333	-85.930556	811.53	8.00	819.53
5	37.692989	-85.930041	811.25	8.00	819.25
6	37.692319	-85.930052	810.68	8.00	818.68
7	37.690084	-85.931859	804.90	8.00	812.90
8	37.690110	-85.932081	800.32	8.00	808.32
9	37.690737	-85.932608	797.62	8.00	805.62
10	37.692205	-85.932416	796.09	8.00	804.09
11	37.692964	-85.931601	805.77	8.00	813.77

Name: 103

Footprint area: 9.8 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.694067	-85.933919	808.24	8.00	816.24
2	37.694071	-85.933640	810.15	8.00	818.15
3	37.693328	-85.933544	800.70	8.00	808.70
4	37.692598	-85.933608	810.87	8.00	818.87
5	37.690446	-85.935180	799.11	8.00	807.11
6	37.691007	-85.935726	805.91	8.00	813.91
7	37.691840	-85.935853	808.86	8.00	816.87

Name: 104

Footprint area: 10.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.690444	-85.935182	799.14	8.00	807.14
2	37.689896	-85.935172	799.54	8.00	807.54
3	37.689877	-85.934922	795.55	8.00	803.55
4	37.690291	-85.934740	797.27	8.00	805.27
5	37.689934	-85.934249	795.31	8.00	803.31
6	37.689543	-85.934338	790.87	8.00	798.87
7	37.688953	-85.934434	789.93	8.00	797.93
8	37.688595	-85.933364	782.04	8.00	790.04
9	37.689189	-85.932975	788.12	8.00	796.12
10	37.689770	-85.932946	795.54	8.00	803.54
11	37.690403	-85.933675	798.81	8.00	806.81
12	37.691190	-85.933629	796.65	8.00	804.65
13	37.691841	-85.933297	798.82	8.00	806.82
14	37.692985	-85.933252	802.55	8.00	810.55
15	37.692594	-85.933611	810.96	8.00	818.97
16	37.691689	-85.934277	813.57	8.00	821.57

Name: 105

Footprint area: 1.3 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.689565	-85.937104	775.52	8.00	783.52
2	37.688869	-85.937122	769.20	8.00	777.20
3	37.688733	-85.937901	765.41	8.00	773.41
4	37.689363	-85.937926	772.87	8.00	780.87



Name: 106

Footprint area: 7.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.684724	-85.935089	757.03	8.00	765.03
2	37.685594	-85.935126	765.13	8.00	773.13
3	37.688074	-85.935469	786.59	8.00	794.59
4	37.688052	-85.936156	777.97	8.00	785.97
5	37.686346	-85.936113	774.41	8.00	782.41
6	37.684304	-85.936022	773.13	8.00	781.13



Name: 107

Footprint area: 23.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688468	-85.937052	768.87	8.00	776.87
2	37.684469	-85.936676	776.90	8.00	784.90
3	37.684087	-85.937266	764.74	8.00	772.74
4	37.685688	-85.940458	760.44	8.00	768.44
5	37.686465	-85.940480	757.44	8.00	765.45

Name: 108

Footprint area: 1.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.687923	-85.942682	746.01	8.00	754.02
2	37.687815	-85.942368	760.81	8.00	768.81
3	37.688176	-85.942371	750.83	8.00	758.83
4	37.688173	-85.942317	751.99	8.00	759.99
5	37.687796	-85.942314	762.20	8.00	770.21
6	37.687607	-85.941622	768.22	8.00	776.22
7	37.686947	-85.941647	748.74	8.00	756.74
8	37.687333	-85.942770	745.08	8.00	753.08

Name: 109

Footprint area: 8.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691419	-85.944527	768.69	8.00	776.69
2	37.691236	-85.943937	767.33	8.00	775.33
3	37.690031	-85.943980	757.24	8.00	765.24
4	37.689640	-85.943127	749.01	8.00	757.01
5	37.688515	-85.943159	749.94	8.00	757.94
6	37.688209	-85.943331	746.17	8.00	754.17
7	37.687972	-85.943744	744.48	8.00	752.48
8	37.688193	-85.944259	749.11	8.00	757.11
9	37.688846	-85.944254	754.05	8.00	762.05
10	37.689080	-85.944785	751.10	8.00	759.10
11	37.690574	-85.944940	762.10	8.00	770.10
12	37.690536	-85.944731	759.58	8.00	767.58

Name: 110

Footprint area: 6.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691245	-85.943948	767.33	8.00	775.33
2	37.691122	-85.943578	765.33	8.00	773.33
3	37.692637	-85.943296	766.81	8.00	774.81
4	37.694271	-85.942993	773.40	8.00	781.40
5	37.694331	-85.943701	783.11	8.00	791.11
6	37.694021	-85.943932	782.59	8.00	790.59
7	37.691419	-85.944527	768.69	8.00	776.69

Name: 111

Footprint area: 15.2 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

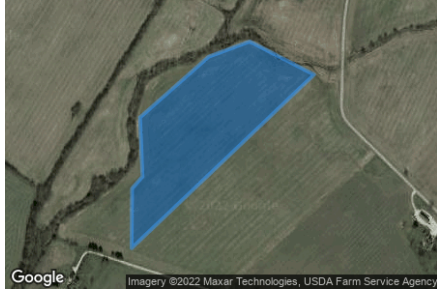
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685807	-85.945568	738.12	8.00	746.12
2	37.686872	-85.944044	742.46	8.00	750.46
3	37.687140	-85.943132	744.46	8.00	752.46
4	37.686558	-85.941706	749.30	8.00	757.30
5	37.683510	-85.945756	744.21	8.00	752.21
6	37.684559	-85.945745	737.82	8.00	745.82
7	37.684767	-85.945514	738.67	8.00	746.67

Name: 112

Footprint area: 16.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.686562	-85.941711	749.30	8.00	757.30
2	37.686571	-85.941561	748.53	8.00	756.53
3	37.686384	-85.941335	749.32	8.00	757.32
4	37.684805	-85.941233	758.23	8.00	766.23
5	37.683077	-85.943739	754.87	8.00	762.87
6	37.683510	-85.945782	744.22	8.00	752.22

Name: 113

Footprint area: 3.3 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692028	-85.951355	775.39	8.00	783.39
2	37.692890	-85.951242	786.66	8.00	794.66
3	37.693599	-85.950904	795.76	8.00	803.76
4	37.693590	-85.950277	795.30	8.00	803.30
5	37.691773	-85.950529	775.56	8.00	783.56



Name: 114

Footprint area: 2.0 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692661	-85.949874	773.91	8.00	781.91
2	37.693246	-85.949520	783.73	8.00	791.73
3	37.693255	-85.949177	784.03	8.00	792.03
4	37.691795	-85.949268	773.92	8.00	781.92
5	37.691816	-85.949874	767.55	8.00	775.55



Name: 115

Footprint area: 9.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.690733	-85.949692	764.64	8.00	772.64
2	37.692614	-85.948437	776.09	8.00	784.09
3	37.692627	-85.948308	776.60	8.00	784.60
4	37.691362	-85.947541	767.38	8.00	775.38
5	37.690627	-85.947578	762.77	8.00	770.77
6	37.689833	-85.948850	757.70	8.00	765.70
7	37.689876	-85.949515	757.21	8.00	765.21
8	37.690474	-85.949831	761.04	8.00	769.04

Name: 116

Footprint area: 16.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691485	-85.947160	769.39	8.00	777.39
2	37.691616	-85.946720	774.02	8.00	782.02
3	37.690738	-85.946688	764.60	8.00	772.60
4	37.690733	-85.946639	763.98	8.00	771.98
5	37.690186	-85.946307	759.56	8.00	767.56
6	37.689630	-85.945137	750.16	8.00	758.16
7	37.688517	-85.944778	752.98	8.00	760.98
8	37.688000	-85.944558	749.08	8.00	757.08
9	37.687409	-85.944504	742.72	8.00	750.72
10	37.686717	-85.945518	740.62	8.00	748.63
11	37.688315	-85.946556	759.35	8.00	767.35
12	37.689937	-85.947615	767.32	8.00	775.32
13	37.690233	-85.947783	763.44	8.00	771.44
14	37.690654	-85.947365	763.60	8.00	771.60

Name: 117

Footprint area: 18.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

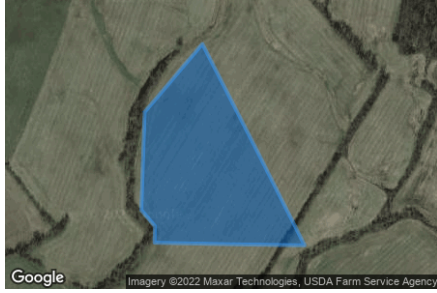
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.690238	-85.947789	763.20	8.00	771.20
2	37.689041	-85.949071	758.11	8.00	766.11
3	37.687321	-85.949146	749.45	8.00	757.45
4	37.687037	-85.948840	746.41	8.00	754.41
5	37.686748	-85.948851	746.50	8.00	754.50
6	37.686721	-85.947175	752.20	8.00	760.21
7	37.686701	-85.945520	740.01	8.00	748.01
8	37.688482	-85.946654	756.68	8.00	764.68

Name: 118

Footprint area: 10.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.686714	-85.945530	740.21	8.00	748.21
2	37.684791	-85.948095	745.54	8.00	753.54
3	37.685313	-85.949087	743.09	8.00	751.09
4	37.686260	-85.949167	746.31	8.00	754.31
5	37.686740	-85.948851	746.45	8.00	754.45

2-Mile Flight Path Receptor(s)

Name: Elizabethtown Regional Airport Runway 23
Description:
Threshold height : 50 ft
Direction: 225.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



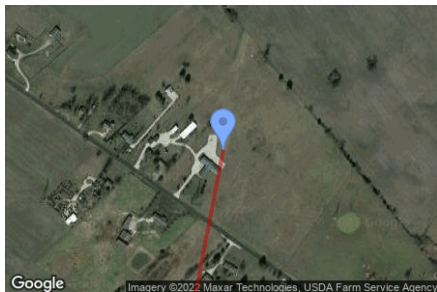
Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.691634	-85.917563	769.91	50.00	819.91
2-mile point	37.711924	-85.891503	745.53	627.83	1373.37

Name: Elizabethtown Regional Airport Runway 5
Description:
Threshold height : 50 ft
Direction: 49.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.680407	-85.932519	751.25	50.00	801.26
2-mile point	37.661653	-85.960355	690.06	664.65	1354.71

Name: Hornback Airstrip Northbound
Description:
Threshold height : 50 ft
Direction: 11.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.620818	-85.791738	782.24	50.00	832.24
2-mile point	37.592433	-85.798686	723.03	662.67	1385.70

Name: Hornback Airstrip Southbound
Description:
Threshold height : 50 ft
Direction: 194.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.625076	-85.790590	733.51	50.00	783.52
2-mile point	37.653055	-85.781377	827.86	509.11	1336.97

Name: Oz Airport NE Bound
Description:
Threshold height : 50 ft
Direction: 313.3 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



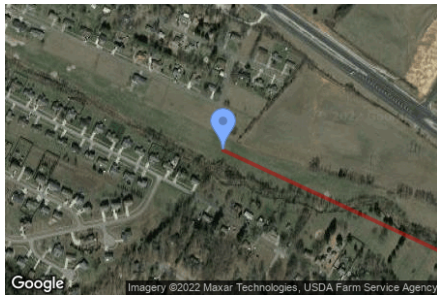
Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.652149	-85.809356	834.93	50.00	884.94
2-mile point	37.632309	-85.782761	773.96	664.43	1438.39

Name: Oz Airport SW Bound
Description:
Threshold height : 50 ft
Direction: 140.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.658203	-85.816375	817.66	50.00	867.66
2-mile point	37.680468	-85.839701	791.67	629.45	1421.12

Name: Vine Grove Airport NW Bound
Description:
Threshold height : 50 ft
Direction: 294.9 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.814237	-85.961318	684.17	50.00	734.17
2-mile point	37.802059	-85.928086	754.23	533.39	1287.62

Name: Vine Grove Airport SE Bound
Description:
Threshold height : 50 ft
Direction: 117.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.816483	-85.967294	676.33	50.00	726.33
2-mile point	37.829855	-85.999781	668.90	610.89	1279.79

Route Receptor(s)

Name: Aiden Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.695693	-85.925773	797.79	5.00	802.79
2	37.694767	-85.926696	806.53	5.00	811.53
3	37.693664	-85.927736	791.96	5.00	796.96
4	37.693163	-85.928305	792.44	5.00	797.44
5	37.693112	-85.928380	794.16	5.00	799.16
6	37.692526	-85.928026	791.22	5.00	796.22
7	37.692322	-85.927940	792.92	5.00	797.92
8	37.691244	-85.928015	789.79	5.00	794.79
9	37.690973	-85.928283	783.04	5.00	788.04
10	37.690124	-85.929442	783.68	5.00	788.68
11	37.689741	-85.929764	785.75	5.00	790.75
12	37.688875	-85.928755	775.45	5.00	780.45

Name: Alcott Court Arden Court
Route type: Two-way
View angle: 50.0 deg



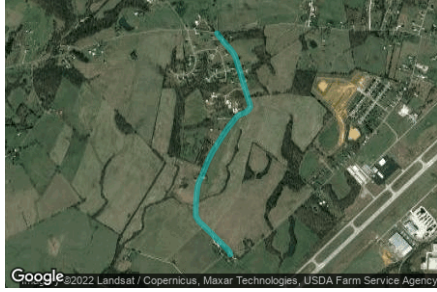
Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.693019	-85.927157	795.31	5.00	800.31
2	37.693613	-85.926556	799.43	5.00	804.43
3	37.694385	-85.925848	798.49	5.00	803.49
4	37.695158	-85.925108	789.46	5.00	794.46
5	37.695438	-85.924839	785.25	5.00	790.26

Name: Canton Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.694835	-85.926610	808.38	5.00	813.38
2	37.694385	-85.925827	798.12	5.00	803.12
3	37.693689	-85.924721	788.30	5.00	793.30
4	37.693197	-85.923852	775.38	5.00	780.38

Name: Cecelia Road
Route type: Two-way
View angle: 50.0 deg



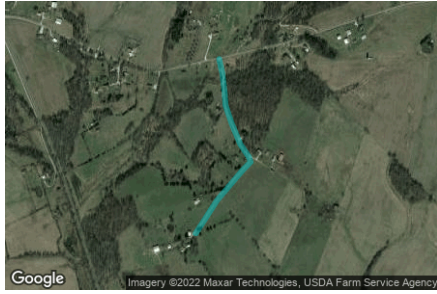
Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.698822	-85.939183	833.50	5.00	838.50
2	37.698321	-85.938711	826.58	5.00	831.58
3	37.697659	-85.937960	825.48	5.00	830.48
4	37.697332	-85.937670	823.31	5.00	828.31
5	37.697073	-85.937525	821.58	5.00	826.58
6	37.695668	-85.936994	817.19	5.00	822.19
7	37.694191	-85.936415	825.18	5.00	830.18
8	37.693809	-85.936259	826.50	5.00	831.50
9	37.693609	-85.936243	826.66	5.00	831.66
10	37.693427	-85.936383	824.24	5.00	829.25
11	37.693236	-85.936689	821.68	5.00	826.68
12	37.693087	-85.937171	823.65	5.00	828.65
13	37.692956	-85.937429	822.72	5.00	827.72
14	37.692259	-85.938121	819.44	5.00	824.44
15	37.691729	-85.938593	813.69	5.00	818.69
16	37.691139	-85.939060	804.52	5.00	809.52
17	37.690523	-85.939548	795.99	5.00	800.99
18	37.690035	-85.939880	791.73	5.00	796.73
19	37.689356	-85.940245	784.66	5.00	789.66
20	37.688842	-85.940497	785.64	5.00	790.64
21	37.688324	-85.940803	770.22	5.00	775.22
22	37.687921	-85.940937	763.11	5.00	768.11
23	37.687201	-85.941034	755.74	5.00	760.74
24	37.686473	-85.941077	751.76	5.00	756.76
25	37.685926	-85.941071	757.26	5.00	762.26
26	37.685565	-85.940792	761.30	5.00	766.30
27	37.684788	-85.939773	760.35	5.00	765.35
28	37.684177	-85.939017	767.15	5.00	772.15
29	37.683795	-85.938523	765.05	5.00	770.05
30	37.683480	-85.938132	759.66	5.00	764.67
31	37.683238	-85.938008	758.76	5.00	763.76

Name: Damson Trail
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.697399	-85.941169	814.31	5.00	819.31
2	37.697586	-85.940321	806.56	5.00	811.56
3	37.697688	-85.939581	816.05	5.00	821.05
4	37.697560	-85.939066	813.73	5.00	818.73
5	37.697314	-85.938787	811.13	5.00	816.13
6	37.696571	-85.938556	809.91	5.00	814.91
7	37.696117	-85.938433	810.90	5.00	815.90

Name: Goodman Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.696730	-85.955781	757.93	5.00	762.93
2	37.696212	-85.955641	749.09	5.00	754.10
3	37.695567	-85.955545	755.60	5.00	760.60
4	37.695100	-85.955502	764.15	5.00	769.15
5	37.694446	-85.955223	777.53	5.00	782.53
6	37.693733	-85.954848	801.08	5.00	806.08
7	37.693292	-85.954472	808.08	5.00	813.08
8	37.693105	-85.954386	805.20	5.00	810.20
9	37.692816	-85.954740	803.47	5.00	808.47
10	37.692146	-85.955459	802.39	5.00	807.39
11	37.691764	-85.955867	801.25	5.00	806.25
12	37.690592	-85.956822	785.72	5.00	790.72

Name: Hayden School Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.677893	-85.946307	754.79	5.00	759.79
2	37.678674	-85.945138	768.63	5.00	773.63
3	37.679795	-85.943507	753.42	5.00	758.42
4	37.681103	-85.941576	755.61	5.00	760.61
5	37.682113	-85.940116	776.74	5.00	781.74
6	37.682793	-85.939087	763.42	5.00	768.42
7	37.683098	-85.938604	765.04	5.00	770.05
8	37.683260	-85.938014	758.32	5.00	763.32
9	37.683429	-85.937112	758.77	5.00	763.77
10	37.683540	-85.936447	765.86	5.00	770.86
11	37.683650	-85.936050	768.95	5.00	773.95
12	37.683854	-85.935696	767.94	5.00	772.94
13	37.685077	-85.933926	756.15	5.00	761.15
14	37.687286	-85.930871	776.58	5.00	781.58
15	37.689564	-85.927752	768.00	5.00	773.00
16	37.690619	-85.926370	778.56	5.00	783.56
17	37.691214	-85.925703	787.76	5.00	792.76
18	37.692691	-85.924285	778.43	5.00	783.43
19	37.694798	-85.922264	770.80	5.00	775.80

Name: Hopewell Court Radford Court
Route type: Two-way
View angle: 50.0 deg



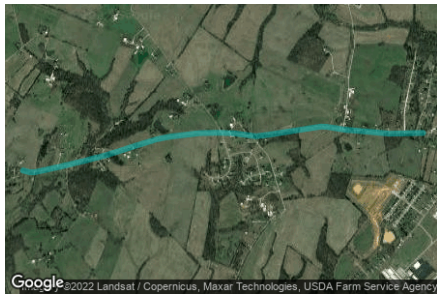
Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692501	-85.926481	791.65	5.00	796.65
2	37.693307	-85.925698	785.59	5.00	790.59
3	37.694165	-85.924861	791.70	5.00	796.70
4	37.695124	-85.923928	778.87	5.00	783.87

Name: Kitty Hawk Drive
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692618	-85.924376	779.14	5.00	784.15
2	37.691904	-85.923625	770.82	5.00	775.82
3	37.691565	-85.923196	772.85	5.00	777.85
4	37.691242	-85.923174	777.94	5.00	782.94
5	37.691853	-85.922230	773.71	5.00	778.72
6	37.693229	-85.920449	765.64	5.00	770.64
7	37.694146	-85.919205	759.18	5.00	764.18
8	37.694638	-85.918475	756.37	5.00	761.37
9	37.694757	-85.917917	754.37	5.00	759.37
10	37.694774	-85.917424	752.06	5.00	757.06
11	37.694180	-85.914699	737.10	5.00	742.10
12	37.693840	-85.913003	731.15	5.00	736.15
13	37.693534	-85.911759	727.17	5.00	732.17

Name: St John Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.696404	-85.959508	769.81	5.00	774.81
2	37.696285	-85.958907	757.90	5.00	762.90
3	37.696277	-85.958489	752.63	5.00	757.63
4	37.696642	-85.956365	759.00	5.00	764.00
5	37.697058	-85.954165	755.86	5.00	760.86
6	37.697508	-85.951987	773.93	5.00	778.93
7	37.698110	-85.949616	797.45	5.00	802.45
8	37.698590	-85.947670	810.71	5.00	815.71
9	37.698780	-85.946453	811.00	5.00	816.00
10	37.699026	-85.943847	819.36	5.00	824.36
11	37.699059	-85.942240	806.46	5.00	811.46
12	37.699006	-85.940679	821.09	5.00	826.09
13	37.698811	-85.938806	835.72	5.00	840.72
14	37.698905	-85.937792	815.95	5.00	820.95
15	37.699212	-85.935291	794.15	5.00	799.15
16	37.699486	-85.933100	771.48	5.00	776.48
17	37.699473	-85.932537	762.72	5.00	767.72
18	37.699261	-85.930876	777.94	5.00	782.94
19	37.699143	-85.929054	801.28	5.00	806.28
20	37.698991	-85.927000	778.10	5.00	783.10
21	37.699044	-85.923985	766.70	5.00	771.70

Name: Thomas Cecelia road
Route type: Two-way
View angle: 50.0 deg

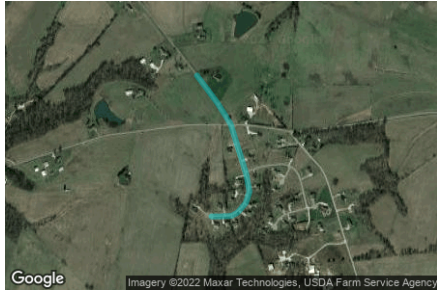


Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.678353	-85.945791	760.40	5.00	765.40
2	37.678778	-85.946005	760.49	5.00	765.49
3	37.679542	-85.947057	757.98	5.00	762.98
4	37.680476	-85.948323	754.72	5.00	759.72
5	37.681071	-85.949439	726.64	5.00	731.64
6	37.681240	-85.949996	727.39	5.00	732.39

Name: Thomas Road Braeburn Court

Route type: Two-way

View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.700803	-85.943336	834.13	5.00	839.13
2	37.699844	-85.942435	815.90	5.00	820.90
3	37.699097	-85.941845	810.08	5.00	815.08
4	37.698095	-85.941448	811.46	5.00	816.46
5	37.697323	-85.941147	815.09	5.00	820.09
6	37.696712	-85.941008	808.99	5.00	813.99
7	37.696313	-85.941169	799.74	5.00	804.74
8	37.695973	-85.941534	801.30	5.00	806.30
9	37.695854	-85.941812	800.69	5.00	805.69
10	37.695837	-85.942381	791.56	5.00	796.56
11	37.695837	-85.942692	786.56	5.00	791.56

Name: West Anjou Court

Route type: Two-way

View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.695421	-85.939913	5803.51	5.00	5808.51
2	37.695642	-85.939720	802.24	5.00	807.24
3	37.695846	-85.939495	806.96	5.00	811.96
4	37.695947	-85.939195	811.99	5.00	816.99
5	37.696066	-85.938680	811.22	5.00	816.22
6	37.696168	-85.938047	809.11	5.00	814.11

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	ft	ft	ft
OP 1	37.709227	-85.876066	769.34	500.02	1269.37
OP 2	37.693446	-85.953982	809.85	25.00	834.85
OP 3	37.690141	-85.957118	786.25	25.00	811.25
OP 4	37.693218	-85.954956	809.81	25.00	834.81
OP 5	37.693151	-85.956246	807.82	25.00	832.82
OP 6	37.694063	-85.954586	792.91	25.00	817.91
OP 7	37.694938	-85.955817	766.76	25.00	791.76
OP 8	37.696243	-85.957324	757.18	25.00	782.18
OP 9	37.695761	-85.958859	757.51	25.00	782.51
OP 10	37.697359	-85.954787	779.91	25.00	804.91
OP 11	37.697499	-85.953001	767.48	25.00	792.49
OP 12	37.696799	-85.952869	770.07	25.00	795.07
OP 13	37.697155	-85.951949	789.48	25.00	814.48
OP 14	37.697837	-85.949498	801.66	25.00	826.67
OP 15	37.698891	-85.948017	812.18	25.00	837.18
OP 16	37.698180	-85.941942	808.86	25.00	833.86
OP 17	37.697039	-85.941491	816.86	25.00	841.86
OP 18	37.696385	-85.941711	814.24	25.00	839.24
OP 19	37.696164	-85.942344	797.63	25.00	822.63
OP 20	37.696084	-85.943460	789.16	25.00	814.17
OP 21	37.695511	-85.942468	788.31	25.00	813.31
OP 22	37.695579	-85.941942	801.38	25.00	826.38
OP 23	37.695545	-85.941550	797.68	25.00	822.68
OP 24	37.695939	-85.941051	795.23	25.00	820.23
OP 25	37.696258	-85.940842	797.65	25.00	822.65
OP 26	37.696899	-85.940654	810.47	25.00	835.47
OP 27	37.695290	-85.940311	794.93	25.00	819.93
OP 28	37.695748	-85.940139	793.23	25.00	818.23
OP 29	37.695532	-85.939410	807.42	25.00	832.42
OP 30	37.694106	-85.939093	818.76	25.00	843.76
OP 31	37.692845	-85.939168	801.99	25.00	826.99
OP 32	37.693439	-85.937017	836.81	25.00	861.81
OP 33	37.691932	-85.939045	812.82	25.00	837.82
OP 34	37.691054	-85.939614	797.48	25.00	822.48
OP 35	37.688608	-85.940359	784.89	25.00	809.89
OP 36	37.683565	-85.939179	775.00	25.00	800.00
OP 37	37.682792	-85.938160	767.58	25.00	792.58
OP 38	37.686405	-85.930510	786.16	25.00	811.16
OP 39	37.687221	-85.930485	778.26	25.00	803.26
OP 40	37.688291	-85.930662	780.51	25.00	805.52

Summary of PV Glare Analysis

PV configuration and total predicted glare

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced	Data File
	deg	deg	min	min	kWh	
101	SA tracking	SA tracking	0	0	-	
102	SA tracking	SA tracking	0	0	-	
103	SA tracking	SA tracking	0	0	-	
104	SA tracking	SA tracking	0	0	-	
105	SA tracking	SA tracking	7,512	0	-	
106	SA tracking	SA tracking	3,911	0	-	
107	SA tracking	SA tracking	18,412	0	-	
108	SA tracking	SA tracking	18,874	0	-	
109	SA tracking	SA tracking	33,463	0	-	
110	SA tracking	SA tracking	55,997	0	-	
111	SA tracking	SA tracking	18,910	0	-	
112	SA tracking	SA tracking	17,314	0	-	
113	SA tracking	SA tracking	21,198	0	-	
114	SA tracking	SA tracking	20,353	0	-	
115	SA tracking	SA tracking	26,922	0	-	
116	SA tracking	SA tracking	39,215	0	-	
117	SA tracking	SA tracking	38,127	0	-	
118	SA tracking	SA tracking	22,116	0	-	

Distinct glare per month

Excludes overlapping glare from PV array for multiple receptors at matching time(s)

PV	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
105 (green)	1110	889	825	527	0	0	0	283	744	932	1044	1158
105 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
106 (green)	758	607	313	0	0	0	0	0	130	596	713	794
106 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
107 (green)	2898	2307	2100	861	0	0	0	300	1825	2407	2720	2994
107 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
108 (green)	1873	1615	1675	1477	1336	1148	1281	1446	1584	1746	1794	1899
108 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
109 (green)	5847	3042	2842	2052	601	0	154	1658	2551	3199	4705	6812
109 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
110 (green)	6353	7109	6381	3798	1889	610	1330	3066	5308	7789	6540	5824
110 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
111 (green)	2919	2336	2191	966	0	0	0	314	1985	2440	2741	3018
111 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
112 (green)	2714	2226	2142	597	0	0	0	138	1761	2361	2568	2807
112 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
113 (green)	0	594	3908	3122	2167	1141	1654	2930	3783	1899	0	0
113 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
114 (green)	0	916	3771	2690	2023	1092	1568	2629	3258	2406	0	0
114 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
115 (green)	1056	4205	4142	2738	1304	18	611	2421	3285	5014	2128	0
115 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
116 (green)	6948	5345	3685	1365	0	0	0	592	2905	4853	6957	6565
116 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
117 (green)	4909	4704	2904	2948	1555	657	1093	2573	3080	4123	5005	4576
117 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
118 (green)	4353	2115	2045	492	0	0	0	0	1758	2243	3195	5915
118 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0

PV & Receptor Analysis Results

Results for each PV array and receptor

101 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

102 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

103 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

104 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

105 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0

OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	7512	0

105 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

105 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

105 - Receptor (Hornback Airstrip Northbound)

No glare found

105 - Receptor (Hornback Airstrip Southbound)

No glare found

105 - Receptor (Oz Airport NE Bound)

No glare found

105 - Receptor (Oz Airport SW Bound)

No glare found

105 - Receptor (Vine Grove Airport NW Bound)

No glare found

105 - Receptor (Vine Grove Airport SE Bound)

No glare found

105 - OP Receptor (OP 1)

No glare found

105 - OP Receptor (OP 2)

No glare found

105 - OP Receptor (OP 3)

No glare found

105 - OP Receptor (OP 4)

No glare found

105 - OP Receptor (OP 5)

No glare found

105 - OP Receptor (OP 6)

No glare found

105 - OP Receptor (OP 7)

No glare found

105 - OP Receptor (OP 8)

No glare found

105 - OP Receptor (OP 9)

No glare found

105 - OP Receptor (OP 10)

No glare found

105 - OP Receptor (OP 11)

No glare found

105 - OP Receptor (OP 12)

No glare found

105 - OP Receptor (OP 13)

No glare found

105 - OP Receptor (OP 14)

No glare found

105 - OP Receptor (OP 15)

No glare found

105 - OP Receptor (OP 16)

No glare found

105 - OP Receptor (OP 17)

No glare found

105 - OP Receptor (OP 18)

No glare found

105 - OP Receptor (OP 19)

No glare found

105 - OP Receptor (OP 20)

No glare found

105 - OP Receptor (OP 21)

No glare found

105 - OP Receptor (OP 22)

No glare found

105 - OP Receptor (OP 23)

No glare found

105 - OP Receptor (OP 24)

No glare found

105 - OP Receptor (OP 25)

No glare found

105 - OP Receptor (OP 26)

No glare found

105 - OP Receptor (OP 27)

No glare found

105 - OP Receptor (OP 28)

No glare found

105 - OP Receptor (OP 29)

No glare found

105 - OP Receptor (OP 30)

No glare found

105 - OP Receptor (OP 31)

No glare found

105 - OP Receptor (OP 32)

No glare found

105 - OP Receptor (OP 33)

No glare found

105 - OP Receptor (OP 34)

No glare found

105 - OP Receptor (OP 35)

No glare found

105 - OP Receptor (OP 36)

No glare found

105 - OP Receptor (OP 37)

No glare found

105 - OP Receptor (OP 38)

No glare found

105 - OP Receptor (OP 39)

No glare found

105 - OP Receptor (OP 40)

No glare found

105 - Route Receptor (Aiden Lane)

No glare found

105 - Route Receptor (Alcott Court Arden Court)

No glare found

105 - Route Receptor (Canton Road)

No glare found

105 - Route Receptor (Cecelia Road)

No glare found

105 - Route Receptor (Damson Trail)

No glare found

105 - Route Receptor (Goodman Lane)

No glare found

105 - Route Receptor (Hayden School Road)

No glare found

105 - Route Receptor (Hopewell Court Radford Court)

No glare found

105 - Route Receptor (Kitty Hawk Drive)

No glare found

105 - Route Receptor (St John Road)

No glare found

105 - Route Receptor (Thomas Cecelia road)

No glare found

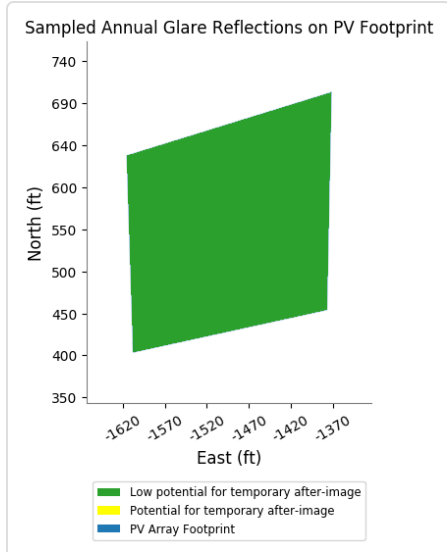
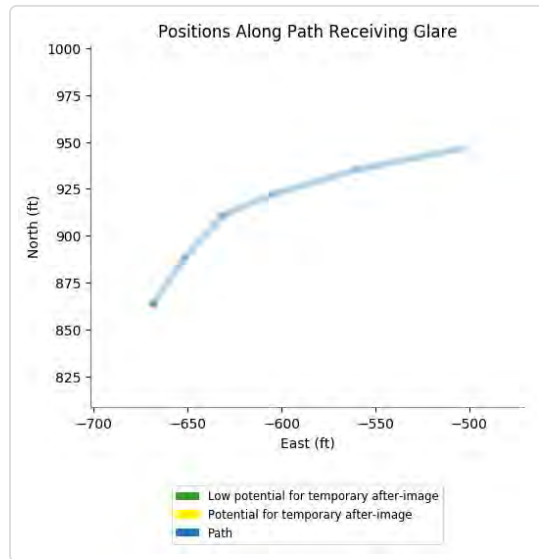
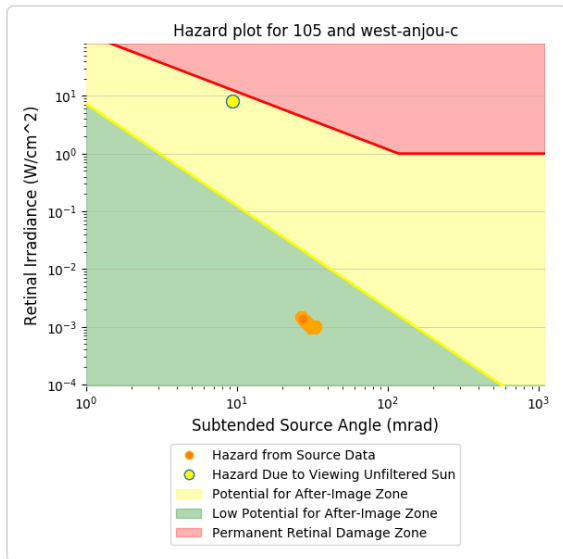
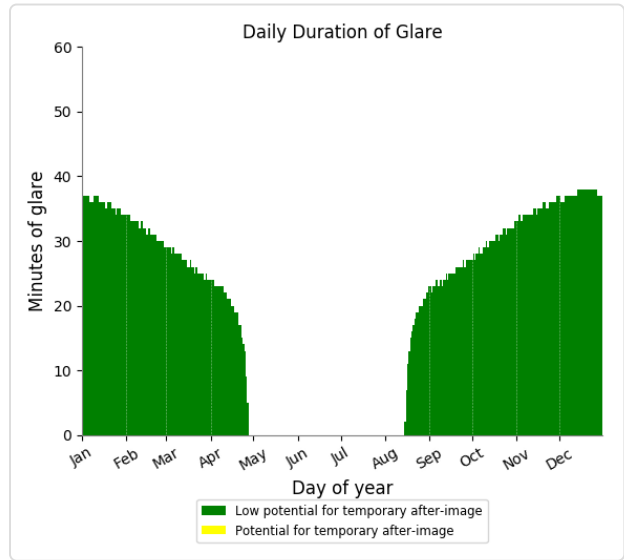
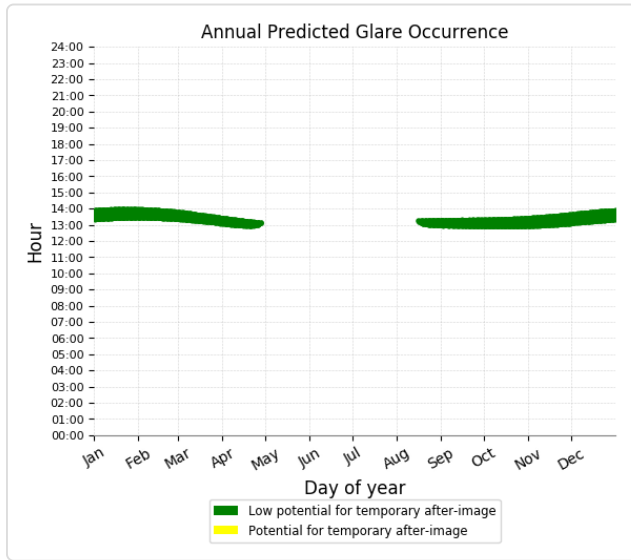
105 - Route Receptor (Thomas Road Braeburn Court)

No glare found

105 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 7,512 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	3911	0

106 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

106 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

106 - Receptor (Hornback Airstrip Northbound)

No glare found

106 - Receptor (Hornback Airstrip Southbound)

No glare found

106 - Receptor (Oz Airport NE Bound)

No glare found

106 - Receptor (Oz Airport SW Bound)

No glare found

106 - Receptor (Vine Grove Airport NW Bound)

No glare found

106 - Receptor (Vine Grove Airport SE Bound)

No glare found

106 - OP Receptor (OP 1)

No glare found

106 - OP Receptor (OP 2)

No glare found

106 - OP Receptor (OP 3)

No glare found

106 - OP Receptor (OP 4)

No glare found

106 - OP Receptor (OP 5)

No glare found

106 - OP Receptor (OP 6)

No glare found

106 - OP Receptor (OP 7)

No glare found

106 - OP Receptor (OP 8)

No glare found

106 - OP Receptor (OP 9)

No glare found

106 - OP Receptor (OP 10)

No glare found

106 - OP Receptor (OP 11)

No glare found

106 - OP Receptor (OP 12)

No glare found

106 - OP Receptor (OP 13)

No glare found

106 - OP Receptor (OP 14)

No glare found

106 - OP Receptor (OP 15)

No glare found

106 - OP Receptor (OP 16)

No glare found

106 - OP Receptor (OP 17)

No glare found

106 - OP Receptor (OP 18)

No glare found

106 - OP Receptor (OP 19)

No glare found

106 - OP Receptor (OP 20)

No glare found

106 - OP Receptor (OP 21)

No glare found

106 - OP Receptor (OP 22)

No glare found

106 - OP Receptor (OP 23)

No glare found

106 - OP Receptor (OP 24)

No glare found

106 - OP Receptor (OP 25)

No glare found

106 - OP Receptor (OP 26)

No glare found

106 - OP Receptor (OP 27)

No glare found

106 - OP Receptor (OP 28)

No glare found

106 - OP Receptor (OP 29)

No glare found

106 - OP Receptor (OP 30)

No glare found

106 - OP Receptor (OP 31)

No glare found

106 - OP Receptor (OP 32)

No glare found

106 - OP Receptor (OP 33)

No glare found

106 - OP Receptor (OP 34)

No glare found

106 - OP Receptor (OP 35)

No glare found

106 - OP Receptor (OP 36)

No glare found

106 - OP Receptor (OP 37)

No glare found

106 - OP Receptor (OP 38)

No glare found

106 - OP Receptor (OP 39)

No glare found

106 - OP Receptor (OP 40)

No glare found

106 - Route Receptor (Aiden Lane)

No glare found

106 - Route Receptor (Alcott Court Arden Court)

No glare found

106 - Route Receptor (Canton Road)

No glare found

106 - Route Receptor (Cecelia Road)

No glare found

106 - Route Receptor (Damson Trail)

No glare found

106 - Route Receptor (Goodman Lane)

No glare found

106 - Route Receptor (Hayden School Road)

No glare found

106 - Route Receptor (Hopewell Court Radford Court)

No glare found

106 - Route Receptor (Kitty Hawk Drive)

No glare found

106 - Route Receptor (St John Road)

No glare found

106 - Route Receptor (Thomas Cecelia road)

No glare found

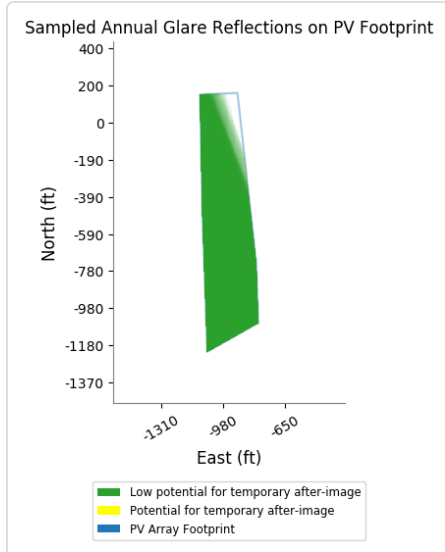
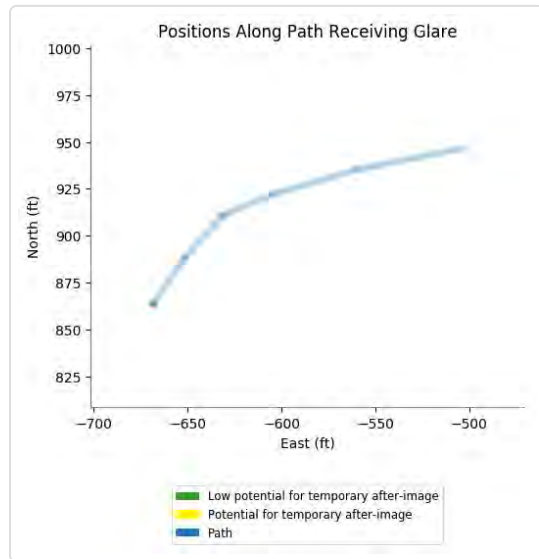
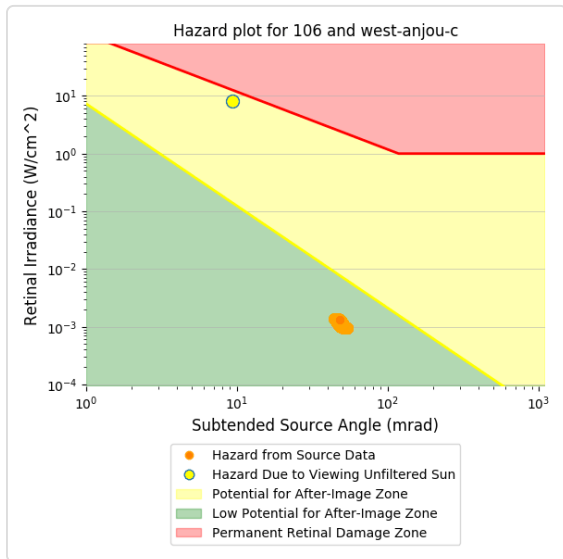
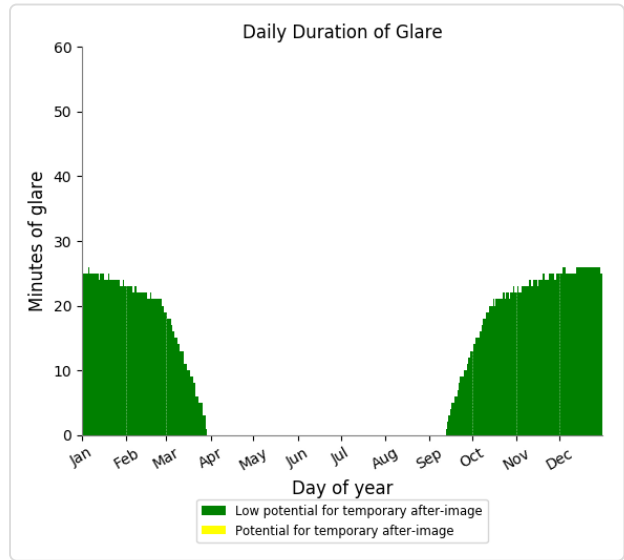
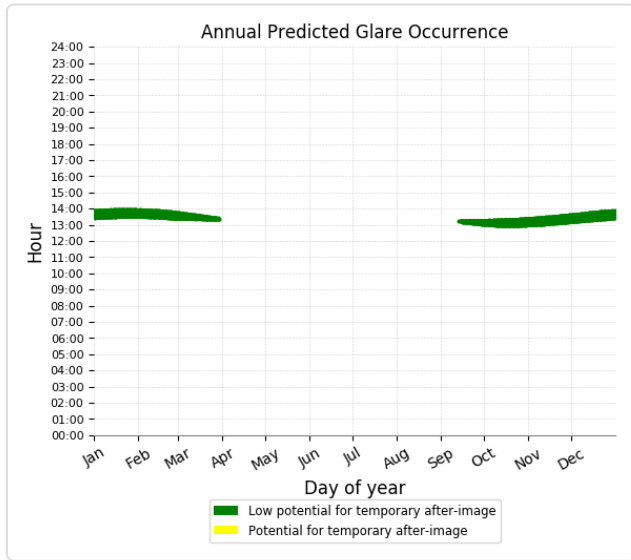
106 - Route Receptor (Thomas Road Braeburn Court)

No glare found

106 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 3,911 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	18412	0

107 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

107 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

107 - Receptor (Hornback Airstrip Northbound)

No glare found

107 - Receptor (Hornback Airstrip Southbound)

No glare found

107 - Receptor (Oz Airport NE Bound)

No glare found

107 - Receptor (Oz Airport SW Bound)

No glare found

107 - Receptor (Vine Grove Airport NW Bound)

No glare found

107 - Receptor (Vine Grove Airport SE Bound)

No glare found

107 - OP Receptor (OP 1)

No glare found

107 - OP Receptor (OP 2)

No glare found

107 - OP Receptor (OP 3)

No glare found

107 - OP Receptor (OP 4)

No glare found

107 - OP Receptor (OP 5)

No glare found

107 - OP Receptor (OP 6)

No glare found

107 - OP Receptor (OP 7)

No glare found

107 - OP Receptor (OP 8)

No glare found

107 - OP Receptor (OP 9)

No glare found

107 - OP Receptor (OP 10)

No glare found

107 - OP Receptor (OP 11)

No glare found

107 - OP Receptor (OP 12)

No glare found

107 - OP Receptor (OP 13)

No glare found

107 - OP Receptor (OP 14)

No glare found

107 - OP Receptor (OP 15)

No glare found

107 - OP Receptor (OP 16)

No glare found

107 - OP Receptor (OP 17)

No glare found

107 - OP Receptor (OP 18)

No glare found

107 - OP Receptor (OP 19)

No glare found

107 - OP Receptor (OP 20)

No glare found

107 - OP Receptor (OP 21)

No glare found

107 - OP Receptor (OP 22)

No glare found

107 - OP Receptor (OP 23)

No glare found

107 - OP Receptor (OP 24)

No glare found

107 - OP Receptor (OP 25)

No glare found

107 - OP Receptor (OP 26)

No glare found

107 - OP Receptor (OP 27)

No glare found

107 - OP Receptor (OP 28)

No glare found

107 - OP Receptor (OP 29)

No glare found

107 - OP Receptor (OP 30)

No glare found

107 - OP Receptor (OP 31)

No glare found

107 - OP Receptor (OP 32)

No glare found

107 - OP Receptor (OP 33)

No glare found

107 - OP Receptor (OP 34)

No glare found

107 - OP Receptor (OP 35)

No glare found

107 - OP Receptor (OP 36)

No glare found

107 - OP Receptor (OP 37)

No glare found

107 - OP Receptor (OP 38)

No glare found

107 - OP Receptor (OP 39)

No glare found

107 - OP Receptor (OP 40)

No glare found

107 - Route Receptor (Aiden Lane)

No glare found

107 - Route Receptor (Alcott Court Arden Court)

No glare found

107 - Route Receptor (Canton Road)

No glare found

107 - Route Receptor (Cecelia Road)

No glare found

107 - Route Receptor (Damson Trail)

No glare found

107 - Route Receptor (Goodman Lane)

No glare found

107 - Route Receptor (Hayden School Road)

No glare found

107 - Route Receptor (Hopewell Court Radford Court)

No glare found

107 - Route Receptor (Kitty Hawk Drive)

No glare found

107 - Route Receptor (St John Road)

No glare found

107 - Route Receptor (Thomas Cecelia road)

No glare found

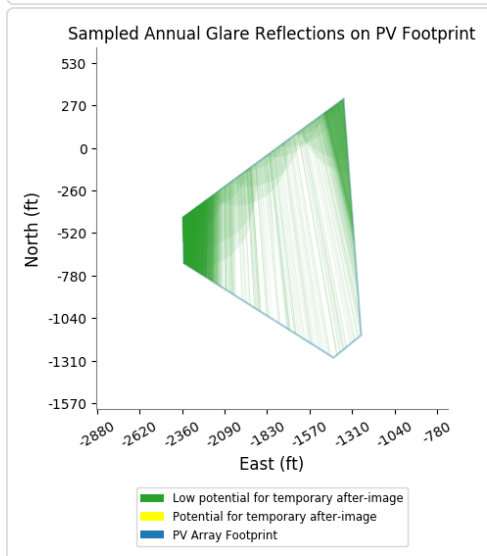
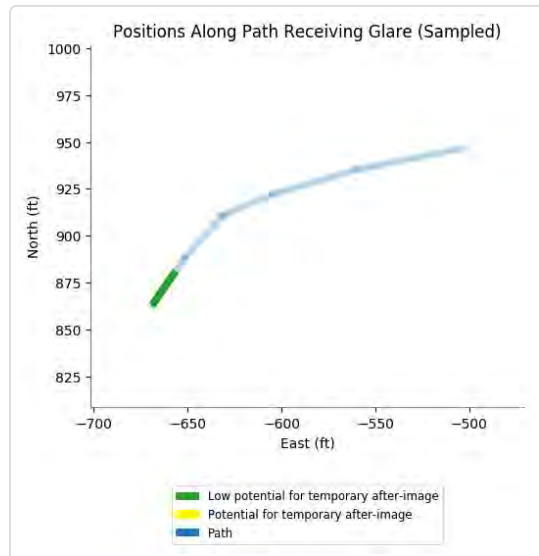
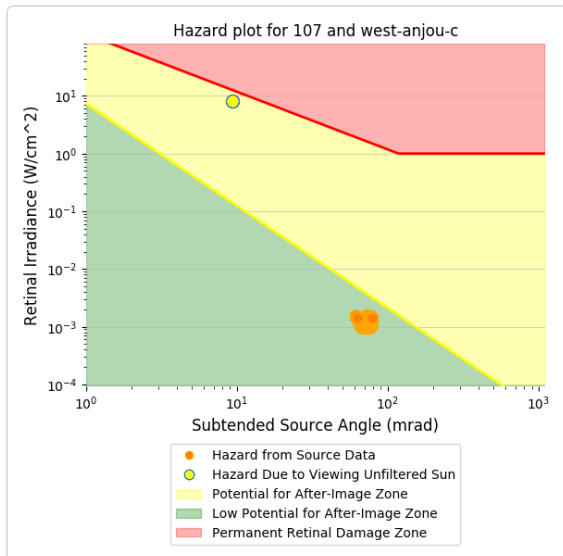
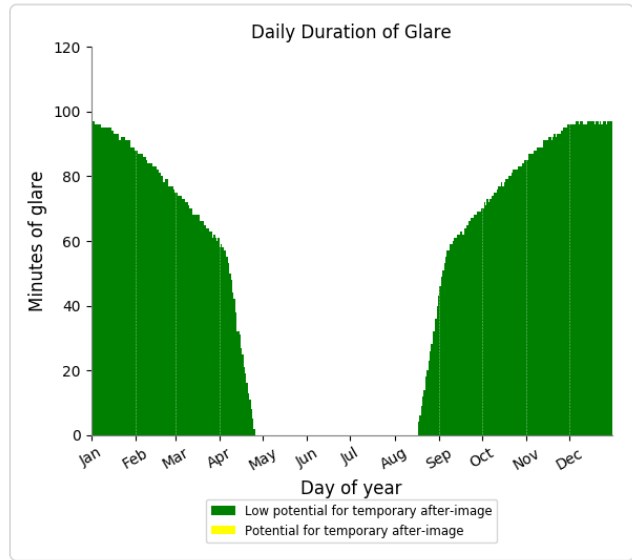
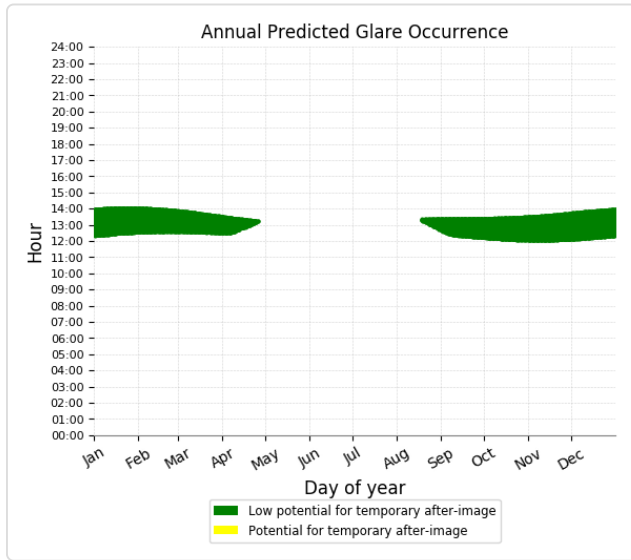
107 - Route Receptor (Thomas Road Braeburn Court)

No glare found

107 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 18,412 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	18874	0

108 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

108 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

108 - Receptor (Hornback Airstrip Northbound)

No glare found

108 - Receptor (Hornback Airstrip Southbound)

No glare found

108 - Receptor (Oz Airport NE Bound)

No glare found

108 - Receptor (Oz Airport SW Bound)

No glare found

108 - Receptor (Vine Grove Airport NW Bound)

No glare found

108 - Receptor (Vine Grove Airport SE Bound)

No glare found

108 - OP Receptor (OP 1)

No glare found

108 - OP Receptor (OP 2)

No glare found

108 - OP Receptor (OP 3)

No glare found

108 - OP Receptor (OP 4)

No glare found

108 - OP Receptor (OP 5)

No glare found

108 - OP Receptor (OP 6)

No glare found

108 - OP Receptor (OP 7)

No glare found

108 - OP Receptor (OP 8)

No glare found

108 - OP Receptor (OP 9)

No glare found

108 - OP Receptor (OP 10)

No glare found

108 - OP Receptor (OP 11)

No glare found

108 - OP Receptor (OP 12)

No glare found

108 - OP Receptor (OP 13)

No glare found

108 - OP Receptor (OP 14)

No glare found

108 - OP Receptor (OP 15)

No glare found

108 - OP Receptor (OP 16)

No glare found

108 - OP Receptor (OP 17)

No glare found

108 - OP Receptor (OP 18)

No glare found

108 - OP Receptor (OP 19)

No glare found

108 - OP Receptor (OP 20)

No glare found

108 - OP Receptor (OP 21)

No glare found

108 - OP Receptor (OP 22)

No glare found

108 - OP Receptor (OP 23)

No glare found

108 - OP Receptor (OP 24)

No glare found

108 - OP Receptor (OP 25)

No glare found

108 - OP Receptor (OP 26)

No glare found

108 - OP Receptor (OP 27)

No glare found

108 - OP Receptor (OP 28)

No glare found

108 - OP Receptor (OP 29)

No glare found

108 - OP Receptor (OP 30)

No glare found

108 - OP Receptor (OP 31)

No glare found

108 - OP Receptor (OP 32)

No glare found

108 - OP Receptor (OP 33)

No glare found

108 - OP Receptor (OP 34)

No glare found

108 - OP Receptor (OP 35)

No glare found

108 - OP Receptor (OP 36)

No glare found

108 - OP Receptor (OP 37)

No glare found

108 - OP Receptor (OP 38)

No glare found

108 - OP Receptor (OP 39)

No glare found

108 - OP Receptor (OP 40)

No glare found

108 - Route Receptor (Aiden Lane)

No glare found

108 - Route Receptor (Alcott Court Arden Court)

No glare found

108 - Route Receptor (Canton Road)

No glare found

108 - Route Receptor (Cecelia Road)

No glare found

108 - Route Receptor (Damson Trail)

No glare found

108 - Route Receptor (Goodman Lane)

No glare found

108 - Route Receptor (Hayden School Road)

No glare found

108 - Route Receptor (Hopewell Court Radford Court)

No glare found

108 - Route Receptor (Kitty Hawk Drive)

No glare found

108 - Route Receptor (St John Road)

No glare found

108 - Route Receptor (Thomas Cecelia road)

No glare found

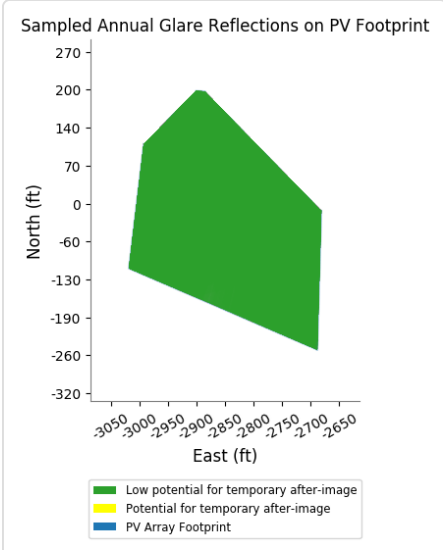
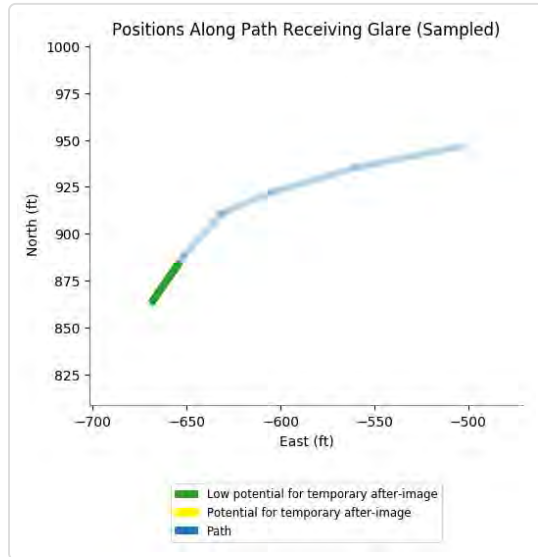
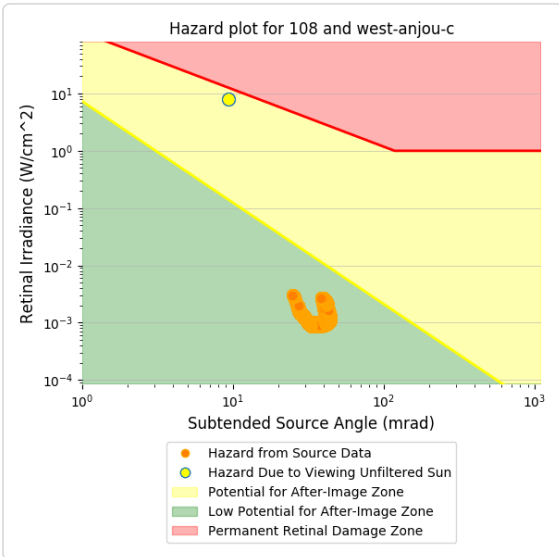
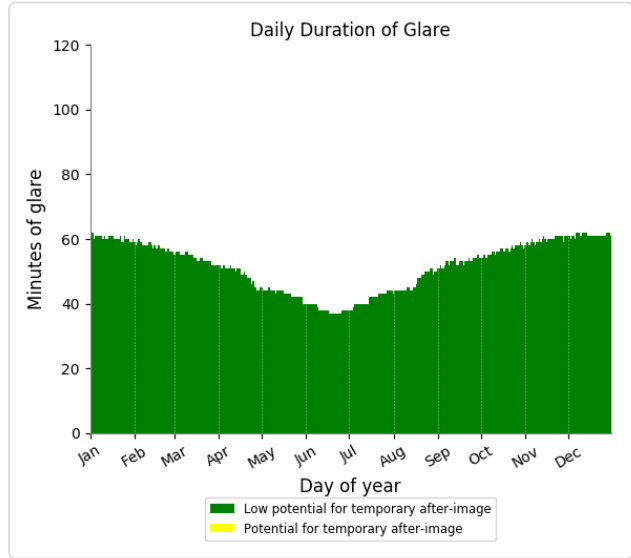
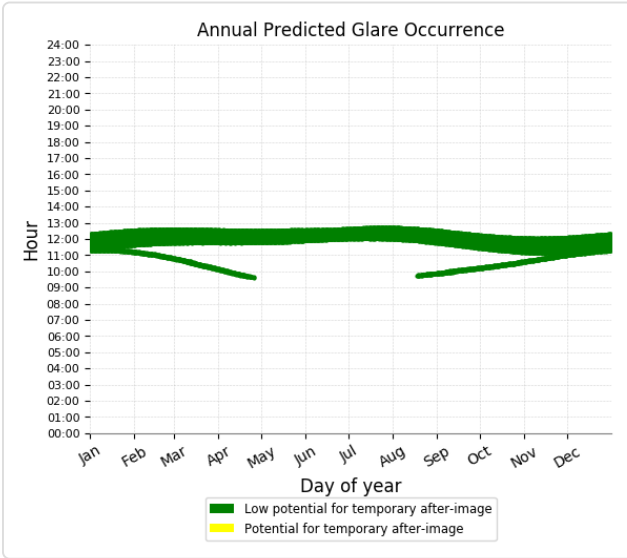
108 - Route Receptor (Thomas Road Braeburn Court)

No glare found

108 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 18,874 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	33463	0

109 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

109 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

109 - Receptor (Hornback Airstrip Northbound)

No glare found

109 - Receptor (Hornback Airstrip Southbound)

No glare found

109 - Receptor (Oz Airport NE Bound)

No glare found

109 - Receptor (Oz Airport SW Bound)

No glare found

109 - Receptor (Vine Grove Airport NW Bound)

No glare found

109 - Receptor (Vine Grove Airport SE Bound)

No glare found

109 - OP Receptor (OP 1)

No glare found

109 - OP Receptor (OP 2)

No glare found

109 - OP Receptor (OP 3)

No glare found

109 - OP Receptor (OP 4)

No glare found

109 - OP Receptor (OP 5)

No glare found

109 - OP Receptor (OP 6)

No glare found

109 - OP Receptor (OP 7)

No glare found

109 - OP Receptor (OP 8)

No glare found

109 - OP Receptor (OP 9)

No glare found

109 - OP Receptor (OP 10)

No glare found

109 - OP Receptor (OP 11)

No glare found

109 - OP Receptor (OP 12)

No glare found

109 - OP Receptor (OP 13)

No glare found

109 - OP Receptor (OP 14)

No glare found

109 - OP Receptor (OP 15)

No glare found

109 - OP Receptor (OP 16)

No glare found

109 - OP Receptor (OP 17)

No glare found

109 - OP Receptor (OP 18)

No glare found

109 - OP Receptor (OP 19)

No glare found

109 - OP Receptor (OP 20)

No glare found

109 - OP Receptor (OP 21)

No glare found

109 - OP Receptor (OP 22)

No glare found

109 - OP Receptor (OP 23)

No glare found

109 - OP Receptor (OP 24)

No glare found

109 - OP Receptor (OP 25)

No glare found

109 - OP Receptor (OP 26)

No glare found

109 - OP Receptor (OP 27)

No glare found

109 - OP Receptor (OP 28)

No glare found

109 - OP Receptor (OP 29)

No glare found

109 - OP Receptor (OP 30)

No glare found

109 - OP Receptor (OP 31)

No glare found

109 - OP Receptor (OP 32)

No glare found

109 - OP Receptor (OP 33)

No glare found

109 - OP Receptor (OP 34)

No glare found

109 - OP Receptor (OP 35)

No glare found

109 - OP Receptor (OP 36)

No glare found

109 - OP Receptor (OP 37)

No glare found

109 - OP Receptor (OP 38)

No glare found

109 - OP Receptor (OP 39)

No glare found

109 - OP Receptor (OP 40)

No glare found

109 - Route Receptor (Aiden Lane)

No glare found

109 - Route Receptor (Alcott Court Arden Court)

No glare found

109 - Route Receptor (Canton Road)

No glare found

109 - Route Receptor (Cecelia Road)

No glare found

109 - Route Receptor (Damson Trail)

No glare found

109 - Route Receptor (Goodman Lane)

No glare found

109 - Route Receptor (Hayden School Road)

No glare found

109 - Route Receptor (Hopewell Court Radford Court)

No glare found

109 - Route Receptor (Kitty Hawk Drive)

No glare found

109 - Route Receptor (St John Road)

No glare found

109 - Route Receptor (Thomas Cecelia road)

No glare found

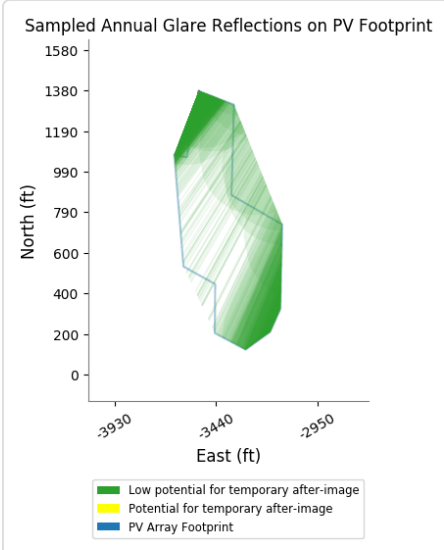
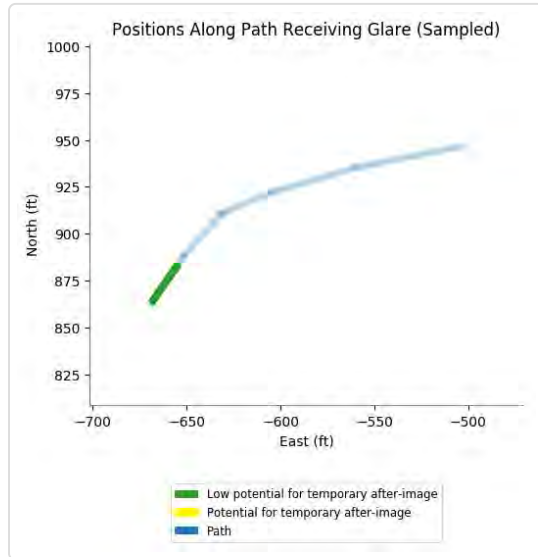
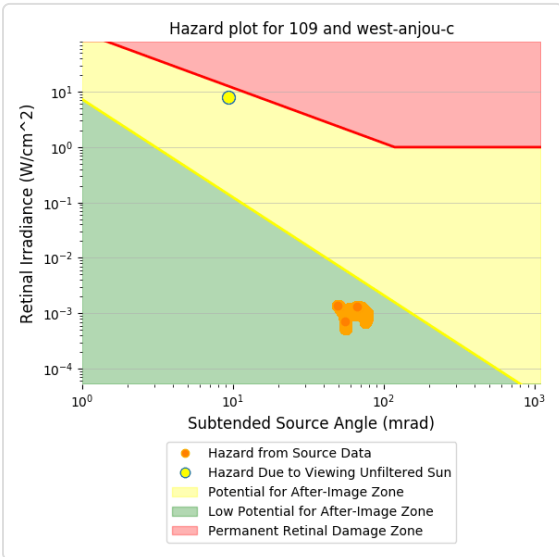
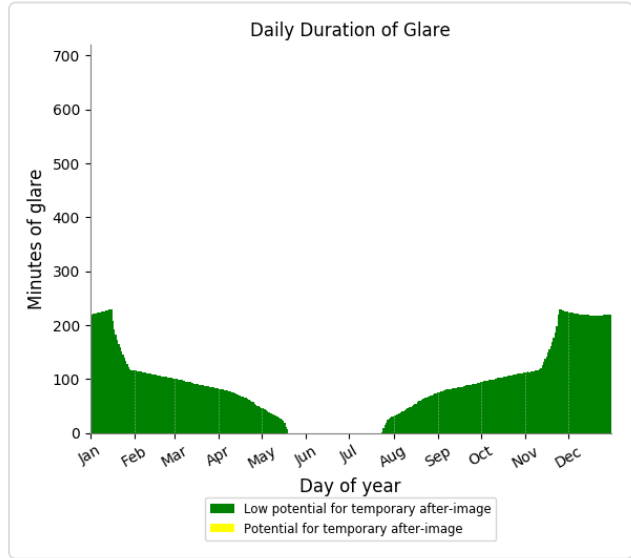
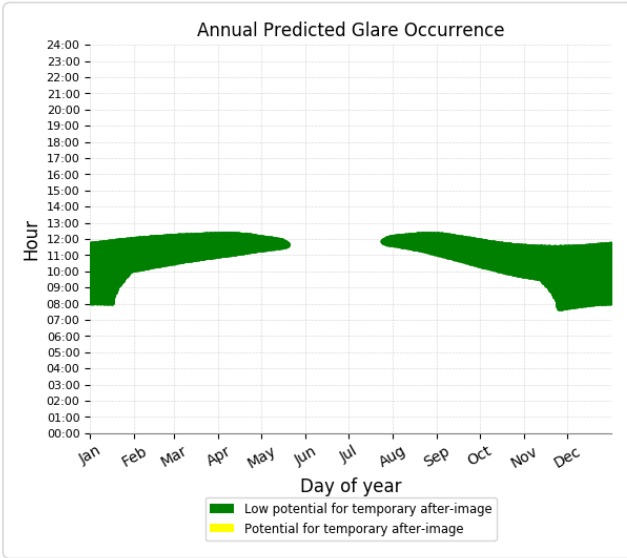
109 - Route Receptor (Thomas Road Braeburn Court)

No glare found

109 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 33,463 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



110 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	55997	0

110 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

110 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

110 - Receptor (Hornback Airstrip Northbound)

No glare found

110 - Receptor (Hornback Airstrip Southbound)

No glare found

110 - Receptor (Oz Airport NE Bound)

No glare found

110 - Receptor (Oz Airport SW Bound)

No glare found

110 - Receptor (Vine Grove Airport NW Bound)

No glare found

110 - Receptor (Vine Grove Airport SE Bound)

No glare found

110 - OP Receptor (OP 1)

No glare found

110 - OP Receptor (OP 2)

No glare found

110 - OP Receptor (OP 3)

No glare found

110 - OP Receptor (OP 4)

No glare found

110 - OP Receptor (OP 5)

No glare found

110 - OP Receptor (OP 6)

No glare found

110 - OP Receptor (OP 7)

No glare found

110 - OP Receptor (OP 8)

No glare found

110 - OP Receptor (OP 9)

No glare found

110 - OP Receptor (OP 10)

No glare found

110 - OP Receptor (OP 11)

No glare found

110 - OP Receptor (OP 12)

No glare found

110 - OP Receptor (OP 13)

No glare found

110 - OP Receptor (OP 14)

No glare found

110 - OP Receptor (OP 15)

No glare found

110 - OP Receptor (OP 16)

No glare found

110 - OP Receptor (OP 17)

No glare found

110 - OP Receptor (OP 18)

No glare found

110 - OP Receptor (OP 19)

No glare found

110 - OP Receptor (OP 20)

No glare found

110 - OP Receptor (OP 21)

No glare found

110 - OP Receptor (OP 22)

No glare found

110 - OP Receptor (OP 23)

No glare found

110 - OP Receptor (OP 24)

No glare found

110 - OP Receptor (OP 25)

No glare found

110 - OP Receptor (OP 26)

No glare found

110 - OP Receptor (OP 27)

No glare found

110 - OP Receptor (OP 28)

No glare found

110 - OP Receptor (OP 29)

No glare found

110 - OP Receptor (OP 30)

No glare found

110 - OP Receptor (OP 31)

No glare found

110 - OP Receptor (OP 32)

No glare found

110 - OP Receptor (OP 33)

No glare found

110 - OP Receptor (OP 34)

No glare found

110 - OP Receptor (OP 35)

No glare found

110 - OP Receptor (OP 36)

No glare found

110 - OP Receptor (OP 37)

No glare found

110 - OP Receptor (OP 38)

No glare found

110 - OP Receptor (OP 39)

No glare found

110 - OP Receptor (OP 40)

No glare found

110 - Route Receptor (Aiden Lane)

No glare found

110 - Route Receptor (Alcott Court Arden Court)

No glare found

110 - Route Receptor (Canton Road)

No glare found

110 - Route Receptor (Cecelia Road)

No glare found

110 - Route Receptor (Damson Trail)

No glare found

110 - Route Receptor (Goodman Lane)

No glare found

110 - Route Receptor (Hayden School Road)

No glare found

110 - Route Receptor (Hopewell Court Radford Court)

No glare found

110 - Route Receptor (Kitty Hawk Drive)

No glare found

110 - Route Receptor (St John Road)

No glare found

110 - Route Receptor (Thomas Cecelia road)

No glare found

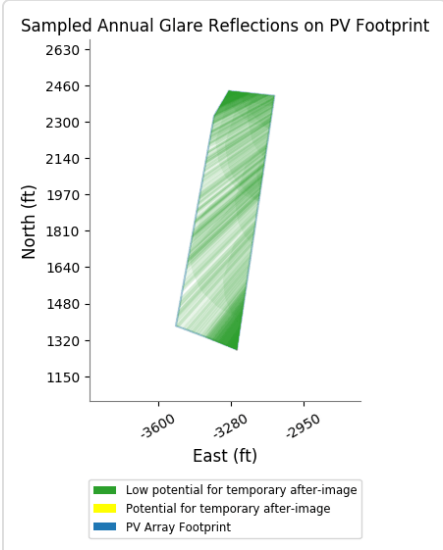
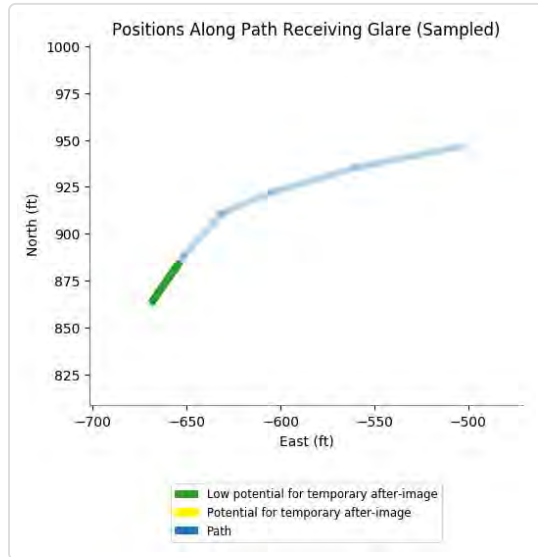
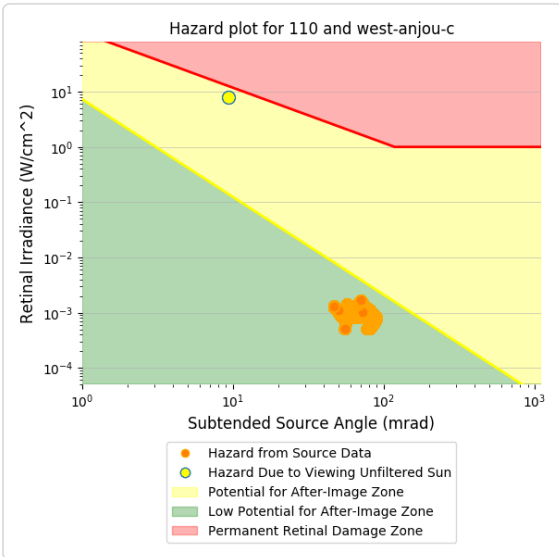
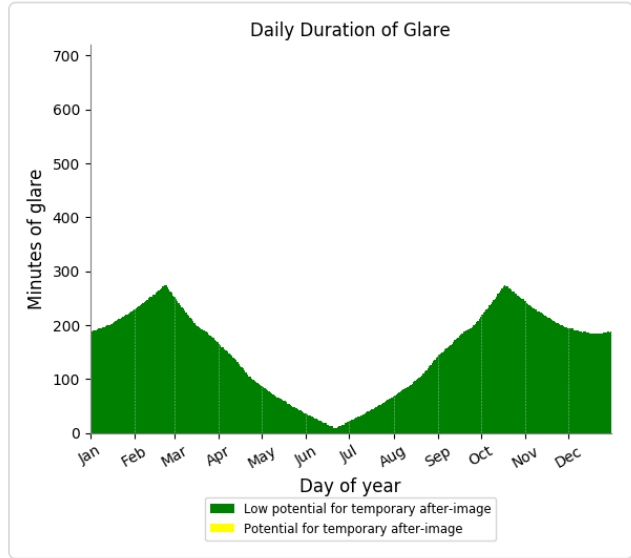
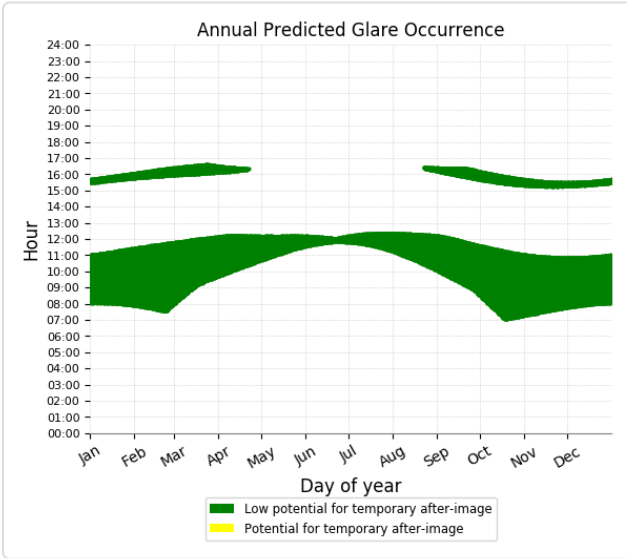
110 - Route Receptor (Thomas Road Braeburn Court)

No glare found

110 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 55,997 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	18910	0

111 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

111 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

111 - Receptor (Hornback Airstrip Northbound)

No glare found

111 - Receptor (Hornback Airstrip Southbound)

No glare found

111 - Receptor (Oz Airport NE Bound)

No glare found

111 - Receptor (Oz Airport SW Bound)

No glare found

111 - Receptor (Vine Grove Airport NW Bound)

No glare found

111 - Receptor (Vine Grove Airport SE Bound)

No glare found

111 - OP Receptor (OP 1)

No glare found

111 - OP Receptor (OP 2)

No glare found

111 - OP Receptor (OP 3)

No glare found

111 - OP Receptor (OP 4)

No glare found

111 - OP Receptor (OP 5)

No glare found

111 - OP Receptor (OP 6)

No glare found

111 - OP Receptor (OP 7)

No glare found

111 - OP Receptor (OP 8)

No glare found

111 - OP Receptor (OP 9)

No glare found

111 - OP Receptor (OP 10)

No glare found

111 - OP Receptor (OP 11)

No glare found

111 - OP Receptor (OP 12)

No glare found

111 - OP Receptor (OP 13)

No glare found

111 - OP Receptor (OP 14)

No glare found

111 - OP Receptor (OP 15)

No glare found

111 - OP Receptor (OP 16)

No glare found

111 - OP Receptor (OP 17)

No glare found

111 - OP Receptor (OP 18)

No glare found

111 - OP Receptor (OP 19)

No glare found

111 - OP Receptor (OP 20)

No glare found

111 - OP Receptor (OP 21)

No glare found

111 - OP Receptor (OP 22)

No glare found

111 - OP Receptor (OP 23)

No glare found

111 - OP Receptor (OP 24)

No glare found

111 - OP Receptor (OP 25)

No glare found

111 - OP Receptor (OP 26)

No glare found

111 - OP Receptor (OP 27)

No glare found

111 - OP Receptor (OP 28)

No glare found

111 - OP Receptor (OP 29)

No glare found

111 - OP Receptor (OP 30)

No glare found

111 - OP Receptor (OP 31)

No glare found

111 - OP Receptor (OP 32)

No glare found

111 - OP Receptor (OP 33)

No glare found

111 - OP Receptor (OP 34)

No glare found

111 - OP Receptor (OP 35)

No glare found

111 - OP Receptor (OP 36)

No glare found

111 - OP Receptor (OP 37)

No glare found

111 - OP Receptor (OP 38)

No glare found

111 - OP Receptor (OP 39)

No glare found

111 - OP Receptor (OP 40)

No glare found

111 - Route Receptor (Aiden Lane)

No glare found

111 - Route Receptor (Alcott Court Arden Court)

No glare found

111 - Route Receptor (Canton Road)

No glare found

111 - Route Receptor (Cecelia Road)

No glare found

111 - Route Receptor (Damson Trail)

No glare found

111 - Route Receptor (Goodman Lane)

No glare found

111 - Route Receptor (Hayden School Road)

No glare found

111 - Route Receptor (Hopewell Court Radford Court)

No glare found

111 - Route Receptor (Kitty Hawk Drive)

No glare found

111 - Route Receptor (St John Road)

No glare found

111 - Route Receptor (Thomas Cecelia road)

No glare found

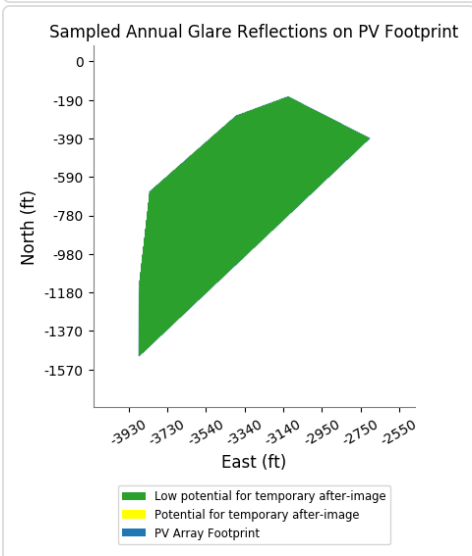
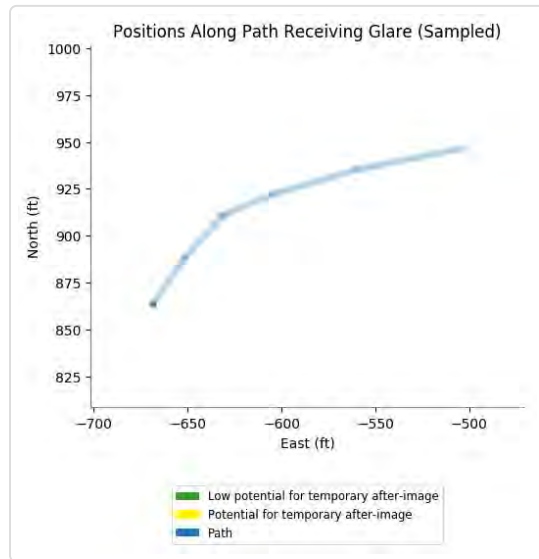
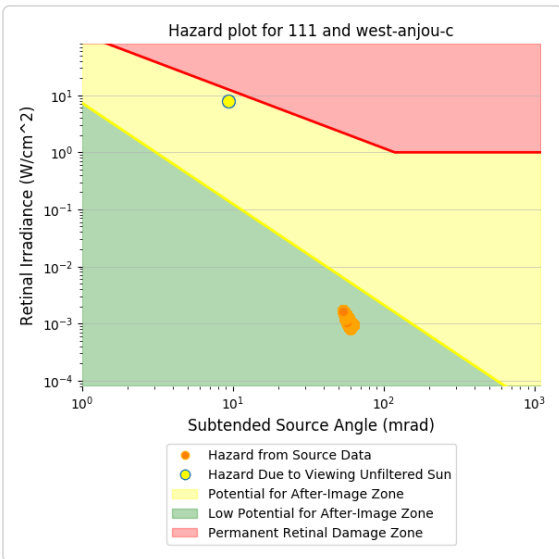
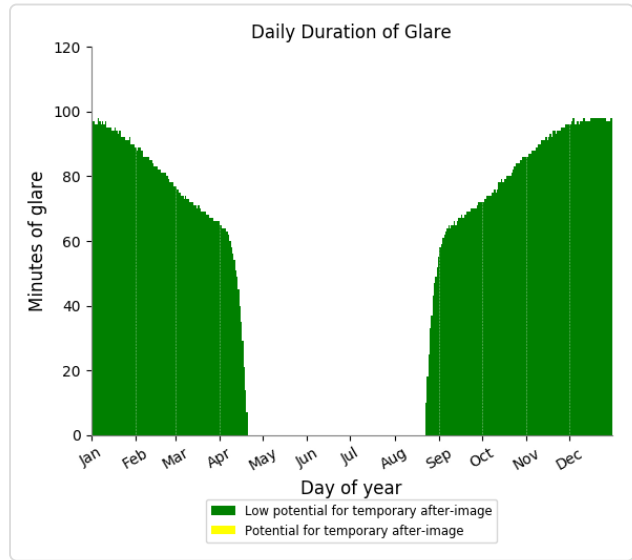
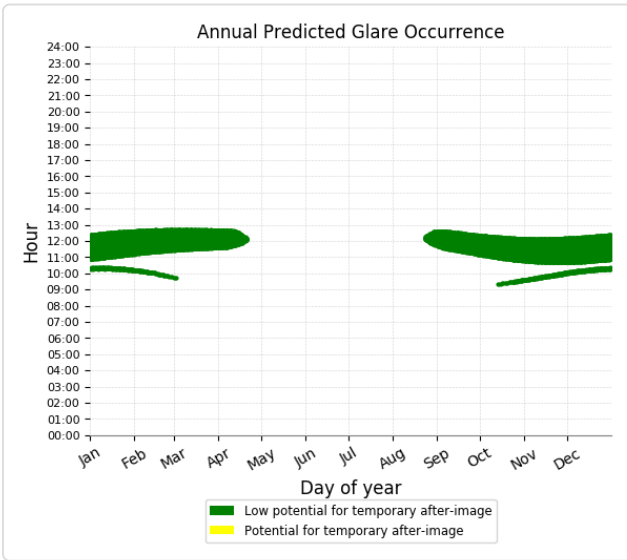
111 - Route Receptor (Thomas Road Braeburn Court)

No glare found

111 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 18,910 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



112 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	17314	0

112 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

112 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

112 - Receptor (Hornback Airstrip Northbound)

No glare found

112 - Receptor (Hornback Airstrip Southbound)

No glare found

112 - Receptor (Oz Airport NE Bound)

No glare found

112 - Receptor (Oz Airport SW Bound)

No glare found

112 - Receptor (Vine Grove Airport NW Bound)

No glare found

112 - Receptor (Vine Grove Airport SE Bound)

No glare found

112 - OP Receptor (OP 1)

No glare found

112 - OP Receptor (OP 2)

No glare found

112 - OP Receptor (OP 3)

No glare found

112 - OP Receptor (OP 4)

No glare found

112 - OP Receptor (OP 5)

No glare found

112 - OP Receptor (OP 6)

No glare found

112 - OP Receptor (OP 7)

No glare found

112 - OP Receptor (OP 8)

No glare found

112 - OP Receptor (OP 9)

No glare found

112 - OP Receptor (OP 10)

No glare found

112 - OP Receptor (OP 11)

No glare found

112 - OP Receptor (OP 12)

No glare found

112 - OP Receptor (OP 13)

No glare found

112 - OP Receptor (OP 14)

No glare found

112 - OP Receptor (OP 15)

No glare found

112 - OP Receptor (OP 16)

No glare found

112 - OP Receptor (OP 17)

No glare found

112 - OP Receptor (OP 18)

No glare found

112 - OP Receptor (OP 19)

No glare found

112 - OP Receptor (OP 20)

No glare found

112 - OP Receptor (OP 21)

No glare found

112 - OP Receptor (OP 22)

No glare found

112 - OP Receptor (OP 23)

No glare found

112 - OP Receptor (OP 24)

No glare found

112 - OP Receptor (OP 25)

No glare found

112 - OP Receptor (OP 26)

No glare found

112 - OP Receptor (OP 27)

No glare found

112 - OP Receptor (OP 28)

No glare found

112 - OP Receptor (OP 29)

No glare found

112 - OP Receptor (OP 30)

No glare found

112 - OP Receptor (OP 31)

No glare found

112 - OP Receptor (OP 32)

No glare found

112 - OP Receptor (OP 33)

No glare found

112 - OP Receptor (OP 34)

No glare found

112 - OP Receptor (OP 35)

No glare found

112 - OP Receptor (OP 36)

No glare found

112 - OP Receptor (OP 37)

No glare found

112 - OP Receptor (OP 38)

No glare found

112 - OP Receptor (OP 39)

No glare found

112 - OP Receptor (OP 40)

No glare found

112 - Route Receptor (Aiden Lane)

No glare found

112 - Route Receptor (Alcott Court Arden Court)

No glare found

112 - Route Receptor (Canton Road)

No glare found

112 - Route Receptor (Cecelia Road)

No glare found

112 - Route Receptor (Damson Trail)

No glare found

112 - Route Receptor (Goodman Lane)

No glare found

112 - Route Receptor (Hayden School Road)

No glare found

112 - Route Receptor (Hopewell Court Radford Court)

No glare found

112 - Route Receptor (Kitty Hawk Drive)

No glare found

112 - Route Receptor (St John Road)

No glare found

112 - Route Receptor (Thomas Cecelia road)

No glare found

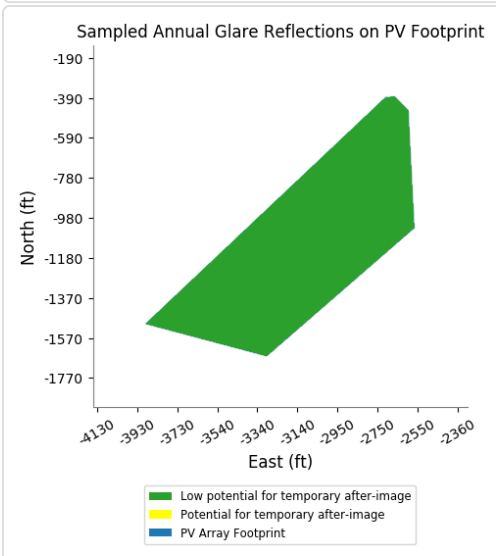
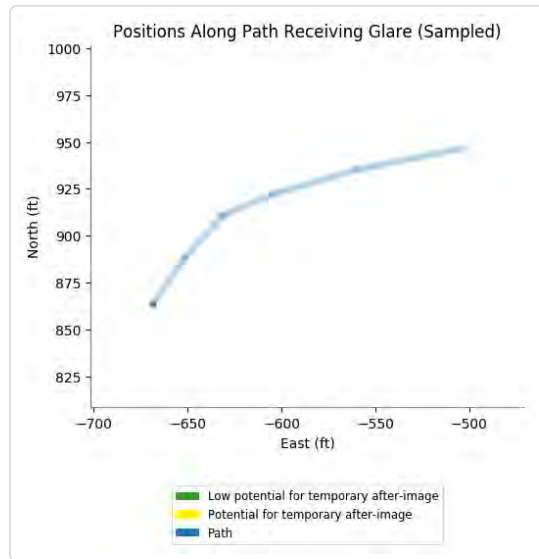
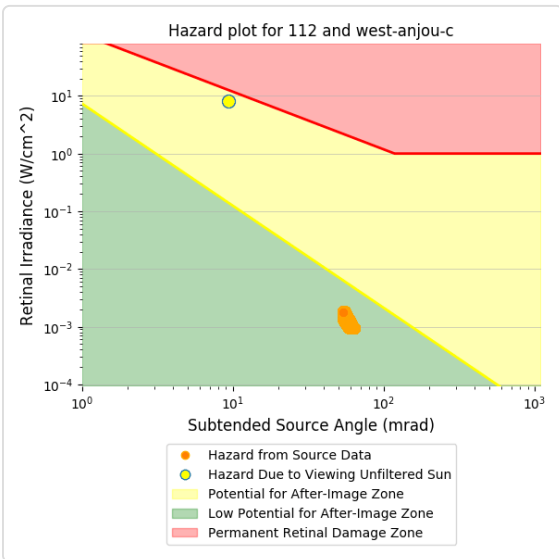
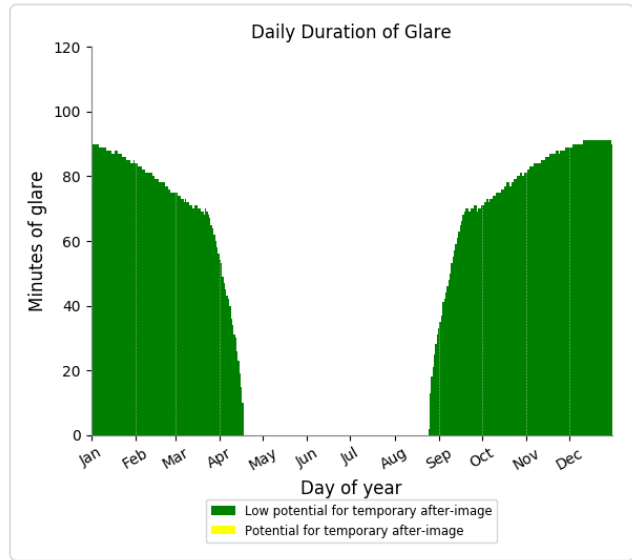
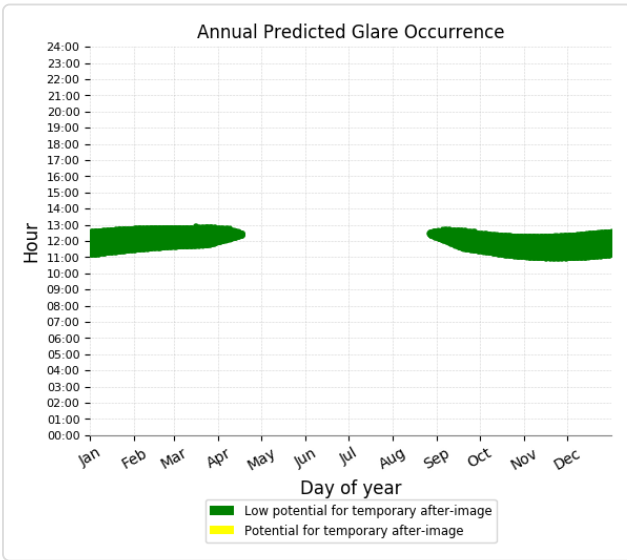
112 - Route Receptor (Thomas Road Braeburn Court)

No glare found

112 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 17,314 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



113 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	21198	0

113 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

113 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

113 - Receptor (Hornback Airstrip Northbound)

No glare found

113 - Receptor (Hornback Airstrip Southbound)

No glare found

113 - Receptor (Oz Airport NE Bound)

No glare found

113 - Receptor (Oz Airport SW Bound)

No glare found

113 - Receptor (Vine Grove Airport NW Bound)

No glare found

113 - Receptor (Vine Grove Airport SE Bound)

No glare found

113 - OP Receptor (OP 1)

No glare found

113 - OP Receptor (OP 2)

No glare found

113 - OP Receptor (OP 3)

No glare found

113 - OP Receptor (OP 4)

No glare found

113 - OP Receptor (OP 5)

No glare found

113 - OP Receptor (OP 6)

No glare found

113 - OP Receptor (OP 7)

No glare found

113 - OP Receptor (OP 8)

No glare found

113 - OP Receptor (OP 9)

No glare found

113 - OP Receptor (OP 10)

No glare found

113 - OP Receptor (OP 11)

No glare found

113 - OP Receptor (OP 12)

No glare found

113 - OP Receptor (OP 13)

No glare found

113 - OP Receptor (OP 14)

No glare found

113 - OP Receptor (OP 15)

No glare found

113 - OP Receptor (OP 16)

No glare found

113 - OP Receptor (OP 17)

No glare found

113 - OP Receptor (OP 18)

No glare found

113 - OP Receptor (OP 19)

No glare found

113 - OP Receptor (OP 20)

No glare found

113 - OP Receptor (OP 21)

No glare found

113 - OP Receptor (OP 22)

No glare found

113 - OP Receptor (OP 23)

No glare found

113 - OP Receptor (OP 24)

No glare found

113 - OP Receptor (OP 25)

No glare found

113 - OP Receptor (OP 26)

No glare found

113 - OP Receptor (OP 27)

No glare found

113 - OP Receptor (OP 28)

No glare found

113 - OP Receptor (OP 29)

No glare found

113 - OP Receptor (OP 30)

No glare found

113 - OP Receptor (OP 31)

No glare found

113 - OP Receptor (OP 32)

No glare found

113 - OP Receptor (OP 33)

No glare found

113 - OP Receptor (OP 34)

No glare found

113 - OP Receptor (OP 35)

No glare found

113 - OP Receptor (OP 36)

No glare found

113 - OP Receptor (OP 37)

No glare found

113 - OP Receptor (OP 38)

No glare found

113 - OP Receptor (OP 39)

No glare found

113 - OP Receptor (OP 40)

No glare found

113 - Route Receptor (Aiden Lane)

No glare found

113 - Route Receptor (Alcott Court Arden Court)

No glare found

113 - Route Receptor (Canton Road)

No glare found

113 - Route Receptor (Cecelia Road)

No glare found

113 - Route Receptor (Damson Trail)

No glare found

113 - Route Receptor (Goodman Lane)

No glare found

113 - Route Receptor (Hayden School Road)

No glare found

113 - Route Receptor (Hopewell Court Radford Court)

No glare found

113 - Route Receptor (Kitty Hawk Drive)

No glare found

113 - Route Receptor (St John Road)

No glare found

113 - Route Receptor (Thomas Cecelia road)

No glare found

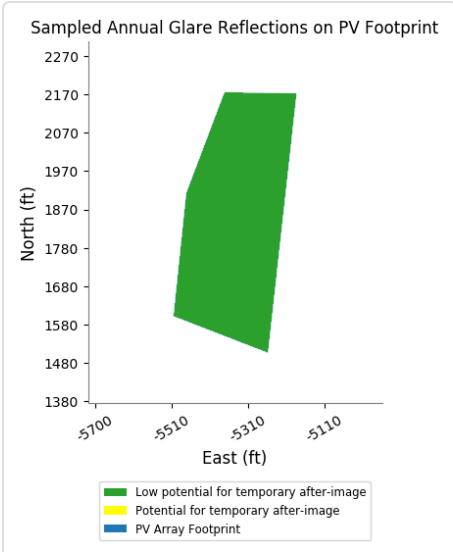
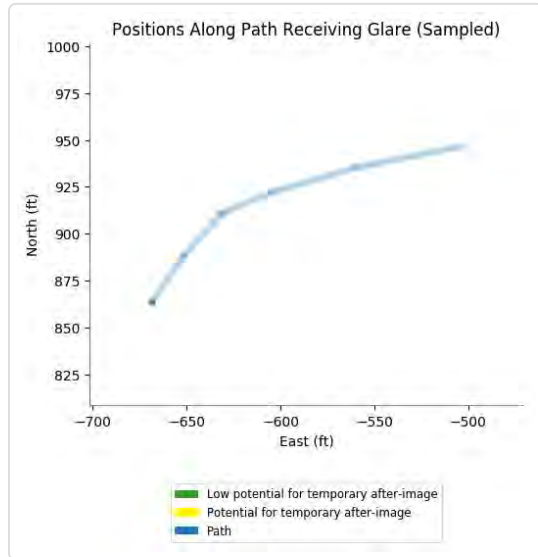
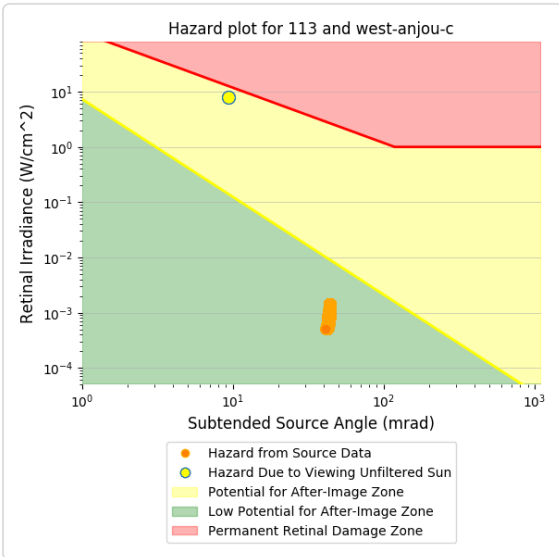
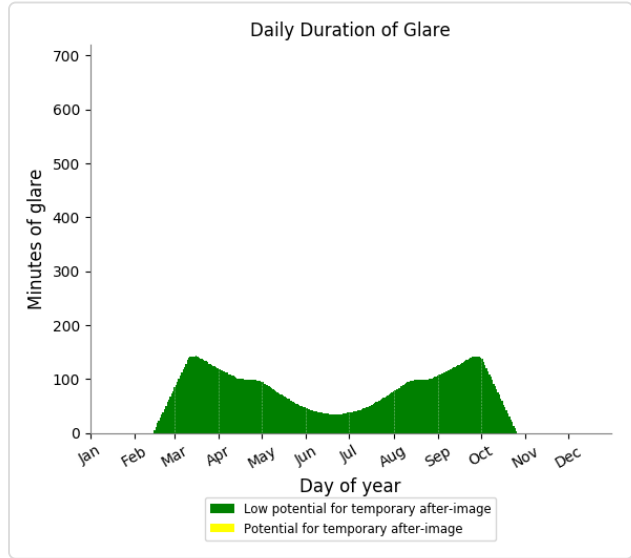
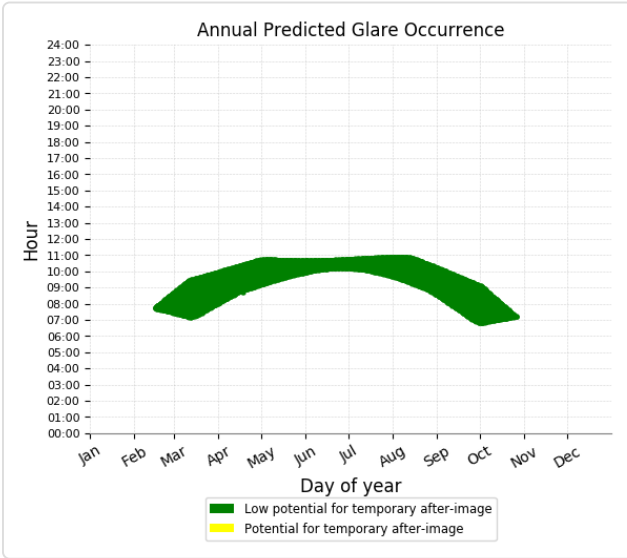
113 - Route Receptor (Thomas Road Braeburn Court)

No glare found

113 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 21,198 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	20353	0

114 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

114 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

114 - Receptor (Hornback Airstrip Northbound)

No glare found

114 - Receptor (Hornback Airstrip Southbound)

No glare found

114 - Receptor (Oz Airport NE Bound)

No glare found

114 - Receptor (Oz Airport SW Bound)

No glare found

114 - Receptor (Vine Grove Airport NW Bound)

No glare found

114 - Receptor (Vine Grove Airport SE Bound)

No glare found

114 - OP Receptor (OP 1)

No glare found

114 - OP Receptor (OP 2)

No glare found

114 - OP Receptor (OP 3)

No glare found

114 - OP Receptor (OP 4)

No glare found

114 - OP Receptor (OP 5)

No glare found

114 - OP Receptor (OP 6)

No glare found

114 - OP Receptor (OP 7)

No glare found

114 - OP Receptor (OP 8)

No glare found

114 - OP Receptor (OP 9)

No glare found

114 - OP Receptor (OP 10)

No glare found

114 - OP Receptor (OP 11)

No glare found

114 - OP Receptor (OP 12)

No glare found

114 - OP Receptor (OP 13)

No glare found

114 - OP Receptor (OP 14)

No glare found

114 - OP Receptor (OP 15)

No glare found

114 - OP Receptor (OP 16)

No glare found

114 - OP Receptor (OP 17)

No glare found

114 - OP Receptor (OP 18)

No glare found

114 - OP Receptor (OP 19)

No glare found

114 - OP Receptor (OP 20)

No glare found

114 - OP Receptor (OP 21)

No glare found

114 - OP Receptor (OP 22)

No glare found

114 - OP Receptor (OP 23)

No glare found

114 - OP Receptor (OP 24)

No glare found

114 - OP Receptor (OP 25)

No glare found

114 - OP Receptor (OP 26)

No glare found

114 - OP Receptor (OP 27)

No glare found

114 - OP Receptor (OP 28)

No glare found

114 - OP Receptor (OP 29)

No glare found

114 - OP Receptor (OP 30)

No glare found

114 - OP Receptor (OP 31)

No glare found

114 - OP Receptor (OP 32)

No glare found

114 - OP Receptor (OP 33)

No glare found

114 - OP Receptor (OP 34)

No glare found

114 - OP Receptor (OP 35)

No glare found

114 - OP Receptor (OP 36)

No glare found

114 - OP Receptor (OP 37)

No glare found

114 - OP Receptor (OP 38)

No glare found

114 - OP Receptor (OP 39)

No glare found

114 - OP Receptor (OP 40)

No glare found

114 - Route Receptor (Aiden Lane)

No glare found

114 - Route Receptor (Alcott Court Arden Court)

No glare found

114 - Route Receptor (Canton Road)

No glare found

114 - Route Receptor (Cecelia Road)

No glare found

114 - Route Receptor (Damson Trail)

No glare found

114 - Route Receptor (Goodman Lane)

No glare found

114 - Route Receptor (Hayden School Road)

No glare found

114 - Route Receptor (Hopewell Court Radford Court)

No glare found

114 - Route Receptor (Kitty Hawk Drive)

No glare found

114 - Route Receptor (St John Road)

No glare found

114 - Route Receptor (Thomas Cecelia road)

No glare found

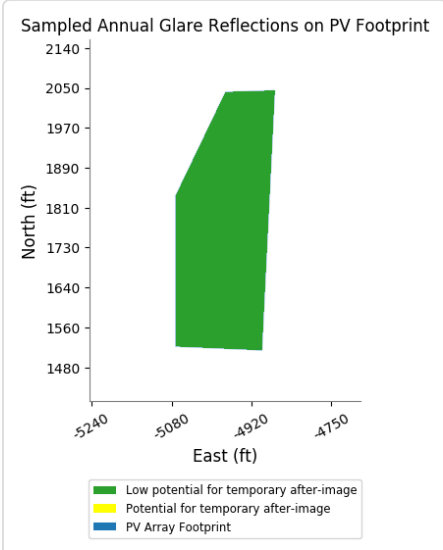
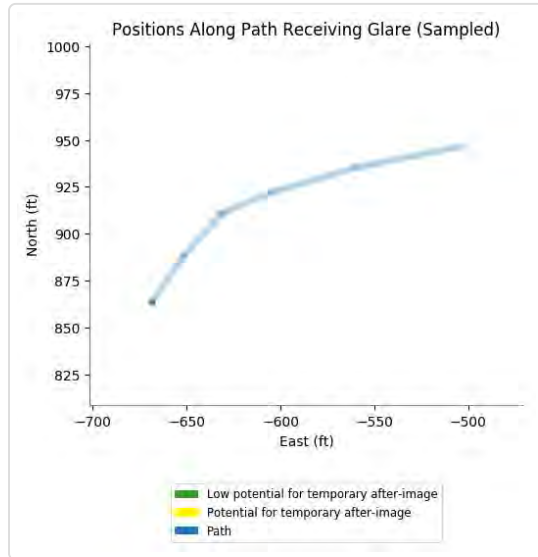
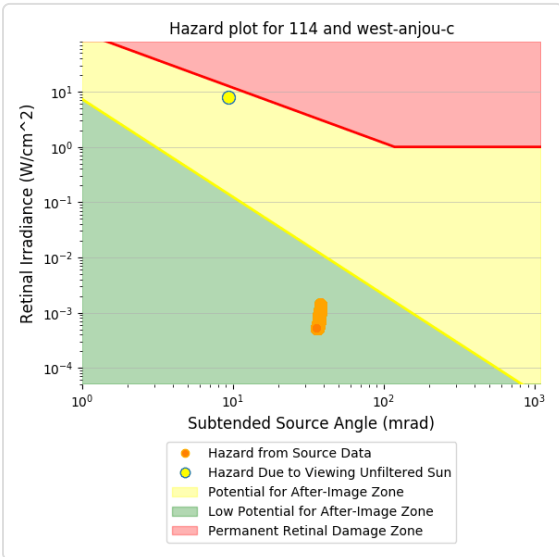
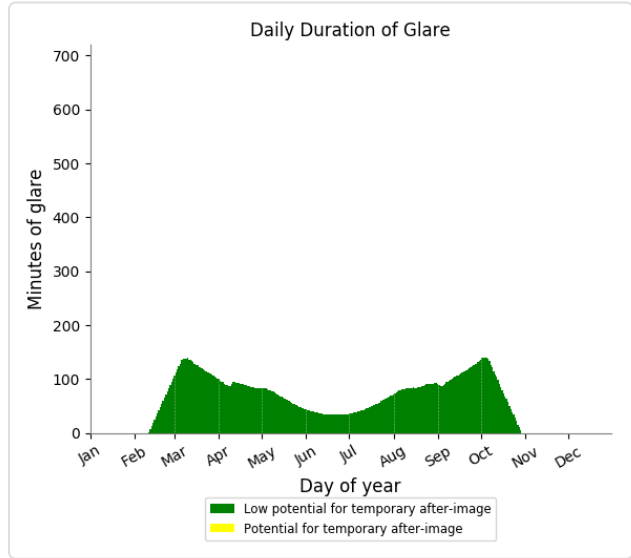
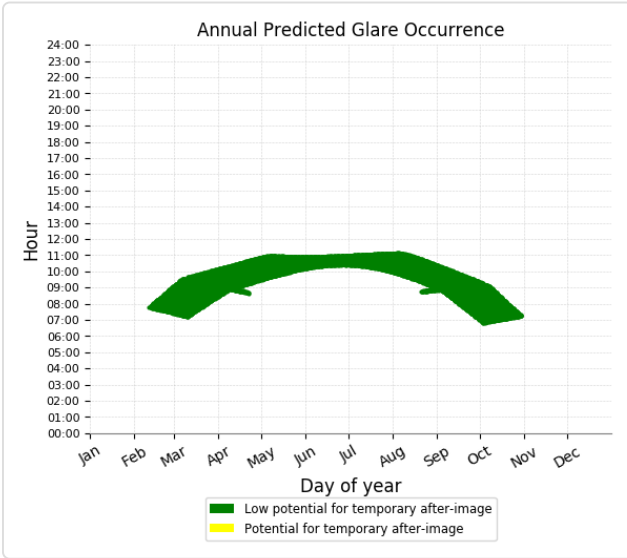
114 - Route Receptor (Thomas Road Braeburn Court)

No glare found

114 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 20,353 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	26922	0

115 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

115 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

115 - Receptor (Hornback Airstrip Northbound)

No glare found

115 - Receptor (Hornback Airstrip Southbound)

No glare found

115 - Receptor (Oz Airport NE Bound)

No glare found

115 - Receptor (Oz Airport SW Bound)

No glare found

115 - Receptor (Vine Grove Airport NW Bound)

No glare found

115 - Receptor (Vine Grove Airport SE Bound)

No glare found

115 - OP Receptor (OP 1)

No glare found

115 - OP Receptor (OP 2)

No glare found

115 - OP Receptor (OP 3)

No glare found

115 - OP Receptor (OP 4)

No glare found

115 - OP Receptor (OP 5)

No glare found

115 - OP Receptor (OP 6)

No glare found

115 - OP Receptor (OP 7)

No glare found

115 - OP Receptor (OP 8)

No glare found

115 - OP Receptor (OP 9)

No glare found

115 - OP Receptor (OP 10)

No glare found

115 - OP Receptor (OP 11)

No glare found

115 - OP Receptor (OP 12)

No glare found

115 - OP Receptor (OP 13)

No glare found

115 - OP Receptor (OP 14)

No glare found

115 - OP Receptor (OP 15)

No glare found

115 - OP Receptor (OP 16)

No glare found

115 - OP Receptor (OP 17)

No glare found

115 - OP Receptor (OP 18)

No glare found

115 - OP Receptor (OP 19)

No glare found

115 - OP Receptor (OP 20)

No glare found

115 - OP Receptor (OP 21)

No glare found

115 - OP Receptor (OP 22)

No glare found

115 - OP Receptor (OP 23)

No glare found

115 - OP Receptor (OP 24)

No glare found

115 - OP Receptor (OP 25)

No glare found

115 - OP Receptor (OP 26)

No glare found

115 - OP Receptor (OP 27)

No glare found

115 - OP Receptor (OP 28)

No glare found

115 - OP Receptor (OP 29)

No glare found

115 - OP Receptor (OP 30)

No glare found

115 - OP Receptor (OP 31)

No glare found

115 - OP Receptor (OP 32)

No glare found

115 - OP Receptor (OP 33)

No glare found

115 - OP Receptor (OP 34)

No glare found

115 - OP Receptor (OP 35)

No glare found

115 - OP Receptor (OP 36)

No glare found

115 - OP Receptor (OP 37)

No glare found

115 - OP Receptor (OP 38)

No glare found

115 - OP Receptor (OP 39)

No glare found

115 - OP Receptor (OP 40)

No glare found

115 - Route Receptor (Aiden Lane)

No glare found

115 - Route Receptor (Alcott Court Arden Court)

No glare found

115 - Route Receptor (Canton Road)

No glare found

115 - Route Receptor (Cecelia Road)

No glare found

115 - Route Receptor (Damson Trail)

No glare found

115 - Route Receptor (Goodman Lane)

No glare found

115 - Route Receptor (Hayden School Road)

No glare found

115 - Route Receptor (Hopewell Court Radford Court)

No glare found

115 - Route Receptor (Kitty Hawk Drive)

No glare found

115 - Route Receptor (St John Road)

No glare found

115 - Route Receptor (Thomas Cecelia road)

No glare found

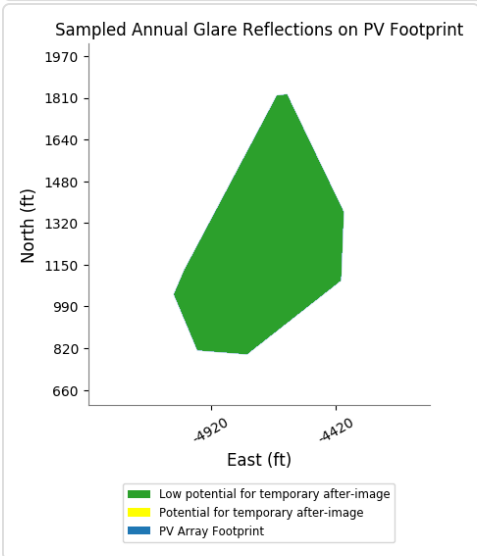
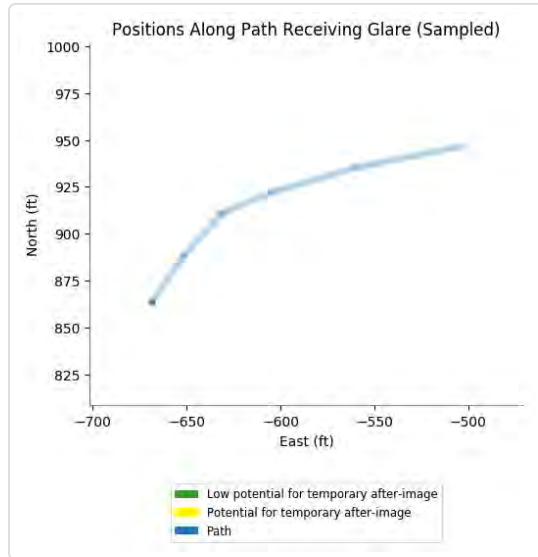
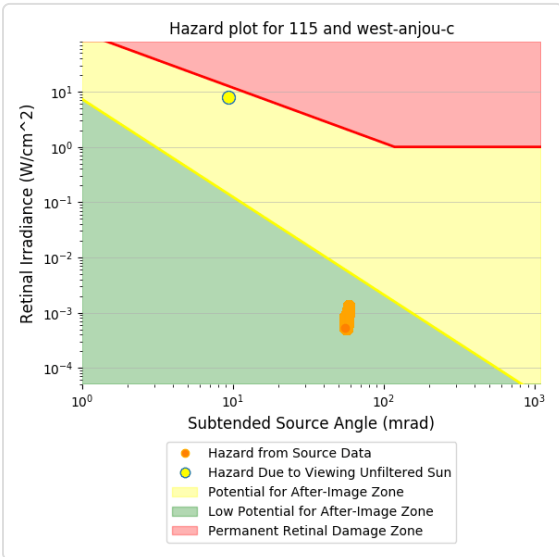
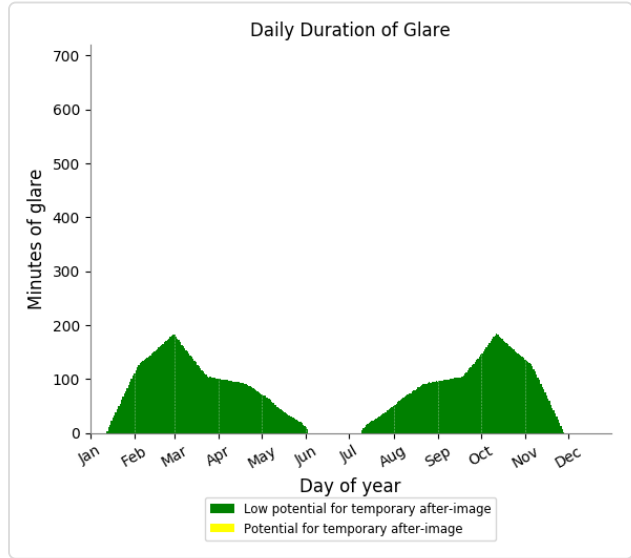
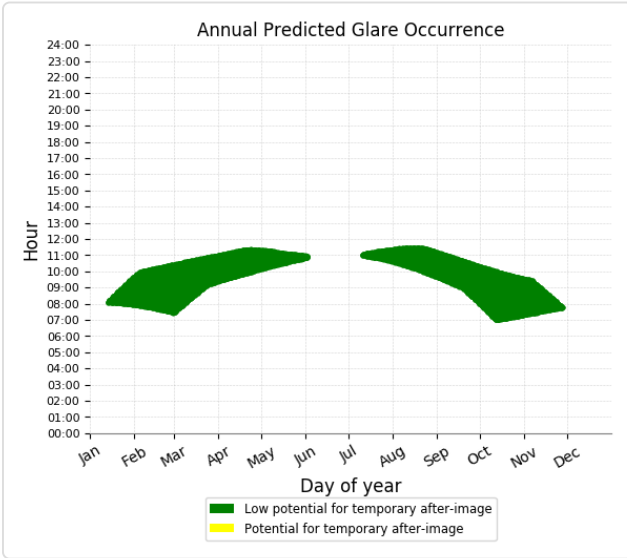
115 - Route Receptor (Thomas Road Braeburn Court)

No glare found

115 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 26,922 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	39215	0

116 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

116 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

116 - Receptor (Hornback Airstrip Northbound)

No glare found

116 - Receptor (Hornback Airstrip Southbound)

No glare found

116 - Receptor (Oz Airport NE Bound)

No glare found

116 - Receptor (Oz Airport SW Bound)

No glare found

116 - Receptor (Vine Grove Airport NW Bound)

No glare found

116 - Receptor (Vine Grove Airport SE Bound)

No glare found

116 - OP Receptor (OP 1)

No glare found

116 - OP Receptor (OP 2)

No glare found

116 - OP Receptor (OP 3)

No glare found

116 - OP Receptor (OP 4)

No glare found

116 - OP Receptor (OP 5)

No glare found

116 - OP Receptor (OP 6)

No glare found

116 - OP Receptor (OP 7)

No glare found

116 - OP Receptor (OP 8)

No glare found

116 - OP Receptor (OP 9)

No glare found

116 - OP Receptor (OP 10)

No glare found

116 - OP Receptor (OP 11)

No glare found

116 - OP Receptor (OP 12)

No glare found

116 - OP Receptor (OP 13)

No glare found

116 - OP Receptor (OP 14)

No glare found

116 - OP Receptor (OP 15)

No glare found

116 - OP Receptor (OP 16)

No glare found

116 - OP Receptor (OP 17)

No glare found

116 - OP Receptor (OP 18)

No glare found

116 - OP Receptor (OP 19)

No glare found

116 - OP Receptor (OP 20)

No glare found

116 - OP Receptor (OP 21)

No glare found

116 - OP Receptor (OP 22)

No glare found

116 - OP Receptor (OP 23)

No glare found

116 - OP Receptor (OP 24)

No glare found

116 - OP Receptor (OP 25)

No glare found

116 - OP Receptor (OP 26)

No glare found

116 - OP Receptor (OP 27)

No glare found

116 - OP Receptor (OP 28)

No glare found

116 - OP Receptor (OP 29)

No glare found

116 - OP Receptor (OP 30)

No glare found

116 - OP Receptor (OP 31)

No glare found

116 - OP Receptor (OP 32)

No glare found

116 - OP Receptor (OP 33)

No glare found

116 - OP Receptor (OP 34)

No glare found

116 - OP Receptor (OP 35)

No glare found

116 - OP Receptor (OP 36)

No glare found

116 - OP Receptor (OP 37)

No glare found

116 - OP Receptor (OP 38)

No glare found

116 - OP Receptor (OP 39)

No glare found

116 - OP Receptor (OP 40)

No glare found

116 - Route Receptor (Aiden Lane)

No glare found

116 - Route Receptor (Alcott Court Arden Court)

No glare found

116 - Route Receptor (Canton Road)

No glare found

116 - Route Receptor (Cecelia Road)

No glare found

116 - Route Receptor (Damson Trail)

No glare found

116 - Route Receptor (Goodman Lane)

No glare found

116 - Route Receptor (Hayden School Road)

No glare found

116 - Route Receptor (Hopewell Court Radford Court)

No glare found

116 - Route Receptor (Kitty Hawk Drive)

No glare found

116 - Route Receptor (St John Road)

No glare found

116 - Route Receptor (Thomas Cecelia road)

No glare found

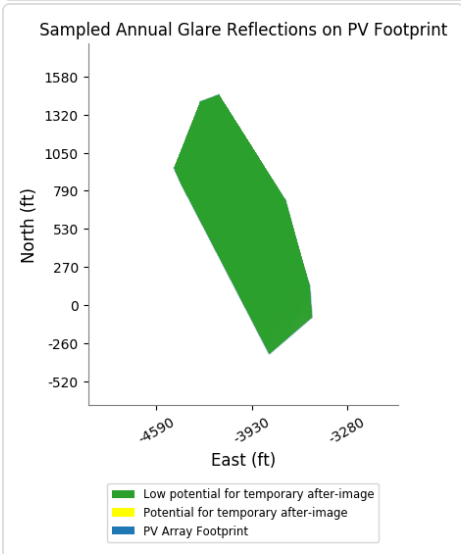
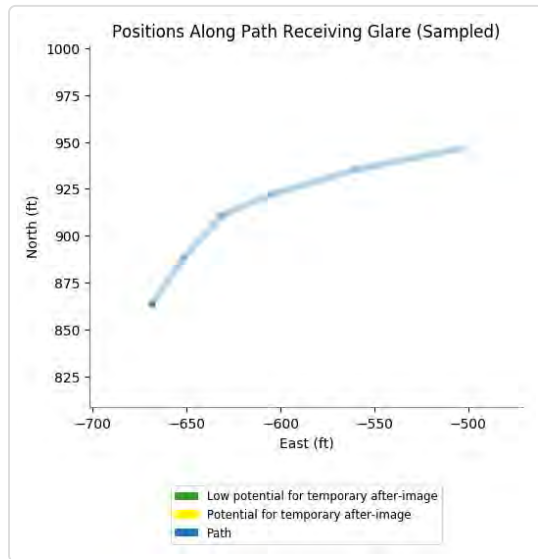
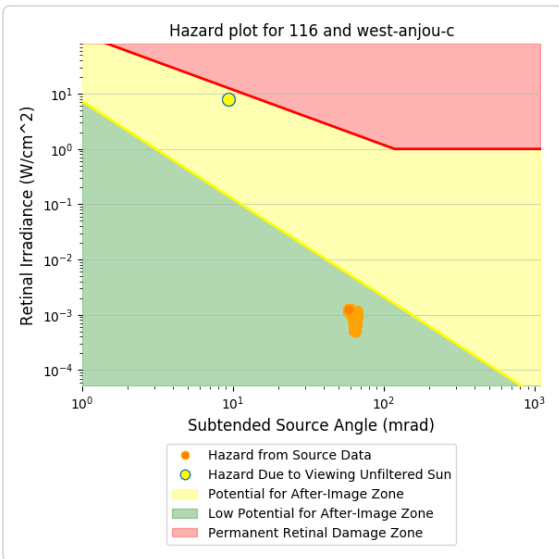
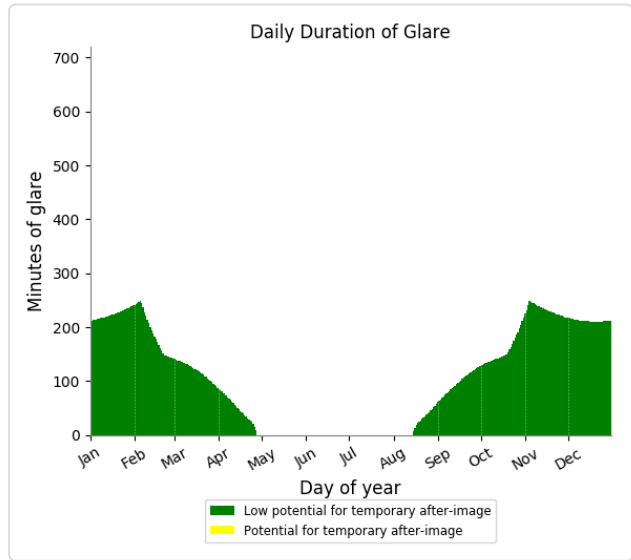
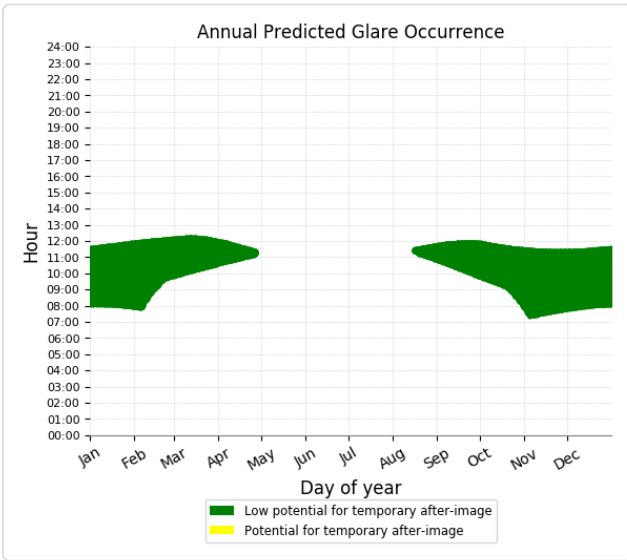
116 - Route Receptor (Thomas Road Braeburn Court)

No glare found

116 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 39,215 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
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OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
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OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	38127	0

117 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

117 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

117 - Receptor (Hornback Airstrip Northbound)

No glare found

117 - Receptor (Hornback Airstrip Southbound)

No glare found

117 - Receptor (Oz Airport NE Bound)

No glare found

117 - Receptor (Oz Airport SW Bound)

No glare found

117 - Receptor (Vine Grove Airport NW Bound)

No glare found

117 - Receptor (Vine Grove Airport SE Bound)

No glare found

117 - OP Receptor (OP 1)

No glare found

117 - OP Receptor (OP 2)

No glare found

117 - OP Receptor (OP 3)

No glare found

117 - OP Receptor (OP 4)

No glare found

117 - OP Receptor (OP 5)

No glare found

117 - OP Receptor (OP 6)

No glare found

117 - OP Receptor (OP 7)

No glare found

117 - OP Receptor (OP 8)

No glare found

117 - OP Receptor (OP 9)

No glare found

117 - OP Receptor (OP 10)

No glare found

117 - OP Receptor (OP 11)

No glare found

117 - OP Receptor (OP 12)

No glare found

117 - OP Receptor (OP 13)

No glare found

117 - OP Receptor (OP 14)

No glare found

117 - OP Receptor (OP 15)

No glare found

117 - OP Receptor (OP 16)

No glare found

117 - OP Receptor (OP 17)

No glare found

117 - OP Receptor (OP 18)

No glare found

117 - OP Receptor (OP 19)

No glare found

117 - OP Receptor (OP 20)

No glare found

117 - OP Receptor (OP 21)

No glare found

117 - OP Receptor (OP 22)

No glare found

117 - OP Receptor (OP 23)

No glare found

117 - OP Receptor (OP 24)

No glare found

117 - OP Receptor (OP 25)

No glare found

117 - OP Receptor (OP 26)

No glare found

117 - OP Receptor (OP 27)

No glare found

117 - OP Receptor (OP 28)

No glare found

117 - OP Receptor (OP 29)

No glare found

117 - OP Receptor (OP 30)

No glare found

117 - OP Receptor (OP 31)

No glare found

117 - OP Receptor (OP 32)

No glare found

117 - OP Receptor (OP 33)

No glare found

117 - OP Receptor (OP 34)

No glare found

117 - OP Receptor (OP 35)

No glare found

117 - OP Receptor (OP 36)

No glare found

117 - OP Receptor (OP 37)

No glare found

117 - OP Receptor (OP 38)

No glare found

117 - OP Receptor (OP 39)

No glare found

117 - OP Receptor (OP 40)

No glare found

117 - Route Receptor (Aiden Lane)

No glare found

117 - Route Receptor (Alcott Court Arden Court)

No glare found

117 - Route Receptor (Canton Road)

No glare found

117 - Route Receptor (Cecelia Road)

No glare found

117 - Route Receptor (Damson Trail)

No glare found

117 - Route Receptor (Goodman Lane)

No glare found

117 - Route Receptor (Hayden School Road)

No glare found

117 - Route Receptor (Hopewell Court Radford Court)

No glare found

117 - Route Receptor (Kitty Hawk Drive)

No glare found

117 - Route Receptor (St John Road)

No glare found

117 - Route Receptor (Thomas Cecelia road)

No glare found

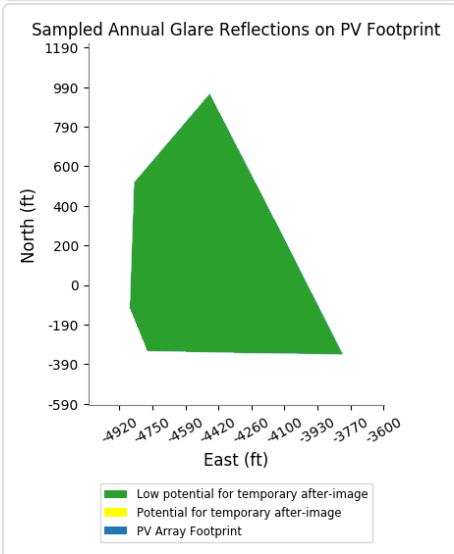
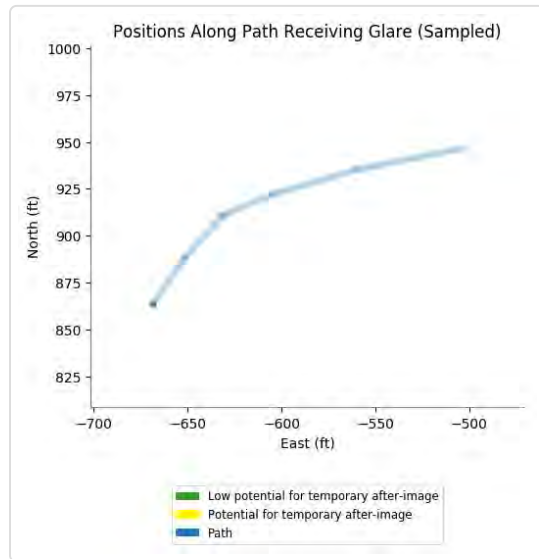
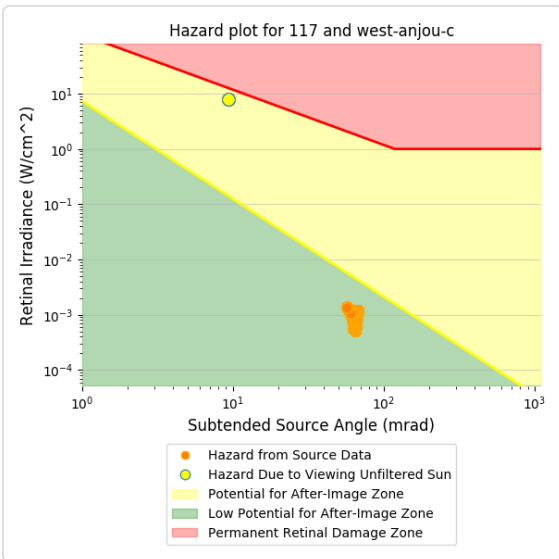
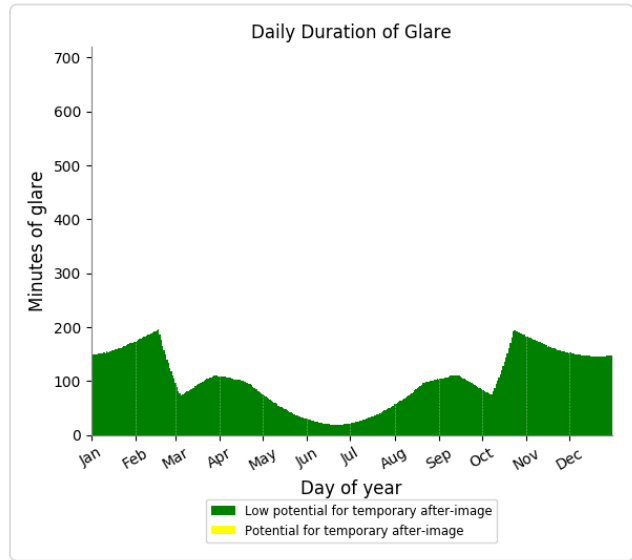
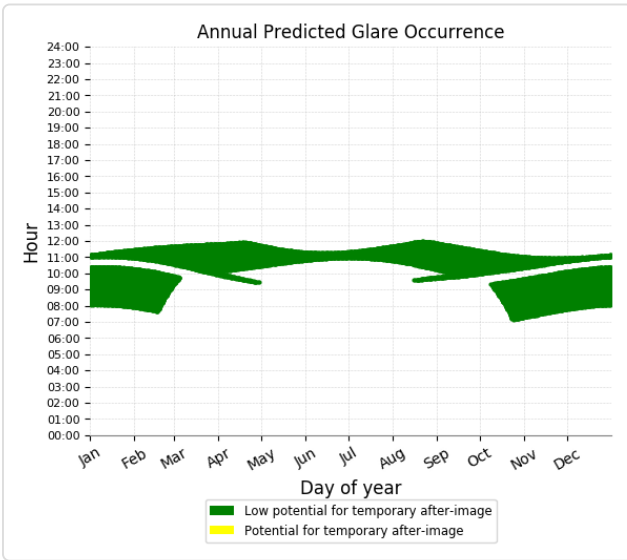
117 - Route Receptor (Thomas Road Braeburn Court)

No glare found

117 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 38,127 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	22116	0

118 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

118 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

118 - Receptor (Hornback Airstrip Northbound)

No glare found

118 - Receptor (Hornback Airstrip Southbound)

No glare found

118 - Receptor (Oz Airport NE Bound)

No glare found

118 - Receptor (Oz Airport SW Bound)

No glare found

118 - Receptor (Vine Grove Airport NW Bound)

No glare found

118 - Receptor (Vine Grove Airport SE Bound)

No glare found

118 - OP Receptor (OP 1)

No glare found

118 - OP Receptor (OP 2)

No glare found

118 - OP Receptor (OP 3)

No glare found

118 - OP Receptor (OP 4)

No glare found

118 - OP Receptor (OP 5)

No glare found

118 - OP Receptor (OP 6)

No glare found

118 - OP Receptor (OP 7)

No glare found

118 - OP Receptor (OP 8)

No glare found

118 - OP Receptor (OP 9)

No glare found

118 - OP Receptor (OP 10)

No glare found

118 - OP Receptor (OP 11)

No glare found

118 - OP Receptor (OP 12)

No glare found

118 - OP Receptor (OP 13)

No glare found

118 - OP Receptor (OP 14)

No glare found

118 - OP Receptor (OP 15)

No glare found

118 - OP Receptor (OP 16)

No glare found

118 - OP Receptor (OP 17)

No glare found

118 - OP Receptor (OP 18)

No glare found

118 - OP Receptor (OP 19)

No glare found

118 - OP Receptor (OP 20)

No glare found

118 - OP Receptor (OP 21)

No glare found

118 - OP Receptor (OP 22)

No glare found

118 - OP Receptor (OP 23)

No glare found

118 - OP Receptor (OP 24)

No glare found

118 - OP Receptor (OP 25)

No glare found

118 - OP Receptor (OP 26)

No glare found

118 - OP Receptor (OP 27)

No glare found

118 - OP Receptor (OP 28)

No glare found

118 - OP Receptor (OP 29)

No glare found

118 - OP Receptor (OP 30)

No glare found

118 - OP Receptor (OP 31)

No glare found

118 - OP Receptor (OP 32)

No glare found

118 - OP Receptor (OP 33)

No glare found

118 - OP Receptor (OP 34)

No glare found

118 - OP Receptor (OP 35)

No glare found

118 - OP Receptor (OP 36)

No glare found

118 - OP Receptor (OP 37)

No glare found

118 - OP Receptor (OP 38)

No glare found

118 - OP Receptor (OP 39)

No glare found

118 - OP Receptor (OP 40)

No glare found

118 - Route Receptor (Aiden Lane)

No glare found

118 - Route Receptor (Alcott Court Arden Court)

No glare found

118 - Route Receptor (Canton Road)

No glare found

118 - Route Receptor (Cecelia Road)

No glare found

118 - Route Receptor (Damson Trail)

No glare found

118 - Route Receptor (Goodman Lane)

No glare found

118 - Route Receptor (Hayden School Road)

No glare found

118 - Route Receptor (Hopewell Court Radford Court)

No glare found

118 - Route Receptor (Kitty Hawk Drive)

No glare found

118 - Route Receptor (St John Road)

No glare found

118 - Route Receptor (Thomas Cecelia road)

No glare found

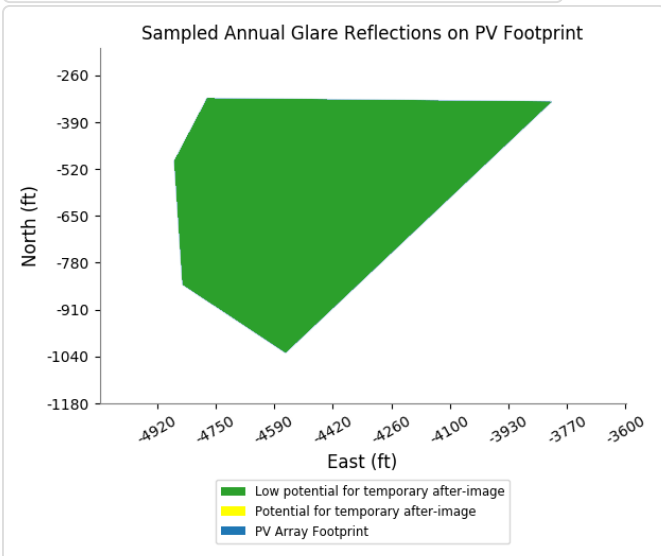
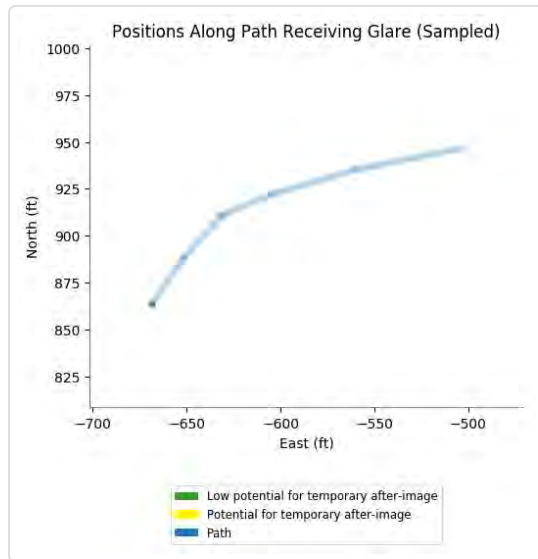
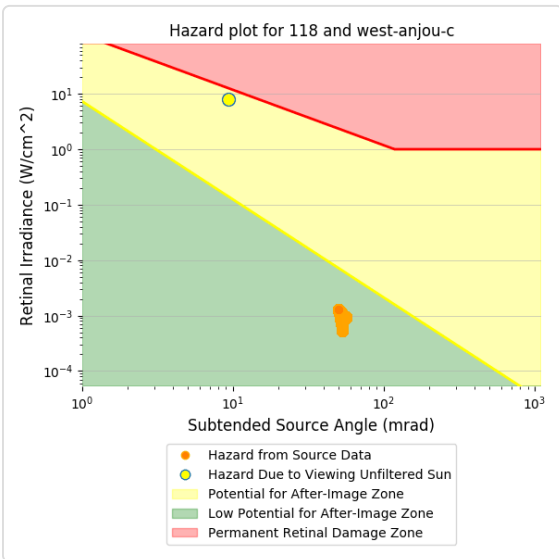
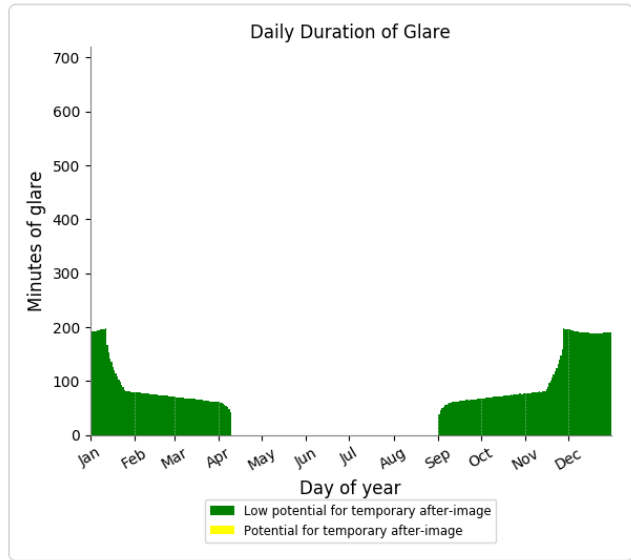
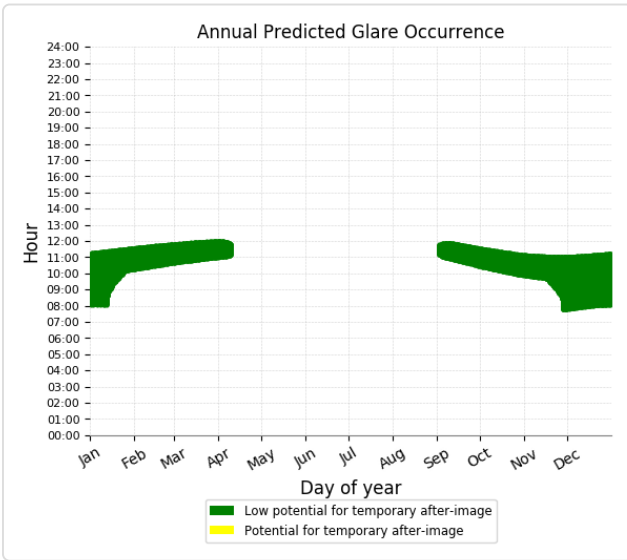
118 - Route Receptor (Thomas Road Braeburn Court)

No glare found

118 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 22,116 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not account for physical obstructions between reflectors and receptors. This includes buildings, tree cover and geographic obstructions
- Detailed system geometry is not rigorously simulated.
- The glare hazard determination relies on several approximations including observer eye characteristics, angle of view, and typical blink response time. Actual values and results may vary.
- The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.
- Several V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results for large PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare.
- The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)
- Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.
- Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
- Glare vector plots are simplified representations of analysis data. Actual glare emanations and results may differ.
- Refer to the **Help page** for detailed assumptions and limitations not listed here.

Telesto Solar

Block 1 8 ft pan 9 ft veh gp 2 houses

Created March 21, 2022
 Updated March 22, 2022
 Time-step 1 minute
 Timezone offset UTC-5
 Site ID 66458.11731

Project type Advanced
 Project status: active
 Category 100 to 500 kW

Misc. Analysis Settings

DNI: varies (1,000.0 W/m² peak)
 Ocular transmission coefficient: 0.5
 Pupil diameter: 0.002 m
 Eye focal length: 0.017 m
 Sun subtended angle: 9.3 mrad

Analysis Methodologies:

- Observation point: **Version 2**
- 2-Mile Flight Path: **Version 2**
- Route: **Version 2**

Summary of Results Glare with low potential for temporary after-image predicted

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced
	deg	deg	min	min	kWh
101	SA tracking	SA tracking	0	0	-
102	SA tracking	SA tracking	0	0	-
103	SA tracking	SA tracking	0	0	-
104	SA tracking	SA tracking	0	0	-
105	SA tracking	SA tracking	7,519	0	-
106	SA tracking	SA tracking	3,956	0	-
107	SA tracking	SA tracking	18,424	0	-
108	SA tracking	SA tracking	18,898	0	-
109	SA tracking	SA tracking	33,461	0	-
110	SA tracking	SA tracking	56,029	0	-
111	SA tracking	SA tracking	18,870	0	-
112	SA tracking	SA tracking	17,224	0	-
113	SA tracking	SA tracking	21,205	0	-
114	SA tracking	SA tracking	20,416	0	-
115	SA tracking	SA tracking	26,925	0	-
116	SA tracking	SA tracking	39,244	0	-
117	SA tracking	SA tracking	38,116	0	-
118	SA tracking	SA tracking	22,124	0	-

Component Data

PV Array(s)

Total PV footprint area: 176.7 acres

Name: 101
Footprint area: 3.4 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.687640	-85.932333	793.92	8.00	801.92
2	37.686804	-85.932269	773.47	8.00	781.47
3	37.685651	-85.933770	769.65	8.00	777.65
4	37.686528	-85.933861	777.64	8.00	785.64

Name: 102
Footprint area: 12.7 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.693775	-85.931505	802.78	8.00	810.78
2	37.693783	-85.931103	806.62	8.00	814.62
3	37.693393	-85.931103	805.37	8.00	813.37
4	37.693333	-85.930556	811.53	8.00	819.53
5	37.692989	-85.930041	811.25	8.00	819.25
6	37.692319	-85.930052	810.68	8.00	818.68
7	37.690084	-85.931859	804.90	8.00	812.90
8	37.690110	-85.932081	800.32	8.00	808.32
9	37.690737	-85.932608	797.62	8.00	805.62
10	37.692205	-85.932416	796.09	8.00	804.09
11	37.692964	-85.931601	805.77	8.00	813.77

Name: 103

Footprint area: 9.8 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.694067	-85.933919	808.24	8.00	816.24
2	37.694071	-85.933640	810.15	8.00	818.15
3	37.693328	-85.933544	800.70	8.00	808.70
4	37.692598	-85.933608	810.87	8.00	818.87
5	37.690446	-85.935180	799.11	8.00	807.11
6	37.691007	-85.935726	805.91	8.00	813.91
7	37.691840	-85.935853	808.86	8.00	816.87

Name: 104

Footprint area: 10.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.690444	-85.935182	799.14	8.00	807.14
2	37.689896	-85.935172	799.54	8.00	807.54
3	37.689877	-85.934922	795.55	8.00	803.55
4	37.690291	-85.934740	797.27	8.00	805.27
5	37.689934	-85.934249	795.31	8.00	803.31
6	37.689543	-85.934338	790.87	8.00	798.87
7	37.688953	-85.934434	789.93	8.00	797.93
8	37.688595	-85.933364	782.04	8.00	790.04
9	37.689189	-85.932975	788.12	8.00	796.12
10	37.689770	-85.932946	795.54	8.00	803.54
11	37.690403	-85.933675	798.81	8.00	806.81
12	37.691190	-85.933629	796.65	8.00	804.65
13	37.691841	-85.933297	798.82	8.00	806.82
14	37.692985	-85.933252	802.55	8.00	810.55
15	37.692594	-85.933611	810.96	8.00	818.97
16	37.691689	-85.934277	813.57	8.00	821.57

Name: 105

Footprint area: 1.3 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.689565	-85.937104	775.52	8.00	783.52
2	37.688869	-85.937122	769.20	8.00	777.20
3	37.688733	-85.937901	765.41	8.00	773.41
4	37.689363	-85.937926	772.87	8.00	780.87



Name: 106

Footprint area: 7.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.684724	-85.935089	757.03	8.00	765.03
2	37.685594	-85.935126	765.13	8.00	773.13
3	37.688074	-85.935469	786.59	8.00	794.59
4	37.688052	-85.936156	777.97	8.00	785.97
5	37.686346	-85.936113	774.41	8.00	782.41
6	37.684304	-85.936022	773.13	8.00	781.13



Name: 107

Footprint area: 23.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688468	-85.937052	768.87	8.00	776.87
2	37.684469	-85.936676	776.90	8.00	784.90
3	37.684087	-85.937266	764.74	8.00	772.74
4	37.685688	-85.940458	760.44	8.00	768.44
5	37.686465	-85.940480	757.44	8.00	765.45

Name: 108

Footprint area: 1.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.687923	-85.942682	746.01	8.00	754.02
2	37.687815	-85.942368	760.81	8.00	768.81
3	37.688176	-85.942371	750.83	8.00	758.83
4	37.688173	-85.942317	751.99	8.00	759.99
5	37.687796	-85.942314	762.20	8.00	770.21
6	37.687607	-85.941622	768.22	8.00	776.22
7	37.686947	-85.941647	748.74	8.00	756.74
8	37.687333	-85.942770	745.08	8.00	753.08

Name: 109

Footprint area: 8.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691419	-85.944527	768.69	8.00	776.69
2	37.691236	-85.943937	767.33	8.00	775.33
3	37.690031	-85.943980	757.24	8.00	765.24
4	37.689640	-85.943127	749.01	8.00	757.01
5	37.688515	-85.943159	749.94	8.00	757.94
6	37.688209	-85.943331	746.17	8.00	754.17
7	37.687972	-85.943744	744.48	8.00	752.48
8	37.688193	-85.944259	749.11	8.00	757.11
9	37.688846	-85.944254	754.05	8.00	762.05
10	37.689080	-85.944785	751.10	8.00	759.10
11	37.690574	-85.944940	762.10	8.00	770.10
12	37.690536	-85.944731	759.58	8.00	767.58

Name: 110

Footprint area: 6.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691245	-85.943948	767.33	8.00	775.33
2	37.691122	-85.943578	765.33	8.00	773.33
3	37.692637	-85.943296	766.81	8.00	774.81
4	37.694271	-85.942993	773.40	8.00	781.40
5	37.694331	-85.943701	783.11	8.00	791.11
6	37.694021	-85.943932	782.59	8.00	790.59
7	37.691419	-85.944527	768.69	8.00	776.69

Name: 111

Footprint area: 15.2 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

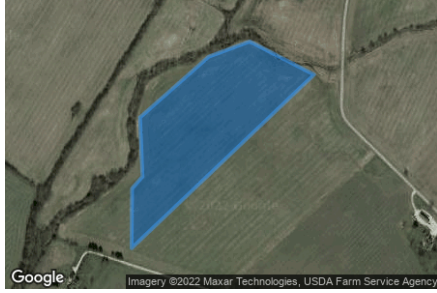
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685807	-85.945568	738.12	8.00	746.12
2	37.686872	-85.944044	742.46	8.00	750.46
3	37.687140	-85.943132	744.46	8.00	752.46
4	37.686558	-85.941706	749.30	8.00	757.30
5	37.683510	-85.945756	744.21	8.00	752.21
6	37.684559	-85.945745	737.82	8.00	745.82
7	37.684767	-85.945514	738.67	8.00	746.67

Name: 112

Footprint area: 16.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.686562	-85.941711	749.30	8.00	757.30
2	37.686571	-85.941561	748.53	8.00	756.53
3	37.686384	-85.941335	749.32	8.00	757.32
4	37.684805	-85.941233	758.23	8.00	766.23
5	37.683077	-85.943739	754.87	8.00	762.87
6	37.683510	-85.945782	744.22	8.00	752.22

Name: 113

Footprint area: 3.3 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692028	-85.951355	775.39	8.00	783.39
2	37.692890	-85.951242	786.66	8.00	794.66
3	37.693599	-85.950904	795.76	8.00	803.76
4	37.693590	-85.950277	795.30	8.00	803.30
5	37.691773	-85.950529	775.56	8.00	783.56

Name: 114

Footprint area: 2.0 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692661	-85.949874	773.91	8.00	781.91
2	37.693246	-85.949520	783.73	8.00	791.73
3	37.693255	-85.949177	784.03	8.00	792.03
4	37.691795	-85.949268	773.92	8.00	781.92
5	37.691816	-85.949874	767.55	8.00	775.55

Name: 115

Footprint area: 9.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.690733	-85.949692	764.64	8.00	772.64
2	37.692614	-85.948437	776.09	8.00	784.09
3	37.692627	-85.948308	776.60	8.00	784.60
4	37.691362	-85.947541	767.38	8.00	775.38
5	37.690627	-85.947578	762.77	8.00	770.77
6	37.689833	-85.948850	757.70	8.00	765.70
7	37.689876	-85.949515	757.21	8.00	765.21
8	37.690474	-85.949831	761.04	8.00	769.04

Name: 116

Footprint area: 16.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691485	-85.947160	769.39	8.00	777.39
2	37.691616	-85.946720	774.02	8.00	782.02
3	37.690738	-85.946688	764.60	8.00	772.60
4	37.690733	-85.946639	763.98	8.00	771.98
5	37.690186	-85.946307	759.56	8.00	767.56
6	37.689630	-85.945137	750.16	8.00	758.16
7	37.688517	-85.944778	752.98	8.00	760.98
8	37.688000	-85.944558	749.08	8.00	757.08
9	37.687409	-85.944504	742.72	8.00	750.72
10	37.686717	-85.945518	740.62	8.00	748.63
11	37.688315	-85.946556	759.35	8.00	767.35
12	37.689937	-85.947615	767.32	8.00	775.32
13	37.690233	-85.947783	763.44	8.00	771.44
14	37.690654	-85.947365	763.60	8.00	771.60

Name: 117

Footprint area: 18.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

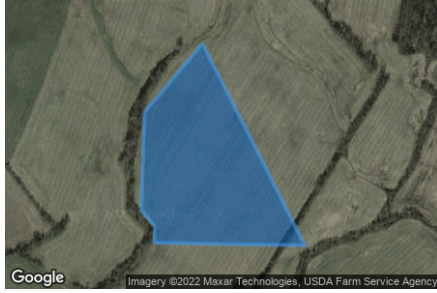
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.690238	-85.947789	763.20	8.00	771.20
2	37.689041	-85.949071	758.11	8.00	766.11
3	37.687321	-85.949146	749.45	8.00	757.45
4	37.687037	-85.948840	746.41	8.00	754.41
5	37.686748	-85.948851	746.50	8.00	754.50
6	37.686721	-85.947175	752.20	8.00	760.21
7	37.686701	-85.945520	740.01	8.00	748.01
8	37.688482	-85.946654	756.68	8.00	764.68

Name: 118

Footprint area: 10.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.686714	-85.945530	740.21	8.00	748.21
2	37.684791	-85.948095	745.54	8.00	753.54
3	37.685313	-85.949087	743.09	8.00	751.09
4	37.686260	-85.949167	746.31	8.00	754.31
5	37.686740	-85.948851	746.45	8.00	754.45

2-Mile Flight Path Receptor(s)

Name: Elizabethtown Regional Airport Runway 23
Description:
Threshold height : 50 ft
Direction: 225.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



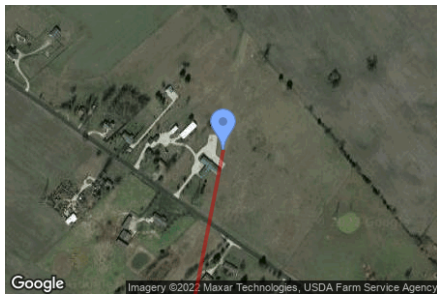
Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.691634	-85.917563	769.91	50.00	819.91
2-mile point	37.711924	-85.891503	745.53	627.83	1373.37

Name: Elizabethtown Regional Airport Runway 5
Description:
Threshold height : 50 ft
Direction: 49.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.680407	-85.932519	751.25	50.00	801.26
2-mile point	37.661653	-85.960355	690.06	664.65	1354.71

Name: Hornback Airstrip Northbound
Description:
Threshold height : 50 ft
Direction: 11.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.620818	-85.791738	782.24	50.00	832.24
2-mile point	37.592433	-85.798686	723.03	662.67	1385.70

Name: Hornback Airstrip Southbound
Description:
Threshold height : 50 ft
Direction: 194.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.625076	-85.790590	733.51	50.00	783.52
2-mile point	37.653055	-85.781377	827.86	509.11	1336.97



Name: Oz Airport NE Bound
Description:
Threshold height : 50 ft
Direction: 313.3 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.652149	-85.809356	834.93	50.00	884.94
2-mile point	37.632309	-85.782761	773.96	664.43	1438.39



Name: Oz Airport SW Bound
Description:
Threshold height : 50 ft
Direction: 140.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.658203	-85.816375	817.66	50.00	867.66
2-mile point	37.680468	-85.839701	791.67	629.45	1421.12



Name: Vine Grove Airport NW Bound

Description:

Threshold height : 50 ft

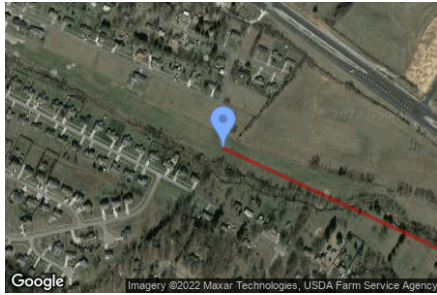
Direction: 294.9 deg

Glide slope: 3.0 deg

Pilot view restricted? Yes

Vertical view restriction: 30.0 deg

Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.814237	-85.961318	684.17	50.00	734.17
2-mile point	37.802059	-85.928086	754.23	533.39	1287.62

Name: Vine Grove Airport SE Bound

Description:

Threshold height : 50 ft

Direction: 117.6 deg

Glide slope: 3.0 deg

Pilot view restricted? Yes

Vertical view restriction: 30.0 deg

Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.816483	-85.967294	676.33	50.00	726.33
2-mile point	37.829855	-85.999781	668.90	610.89	1279.79

Route Receptor(s)

Name: Aiden Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.695693	-85.925773	797.79	9.00	806.79
2	37.694767	-85.926696	806.53	9.00	815.53
3	37.693664	-85.927736	791.96	9.00	800.96
4	37.693163	-85.928305	792.44	9.00	801.44
5	37.693112	-85.928380	794.16	9.00	803.16
6	37.692526	-85.928026	791.22	9.00	800.22
7	37.692322	-85.927940	792.92	9.00	801.92
8	37.691244	-85.928015	789.79	9.00	798.79
9	37.690973	-85.928283	783.04	9.00	792.04
10	37.690124	-85.929442	783.68	9.00	792.68
11	37.689741	-85.929764	785.75	9.00	794.75
12	37.688875	-85.928755	775.45	9.00	784.45

Name: Alcott Court Arden Court
Route type: Two-way
View angle: 50.0 deg



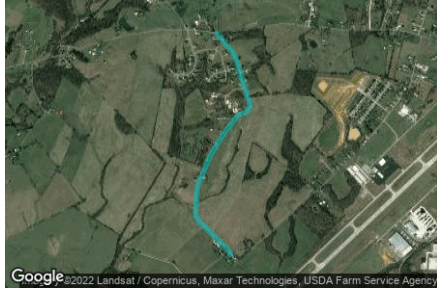
Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.693019	-85.927157	795.31	9.00	804.32
2	37.693613	-85.926556	799.43	9.00	808.43
3	37.694385	-85.925848	798.49	9.00	807.49
4	37.695158	-85.925108	789.46	9.00	798.46
5	37.695438	-85.924839	785.25	9.00	794.26

Name: Canton Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.694835	-85.926610	808.38	9.00	817.38
2	37.694385	-85.925827	798.12	9.00	807.12
3	37.693689	-85.924721	788.30	9.00	797.30
4	37.693197	-85.923852	775.38	9.00	784.38

Name: Cecelia Road
Route type: Two-way
View angle: 50.0 deg



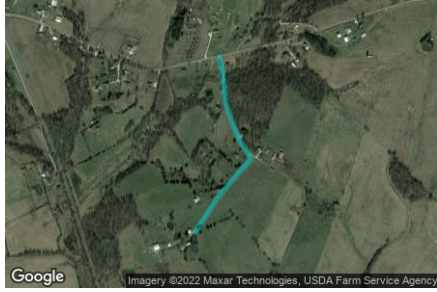
Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.698822	-85.939183	833.50	9.00	842.50
2	37.698321	-85.938711	826.58	9.00	835.58
3	37.697659	-85.937960	825.48	9.00	834.48
4	37.697332	-85.937670	823.31	9.00	832.31
5	37.697073	-85.937525	821.58	9.00	830.58
6	37.695668	-85.936994	817.19	9.00	826.19
7	37.694191	-85.936415	825.18	9.00	834.18
8	37.693809	-85.936259	826.50	9.00	835.50
9	37.693609	-85.936243	826.66	9.00	835.66
10	37.693427	-85.936383	824.24	9.00	833.25
11	37.693236	-85.936689	821.68	9.00	830.68
12	37.693087	-85.937171	823.65	9.00	832.65
13	37.692956	-85.937429	822.72	9.00	831.72
14	37.692259	-85.938121	819.44	9.00	828.44
15	37.691729	-85.938593	813.69	9.00	822.69
16	37.691139	-85.939060	804.52	9.00	813.52
17	37.690523	-85.939548	795.99	9.00	804.99
18	37.690035	-85.939880	791.73	9.00	800.73
19	37.689356	-85.940245	784.66	9.00	793.66
20	37.688842	-85.940497	785.64	9.00	794.64
21	37.688324	-85.940803	770.22	9.00	779.22
22	37.687921	-85.940937	763.11	9.00	772.11
23	37.687201	-85.941034	755.74	9.00	764.74
24	37.686473	-85.941077	751.76	9.00	760.77
25	37.685926	-85.941071	757.26	9.00	766.26
26	37.685565	-85.940792	761.30	9.00	770.30
27	37.684788	-85.939773	760.35	9.00	769.35
28	37.684177	-85.939017	767.15	9.00	776.15
29	37.683795	-85.938523	765.05	9.00	774.05
30	37.683480	-85.938132	759.66	9.00	768.67
31	37.683238	-85.938008	758.76	9.00	767.76

Name: Damson Trail
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.697399	-85.941169	814.31	9.00	823.31
2	37.697586	-85.940321	806.56	9.00	815.56
3	37.697688	-85.939581	816.05	9.00	825.05
4	37.697560	-85.939066	813.73	9.00	822.73
5	37.697314	-85.938787	811.13	9.00	820.13
6	37.696571	-85.938556	809.91	9.00	818.91
7	37.696117	-85.938433	810.90	9.00	819.90

Name: Goodman Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.696730	-85.955781	757.93	9.00	766.93
2	37.696212	-85.955641	749.09	9.00	758.10
3	37.695567	-85.955545	755.60	9.00	764.60
4	37.695100	-85.955502	764.15	9.00	773.16
5	37.694446	-85.955223	777.53	9.00	786.53
6	37.693733	-85.954848	801.08	9.00	810.08
7	37.693292	-85.954472	808.08	9.00	817.08
8	37.693105	-85.954386	805.20	9.00	814.20
9	37.692816	-85.954740	803.47	9.00	812.47
10	37.692146	-85.955459	802.39	9.00	811.39
11	37.691764	-85.955867	801.25	9.00	810.25
12	37.690592	-85.956822	785.72	9.00	794.72

Name: Hayden School Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.677893	-85.946307	754.79	9.00	763.79
2	37.678674	-85.945138	768.63	9.00	777.63
3	37.679795	-85.943507	753.42	9.00	762.42
4	37.681103	-85.941576	755.61	9.00	764.61
5	37.682113	-85.940116	776.74	9.00	785.74
6	37.682793	-85.939087	763.42	9.00	772.42
7	37.683098	-85.938604	765.04	9.00	774.05
8	37.683260	-85.938014	758.32	9.00	767.32
9	37.683429	-85.937112	758.77	9.00	767.77
10	37.683540	-85.936447	765.86	9.00	774.86
11	37.683650	-85.936050	768.95	9.00	777.95
12	37.683854	-85.935696	767.94	9.00	776.94
13	37.685077	-85.933926	756.15	9.00	765.15
14	37.687286	-85.930871	776.58	9.00	785.58
15	37.689564	-85.927752	768.00	9.00	777.00
16	37.690619	-85.926370	778.56	9.00	787.56
17	37.691214	-85.925703	787.76	9.00	796.76
18	37.692691	-85.924285	778.43	9.00	787.43
19	37.694798	-85.922264	770.80	9.00	779.80

Name: Hopewell Court Radford Court
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692501	-85.926481	791.65	9.00	800.65
2	37.693307	-85.925698	785.59	9.00	794.59
3	37.694165	-85.924861	791.70	9.00	800.70
4	37.695124	-85.923928	778.87	9.00	787.87

Name: Kitty Hawk Drive
Route type Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692618	-85.924376	779.14	9.00	788.15
2	37.691904	-85.923625	770.82	9.00	779.82
3	37.691565	-85.923196	772.85	9.00	781.85
4	37.691242	-85.923174	777.94	9.00	786.94
5	37.691853	-85.922230	773.71	9.00	782.72
6	37.693229	-85.920449	765.64	9.00	774.64
7	37.694146	-85.919205	759.18	9.00	768.18
8	37.694638	-85.918475	756.37	9.00	765.37
9	37.694757	-85.917917	754.37	9.00	763.38
10	37.694774	-85.917424	752.06	9.00	761.06
11	37.694180	-85.914699	737.10	9.00	746.10
12	37.693840	-85.913003	731.15	9.00	740.15
13	37.693534	-85.911759	727.17	9.00	736.17

Name: St John Road
Route type Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.696404	-85.959508	769.81	9.00	778.81
2	37.696285	-85.958907	757.90	9.00	766.90
3	37.696277	-85.958489	752.63	9.00	761.63
4	37.696642	-85.956365	759.00	9.00	768.00
5	37.697058	-85.954165	755.86	9.00	764.86
6	37.697508	-85.951987	773.93	9.00	782.93
7	37.698110	-85.949616	797.45	9.00	806.45
8	37.698590	-85.947670	810.71	9.00	819.71
9	37.698780	-85.946453	811.00	9.00	820.00
10	37.699026	-85.943847	819.36	9.00	828.36
11	37.699059	-85.942240	806.46	9.00	815.46
12	37.699006	-85.940679	821.09	9.00	830.09
13	37.698811	-85.938806	835.72	9.00	844.72
14	37.698905	-85.937792	815.95	9.00	824.95
15	37.699212	-85.935291	794.15	9.00	803.15
16	37.699486	-85.933100	771.48	9.00	780.48
17	37.699473	-85.932537	762.72	9.00	771.72
18	37.699261	-85.930876	777.94	9.00	786.94
19	37.699143	-85.929054	801.28	9.00	810.28
20	37.698991	-85.927000	778.10	9.00	787.10
21	37.699044	-85.923985	766.70	9.00	775.70

Name: Thomas Cecelia road
Route type Two-way
View angle: 50.0 deg

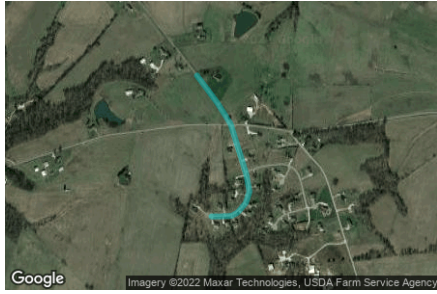


Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.678353	-85.945791	760.40	9.00	769.40
2	37.678778	-85.946005	760.49	9.00	769.49
3	37.679542	-85.947057	757.98	9.00	766.98
4	37.680476	-85.948323	754.72	9.00	763.72
5	37.681071	-85.949439	726.64	9.00	735.64
6	37.681240	-85.949996	727.39	9.00	736.39

Name: Thomas Road Braeburn Court

Route type: Two-way

View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.700803	-85.943336	834.13	9.00	843.13
2	37.699844	-85.942435	815.90	9.00	824.90
3	37.699097	-85.941845	810.08	9.00	819.08
4	37.698095	-85.941448	811.46	9.00	820.46
5	37.697323	-85.941147	815.09	9.00	824.09
6	37.696712	-85.941008	808.99	9.00	817.99
7	37.696313	-85.941169	799.74	9.00	808.74
8	37.695973	-85.941534	801.30	9.00	810.30
9	37.695854	-85.941812	800.69	9.00	809.69
10	37.695837	-85.942381	791.56	9.00	800.56
11	37.695837	-85.942692	786.56	9.00	795.56

Name: West Anjou Court

Route type: Two-way

View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.695421	-85.939913	5803.51	9.00	5812.51
2	37.695642	-85.939720	802.24	9.00	811.24
3	37.695846	-85.939495	806.96	9.00	815.96
4	37.695947	-85.939195	811.99	9.00	820.99
5	37.696066	-85.938680	811.22	9.00	820.22
6	37.696168	-85.938047	809.11	9.00	818.11

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	ft	ft	ft
OP 1	37.709227	-85.876066	769.34	500.02	1269.37
OP 2	37.688570	-85.930281	781.66	25.00	806.66
OP 3	37.688782	-85.930045	782.00	25.00	807.00
OP 4	37.689011	-85.929755	783.26	25.00	808.26
OP 5	37.689241	-85.929551	786.58	25.00	811.59
OP 6	37.689351	-85.928811	781.25	25.00	806.25
OP 7	37.689521	-85.928468	777.89	25.00	802.90
OP 8	37.689725	-85.928210	779.55	25.00	804.55
OP 9	37.689860	-85.928039	778.35	25.00	803.35
OP 10	37.690047	-85.927738	782.78	25.00	807.79
OP 11	37.690242	-85.927449	782.52	25.00	807.52
OP 12	37.691117	-85.926247	783.51	25.00	808.51
OP 13	37.691346	-85.926022	786.65	25.00	811.65
OP 14	37.691635	-85.925775	792.88	25.00	817.88
OP 15	37.692229	-85.926247	790.16	25.00	815.16
OP 16	37.692611	-85.926794	789.36	25.00	814.36
OP 17	37.692738	-85.927062	790.41	25.00	815.41
OP 18	37.692857	-85.927395	789.25	25.00	814.25
OP 19	37.693103	-85.927599	788.65	25.00	813.65
OP 20	37.693333	-85.927288	796.92	25.00	821.93
OP 21	37.693503	-85.927095	801.23	25.00	826.23
OP 22	37.693706	-85.926912	804.63	25.00	829.63
OP 23	37.693859	-85.926708	805.28	25.00	830.28
OP 24	37.682895	-85.947041	740.24	25.00	765.24
OP 25	37.698944	-85.947989	811.75	25.00	836.75
OP 26	37.700146	-85.945875	827.90	25.00	852.90
OP 27	37.697849	-85.949496	801.59	25.00	826.59
OP 28	37.700719	-85.942399	829.89	25.00	854.89
OP 29	37.702094	-85.943118	834.97	25.00	859.97
OP 30	37.701105	-85.944056	838.69	25.00	863.69
OP 31	37.695587	-85.936584	816.63	25.00	841.63
OP 32	37.696462	-85.936841	817.54	25.00	842.54
OP 33	37.698253	-85.938183	830.34	25.00	855.34
OP 34	37.698507	-85.939674	824.80	25.00	849.80
OP 35	37.699475	-85.928988	804.16	25.00	829.16
OP 36	37.699611	-85.931391	768.98	25.00	793.98
OP 37	37.699484	-85.930715	782.99	25.00	807.99
OP 38	37.699280	-85.927926	796.57	25.00	821.57
OP 39	37.699390	-85.927164	789.71	25.00	814.71
OP 40	37.699348	-85.926241	775.90	25.00	800.91

Summary of PV Glare Analysis

PV configuration and total predicted glare

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced	Data File
	deg	deg	min	min	kWh	
101	SA tracking	SA tracking	0	0	-	
102	SA tracking	SA tracking	0	0	-	
103	SA tracking	SA tracking	0	0	-	
104	SA tracking	SA tracking	0	0	-	
105	SA tracking	SA tracking	7,519	0	-	
106	SA tracking	SA tracking	3,956	0	-	
107	SA tracking	SA tracking	18,424	0	-	
108	SA tracking	SA tracking	18,898	0	-	
109	SA tracking	SA tracking	33,461	0	-	
110	SA tracking	SA tracking	56,029	0	-	
111	SA tracking	SA tracking	18,870	0	-	
112	SA tracking	SA tracking	17,224	0	-	
113	SA tracking	SA tracking	21,205	0	-	
114	SA tracking	SA tracking	20,416	0	-	
115	SA tracking	SA tracking	26,925	0	-	
116	SA tracking	SA tracking	39,244	0	-	
117	SA tracking	SA tracking	38,116	0	-	
118	SA tracking	SA tracking	22,124	0	-	

Distinct glare per month

Excludes overlapping glare from PV array for multiple receptors at matching time(s)

PV	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
105 (green)	1110	889	825	531	0	0	0	287	744	931	1044	1158
105 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
106 (green)	774	617	309	0	0	0	0	0	127	601	727	801
106 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
107 (green)	2900	2309	2100	862	0	0	0	303	1827	2408	2721	2994
107 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
108 (green)	1877	1616	1678	1477	1336	1146	1287	1448	1584	1749	1800	1900
108 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
109 (green)	5846	3042	2842	2049	602	0	154	1659	2551	3199	4705	6812
109 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
110 (green)	6353	7110	6380	3802	1894	615	1340	3071	5311	7789	6540	5824
110 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
111 (green)	2906	2331	2186	968	0	0	0	321	1982	2431	2732	3013
111 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
112 (green)	2710	2223	2131	583	0	0	0	138	1735	2356	2562	2786
112 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
113 (green)	0	595	3908	3120	2169	1144	1655	2930	3781	1903	0	0
113 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
114 (green)	0	924	3780	2694	2029	1097	1577	2632	3267	2416	0	0
114 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
115 (green)	1060	4206	4138	2736	1300	20	615	2418	3284	5009	2139	0
115 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
116 (green)	6949	5347	3691	1371	0	0	0	593	2913	4856	6958	6566
116 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
117 (green)	4906	4704	2900	2947	1558	658	1098	2573	3077	4122	5001	4572
117 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
118 (green)	4352	2116	2047	495	0	0	0	0	1763	2243	3193	5915
118 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0

PV & Receptor Analysis Results

Results for each PV array and receptor

101 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

102 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

103 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

104 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

105 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0

OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	7519	0

105 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

105 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

105 - Receptor (Hornback Airstrip Northbound)

No glare found

105 - Receptor (Hornback Airstrip Southbound)

No glare found

105 - Receptor (Oz Airport NE Bound)

No glare found

105 - Receptor (Oz Airport SW Bound)

No glare found

105 - Receptor (Vine Grove Airport NW Bound)

No glare found

105 - Receptor (Vine Grove Airport SE Bound)

No glare found

105 - OP Receptor (OP 1)

No glare found

105 - OP Receptor (OP 2)

No glare found

105 - OP Receptor (OP 3)

No glare found

105 - OP Receptor (OP 4)

No glare found

105 - OP Receptor (OP 5)

No glare found

105 - OP Receptor (OP 6)

No glare found

105 - OP Receptor (OP 7)

No glare found

105 - OP Receptor (OP 8)

No glare found

105 - OP Receptor (OP 9)

No glare found

105 - OP Receptor (OP 10)

No glare found

105 - OP Receptor (OP 11)

No glare found

105 - OP Receptor (OP 12)

No glare found

105 - OP Receptor (OP 13)

No glare found

105 - OP Receptor (OP 14)

No glare found

105 - OP Receptor (OP 15)

No glare found

105 - OP Receptor (OP 16)

No glare found

105 - OP Receptor (OP 17)

No glare found

105 - OP Receptor (OP 18)

No glare found

105 - OP Receptor (OP 19)

No glare found

105 - OP Receptor (OP 20)

No glare found

105 - OP Receptor (OP 21)

No glare found

105 - OP Receptor (OP 22)

No glare found

105 - OP Receptor (OP 23)

No glare found

105 - OP Receptor (OP 24)

No glare found

105 - OP Receptor (OP 25)

No glare found

105 - OP Receptor (OP 26)

No glare found

105 - OP Receptor (OP 27)

No glare found

105 - OP Receptor (OP 28)

No glare found

105 - OP Receptor (OP 29)

No glare found

105 - OP Receptor (OP 30)

No glare found

105 - OP Receptor (OP 31)

No glare found

105 - OP Receptor (OP 32)

No glare found

105 - OP Receptor (OP 33)

No glare found

105 - OP Receptor (OP 34)

No glare found

105 - OP Receptor (OP 35)

No glare found

105 - OP Receptor (OP 36)

No glare found

105 - OP Receptor (OP 37)

No glare found

105 - OP Receptor (OP 38)

No glare found

105 - OP Receptor (OP 39)

No glare found

105 - OP Receptor (OP 40)

No glare found

105 - Route Receptor (Aiden Lane)

No glare found

105 - Route Receptor (Alcott Court Arden Court)

No glare found

105 - Route Receptor (Canton Road)

No glare found

105 - Route Receptor (Cecelia Road)

No glare found

105 - Route Receptor (Damson Trail)

No glare found

105 - Route Receptor (Goodman Lane)

No glare found

105 - Route Receptor (Hayden School Road)

No glare found

105 - Route Receptor (Hopewell Court Radford Court)

No glare found

105 - Route Receptor (Kitty Hawk Drive)

No glare found

105 - Route Receptor (St John Road)

No glare found

105 - Route Receptor (Thomas Cecelia road)

No glare found

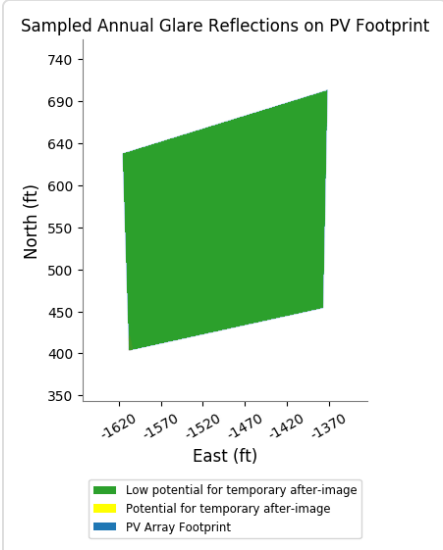
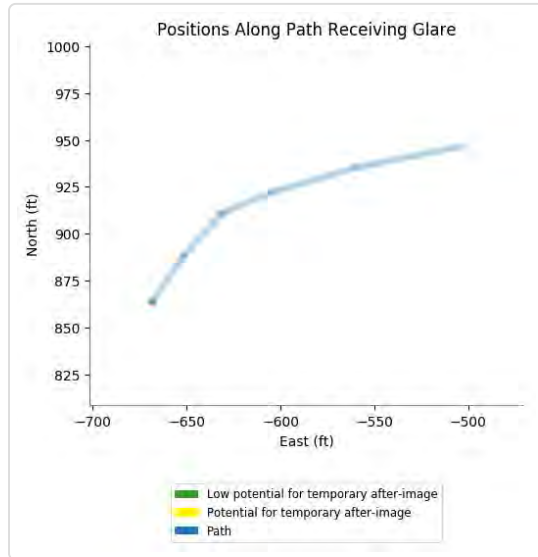
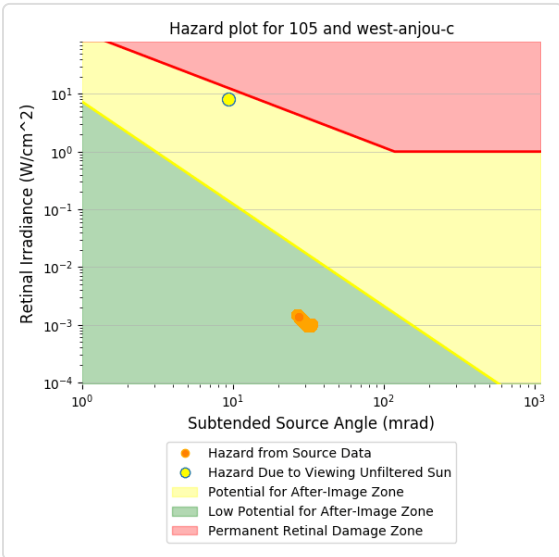
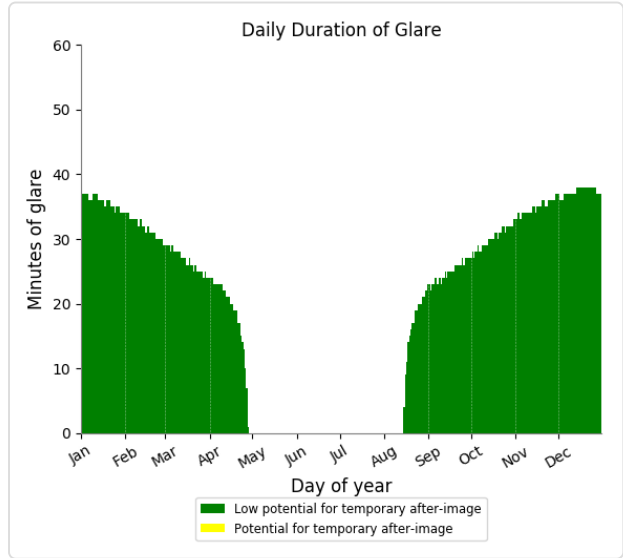
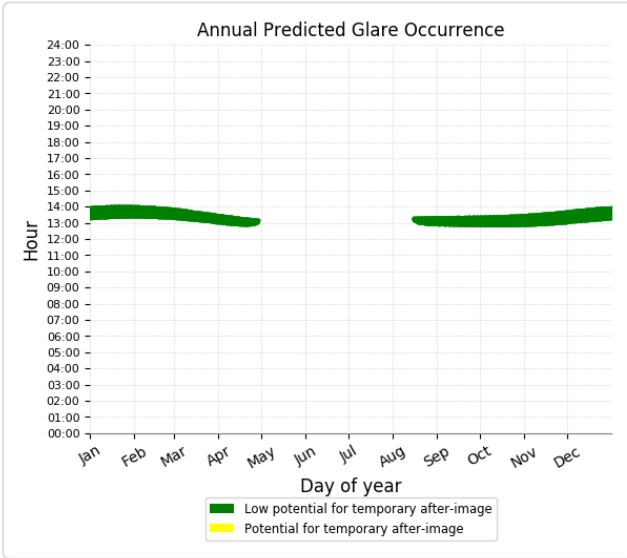
105 - Route Receptor (Thomas Road Braeburn Court)

No glare found

105 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 7,519 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	3956	0

106 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

106 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

106 - Receptor (Hornback Airstrip Northbound)

No glare found

106 - Receptor (Hornback Airstrip Southbound)

No glare found

106 - Receptor (Oz Airport NE Bound)

No glare found

106 - Receptor (Oz Airport SW Bound)

No glare found

106 - Receptor (Vine Grove Airport NW Bound)

No glare found

106 - Receptor (Vine Grove Airport SE Bound)

No glare found

106 - OP Receptor (OP 1)

No glare found

106 - OP Receptor (OP 2)

No glare found

106 - OP Receptor (OP 3)

No glare found

106 - OP Receptor (OP 4)

No glare found

106 - OP Receptor (OP 5)

No glare found

106 - OP Receptor (OP 6)

No glare found

106 - OP Receptor (OP 7)

No glare found

106 - OP Receptor (OP 8)

No glare found

106 - OP Receptor (OP 9)

No glare found

106 - OP Receptor (OP 10)

No glare found

106 - OP Receptor (OP 11)

No glare found

106 - OP Receptor (OP 12)

No glare found

106 - OP Receptor (OP 13)

No glare found

106 - OP Receptor (OP 14)

No glare found

106 - OP Receptor (OP 15)

No glare found

106 - OP Receptor (OP 16)

No glare found

106 - OP Receptor (OP 17)

No glare found

106 - OP Receptor (OP 18)

No glare found

106 - OP Receptor (OP 19)

No glare found

106 - OP Receptor (OP 20)

No glare found

106 - OP Receptor (OP 21)

No glare found

106 - OP Receptor (OP 22)

No glare found

106 - OP Receptor (OP 23)

No glare found

106 - OP Receptor (OP 24)

No glare found

106 - OP Receptor (OP 25)

No glare found

106 - OP Receptor (OP 26)

No glare found

106 - OP Receptor (OP 27)

No glare found

106 - OP Receptor (OP 28)

No glare found

106 - OP Receptor (OP 29)

No glare found

106 - OP Receptor (OP 30)

No glare found

106 - OP Receptor (OP 31)

No glare found

106 - OP Receptor (OP 32)

No glare found

106 - OP Receptor (OP 33)

No glare found

106 - OP Receptor (OP 34)

No glare found

106 - OP Receptor (OP 35)

No glare found

106 - OP Receptor (OP 36)

No glare found

106 - OP Receptor (OP 37)

No glare found

106 - OP Receptor (OP 38)

No glare found

106 - OP Receptor (OP 39)

No glare found

106 - OP Receptor (OP 40)

No glare found

106 - Route Receptor (Aiden Lane)

No glare found

106 - Route Receptor (Alcott Court Arden Court)

No glare found

106 - Route Receptor (Canton Road)

No glare found

106 - Route Receptor (Cecelia Road)

No glare found

106 - Route Receptor (Damson Trail)

No glare found

106 - Route Receptor (Goodman Lane)

No glare found

106 - Route Receptor (Hayden School Road)

No glare found

106 - Route Receptor (Hopewell Court Radford Court)

No glare found

106 - Route Receptor (Kitty Hawk Drive)

No glare found

106 - Route Receptor (St John Road)

No glare found

106 - Route Receptor (Thomas Cecelia road)

No glare found

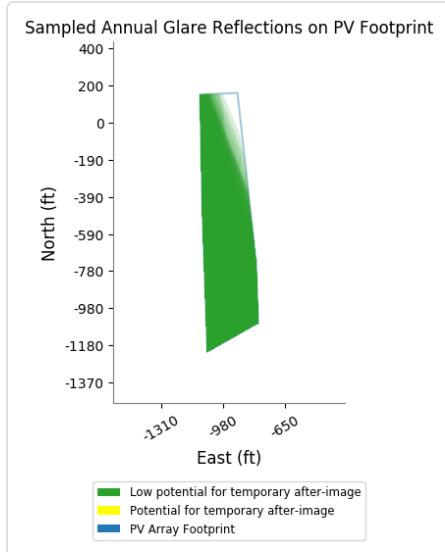
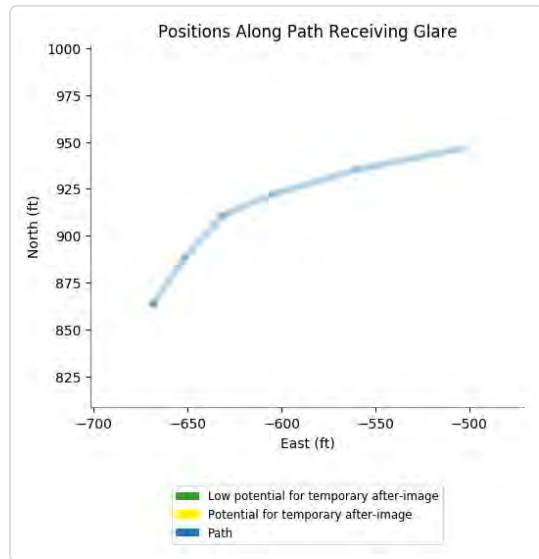
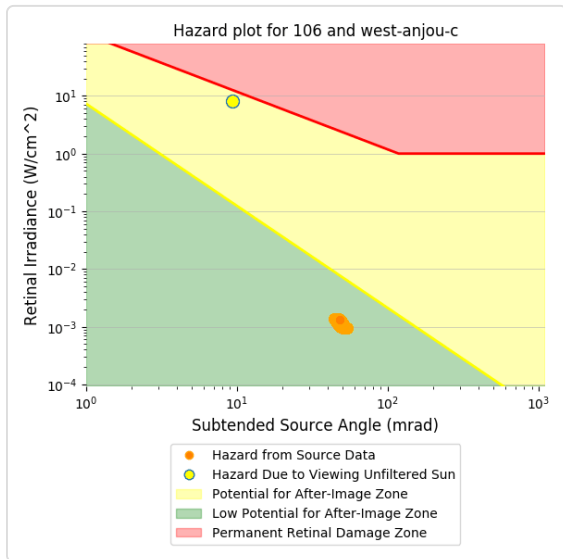
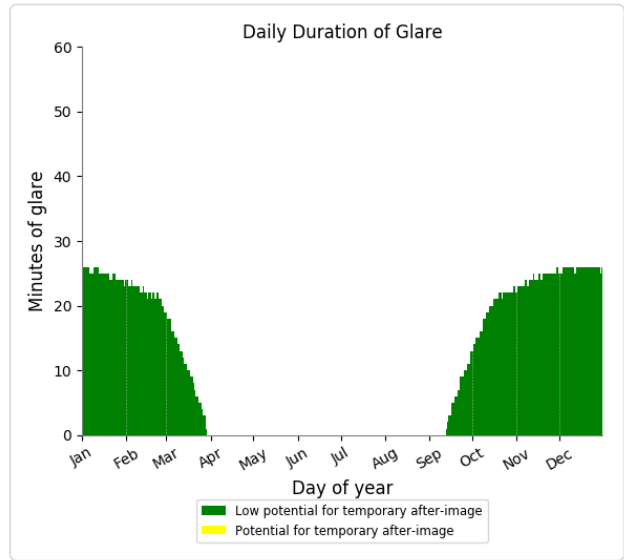
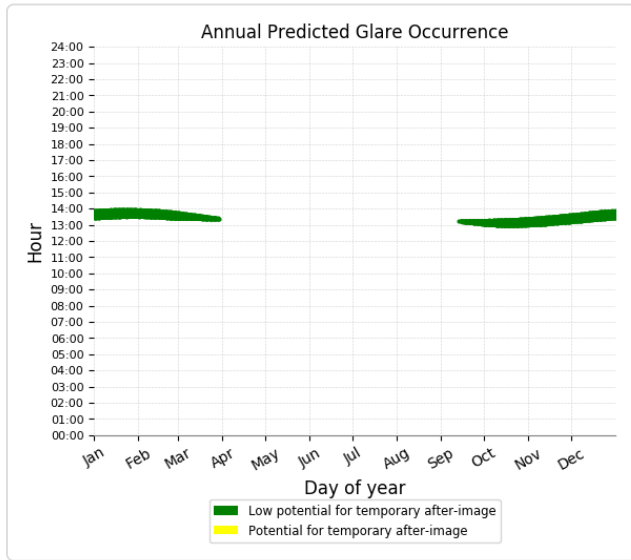
106 - Route Receptor (Thomas Road Braeburn Court)

No glare found

106 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 3,956 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	18424	0

107 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

107 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

107 - Receptor (Hornback Airstrip Northbound)

No glare found

107 - Receptor (Hornback Airstrip Southbound)

No glare found

107 - Receptor (Oz Airport NE Bound)

No glare found

107 - Receptor (Oz Airport SW Bound)

No glare found

107 - Receptor (Vine Grove Airport NW Bound)

No glare found

107 - Receptor (Vine Grove Airport SE Bound)

No glare found

107 - OP Receptor (OP 1)

No glare found

107 - OP Receptor (OP 2)

No glare found

107 - OP Receptor (OP 3)

No glare found

107 - OP Receptor (OP 4)

No glare found

107 - OP Receptor (OP 5)

No glare found

107 - OP Receptor (OP 6)

No glare found

107 - OP Receptor (OP 7)

No glare found

107 - OP Receptor (OP 8)

No glare found

107 - OP Receptor (OP 9)

No glare found

107 - OP Receptor (OP 10)

No glare found

107 - OP Receptor (OP 11)

No glare found

107 - OP Receptor (OP 12)

No glare found

107 - OP Receptor (OP 13)

No glare found

107 - OP Receptor (OP 14)

No glare found

107 - OP Receptor (OP 15)

No glare found

107 - OP Receptor (OP 16)

No glare found

107 - OP Receptor (OP 17)

No glare found

107 - OP Receptor (OP 18)

No glare found

107 - OP Receptor (OP 19)

No glare found

107 - OP Receptor (OP 20)

No glare found

107 - OP Receptor (OP 21)

No glare found

107 - OP Receptor (OP 22)

No glare found

107 - OP Receptor (OP 23)

No glare found

107 - OP Receptor (OP 24)

No glare found

107 - OP Receptor (OP 25)

No glare found

107 - OP Receptor (OP 26)

No glare found

107 - OP Receptor (OP 27)

No glare found

107 - OP Receptor (OP 28)

No glare found

107 - OP Receptor (OP 29)

No glare found

107 - OP Receptor (OP 30)

No glare found

107 - OP Receptor (OP 31)

No glare found

107 - OP Receptor (OP 32)

No glare found

107 - OP Receptor (OP 33)

No glare found

107 - OP Receptor (OP 34)

No glare found

107 - OP Receptor (OP 35)

No glare found

107 - OP Receptor (OP 36)

No glare found

107 - OP Receptor (OP 37)

No glare found

107 - OP Receptor (OP 38)

No glare found

107 - OP Receptor (OP 39)

No glare found

107 - OP Receptor (OP 40)

No glare found

107 - Route Receptor (Aiden Lane)

No glare found

107 - Route Receptor (Alcott Court Arden Court)

No glare found

107 - Route Receptor (Canton Road)

No glare found

107 - Route Receptor (Cecelia Road)

No glare found

107 - Route Receptor (Damson Trail)

No glare found

107 - Route Receptor (Goodman Lane)

No glare found

107 - Route Receptor (Hayden School Road)

No glare found

107 - Route Receptor (Hopewell Court Radford Court)

No glare found

107 - Route Receptor (Kitty Hawk Drive)

No glare found

107 - Route Receptor (St John Road)

No glare found

107 - Route Receptor (Thomas Cecelia road)

No glare found

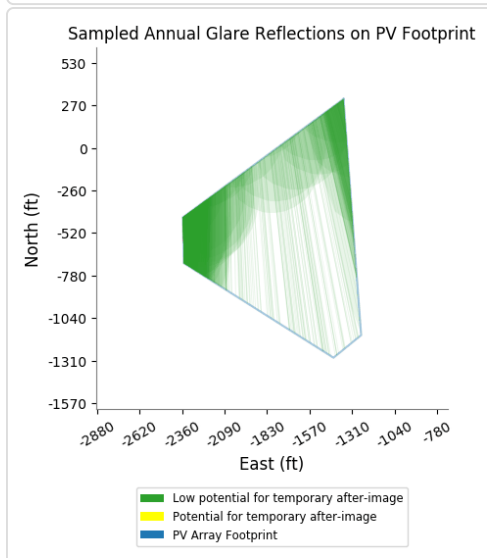
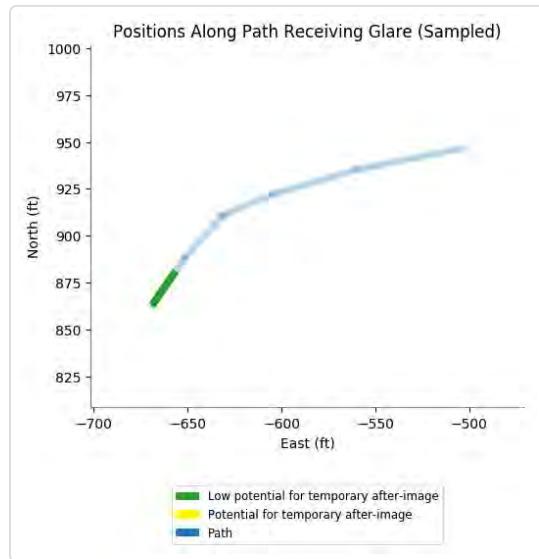
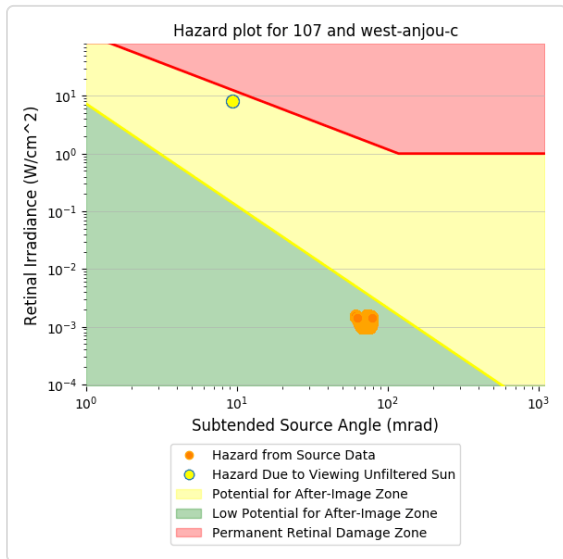
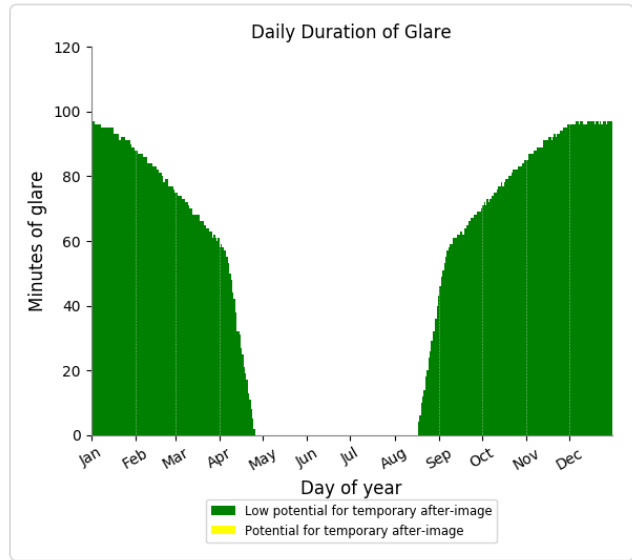
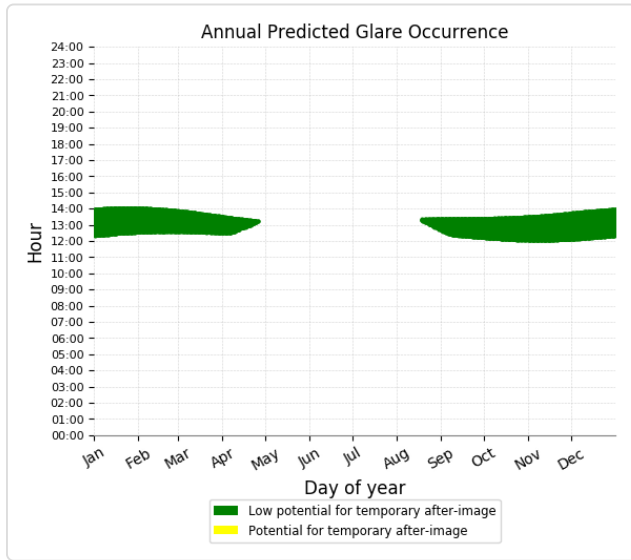
107 - Route Receptor (Thomas Road Braeburn Court)

No glare found

107 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 18,424 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	18898	0

108 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

108 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

108 - Receptor (Hornback Airstrip Northbound)

No glare found

108 - Receptor (Hornback Airstrip Southbound)

No glare found

108 - Receptor (Oz Airport NE Bound)

No glare found

108 - Receptor (Oz Airport SW Bound)

No glare found

108 - Receptor (Vine Grove Airport NW Bound)

No glare found

108 - Receptor (Vine Grove Airport SE Bound)

No glare found

108 - OP Receptor (OP 1)

No glare found

108 - OP Receptor (OP 2)

No glare found

108 - OP Receptor (OP 3)

No glare found

108 - OP Receptor (OP 4)

No glare found

108 - OP Receptor (OP 5)

No glare found

108 - OP Receptor (OP 6)

No glare found

108 - OP Receptor (OP 7)

No glare found

108 - OP Receptor (OP 8)

No glare found

108 - OP Receptor (OP 9)

No glare found

108 - OP Receptor (OP 10)

No glare found

108 - OP Receptor (OP 11)

No glare found

108 - OP Receptor (OP 12)

No glare found

108 - OP Receptor (OP 13)

No glare found

108 - OP Receptor (OP 14)

No glare found

108 - OP Receptor (OP 15)

No glare found

108 - OP Receptor (OP 16)

No glare found

108 - OP Receptor (OP 17)

No glare found

108 - OP Receptor (OP 18)

No glare found

108 - OP Receptor (OP 19)

No glare found

108 - OP Receptor (OP 20)

No glare found

108 - OP Receptor (OP 21)

No glare found

108 - OP Receptor (OP 22)

No glare found

108 - OP Receptor (OP 23)

No glare found

108 - OP Receptor (OP 24)

No glare found

108 - OP Receptor (OP 25)

No glare found

108 - OP Receptor (OP 26)

No glare found

108 - OP Receptor (OP 27)

No glare found

108 - OP Receptor (OP 28)

No glare found

108 - OP Receptor (OP 29)

No glare found

108 - OP Receptor (OP 30)

No glare found

108 - OP Receptor (OP 31)

No glare found

108 - OP Receptor (OP 32)

No glare found

108 - OP Receptor (OP 33)

No glare found

108 - OP Receptor (OP 34)

No glare found

108 - OP Receptor (OP 35)

No glare found

108 - OP Receptor (OP 36)

No glare found

108 - OP Receptor (OP 37)

No glare found

108 - OP Receptor (OP 38)

No glare found

108 - OP Receptor (OP 39)

No glare found

108 - OP Receptor (OP 40)

No glare found

108 - Route Receptor (Aiden Lane)

No glare found

108 - Route Receptor (Alcott Court Arden Court)

No glare found

108 - Route Receptor (Canton Road)

No glare found

108 - Route Receptor (Cecelia Road)

No glare found

108 - Route Receptor (Damson Trail)

No glare found

108 - Route Receptor (Goodman Lane)

No glare found

108 - Route Receptor (Hayden School Road)

No glare found

108 - Route Receptor (Hopewell Court Radford Court)

No glare found

108 - Route Receptor (Kitty Hawk Drive)

No glare found

108 - Route Receptor (St John Road)

No glare found

108 - Route Receptor (Thomas Cecelia road)

No glare found

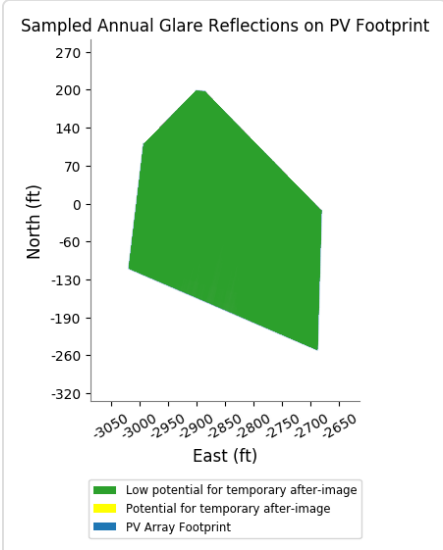
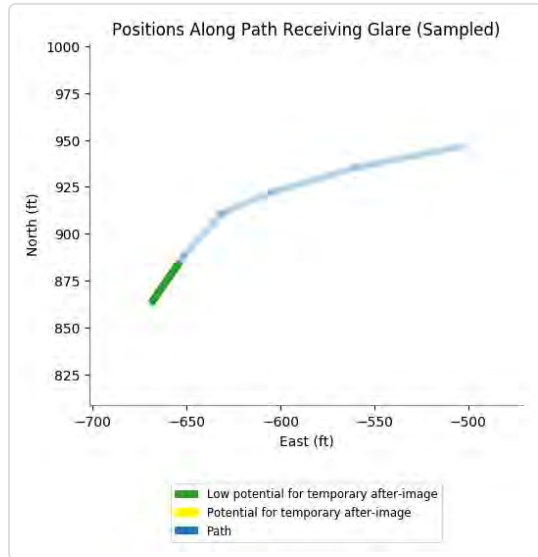
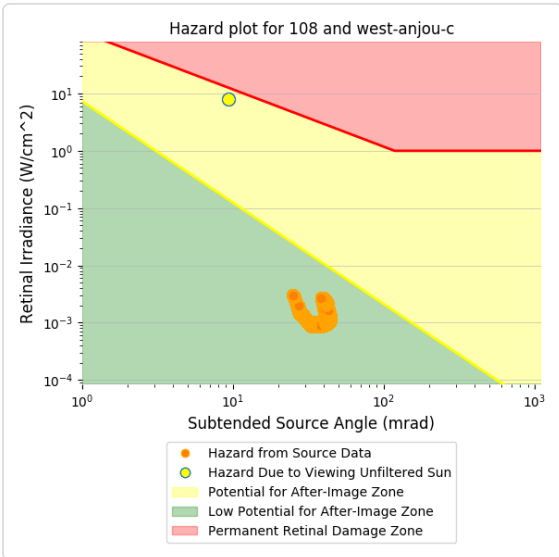
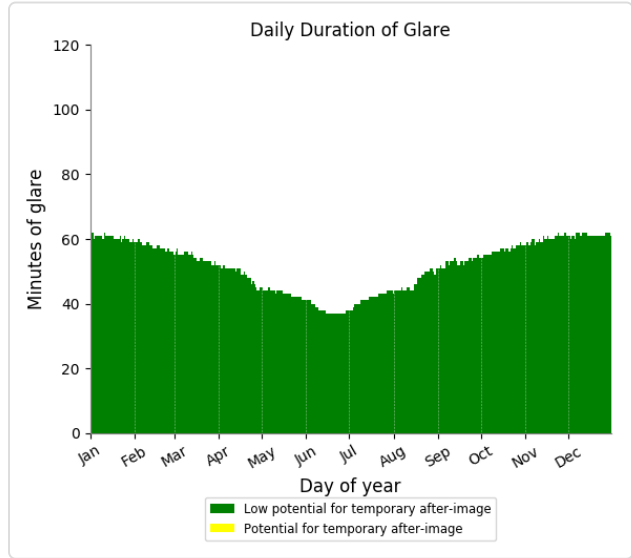
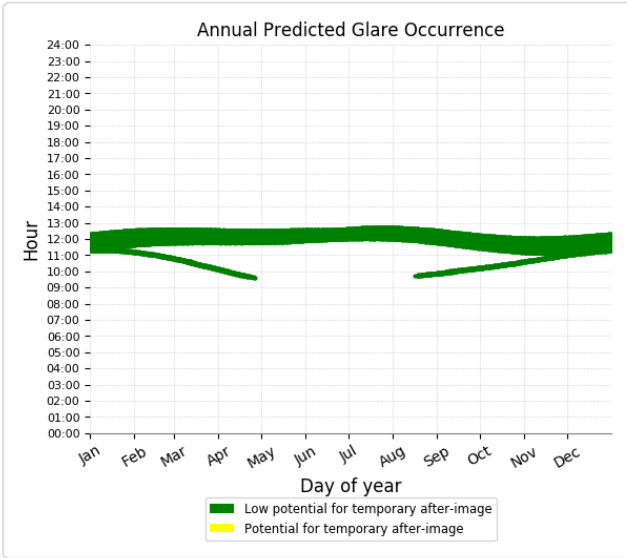
108 - Route Receptor (Thomas Road Braeburn Court)

No glare found

108 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 18,898 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	33461	0

109 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

109 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

109 - Receptor (Hornback Airstrip Northbound)

No glare found

109 - Receptor (Hornback Airstrip Southbound)

No glare found

109 - Receptor (Oz Airport NE Bound)

No glare found

109 - Receptor (Oz Airport SW Bound)

No glare found

109 - Receptor (Vine Grove Airport NW Bound)

No glare found

109 - Receptor (Vine Grove Airport SE Bound)

No glare found

109 - OP Receptor (OP 1)

No glare found

109 - OP Receptor (OP 2)

No glare found

109 - OP Receptor (OP 3)

No glare found

109 - OP Receptor (OP 4)

No glare found

109 - OP Receptor (OP 5)

No glare found

109 - OP Receptor (OP 6)

No glare found

109 - OP Receptor (OP 7)

No glare found

109 - OP Receptor (OP 8)

No glare found

109 - OP Receptor (OP 9)

No glare found

109 - OP Receptor (OP 10)

No glare found

109 - OP Receptor (OP 11)

No glare found

109 - OP Receptor (OP 12)

No glare found

109 - OP Receptor (OP 13)

No glare found

109 - OP Receptor (OP 14)

No glare found

109 - OP Receptor (OP 15)

No glare found

109 - OP Receptor (OP 16)

No glare found

109 - OP Receptor (OP 17)

No glare found

109 - OP Receptor (OP 18)

No glare found

109 - OP Receptor (OP 19)

No glare found

109 - OP Receptor (OP 20)

No glare found

109 - OP Receptor (OP 21)

No glare found

109 - OP Receptor (OP 22)

No glare found

109 - OP Receptor (OP 23)

No glare found

109 - OP Receptor (OP 24)

No glare found

109 - OP Receptor (OP 25)

No glare found

109 - OP Receptor (OP 26)

No glare found

109 - OP Receptor (OP 27)

No glare found

109 - OP Receptor (OP 28)

No glare found

109 - OP Receptor (OP 29)

No glare found

109 - OP Receptor (OP 30)

No glare found

109 - OP Receptor (OP 31)

No glare found

109 - OP Receptor (OP 32)

No glare found

109 - OP Receptor (OP 33)

No glare found

109 - OP Receptor (OP 34)

No glare found

109 - OP Receptor (OP 35)

No glare found

109 - OP Receptor (OP 36)

No glare found

109 - OP Receptor (OP 37)

No glare found

109 - OP Receptor (OP 38)

No glare found

109 - OP Receptor (OP 39)

No glare found

109 - OP Receptor (OP 40)

No glare found

109 - Route Receptor (Aiden Lane)

No glare found

109 - Route Receptor (Alcott Court Arden Court)

No glare found

109 - Route Receptor (Canton Road)

No glare found

109 - Route Receptor (Cecelia Road)

No glare found

109 - Route Receptor (Damson Trail)

No glare found

109 - Route Receptor (Goodman Lane)

No glare found

109 - Route Receptor (Hayden School Road)

No glare found

109 - Route Receptor (Hopewell Court Radford Court)

No glare found

109 - Route Receptor (Kitty Hawk Drive)

No glare found

109 - Route Receptor (St John Road)

No glare found

109 - Route Receptor (Thomas Cecelia road)

No glare found

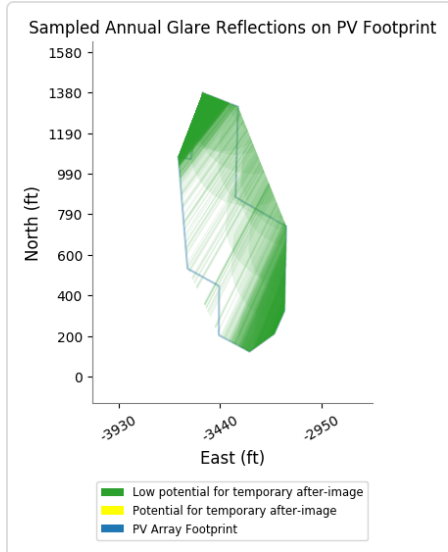
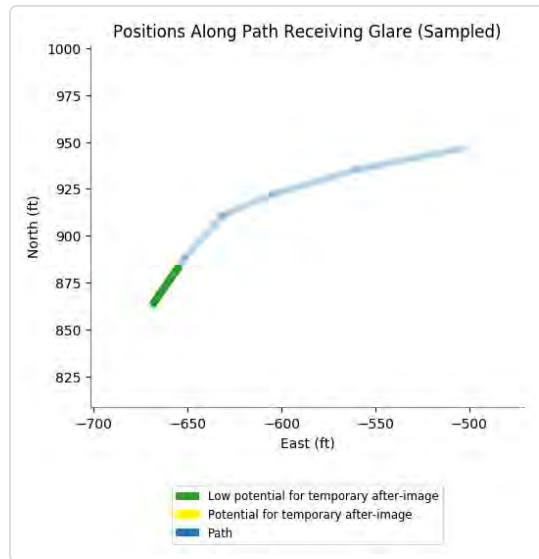
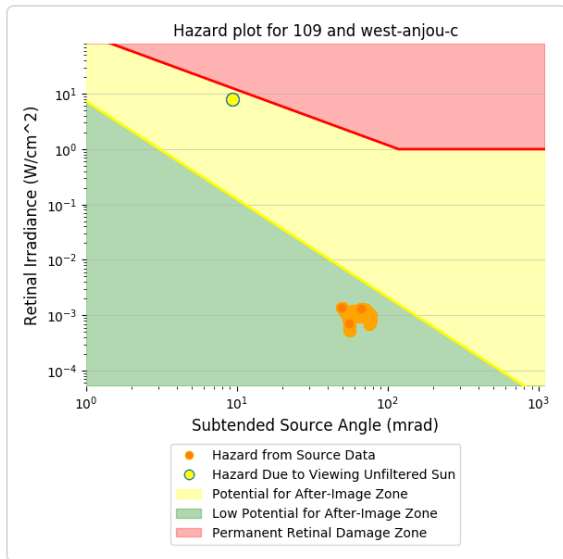
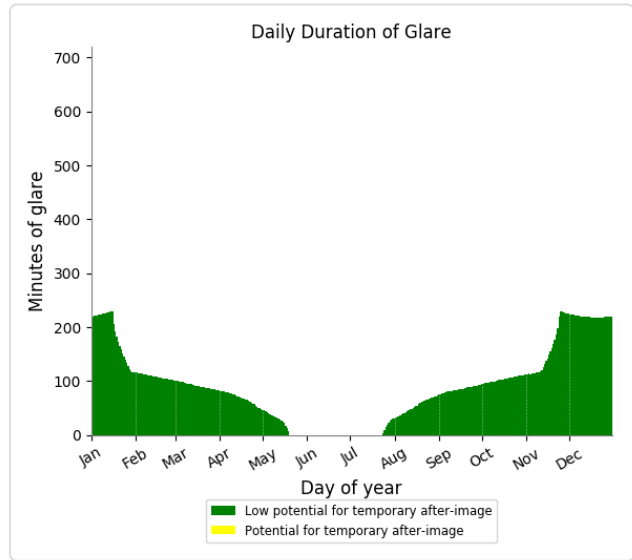
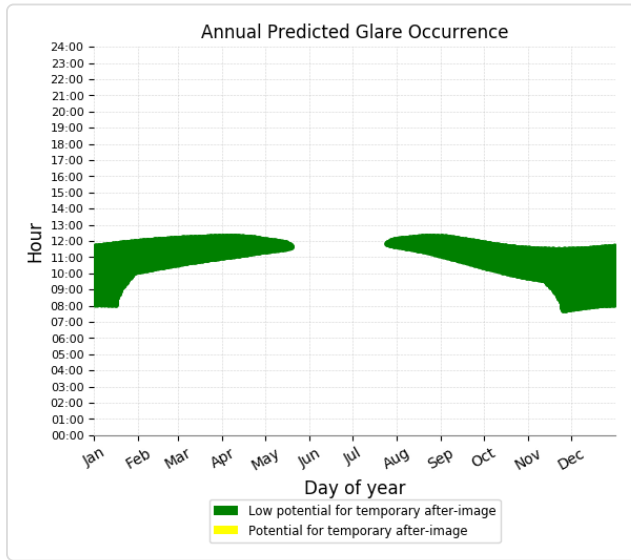
109 - Route Receptor (Thomas Road Braeburn Court)

No glare found

109 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 33,461 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



110 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	56029	0

110 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

110 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

110 - Receptor (Hornback Airstrip Northbound)

No glare found

110 - Receptor (Hornback Airstrip Southbound)

No glare found

110 - Receptor (Oz Airport NE Bound)

No glare found

110 - Receptor (Oz Airport SW Bound)

No glare found

110 - Receptor (Vine Grove Airport NW Bound)

No glare found

110 - Receptor (Vine Grove Airport SE Bound)

No glare found

110 - OP Receptor (OP 1)

No glare found

110 - OP Receptor (OP 2)

No glare found

110 - OP Receptor (OP 3)

No glare found

110 - OP Receptor (OP 4)

No glare found

110 - OP Receptor (OP 5)

No glare found

110 - OP Receptor (OP 6)

No glare found

110 - OP Receptor (OP 7)

No glare found

110 - OP Receptor (OP 8)

No glare found

110 - OP Receptor (OP 9)

No glare found

110 - OP Receptor (OP 10)

No glare found

110 - OP Receptor (OP 11)

No glare found

110 - OP Receptor (OP 12)

No glare found

110 - OP Receptor (OP 13)

No glare found

110 - OP Receptor (OP 14)

No glare found

110 - OP Receptor (OP 15)

No glare found

110 - OP Receptor (OP 16)

No glare found

110 - OP Receptor (OP 17)

No glare found

110 - OP Receptor (OP 18)

No glare found

110 - OP Receptor (OP 19)

No glare found

110 - OP Receptor (OP 20)

No glare found

110 - OP Receptor (OP 21)

No glare found

110 - OP Receptor (OP 22)

No glare found

110 - OP Receptor (OP 23)

No glare found

110 - OP Receptor (OP 24)

No glare found

110 - OP Receptor (OP 25)

No glare found

110 - OP Receptor (OP 26)

No glare found

110 - OP Receptor (OP 27)

No glare found

110 - OP Receptor (OP 28)

No glare found

110 - OP Receptor (OP 29)

No glare found

110 - OP Receptor (OP 30)

No glare found

110 - OP Receptor (OP 31)

No glare found

110 - OP Receptor (OP 32)

No glare found

110 - OP Receptor (OP 33)

No glare found

110 - OP Receptor (OP 34)

No glare found

110 - OP Receptor (OP 35)

No glare found

110 - OP Receptor (OP 36)

No glare found

110 - OP Receptor (OP 37)

No glare found

110 - OP Receptor (OP 38)

No glare found

110 - OP Receptor (OP 39)

No glare found

110 - OP Receptor (OP 40)

No glare found

110 - Route Receptor (Aiden Lane)

No glare found

110 - Route Receptor (Alcott Court Arden Court)

No glare found

110 - Route Receptor (Canton Road)

No glare found

110 - Route Receptor (Cecelia Road)

No glare found

110 - Route Receptor (Damson Trail)

No glare found

110 - Route Receptor (Goodman Lane)

No glare found

110 - Route Receptor (Hayden School Road)

No glare found

110 - Route Receptor (Hopewell Court Radford Court)

No glare found

110 - Route Receptor (Kitty Hawk Drive)

No glare found

110 - Route Receptor (St John Road)

No glare found

110 - Route Receptor (Thomas Cecelia road)

No glare found

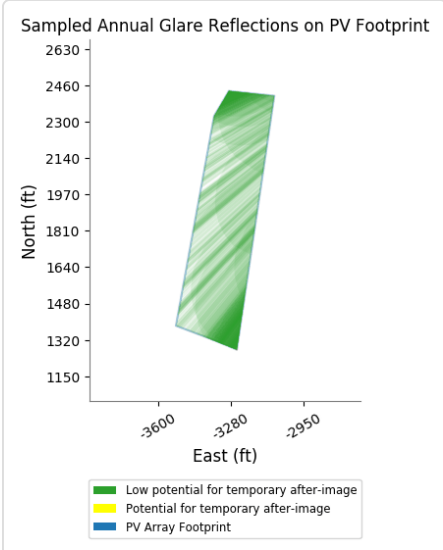
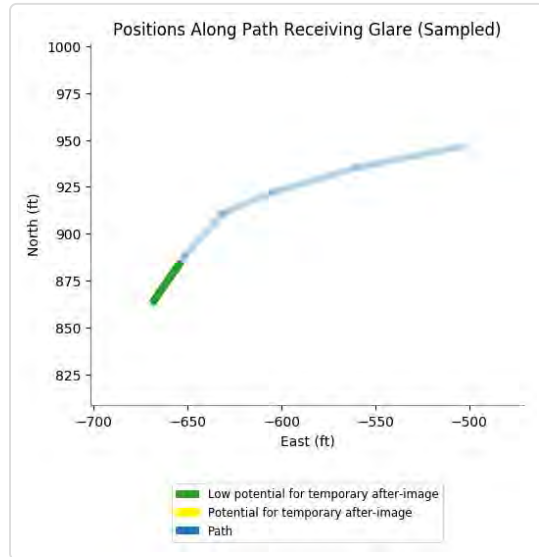
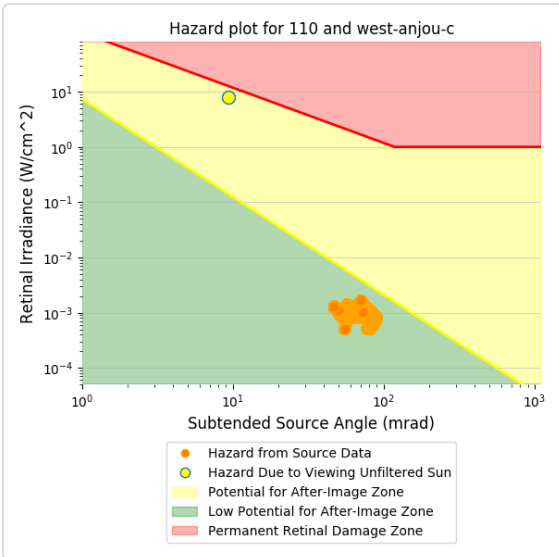
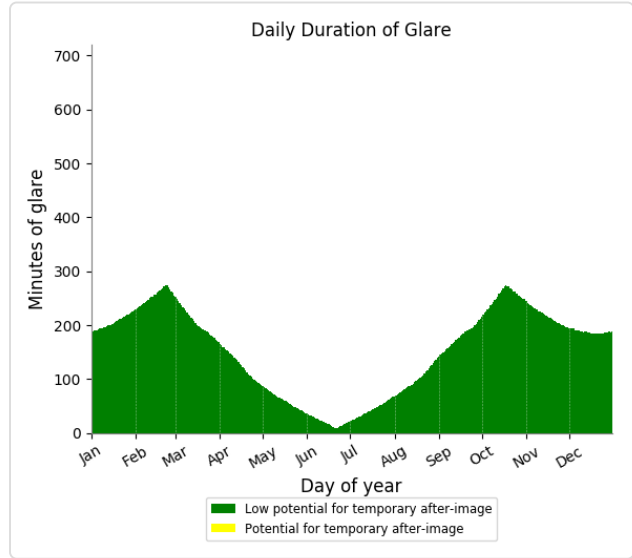
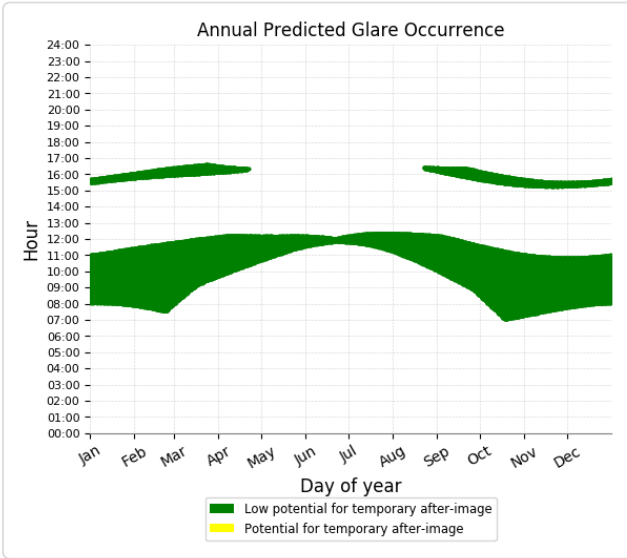
110 - Route Receptor (Thomas Road Braeburn Court)

No glare found

110 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 56,029 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	18870	0

111 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

111 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

111 - Receptor (Hornback Airstrip Northbound)

No glare found

111 - Receptor (Hornback Airstrip Southbound)

No glare found

111 - Receptor (Oz Airport NE Bound)

No glare found

111 - Receptor (Oz Airport SW Bound)

No glare found

111 - Receptor (Vine Grove Airport NW Bound)

No glare found

111 - Receptor (Vine Grove Airport SE Bound)

No glare found

111 - OP Receptor (OP 1)

No glare found

111 - OP Receptor (OP 2)

No glare found

111 - OP Receptor (OP 3)

No glare found

111 - OP Receptor (OP 4)

No glare found

111 - OP Receptor (OP 5)

No glare found

111 - OP Receptor (OP 6)

No glare found

111 - OP Receptor (OP 7)

No glare found

111 - OP Receptor (OP 8)

No glare found

111 - OP Receptor (OP 9)

No glare found

111 - OP Receptor (OP 10)

No glare found

111 - OP Receptor (OP 11)

No glare found

111 - OP Receptor (OP 12)

No glare found

111 - OP Receptor (OP 13)

No glare found

111 - OP Receptor (OP 14)

No glare found

111 - OP Receptor (OP 15)

No glare found

111 - OP Receptor (OP 16)

No glare found

111 - OP Receptor (OP 17)

No glare found

111 - OP Receptor (OP 18)

No glare found

111 - OP Receptor (OP 19)

No glare found

111 - OP Receptor (OP 20)

No glare found

111 - OP Receptor (OP 21)

No glare found

111 - OP Receptor (OP 22)

No glare found

111 - OP Receptor (OP 23)

No glare found

111 - OP Receptor (OP 24)

No glare found

111 - OP Receptor (OP 25)

No glare found

111 - OP Receptor (OP 26)

No glare found

111 - OP Receptor (OP 27)

No glare found

111 - OP Receptor (OP 28)

No glare found

111 - OP Receptor (OP 29)

No glare found

111 - OP Receptor (OP 30)

No glare found

111 - OP Receptor (OP 31)

No glare found

111 - OP Receptor (OP 32)

No glare found

111 - OP Receptor (OP 33)

No glare found

111 - OP Receptor (OP 34)

No glare found

111 - OP Receptor (OP 35)

No glare found

111 - OP Receptor (OP 36)

No glare found

111 - OP Receptor (OP 37)

No glare found

111 - OP Receptor (OP 38)

No glare found

111 - OP Receptor (OP 39)

No glare found

111 - OP Receptor (OP 40)

No glare found

111 - Route Receptor (Aiden Lane)

No glare found

111 - Route Receptor (Alcott Court Arden Court)

No glare found

111 - Route Receptor (Canton Road)

No glare found

111 - Route Receptor (Cecelia Road)

No glare found

111 - Route Receptor (Damson Trail)

No glare found

111 - Route Receptor (Goodman Lane)

No glare found

111 - Route Receptor (Hayden School Road)

No glare found

111 - Route Receptor (Hopewell Court Radford Court)

No glare found

111 - Route Receptor (Kitty Hawk Drive)

No glare found

111 - Route Receptor (St John Road)

No glare found

111 - Route Receptor (Thomas Cecelia road)

No glare found

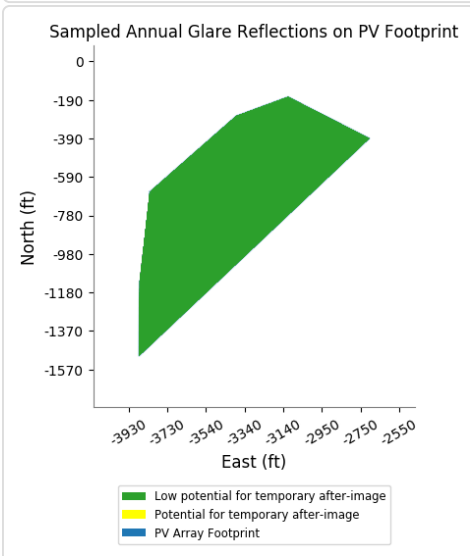
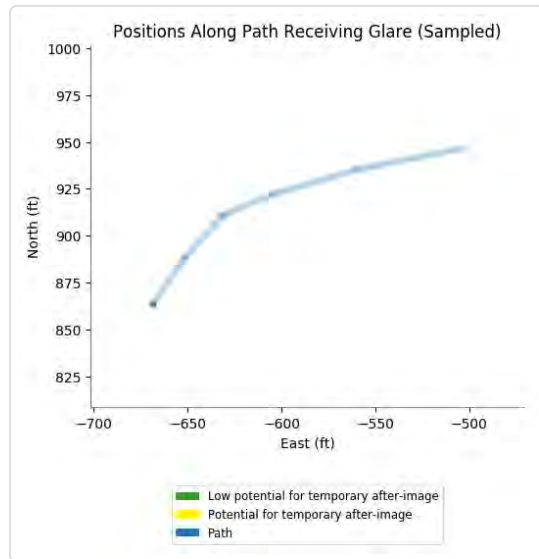
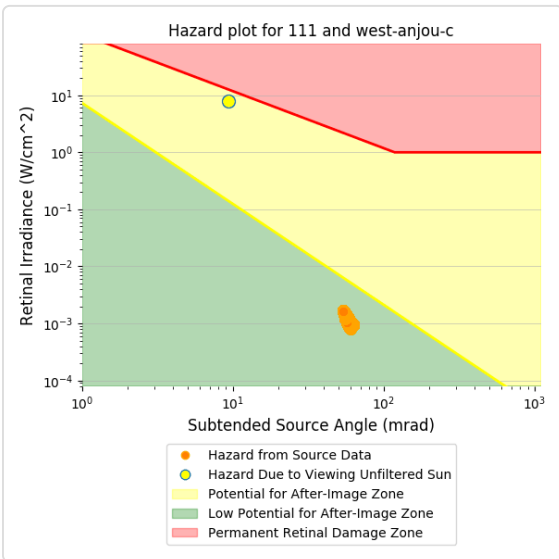
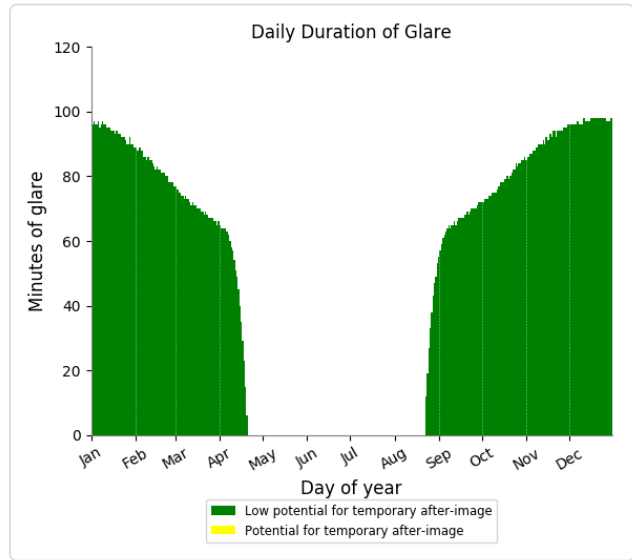
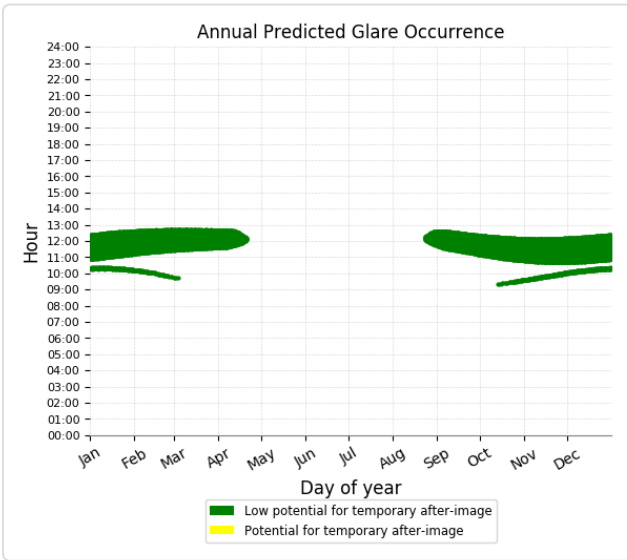
111 - Route Receptor (Thomas Road Braeburn Court)

No glare found

111 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 18,870 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	17224	0

112 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

112 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

112 - Receptor (Hornback Airstrip Northbound)

No glare found

112 - Receptor (Hornback Airstrip Southbound)

No glare found

112 - Receptor (Oz Airport NE Bound)

No glare found

112 - Receptor (Oz Airport SW Bound)

No glare found

112 - Receptor (Vine Grove Airport NW Bound)

No glare found

112 - Receptor (Vine Grove Airport SE Bound)

No glare found

112 - OP Receptor (OP 1)

No glare found

112 - OP Receptor (OP 2)

No glare found

112 - OP Receptor (OP 3)

No glare found

112 - OP Receptor (OP 4)

No glare found

112 - OP Receptor (OP 5)

No glare found

112 - OP Receptor (OP 6)

No glare found

112 - OP Receptor (OP 7)

No glare found

112 - OP Receptor (OP 8)

No glare found

112 - OP Receptor (OP 9)

No glare found

112 - OP Receptor (OP 10)

No glare found

112 - OP Receptor (OP 11)

No glare found

112 - OP Receptor (OP 12)

No glare found

112 - OP Receptor (OP 13)

No glare found

112 - OP Receptor (OP 14)

No glare found

112 - OP Receptor (OP 15)

No glare found

112 - OP Receptor (OP 16)

No glare found

112 - OP Receptor (OP 17)

No glare found

112 - OP Receptor (OP 18)

No glare found

112 - OP Receptor (OP 19)

No glare found

112 - OP Receptor (OP 20)

No glare found

112 - OP Receptor (OP 21)

No glare found

112 - OP Receptor (OP 22)

No glare found

112 - OP Receptor (OP 23)

No glare found

112 - OP Receptor (OP 24)

No glare found

112 - OP Receptor (OP 25)

No glare found

112 - OP Receptor (OP 26)

No glare found

112 - OP Receptor (OP 27)

No glare found

112 - OP Receptor (OP 28)

No glare found

112 - OP Receptor (OP 29)

No glare found

112 - OP Receptor (OP 30)

No glare found

112 - OP Receptor (OP 31)

No glare found

112 - OP Receptor (OP 32)

No glare found

112 - OP Receptor (OP 33)

No glare found

112 - OP Receptor (OP 34)

No glare found

112 - OP Receptor (OP 35)

No glare found

112 - OP Receptor (OP 36)

No glare found

112 - OP Receptor (OP 37)

No glare found

112 - OP Receptor (OP 38)

No glare found

112 - OP Receptor (OP 39)

No glare found

112 - OP Receptor (OP 40)

No glare found

112 - Route Receptor (Aiden Lane)

No glare found

112 - Route Receptor (Alcott Court Arden Court)

No glare found

112 - Route Receptor (Canton Road)

No glare found

112 - Route Receptor (Cecelia Road)

No glare found

112 - Route Receptor (Damson Trail)

No glare found

112 - Route Receptor (Goodman Lane)

No glare found

112 - Route Receptor (Hayden School Road)

No glare found

112 - Route Receptor (Hopewell Court Radford Court)

No glare found

112 - Route Receptor (Kitty Hawk Drive)

No glare found

112 - Route Receptor (St John Road)

No glare found

112 - Route Receptor (Thomas Cecelia road)

No glare found

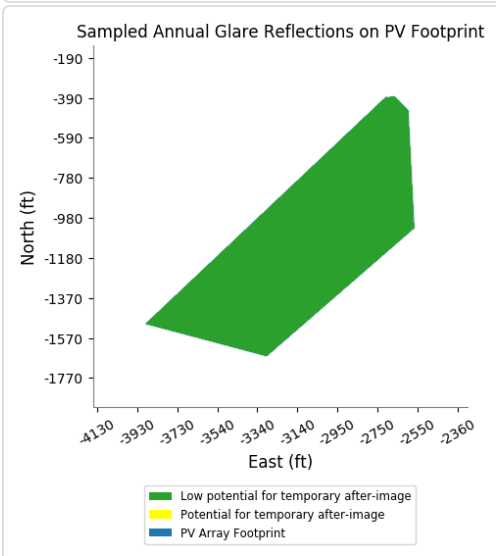
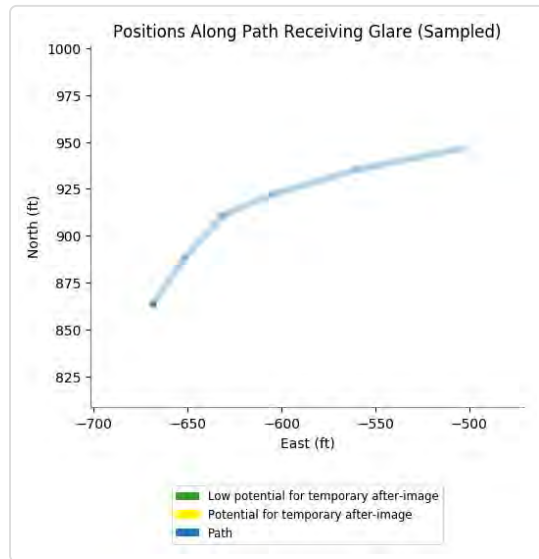
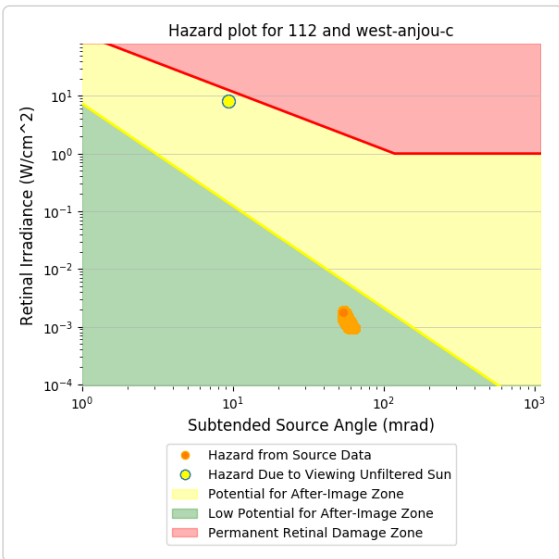
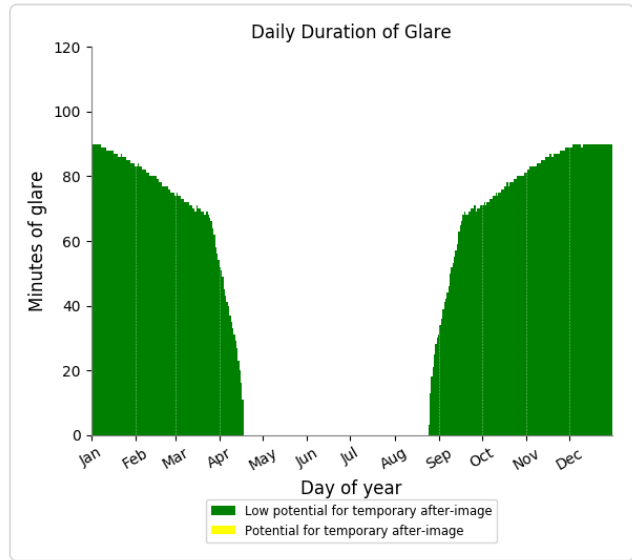
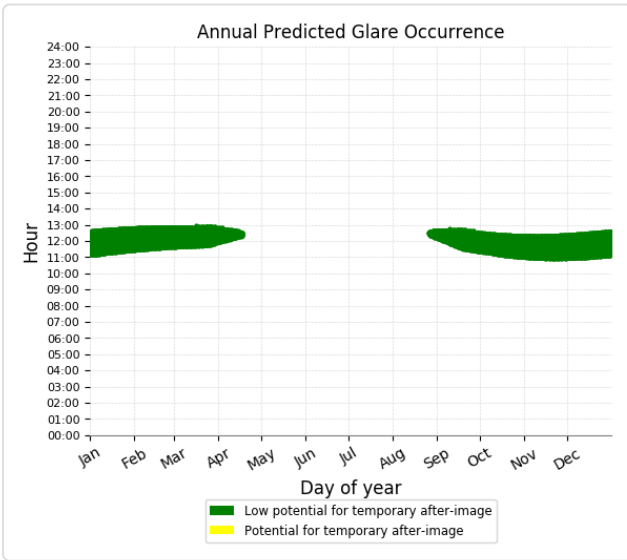
112 - Route Receptor (Thomas Road Braeburn Court)

No glare found

112 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 17,224 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



113 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	21205	0

113 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

113 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

113 - Receptor (Hornback Airstrip Northbound)

No glare found

113 - Receptor (Hornback Airstrip Southbound)

No glare found

113 - Receptor (Oz Airport NE Bound)

No glare found

113 - Receptor (Oz Airport SW Bound)

No glare found

113 - Receptor (Vine Grove Airport NW Bound)

No glare found

113 - Receptor (Vine Grove Airport SE Bound)

No glare found

113 - OP Receptor (OP 1)

No glare found

113 - OP Receptor (OP 2)

No glare found

113 - OP Receptor (OP 3)

No glare found

113 - OP Receptor (OP 4)

No glare found

113 - OP Receptor (OP 5)

No glare found

113 - OP Receptor (OP 6)

No glare found

113 - OP Receptor (OP 7)

No glare found

113 - OP Receptor (OP 8)

No glare found

113 - OP Receptor (OP 9)

No glare found

113 - OP Receptor (OP 10)

No glare found

113 - OP Receptor (OP 11)

No glare found

113 - OP Receptor (OP 12)

No glare found

113 - OP Receptor (OP 13)

No glare found

113 - OP Receptor (OP 14)

No glare found

113 - OP Receptor (OP 15)

No glare found

113 - OP Receptor (OP 16)

No glare found

113 - OP Receptor (OP 17)

No glare found

113 - OP Receptor (OP 18)

No glare found

113 - OP Receptor (OP 19)

No glare found

113 - OP Receptor (OP 20)

No glare found

113 - OP Receptor (OP 21)

No glare found

113 - OP Receptor (OP 22)

No glare found

113 - OP Receptor (OP 23)

No glare found

113 - OP Receptor (OP 24)

No glare found

113 - OP Receptor (OP 25)

No glare found

113 - OP Receptor (OP 26)

No glare found

113 - OP Receptor (OP 27)

No glare found

113 - OP Receptor (OP 28)

No glare found

113 - OP Receptor (OP 29)

No glare found

113 - OP Receptor (OP 30)

No glare found

113 - OP Receptor (OP 31)

No glare found

113 - OP Receptor (OP 32)

No glare found

113 - OP Receptor (OP 33)

No glare found

113 - OP Receptor (OP 34)

No glare found

113 - OP Receptor (OP 35)

No glare found

113 - OP Receptor (OP 36)

No glare found

113 - OP Receptor (OP 37)

No glare found

113 - OP Receptor (OP 38)

No glare found

113 - OP Receptor (OP 39)

No glare found

113 - OP Receptor (OP 40)

No glare found

113 - Route Receptor (Aiden Lane)

No glare found

113 - Route Receptor (Alcott Court Arden Court)

No glare found

113 - Route Receptor (Canton Road)

No glare found

113 - Route Receptor (Cecelia Road)

No glare found

113 - Route Receptor (Damson Trail)

No glare found

113 - Route Receptor (Goodman Lane)

No glare found

113 - Route Receptor (Hayden School Road)

No glare found

113 - Route Receptor (Hopewell Court Radford Court)

No glare found

113 - Route Receptor (Kitty Hawk Drive)

No glare found

113 - Route Receptor (St John Road)

No glare found

113 - Route Receptor (Thomas Cecelia road)

No glare found

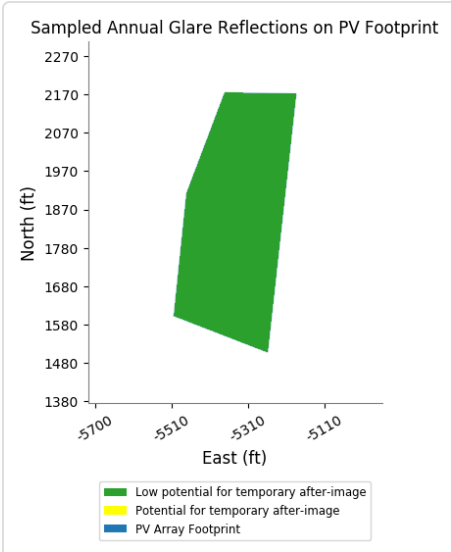
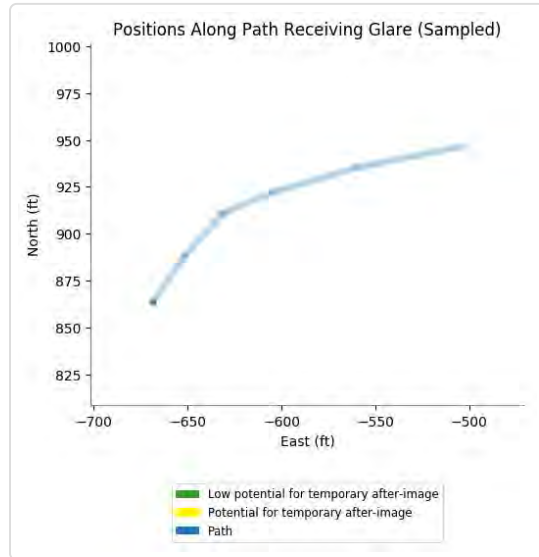
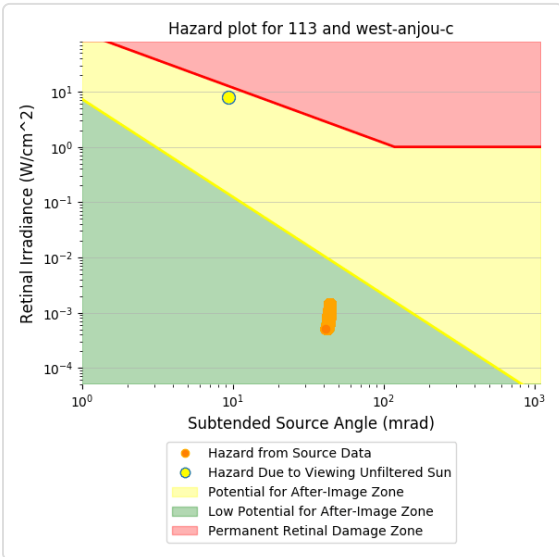
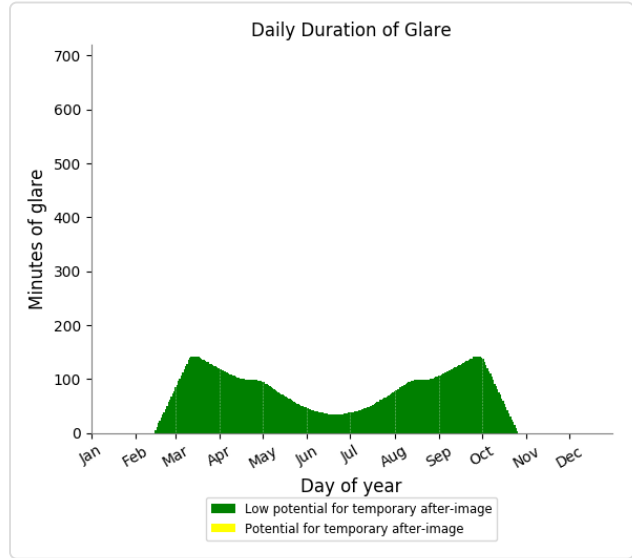
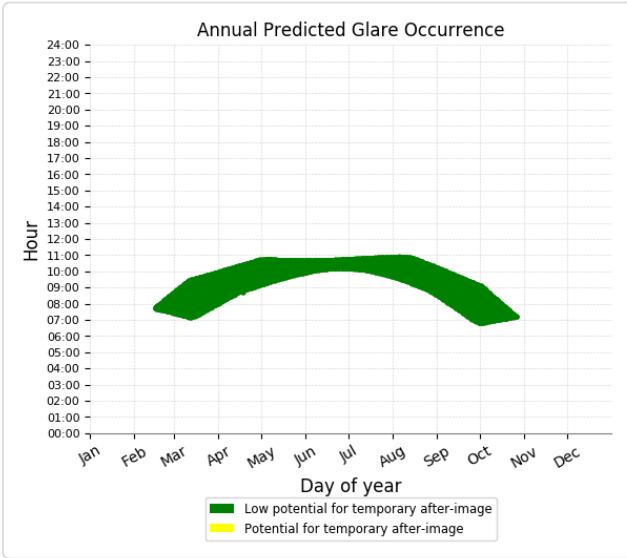
113 - Route Receptor (Thomas Road Braeburn Court)

No glare found

113 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 21,205 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	20416	0

114 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

114 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

114 - Receptor (Hornback Airstrip Northbound)

No glare found

114 - Receptor (Hornback Airstrip Southbound)

No glare found

114 - Receptor (Oz Airport NE Bound)

No glare found

114 - Receptor (Oz Airport SW Bound)

No glare found

114 - Receptor (Vine Grove Airport NW Bound)

No glare found

114 - Receptor (Vine Grove Airport SE Bound)

No glare found

114 - OP Receptor (OP 1)

No glare found

114 - OP Receptor (OP 2)

No glare found

114 - OP Receptor (OP 3)

No glare found

114 - OP Receptor (OP 4)

No glare found

114 - OP Receptor (OP 5)

No glare found

114 - OP Receptor (OP 6)

No glare found

114 - OP Receptor (OP 7)

No glare found

114 - OP Receptor (OP 8)

No glare found

114 - OP Receptor (OP 9)

No glare found

114 - OP Receptor (OP 10)

No glare found

114 - OP Receptor (OP 11)

No glare found

114 - OP Receptor (OP 12)

No glare found

114 - OP Receptor (OP 13)

No glare found

114 - OP Receptor (OP 14)

No glare found

114 - OP Receptor (OP 15)

No glare found

114 - OP Receptor (OP 16)

No glare found

114 - OP Receptor (OP 17)

No glare found

114 - OP Receptor (OP 18)

No glare found

114 - OP Receptor (OP 19)

No glare found

114 - OP Receptor (OP 20)

No glare found

114 - OP Receptor (OP 21)

No glare found

114 - OP Receptor (OP 22)

No glare found

114 - OP Receptor (OP 23)

No glare found

114 - OP Receptor (OP 24)

No glare found

114 - OP Receptor (OP 25)

No glare found

114 - OP Receptor (OP 26)

No glare found

114 - OP Receptor (OP 27)

No glare found

114 - OP Receptor (OP 28)

No glare found

114 - OP Receptor (OP 29)

No glare found

114 - OP Receptor (OP 30)

No glare found

114 - OP Receptor (OP 31)

No glare found

114 - OP Receptor (OP 32)

No glare found

114 - OP Receptor (OP 33)

No glare found

114 - OP Receptor (OP 34)

No glare found

114 - OP Receptor (OP 35)

No glare found

114 - OP Receptor (OP 36)

No glare found

114 - OP Receptor (OP 37)

No glare found

114 - OP Receptor (OP 38)

No glare found

114 - OP Receptor (OP 39)

No glare found

114 - OP Receptor (OP 40)

No glare found

114 - Route Receptor (Aiden Lane)

No glare found

114 - Route Receptor (Alcott Court Arden Court)

No glare found

114 - Route Receptor (Canton Road)

No glare found

114 - Route Receptor (Cecelia Road)

No glare found

114 - Route Receptor (Damson Trail)

No glare found

114 - Route Receptor (Goodman Lane)

No glare found

114 - Route Receptor (Hayden School Road)

No glare found

114 - Route Receptor (Hopewell Court Radford Court)

No glare found

114 - Route Receptor (Kitty Hawk Drive)

No glare found

114 - Route Receptor (St John Road)

No glare found

114 - Route Receptor (Thomas Cecelia road)

No glare found

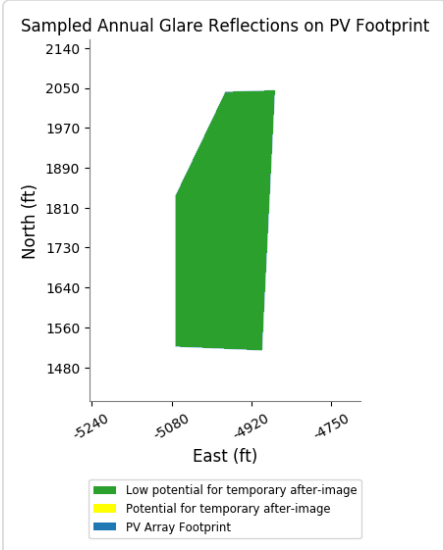
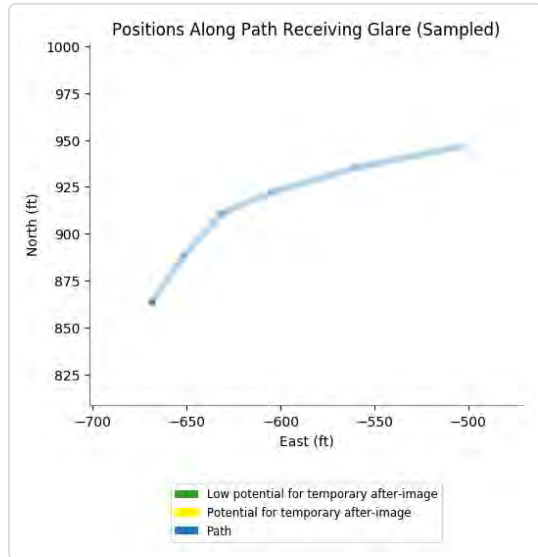
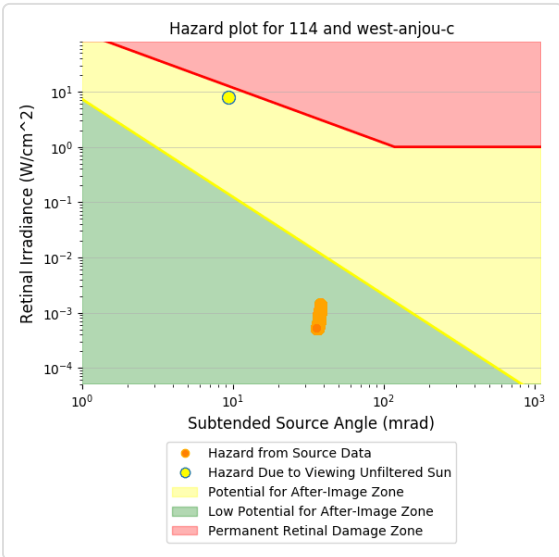
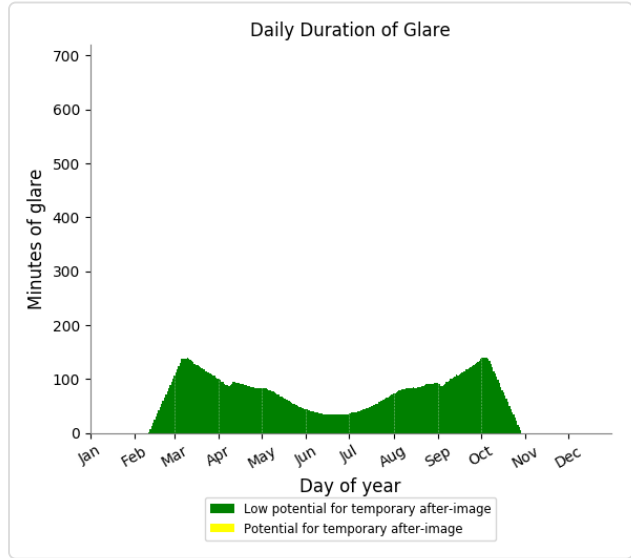
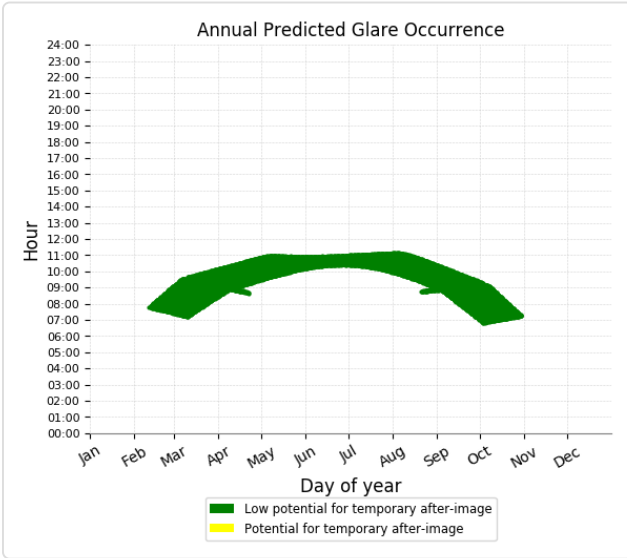
114 - Route Receptor (Thomas Road Braeburn Court)

No glare found

114 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 20,416 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	26925	0

115 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

115 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

115 - Receptor (Hornback Airstrip Northbound)

No glare found

115 - Receptor (Hornback Airstrip Southbound)

No glare found

115 - Receptor (Oz Airport NE Bound)

No glare found

115 - Receptor (Oz Airport SW Bound)

No glare found

115 - Receptor (Vine Grove Airport NW Bound)

No glare found

115 - Receptor (Vine Grove Airport SE Bound)

No glare found

115 - OP Receptor (OP 1)

No glare found

115 - OP Receptor (OP 2)

No glare found

115 - OP Receptor (OP 3)

No glare found

115 - OP Receptor (OP 4)

No glare found

115 - OP Receptor (OP 5)

No glare found

115 - OP Receptor (OP 6)

No glare found

115 - OP Receptor (OP 7)

No glare found

115 - OP Receptor (OP 8)

No glare found

115 - OP Receptor (OP 9)

No glare found

115 - OP Receptor (OP 10)

No glare found

115 - OP Receptor (OP 11)

No glare found

115 - OP Receptor (OP 12)

No glare found

115 - OP Receptor (OP 13)

No glare found

115 - OP Receptor (OP 14)

No glare found

115 - OP Receptor (OP 15)

No glare found

115 - OP Receptor (OP 16)

No glare found

115 - OP Receptor (OP 17)

No glare found

115 - OP Receptor (OP 18)

No glare found

115 - OP Receptor (OP 19)

No glare found

115 - OP Receptor (OP 20)

No glare found

115 - OP Receptor (OP 21)

No glare found

115 - OP Receptor (OP 22)

No glare found

115 - OP Receptor (OP 23)

No glare found

115 - OP Receptor (OP 24)

No glare found

115 - OP Receptor (OP 25)

No glare found

115 - OP Receptor (OP 26)

No glare found

115 - OP Receptor (OP 27)

No glare found

115 - OP Receptor (OP 28)

No glare found

115 - OP Receptor (OP 29)

No glare found

115 - OP Receptor (OP 30)

No glare found

115 - OP Receptor (OP 31)

No glare found

115 - OP Receptor (OP 32)

No glare found

115 - OP Receptor (OP 33)

No glare found

115 - OP Receptor (OP 34)

No glare found

115 - OP Receptor (OP 35)

No glare found

115 - OP Receptor (OP 36)

No glare found

115 - OP Receptor (OP 37)

No glare found

115 - OP Receptor (OP 38)

No glare found

115 - OP Receptor (OP 39)

No glare found

115 - OP Receptor (OP 40)

No glare found

115 - Route Receptor (Aiden Lane)

No glare found

115 - Route Receptor (Alcott Court Arden Court)

No glare found

115 - Route Receptor (Canton Road)

No glare found

115 - Route Receptor (Cecelia Road)

No glare found

115 - Route Receptor (Damson Trail)

No glare found

115 - Route Receptor (Goodman Lane)

No glare found

115 - Route Receptor (Hayden School Road)

No glare found

115 - Route Receptor (Hopewell Court Radford Court)

No glare found

115 - Route Receptor (Kitty Hawk Drive)

No glare found

115 - Route Receptor (St John Road)

No glare found

115 - Route Receptor (Thomas Cecelia road)

No glare found

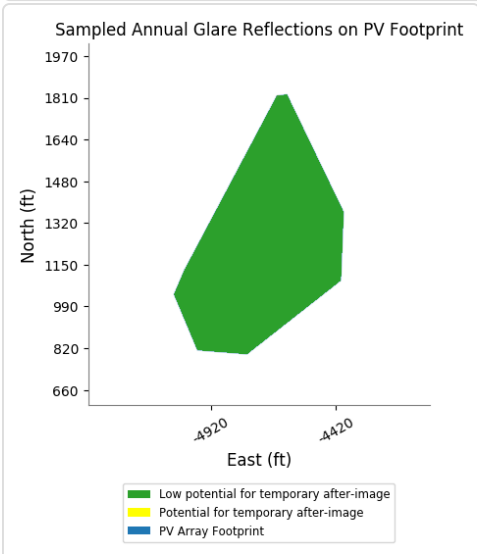
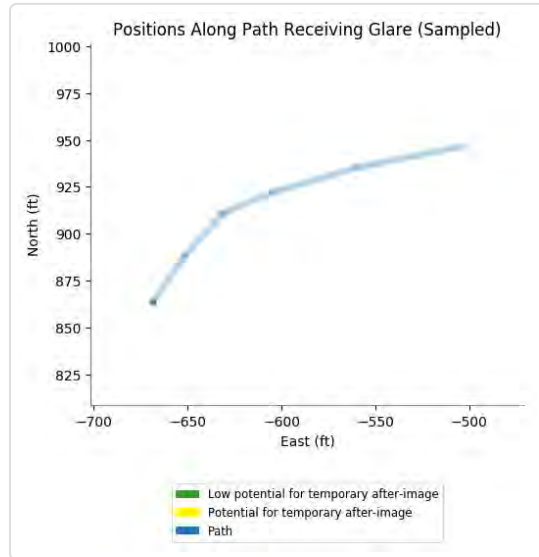
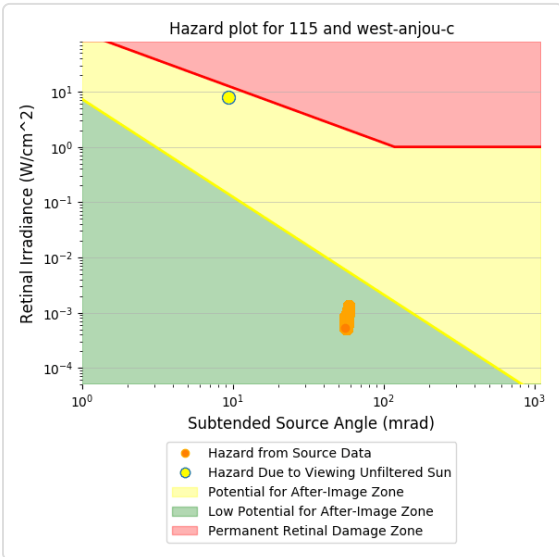
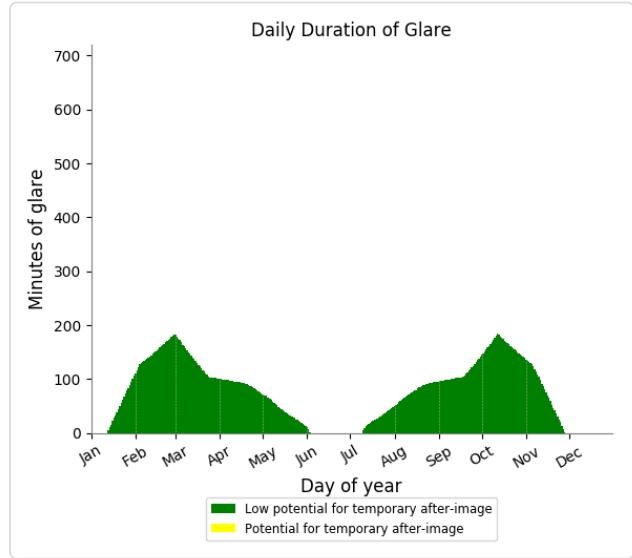
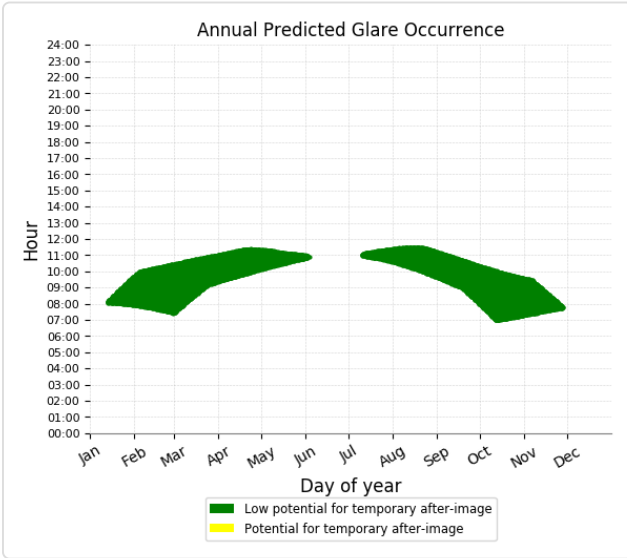
115 - Route Receptor (Thomas Road Braeburn Court)

No glare found

115 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 26,925 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
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OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	39244	0

116 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

116 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

116 - Receptor (Hornback Airstrip Northbound)

No glare found

116 - Receptor (Hornback Airstrip Southbound)

No glare found

116 - Receptor (Oz Airport NE Bound)

No glare found

116 - Receptor (Oz Airport SW Bound)

No glare found

116 - Receptor (Vine Grove Airport NW Bound)

No glare found

116 - Receptor (Vine Grove Airport SE Bound)

No glare found

116 - OP Receptor (OP 1)

No glare found

116 - OP Receptor (OP 2)

No glare found

116 - OP Receptor (OP 3)

No glare found

116 - OP Receptor (OP 4)

No glare found

116 - OP Receptor (OP 5)

No glare found

116 - OP Receptor (OP 6)

No glare found

116 - OP Receptor (OP 7)

No glare found

116 - OP Receptor (OP 8)

No glare found

116 - OP Receptor (OP 9)

No glare found

116 - OP Receptor (OP 10)

No glare found

116 - OP Receptor (OP 11)

No glare found

116 - OP Receptor (OP 12)

No glare found

116 - OP Receptor (OP 13)

No glare found

116 - OP Receptor (OP 14)

No glare found

116 - OP Receptor (OP 15)

No glare found

116 - OP Receptor (OP 16)

No glare found

116 - OP Receptor (OP 17)

No glare found

116 - OP Receptor (OP 18)

No glare found

116 - OP Receptor (OP 19)

No glare found

116 - OP Receptor (OP 20)

No glare found

116 - OP Receptor (OP 21)

No glare found

116 - OP Receptor (OP 22)

No glare found

116 - OP Receptor (OP 23)

No glare found

116 - OP Receptor (OP 24)

No glare found

116 - OP Receptor (OP 25)

No glare found

116 - OP Receptor (OP 26)

No glare found

116 - OP Receptor (OP 27)

No glare found

116 - OP Receptor (OP 28)

No glare found

116 - OP Receptor (OP 29)

No glare found

116 - OP Receptor (OP 30)

No glare found

116 - OP Receptor (OP 31)

No glare found

116 - OP Receptor (OP 32)

No glare found

116 - OP Receptor (OP 33)

No glare found

116 - OP Receptor (OP 34)

No glare found

116 - OP Receptor (OP 35)

No glare found

116 - OP Receptor (OP 36)

No glare found

116 - OP Receptor (OP 37)

No glare found

116 - OP Receptor (OP 38)

No glare found

116 - OP Receptor (OP 39)

No glare found

116 - OP Receptor (OP 40)

No glare found

116 - Route Receptor (Aiden Lane)

No glare found

116 - Route Receptor (Alcott Court Arden Court)

No glare found

116 - Route Receptor (Canton Road)

No glare found

116 - Route Receptor (Cecelia Road)

No glare found

116 - Route Receptor (Damson Trail)

No glare found

116 - Route Receptor (Goodman Lane)

No glare found

116 - Route Receptor (Hayden School Road)

No glare found

116 - Route Receptor (Hopewell Court Radford Court)

No glare found

116 - Route Receptor (Kitty Hawk Drive)

No glare found

116 - Route Receptor (St John Road)

No glare found

116 - Route Receptor (Thomas Cecelia road)

No glare found

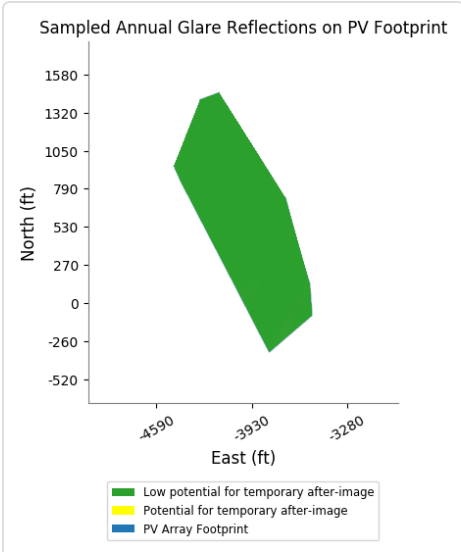
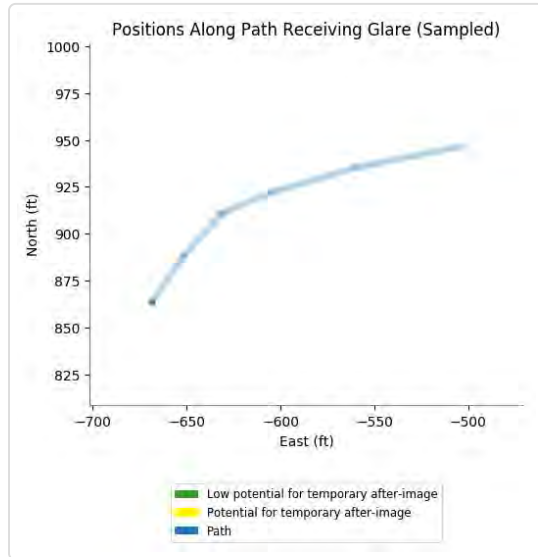
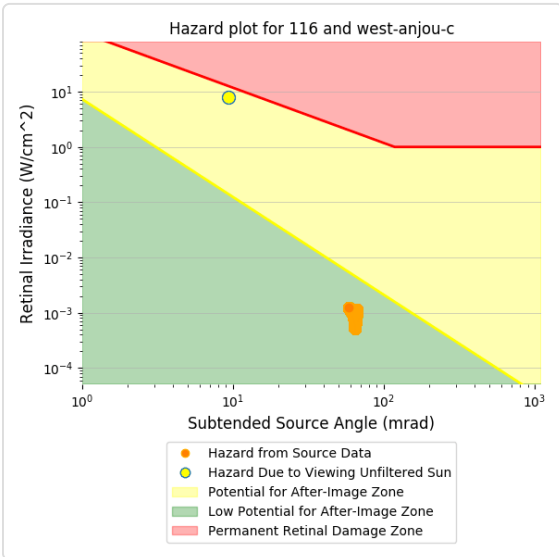
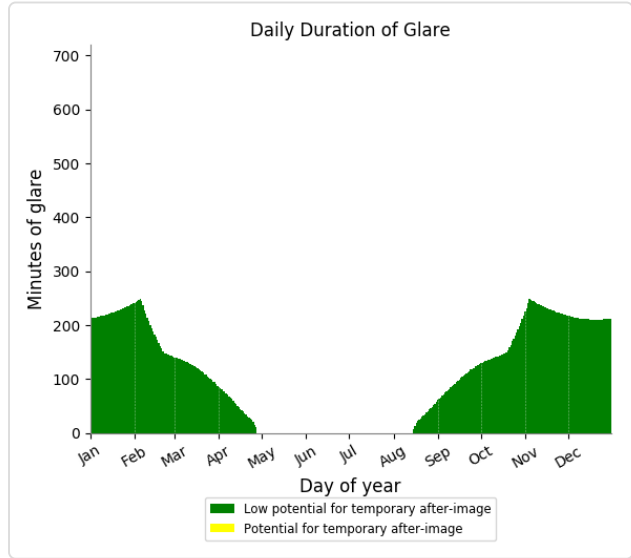
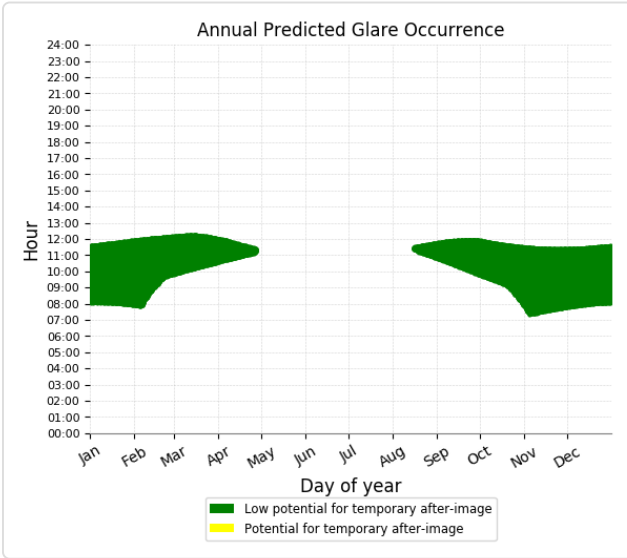
116 - Route Receptor (Thomas Road Braeburn Court)

No glare found

116 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 39,244 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	38116	0

117 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

117 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

117 - Receptor (Hornback Airstrip Northbound)

No glare found

117 - Receptor (Hornback Airstrip Southbound)

No glare found

117 - Receptor (Oz Airport NE Bound)

No glare found

117 - Receptor (Oz Airport SW Bound)

No glare found

117 - Receptor (Vine Grove Airport NW Bound)

No glare found

117 - Receptor (Vine Grove Airport SE Bound)

No glare found

117 - OP Receptor (OP 1)

No glare found

117 - OP Receptor (OP 2)

No glare found

117 - OP Receptor (OP 3)

No glare found

117 - OP Receptor (OP 4)

No glare found

117 - OP Receptor (OP 5)

No glare found

117 - OP Receptor (OP 6)

No glare found

117 - OP Receptor (OP 7)

No glare found

117 - OP Receptor (OP 8)

No glare found

117 - OP Receptor (OP 9)

No glare found

117 - OP Receptor (OP 10)

No glare found

117 - OP Receptor (OP 11)

No glare found

117 - OP Receptor (OP 12)

No glare found

117 - OP Receptor (OP 13)

No glare found

117 - OP Receptor (OP 14)

No glare found

117 - OP Receptor (OP 15)

No glare found

117 - OP Receptor (OP 16)

No glare found

117 - OP Receptor (OP 17)

No glare found

117 - OP Receptor (OP 18)

No glare found

117 - OP Receptor (OP 19)

No glare found

117 - OP Receptor (OP 20)

No glare found

117 - OP Receptor (OP 21)

No glare found

117 - OP Receptor (OP 22)

No glare found

117 - OP Receptor (OP 23)

No glare found

117 - OP Receptor (OP 24)

No glare found

117 - OP Receptor (OP 25)

No glare found

117 - OP Receptor (OP 26)

No glare found

117 - OP Receptor (OP 27)

No glare found

117 - OP Receptor (OP 28)

No glare found

117 - OP Receptor (OP 29)

No glare found

117 - OP Receptor (OP 30)

No glare found

117 - OP Receptor (OP 31)

No glare found

117 - OP Receptor (OP 32)

No glare found

117 - OP Receptor (OP 33)

No glare found

117 - OP Receptor (OP 34)

No glare found

117 - OP Receptor (OP 35)

No glare found

117 - OP Receptor (OP 36)

No glare found

117 - OP Receptor (OP 37)

No glare found

117 - OP Receptor (OP 38)

No glare found

117 - OP Receptor (OP 39)

No glare found

117 - OP Receptor (OP 40)

No glare found

117 - Route Receptor (Aiden Lane)

No glare found

117 - Route Receptor (Alcott Court Arden Court)

No glare found

117 - Route Receptor (Canton Road)

No glare found

117 - Route Receptor (Cecelia Road)

No glare found

117 - Route Receptor (Damson Trail)

No glare found

117 - Route Receptor (Goodman Lane)

No glare found

117 - Route Receptor (Hayden School Road)

No glare found

117 - Route Receptor (Hopewell Court Radford Court)

No glare found

117 - Route Receptor (Kitty Hawk Drive)

No glare found

117 - Route Receptor (St John Road)

No glare found

117 - Route Receptor (Thomas Cecelia road)

No glare found

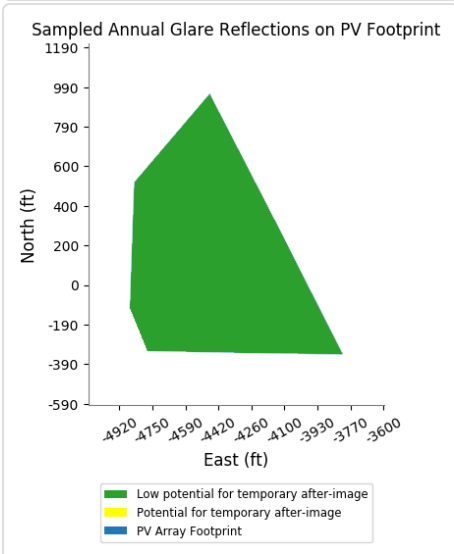
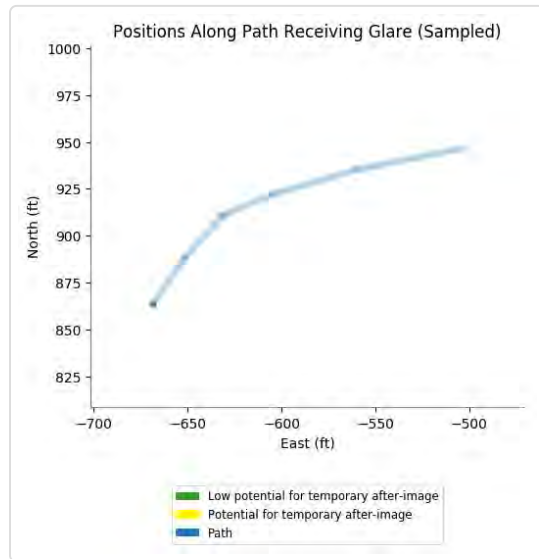
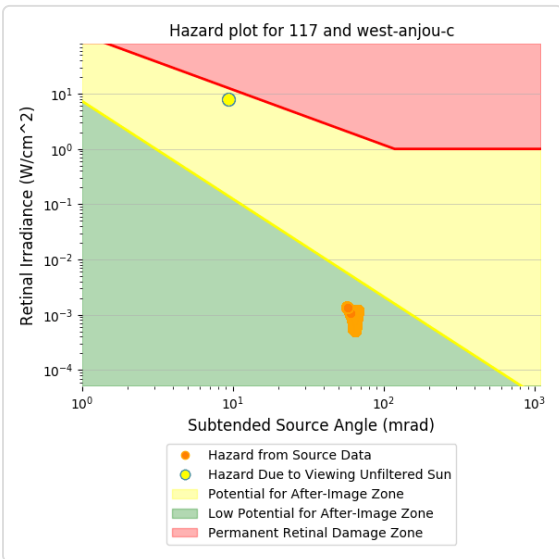
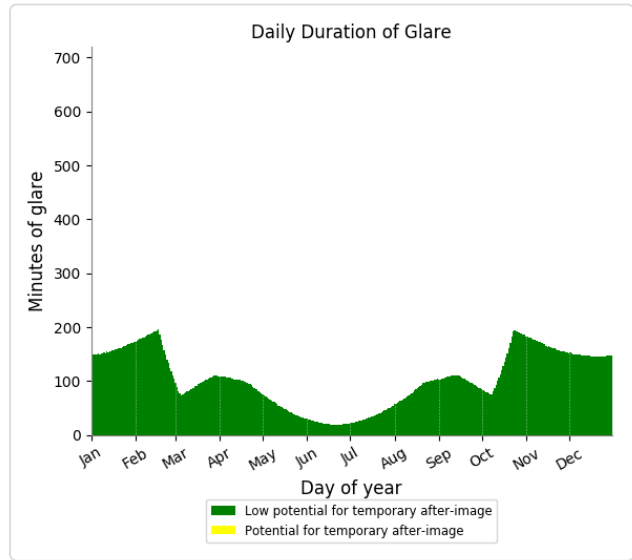
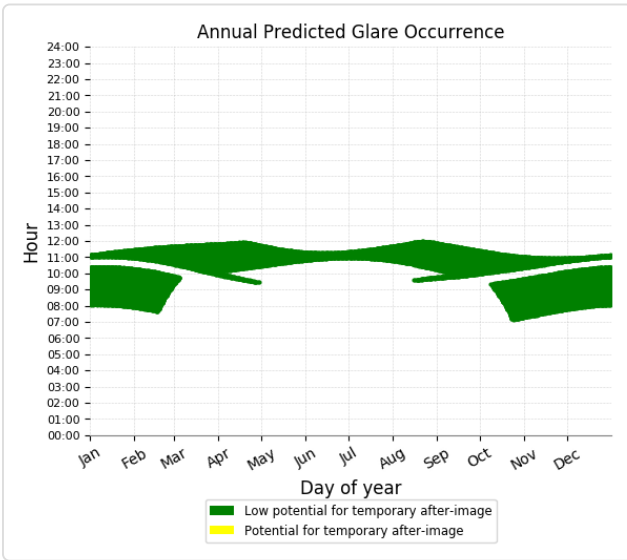
117 - Route Receptor (Thomas Road Braeburn Court)

No glare found

117 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 38,116 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	22124	0

118 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

118 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

118 - Receptor (Hornback Airstrip Northbound)

No glare found

118 - Receptor (Hornback Airstrip Southbound)

No glare found

118 - Receptor (Oz Airport NE Bound)

No glare found

118 - Receptor (Oz Airport SW Bound)

No glare found

118 - Receptor (Vine Grove Airport NW Bound)

No glare found

118 - Receptor (Vine Grove Airport SE Bound)

No glare found

118 - OP Receptor (OP 1)

No glare found

118 - OP Receptor (OP 2)

No glare found

118 - OP Receptor (OP 3)

No glare found

118 - OP Receptor (OP 4)

No glare found

118 - OP Receptor (OP 5)

No glare found

118 - OP Receptor (OP 6)

No glare found

118 - OP Receptor (OP 7)

No glare found

118 - OP Receptor (OP 8)

No glare found

118 - OP Receptor (OP 9)

No glare found

118 - OP Receptor (OP 10)

No glare found

118 - OP Receptor (OP 11)

No glare found

118 - OP Receptor (OP 12)

No glare found

118 - OP Receptor (OP 13)

No glare found

118 - OP Receptor (OP 14)

No glare found

118 - OP Receptor (OP 15)

No glare found

118 - OP Receptor (OP 16)

No glare found

118 - OP Receptor (OP 17)

No glare found

118 - OP Receptor (OP 18)

No glare found

118 - OP Receptor (OP 19)

No glare found

118 - OP Receptor (OP 20)

No glare found

118 - OP Receptor (OP 21)

No glare found

118 - OP Receptor (OP 22)

No glare found

118 - OP Receptor (OP 23)

No glare found

118 - OP Receptor (OP 24)

No glare found

118 - OP Receptor (OP 25)

No glare found

118 - OP Receptor (OP 26)

No glare found

118 - OP Receptor (OP 27)

No glare found

118 - OP Receptor (OP 28)

No glare found

118 - OP Receptor (OP 29)

No glare found

118 - OP Receptor (OP 30)

No glare found

118 - OP Receptor (OP 31)

No glare found

118 - OP Receptor (OP 32)

No glare found

118 - OP Receptor (OP 33)

No glare found

118 - OP Receptor (OP 34)

No glare found

118 - OP Receptor (OP 35)

No glare found

118 - OP Receptor (OP 36)

No glare found

118 - OP Receptor (OP 37)

No glare found

118 - OP Receptor (OP 38)

No glare found

118 - OP Receptor (OP 39)

No glare found

118 - OP Receptor (OP 40)

No glare found

118 - Route Receptor (Aiden Lane)

No glare found

118 - Route Receptor (Alcott Court Arden Court)

No glare found

118 - Route Receptor (Canton Road)

No glare found

118 - Route Receptor (Cecelia Road)

No glare found

118 - Route Receptor (Damson Trail)

No glare found

118 - Route Receptor (Goodman Lane)

No glare found

118 - Route Receptor (Hayden School Road)

No glare found

118 - Route Receptor (Hopewell Court Radford Court)

No glare found

118 - Route Receptor (Kitty Hawk Drive)

No glare found

118 - Route Receptor (St John Road)

No glare found

118 - Route Receptor (Thomas Cecelia road)

No glare found

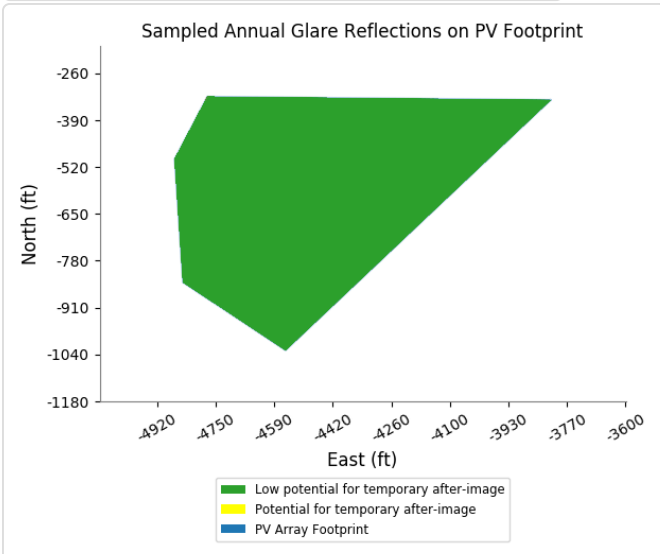
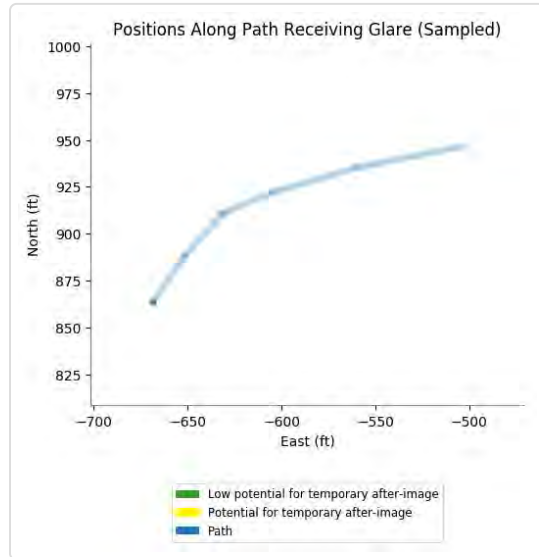
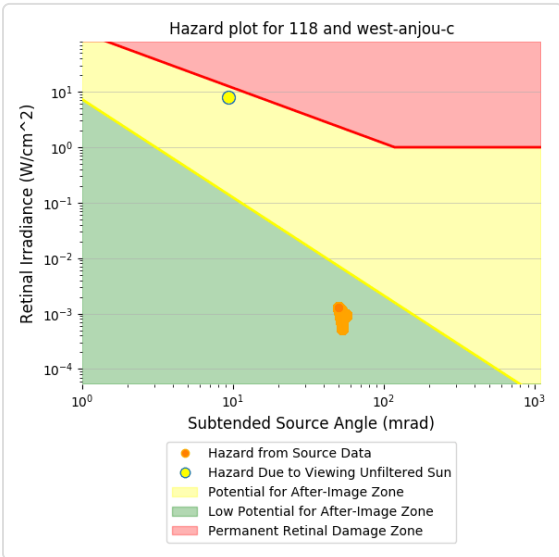
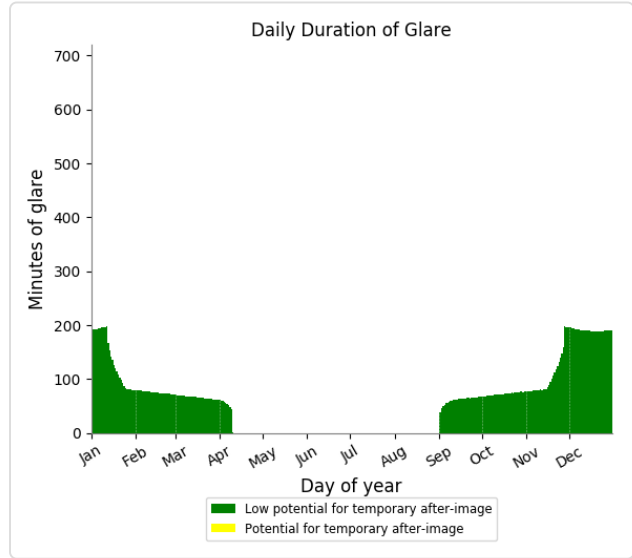
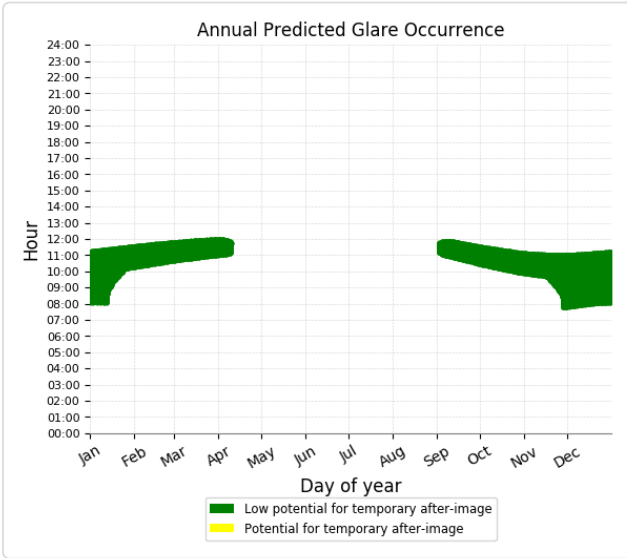
118 - Route Receptor (Thomas Road Braeburn Court)

No glare found

118 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 22,124 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not account for physical obstructions between reflectors and receptors. This includes buildings, tree cover and geographic obstructions
- Detailed system geometry is not rigorously simulated.
- The glare hazard determination relies on several approximations including observer eye characteristics, angle of view, and typical blink response time. Actual values and results may vary.
- The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.
- Several V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results for large PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare.
- The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)
- Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.
- Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
- Glare vector plots are simplified representations of analysis data. Actual glare emanations and results may differ.
- Refer to the **Help page** for detailed assumptions and limitations not listed here.

Telesto Solar

Block 1 12 ft pan 5 ft veh gp 1 houses

Created March 21, 2022
Updated March 22, 2022
Time-step 1 minute
Timezone offset UTC-5
Site ID 66462.11731

Project type Advanced
Project status: active
Category 100 to 500 kW

Misc. Analysis Settings

DNI: varies (1,000.0 W/m² peak)
Ocular transmission coefficient: 0.5
Pupil diameter: 0.002 m
Eye focal length: 0.017 m
Sun subtended angle: 9.3 mrad

Analysis Methodologies:

- Observation point: **Version 2**
- 2-Mile Flight Path: **Version 2**
- Route: **Version 2**

Summary of Results Glare with low potential for temporary after-image predicted

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced
	deg	deg	min	min	kWh
101	SA tracking	SA tracking	0	0	-
102	SA tracking	SA tracking	0	0	-
103	SA tracking	SA tracking	0	0	-
104	SA tracking	SA tracking	0	0	-
105	SA tracking	SA tracking	7,484	0	-
106	SA tracking	SA tracking	3,947	0	-
107	SA tracking	SA tracking	18,397	0	-
108	SA tracking	SA tracking	18,908	0	-
109	SA tracking	SA tracking	33,416	0	-
110	SA tracking	SA tracking	55,982	0	-
111	SA tracking	SA tracking	18,856	0	-
112	SA tracking	SA tracking	17,291	0	-
113	SA tracking	SA tracking	21,068	0	-
114	SA tracking	SA tracking	20,349	0	-
115	SA tracking	SA tracking	26,945	0	-
116	SA tracking	SA tracking	39,202	0	-
117	SA tracking	SA tracking	38,046	0	-
118	SA tracking	SA tracking	22,116	0	-

Component Data

PV Array(s)

Total PV footprint area: 176.7 acres

Name: 101
Footprint area: 3.4 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.687640	-85.932333	793.92	12.00	805.92
2	37.686804	-85.932269	773.47	12.00	785.47
3	37.685651	-85.933770	769.65	12.00	781.65
4	37.686528	-85.933861	777.64	12.00	789.64

Name: 102
Footprint area: 12.7 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.693775	-85.931505	802.78	12.00	814.78
2	37.693783	-85.931103	806.62	12.00	818.63
3	37.693393	-85.931103	805.37	12.00	817.37
4	37.693333	-85.930556	811.53	12.00	823.53
5	37.692989	-85.930041	811.25	12.00	823.25
6	37.692319	-85.930052	810.68	12.00	822.68
7	37.690084	-85.931859	804.90	12.00	816.90
8	37.690110	-85.932081	800.32	12.00	812.32
9	37.690737	-85.932608	797.62	12.00	809.62
10	37.692205	-85.932416	796.09	12.00	808.09
11	37.692964	-85.931601	805.77	12.00	817.77

Name: 103

Footprint area: 9.8 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.694067	-85.933919	808.24	12.00	820.24
2	37.694071	-85.933640	810.15	12.00	822.15
3	37.693328	-85.933544	800.70	12.00	812.70
4	37.692598	-85.933608	810.87	12.00	822.87
5	37.690446	-85.935180	799.11	12.00	811.11
6	37.691007	-85.935726	805.91	12.00	817.91
7	37.691840	-85.935853	808.86	12.00	820.87

Name: 104

Footprint area: 10.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.690444	-85.935182	799.14	12.00	811.14
2	37.689896	-85.935172	799.54	12.00	811.54
3	37.689877	-85.934922	795.55	12.00	807.55
4	37.690291	-85.934740	797.27	12.00	809.27
5	37.689934	-85.934249	795.31	12.00	807.31
6	37.689543	-85.934338	790.87	12.00	802.87
7	37.688953	-85.934434	789.93	12.00	801.93
8	37.688595	-85.933364	782.04	12.00	794.04
9	37.689189	-85.932975	788.12	12.00	800.12
10	37.689770	-85.932946	795.54	12.00	807.54
11	37.690403	-85.933675	798.81	12.00	810.81
12	37.691190	-85.933629	796.65	12.00	808.65
13	37.691841	-85.933297	798.82	12.00	810.82
14	37.692985	-85.933252	802.55	12.00	814.55
15	37.692594	-85.933611	810.96	12.00	822.97
16	37.691689	-85.934277	813.57	12.00	825.57

Name: 105

Footprint area: 1.3 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.689565	-85.937104	775.52	12.00	787.52
2	37.688869	-85.937122	769.20	12.00	781.20
3	37.688733	-85.937901	765.41	12.00	777.41
4	37.689363	-85.937926	772.87	12.00	784.87



Name: 106

Footprint area: 7.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.684724	-85.935089	757.03	12.00	769.03
2	37.685594	-85.935126	765.13	12.00	777.13
3	37.688074	-85.935469	786.59	12.00	798.59
4	37.688052	-85.936156	777.97	12.00	789.97
5	37.686346	-85.936113	774.41	12.00	786.41
6	37.684304	-85.936022	773.13	12.00	785.13



Name: 107

Footprint area: 23.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688468	-85.937052	768.87	12.00	780.87
2	37.684469	-85.936676	776.90	12.00	788.90
3	37.684087	-85.937266	764.74	12.00	776.74
4	37.685688	-85.940458	760.44	12.00	772.44
5	37.686465	-85.940480	757.44	12.00	769.45

Name: 108

Footprint area: 1.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.687923	-85.942682	746.01	12.00	758.02
2	37.687815	-85.942368	760.81	12.00	772.81
3	37.688176	-85.942371	750.83	12.00	762.83
4	37.688173	-85.942317	751.99	12.00	763.99
5	37.687796	-85.942314	762.20	12.00	774.21
6	37.687607	-85.941622	768.22	12.00	780.23
7	37.686947	-85.941647	748.74	12.00	760.74
8	37.687333	-85.942770	745.08	12.00	757.08

Name: 109

Footprint area: 8.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691419	-85.944527	768.69	12.00	780.69
2	37.691236	-85.943937	767.33	12.00	779.33
3	37.690031	-85.943980	757.24	12.00	769.24
4	37.689640	-85.943127	749.01	12.00	761.01
5	37.688515	-85.943159	749.94	12.00	761.94
6	37.688209	-85.943331	746.17	12.00	758.17
7	37.687972	-85.943744	744.48	12.00	756.48
8	37.688193	-85.944259	749.11	12.00	761.11
9	37.688846	-85.944254	754.05	12.00	766.05
10	37.689080	-85.944785	751.10	12.00	763.10
11	37.690574	-85.944940	762.10	12.00	774.10
12	37.690536	-85.944731	759.58	12.00	771.58

Name: 110

Footprint area: 6.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691245	-85.943948	767.33	12.00	779.33
2	37.691122	-85.943578	765.33	12.00	777.33
3	37.692637	-85.943296	766.81	12.00	778.81
4	37.694271	-85.942993	773.40	12.00	785.40
5	37.694331	-85.943701	783.11	12.00	795.11
6	37.694021	-85.943932	782.59	12.00	794.59
7	37.691419	-85.944527	768.69	12.00	780.69

Name: 111

Footprint area: 15.2 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

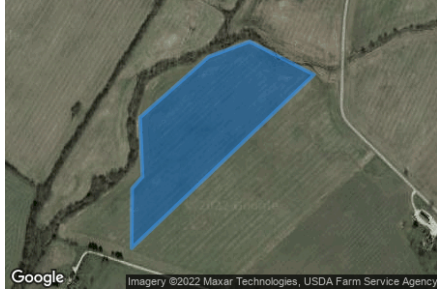
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685807	-85.945568	738.12	12.00	750.12
2	37.686872	-85.944044	742.46	12.00	754.46
3	37.687140	-85.943132	744.46	12.00	756.46
4	37.686558	-85.941706	749.30	12.00	761.30
5	37.683510	-85.945756	744.21	12.00	756.21
6	37.684559	-85.945745	737.82	12.00	749.82
7	37.684767	-85.945514	738.67	12.00	750.67

Name: 112

Footprint area: 16.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.686562	-85.941711	749.30	12.00	761.30
2	37.686571	-85.941561	748.53	12.00	760.53
3	37.686384	-85.941335	749.32	12.00	761.32
4	37.684805	-85.941233	758.23	12.00	770.23
5	37.683077	-85.943739	754.87	12.00	766.87
6	37.683510	-85.945782	744.22	12.00	756.22

Name: 113

Footprint area: 3.3 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692028	-85.951355	775.39	12.00	787.39
2	37.692856	-85.951242	786.27	12.00	798.27
3	37.693599	-85.950904	795.76	12.00	807.76
4	37.693590	-85.950277	795.30	12.00	807.30
5	37.691773	-85.950529	775.56	12.00	787.56

Name: 114

Footprint area: 2.0 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692661	-85.949874	773.91	12.00	785.91
2	37.693246	-85.949520	783.73	12.00	795.73
3	37.693255	-85.949177	784.03	12.00	796.04
4	37.691795	-85.949268	773.92	12.00	785.92
5	37.691816	-85.949874	767.55	12.00	779.55

Name: 115

Footprint area: 9.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.690733	-85.949692	764.64	12.00	776.64
2	37.692614	-85.948437	776.09	12.00	788.10
3	37.692627	-85.948308	776.60	12.00	788.60
4	37.691362	-85.947541	767.38	12.00	779.38
5	37.690627	-85.947578	762.77	12.00	774.77
6	37.689833	-85.948850	757.70	12.00	769.70
7	37.689876	-85.949515	757.21	12.00	769.21
8	37.690474	-85.949831	761.04	12.00	773.04

Name: 116

Footprint area: 16.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691485	-85.947160	769.39	12.00	781.39
2	37.691616	-85.946720	774.02	12.00	786.02
3	37.690738	-85.946688	764.60	12.00	776.60
4	37.690733	-85.946639	763.98	12.00	775.98
5	37.690186	-85.946307	759.56	12.00	771.56
6	37.689630	-85.945137	750.16	12.00	762.16
7	37.688517	-85.944778	752.98	12.00	764.98
8	37.688000	-85.944558	749.08	12.00	761.08
9	37.687409	-85.944504	742.72	12.00	754.72
10	37.686717	-85.945518	740.62	12.00	752.63
11	37.688315	-85.946556	759.35	12.00	771.35
12	37.689937	-85.947615	767.32	12.00	779.32
13	37.690233	-85.947783	763.44	12.00	775.44
14	37.690654	-85.947365	763.60	12.00	775.61

Name: 117

Footprint area: 18.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

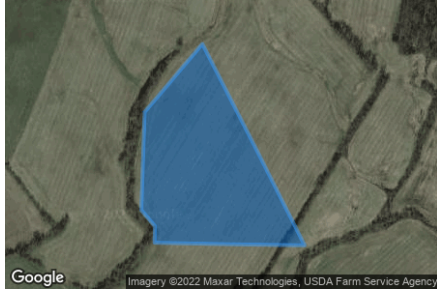
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.690238	-85.947789	763.20	12.00	775.20
2	37.689041	-85.949071	758.11	12.00	770.11
3	37.687321	-85.949146	749.45	12.00	761.45
4	37.687037	-85.948840	746.41	12.00	758.41
5	37.686748	-85.948851	746.50	12.00	758.50
6	37.686721	-85.947175	752.20	12.00	764.21
7	37.686701	-85.945520	740.01	12.00	752.01
8	37.688482	-85.946654	756.68	12.00	768.69

Name: 118

Footprint area: 10.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.686714	-85.945530	740.21	12.00	752.21
2	37.684791	-85.948095	745.54	12.00	757.54
3	37.685313	-85.949087	743.09	12.00	755.09
4	37.686260	-85.949167	746.31	12.00	758.31
5	37.686740	-85.948851	746.45	12.00	758.45

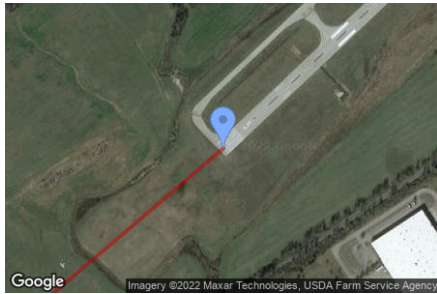
2-Mile Flight Path Receptor(s)

Name: Elizabethtown Regional Airport Runway 23
Description:
Threshold height : 50 ft
Direction: 225.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



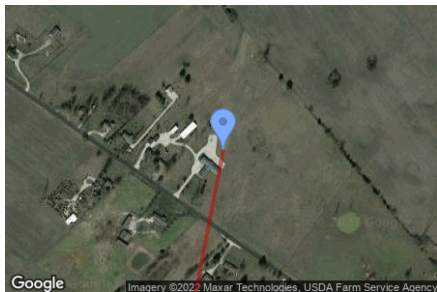
Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.691634	-85.917563	769.91	50.00	819.91
2-mile point	37.711924	-85.891503	745.53	627.83	1373.37

Name: Elizabethtown Regional Airport Runway 5
Description:
Threshold height : 50 ft
Direction: 49.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.680407	-85.932519	751.25	50.00	801.26
2-mile point	37.661653	-85.960355	690.06	664.65	1354.71

Name: Hornback Airstrip Northbound
Description:
Threshold height : 50 ft
Direction: 11.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.620818	-85.791738	782.24	50.00	832.24
2-mile point	37.592433	-85.798686	723.03	662.67	1385.70

Name: Hornback Airstrip Southbound
Description:
Threshold height : 50 ft
Direction: 194.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.625076	-85.790590	733.51	50.00	783.52
2-mile point	37.653055	-85.781377	827.86	509.11	1336.97

Name: Oz Airport NE Bound
Description:
Threshold height : 50 ft
Direction: 313.3 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



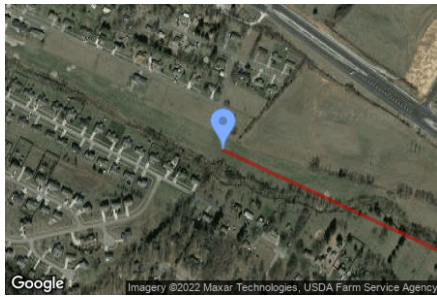
Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.652149	-85.809356	834.93	50.00	884.94
2-mile point	37.632309	-85.782761	773.96	664.43	1438.39

Name: Oz Airport SW Bound
Description:
Threshold height : 50 ft
Direction: 140.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.658203	-85.816375	817.66	50.00	867.66
2-mile point	37.680468	-85.839701	791.67	629.45	1421.12

Name: Vine Grove Airport NW Bound
Description:
Threshold height : 50 ft
Direction: 294.9 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.814237	-85.961318	684.17	50.00	734.17
2-mile point	37.802059	-85.928086	754.23	533.39	1287.62

Name: Vine Grove Airport SE Bound
Description:
Threshold height : 50 ft
Direction: 117.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.816483	-85.967294	676.33	50.00	726.33
2-mile point	37.829855	-85.999781	668.90	610.89	1279.79

Route Receptor(s)

Name: Aiden Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.695693	-85.925773	797.79	5.00	802.79
2	37.694767	-85.926696	806.53	5.00	811.53
3	37.693664	-85.927736	791.96	5.00	796.96
4	37.693163	-85.928305	792.44	5.00	797.44
5	37.693112	-85.928380	794.16	5.00	799.16
6	37.692526	-85.928026	791.22	5.00	796.22
7	37.692322	-85.927940	792.92	5.00	797.92
8	37.691244	-85.928015	789.79	5.00	794.79
9	37.690973	-85.928283	783.04	5.00	788.04
10	37.690124	-85.929442	783.68	5.00	788.68
11	37.689741	-85.929764	785.75	5.00	790.75
12	37.688875	-85.928755	775.45	5.00	780.45

Name: Alcott Court Arden Court
Route type: Two-way
View angle: 50.0 deg



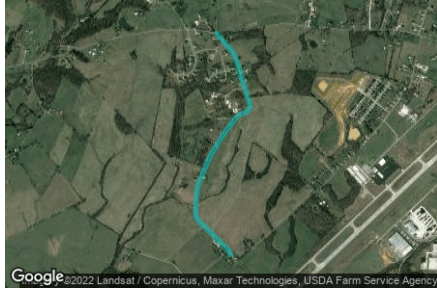
Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.693019	-85.927157	795.31	5.00	800.31
2	37.693613	-85.926556	799.43	5.00	804.43
3	37.694385	-85.925848	798.49	5.00	803.49
4	37.695158	-85.925108	789.46	5.00	794.46
5	37.695438	-85.924839	785.25	5.00	790.26

Name: Canton Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.694835	-85.926610	808.38	5.00	813.38
2	37.694385	-85.925827	798.12	5.00	803.12
3	37.693689	-85.924721	788.30	5.00	793.30
4	37.693197	-85.923852	775.38	5.00	780.38

Name: Cecelia Road
Route type: Two-way
View angle: 50.0 deg



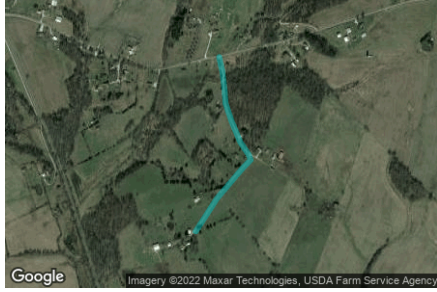
Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.698822	-85.939183	833.50	5.00	838.50
2	37.698321	-85.938711	826.58	5.00	831.58
3	37.697659	-85.937960	825.48	5.00	830.48
4	37.697332	-85.937670	823.31	5.00	828.31
5	37.697073	-85.937525	821.58	5.00	826.58
6	37.695668	-85.936994	817.19	5.00	822.19
7	37.694191	-85.936415	825.18	5.00	830.18
8	37.693809	-85.936259	826.50	5.00	831.50
9	37.693609	-85.936243	826.66	5.00	831.66
10	37.693427	-85.936383	824.24	5.00	829.25
11	37.693236	-85.936689	821.68	5.00	826.68
12	37.693087	-85.937171	823.65	5.00	828.65
13	37.692956	-85.937429	822.72	5.00	827.72
14	37.692259	-85.938121	819.44	5.00	824.44
15	37.691729	-85.938593	813.69	5.00	818.69
16	37.691139	-85.939060	804.52	5.00	809.52
17	37.690523	-85.939548	795.99	5.00	800.99
18	37.690035	-85.939880	791.73	5.00	796.73
19	37.689356	-85.940245	784.66	5.00	789.66
20	37.688842	-85.940497	785.64	5.00	790.64
21	37.688324	-85.940803	770.22	5.00	775.22
22	37.687921	-85.940937	763.11	5.00	768.11
23	37.687201	-85.941034	755.74	5.00	760.74
24	37.686473	-85.941077	751.76	5.00	756.76
25	37.685926	-85.941071	757.26	5.00	762.26
26	37.685565	-85.940792	761.30	5.00	766.30
27	37.684788	-85.939773	760.35	5.00	765.35
28	37.684177	-85.939017	767.15	5.00	772.15
29	37.683795	-85.938523	765.05	5.00	770.05
30	37.683480	-85.938132	759.66	5.00	764.67
31	37.683238	-85.938008	758.76	5.00	763.76

Name: Damson Trail
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.697399	-85.941169	814.31	5.00	819.31
2	37.697586	-85.940321	806.56	5.00	811.56
3	37.697688	-85.939581	816.05	5.00	821.05
4	37.697560	-85.939066	813.73	5.00	818.73
5	37.697314	-85.938787	811.13	5.00	816.13
6	37.696571	-85.938556	809.91	5.00	814.91
7	37.696117	-85.938433	810.90	5.00	815.90

Name: Goodman Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.696730	-85.955781	757.93	5.00	762.93
2	37.696212	-85.955641	749.09	5.00	754.10
3	37.695567	-85.955545	755.60	5.00	760.60
4	37.695100	-85.955502	764.15	5.00	769.15
5	37.694446	-85.955223	777.53	5.00	782.53
6	37.693733	-85.954848	801.08	5.00	806.08
7	37.693292	-85.954472	808.08	5.00	813.08
8	37.693105	-85.954386	805.20	5.00	810.20
9	37.692816	-85.954740	803.47	5.00	808.47
10	37.692146	-85.955459	802.39	5.00	807.39
11	37.691764	-85.955867	801.25	5.00	806.25
12	37.690592	-85.956822	785.72	5.00	790.72

Name: Hayden School Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.677893	-85.946307	754.79	5.00	759.79
2	37.678674	-85.945138	768.63	5.00	773.63
3	37.679795	-85.943507	753.42	5.00	758.42
4	37.681103	-85.941576	755.61	5.00	760.61
5	37.682113	-85.940116	776.74	5.00	781.74
6	37.682793	-85.939087	763.42	5.00	768.42
7	37.683098	-85.938604	765.04	5.00	770.05
8	37.683260	-85.938014	758.32	5.00	763.32
9	37.683429	-85.937112	758.77	5.00	763.77
10	37.683540	-85.936447	765.86	5.00	770.86
11	37.683650	-85.936050	768.95	5.00	773.95
12	37.683854	-85.935696	767.94	5.00	772.94
13	37.685077	-85.933926	756.15	5.00	761.15
14	37.687286	-85.930871	776.58	5.00	781.58
15	37.689564	-85.927752	768.00	5.00	773.00
16	37.690619	-85.926370	778.56	5.00	783.56
17	37.691214	-85.925703	787.76	5.00	792.76
18	37.692691	-85.924285	778.43	5.00	783.43
19	37.694798	-85.922264	770.80	5.00	775.80

Name: Hopewell Court Radford Court
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692501	-85.926481	791.65	5.00	796.65
2	37.693307	-85.925698	785.59	5.00	790.59
3	37.694165	-85.924861	791.70	5.00	796.70
4	37.695124	-85.923928	778.87	5.00	783.87

Name: Kitty Hawk Drive
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692618	-85.924376	779.14	5.00	784.15
2	37.691904	-85.923625	770.82	5.00	775.82
3	37.691565	-85.923196	772.85	5.00	777.85
4	37.691242	-85.923174	777.94	5.00	782.94
5	37.691853	-85.922230	773.71	5.00	778.72
6	37.693229	-85.920449	765.64	5.00	770.64
7	37.694146	-85.919205	759.18	5.00	764.18
8	37.694638	-85.918475	756.37	5.00	761.37
9	37.694757	-85.917917	754.37	5.00	759.37
10	37.694774	-85.917424	752.06	5.00	757.06
11	37.694180	-85.914699	737.10	5.00	742.10
12	37.693840	-85.913003	731.15	5.00	736.15
13	37.693534	-85.911759	727.17	5.00	732.17

Name: St John Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.696404	-85.959508	769.81	5.00	774.81
2	37.696285	-85.958907	757.90	5.00	762.90
3	37.696277	-85.958489	752.63	5.00	757.63
4	37.696642	-85.956365	759.00	5.00	764.00
5	37.697058	-85.954165	755.86	5.00	760.86
6	37.697508	-85.951987	773.93	5.00	778.93
7	37.698110	-85.949616	797.45	5.00	802.45
8	37.698590	-85.947670	810.71	5.00	815.71
9	37.698780	-85.946453	811.00	5.00	816.00
10	37.699026	-85.943847	819.36	5.00	824.36
11	37.699059	-85.942240	806.46	5.00	811.46
12	37.699006	-85.940679	821.09	5.00	826.09
13	37.698811	-85.938806	835.72	5.00	840.72
14	37.698905	-85.937792	815.95	5.00	820.95
15	37.699212	-85.935291	794.15	5.00	799.15
16	37.699486	-85.933100	771.48	5.00	776.48
17	37.699473	-85.932537	762.72	5.00	767.72
18	37.699261	-85.930876	777.94	5.00	782.94
19	37.699143	-85.929054	801.28	5.00	806.28
20	37.698991	-85.927000	778.10	5.00	783.10
21	37.699044	-85.923985	766.70	5.00	771.70

Name: Thomas Cecelia road
Route type: Two-way
View angle: 50.0 deg

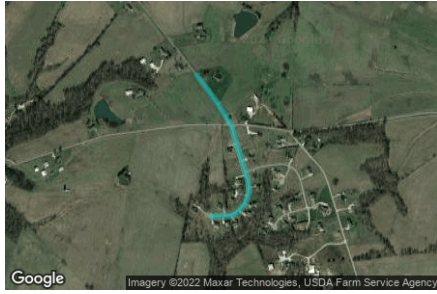


Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.678353	-85.945791	760.40	5.00	765.40
2	37.678778	-85.946005	760.49	5.00	765.49
3	37.679542	-85.947057	757.98	5.00	762.98
4	37.680476	-85.948323	754.72	5.00	759.72
5	37.681071	-85.949439	726.64	5.00	731.64
6	37.681240	-85.949996	727.39	5.00	732.39

Name: Thomas Road Braeburn Court

Route type: Two-way

View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.700803	-85.943336	834.13	5.00	839.13
2	37.699844	-85.942435	815.90	5.00	820.90
3	37.699097	-85.941845	810.08	5.00	815.08
4	37.698095	-85.941448	811.46	5.00	816.46
5	37.697323	-85.941147	815.09	5.00	820.09
6	37.696712	-85.941008	808.99	5.00	813.99
7	37.696313	-85.941169	799.74	5.00	804.74
8	37.695973	-85.941534	801.30	5.00	806.30
9	37.695854	-85.941812	800.69	5.00	805.69
10	37.695837	-85.942381	791.56	5.00	796.56
11	37.695837	-85.942692	786.56	5.00	791.56

Name: West Anjou Court

Route type: Two-way

View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.695421	-85.939913	5803.51	5.00	5808.51
2	37.695642	-85.939720	802.24	5.00	807.24
3	37.695846	-85.939495	806.96	5.00	811.96
4	37.695947	-85.939195	811.99	5.00	816.99
5	37.696066	-85.938680	811.22	5.00	816.22
6	37.696168	-85.938047	809.11	5.00	814.11

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	ft	ft	ft
OP 1	37.709227	-85.876066	769.34	500.02	1269.37
OP 2	37.693446	-85.953982	809.85	25.00	834.85
OP 3	37.690141	-85.957118	786.25	25.00	811.25
OP 4	37.693218	-85.954956	809.81	25.00	834.81
OP 5	37.693151	-85.956246	807.82	25.00	832.82
OP 6	37.694063	-85.954586	792.91	25.00	817.91
OP 7	37.694938	-85.955817	766.76	25.00	791.76
OP 8	37.696243	-85.957324	757.18	25.00	782.18
OP 9	37.695761	-85.958859	757.51	25.00	782.51
OP 10	37.697359	-85.954787	779.91	25.00	804.91
OP 11	37.697499	-85.953001	767.48	25.00	792.49
OP 12	37.696799	-85.952869	770.07	25.00	795.07
OP 13	37.697155	-85.951949	789.48	25.00	814.48
OP 14	37.697837	-85.949498	801.66	25.00	826.67
OP 15	37.698891	-85.948017	812.18	25.00	837.18
OP 16	37.698180	-85.941942	808.86	25.00	833.86
OP 17	37.697039	-85.941491	816.86	25.00	841.86
OP 18	37.696385	-85.941711	814.24	25.00	839.24
OP 19	37.696164	-85.942344	797.63	25.00	822.63
OP 20	37.696084	-85.943460	789.16	25.00	814.17
OP 21	37.695511	-85.942468	788.31	25.00	813.31
OP 22	37.695579	-85.941942	801.38	25.00	826.38
OP 23	37.695545	-85.941550	797.68	25.00	822.68
OP 24	37.695939	-85.941051	795.23	25.00	820.23
OP 25	37.696258	-85.940842	797.65	25.00	822.65
OP 26	37.696899	-85.940654	810.47	25.00	835.47
OP 27	37.695290	-85.940311	794.93	25.00	819.93
OP 28	37.695748	-85.940139	793.23	25.00	818.23
OP 29	37.695532	-85.939410	807.42	25.00	832.42
OP 30	37.694106	-85.939093	818.76	25.00	843.76
OP 31	37.692845	-85.939168	801.99	25.00	826.99
OP 32	37.693439	-85.937017	836.81	25.00	861.81
OP 33	37.691932	-85.939045	812.82	25.00	837.82
OP 34	37.691054	-85.939614	797.48	25.00	822.48
OP 35	37.688608	-85.940359	784.89	25.00	809.89
OP 36	37.683565	-85.939179	775.00	25.00	800.00
OP 37	37.682792	-85.938160	767.58	25.00	792.58
OP 38	37.686405	-85.930510	786.16	25.00	811.16
OP 39	37.687221	-85.930485	778.26	25.00	803.26
OP 40	37.688291	-85.930662	780.51	25.00	805.52

Summary of PV Glare Analysis

PV configuration and total predicted glare

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced	Data File
	deg	deg	min	min	kWh	
101	SA tracking	SA tracking	0	0	-	
102	SA tracking	SA tracking	0	0	-	
103	SA tracking	SA tracking	0	0	-	
104	SA tracking	SA tracking	0	0	-	
105	SA tracking	SA tracking	7,484	0	-	
106	SA tracking	SA tracking	3,947	0	-	
107	SA tracking	SA tracking	18,397	0	-	
108	SA tracking	SA tracking	18,908	0	-	
109	SA tracking	SA tracking	33,416	0	-	
110	SA tracking	SA tracking	55,982	0	-	
111	SA tracking	SA tracking	18,856	0	-	
112	SA tracking	SA tracking	17,291	0	-	
113	SA tracking	SA tracking	21,068	0	-	
114	SA tracking	SA tracking	20,349	0	-	
115	SA tracking	SA tracking	26,945	0	-	
116	SA tracking	SA tracking	39,202	0	-	
117	SA tracking	SA tracking	38,046	0	-	
118	SA tracking	SA tracking	22,116	0	-	

Distinct glare per month

Excludes overlapping glare from PV array for multiple receptors at matching time(s)

PV	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
105 (green)	1107	881	821	529	0	0	0	286	743	924	1038	1155
105 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
106 (green)	772	614	311	0	0	0	0	0	124	601	726	799
106 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
107 (green)	2896	2305	2098	857	0	0	0	300	1825	2405	2717	2994
107 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
108 (green)	1877	1616	1677	1479	1339	1148	1287	1449	1587	1749	1800	1900
108 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
109 (green)	5839	3038	2835	2050	602	0	149	1657	2551	3196	4697	6802
109 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
110 (green)	6353	7107	6375	3796	1890	602	1332	3069	5307	7785	6542	5824
110 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
111 (green)	2908	2331	2187	962	0	0	0	311	1982	2431	2731	3013
111 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
112 (green)	2713	2226	2141	590	0	0	0	134	1754	2360	2566	2807
112 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
113 (green)	0	575	3886	3101	2165	1138	1651	2915	3767	1870	0	0
113 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
114 (green)	0	922	3773	2686	2020	1084	1568	2624	3258	2414	0	0
114 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
115 (green)	1060	4206	4143	2740	1303	17	608	2423	3289	5016	2140	0
115 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
116 (green)	6951	5348	3690	1351	0	0	0	576	2909	4853	6958	6566
116 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
117 (green)	4909	4690	2900	2944	1551	646	1085	2563	3074	4103	5005	4576
117 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
118 (green)	4353	2115	2047	491	0	0	0	0	1758	2243	3194	5915
118 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0

PV & Receptor Analysis Results

Results for each PV array and receptor

101 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

102 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

103 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

104 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

105 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0

OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	7484	0

105 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

105 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

105 - Receptor (Hornback Airstrip Northbound)

No glare found

105 - Receptor (Hornback Airstrip Southbound)

No glare found

105 - Receptor (Oz Airport NE Bound)

No glare found

105 - Receptor (Oz Airport SW Bound)

No glare found

105 - Receptor (Vine Grove Airport NW Bound)

No glare found

105 - Receptor (Vine Grove Airport SE Bound)

No glare found

105 - OP Receptor (OP 1)

No glare found

105 - OP Receptor (OP 2)

No glare found

105 - OP Receptor (OP 3)

No glare found

105 - OP Receptor (OP 4)

No glare found

105 - OP Receptor (OP 5)

No glare found

105 - OP Receptor (OP 6)

No glare found

105 - OP Receptor (OP 7)

No glare found

105 - OP Receptor (OP 8)

No glare found

105 - OP Receptor (OP 9)

No glare found

105 - OP Receptor (OP 10)

No glare found

105 - OP Receptor (OP 11)

No glare found

105 - OP Receptor (OP 12)

No glare found

105 - OP Receptor (OP 13)

No glare found

105 - OP Receptor (OP 14)

No glare found

105 - OP Receptor (OP 15)

No glare found

105 - OP Receptor (OP 16)

No glare found

105 - OP Receptor (OP 17)

No glare found

105 - OP Receptor (OP 18)

No glare found

105 - OP Receptor (OP 19)

No glare found

105 - OP Receptor (OP 20)

No glare found

105 - OP Receptor (OP 21)

No glare found

105 - OP Receptor (OP 22)

No glare found

105 - OP Receptor (OP 23)

No glare found

105 - OP Receptor (OP 24)

No glare found

105 - OP Receptor (OP 25)

No glare found

105 - OP Receptor (OP 26)

No glare found

105 - OP Receptor (OP 27)

No glare found

105 - OP Receptor (OP 28)

No glare found

105 - OP Receptor (OP 29)

No glare found

105 - OP Receptor (OP 30)

No glare found

105 - OP Receptor (OP 31)

No glare found

105 - OP Receptor (OP 32)

No glare found

105 - OP Receptor (OP 33)

No glare found

105 - OP Receptor (OP 34)

No glare found

105 - OP Receptor (OP 35)

No glare found

105 - OP Receptor (OP 36)

No glare found

105 - OP Receptor (OP 37)

No glare found

105 - OP Receptor (OP 38)

No glare found

105 - OP Receptor (OP 39)

No glare found

105 - OP Receptor (OP 40)

No glare found

105 - Route Receptor (Aiden Lane)

No glare found

105 - Route Receptor (Alcott Court Arden Court)

No glare found

105 - Route Receptor (Canton Road)

No glare found

105 - Route Receptor (Cecelia Road)

No glare found

105 - Route Receptor (Damson Trail)

No glare found

105 - Route Receptor (Goodman Lane)

No glare found

105 - Route Receptor (Hayden School Road)

No glare found

105 - Route Receptor (Hopewell Court Radford Court)

No glare found

105 - Route Receptor (Kitty Hawk Drive)

No glare found

105 - Route Receptor (St John Road)

No glare found

105 - Route Receptor (Thomas Cecelia road)

No glare found

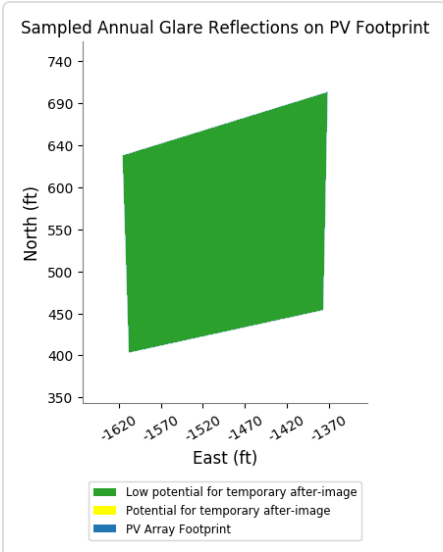
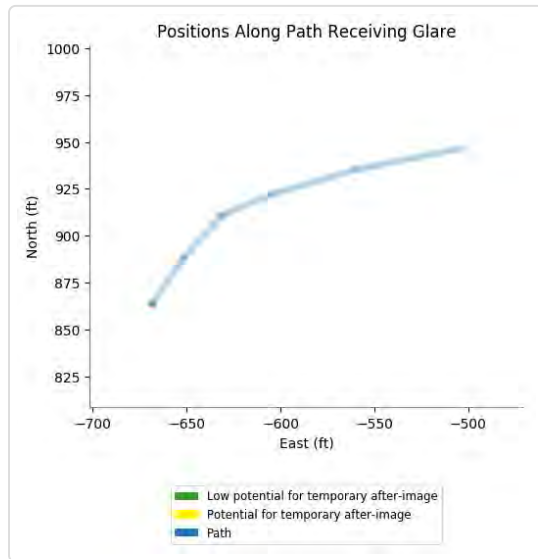
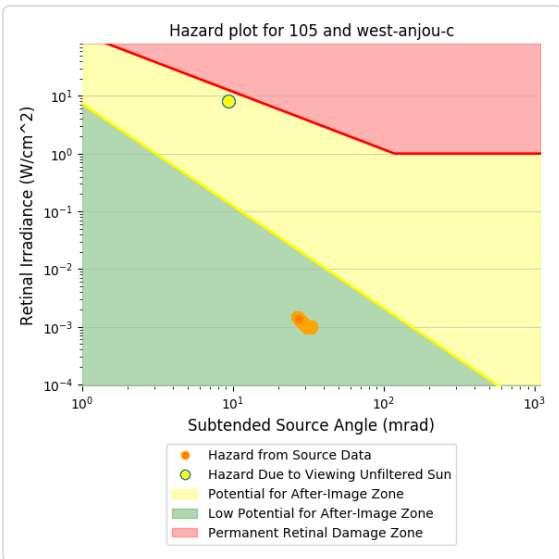
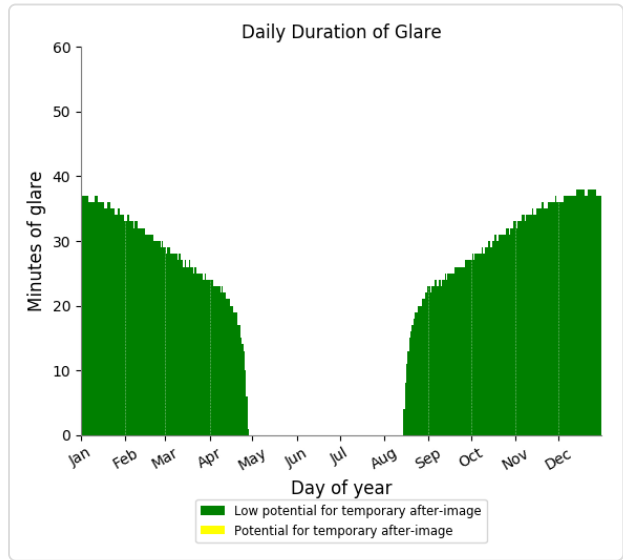
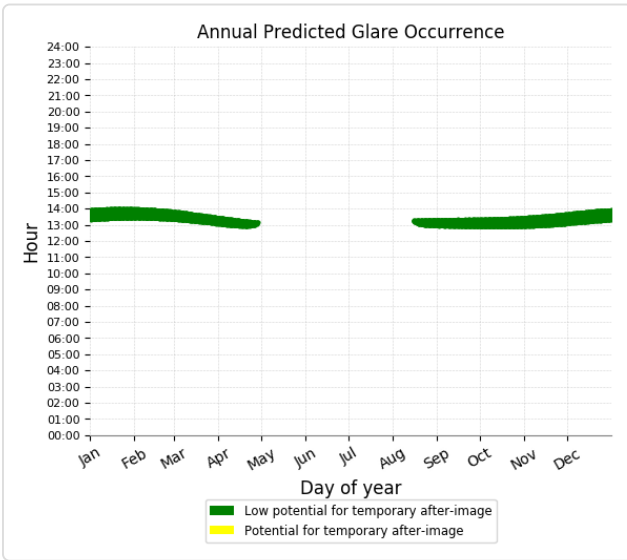
105 - Route Receptor (Thomas Road Braeburn Court)

No glare found

105 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 7,484 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	3947	0

106 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

106 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

106 - Receptor (Hornback Airstrip Northbound)

No glare found

106 - Receptor (Hornback Airstrip Southbound)

No glare found

106 - Receptor (Oz Airport NE Bound)

No glare found

106 - Receptor (Oz Airport SW Bound)

No glare found

106 - Receptor (Vine Grove Airport NW Bound)

No glare found

106 - Receptor (Vine Grove Airport SE Bound)

No glare found

106 - OP Receptor (OP 1)

No glare found

106 - OP Receptor (OP 2)

No glare found

106 - OP Receptor (OP 3)

No glare found

106 - OP Receptor (OP 4)

No glare found

106 - OP Receptor (OP 5)

No glare found

106 - OP Receptor (OP 6)

No glare found

106 - OP Receptor (OP 7)

No glare found

106 - OP Receptor (OP 8)

No glare found

106 - OP Receptor (OP 9)

No glare found

106 - OP Receptor (OP 10)

No glare found

106 - OP Receptor (OP 11)

No glare found

106 - OP Receptor (OP 12)

No glare found

106 - OP Receptor (OP 13)

No glare found

106 - OP Receptor (OP 14)

No glare found

106 - OP Receptor (OP 15)

No glare found

106 - OP Receptor (OP 16)

No glare found

106 - OP Receptor (OP 17)

No glare found

106 - OP Receptor (OP 18)

No glare found

106 - OP Receptor (OP 19)

No glare found

106 - OP Receptor (OP 20)

No glare found

106 - OP Receptor (OP 21)

No glare found

106 - OP Receptor (OP 22)

No glare found

106 - OP Receptor (OP 23)

No glare found

106 - OP Receptor (OP 24)

No glare found

106 - OP Receptor (OP 25)

No glare found

106 - OP Receptor (OP 26)

No glare found

106 - OP Receptor (OP 27)

No glare found

106 - OP Receptor (OP 28)

No glare found

106 - OP Receptor (OP 29)

No glare found

106 - OP Receptor (OP 30)

No glare found

106 - OP Receptor (OP 31)

No glare found

106 - OP Receptor (OP 32)

No glare found

106 - OP Receptor (OP 33)

No glare found

106 - OP Receptor (OP 34)

No glare found

106 - OP Receptor (OP 35)

No glare found

106 - OP Receptor (OP 36)

No glare found

106 - OP Receptor (OP 37)

No glare found

106 - OP Receptor (OP 38)

No glare found

106 - OP Receptor (OP 39)

No glare found

106 - OP Receptor (OP 40)

No glare found

106 - Route Receptor (Aiden Lane)

No glare found

106 - Route Receptor (Alcott Court Arden Court)

No glare found

106 - Route Receptor (Canton Road)

No glare found

106 - Route Receptor (Cecelia Road)

No glare found

106 - Route Receptor (Damson Trail)

No glare found

106 - Route Receptor (Goodman Lane)

No glare found

106 - Route Receptor (Hayden School Road)

No glare found

106 - Route Receptor (Hopewell Court Radford Court)

No glare found

106 - Route Receptor (Kitty Hawk Drive)

No glare found

106 - Route Receptor (St John Road)

No glare found

106 - Route Receptor (Thomas Cecelia road)

No glare found

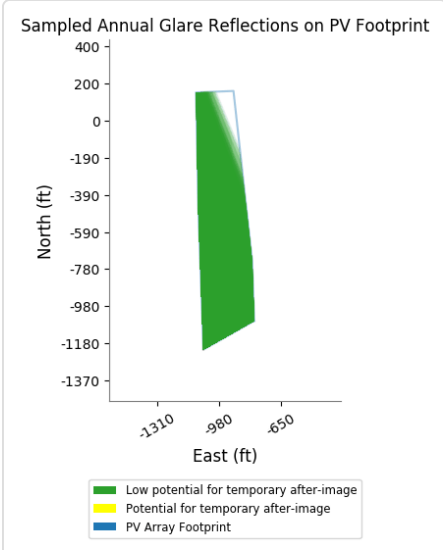
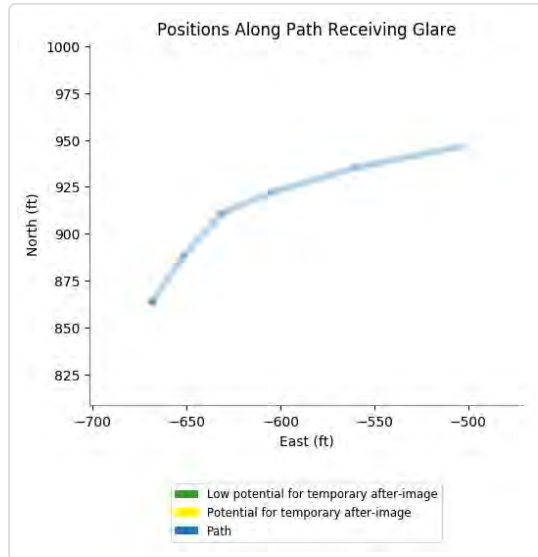
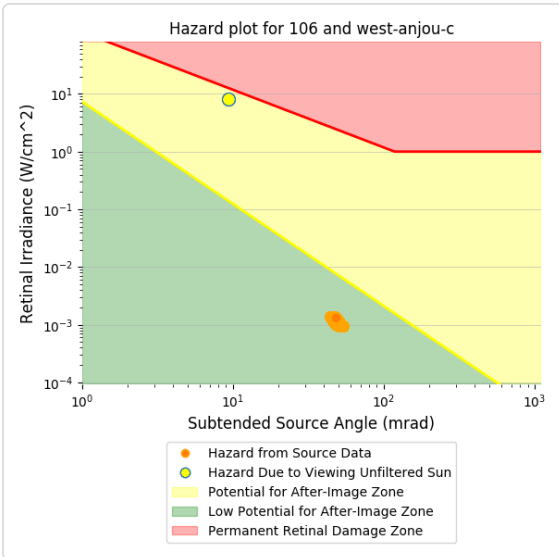
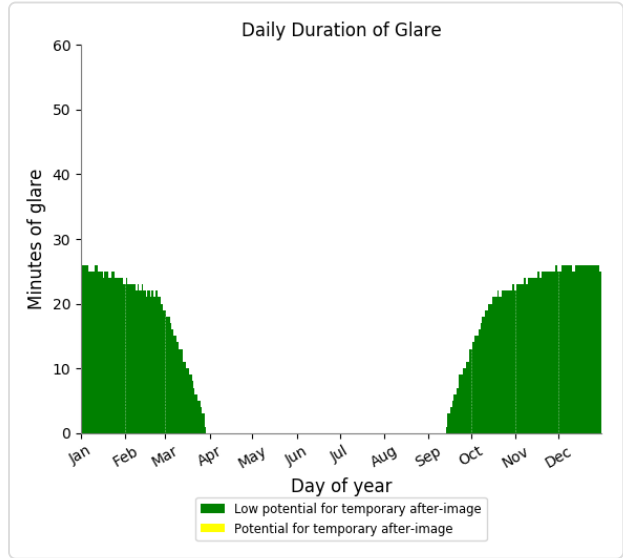
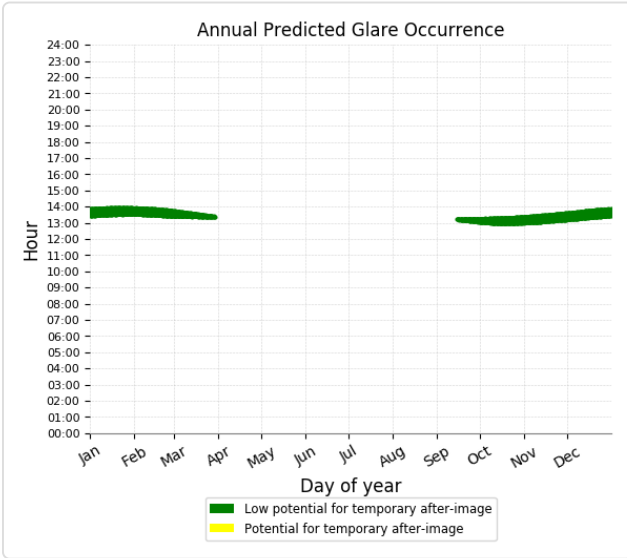
106 - Route Receptor (Thomas Road Braeburn Court)

No glare found

106 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 3,947 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	18397	0

107 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

107 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

107 - Receptor (Hornback Airstrip Northbound)

No glare found

107 - Receptor (Hornback Airstrip Southbound)

No glare found

107 - Receptor (Oz Airport NE Bound)

No glare found

107 - Receptor (Oz Airport SW Bound)

No glare found

107 - Receptor (Vine Grove Airport NW Bound)

No glare found

107 - Receptor (Vine Grove Airport SE Bound)

No glare found

107 - OP Receptor (OP 1)

No glare found

107 - OP Receptor (OP 2)

No glare found

107 - OP Receptor (OP 3)

No glare found

107 - OP Receptor (OP 4)

No glare found

107 - OP Receptor (OP 5)

No glare found

107 - OP Receptor (OP 6)

No glare found

107 - OP Receptor (OP 7)

No glare found

107 - OP Receptor (OP 8)

No glare found

107 - OP Receptor (OP 9)

No glare found

107 - OP Receptor (OP 10)

No glare found

107 - OP Receptor (OP 11)

No glare found

107 - OP Receptor (OP 12)

No glare found

107 - OP Receptor (OP 13)

No glare found

107 - OP Receptor (OP 14)

No glare found

107 - OP Receptor (OP 15)

No glare found

107 - OP Receptor (OP 16)

No glare found

107 - OP Receptor (OP 17)

No glare found

107 - OP Receptor (OP 18)

No glare found

107 - OP Receptor (OP 19)

No glare found

107 - OP Receptor (OP 20)

No glare found

107 - OP Receptor (OP 21)

No glare found

107 - OP Receptor (OP 22)

No glare found

107 - OP Receptor (OP 23)

No glare found

107 - OP Receptor (OP 24)

No glare found

107 - OP Receptor (OP 25)

No glare found

107 - OP Receptor (OP 26)

No glare found

107 - OP Receptor (OP 27)

No glare found

107 - OP Receptor (OP 28)

No glare found

107 - OP Receptor (OP 29)

No glare found

107 - OP Receptor (OP 30)

No glare found

107 - OP Receptor (OP 31)

No glare found

107 - OP Receptor (OP 32)

No glare found

107 - OP Receptor (OP 33)

No glare found

107 - OP Receptor (OP 34)

No glare found

107 - OP Receptor (OP 35)

No glare found

107 - OP Receptor (OP 36)

No glare found

107 - OP Receptor (OP 37)

No glare found

107 - OP Receptor (OP 38)

No glare found

107 - OP Receptor (OP 39)

No glare found

107 - OP Receptor (OP 40)

No glare found

107 - Route Receptor (Aiden Lane)

No glare found

107 - Route Receptor (Alcott Court Arden Court)

No glare found

107 - Route Receptor (Canton Road)

No glare found

107 - Route Receptor (Cecelia Road)

No glare found

107 - Route Receptor (Damson Trail)

No glare found

107 - Route Receptor (Goodman Lane)

No glare found

107 - Route Receptor (Hayden School Road)

No glare found

107 - Route Receptor (Hopewell Court Radford Court)

No glare found

107 - Route Receptor (Kitty Hawk Drive)

No glare found

107 - Route Receptor (St John Road)

No glare found

107 - Route Receptor (Thomas Cecelia road)

No glare found

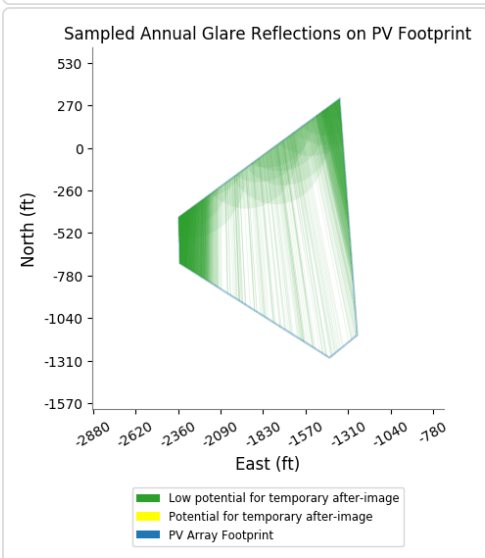
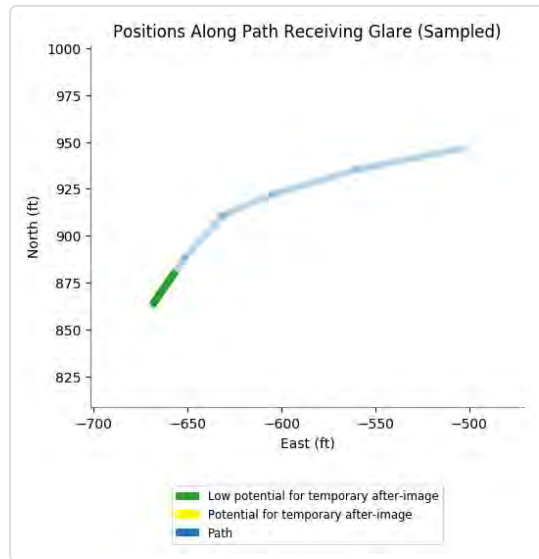
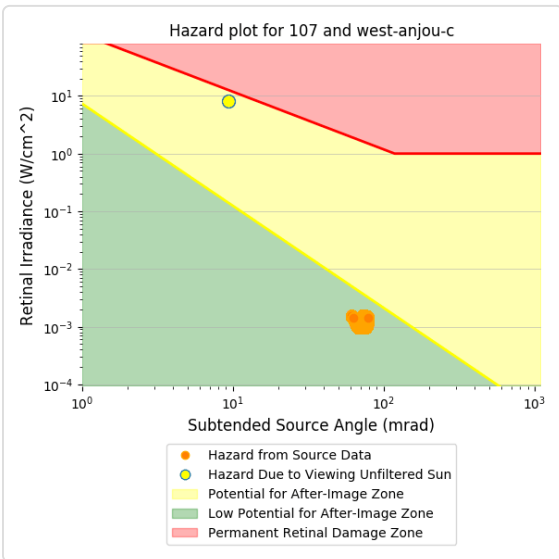
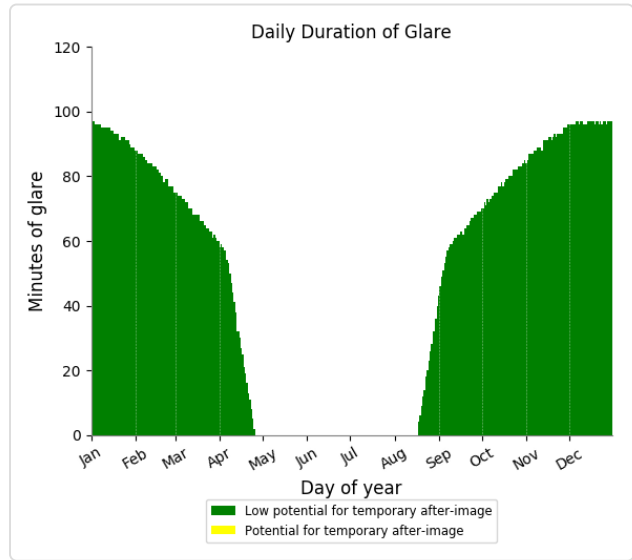
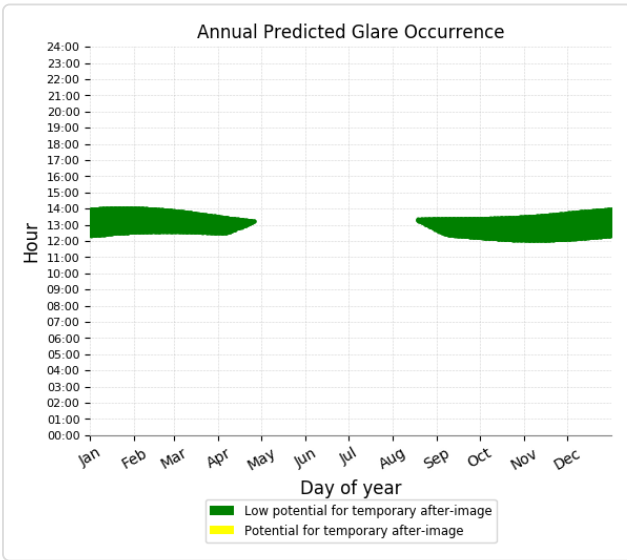
107 - Route Receptor (Thomas Road Braeburn Court)

No glare found

107 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 18,397 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	18908	0

108 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

108 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

108 - Receptor (Hornback Airstrip Northbound)

No glare found

108 - Receptor (Hornback Airstrip Southbound)

No glare found

108 - Receptor (Oz Airport NE Bound)

No glare found

108 - Receptor (Oz Airport SW Bound)

No glare found

108 - Receptor (Vine Grove Airport NW Bound)

No glare found

108 - Receptor (Vine Grove Airport SE Bound)

No glare found

108 - OP Receptor (OP 1)

No glare found

108 - OP Receptor (OP 2)

No glare found

108 - OP Receptor (OP 3)

No glare found

108 - OP Receptor (OP 4)

No glare found

108 - OP Receptor (OP 5)

No glare found

108 - OP Receptor (OP 6)

No glare found

108 - OP Receptor (OP 7)

No glare found

108 - OP Receptor (OP 8)

No glare found

108 - OP Receptor (OP 9)

No glare found

108 - OP Receptor (OP 10)

No glare found

108 - OP Receptor (OP 11)

No glare found

108 - OP Receptor (OP 12)

No glare found

108 - OP Receptor (OP 13)

No glare found

108 - OP Receptor (OP 14)

No glare found

108 - OP Receptor (OP 15)

No glare found

108 - OP Receptor (OP 16)

No glare found

108 - OP Receptor (OP 17)

No glare found

108 - OP Receptor (OP 18)

No glare found

108 - OP Receptor (OP 19)

No glare found

108 - OP Receptor (OP 20)

No glare found

108 - OP Receptor (OP 21)

No glare found

108 - OP Receptor (OP 22)

No glare found

108 - OP Receptor (OP 23)

No glare found

108 - OP Receptor (OP 24)

No glare found

108 - OP Receptor (OP 25)

No glare found

108 - OP Receptor (OP 26)

No glare found

108 - OP Receptor (OP 27)

No glare found

108 - OP Receptor (OP 28)

No glare found

108 - OP Receptor (OP 29)

No glare found

108 - OP Receptor (OP 30)

No glare found

108 - OP Receptor (OP 31)

No glare found

108 - OP Receptor (OP 32)

No glare found

108 - OP Receptor (OP 33)

No glare found

108 - OP Receptor (OP 34)

No glare found

108 - OP Receptor (OP 35)

No glare found

108 - OP Receptor (OP 36)

No glare found

108 - OP Receptor (OP 37)

No glare found

108 - OP Receptor (OP 38)

No glare found

108 - OP Receptor (OP 39)

No glare found

108 - OP Receptor (OP 40)

No glare found

108 - Route Receptor (Aiden Lane)

No glare found

108 - Route Receptor (Alcott Court Arden Court)

No glare found

108 - Route Receptor (Canton Road)

No glare found

108 - Route Receptor (Cecelia Road)

No glare found

108 - Route Receptor (Damson Trail)

No glare found

108 - Route Receptor (Goodman Lane)

No glare found

108 - Route Receptor (Hayden School Road)

No glare found

108 - Route Receptor (Hopewell Court Radford Court)

No glare found

108 - Route Receptor (Kitty Hawk Drive)

No glare found

108 - Route Receptor (St John Road)

No glare found

108 - Route Receptor (Thomas Cecelia road)

No glare found

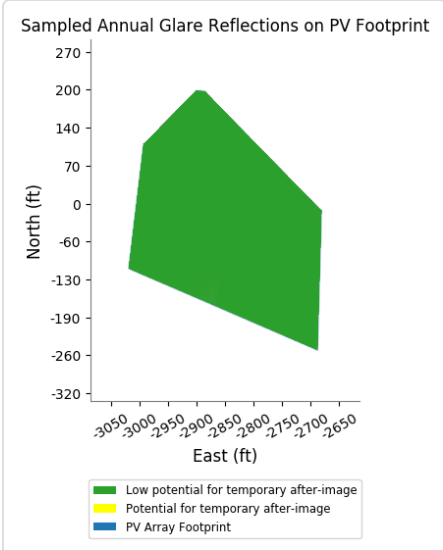
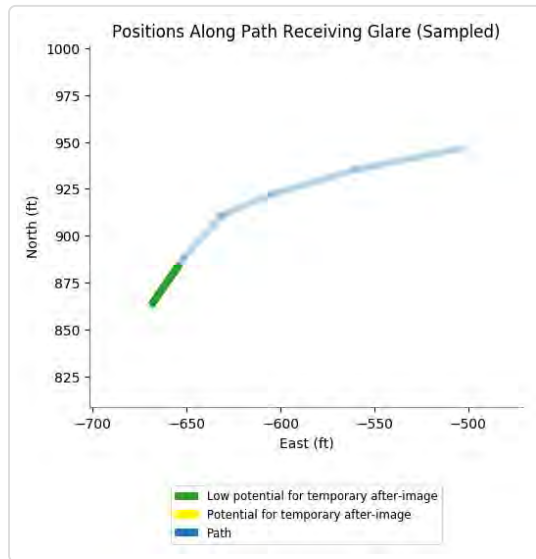
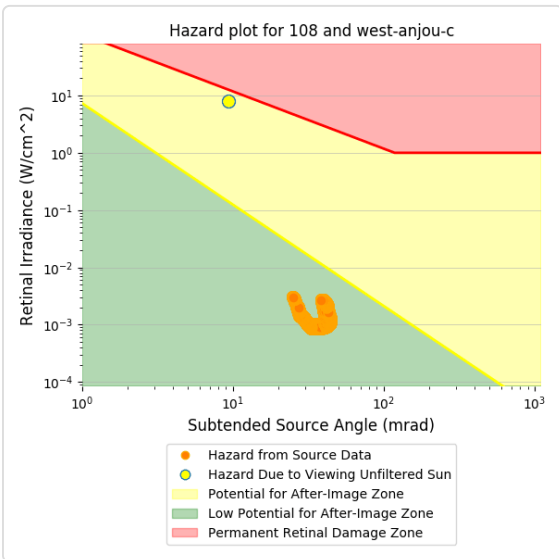
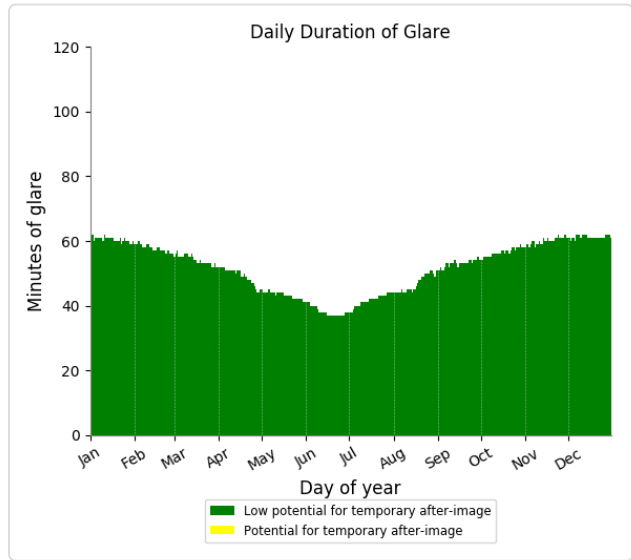
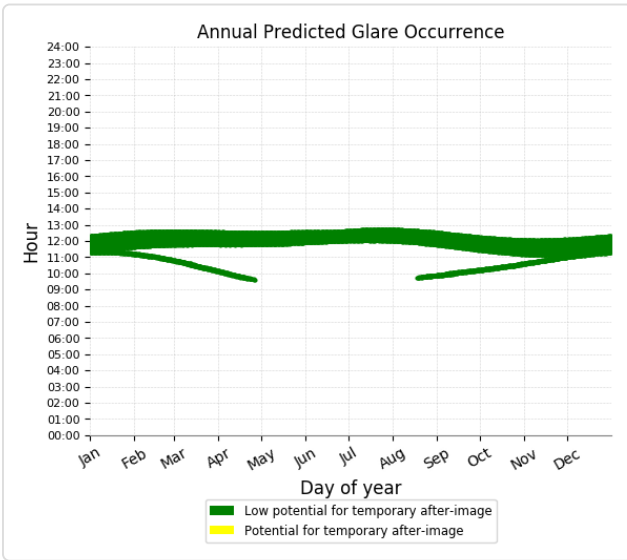
108 - Route Receptor (Thomas Road Braeburn Court)

No glare found

108 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 18,908 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	33416	0

109 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

109 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

109 - Receptor (Hornback Airstrip Northbound)

No glare found

109 - Receptor (Hornback Airstrip Southbound)

No glare found

109 - Receptor (Oz Airport NE Bound)

No glare found

109 - Receptor (Oz Airport SW Bound)

No glare found

109 - Receptor (Vine Grove Airport NW Bound)

No glare found

109 - Receptor (Vine Grove Airport SE Bound)

No glare found

109 - OP Receptor (OP 1)

No glare found

109 - OP Receptor (OP 2)

No glare found

109 - OP Receptor (OP 3)

No glare found

109 - OP Receptor (OP 4)

No glare found

109 - OP Receptor (OP 5)

No glare found

109 - OP Receptor (OP 6)

No glare found

109 - OP Receptor (OP 7)

No glare found

109 - OP Receptor (OP 8)

No glare found

109 - OP Receptor (OP 9)

No glare found

109 - OP Receptor (OP 10)

No glare found

109 - OP Receptor (OP 11)

No glare found

109 - OP Receptor (OP 12)

No glare found

109 - OP Receptor (OP 13)

No glare found

109 - OP Receptor (OP 14)

No glare found

109 - OP Receptor (OP 15)

No glare found

109 - OP Receptor (OP 16)

No glare found

109 - OP Receptor (OP 17)

No glare found

109 - OP Receptor (OP 18)

No glare found

109 - OP Receptor (OP 19)

No glare found

109 - OP Receptor (OP 20)

No glare found

109 - OP Receptor (OP 21)

No glare found

109 - OP Receptor (OP 22)

No glare found

109 - OP Receptor (OP 23)

No glare found

109 - OP Receptor (OP 24)

No glare found

109 - OP Receptor (OP 25)

No glare found

109 - OP Receptor (OP 26)

No glare found

109 - OP Receptor (OP 27)

No glare found

109 - OP Receptor (OP 28)

No glare found

109 - OP Receptor (OP 29)

No glare found

109 - OP Receptor (OP 30)

No glare found

109 - OP Receptor (OP 31)

No glare found

109 - OP Receptor (OP 32)

No glare found

109 - OP Receptor (OP 33)

No glare found

109 - OP Receptor (OP 34)

No glare found

109 - OP Receptor (OP 35)

No glare found

109 - OP Receptor (OP 36)

No glare found

109 - OP Receptor (OP 37)

No glare found

109 - OP Receptor (OP 38)

No glare found

109 - OP Receptor (OP 39)

No glare found

109 - OP Receptor (OP 40)

No glare found

109 - Route Receptor (Aiden Lane)

No glare found

109 - Route Receptor (Alcott Court Arden Court)

No glare found

109 - Route Receptor (Canton Road)

No glare found

109 - Route Receptor (Cecelia Road)

No glare found

109 - Route Receptor (Damson Trail)

No glare found

109 - Route Receptor (Goodman Lane)

No glare found

109 - Route Receptor (Hayden School Road)

No glare found

109 - Route Receptor (Hopewell Court Radford Court)

No glare found

109 - Route Receptor (Kitty Hawk Drive)

No glare found

109 - Route Receptor (St John Road)

No glare found

109 - Route Receptor (Thomas Cecelia road)

No glare found

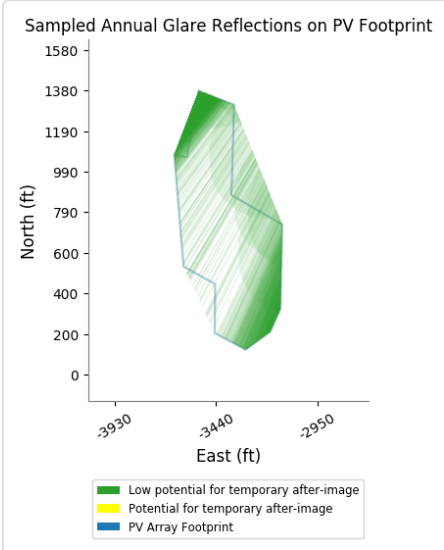
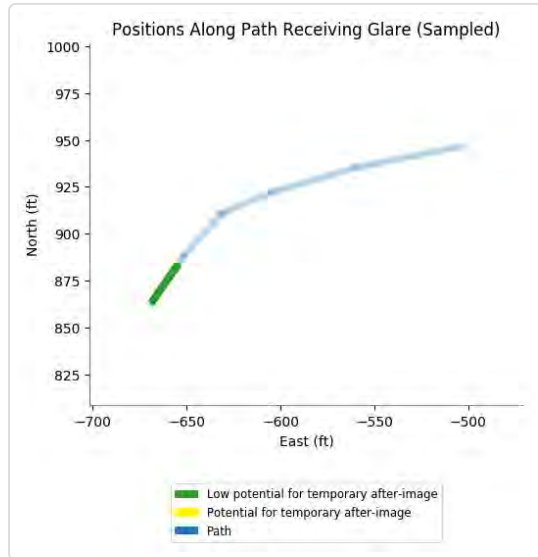
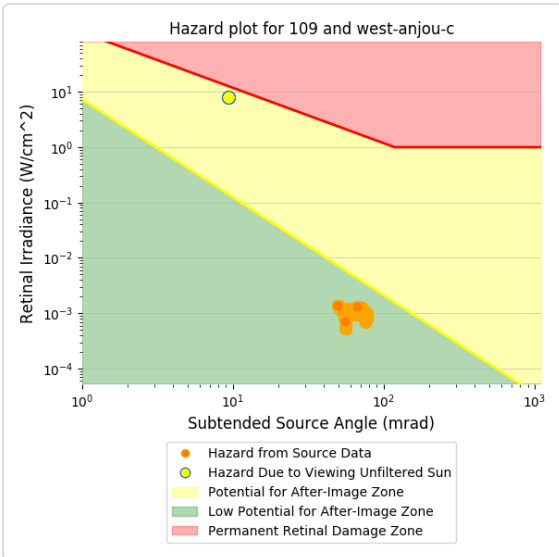
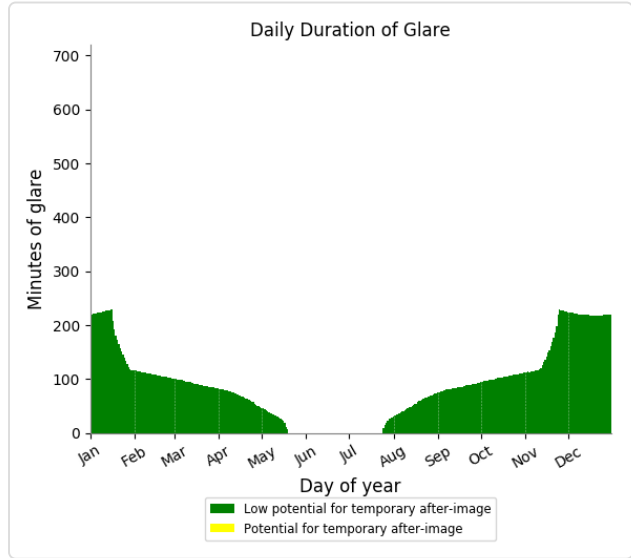
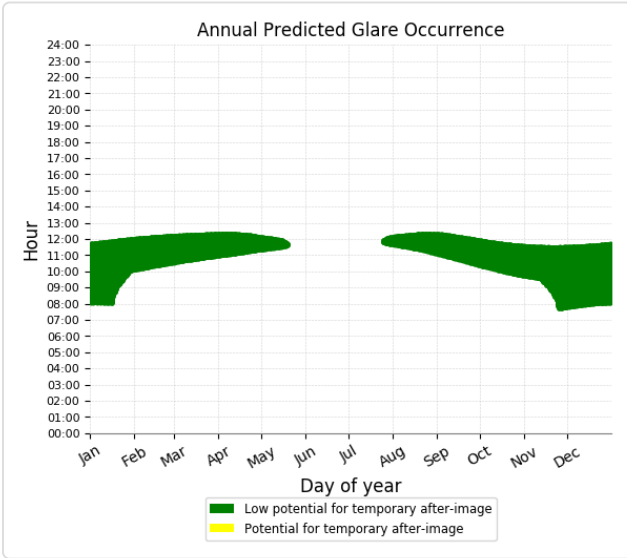
109 - Route Receptor (Thomas Road Braeburn Court)

No glare found

109 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 33,416 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



110 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	55982	0

110 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

110 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

110 - Receptor (Hornback Airstrip Northbound)

No glare found

110 - Receptor (Hornback Airstrip Southbound)

No glare found

110 - Receptor (Oz Airport NE Bound)

No glare found

110 - Receptor (Oz Airport SW Bound)

No glare found

110 - Receptor (Vine Grove Airport NW Bound)

No glare found

110 - Receptor (Vine Grove Airport SE Bound)

No glare found

110 - OP Receptor (OP 1)

No glare found

110 - OP Receptor (OP 2)

No glare found

110 - OP Receptor (OP 3)

No glare found

110 - OP Receptor (OP 4)

No glare found

110 - OP Receptor (OP 5)

No glare found

110 - OP Receptor (OP 6)

No glare found

110 - OP Receptor (OP 7)

No glare found

110 - OP Receptor (OP 8)

No glare found

110 - OP Receptor (OP 9)

No glare found

110 - OP Receptor (OP 10)

No glare found

110 - OP Receptor (OP 11)

No glare found

110 - OP Receptor (OP 12)

No glare found

110 - OP Receptor (OP 13)

No glare found

110 - OP Receptor (OP 14)

No glare found

110 - OP Receptor (OP 15)

No glare found

110 - OP Receptor (OP 16)

No glare found

110 - OP Receptor (OP 17)

No glare found

110 - OP Receptor (OP 18)

No glare found

110 - OP Receptor (OP 19)

No glare found

110 - OP Receptor (OP 20)

No glare found

110 - OP Receptor (OP 21)

No glare found

110 - OP Receptor (OP 22)

No glare found

110 - OP Receptor (OP 23)

No glare found

110 - OP Receptor (OP 24)

No glare found

110 - OP Receptor (OP 25)

No glare found

110 - OP Receptor (OP 26)

No glare found

110 - OP Receptor (OP 27)

No glare found

110 - OP Receptor (OP 28)

No glare found

110 - OP Receptor (OP 29)

No glare found

110 - OP Receptor (OP 30)

No glare found

110 - OP Receptor (OP 31)

No glare found

110 - OP Receptor (OP 32)

No glare found

110 - OP Receptor (OP 33)

No glare found

110 - OP Receptor (OP 34)

No glare found

110 - OP Receptor (OP 35)

No glare found

110 - OP Receptor (OP 36)

No glare found

110 - OP Receptor (OP 37)

No glare found

110 - OP Receptor (OP 38)

No glare found

110 - OP Receptor (OP 39)

No glare found

110 - OP Receptor (OP 40)

No glare found

110 - Route Receptor (Aiden Lane)

No glare found

110 - Route Receptor (Alcott Court Arden Court)

No glare found

110 - Route Receptor (Canton Road)

No glare found

110 - Route Receptor (Cecelia Road)

No glare found

110 - Route Receptor (Damson Trail)

No glare found

110 - Route Receptor (Goodman Lane)

No glare found

110 - Route Receptor (Hayden School Road)

No glare found

110 - Route Receptor (Hopewell Court Radford Court)

No glare found

110 - Route Receptor (Kitty Hawk Drive)

No glare found

110 - Route Receptor (St John Road)

No glare found

110 - Route Receptor (Thomas Cecelia road)

No glare found

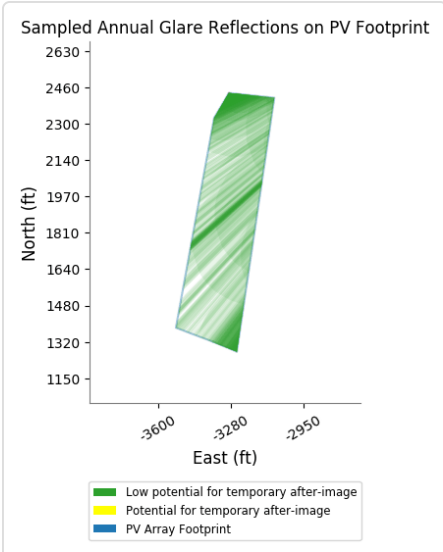
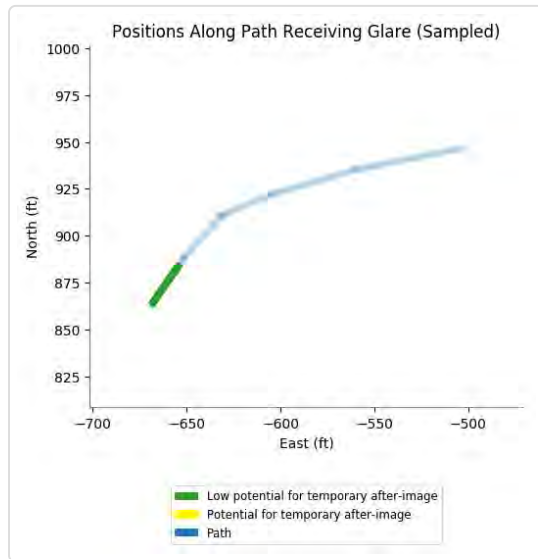
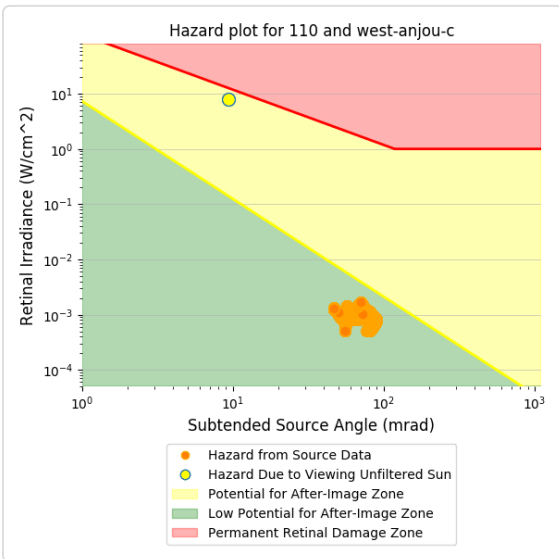
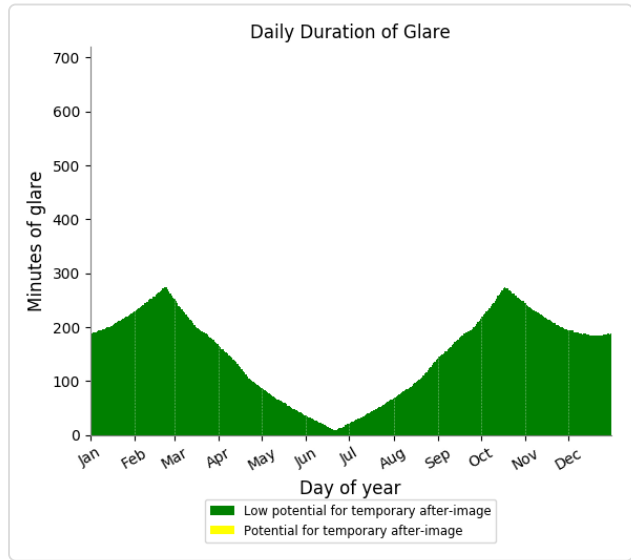
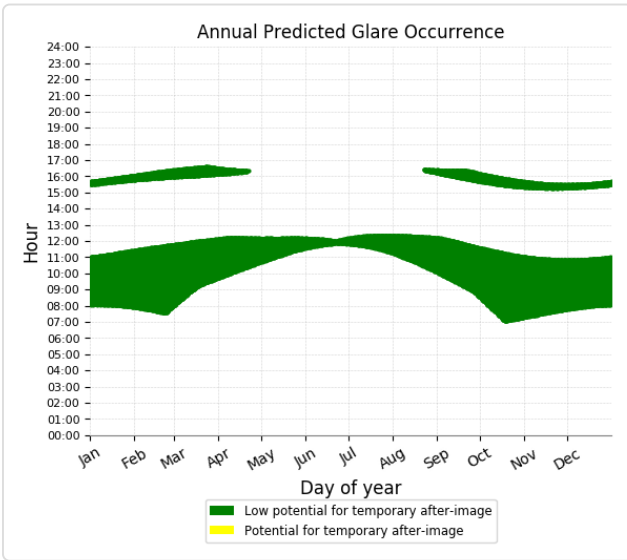
110 - Route Receptor (Thomas Road Braeburn Court)

No glare found

110 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 55,982 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



111 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	18856	0

111 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

111 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

111 - Receptor (Hornback Airstrip Northbound)

No glare found

111 - Receptor (Hornback Airstrip Southbound)

No glare found

111 - Receptor (Oz Airport NE Bound)

No glare found

111 - Receptor (Oz Airport SW Bound)

No glare found

111 - Receptor (Vine Grove Airport NW Bound)

No glare found

111 - Receptor (Vine Grove Airport SE Bound)

No glare found

111 - OP Receptor (OP 1)

No glare found

111 - OP Receptor (OP 2)

No glare found

111 - OP Receptor (OP 3)

No glare found

111 - OP Receptor (OP 4)

No glare found

111 - OP Receptor (OP 5)

No glare found

111 - OP Receptor (OP 6)

No glare found

111 - OP Receptor (OP 7)

No glare found

111 - OP Receptor (OP 8)

No glare found

111 - OP Receptor (OP 9)

No glare found

111 - OP Receptor (OP 10)

No glare found

111 - OP Receptor (OP 11)

No glare found

111 - OP Receptor (OP 12)

No glare found

111 - OP Receptor (OP 13)

No glare found

111 - OP Receptor (OP 14)

No glare found

111 - OP Receptor (OP 15)

No glare found

111 - OP Receptor (OP 16)

No glare found

111 - OP Receptor (OP 17)

No glare found

111 - OP Receptor (OP 18)

No glare found

111 - OP Receptor (OP 19)

No glare found

111 - OP Receptor (OP 20)

No glare found

111 - OP Receptor (OP 21)

No glare found

111 - OP Receptor (OP 22)

No glare found

111 - OP Receptor (OP 23)

No glare found

111 - OP Receptor (OP 24)

No glare found

111 - OP Receptor (OP 25)

No glare found

111 - OP Receptor (OP 26)

No glare found

111 - OP Receptor (OP 27)

No glare found

111 - OP Receptor (OP 28)

No glare found

111 - OP Receptor (OP 29)

No glare found

111 - OP Receptor (OP 30)

No glare found

111 - OP Receptor (OP 31)

No glare found

111 - OP Receptor (OP 32)

No glare found

111 - OP Receptor (OP 33)

No glare found

111 - OP Receptor (OP 34)

No glare found

111 - OP Receptor (OP 35)

No glare found

111 - OP Receptor (OP 36)

No glare found

111 - OP Receptor (OP 37)

No glare found

111 - OP Receptor (OP 38)

No glare found

111 - OP Receptor (OP 39)

No glare found

111 - OP Receptor (OP 40)

No glare found

111 - Route Receptor (Aiden Lane)

No glare found

111 - Route Receptor (Alcott Court Arden Court)

No glare found

111 - Route Receptor (Canton Road)

No glare found

111 - Route Receptor (Cecelia Road)

No glare found

111 - Route Receptor (Damson Trail)

No glare found

111 - Route Receptor (Goodman Lane)

No glare found

111 - Route Receptor (Hayden School Road)

No glare found

111 - Route Receptor (Hopewell Court Radford Court)

No glare found

111 - Route Receptor (Kitty Hawk Drive)

No glare found

111 - Route Receptor (St John Road)

No glare found

111 - Route Receptor (Thomas Cecelia road)

No glare found

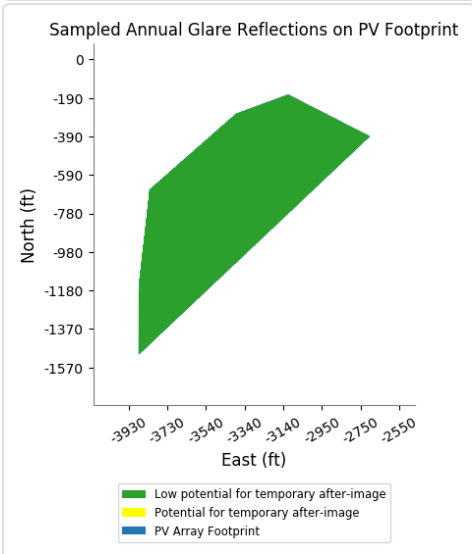
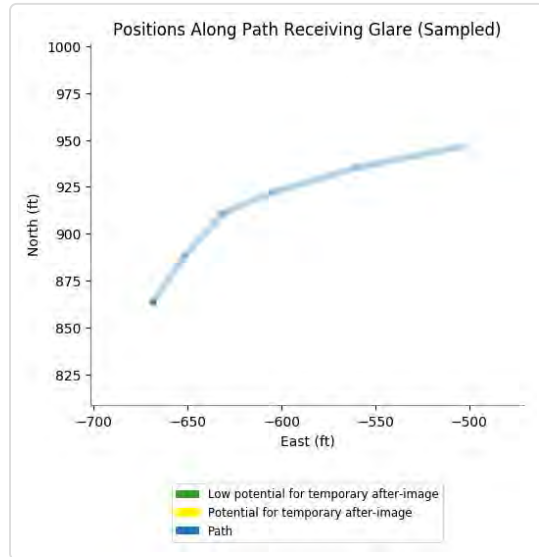
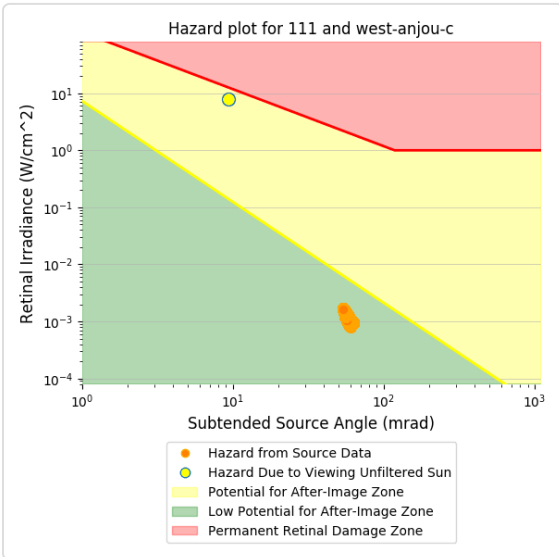
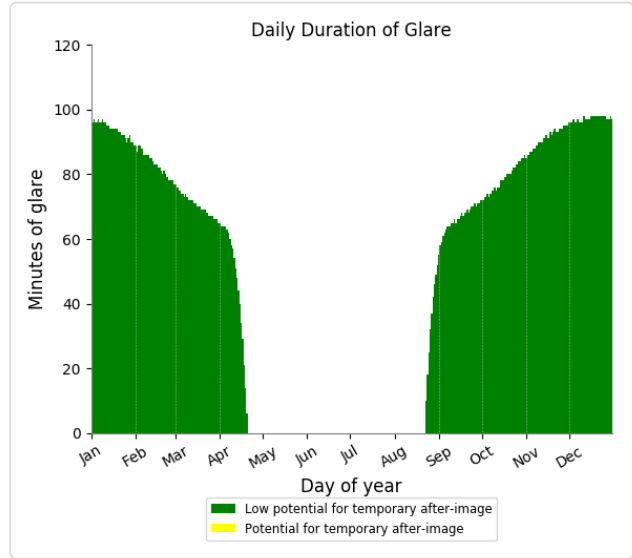
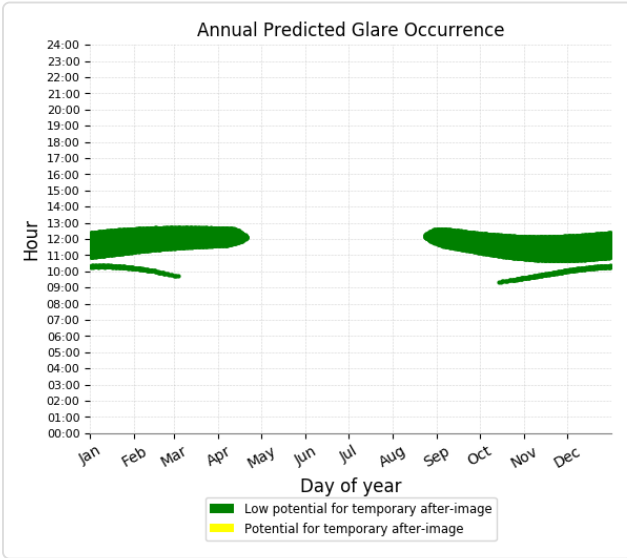
111 - Route Receptor (Thomas Road Braeburn Court)

No glare found

111 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 18,856 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



112 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	17291	0

112 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

112 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

112 - Receptor (Hornback Airstrip Northbound)

No glare found

112 - Receptor (Hornback Airstrip Southbound)

No glare found

112 - Receptor (Oz Airport NE Bound)

No glare found

112 - Receptor (Oz Airport SW Bound)

No glare found

112 - Receptor (Vine Grove Airport NW Bound)

No glare found

112 - Receptor (Vine Grove Airport SE Bound)

No glare found

112 - OP Receptor (OP 1)

No glare found

112 - OP Receptor (OP 2)

No glare found

112 - OP Receptor (OP 3)

No glare found

112 - OP Receptor (OP 4)

No glare found

112 - OP Receptor (OP 5)

No glare found

112 - OP Receptor (OP 6)

No glare found

112 - OP Receptor (OP 7)

No glare found

112 - OP Receptor (OP 8)

No glare found

112 - OP Receptor (OP 9)

No glare found

112 - OP Receptor (OP 10)

No glare found

112 - OP Receptor (OP 11)

No glare found

112 - OP Receptor (OP 12)

No glare found

112 - OP Receptor (OP 13)

No glare found

112 - OP Receptor (OP 14)

No glare found

112 - OP Receptor (OP 15)

No glare found

112 - OP Receptor (OP 16)

No glare found

112 - OP Receptor (OP 17)

No glare found

112 - OP Receptor (OP 18)

No glare found

112 - OP Receptor (OP 19)

No glare found

112 - OP Receptor (OP 20)

No glare found

112 - OP Receptor (OP 21)

No glare found

112 - OP Receptor (OP 22)

No glare found

112 - OP Receptor (OP 23)

No glare found

112 - OP Receptor (OP 24)

No glare found

112 - OP Receptor (OP 25)

No glare found

112 - OP Receptor (OP 26)

No glare found

112 - OP Receptor (OP 27)

No glare found

112 - OP Receptor (OP 28)

No glare found

112 - OP Receptor (OP 29)

No glare found

112 - OP Receptor (OP 30)

No glare found

112 - OP Receptor (OP 31)

No glare found

112 - OP Receptor (OP 32)

No glare found

112 - OP Receptor (OP 33)

No glare found

112 - OP Receptor (OP 34)

No glare found

112 - OP Receptor (OP 35)

No glare found

112 - OP Receptor (OP 36)

No glare found

112 - OP Receptor (OP 37)

No glare found

112 - OP Receptor (OP 38)

No glare found

112 - OP Receptor (OP 39)

No glare found

112 - OP Receptor (OP 40)

No glare found

112 - Route Receptor (Aiden Lane)

No glare found

112 - Route Receptor (Alcott Court Arden Court)

No glare found

112 - Route Receptor (Canton Road)

No glare found

112 - Route Receptor (Cecelia Road)

No glare found

112 - Route Receptor (Damson Trail)

No glare found

112 - Route Receptor (Goodman Lane)

No glare found

112 - Route Receptor (Hayden School Road)

No glare found

112 - Route Receptor (Hopewell Court Radford Court)

No glare found

112 - Route Receptor (Kitty Hawk Drive)

No glare found

112 - Route Receptor (St John Road)

No glare found

112 - Route Receptor (Thomas Cecelia road)

No glare found

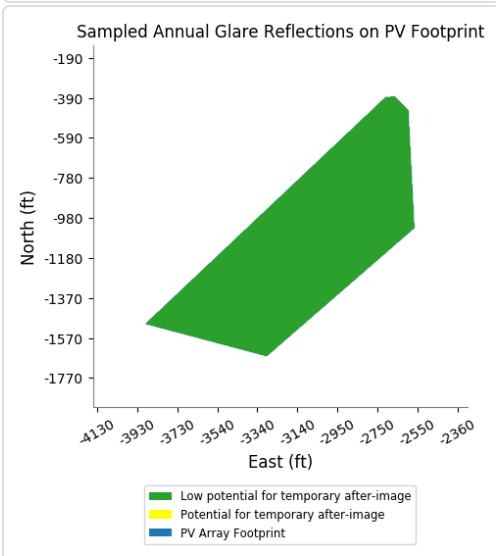
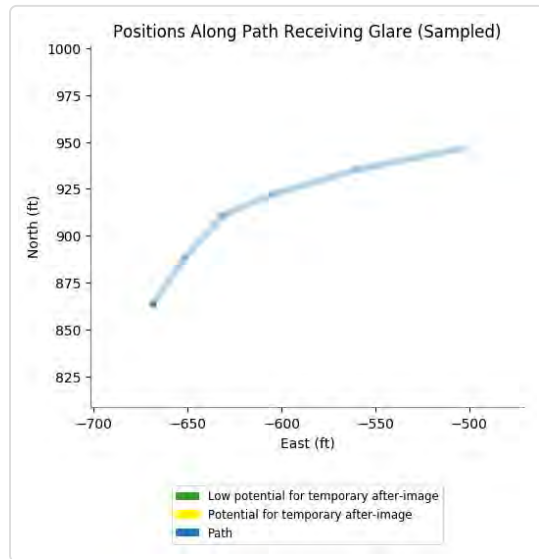
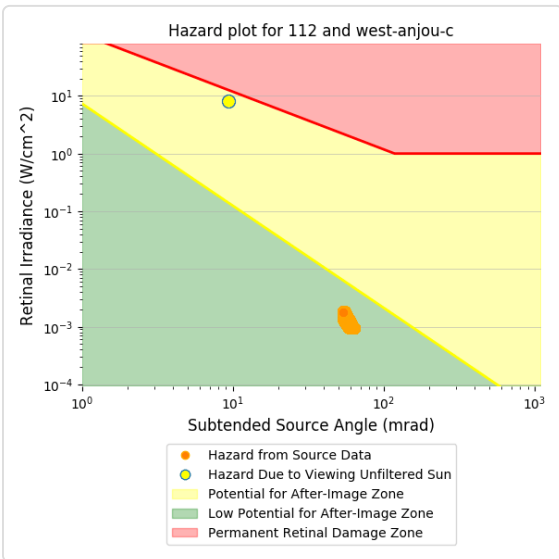
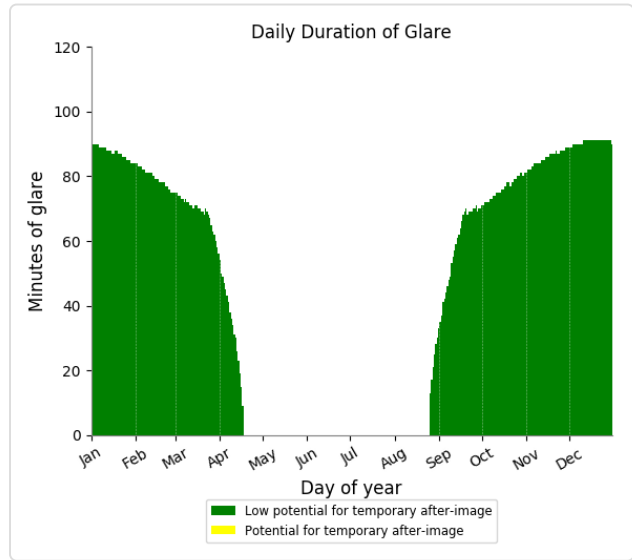
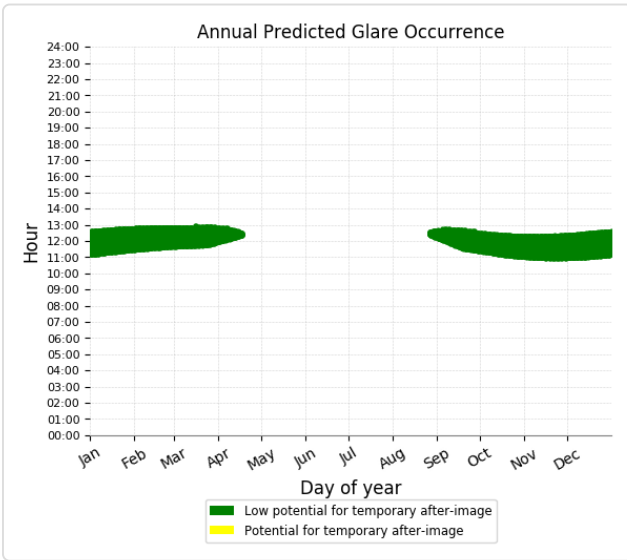
112 - Route Receptor (Thomas Road Braeburn Court)

No glare found

112 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 17,291 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



113 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	21068	0

113 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

113 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

113 - Receptor (Hornback Airstrip Northbound)

No glare found

113 - Receptor (Hornback Airstrip Southbound)

No glare found

113 - Receptor (Oz Airport NE Bound)

No glare found

113 - Receptor (Oz Airport SW Bound)

No glare found

113 - Receptor (Vine Grove Airport NW Bound)

No glare found

113 - Receptor (Vine Grove Airport SE Bound)

No glare found

113 - OP Receptor (OP 1)

No glare found

113 - OP Receptor (OP 2)

No glare found

113 - OP Receptor (OP 3)

No glare found

113 - OP Receptor (OP 4)

No glare found

113 - OP Receptor (OP 5)

No glare found

113 - OP Receptor (OP 6)

No glare found

113 - OP Receptor (OP 7)

No glare found

113 - OP Receptor (OP 8)

No glare found

113 - OP Receptor (OP 9)

No glare found

113 - OP Receptor (OP 10)

No glare found

113 - OP Receptor (OP 11)

No glare found

113 - OP Receptor (OP 12)

No glare found

113 - OP Receptor (OP 13)

No glare found

113 - OP Receptor (OP 14)

No glare found

113 - OP Receptor (OP 15)

No glare found

113 - OP Receptor (OP 16)

No glare found

113 - OP Receptor (OP 17)

No glare found

113 - OP Receptor (OP 18)

No glare found

113 - OP Receptor (OP 19)

No glare found

113 - OP Receptor (OP 20)

No glare found

113 - OP Receptor (OP 21)

No glare found

113 - OP Receptor (OP 22)

No glare found

113 - OP Receptor (OP 23)

No glare found

113 - OP Receptor (OP 24)

No glare found

113 - OP Receptor (OP 25)

No glare found

113 - OP Receptor (OP 26)

No glare found

113 - OP Receptor (OP 27)

No glare found

113 - OP Receptor (OP 28)

No glare found

113 - OP Receptor (OP 29)

No glare found

113 - OP Receptor (OP 30)

No glare found

113 - OP Receptor (OP 31)

No glare found

113 - OP Receptor (OP 32)

No glare found

113 - OP Receptor (OP 33)

No glare found

113 - OP Receptor (OP 34)

No glare found

113 - OP Receptor (OP 35)

No glare found

113 - OP Receptor (OP 36)

No glare found

113 - OP Receptor (OP 37)

No glare found

113 - OP Receptor (OP 38)

No glare found

113 - OP Receptor (OP 39)

No glare found

113 - OP Receptor (OP 40)

No glare found

113 - Route Receptor (Aiden Lane)

No glare found

113 - Route Receptor (Alcott Court Arden Court)

No glare found

113 - Route Receptor (Canton Road)

No glare found

113 - Route Receptor (Cecelia Road)

No glare found

113 - Route Receptor (Damson Trail)

No glare found

113 - Route Receptor (Goodman Lane)

No glare found

113 - Route Receptor (Hayden School Road)

No glare found

113 - Route Receptor (Hopewell Court Radford Court)

No glare found

113 - Route Receptor (Kitty Hawk Drive)

No glare found

113 - Route Receptor (St John Road)

No glare found

113 - Route Receptor (Thomas Cecelia road)

No glare found

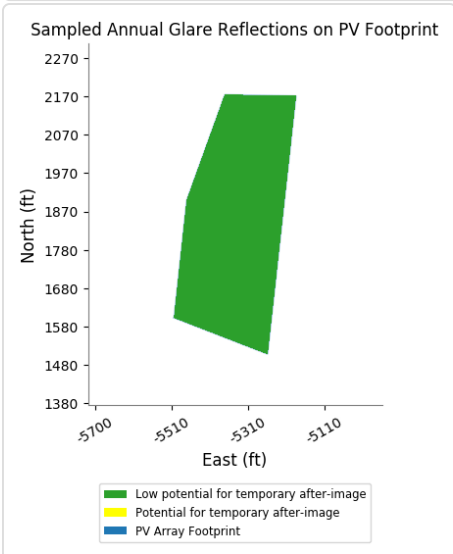
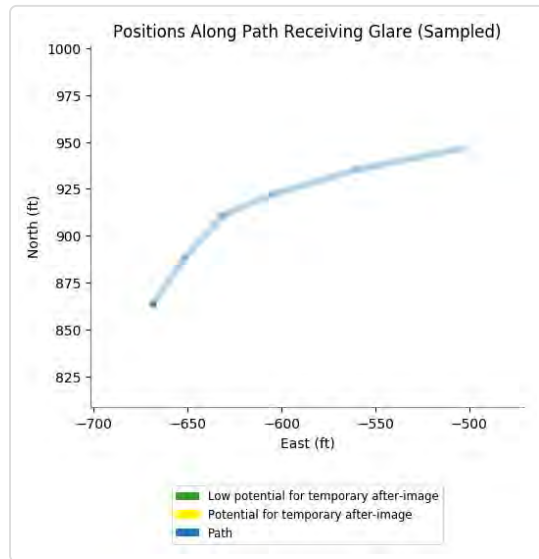
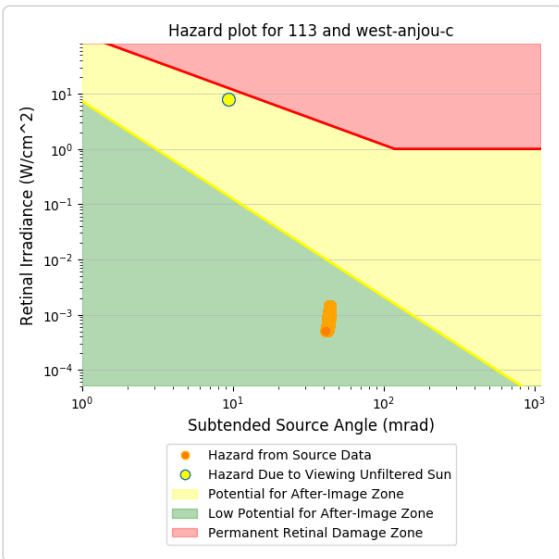
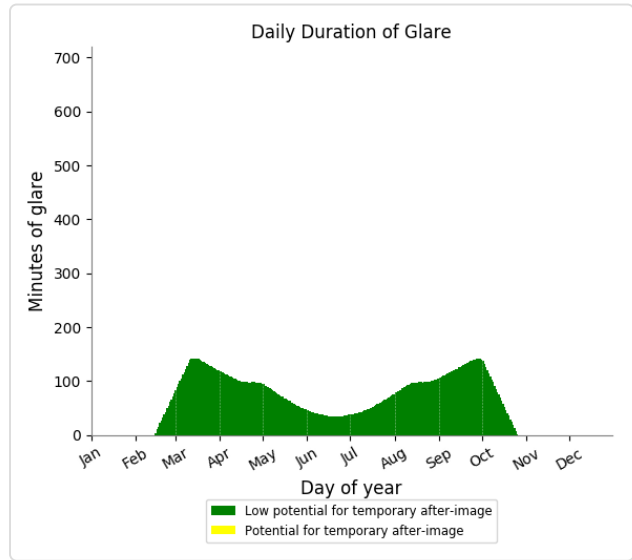
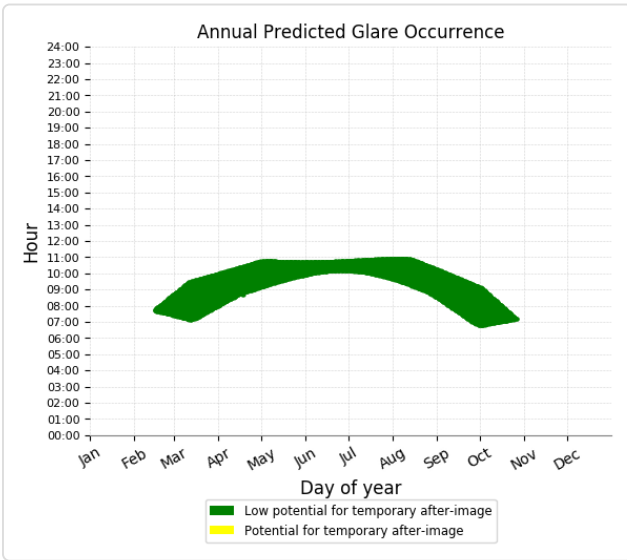
113 - Route Receptor (Thomas Road Braeburn Court)

No glare found

113 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 21,068 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	20349	0

114 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

114 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

114 - Receptor (Hornback Airstrip Northbound)

No glare found

114 - Receptor (Hornback Airstrip Southbound)

No glare found

114 - Receptor (Oz Airport NE Bound)

No glare found

114 - Receptor (Oz Airport SW Bound)

No glare found

114 - Receptor (Vine Grove Airport NW Bound)

No glare found

114 - Receptor (Vine Grove Airport SE Bound)

No glare found

114 - OP Receptor (OP 1)

No glare found

114 - OP Receptor (OP 2)

No glare found

114 - OP Receptor (OP 3)

No glare found

114 - OP Receptor (OP 4)

No glare found

114 - OP Receptor (OP 5)

No glare found

114 - OP Receptor (OP 6)

No glare found

114 - OP Receptor (OP 7)

No glare found

114 - OP Receptor (OP 8)

No glare found

114 - OP Receptor (OP 9)

No glare found

114 - OP Receptor (OP 10)

No glare found

114 - OP Receptor (OP 11)

No glare found

114 - OP Receptor (OP 12)

No glare found

114 - OP Receptor (OP 13)

No glare found

114 - OP Receptor (OP 14)

No glare found

114 - OP Receptor (OP 15)

No glare found

114 - OP Receptor (OP 16)

No glare found

114 - OP Receptor (OP 17)

No glare found

114 - OP Receptor (OP 18)

No glare found

114 - OP Receptor (OP 19)

No glare found

114 - OP Receptor (OP 20)

No glare found

114 - OP Receptor (OP 21)

No glare found

114 - OP Receptor (OP 22)

No glare found

114 - OP Receptor (OP 23)

No glare found

114 - OP Receptor (OP 24)

No glare found

114 - OP Receptor (OP 25)

No glare found

114 - OP Receptor (OP 26)

No glare found

114 - OP Receptor (OP 27)

No glare found

114 - OP Receptor (OP 28)

No glare found

114 - OP Receptor (OP 29)

No glare found

114 - OP Receptor (OP 30)

No glare found

114 - OP Receptor (OP 31)

No glare found

114 - OP Receptor (OP 32)

No glare found

114 - OP Receptor (OP 33)

No glare found

114 - OP Receptor (OP 34)

No glare found

114 - OP Receptor (OP 35)

No glare found

114 - OP Receptor (OP 36)

No glare found

114 - OP Receptor (OP 37)

No glare found

114 - OP Receptor (OP 38)

No glare found

114 - OP Receptor (OP 39)

No glare found

114 - OP Receptor (OP 40)

No glare found

114 - Route Receptor (Aiden Lane)

No glare found

114 - Route Receptor (Alcott Court Arden Court)

No glare found

114 - Route Receptor (Canton Road)

No glare found

114 - Route Receptor (Cecelia Road)

No glare found

114 - Route Receptor (Damson Trail)

No glare found

114 - Route Receptor (Goodman Lane)

No glare found

114 - Route Receptor (Hayden School Road)

No glare found

114 - Route Receptor (Hopewell Court Radford Court)

No glare found

114 - Route Receptor (Kitty Hawk Drive)

No glare found

114 - Route Receptor (St John Road)

No glare found

114 - Route Receptor (Thomas Cecelia road)

No glare found

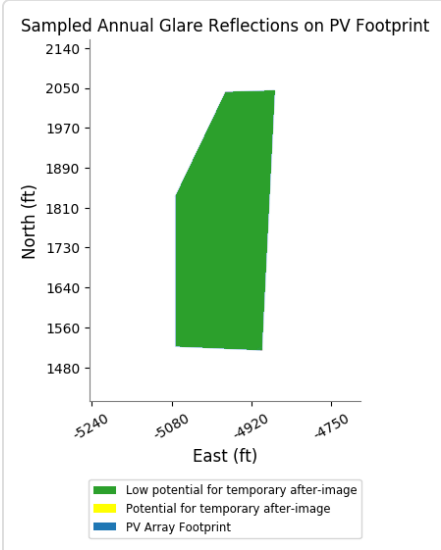
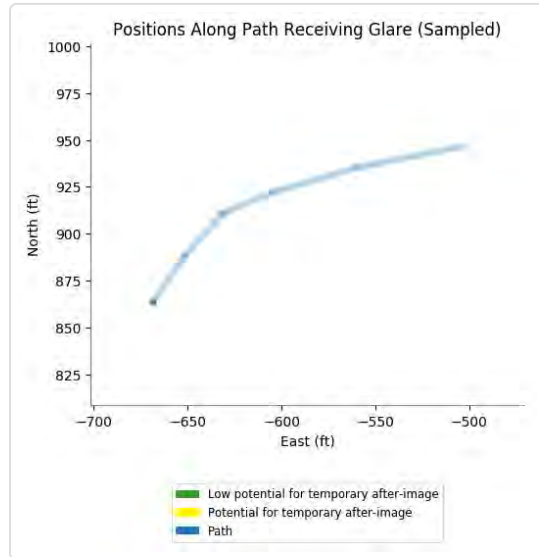
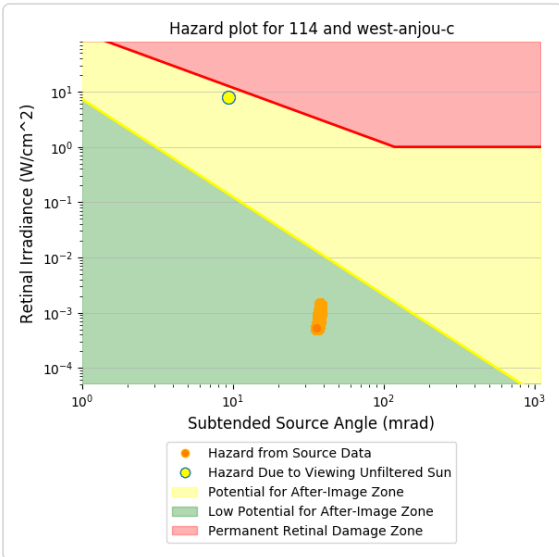
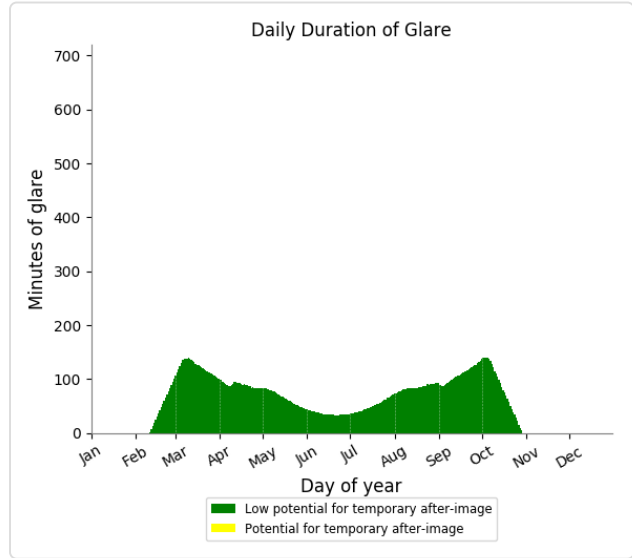
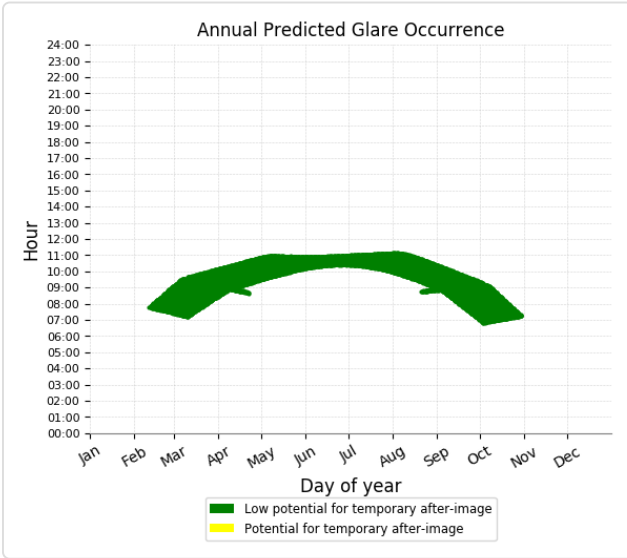
114 - Route Receptor (Thomas Road Braeburn Court)

No glare found

114 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 20,349 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
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OP: OP 28	0	0
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OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	26945	0

115 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

115 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

115 - Receptor (Hornback Airstrip Northbound)

No glare found

115 - Receptor (Hornback Airstrip Southbound)

No glare found

115 - Receptor (Oz Airport NE Bound)

No glare found

115 - Receptor (Oz Airport SW Bound)

No glare found

115 - Receptor (Vine Grove Airport NW Bound)

No glare found

115 - Receptor (Vine Grove Airport SE Bound)

No glare found

115 - OP Receptor (OP 1)

No glare found

115 - OP Receptor (OP 2)

No glare found

115 - OP Receptor (OP 3)

No glare found

115 - OP Receptor (OP 4)

No glare found

115 - OP Receptor (OP 5)

No glare found

115 - OP Receptor (OP 6)

No glare found

115 - OP Receptor (OP 7)

No glare found

115 - OP Receptor (OP 8)

No glare found

115 - OP Receptor (OP 9)

No glare found

115 - OP Receptor (OP 10)

No glare found

115 - OP Receptor (OP 11)

No glare found

115 - OP Receptor (OP 12)

No glare found

115 - OP Receptor (OP 13)

No glare found

115 - OP Receptor (OP 14)

No glare found

115 - OP Receptor (OP 15)

No glare found

115 - OP Receptor (OP 16)

No glare found

115 - OP Receptor (OP 17)

No glare found

115 - OP Receptor (OP 18)

No glare found

115 - OP Receptor (OP 19)

No glare found

115 - OP Receptor (OP 20)

No glare found

115 - OP Receptor (OP 21)

No glare found

115 - OP Receptor (OP 22)

No glare found

115 - OP Receptor (OP 23)

No glare found

115 - OP Receptor (OP 24)

No glare found

115 - OP Receptor (OP 25)

No glare found

115 - OP Receptor (OP 26)

No glare found

115 - OP Receptor (OP 27)

No glare found

115 - OP Receptor (OP 28)

No glare found

115 - OP Receptor (OP 29)

No glare found

115 - OP Receptor (OP 30)

No glare found

115 - OP Receptor (OP 31)

No glare found

115 - OP Receptor (OP 32)

No glare found

115 - OP Receptor (OP 33)

No glare found

115 - OP Receptor (OP 34)

No glare found

115 - OP Receptor (OP 35)

No glare found

115 - OP Receptor (OP 36)

No glare found

115 - OP Receptor (OP 37)

No glare found

115 - OP Receptor (OP 38)

No glare found

115 - OP Receptor (OP 39)

No glare found

115 - OP Receptor (OP 40)

No glare found

115 - Route Receptor (Aiden Lane)

No glare found

115 - Route Receptor (Alcott Court Arden Court)

No glare found

115 - Route Receptor (Canton Road)

No glare found

115 - Route Receptor (Cecelia Road)

No glare found

115 - Route Receptor (Damson Trail)

No glare found

115 - Route Receptor (Goodman Lane)

No glare found

115 - Route Receptor (Hayden School Road)

No glare found

115 - Route Receptor (Hopewell Court Radford Court)

No glare found

115 - Route Receptor (Kitty Hawk Drive)

No glare found

115 - Route Receptor (St John Road)

No glare found

115 - Route Receptor (Thomas Cecelia road)

No glare found

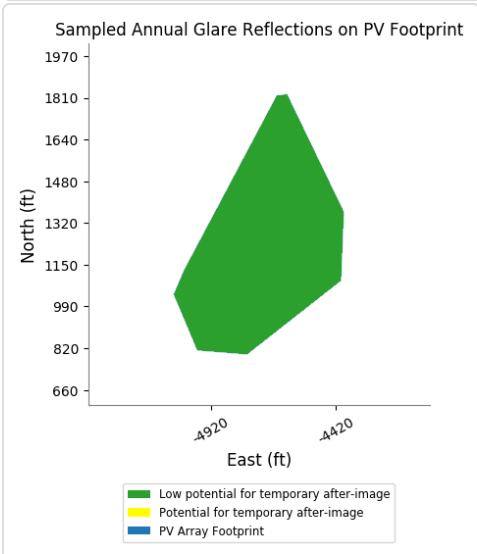
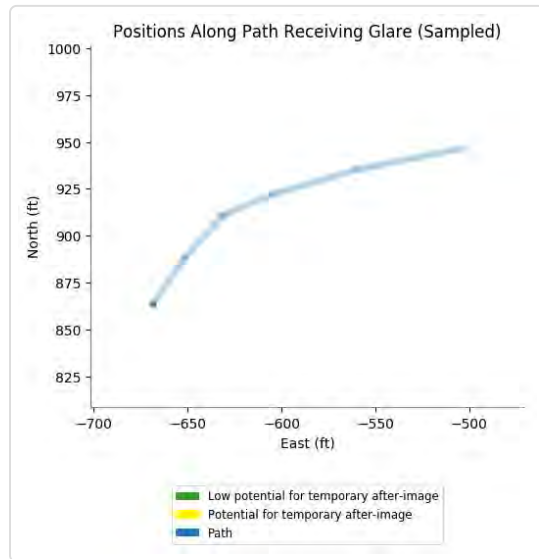
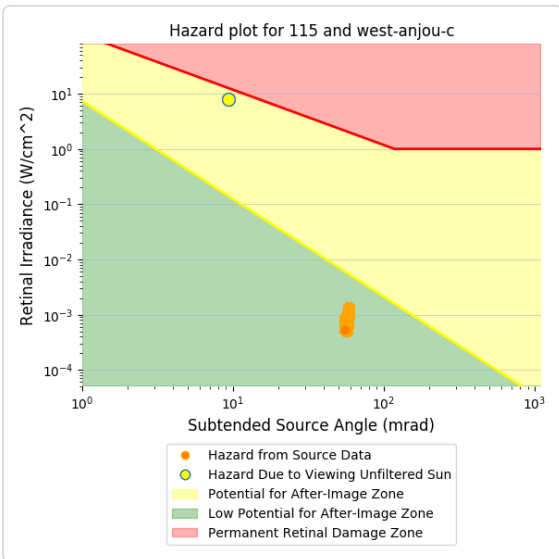
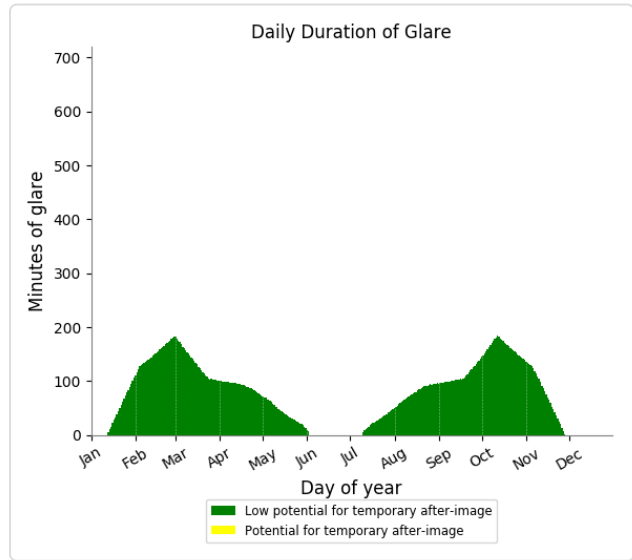
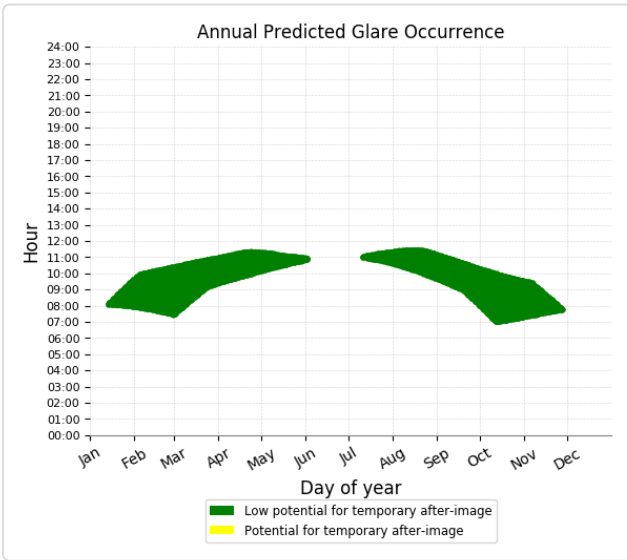
115 - Route Receptor (Thomas Road Braeburn Court)

No glare found

115 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 26,945 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	39202	0

116 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

116 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

116 - Receptor (Hornback Airstrip Northbound)

No glare found

116 - Receptor (Hornback Airstrip Southbound)

No glare found

116 - Receptor (Oz Airport NE Bound)

No glare found

116 - Receptor (Oz Airport SW Bound)

No glare found

116 - Receptor (Vine Grove Airport NW Bound)

No glare found

116 - Receptor (Vine Grove Airport SE Bound)

No glare found

116 - OP Receptor (OP 1)

No glare found

116 - OP Receptor (OP 2)

No glare found

116 - OP Receptor (OP 3)

No glare found

116 - OP Receptor (OP 4)

No glare found

116 - OP Receptor (OP 5)

No glare found

116 - OP Receptor (OP 6)

No glare found

116 - OP Receptor (OP 7)

No glare found

116 - OP Receptor (OP 8)

No glare found

116 - OP Receptor (OP 9)

No glare found

116 - OP Receptor (OP 10)

No glare found

116 - OP Receptor (OP 11)

No glare found

116 - OP Receptor (OP 12)

No glare found

116 - OP Receptor (OP 13)

No glare found

116 - OP Receptor (OP 14)

No glare found

116 - OP Receptor (OP 15)

No glare found

116 - OP Receptor (OP 16)

No glare found

116 - OP Receptor (OP 17)

No glare found

116 - OP Receptor (OP 18)

No glare found

116 - OP Receptor (OP 19)

No glare found

116 - OP Receptor (OP 20)

No glare found

116 - OP Receptor (OP 21)

No glare found

116 - OP Receptor (OP 22)

No glare found

116 - OP Receptor (OP 23)

No glare found

116 - OP Receptor (OP 24)

No glare found

116 - OP Receptor (OP 25)

No glare found

116 - OP Receptor (OP 26)

No glare found

116 - OP Receptor (OP 27)

No glare found

116 - OP Receptor (OP 28)

No glare found

116 - OP Receptor (OP 29)

No glare found

116 - OP Receptor (OP 30)

No glare found

116 - OP Receptor (OP 31)

No glare found

116 - OP Receptor (OP 32)

No glare found

116 - OP Receptor (OP 33)

No glare found

116 - OP Receptor (OP 34)

No glare found

116 - OP Receptor (OP 35)

No glare found

116 - OP Receptor (OP 36)

No glare found

116 - OP Receptor (OP 37)

No glare found

116 - OP Receptor (OP 38)

No glare found

116 - OP Receptor (OP 39)

No glare found

116 - OP Receptor (OP 40)

No glare found

116 - Route Receptor (Aiden Lane)

No glare found

116 - Route Receptor (Alcott Court Arden Court)

No glare found

116 - Route Receptor (Canton Road)

No glare found

116 - Route Receptor (Cecelia Road)

No glare found

116 - Route Receptor (Damson Trail)

No glare found

116 - Route Receptor (Goodman Lane)

No glare found

116 - Route Receptor (Hayden School Road)

No glare found

116 - Route Receptor (Hopewell Court Radford Court)

No glare found

116 - Route Receptor (Kitty Hawk Drive)

No glare found

116 - Route Receptor (St John Road)

No glare found

116 - Route Receptor (Thomas Cecelia road)

No glare found

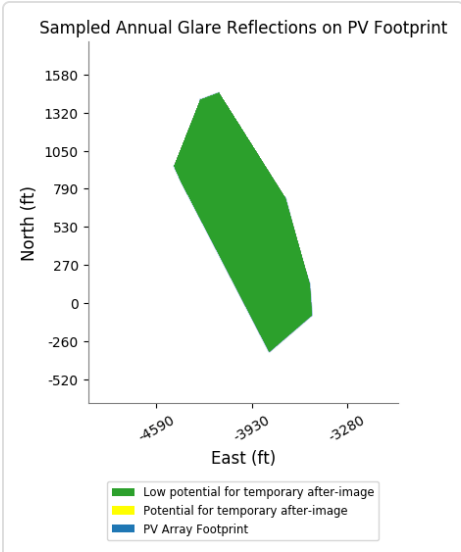
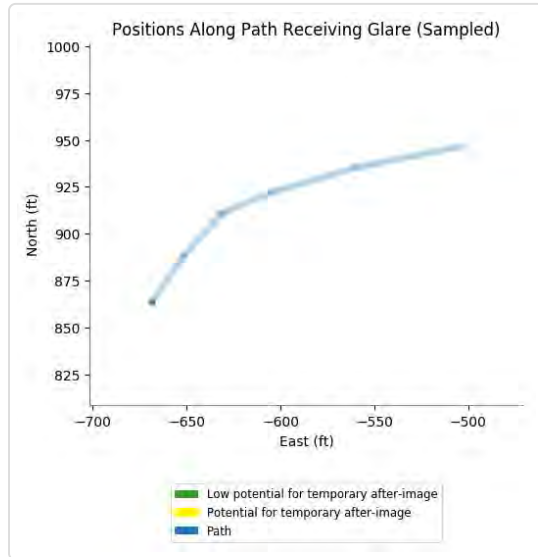
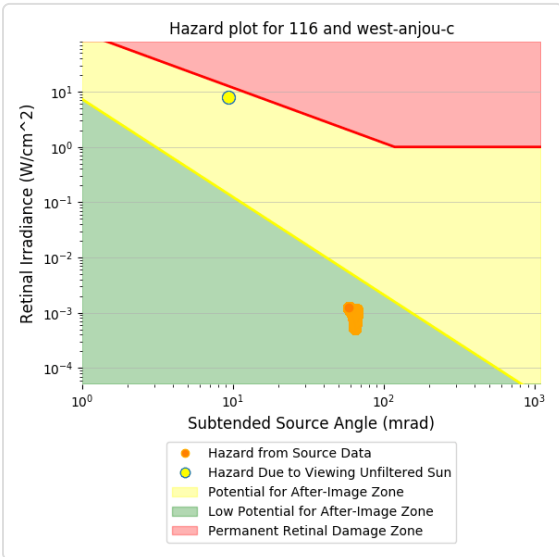
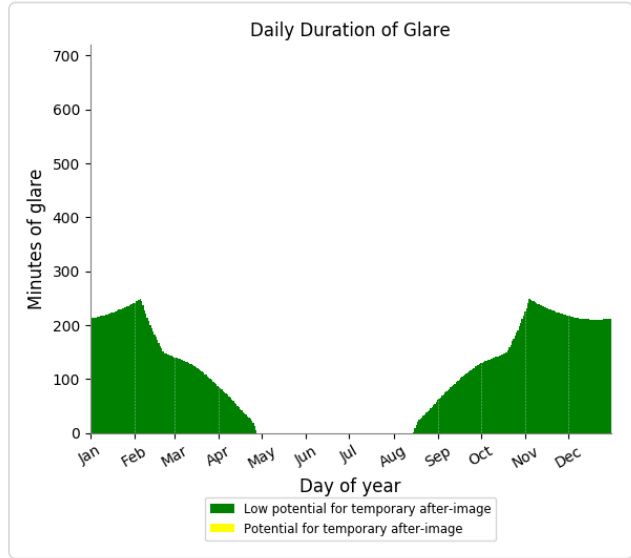
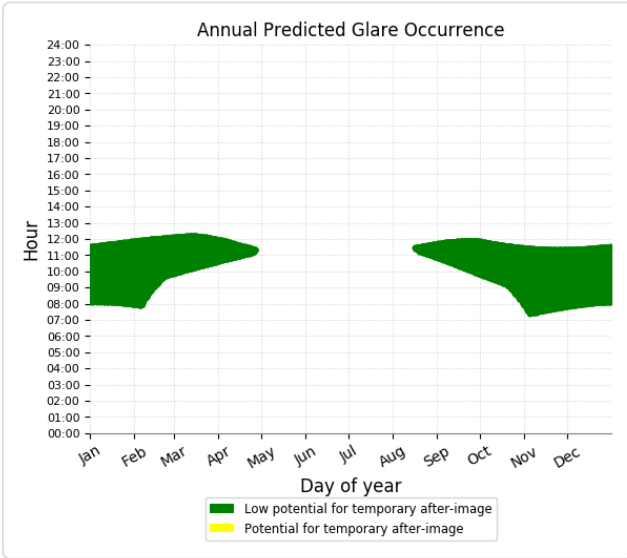
116 - Route Receptor (Thomas Road Braeburn Court)

No glare found

116 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 39,202 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	38046	0

117 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

117 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

117 - Receptor (Hornback Airstrip Northbound)

No glare found

117 - Receptor (Hornback Airstrip Southbound)

No glare found

117 - Receptor (Oz Airport NE Bound)

No glare found

117 - Receptor (Oz Airport SW Bound)

No glare found

117 - Receptor (Vine Grove Airport NW Bound)

No glare found

117 - Receptor (Vine Grove Airport SE Bound)

No glare found

117 - OP Receptor (OP 1)

No glare found

117 - OP Receptor (OP 2)

No glare found

117 - OP Receptor (OP 3)

No glare found

117 - OP Receptor (OP 4)

No glare found

117 - OP Receptor (OP 5)

No glare found

117 - OP Receptor (OP 6)

No glare found

117 - OP Receptor (OP 7)

No glare found

117 - OP Receptor (OP 8)

No glare found

117 - OP Receptor (OP 9)

No glare found

117 - OP Receptor (OP 10)

No glare found

117 - OP Receptor (OP 11)

No glare found

117 - OP Receptor (OP 12)

No glare found

117 - OP Receptor (OP 13)

No glare found

117 - OP Receptor (OP 14)

No glare found

117 - OP Receptor (OP 15)

No glare found

117 - OP Receptor (OP 16)

No glare found

117 - OP Receptor (OP 17)

No glare found

117 - OP Receptor (OP 18)

No glare found

117 - OP Receptor (OP 19)

No glare found

117 - OP Receptor (OP 20)

No glare found

117 - OP Receptor (OP 21)

No glare found

117 - OP Receptor (OP 22)

No glare found

117 - OP Receptor (OP 23)

No glare found

117 - OP Receptor (OP 24)

No glare found

117 - OP Receptor (OP 25)

No glare found

117 - OP Receptor (OP 26)

No glare found

117 - OP Receptor (OP 27)

No glare found

117 - OP Receptor (OP 28)

No glare found

117 - OP Receptor (OP 29)

No glare found

117 - OP Receptor (OP 30)

No glare found

117 - OP Receptor (OP 31)

No glare found

117 - OP Receptor (OP 32)

No glare found

117 - OP Receptor (OP 33)

No glare found

117 - OP Receptor (OP 34)

No glare found

117 - OP Receptor (OP 35)

No glare found

117 - OP Receptor (OP 36)

No glare found

117 - OP Receptor (OP 37)

No glare found

117 - OP Receptor (OP 38)

No glare found

117 - OP Receptor (OP 39)

No glare found

117 - OP Receptor (OP 40)

No glare found

117 - Route Receptor (Aiden Lane)

No glare found

117 - Route Receptor (Alcott Court Arden Court)

No glare found

117 - Route Receptor (Canton Road)

No glare found

117 - Route Receptor (Cecelia Road)

No glare found

117 - Route Receptor (Damson Trail)

No glare found

117 - Route Receptor (Goodman Lane)

No glare found

117 - Route Receptor (Hayden School Road)

No glare found

117 - Route Receptor (Hopewell Court Radford Court)

No glare found

117 - Route Receptor (Kitty Hawk Drive)

No glare found

117 - Route Receptor (St John Road)

No glare found

117 - Route Receptor (Thomas Cecelia road)

No glare found

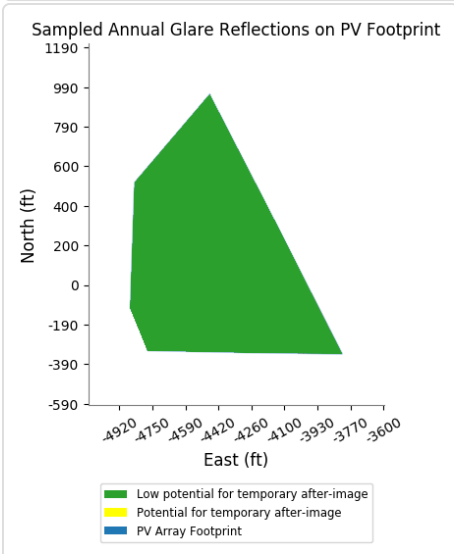
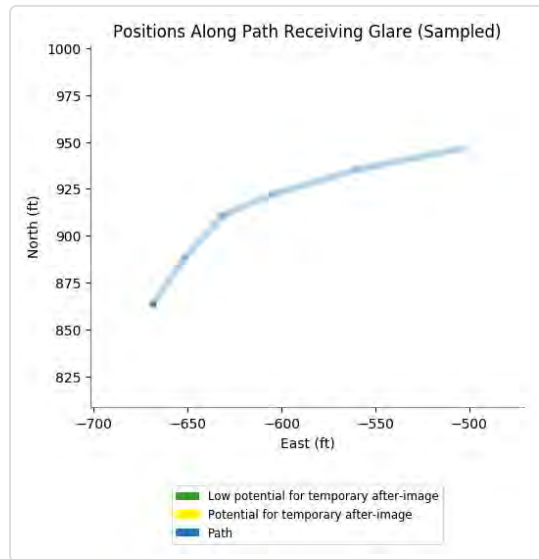
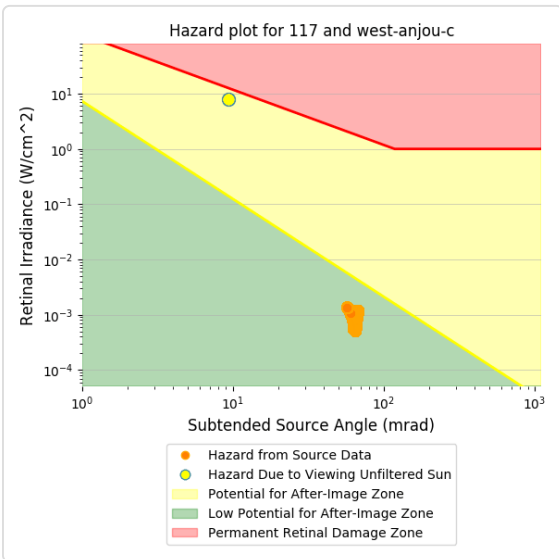
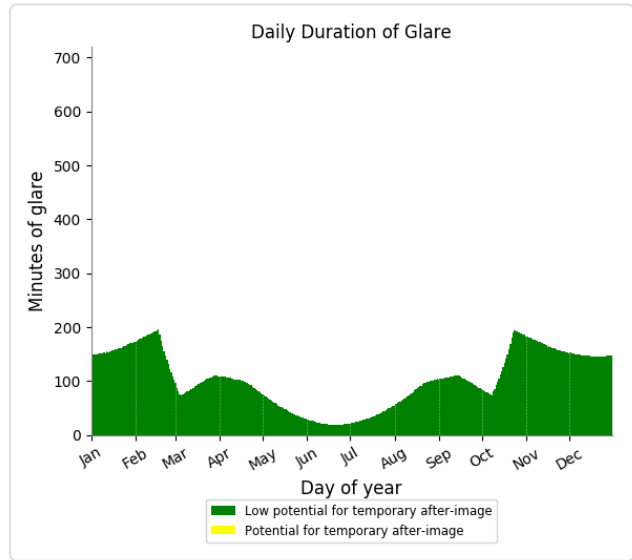
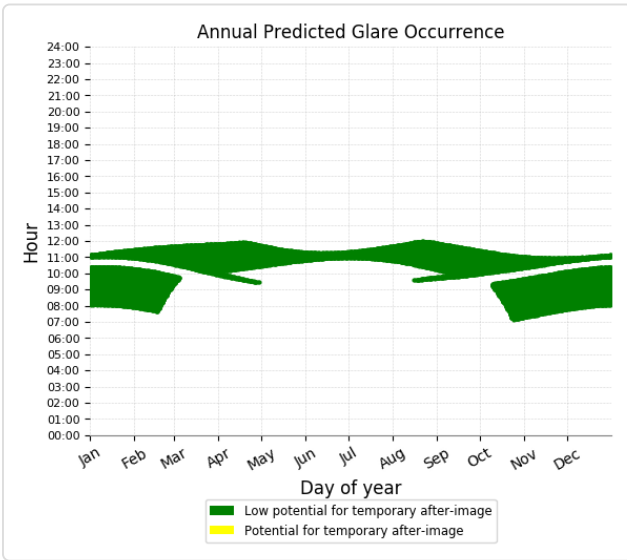
117 - Route Receptor (Thomas Road Braeburn Court)

No glare found

117 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 38,046 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	22116	0

118 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

118 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

118 - Receptor (Hornback Airstrip Northbound)

No glare found

118 - Receptor (Hornback Airstrip Southbound)

No glare found

118 - Receptor (Oz Airport NE Bound)

No glare found

118 - Receptor (Oz Airport SW Bound)

No glare found

118 - Receptor (Vine Grove Airport NW Bound)

No glare found

118 - Receptor (Vine Grove Airport SE Bound)

No glare found

118 - OP Receptor (OP 1)

No glare found

118 - OP Receptor (OP 2)

No glare found

118 - OP Receptor (OP 3)

No glare found

118 - OP Receptor (OP 4)

No glare found

118 - OP Receptor (OP 5)

No glare found

118 - OP Receptor (OP 6)

No glare found

118 - OP Receptor (OP 7)

No glare found

118 - OP Receptor (OP 8)

No glare found

118 - OP Receptor (OP 9)

No glare found

118 - OP Receptor (OP 10)

No glare found

118 - OP Receptor (OP 11)

No glare found

118 - OP Receptor (OP 12)

No glare found

118 - OP Receptor (OP 13)

No glare found

118 - OP Receptor (OP 14)

No glare found

118 - OP Receptor (OP 15)

No glare found

118 - OP Receptor (OP 16)

No glare found

118 - OP Receptor (OP 17)

No glare found

118 - OP Receptor (OP 18)

No glare found

118 - OP Receptor (OP 19)

No glare found

118 - OP Receptor (OP 20)

No glare found

118 - OP Receptor (OP 21)

No glare found

118 - OP Receptor (OP 22)

No glare found

118 - OP Receptor (OP 23)

No glare found

118 - OP Receptor (OP 24)

No glare found

118 - OP Receptor (OP 25)

No glare found

118 - OP Receptor (OP 26)

No glare found

118 - OP Receptor (OP 27)

No glare found

118 - OP Receptor (OP 28)

No glare found

118 - OP Receptor (OP 29)

No glare found

118 - OP Receptor (OP 30)

No glare found

118 - OP Receptor (OP 31)

No glare found

118 - OP Receptor (OP 32)

No glare found

118 - OP Receptor (OP 33)

No glare found

118 - OP Receptor (OP 34)

No glare found

118 - OP Receptor (OP 35)

No glare found

118 - OP Receptor (OP 36)

No glare found

118 - OP Receptor (OP 37)

No glare found

118 - OP Receptor (OP 38)

No glare found

118 - OP Receptor (OP 39)

No glare found

118 - OP Receptor (OP 40)

No glare found

118 - Route Receptor (Aiden Lane)

No glare found

118 - Route Receptor (Alcott Court Arden Court)

No glare found

118 - Route Receptor (Canton Road)

No glare found

118 - Route Receptor (Cecelia Road)

No glare found

118 - Route Receptor (Damson Trail)

No glare found

118 - Route Receptor (Goodman Lane)

No glare found

118 - Route Receptor (Hayden School Road)

No glare found

118 - Route Receptor (Hopewell Court Radford Court)

No glare found

118 - Route Receptor (Kitty Hawk Drive)

No glare found

118 - Route Receptor (St John Road)

No glare found

118 - Route Receptor (Thomas Cecelia road)

No glare found

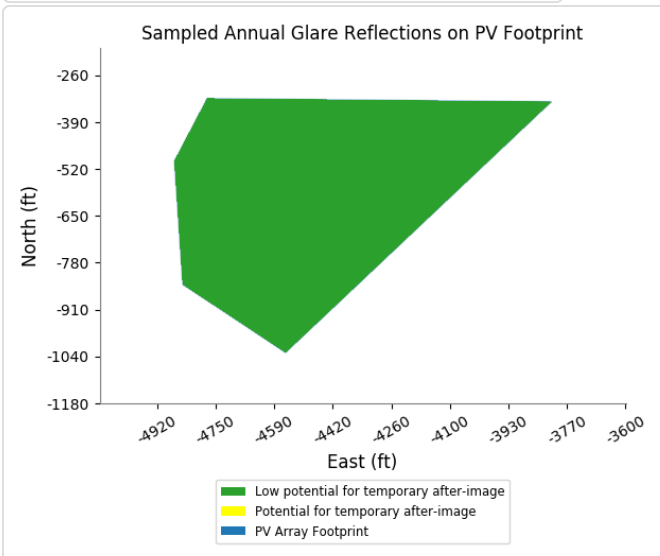
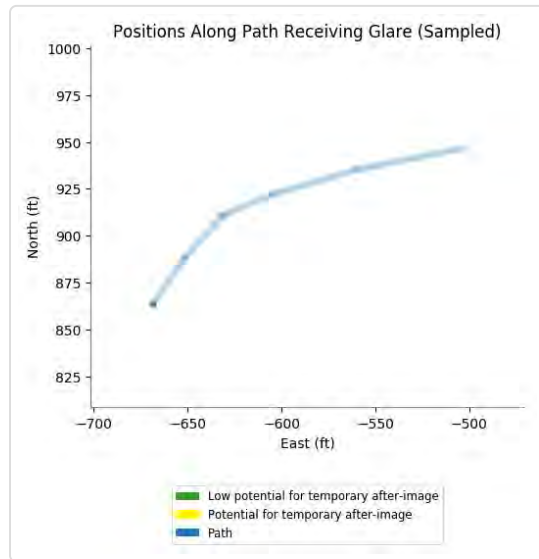
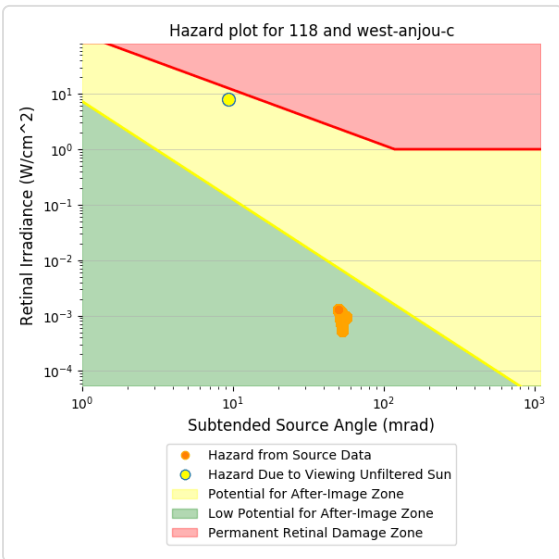
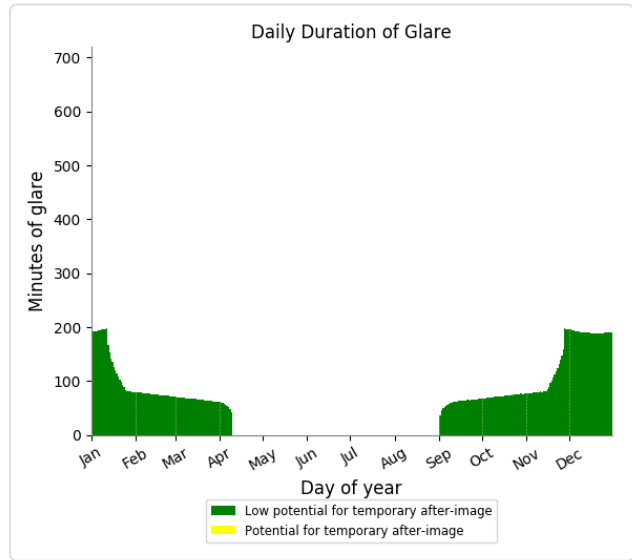
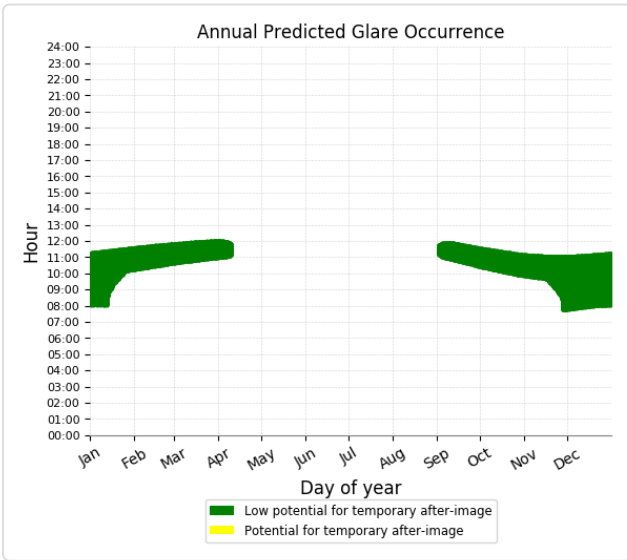
118 - Route Receptor (Thomas Road Braeburn Court)

No glare found

118 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 22,116 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not account for physical obstructions between reflectors and receptors. This includes buildings, tree cover and geographic obstructions
- Detailed system geometry is not rigorously simulated.
- The glare hazard determination relies on several approximations including observer eye characteristics, angle of view, and typical blink response time. Actual values and results may vary.
- The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.
- Several V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results for large PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare.
- The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)
- Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.
- Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
- Glare vector plots are simplified representations of analysis data. Actual glare emanations and results may differ.
- Refer to the **Help page** for detailed assumptions and limitations not listed here.

Telesto Solar

Block 1 12 ft pan 9 ft veh gp 2 houses

Created March 21, 2022
 Updated March 22, 2022
 Time-step 1 minute
 Timezone offset UTC-5
 Site ID 66460.11731

Project type Advanced
 Project status: active
 Category 100 to 500 kW

Misc. Analysis Settings

DNI: varies (1,000.0 W/m² peak)
 Ocular transmission coefficient: 0.5
 Pupil diameter: 0.002 m
 Eye focal length: 0.017 m
 Sun subtended angle: 9.3 mrad

Analysis Methodologies:

- Observation point: **Version 2**
- 2-Mile Flight Path: **Version 2**
- Route: **Version 2**

Summary of Results Glare with low potential for temporary after-image predicted

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced
	deg	deg	min	min	kWh
101	SA tracking	SA tracking	0	0	-
102	SA tracking	SA tracking	0	0	-
103	SA tracking	SA tracking	0	0	-
104	SA tracking	SA tracking	0	0	-
105	SA tracking	SA tracking	7,512	0	-
106	SA tracking	SA tracking	3,911	0	-
107	SA tracking	SA tracking	18,412	0	-
108	SA tracking	SA tracking	18,874	0	-
109	SA tracking	SA tracking	33,463	0	-
110	SA tracking	SA tracking	55,997	0	-
111	SA tracking	SA tracking	18,910	0	-
112	SA tracking	SA tracking	17,314	0	-
113	SA tracking	SA tracking	21,198	0	-
114	SA tracking	SA tracking	20,353	0	-
115	SA tracking	SA tracking	26,922	0	-
116	SA tracking	SA tracking	39,215	0	-
117	SA tracking	SA tracking	38,127	0	-
118	SA tracking	SA tracking	22,116	0	-

Component Data

PV Array(s)

Total PV footprint area: 176.7 acres

Name: 101
Footprint area: 3.4 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.687640	-85.932333	793.92	12.00	805.92
2	37.686804	-85.932269	773.47	12.00	785.47
3	37.685651	-85.933770	769.65	12.00	781.65
4	37.686528	-85.933861	777.64	12.00	789.64

Name: 102
Footprint area: 12.7 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.693775	-85.931505	802.78	12.00	814.78
2	37.693783	-85.931103	806.62	12.00	818.63
3	37.693393	-85.931103	805.37	12.00	817.37
4	37.693333	-85.930556	811.53	12.00	823.53
5	37.692989	-85.930041	811.25	12.00	823.25
6	37.692319	-85.930052	810.68	12.00	822.68
7	37.690084	-85.931859	804.90	12.00	816.90
8	37.690110	-85.932081	800.32	12.00	812.32
9	37.690737	-85.932608	797.62	12.00	809.62
10	37.692205	-85.932416	796.09	12.00	808.09
11	37.692964	-85.931601	805.77	12.00	817.77

Name: 103

Footprint area: 9.8 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.694067	-85.933919	808.24	12.00	820.24
2	37.694071	-85.933640	810.15	12.00	822.15
3	37.693328	-85.933544	800.70	12.00	812.70
4	37.692598	-85.933608	810.87	12.00	822.87
5	37.690446	-85.935180	799.11	12.00	811.11
6	37.691007	-85.935726	805.91	12.00	817.91
7	37.691840	-85.935853	808.86	12.00	820.87

Name: 104

Footprint area: 10.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.690444	-85.935182	799.14	12.00	811.14
2	37.689896	-85.935172	799.54	12.00	811.54
3	37.689877	-85.934922	795.55	12.00	807.55
4	37.690291	-85.934740	797.27	12.00	809.27
5	37.689934	-85.934249	795.31	12.00	807.31
6	37.689543	-85.934338	790.87	12.00	802.87
7	37.688953	-85.934434	789.93	12.00	801.93
8	37.688595	-85.933364	782.04	12.00	794.04
9	37.689189	-85.932975	788.12	12.00	800.12
10	37.689770	-85.932946	795.54	12.00	807.54
11	37.690403	-85.933675	798.81	12.00	810.81
12	37.691190	-85.933629	796.65	12.00	808.65
13	37.691841	-85.933297	798.82	12.00	810.82
14	37.692985	-85.933252	802.55	12.00	814.55
15	37.692594	-85.933611	810.96	12.00	822.97
16	37.691689	-85.934277	813.57	12.00	825.57

Name: 105

Footprint area: 1.3 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.689565	-85.937104	775.52	12.00	787.52
2	37.688869	-85.937122	769.20	12.00	781.20
3	37.688733	-85.937901	765.41	12.00	777.41
4	37.689363	-85.937926	772.87	12.00	784.87

Name: 106

Footprint area: 7.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.684724	-85.935089	757.03	12.00	769.03
2	37.685594	-85.935126	765.13	12.00	777.13
3	37.688074	-85.935469	786.59	12.00	798.59
4	37.688052	-85.936156	777.97	12.00	789.97
5	37.686346	-85.936113	774.41	12.00	786.41
6	37.684304	-85.936022	773.13	12.00	785.13

Name: 107

Footprint area: 23.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688468	-85.937052	768.87	12.00	780.87
2	37.684469	-85.936676	776.90	12.00	788.90
3	37.684087	-85.937266	764.74	12.00	776.74
4	37.685688	-85.940458	760.44	12.00	772.44
5	37.686465	-85.940480	757.44	12.00	769.45

Name: 108

Footprint area: 1.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.687923	-85.942682	746.01	12.00	758.02
2	37.687815	-85.942368	760.81	12.00	772.81
3	37.688176	-85.942371	750.83	12.00	762.83
4	37.688173	-85.942317	751.99	12.00	763.99
5	37.687796	-85.942314	762.20	12.00	774.21
6	37.687607	-85.941622	768.22	12.00	780.23
7	37.686947	-85.941647	748.74	12.00	760.74
8	37.687333	-85.942770	745.08	12.00	757.08

Name: 109

Footprint area: 8.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691419	-85.944527	768.69	12.00	780.69
2	37.691236	-85.943937	767.33	12.00	779.33
3	37.690031	-85.943980	757.24	12.00	769.24
4	37.689640	-85.943127	749.01	12.00	761.01
5	37.688515	-85.943159	749.94	12.00	761.94
6	37.688209	-85.943331	746.17	12.00	758.17
7	37.687972	-85.943744	744.48	12.00	756.48
8	37.688193	-85.944259	749.11	12.00	761.11
9	37.688846	-85.944254	754.05	12.00	766.05
10	37.689080	-85.944785	751.10	12.00	763.10
11	37.690574	-85.944940	762.10	12.00	774.10
12	37.690536	-85.944731	759.58	12.00	771.58

Name: 110

Footprint area: 6.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691245	-85.943948	767.33	12.00	779.33
2	37.691122	-85.943578	765.33	12.00	777.33
3	37.692637	-85.943296	766.81	12.00	778.81
4	37.694271	-85.942993	773.40	12.00	785.40
5	37.694331	-85.943701	783.11	12.00	795.11
6	37.694021	-85.943932	782.59	12.00	794.59
7	37.691419	-85.944527	768.69	12.00	780.69

Name: 111

Footprint area: 15.2 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

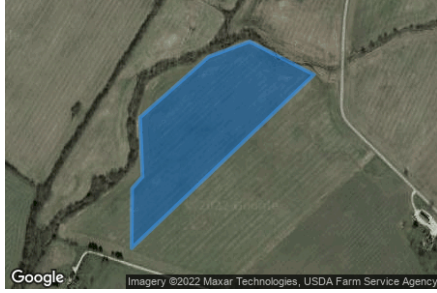
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685807	-85.945568	738.12	12.00	750.12
2	37.686872	-85.944044	742.46	12.00	754.46
3	37.687140	-85.943132	744.46	12.00	756.46
4	37.686558	-85.941706	749.30	12.00	761.30
5	37.683510	-85.945756	744.21	12.00	756.21
6	37.684559	-85.945745	737.82	12.00	749.82
7	37.684767	-85.945514	738.67	12.00	750.67

Name: 112

Footprint area: 16.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.686562	-85.941711	749.30	12.00	761.30
2	37.686571	-85.941561	748.53	12.00	760.53
3	37.686384	-85.941335	749.32	12.00	761.32
4	37.684805	-85.941233	758.23	12.00	770.23
5	37.683077	-85.943739	754.87	12.00	766.87
6	37.683510	-85.945782	744.22	12.00	756.22

Name: 113

Footprint area: 3.3 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692028	-85.951355	775.39	12.00	787.39
2	37.692890	-85.951242	786.66	12.00	798.66
3	37.693599	-85.950904	795.76	12.00	807.76
4	37.693590	-85.950277	795.30	12.00	807.30
5	37.691773	-85.950529	775.56	12.00	787.56

Name: 114

Footprint area: 2.0 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692661	-85.949874	773.91	12.00	785.91
2	37.693246	-85.949520	783.73	12.00	795.73
3	37.693255	-85.949177	784.03	12.00	796.04
4	37.691795	-85.949268	773.92	12.00	785.92
5	37.691816	-85.949874	767.55	12.00	779.55

Name: 115

Footprint area: 9.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

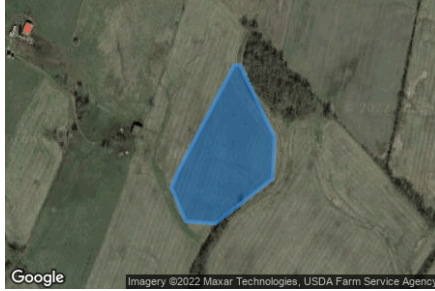
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.690733	-85.949692	764.64	12.00	776.64
2	37.692614	-85.948437	776.09	12.00	788.10
3	37.692627	-85.948308	776.60	12.00	788.60
4	37.691362	-85.947541	767.38	12.00	779.38
5	37.690627	-85.947578	762.77	12.00	774.77
6	37.689833	-85.948850	757.70	12.00	769.70
7	37.689876	-85.949515	757.21	12.00	769.21
8	37.690474	-85.949831	761.04	12.00	773.04

Name: 116

Footprint area: 16.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691485	-85.947160	769.39	12.00	781.39
2	37.691616	-85.946720	774.02	12.00	786.02
3	37.690738	-85.946688	764.60	12.00	776.60
4	37.690733	-85.946639	763.98	12.00	775.98
5	37.690186	-85.946307	759.56	12.00	771.56
6	37.689630	-85.945137	750.16	12.00	762.16
7	37.688517	-85.944778	752.98	12.00	764.98
8	37.688000	-85.944558	749.08	12.00	761.08
9	37.687409	-85.944504	742.72	12.00	754.72
10	37.686717	-85.945518	740.62	12.00	752.63
11	37.688315	-85.946556	759.35	12.00	771.35
12	37.689937	-85.947615	767.32	12.00	779.32
13	37.690233	-85.947783	763.44	12.00	775.44
14	37.690654	-85.947365	763.60	12.00	775.61

Name: 117

Footprint area: 18.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

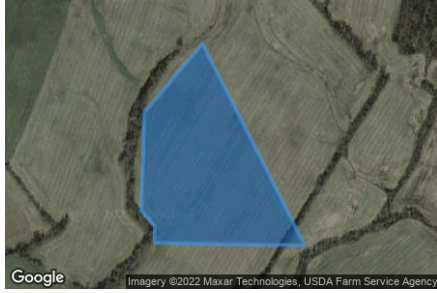
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.690238	-85.947789	763.20	12.00	775.20
2	37.689041	-85.949071	758.11	12.00	770.11
3	37.687321	-85.949146	749.45	12.00	761.45
4	37.687037	-85.948840	746.41	12.00	758.41
5	37.686748	-85.948851	746.50	12.00	758.50
6	37.686721	-85.947175	752.20	12.00	764.21
7	37.686701	-85.945520	740.01	12.00	752.01
8	37.688482	-85.946654	756.68	12.00	768.69

Name: 118

Footprint area: 10.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.686714	-85.945530	740.21	12.00	752.21
2	37.684791	-85.948095	745.54	12.00	757.54
3	37.685313	-85.949087	743.09	12.00	755.09
4	37.686260	-85.949167	746.31	12.00	758.31
5	37.686740	-85.948851	746.45	12.00	758.45

2-Mile Flight Path Receptor(s)

Name: Elizabethtown Regional Airport Runway 23
Description:
Threshold height : 50 ft
Direction: 225.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



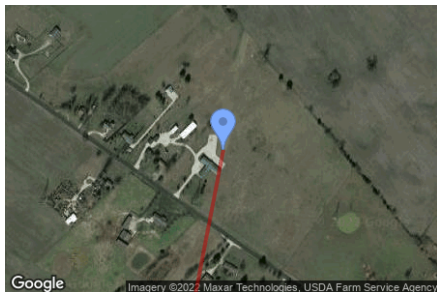
Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.691634	-85.917563	769.91	50.00	819.91
2-mile point	37.711924	-85.891503	745.53	627.83	1373.37

Name: Elizabethtown Regional Airport Runway 5
Description:
Threshold height : 50 ft
Direction: 49.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.680407	-85.932519	751.25	50.00	801.26
2-mile point	37.661653	-85.960355	690.06	664.65	1354.71

Name: Hornback Airstrip Northbound
Description:
Threshold height : 50 ft
Direction: 11.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.620818	-85.791738	782.24	50.00	832.24
2-mile point	37.592433	-85.798686	723.03	662.67	1385.70

Name: Hornback Airstrip Southbound
Description:
Threshold height : 50 ft
Direction: 194.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.625076	-85.790590	733.51	50.00	783.52
2-mile point	37.653055	-85.781377	827.86	509.11	1336.97

Name: Oz Airport NE Bound
Description:
Threshold height : 50 ft
Direction: 313.3 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.652149	-85.809356	834.93	50.00	884.94
2-mile point	37.632309	-85.782761	773.96	664.43	1438.39

Name: Oz Airport SW Bound
Description:
Threshold height : 50 ft
Direction: 140.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.658203	-85.816375	817.66	50.00	867.66
2-mile point	37.680468	-85.839701	791.67	629.45	1421.12

Name: Vine Grove Airport NW Bound

Description:

Threshold height : 50 ft

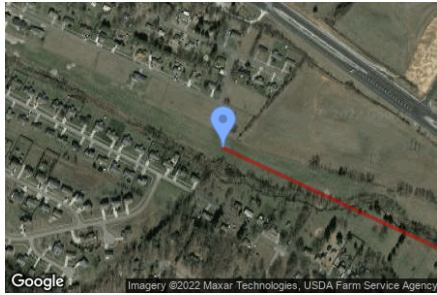
Direction: 294.9 deg

Glide slope: 3.0 deg

Pilot view restricted? Yes

Vertical view restriction: 30.0 deg

Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.814237	-85.961318	684.17	50.00	734.17
2-mile point	37.802059	-85.928086	754.23	533.39	1287.62

Name: Vine Grove Airport SE Bound

Description:

Threshold height : 50 ft

Direction: 117.6 deg

Glide slope: 3.0 deg

Pilot view restricted? Yes

Vertical view restriction: 30.0 deg

Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.816483	-85.967294	676.33	50.00	726.33
2-mile point	37.829855	-85.999781	668.90	610.89	1279.79

Route Receptor(s)

Name: Aiden Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.695693	-85.925773	797.79	9.00	806.79
2	37.694767	-85.926696	806.53	9.00	815.53
3	37.693664	-85.927736	791.96	9.00	800.96
4	37.693163	-85.928305	792.44	9.00	801.44
5	37.693112	-85.928380	794.16	9.00	803.16
6	37.692526	-85.928026	791.22	9.00	800.22
7	37.692322	-85.927940	792.92	9.00	801.92
8	37.691244	-85.928015	789.79	9.00	798.79
9	37.690973	-85.928283	783.04	9.00	792.04
10	37.690124	-85.929442	783.68	9.00	792.68
11	37.689741	-85.929764	785.75	9.00	794.75
12	37.688875	-85.928755	775.45	9.00	784.45

Name: Alcott Court Arden Court
Route type: Two-way
View angle: 50.0 deg



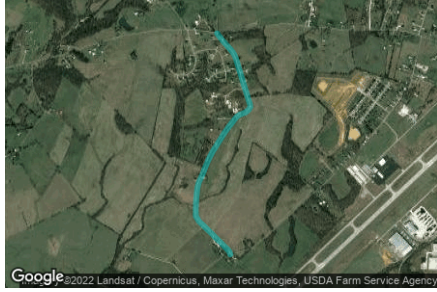
Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.693019	-85.927157	795.31	9.00	804.32
2	37.693613	-85.926556	799.43	9.00	808.43
3	37.694385	-85.925848	798.49	9.00	807.49
4	37.695158	-85.925108	789.46	9.00	798.46
5	37.695438	-85.924839	785.25	9.00	794.26

Name: Canton Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.694835	-85.926610	808.38	9.00	817.38
2	37.694385	-85.925827	798.12	9.00	807.12
3	37.693689	-85.924721	788.30	9.00	797.30
4	37.693197	-85.923852	775.38	9.00	784.38

Name: Cecelia Road
Route type: Two-way
View angle: 50.0 deg



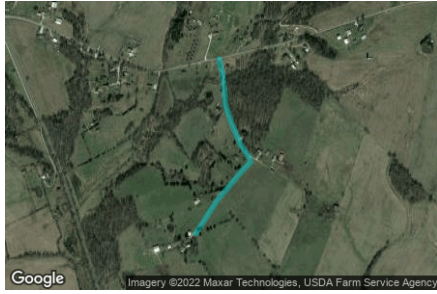
Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.698822	-85.939183	833.50	9.00	842.50
2	37.698321	-85.938711	826.58	9.00	835.58
3	37.697659	-85.937960	825.48	9.00	834.48
4	37.697332	-85.937670	823.31	9.00	832.31
5	37.697073	-85.937525	821.58	9.00	830.58
6	37.695668	-85.936994	817.19	9.00	826.19
7	37.694191	-85.936415	825.18	9.00	834.18
8	37.693809	-85.936259	826.50	9.00	835.50
9	37.693609	-85.936243	826.66	9.00	835.66
10	37.693427	-85.936383	824.24	9.00	833.25
11	37.693236	-85.936689	821.68	9.00	830.68
12	37.693087	-85.937171	823.65	9.00	832.65
13	37.692956	-85.937429	822.72	9.00	831.72
14	37.692259	-85.938121	819.44	9.00	828.44
15	37.691729	-85.938593	813.69	9.00	822.69
16	37.691139	-85.939060	804.52	9.00	813.52
17	37.690523	-85.939548	795.99	9.00	804.99
18	37.690035	-85.939880	791.73	9.00	800.73
19	37.689356	-85.940245	784.66	9.00	793.66
20	37.688842	-85.940497	785.64	9.00	794.64
21	37.688324	-85.940803	770.22	9.00	779.22
22	37.687921	-85.940937	763.11	9.00	772.11
23	37.687201	-85.941034	755.74	9.00	764.74
24	37.686473	-85.941077	751.76	9.00	760.77
25	37.685926	-85.941071	757.26	9.00	766.26
26	37.685565	-85.940792	761.30	9.00	770.30
27	37.684788	-85.939773	760.35	9.00	769.35
28	37.684177	-85.939017	767.15	9.00	776.15
29	37.683795	-85.938523	765.05	9.00	774.05
30	37.683480	-85.938132	759.66	9.00	768.67
31	37.683238	-85.938008	758.76	9.00	767.76

Name: Damson Trail
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.697399	-85.941169	814.31	9.00	823.31
2	37.697586	-85.940321	806.56	9.00	815.56
3	37.697688	-85.939581	816.05	9.00	825.05
4	37.697560	-85.939066	813.73	9.00	822.73
5	37.697314	-85.938787	811.13	9.00	820.13
6	37.696571	-85.938556	809.91	9.00	818.91
7	37.696117	-85.938433	810.90	9.00	819.90

Name: Goodman Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.696730	-85.955781	757.93	9.00	766.93
2	37.696212	-85.955641	749.09	9.00	758.10
3	37.695567	-85.955545	755.60	9.00	764.60
4	37.695100	-85.955502	764.15	9.00	773.16
5	37.694446	-85.955223	777.53	9.00	786.53
6	37.693733	-85.954848	801.08	9.00	810.08
7	37.693292	-85.954472	808.08	9.00	817.08
8	37.693105	-85.954386	805.20	9.00	814.20
9	37.692816	-85.954740	803.47	9.00	812.47
10	37.692146	-85.955459	802.39	9.00	811.39
11	37.691764	-85.955867	801.25	9.00	810.25
12	37.690592	-85.956822	785.72	9.00	794.72

Name: Hayden School Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.677893	-85.946307	754.79	9.00	763.79
2	37.678674	-85.945138	768.63	9.00	777.63
3	37.679795	-85.943507	753.42	9.00	762.42
4	37.681103	-85.941576	755.61	9.00	764.61
5	37.682113	-85.940116	776.74	9.00	785.74
6	37.682793	-85.939087	763.42	9.00	772.42
7	37.683098	-85.938604	765.04	9.00	774.05
8	37.683260	-85.938014	758.32	9.00	767.32
9	37.683429	-85.937112	758.77	9.00	767.77
10	37.683540	-85.936447	765.86	9.00	774.86
11	37.683650	-85.936050	768.95	9.00	777.95
12	37.683854	-85.935696	767.94	9.00	776.94
13	37.685077	-85.933926	756.15	9.00	765.15
14	37.687286	-85.930871	776.58	9.00	785.58
15	37.689564	-85.927752	768.00	9.00	777.00
16	37.690619	-85.926370	778.56	9.00	787.56
17	37.691214	-85.925703	787.76	9.00	796.76
18	37.692691	-85.924285	778.43	9.00	787.43
19	37.694798	-85.922264	770.80	9.00	779.80

Name: Hopewell Court Radford Court
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692501	-85.926481	791.65	9.00	800.65
2	37.693307	-85.925698	785.59	9.00	794.59
3	37.694165	-85.924861	791.70	9.00	800.70
4	37.695124	-85.923928	778.87	9.00	787.87

Name: Kitty Hawk Drive

Route type Two-way

View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692618	-85.924376	779.14	9.00	788.15
2	37.691904	-85.923625	770.82	9.00	779.82
3	37.691565	-85.923196	772.85	9.00	781.85
4	37.691242	-85.923174	777.94	9.00	786.94
5	37.691853	-85.922230	773.71	9.00	782.72
6	37.693229	-85.920449	765.64	9.00	774.64
7	37.694146	-85.919205	759.18	9.00	768.18
8	37.694638	-85.918475	756.37	9.00	765.37
9	37.694757	-85.917917	754.37	9.00	763.38
10	37.694774	-85.917424	752.06	9.00	761.06
11	37.694180	-85.914699	737.10	9.00	746.10
12	37.693840	-85.913003	731.15	9.00	740.15
13	37.693534	-85.911759	727.17	9.00	736.17

Name: St John Road

Route type Two-way

View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.696404	-85.959508	769.81	9.00	778.81
2	37.696285	-85.958907	757.90	9.00	766.90
3	37.696277	-85.958489	752.63	9.00	761.63
4	37.696642	-85.956365	759.00	9.00	768.00
5	37.697058	-85.954165	755.86	9.00	764.86
6	37.697508	-85.951987	773.93	9.00	782.93
7	37.698110	-85.949616	797.45	9.00	806.45
8	37.698590	-85.947670	810.71	9.00	819.71
9	37.698780	-85.946453	811.00	9.00	820.00
10	37.699026	-85.943847	819.36	9.00	828.36
11	37.699059	-85.942240	806.46	9.00	815.46
12	37.699006	-85.940679	821.09	9.00	830.09
13	37.698811	-85.938806	835.72	9.00	844.72
14	37.698905	-85.937792	815.95	9.00	824.95
15	37.699212	-85.935291	794.15	9.00	803.15
16	37.699486	-85.933100	771.48	9.00	780.48
17	37.699473	-85.932537	762.72	9.00	771.72
18	37.699261	-85.930876	777.94	9.00	786.94
19	37.699143	-85.929054	801.28	9.00	810.28
20	37.698991	-85.927000	778.10	9.00	787.10
21	37.699044	-85.923985	766.70	9.00	775.70

Name: Thomas Cecelia road

Route type Two-way

View angle: 50.0 deg

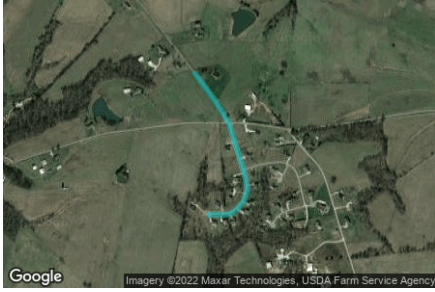


Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.678353	-85.945791	760.40	9.00	769.40
2	37.678778	-85.946005	760.49	9.00	769.49
3	37.679542	-85.947057	757.98	9.00	766.98
4	37.680476	-85.948323	754.72	9.00	763.72
5	37.681071	-85.949439	726.64	9.00	735.64
6	37.681240	-85.949996	727.39	9.00	736.39

Name: Thomas Road Braeburn Court

Route type: Two-way

View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.700803	-85.943336	834.13	9.00	843.13
2	37.699844	-85.942435	815.90	9.00	824.90
3	37.699097	-85.941845	810.08	9.00	819.08
4	37.698095	-85.941448	811.46	9.00	820.46
5	37.697323	-85.941147	815.09	9.00	824.09
6	37.696712	-85.941008	808.99	9.00	817.99
7	37.696313	-85.941169	799.74	9.00	808.74
8	37.695973	-85.941534	801.30	9.00	810.30
9	37.695854	-85.941812	800.69	9.00	809.69
10	37.695837	-85.942381	791.56	9.00	800.56
11	37.695837	-85.942692	786.56	9.00	795.56

Name: West Anjou Court

Route type: Two-way

View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.695421	-85.939913	5803.51	9.00	5812.51
2	37.695642	-85.939720	802.24	9.00	811.24
3	37.695846	-85.939495	806.96	9.00	815.96
4	37.695947	-85.939195	811.99	9.00	820.99
5	37.696066	-85.938680	811.22	9.00	820.22
6	37.696168	-85.938047	809.11	9.00	818.11

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	ft	ft	ft
OP 1	37.709227	-85.876066	769.34	500.02	1269.37
OP 2	37.688570	-85.930281	781.66	25.00	806.66
OP 3	37.688782	-85.930045	782.00	25.00	807.00
OP 4	37.689011	-85.929755	783.26	25.00	808.26
OP 5	37.689241	-85.929551	786.58	25.00	811.59
OP 6	37.689351	-85.928811	781.25	25.00	806.25
OP 7	37.689521	-85.928468	777.89	25.00	802.90
OP 8	37.689725	-85.928210	779.55	25.00	804.55
OP 9	37.689860	-85.928039	778.35	25.00	803.35
OP 10	37.690047	-85.927738	782.78	25.00	807.79
OP 11	37.690242	-85.927449	782.52	25.00	807.52
OP 12	37.691117	-85.926247	783.51	25.00	808.51
OP 13	37.691346	-85.926022	786.65	25.00	811.65
OP 14	37.691635	-85.925775	792.88	25.00	817.88
OP 15	37.692229	-85.926247	790.16	25.00	815.16
OP 16	37.692611	-85.926794	789.36	25.00	814.36
OP 17	37.692738	-85.927062	790.41	25.00	815.41
OP 18	37.692857	-85.927395	789.25	25.00	814.25
OP 19	37.693103	-85.927599	788.65	25.00	813.65
OP 20	37.693333	-85.927288	796.92	25.00	821.93
OP 21	37.693503	-85.927095	801.23	25.00	826.23
OP 22	37.693706	-85.926912	804.63	25.00	829.63
OP 23	37.693859	-85.926708	805.28	25.00	830.28
OP 24	37.682895	-85.947041	740.24	25.00	765.24
OP 25	37.698944	-85.947989	811.75	25.00	836.75
OP 26	37.700146	-85.945875	827.90	25.00	852.90
OP 27	37.697849	-85.949496	801.59	25.00	826.59
OP 28	37.700719	-85.942399	829.89	25.00	854.89
OP 29	37.702094	-85.943118	834.97	25.00	859.97
OP 30	37.701105	-85.944056	838.69	25.00	863.69
OP 31	37.695587	-85.936584	816.63	25.00	841.63
OP 32	37.696462	-85.936841	817.54	25.00	842.54
OP 33	37.698253	-85.938183	830.34	25.00	855.34
OP 34	37.698507	-85.939674	824.80	25.00	849.80
OP 35	37.699475	-85.928988	804.16	25.00	829.16
OP 36	37.699611	-85.931391	768.98	25.00	793.98
OP 37	37.699484	-85.930715	782.99	25.00	807.99
OP 38	37.699280	-85.927926	796.57	25.00	821.57
OP 39	37.699390	-85.927164	789.71	25.00	814.71
OP 40	37.699348	-85.926241	775.90	25.00	800.91

Summary of PV Glare Analysis

PV configuration and total predicted glare

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced	Data File
	deg	deg	min	min	kWh	
101	SA tracking	SA tracking	0	0	-	
102	SA tracking	SA tracking	0	0	-	
103	SA tracking	SA tracking	0	0	-	
104	SA tracking	SA tracking	0	0	-	
105	SA tracking	SA tracking	7,512	0	-	
106	SA tracking	SA tracking	3,911	0	-	
107	SA tracking	SA tracking	18,412	0	-	
108	SA tracking	SA tracking	18,874	0	-	
109	SA tracking	SA tracking	33,463	0	-	
110	SA tracking	SA tracking	55,997	0	-	
111	SA tracking	SA tracking	18,910	0	-	
112	SA tracking	SA tracking	17,314	0	-	
113	SA tracking	SA tracking	21,198	0	-	
114	SA tracking	SA tracking	20,353	0	-	
115	SA tracking	SA tracking	26,922	0	-	
116	SA tracking	SA tracking	39,215	0	-	
117	SA tracking	SA tracking	38,127	0	-	
118	SA tracking	SA tracking	22,116	0	-	

Distinct glare per month

Excludes overlapping glare from PV array for multiple receptors at matching time(s)

PV	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
105 (green)	1110	889	825	527	0	0	0	283	744	932	1044	1158
105 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
106 (green)	758	607	313	0	0	0	0	0	130	596	713	794
106 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
107 (green)	2898	2307	2100	861	0	0	0	300	1825	2407	2720	2994
107 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
108 (green)	1873	1615	1675	1477	1336	1148	1281	1446	1584	1746	1794	1899
108 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
109 (green)	5847	3042	2842	2052	601	0	154	1658	2551	3199	4705	6812
109 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
110 (green)	6353	7109	6381	3798	1889	610	1330	3066	5308	7789	6540	5824
110 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
111 (green)	2919	2336	2191	966	0	0	0	314	1985	2440	2741	3018
111 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
112 (green)	2714	2226	2142	597	0	0	0	138	1761	2361	2568	2807
112 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
113 (green)	0	594	3908	3122	2167	1141	1654	2930	3783	1899	0	0
113 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
114 (green)	0	916	3771	2690	2023	1092	1568	2629	3258	2406	0	0
114 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
115 (green)	1056	4205	4142	2738	1304	18	611	2421	3285	5014	2128	0
115 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
116 (green)	6948	5345	3685	1365	0	0	0	592	2905	4853	6957	6565
116 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
117 (green)	4909	4704	2904	2948	1555	657	1093	2573	3080	4123	5005	4576
117 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0
118 (green)	4353	2115	2045	492	0	0	0	0	1758	2243	3195	5915
118 (yellow)	0	0	0	0	0	0	0	0	0	0	0	0

PV & Receptor Analysis Results

Results for each PV array and receptor

101 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

102 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

103 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

104 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0

Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	0	0

No glare found

105 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0

OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	7512	0

105 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

105 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

105 - Receptor (Hornback Airstrip Northbound)

No glare found

105 - Receptor (Hornback Airstrip Southbound)

No glare found

105 - Receptor (Oz Airport NE Bound)

No glare found

105 - Receptor (Oz Airport SW Bound)

No glare found

105 - Receptor (Vine Grove Airport NW Bound)

No glare found

105 - Receptor (Vine Grove Airport SE Bound)

No glare found

105 - OP Receptor (OP 1)

No glare found

105 - OP Receptor (OP 2)

No glare found

105 - OP Receptor (OP 3)

No glare found

105 - OP Receptor (OP 4)

No glare found

105 - OP Receptor (OP 5)

No glare found

105 - OP Receptor (OP 6)

No glare found

105 - OP Receptor (OP 7)

No glare found

105 - OP Receptor (OP 8)

No glare found

105 - OP Receptor (OP 9)

No glare found

105 - OP Receptor (OP 10)

No glare found

105 - OP Receptor (OP 11)

No glare found

105 - OP Receptor (OP 12)

No glare found

105 - OP Receptor (OP 13)

No glare found

105 - OP Receptor (OP 14)

No glare found

105 - OP Receptor (OP 15)

No glare found

105 - OP Receptor (OP 16)

No glare found

105 - OP Receptor (OP 17)

No glare found

105 - OP Receptor (OP 18)

No glare found

105 - OP Receptor (OP 19)

No glare found

105 - OP Receptor (OP 20)

No glare found

105 - OP Receptor (OP 21)

No glare found

105 - OP Receptor (OP 22)

No glare found

105 - OP Receptor (OP 23)

No glare found

105 - OP Receptor (OP 24)

No glare found

105 - OP Receptor (OP 25)

No glare found

105 - OP Receptor (OP 26)

No glare found

105 - OP Receptor (OP 27)

No glare found

105 - OP Receptor (OP 28)

No glare found

105 - OP Receptor (OP 29)

No glare found

105 - OP Receptor (OP 30)

No glare found

105 - OP Receptor (OP 31)

No glare found

105 - OP Receptor (OP 32)

No glare found

105 - OP Receptor (OP 33)

No glare found

105 - OP Receptor (OP 34)

No glare found

105 - OP Receptor (OP 35)

No glare found

105 - OP Receptor (OP 36)

No glare found

105 - OP Receptor (OP 37)

No glare found

105 - OP Receptor (OP 38)

No glare found

105 - OP Receptor (OP 39)

No glare found

105 - OP Receptor (OP 40)

No glare found

105 - Route Receptor (Aiden Lane)

No glare found

105 - Route Receptor (Alcott Court Arden Court)

No glare found

105 - Route Receptor (Canton Road)

No glare found

105 - Route Receptor (Cecelia Road)

No glare found

105 - Route Receptor (Damson Trail)

No glare found

105 - Route Receptor (Goodman Lane)

No glare found

105 - Route Receptor (Hayden School Road)

No glare found

105 - Route Receptor (Hopewell Court Radford Court)

No glare found

105 - Route Receptor (Kitty Hawk Drive)

No glare found

105 - Route Receptor (St John Road)

No glare found

105 - Route Receptor (Thomas Cecelia road)

No glare found

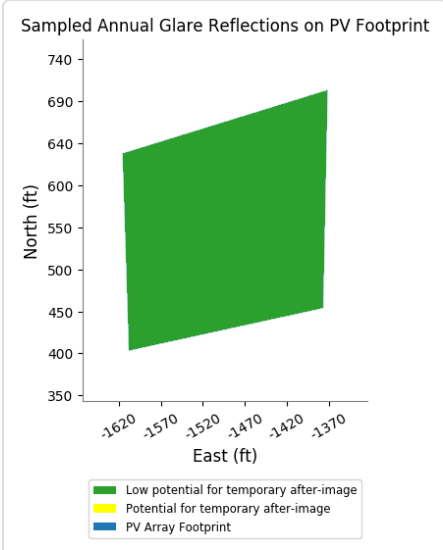
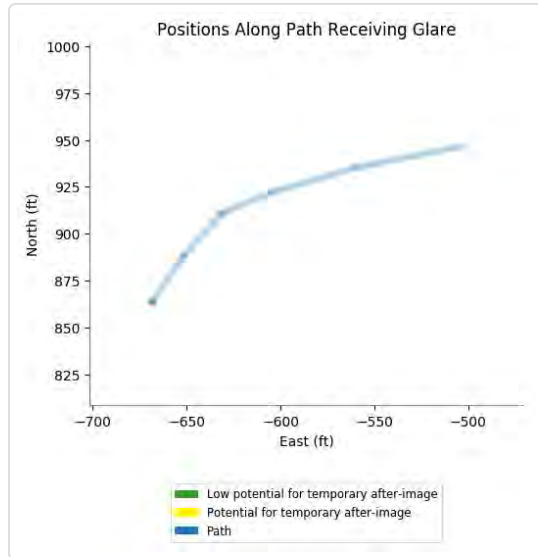
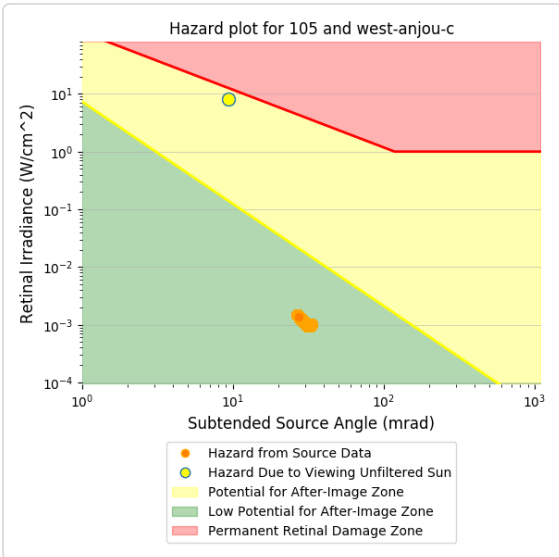
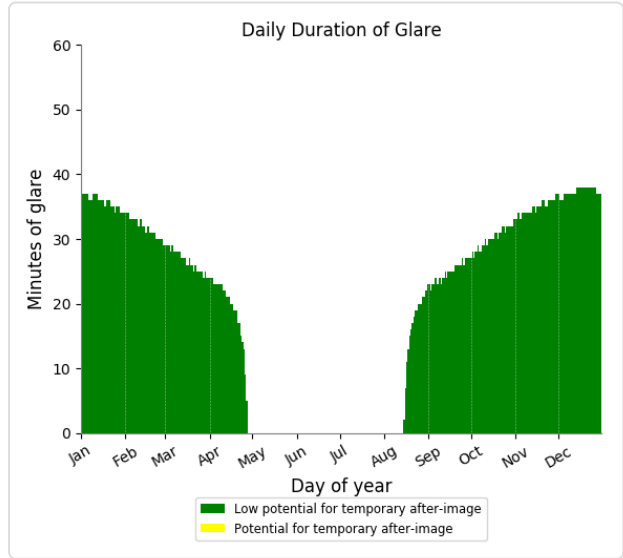
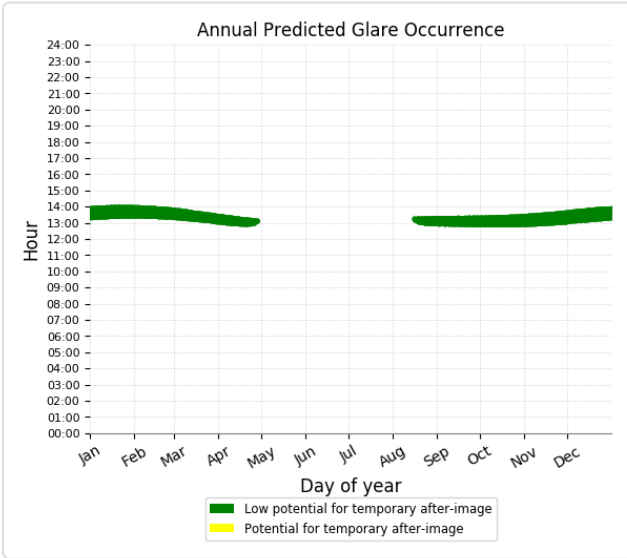
105 - Route Receptor (Thomas Road Braeburn Court)

No glare found

105 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 7,512 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	3911	0

106 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

106 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

106 - Receptor (Hornback Airstrip Northbound)

No glare found

106 - Receptor (Hornback Airstrip Southbound)

No glare found

106 - Receptor (Oz Airport NE Bound)

No glare found

106 - Receptor (Oz Airport SW Bound)

No glare found

106 - Receptor (Vine Grove Airport NW Bound)

No glare found

106 - Receptor (Vine Grove Airport SE Bound)

No glare found

106 - OP Receptor (OP 1)

No glare found

106 - OP Receptor (OP 2)

No glare found

106 - OP Receptor (OP 3)

No glare found

106 - OP Receptor (OP 4)

No glare found

106 - OP Receptor (OP 5)

No glare found

106 - OP Receptor (OP 6)

No glare found

106 - OP Receptor (OP 7)

No glare found

106 - OP Receptor (OP 8)

No glare found

106 - OP Receptor (OP 9)

No glare found

106 - OP Receptor (OP 10)

No glare found

106 - OP Receptor (OP 11)

No glare found

106 - OP Receptor (OP 12)

No glare found

106 - OP Receptor (OP 13)

No glare found

106 - OP Receptor (OP 14)

No glare found

106 - OP Receptor (OP 15)

No glare found

106 - OP Receptor (OP 16)

No glare found

106 - OP Receptor (OP 17)

No glare found

106 - OP Receptor (OP 18)

No glare found

106 - OP Receptor (OP 19)

No glare found

106 - OP Receptor (OP 20)

No glare found

106 - OP Receptor (OP 21)

No glare found

106 - OP Receptor (OP 22)

No glare found

106 - OP Receptor (OP 23)

No glare found

106 - OP Receptor (OP 24)

No glare found

106 - OP Receptor (OP 25)

No glare found

106 - OP Receptor (OP 26)

No glare found

106 - OP Receptor (OP 27)

No glare found

106 - OP Receptor (OP 28)

No glare found

106 - OP Receptor (OP 29)

No glare found

106 - OP Receptor (OP 30)

No glare found

106 - OP Receptor (OP 31)

No glare found

106 - OP Receptor (OP 32)

No glare found

106 - OP Receptor (OP 33)

No glare found

106 - OP Receptor (OP 34)

No glare found

106 - OP Receptor (OP 35)

No glare found

106 - OP Receptor (OP 36)

No glare found

106 - OP Receptor (OP 37)

No glare found

106 - OP Receptor (OP 38)

No glare found

106 - OP Receptor (OP 39)

No glare found

106 - OP Receptor (OP 40)

No glare found

106 - Route Receptor (Aiden Lane)

No glare found

106 - Route Receptor (Alcott Court Arden Court)

No glare found

106 - Route Receptor (Canton Road)

No glare found

106 - Route Receptor (Cecelia Road)

No glare found

106 - Route Receptor (Damson Trail)

No glare found

106 - Route Receptor (Goodman Lane)

No glare found

106 - Route Receptor (Hayden School Road)

No glare found

106 - Route Receptor (Hopewell Court Radford Court)

No glare found

106 - Route Receptor (Kitty Hawk Drive)

No glare found

106 - Route Receptor (St John Road)

No glare found

106 - Route Receptor (Thomas Cecelia road)

No glare found

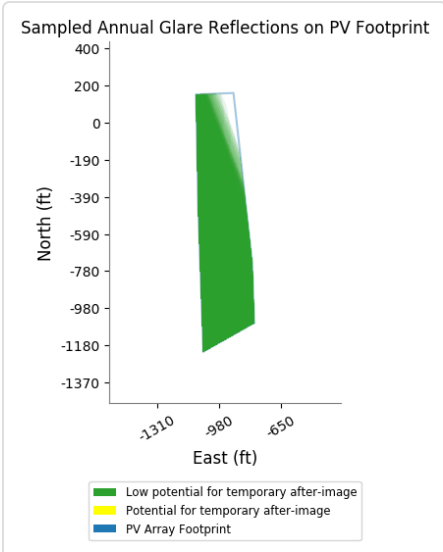
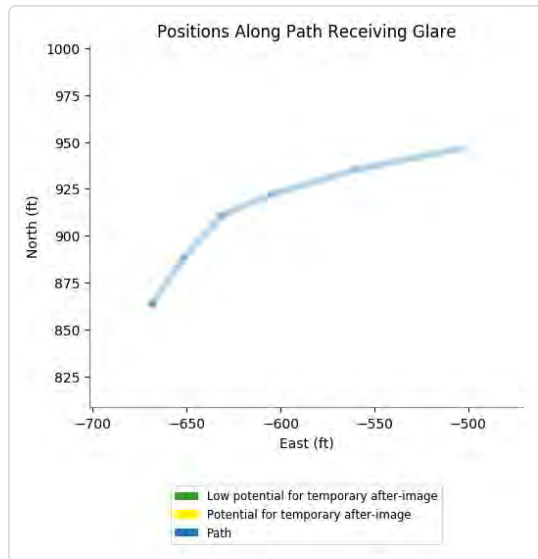
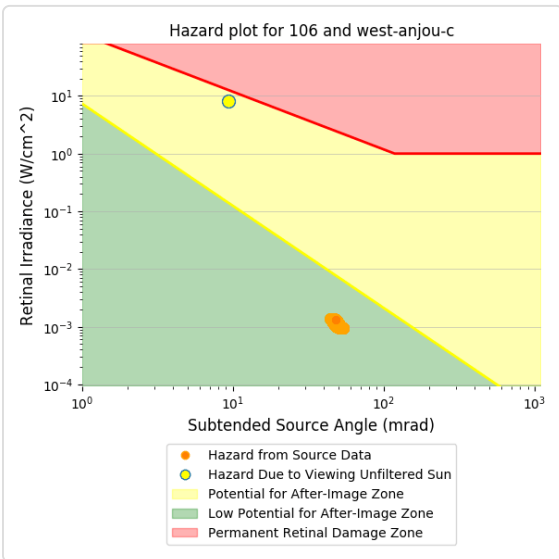
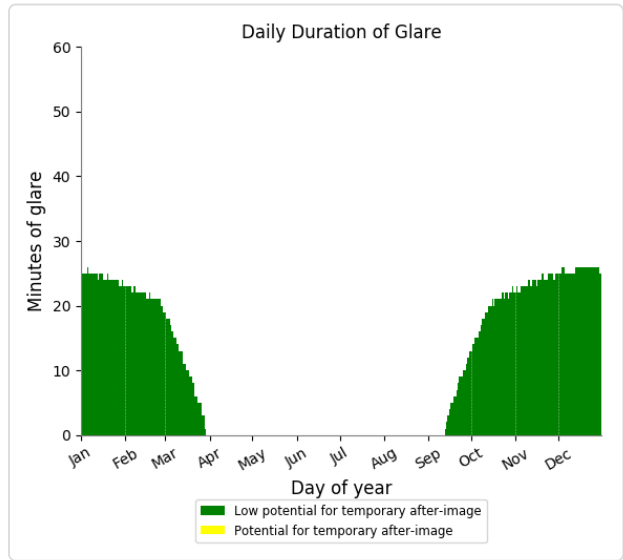
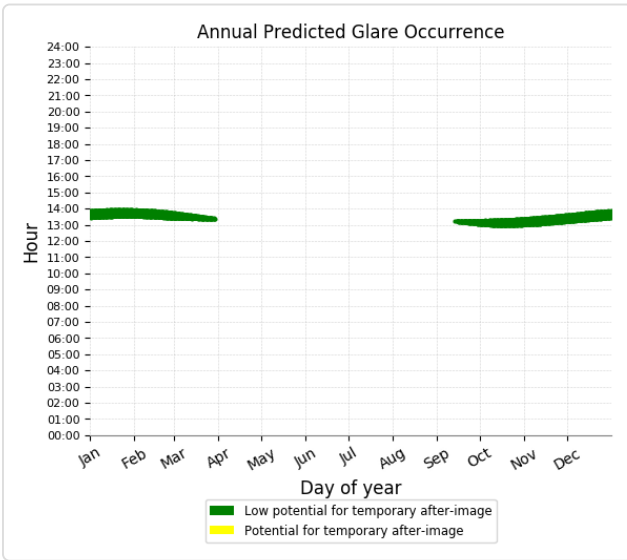
106 - Route Receptor (Thomas Road Braeburn Court)

No glare found

106 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 3,911 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	18412	0

107 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

107 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

107 - Receptor (Hornback Airstrip Northbound)

No glare found

107 - Receptor (Hornback Airstrip Southbound)

No glare found

107 - Receptor (Oz Airport NE Bound)

No glare found

107 - Receptor (Oz Airport SW Bound)

No glare found

107 - Receptor (Vine Grove Airport NW Bound)

No glare found

107 - Receptor (Vine Grove Airport SE Bound)

No glare found

107 - OP Receptor (OP 1)

No glare found

107 - OP Receptor (OP 2)

No glare found

107 - OP Receptor (OP 3)

No glare found

107 - OP Receptor (OP 4)

No glare found

107 - OP Receptor (OP 5)

No glare found

107 - OP Receptor (OP 6)

No glare found

107 - OP Receptor (OP 7)

No glare found

107 - OP Receptor (OP 8)

No glare found

107 - OP Receptor (OP 9)

No glare found

107 - OP Receptor (OP 10)

No glare found

107 - OP Receptor (OP 11)

No glare found

107 - OP Receptor (OP 12)

No glare found

107 - OP Receptor (OP 13)

No glare found

107 - OP Receptor (OP 14)

No glare found

107 - OP Receptor (OP 15)

No glare found

107 - OP Receptor (OP 16)

No glare found

107 - OP Receptor (OP 17)

No glare found

107 - OP Receptor (OP 18)

No glare found

107 - OP Receptor (OP 19)

No glare found

107 - OP Receptor (OP 20)

No glare found

107 - OP Receptor (OP 21)

No glare found

107 - OP Receptor (OP 22)

No glare found

107 - OP Receptor (OP 23)

No glare found

107 - OP Receptor (OP 24)

No glare found

107 - OP Receptor (OP 25)

No glare found

107 - OP Receptor (OP 26)

No glare found

107 - OP Receptor (OP 27)

No glare found

107 - OP Receptor (OP 28)

No glare found

107 - OP Receptor (OP 29)

No glare found

107 - OP Receptor (OP 30)

No glare found

107 - OP Receptor (OP 31)

No glare found

107 - OP Receptor (OP 32)

No glare found

107 - OP Receptor (OP 33)

No glare found

107 - OP Receptor (OP 34)

No glare found

107 - OP Receptor (OP 35)

No glare found

107 - OP Receptor (OP 36)

No glare found

107 - OP Receptor (OP 37)

No glare found

107 - OP Receptor (OP 38)

No glare found

107 - OP Receptor (OP 39)

No glare found

107 - OP Receptor (OP 40)

No glare found

107 - Route Receptor (Aiden Lane)

No glare found

107 - Route Receptor (Alcott Court Arden Court)

No glare found

107 - Route Receptor (Canton Road)

No glare found

107 - Route Receptor (Cecelia Road)

No glare found

107 - Route Receptor (Damson Trail)

No glare found

107 - Route Receptor (Goodman Lane)

No glare found

107 - Route Receptor (Hayden School Road)

No glare found

107 - Route Receptor (Hopewell Court Radford Court)

No glare found

107 - Route Receptor (Kitty Hawk Drive)

No glare found

107 - Route Receptor (St John Road)

No glare found

107 - Route Receptor (Thomas Cecelia road)

No glare found

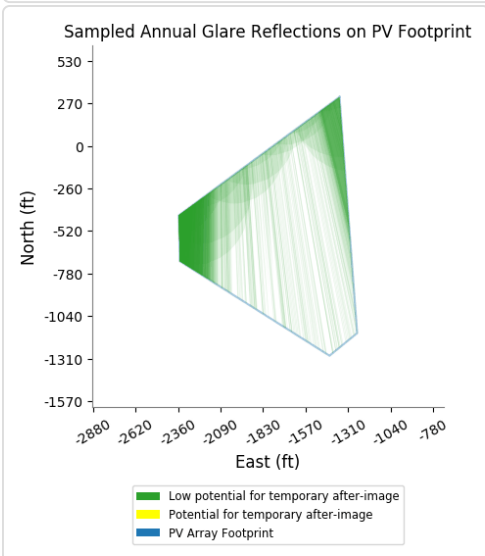
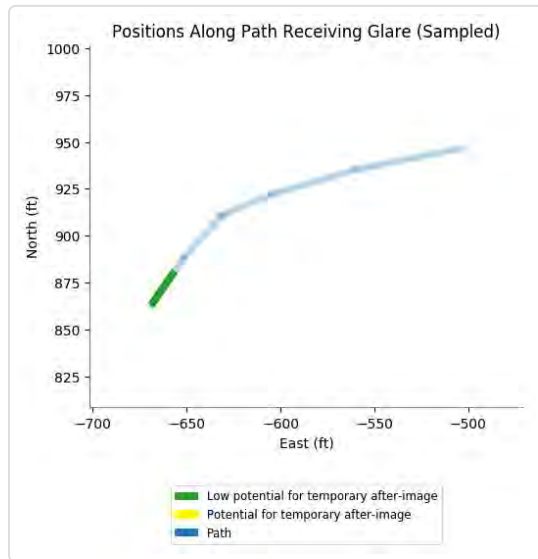
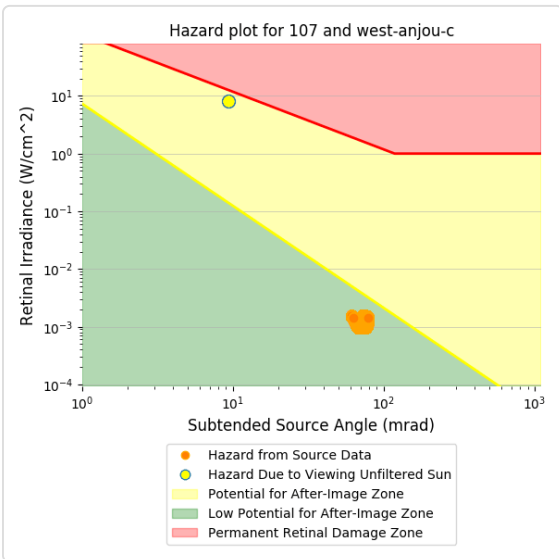
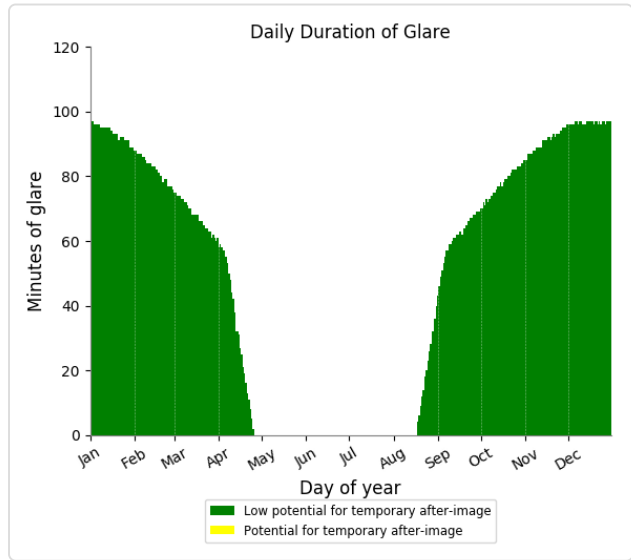
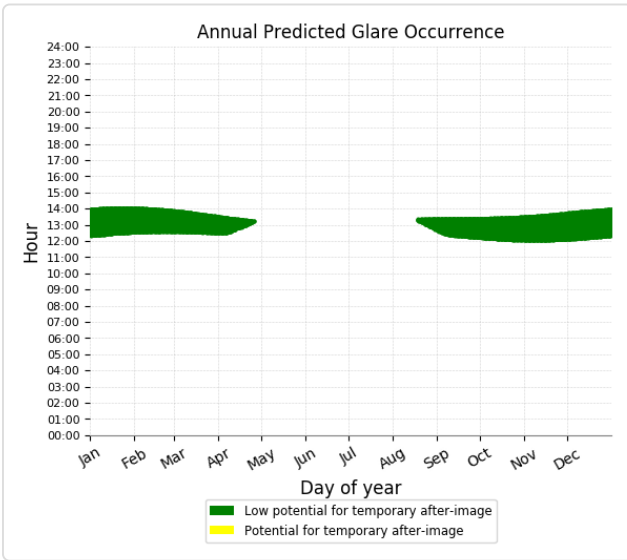
107 - Route Receptor (Thomas Road Braeburn Court)

No glare found

107 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 18,412 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	18874	0

108 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

108 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

108 - Receptor (Hornback Airstrip Northbound)

No glare found

108 - Receptor (Hornback Airstrip Southbound)

No glare found

108 - Receptor (Oz Airport NE Bound)

No glare found

108 - Receptor (Oz Airport SW Bound)

No glare found

108 - Receptor (Vine Grove Airport NW Bound)

No glare found

108 - Receptor (Vine Grove Airport SE Bound)

No glare found

108 - OP Receptor (OP 1)

No glare found

108 - OP Receptor (OP 2)

No glare found

108 - OP Receptor (OP 3)

No glare found

108 - OP Receptor (OP 4)

No glare found

108 - OP Receptor (OP 5)

No glare found

108 - OP Receptor (OP 6)

No glare found

108 - OP Receptor (OP 7)

No glare found

108 - OP Receptor (OP 8)

No glare found

108 - OP Receptor (OP 9)

No glare found

108 - OP Receptor (OP 10)

No glare found

108 - OP Receptor (OP 11)

No glare found

108 - OP Receptor (OP 12)

No glare found

108 - OP Receptor (OP 13)

No glare found

108 - OP Receptor (OP 14)

No glare found

108 - OP Receptor (OP 15)

No glare found

108 - OP Receptor (OP 16)

No glare found

108 - OP Receptor (OP 17)

No glare found

108 - OP Receptor (OP 18)

No glare found

108 - OP Receptor (OP 19)

No glare found

108 - OP Receptor (OP 20)

No glare found

108 - OP Receptor (OP 21)

No glare found

108 - OP Receptor (OP 22)

No glare found

108 - OP Receptor (OP 23)

No glare found

108 - OP Receptor (OP 24)

No glare found

108 - OP Receptor (OP 25)

No glare found

108 - OP Receptor (OP 26)

No glare found

108 - OP Receptor (OP 27)

No glare found

108 - OP Receptor (OP 28)

No glare found

108 - OP Receptor (OP 29)

No glare found

108 - OP Receptor (OP 30)

No glare found

108 - OP Receptor (OP 31)

No glare found

108 - OP Receptor (OP 32)

No glare found

108 - OP Receptor (OP 33)

No glare found

108 - OP Receptor (OP 34)

No glare found

108 - OP Receptor (OP 35)

No glare found

108 - OP Receptor (OP 36)

No glare found

108 - OP Receptor (OP 37)

No glare found

108 - OP Receptor (OP 38)

No glare found

108 - OP Receptor (OP 39)

No glare found

108 - OP Receptor (OP 40)

No glare found

108 - Route Receptor (Aiden Lane)

No glare found

108 - Route Receptor (Alcott Court Arden Court)

No glare found

108 - Route Receptor (Canton Road)

No glare found

108 - Route Receptor (Cecelia Road)

No glare found

108 - Route Receptor (Damson Trail)

No glare found

108 - Route Receptor (Goodman Lane)

No glare found

108 - Route Receptor (Hayden School Road)

No glare found

108 - Route Receptor (Hopewell Court Radford Court)

No glare found

108 - Route Receptor (Kitty Hawk Drive)

No glare found

108 - Route Receptor (St John Road)

No glare found

108 - Route Receptor (Thomas Cecelia road)

No glare found

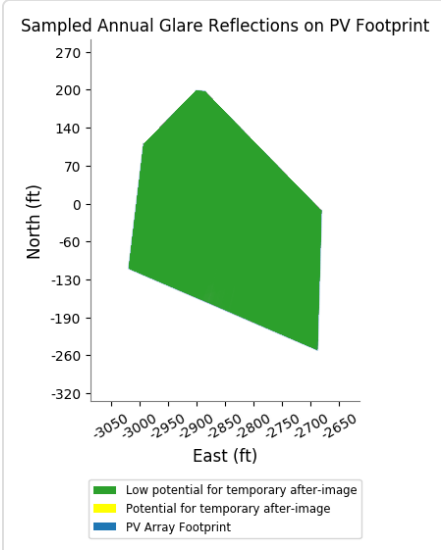
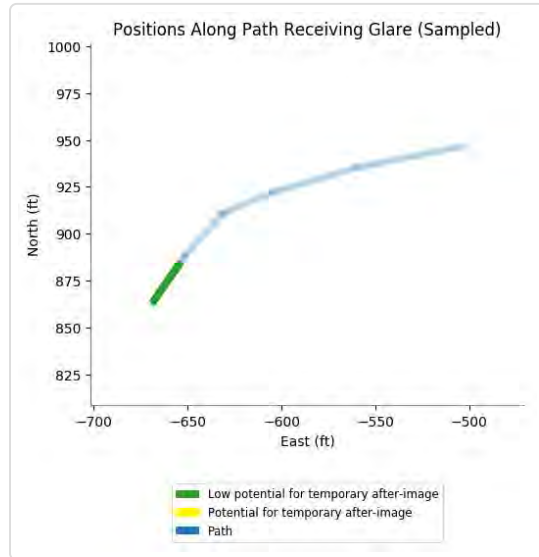
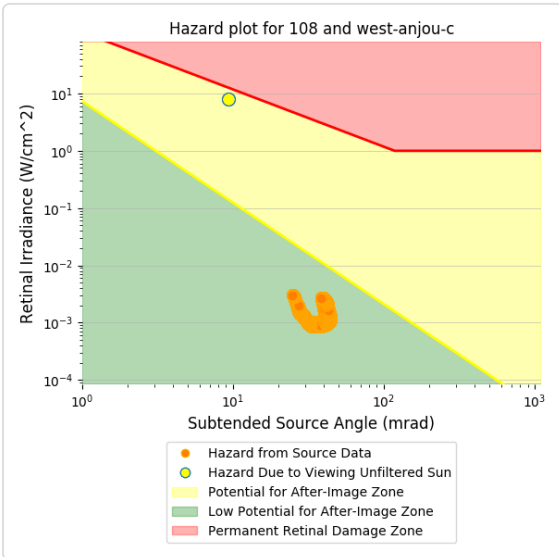
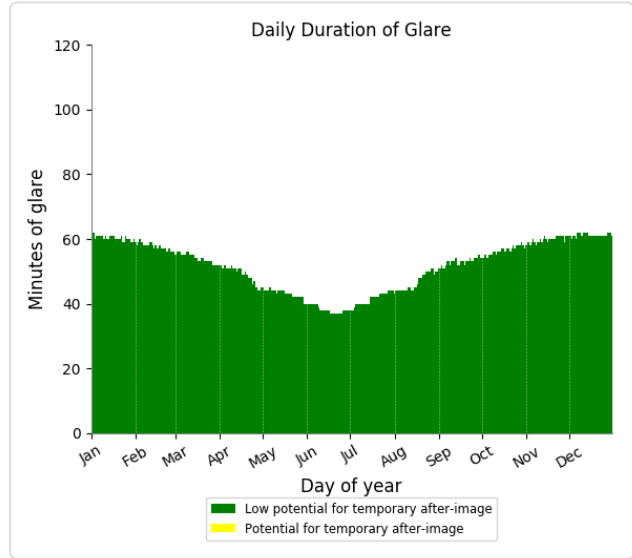
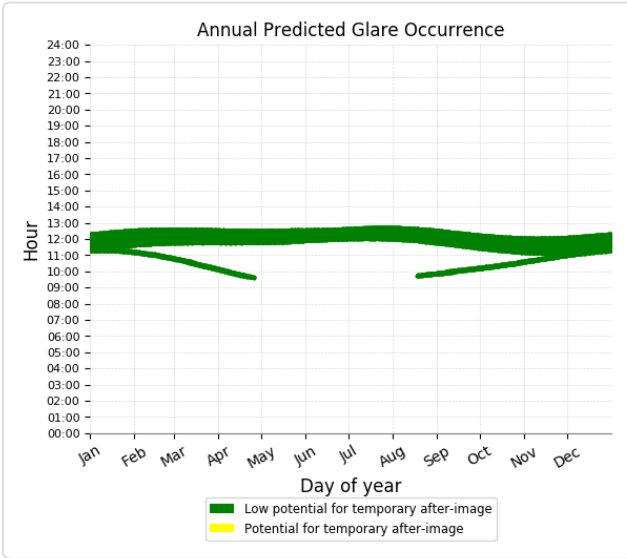
108 - Route Receptor (Thomas Road Braeburn Court)

No glare found

108 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 18,874 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	33463	0

109 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

109 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

109 - Receptor (Hornback Airstrip Northbound)

No glare found

109 - Receptor (Hornback Airstrip Southbound)

No glare found

109 - Receptor (Oz Airport NE Bound)

No glare found

109 - Receptor (Oz Airport SW Bound)

No glare found

109 - Receptor (Vine Grove Airport NW Bound)

No glare found

109 - Receptor (Vine Grove Airport SE Bound)

No glare found

109 - OP Receptor (OP 1)

No glare found

109 - OP Receptor (OP 2)

No glare found

109 - OP Receptor (OP 3)

No glare found

109 - OP Receptor (OP 4)

No glare found

109 - OP Receptor (OP 5)

No glare found

109 - OP Receptor (OP 6)

No glare found

109 - OP Receptor (OP 7)

No glare found

109 - OP Receptor (OP 8)

No glare found

109 - OP Receptor (OP 9)

No glare found

109 - OP Receptor (OP 10)

No glare found

109 - OP Receptor (OP 11)

No glare found

109 - OP Receptor (OP 12)

No glare found

109 - OP Receptor (OP 13)

No glare found

109 - OP Receptor (OP 14)

No glare found

109 - OP Receptor (OP 15)

No glare found

109 - OP Receptor (OP 16)

No glare found

109 - OP Receptor (OP 17)

No glare found

109 - OP Receptor (OP 18)

No glare found

109 - OP Receptor (OP 19)

No glare found

109 - OP Receptor (OP 20)

No glare found

109 - OP Receptor (OP 21)

No glare found

109 - OP Receptor (OP 22)

No glare found

109 - OP Receptor (OP 23)

No glare found

109 - OP Receptor (OP 24)

No glare found

109 - OP Receptor (OP 25)

No glare found

109 - OP Receptor (OP 26)

No glare found

109 - OP Receptor (OP 27)

No glare found

109 - OP Receptor (OP 28)

No glare found

109 - OP Receptor (OP 29)

No glare found

109 - OP Receptor (OP 30)

No glare found

109 - OP Receptor (OP 31)

No glare found

109 - OP Receptor (OP 32)

No glare found

109 - OP Receptor (OP 33)

No glare found

109 - OP Receptor (OP 34)

No glare found

109 - OP Receptor (OP 35)

No glare found

109 - OP Receptor (OP 36)

No glare found

109 - OP Receptor (OP 37)

No glare found

109 - OP Receptor (OP 38)

No glare found

109 - OP Receptor (OP 39)

No glare found

109 - OP Receptor (OP 40)

No glare found

109 - Route Receptor (Aiden Lane)

No glare found

109 - Route Receptor (Alcott Court Arden Court)

No glare found

109 - Route Receptor (Canton Road)

No glare found

109 - Route Receptor (Cecelia Road)

No glare found

109 - Route Receptor (Damson Trail)

No glare found

109 - Route Receptor (Goodman Lane)

No glare found

109 - Route Receptor (Hayden School Road)

No glare found

109 - Route Receptor (Hopewell Court Radford Court)

No glare found

109 - Route Receptor (Kitty Hawk Drive)

No glare found

109 - Route Receptor (St John Road)

No glare found

109 - Route Receptor (Thomas Cecelia road)

No glare found

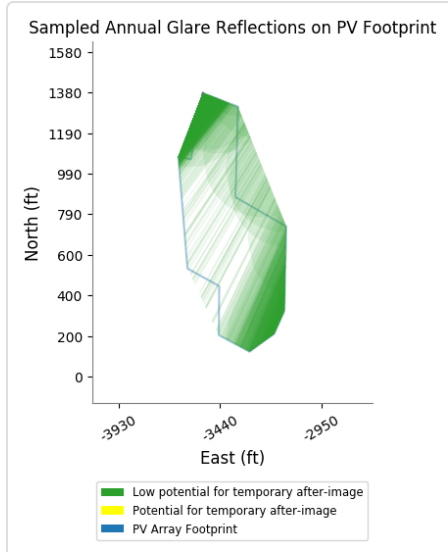
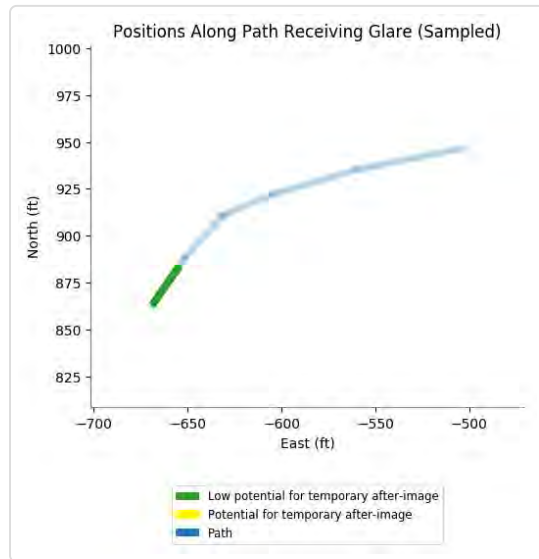
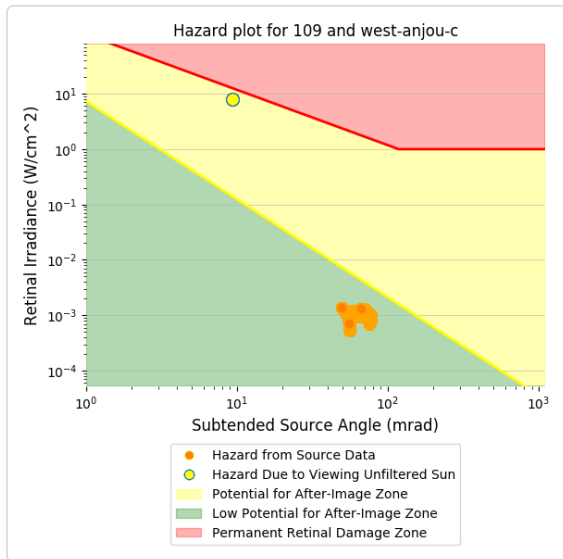
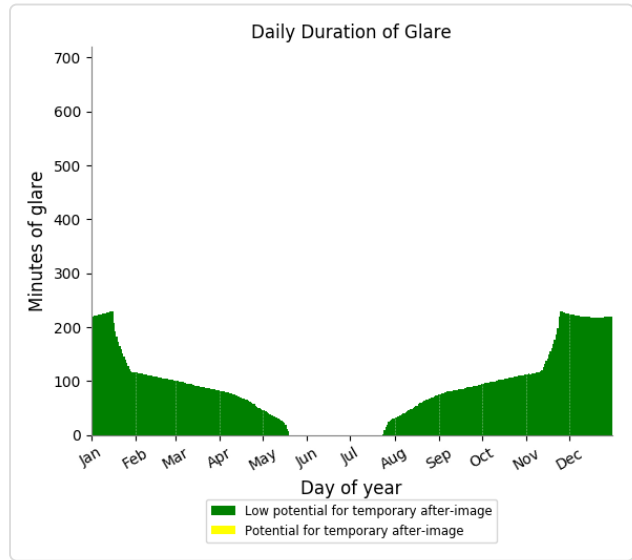
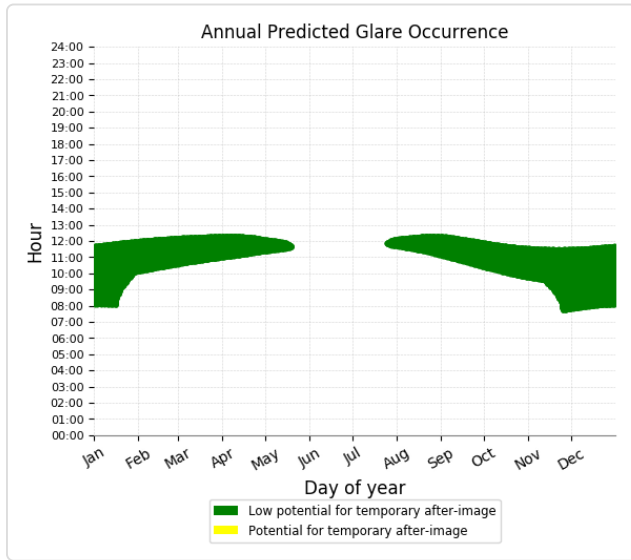
109 - Route Receptor (Thomas Road Braeburn Court)

No glare found

109 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 33,463 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



110 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	55997	0

110 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

110 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

110 - Receptor (Hornback Airstrip Northbound)

No glare found

110 - Receptor (Hornback Airstrip Southbound)

No glare found

110 - Receptor (Oz Airport NE Bound)

No glare found

110 - Receptor (Oz Airport SW Bound)

No glare found

110 - Receptor (Vine Grove Airport NW Bound)

No glare found

110 - Receptor (Vine Grove Airport SE Bound)

No glare found

110 - OP Receptor (OP 1)

No glare found

110 - OP Receptor (OP 2)

No glare found

110 - OP Receptor (OP 3)

No glare found

110 - OP Receptor (OP 4)

No glare found

110 - OP Receptor (OP 5)

No glare found

110 - OP Receptor (OP 6)

No glare found

110 - OP Receptor (OP 7)

No glare found

110 - OP Receptor (OP 8)

No glare found

110 - OP Receptor (OP 9)

No glare found

110 - OP Receptor (OP 10)

No glare found

110 - OP Receptor (OP 11)

No glare found

110 - OP Receptor (OP 12)

No glare found

110 - OP Receptor (OP 13)

No glare found

110 - OP Receptor (OP 14)

No glare found

110 - OP Receptor (OP 15)

No glare found

110 - OP Receptor (OP 16)

No glare found

110 - OP Receptor (OP 17)

No glare found

110 - OP Receptor (OP 18)

No glare found

110 - OP Receptor (OP 19)

No glare found

110 - OP Receptor (OP 20)

No glare found

110 - OP Receptor (OP 21)

No glare found

110 - OP Receptor (OP 22)

No glare found

110 - OP Receptor (OP 23)

No glare found

110 - OP Receptor (OP 24)

No glare found

110 - OP Receptor (OP 25)

No glare found

110 - OP Receptor (OP 26)

No glare found

110 - OP Receptor (OP 27)

No glare found

110 - OP Receptor (OP 28)

No glare found

110 - OP Receptor (OP 29)

No glare found

110 - OP Receptor (OP 30)

No glare found

110 - OP Receptor (OP 31)

No glare found

110 - OP Receptor (OP 32)

No glare found

110 - OP Receptor (OP 33)

No glare found

110 - OP Receptor (OP 34)

No glare found

110 - OP Receptor (OP 35)

No glare found

110 - OP Receptor (OP 36)

No glare found

110 - OP Receptor (OP 37)

No glare found

110 - OP Receptor (OP 38)

No glare found

110 - OP Receptor (OP 39)

No glare found

110 - OP Receptor (OP 40)

No glare found

110 - Route Receptor (Aiden Lane)

No glare found

110 - Route Receptor (Alcott Court Arden Court)

No glare found

110 - Route Receptor (Canton Road)

No glare found

110 - Route Receptor (Cecelia Road)

No glare found

110 - Route Receptor (Damson Trail)

No glare found

110 - Route Receptor (Goodman Lane)

No glare found

110 - Route Receptor (Hayden School Road)

No glare found

110 - Route Receptor (Hopewell Court Radford Court)

No glare found

110 - Route Receptor (Kitty Hawk Drive)

No glare found

110 - Route Receptor (St John Road)

No glare found

110 - Route Receptor (Thomas Cecelia road)

No glare found

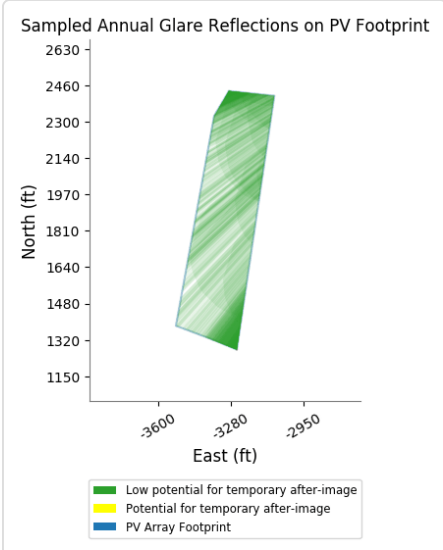
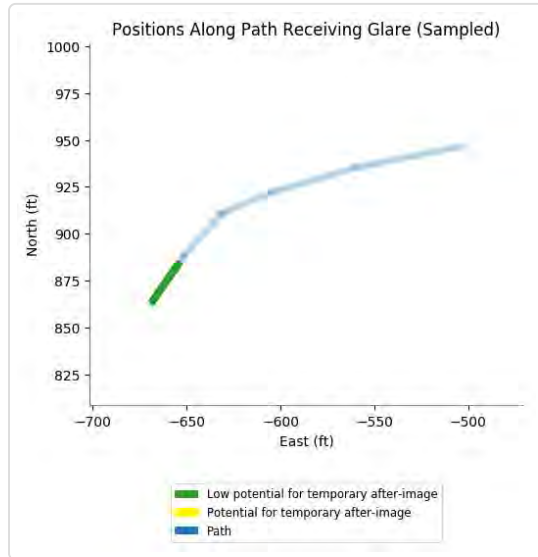
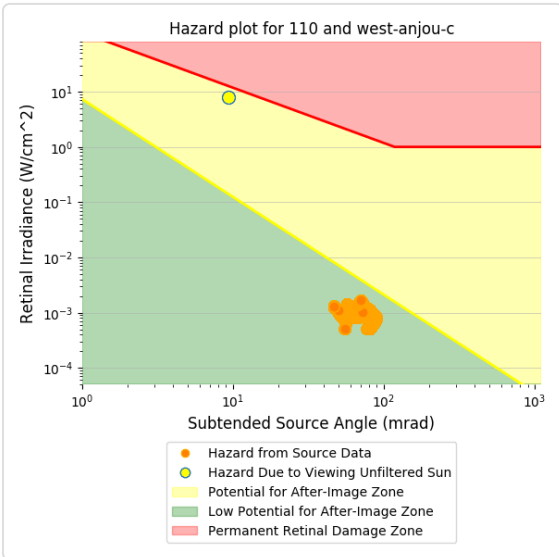
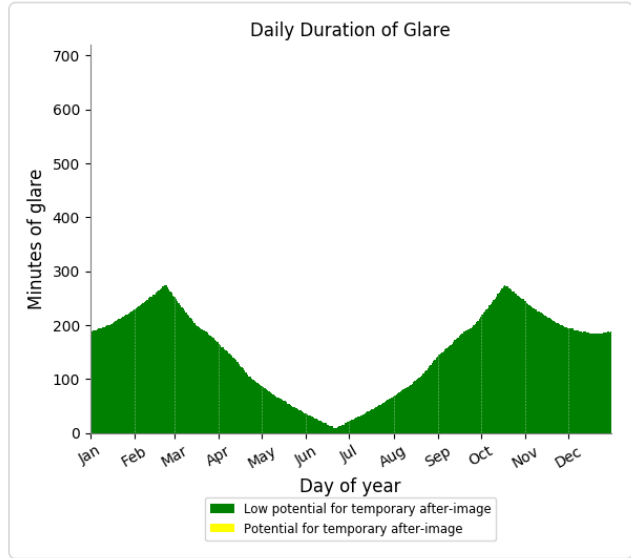
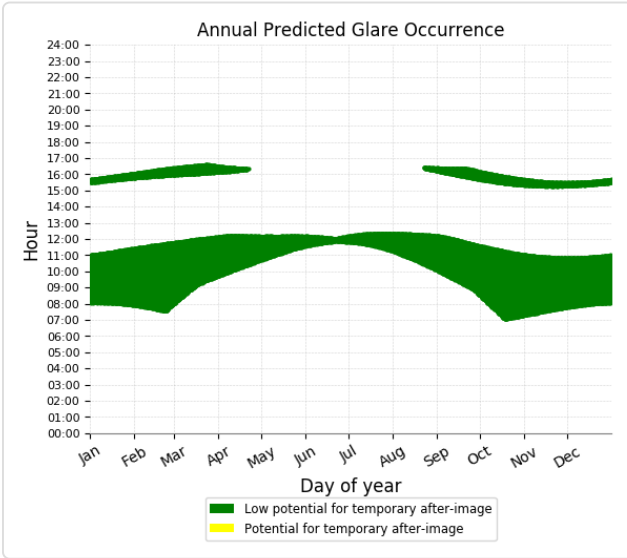
110 - Route Receptor (Thomas Road Braeburn Court)

No glare found

110 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 55,997 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	18910	0

111 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

111 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

111 - Receptor (Hornback Airstrip Northbound)

No glare found

111 - Receptor (Hornback Airstrip Southbound)

No glare found

111 - Receptor (Oz Airport NE Bound)

No glare found

111 - Receptor (Oz Airport SW Bound)

No glare found

111 - Receptor (Vine Grove Airport NW Bound)

No glare found

111 - Receptor (Vine Grove Airport SE Bound)

No glare found

111 - OP Receptor (OP 1)

No glare found

111 - OP Receptor (OP 2)

No glare found

111 - OP Receptor (OP 3)

No glare found

111 - OP Receptor (OP 4)

No glare found

111 - OP Receptor (OP 5)

No glare found

111 - OP Receptor (OP 6)

No glare found

111 - OP Receptor (OP 7)

No glare found

111 - OP Receptor (OP 8)

No glare found

111 - OP Receptor (OP 9)

No glare found

111 - OP Receptor (OP 10)

No glare found

111 - OP Receptor (OP 11)

No glare found

111 - OP Receptor (OP 12)

No glare found

111 - OP Receptor (OP 13)

No glare found

111 - OP Receptor (OP 14)

No glare found

111 - OP Receptor (OP 15)

No glare found

111 - OP Receptor (OP 16)

No glare found

111 - OP Receptor (OP 17)

No glare found

111 - OP Receptor (OP 18)

No glare found

111 - OP Receptor (OP 19)

No glare found

111 - OP Receptor (OP 20)

No glare found

111 - OP Receptor (OP 21)

No glare found

111 - OP Receptor (OP 22)

No glare found

111 - OP Receptor (OP 23)

No glare found

111 - OP Receptor (OP 24)

No glare found

111 - OP Receptor (OP 25)

No glare found

111 - OP Receptor (OP 26)

No glare found

111 - OP Receptor (OP 27)

No glare found

111 - OP Receptor (OP 28)

No glare found

111 - OP Receptor (OP 29)

No glare found

111 - OP Receptor (OP 30)

No glare found

111 - OP Receptor (OP 31)

No glare found

111 - OP Receptor (OP 32)

No glare found

111 - OP Receptor (OP 33)

No glare found

111 - OP Receptor (OP 34)

No glare found

111 - OP Receptor (OP 35)

No glare found

111 - OP Receptor (OP 36)

No glare found

111 - OP Receptor (OP 37)

No glare found

111 - OP Receptor (OP 38)

No glare found

111 - OP Receptor (OP 39)

No glare found

111 - OP Receptor (OP 40)

No glare found

111 - Route Receptor (Aiden Lane)

No glare found

111 - Route Receptor (Alcott Court Arden Court)

No glare found

111 - Route Receptor (Canton Road)

No glare found

111 - Route Receptor (Cecelia Road)

No glare found

111 - Route Receptor (Damson Trail)

No glare found

111 - Route Receptor (Goodman Lane)

No glare found

111 - Route Receptor (Hayden School Road)

No glare found

111 - Route Receptor (Hopewell Court Radford Court)

No glare found

111 - Route Receptor (Kitty Hawk Drive)

No glare found

111 - Route Receptor (St John Road)

No glare found

111 - Route Receptor (Thomas Cecelia road)

No glare found

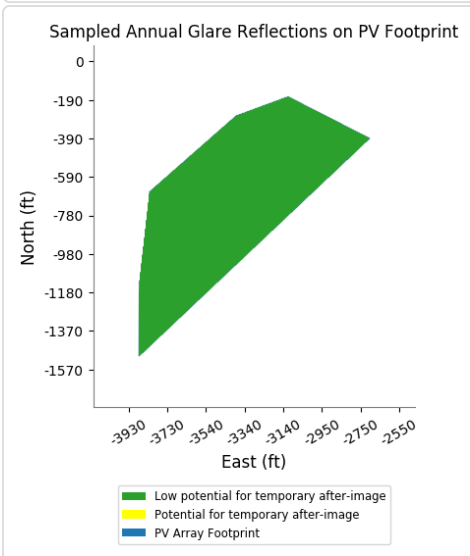
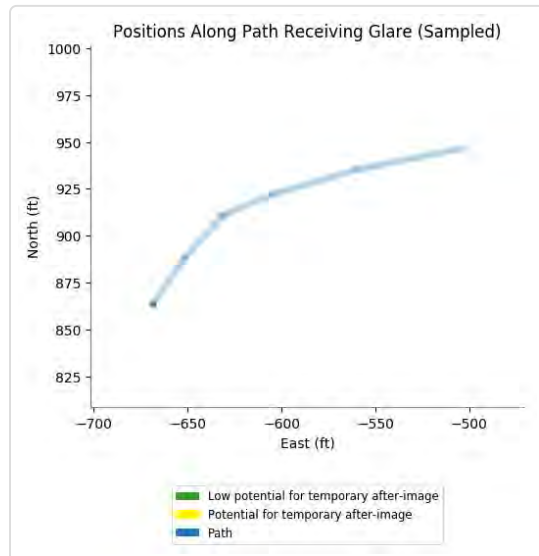
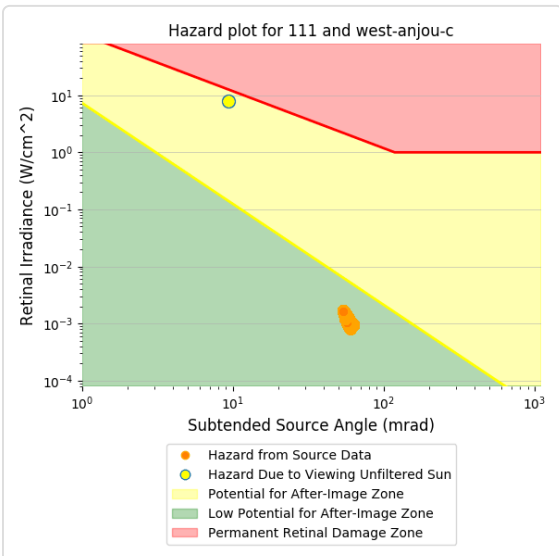
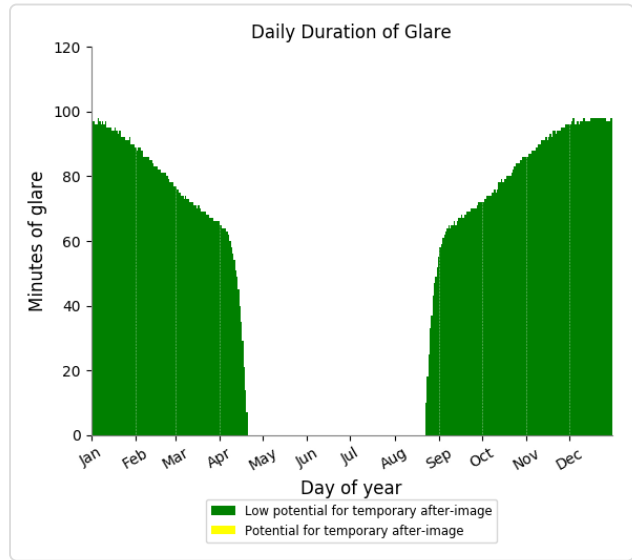
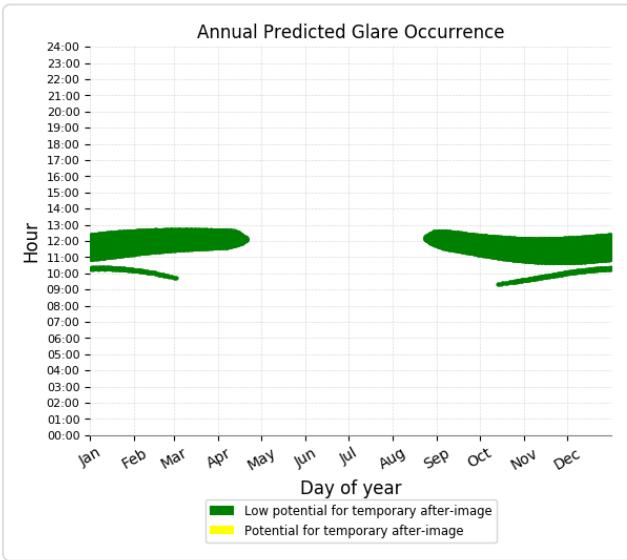
111 - Route Receptor (Thomas Road Braeburn Court)

No glare found

111 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 18,910 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	17314	0

112 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

112 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

112 - Receptor (Hornback Airstrip Northbound)

No glare found

112 - Receptor (Hornback Airstrip Southbound)

No glare found

112 - Receptor (Oz Airport NE Bound)

No glare found

112 - Receptor (Oz Airport SW Bound)

No glare found

112 - Receptor (Vine Grove Airport NW Bound)

No glare found

112 - Receptor (Vine Grove Airport SE Bound)

No glare found

112 - OP Receptor (OP 1)

No glare found

112 - OP Receptor (OP 2)

No glare found

112 - OP Receptor (OP 3)

No glare found

112 - OP Receptor (OP 4)

No glare found

112 - OP Receptor (OP 5)

No glare found

112 - OP Receptor (OP 6)

No glare found

112 - OP Receptor (OP 7)

No glare found

112 - OP Receptor (OP 8)

No glare found

112 - OP Receptor (OP 9)

No glare found

112 - OP Receptor (OP 10)

No glare found

112 - OP Receptor (OP 11)

No glare found

112 - OP Receptor (OP 12)

No glare found

112 - OP Receptor (OP 13)

No glare found

112 - OP Receptor (OP 14)

No glare found

112 - OP Receptor (OP 15)

No glare found

112 - OP Receptor (OP 16)

No glare found

112 - OP Receptor (OP 17)

No glare found

112 - OP Receptor (OP 18)

No glare found

112 - OP Receptor (OP 19)

No glare found

112 - OP Receptor (OP 20)

No glare found

112 - OP Receptor (OP 21)

No glare found

112 - OP Receptor (OP 22)

No glare found

112 - OP Receptor (OP 23)

No glare found

112 - OP Receptor (OP 24)

No glare found

112 - OP Receptor (OP 25)

No glare found

112 - OP Receptor (OP 26)

No glare found

112 - OP Receptor (OP 27)

No glare found

112 - OP Receptor (OP 28)

No glare found

112 - OP Receptor (OP 29)

No glare found

112 - OP Receptor (OP 30)

No glare found

112 - OP Receptor (OP 31)

No glare found

112 - OP Receptor (OP 32)

No glare found

112 - OP Receptor (OP 33)

No glare found

112 - OP Receptor (OP 34)

No glare found

112 - OP Receptor (OP 35)

No glare found

112 - OP Receptor (OP 36)

No glare found

112 - OP Receptor (OP 37)

No glare found

112 - OP Receptor (OP 38)

No glare found

112 - OP Receptor (OP 39)

No glare found

112 - OP Receptor (OP 40)

No glare found

112 - Route Receptor (Aiden Lane)

No glare found

112 - Route Receptor (Alcott Court Arden Court)

No glare found

112 - Route Receptor (Canton Road)

No glare found

112 - Route Receptor (Cecelia Road)

No glare found

112 - Route Receptor (Damson Trail)

No glare found

112 - Route Receptor (Goodman Lane)

No glare found

112 - Route Receptor (Hayden School Road)

No glare found

112 - Route Receptor (Hopewell Court Radford Court)

No glare found

112 - Route Receptor (Kitty Hawk Drive)

No glare found

112 - Route Receptor (St John Road)

No glare found

112 - Route Receptor (Thomas Cecelia road)

No glare found

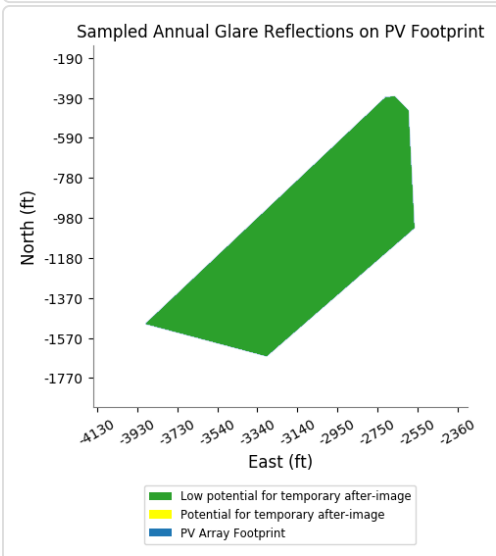
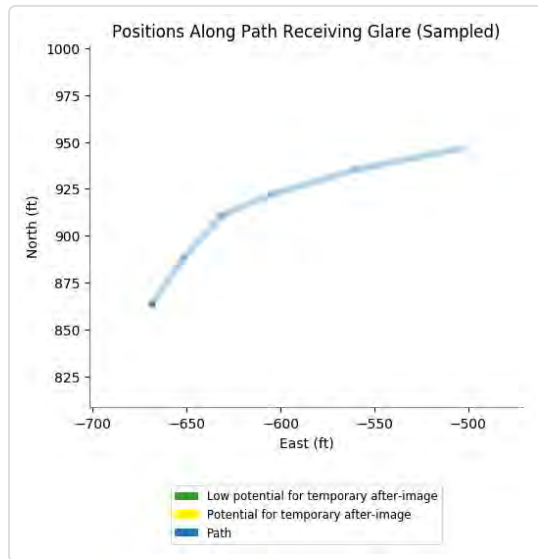
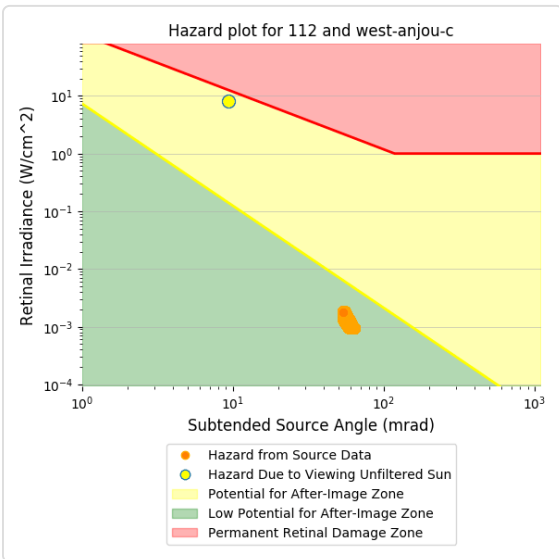
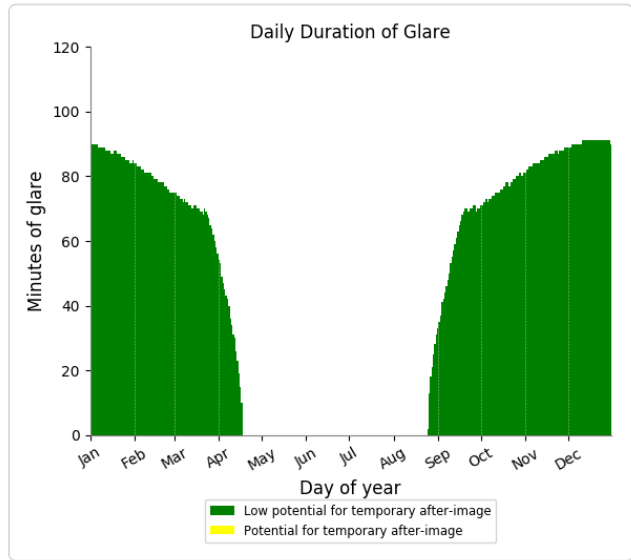
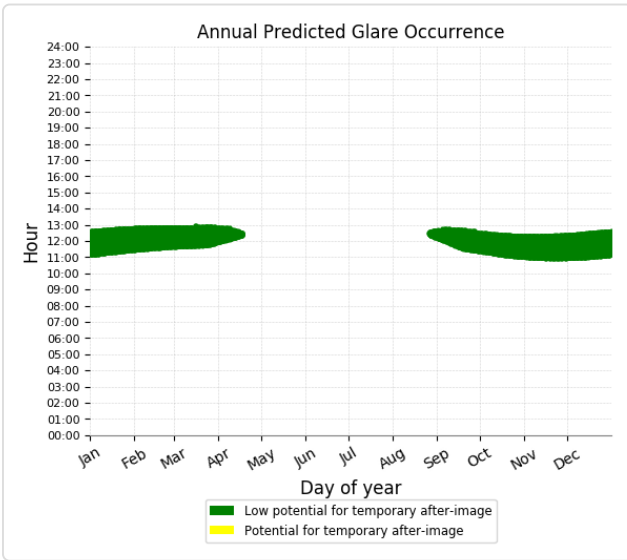
112 - Route Receptor (Thomas Road Braeburn Court)

No glare found

112 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 17,314 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



113 low potential for temporary after-image

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	21198	0

113 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

113 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

113 - Receptor (Hornback Airstrip Northbound)

No glare found

113 - Receptor (Hornback Airstrip Southbound)

No glare found

113 - Receptor (Oz Airport NE Bound)

No glare found

113 - Receptor (Oz Airport SW Bound)

No glare found

113 - Receptor (Vine Grove Airport NW Bound)

No glare found

113 - Receptor (Vine Grove Airport SE Bound)

No glare found

113 - OP Receptor (OP 1)

No glare found

113 - OP Receptor (OP 2)

No glare found

113 - OP Receptor (OP 3)

No glare found

113 - OP Receptor (OP 4)

No glare found

113 - OP Receptor (OP 5)

No glare found

113 - OP Receptor (OP 6)

No glare found

113 - OP Receptor (OP 7)

No glare found

113 - OP Receptor (OP 8)

No glare found

113 - OP Receptor (OP 9)

No glare found

113 - OP Receptor (OP 10)

No glare found

113 - OP Receptor (OP 11)

No glare found

113 - OP Receptor (OP 12)

No glare found

113 - OP Receptor (OP 13)

No glare found

113 - OP Receptor (OP 14)

No glare found

113 - OP Receptor (OP 15)

No glare found

113 - OP Receptor (OP 16)

No glare found

113 - OP Receptor (OP 17)

No glare found

113 - OP Receptor (OP 18)

No glare found

113 - OP Receptor (OP 19)

No glare found

113 - OP Receptor (OP 20)

No glare found

113 - OP Receptor (OP 21)

No glare found

113 - OP Receptor (OP 22)

No glare found

113 - OP Receptor (OP 23)

No glare found

113 - OP Receptor (OP 24)

No glare found

113 - OP Receptor (OP 25)

No glare found

113 - OP Receptor (OP 26)

No glare found

113 - OP Receptor (OP 27)

No glare found

113 - OP Receptor (OP 28)

No glare found

113 - OP Receptor (OP 29)

No glare found

113 - OP Receptor (OP 30)

No glare found

113 - OP Receptor (OP 31)

No glare found

113 - OP Receptor (OP 32)

No glare found

113 - OP Receptor (OP 33)

No glare found

113 - OP Receptor (OP 34)

No glare found

113 - OP Receptor (OP 35)

No glare found

113 - OP Receptor (OP 36)

No glare found

113 - OP Receptor (OP 37)

No glare found

113 - OP Receptor (OP 38)

No glare found

113 - OP Receptor (OP 39)

No glare found

113 - OP Receptor (OP 40)

No glare found

113 - Route Receptor (Aiden Lane)

No glare found

113 - Route Receptor (Alcott Court Arden Court)

No glare found

113 - Route Receptor (Canton Road)

No glare found

113 - Route Receptor (Cecelia Road)

No glare found

113 - Route Receptor (Damson Trail)

No glare found

113 - Route Receptor (Goodman Lane)

No glare found

113 - Route Receptor (Hayden School Road)

No glare found

113 - Route Receptor (Hopewell Court Radford Court)

No glare found

113 - Route Receptor (Kitty Hawk Drive)

No glare found

113 - Route Receptor (St John Road)

No glare found

113 - Route Receptor (Thomas Cecelia road)

No glare found

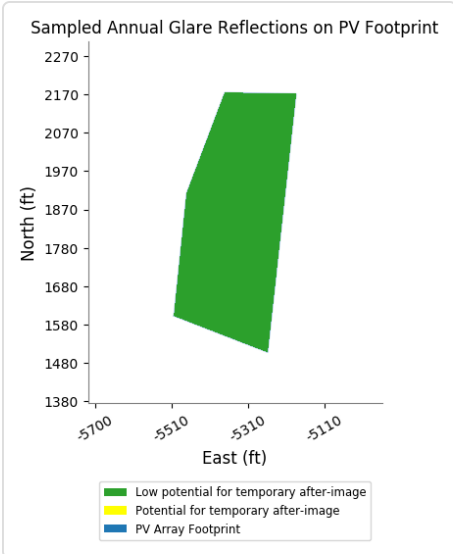
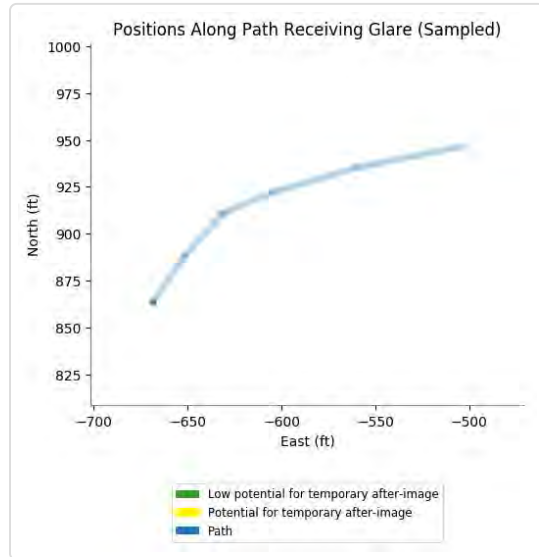
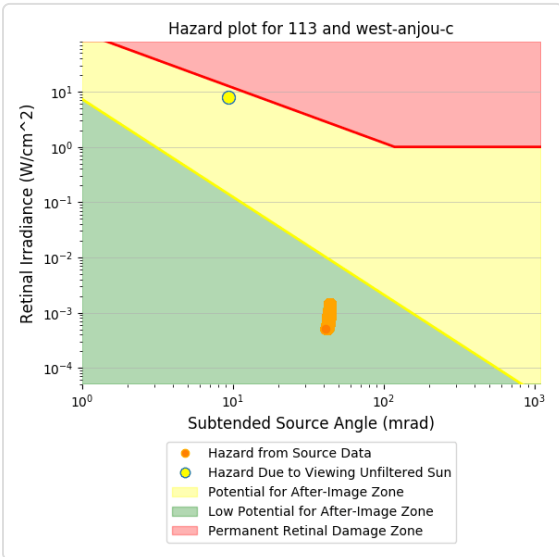
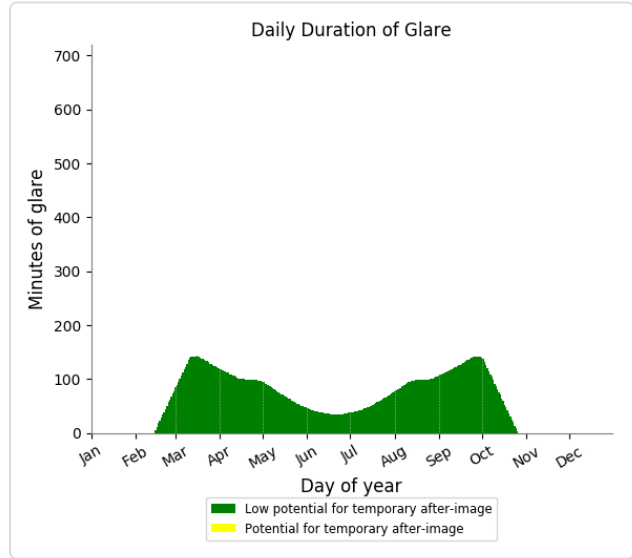
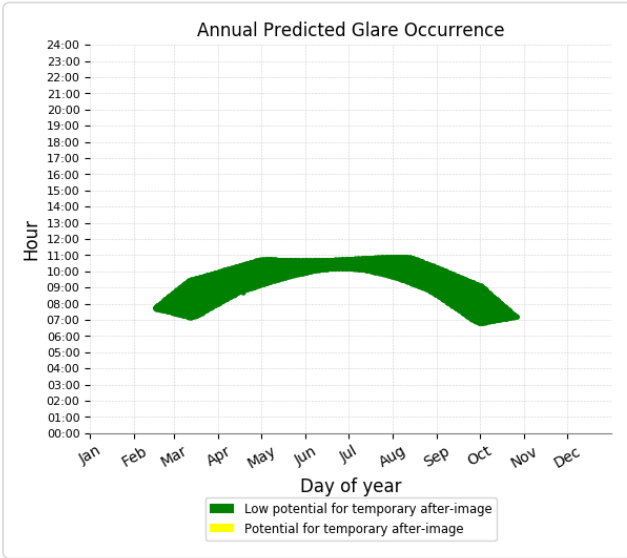
113 - Route Receptor (Thomas Road Braeburn Court)

No glare found

113 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 21,198 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
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OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
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OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	20353	0

114 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

114 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

114 - Receptor (Hornback Airstrip Northbound)

No glare found

114 - Receptor (Hornback Airstrip Southbound)

No glare found

114 - Receptor (Oz Airport NE Bound)

No glare found

114 - Receptor (Oz Airport SW Bound)

No glare found

114 - Receptor (Vine Grove Airport NW Bound)

No glare found

114 - Receptor (Vine Grove Airport SE Bound)

No glare found

114 - OP Receptor (OP 1)

No glare found

114 - OP Receptor (OP 2)

No glare found

114 - OP Receptor (OP 3)

No glare found

114 - OP Receptor (OP 4)

No glare found

114 - OP Receptor (OP 5)

No glare found

114 - OP Receptor (OP 6)

No glare found

114 - OP Receptor (OP 7)

No glare found

114 - OP Receptor (OP 8)

No glare found

114 - OP Receptor (OP 9)

No glare found

114 - OP Receptor (OP 10)

No glare found

114 - OP Receptor (OP 11)

No glare found

114 - OP Receptor (OP 12)

No glare found

114 - OP Receptor (OP 13)

No glare found

114 - OP Receptor (OP 14)

No glare found

114 - OP Receptor (OP 15)

No glare found

114 - OP Receptor (OP 16)

No glare found

114 - OP Receptor (OP 17)

No glare found

114 - OP Receptor (OP 18)

No glare found

114 - OP Receptor (OP 19)

No glare found

114 - OP Receptor (OP 20)

No glare found

114 - OP Receptor (OP 21)

No glare found

114 - OP Receptor (OP 22)

No glare found

114 - OP Receptor (OP 23)

No glare found

114 - OP Receptor (OP 24)

No glare found

114 - OP Receptor (OP 25)

No glare found

114 - OP Receptor (OP 26)

No glare found

114 - OP Receptor (OP 27)

No glare found

114 - OP Receptor (OP 28)

No glare found

114 - OP Receptor (OP 29)

No glare found

114 - OP Receptor (OP 30)

No glare found

114 - OP Receptor (OP 31)

No glare found

114 - OP Receptor (OP 32)

No glare found

114 - OP Receptor (OP 33)

No glare found

114 - OP Receptor (OP 34)

No glare found

114 - OP Receptor (OP 35)

No glare found

114 - OP Receptor (OP 36)

No glare found

114 - OP Receptor (OP 37)

No glare found

114 - OP Receptor (OP 38)

No glare found

114 - OP Receptor (OP 39)

No glare found

114 - OP Receptor (OP 40)

No glare found

114 - Route Receptor (Aiden Lane)

No glare found

114 - Route Receptor (Alcott Court Arden Court)

No glare found

114 - Route Receptor (Canton Road)

No glare found

114 - Route Receptor (Cecelia Road)

No glare found

114 - Route Receptor (Damson Trail)

No glare found

114 - Route Receptor (Goodman Lane)

No glare found

114 - Route Receptor (Hayden School Road)

No glare found

114 - Route Receptor (Hopewell Court Radford Court)

No glare found

114 - Route Receptor (Kitty Hawk Drive)

No glare found

114 - Route Receptor (St John Road)

No glare found

114 - Route Receptor (Thomas Cecelia road)

No glare found

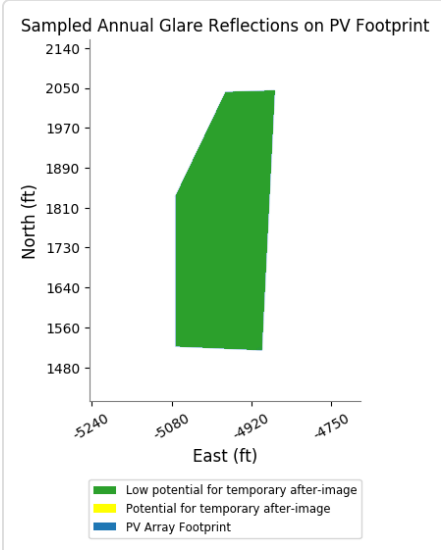
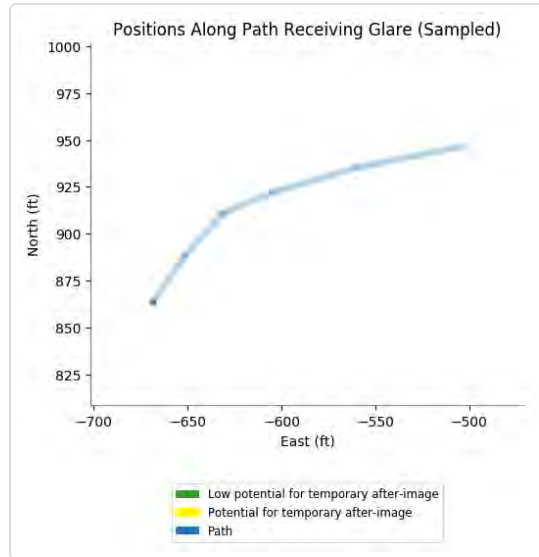
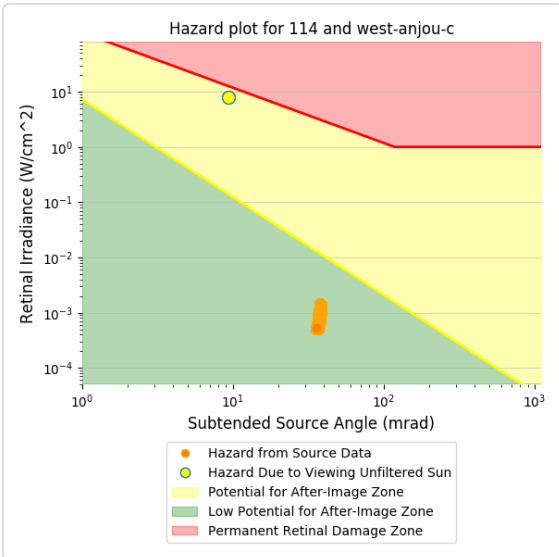
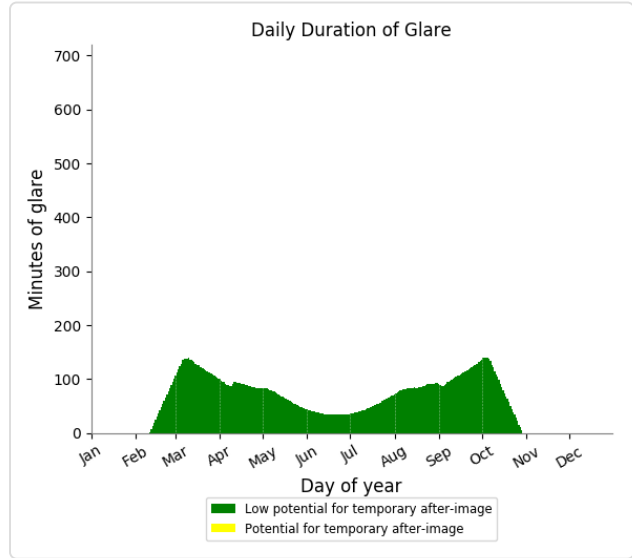
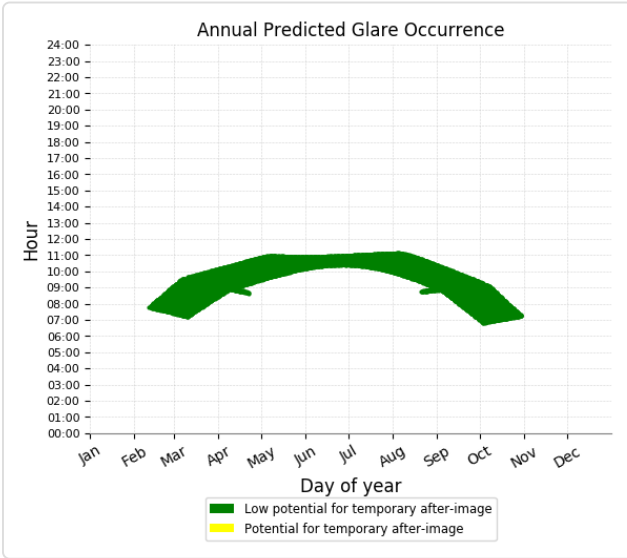
114 - Route Receptor (Thomas Road Braeburn Court)

No glare found

114 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 20,353 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	26922	0

115 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

115 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

115 - Receptor (Hornback Airstrip Northbound)

No glare found

115 - Receptor (Hornback Airstrip Southbound)

No glare found

115 - Receptor (Oz Airport NE Bound)

No glare found

115 - Receptor (Oz Airport SW Bound)

No glare found

115 - Receptor (Vine Grove Airport NW Bound)

No glare found

115 - Receptor (Vine Grove Airport SE Bound)

No glare found

115 - OP Receptor (OP 1)

No glare found

115 - OP Receptor (OP 2)

No glare found

115 - OP Receptor (OP 3)

No glare found

115 - OP Receptor (OP 4)

No glare found

115 - OP Receptor (OP 5)

No glare found

115 - OP Receptor (OP 6)

No glare found

115 - OP Receptor (OP 7)

No glare found

115 - OP Receptor (OP 8)

No glare found

115 - OP Receptor (OP 9)

No glare found

115 - OP Receptor (OP 10)

No glare found

115 - OP Receptor (OP 11)

No glare found

115 - OP Receptor (OP 12)

No glare found

115 - OP Receptor (OP 13)

No glare found

115 - OP Receptor (OP 14)

No glare found

115 - OP Receptor (OP 15)

No glare found

115 - OP Receptor (OP 16)

No glare found

115 - OP Receptor (OP 17)

No glare found

115 - OP Receptor (OP 18)

No glare found

115 - OP Receptor (OP 19)

No glare found

115 - OP Receptor (OP 20)

No glare found

115 - OP Receptor (OP 21)

No glare found

115 - OP Receptor (OP 22)

No glare found

115 - OP Receptor (OP 23)

No glare found

115 - OP Receptor (OP 24)

No glare found

115 - OP Receptor (OP 25)

No glare found

115 - OP Receptor (OP 26)

No glare found

115 - OP Receptor (OP 27)

No glare found

115 - OP Receptor (OP 28)

No glare found

115 - OP Receptor (OP 29)

No glare found

115 - OP Receptor (OP 30)

No glare found

115 - OP Receptor (OP 31)

No glare found

115 - OP Receptor (OP 32)

No glare found

115 - OP Receptor (OP 33)

No glare found

115 - OP Receptor (OP 34)

No glare found

115 - OP Receptor (OP 35)

No glare found

115 - OP Receptor (OP 36)

No glare found

115 - OP Receptor (OP 37)

No glare found

115 - OP Receptor (OP 38)

No glare found

115 - OP Receptor (OP 39)

No glare found

115 - OP Receptor (OP 40)

No glare found

115 - Route Receptor (Aiden Lane)

No glare found

115 - Route Receptor (Alcott Court Arden Court)

No glare found

115 - Route Receptor (Canton Road)

No glare found

115 - Route Receptor (Cecelia Road)

No glare found

115 - Route Receptor (Damson Trail)

No glare found

115 - Route Receptor (Goodman Lane)

No glare found

115 - Route Receptor (Hayden School Road)

No glare found

115 - Route Receptor (Hopewell Court Radford Court)

No glare found

115 - Route Receptor (Kitty Hawk Drive)

No glare found

115 - Route Receptor (St John Road)

No glare found

115 - Route Receptor (Thomas Cecelia road)

No glare found

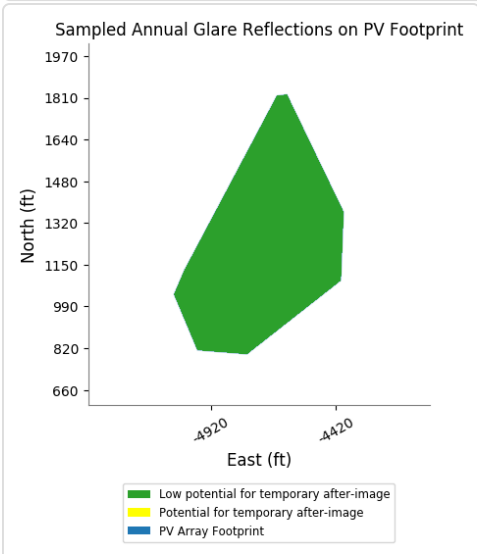
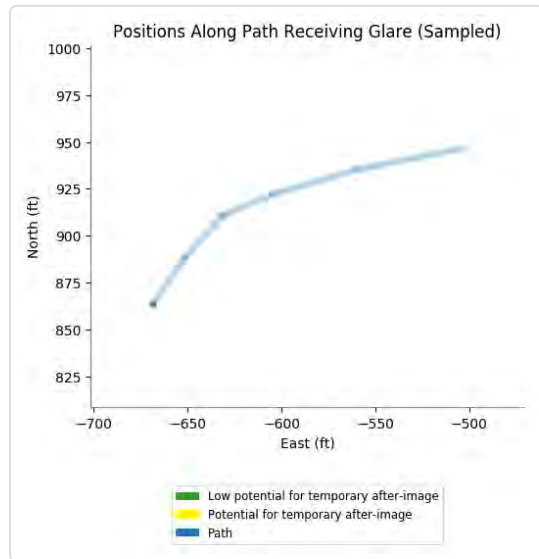
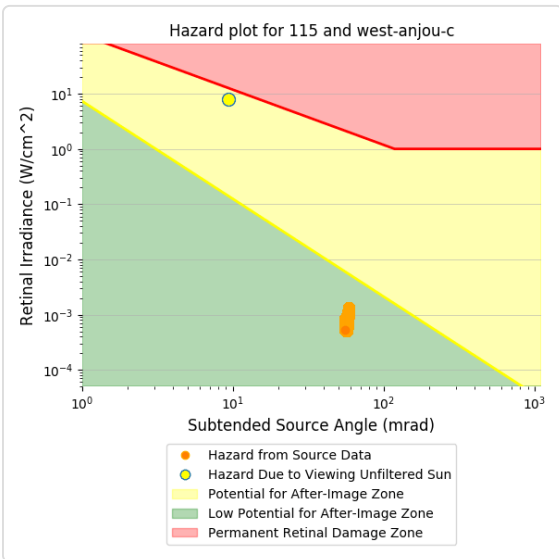
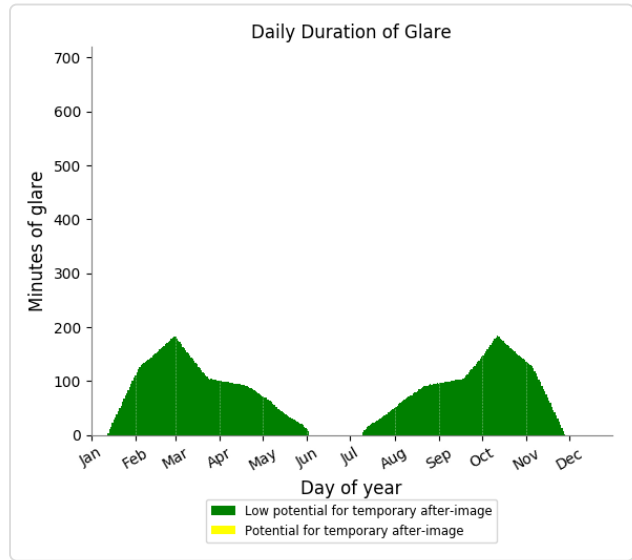
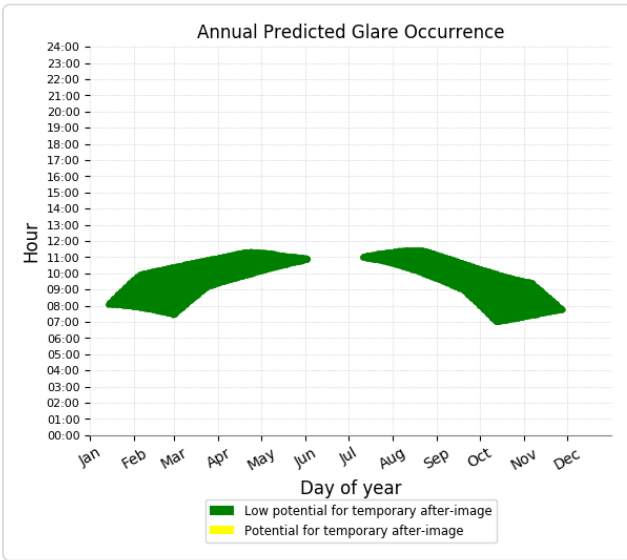
115 - Route Receptor (Thomas Road Braeburn Court)

No glare found

115 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 26,922 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	39215	0

116 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

116 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

116 - Receptor (Hornback Airstrip Northbound)

No glare found

116 - Receptor (Hornback Airstrip Southbound)

No glare found

116 - Receptor (Oz Airport NE Bound)

No glare found

116 - Receptor (Oz Airport SW Bound)

No glare found

116 - Receptor (Vine Grove Airport NW Bound)

No glare found

116 - Receptor (Vine Grove Airport SE Bound)

No glare found

116 - OP Receptor (OP 1)

No glare found

116 - OP Receptor (OP 2)

No glare found

116 - OP Receptor (OP 3)

No glare found

116 - OP Receptor (OP 4)

No glare found

116 - OP Receptor (OP 5)

No glare found

116 - OP Receptor (OP 6)

No glare found

116 - OP Receptor (OP 7)

No glare found

116 - OP Receptor (OP 8)

No glare found

116 - OP Receptor (OP 9)

No glare found

116 - OP Receptor (OP 10)

No glare found

116 - OP Receptor (OP 11)

No glare found

116 - OP Receptor (OP 12)

No glare found

116 - OP Receptor (OP 13)

No glare found

116 - OP Receptor (OP 14)

No glare found

116 - OP Receptor (OP 15)

No glare found

116 - OP Receptor (OP 16)

No glare found

116 - OP Receptor (OP 17)

No glare found

116 - OP Receptor (OP 18)

No glare found

116 - OP Receptor (OP 19)

No glare found

116 - OP Receptor (OP 20)

No glare found

116 - OP Receptor (OP 21)

No glare found

116 - OP Receptor (OP 22)

No glare found

116 - OP Receptor (OP 23)

No glare found

116 - OP Receptor (OP 24)

No glare found

116 - OP Receptor (OP 25)

No glare found

116 - OP Receptor (OP 26)

No glare found

116 - OP Receptor (OP 27)

No glare found

116 - OP Receptor (OP 28)

No glare found

116 - OP Receptor (OP 29)

No glare found

116 - OP Receptor (OP 30)

No glare found

116 - OP Receptor (OP 31)

No glare found

116 - OP Receptor (OP 32)

No glare found

116 - OP Receptor (OP 33)

No glare found

116 - OP Receptor (OP 34)

No glare found

116 - OP Receptor (OP 35)

No glare found

116 - OP Receptor (OP 36)

No glare found

116 - OP Receptor (OP 37)

No glare found

116 - OP Receptor (OP 38)

No glare found

116 - OP Receptor (OP 39)

No glare found

116 - OP Receptor (OP 40)

No glare found

116 - Route Receptor (Aiden Lane)

No glare found

116 - Route Receptor (Alcott Court Arden Court)

No glare found

116 - Route Receptor (Canton Road)

No glare found

116 - Route Receptor (Cecelia Road)

No glare found

116 - Route Receptor (Damson Trail)

No glare found

116 - Route Receptor (Goodman Lane)

No glare found

116 - Route Receptor (Hayden School Road)

No glare found

116 - Route Receptor (Hopewell Court Radford Court)

No glare found

116 - Route Receptor (Kitty Hawk Drive)

No glare found

116 - Route Receptor (St John Road)

No glare found

116 - Route Receptor (Thomas Cecelia road)

No glare found

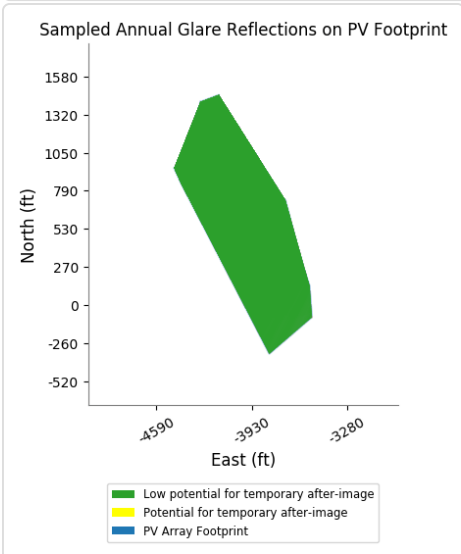
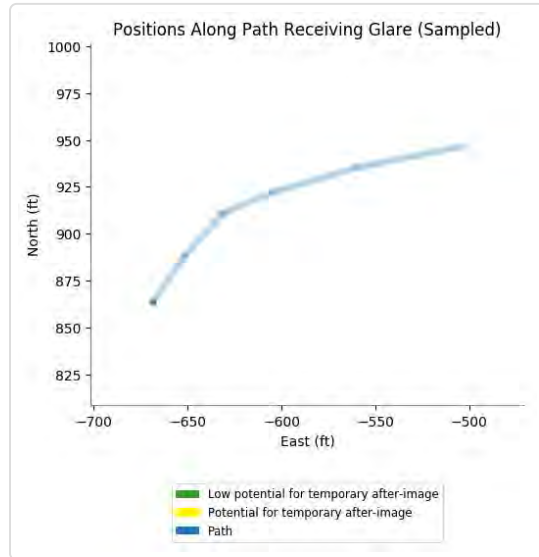
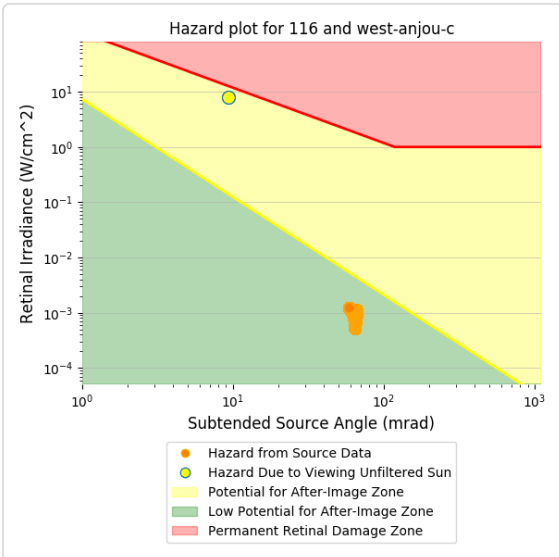
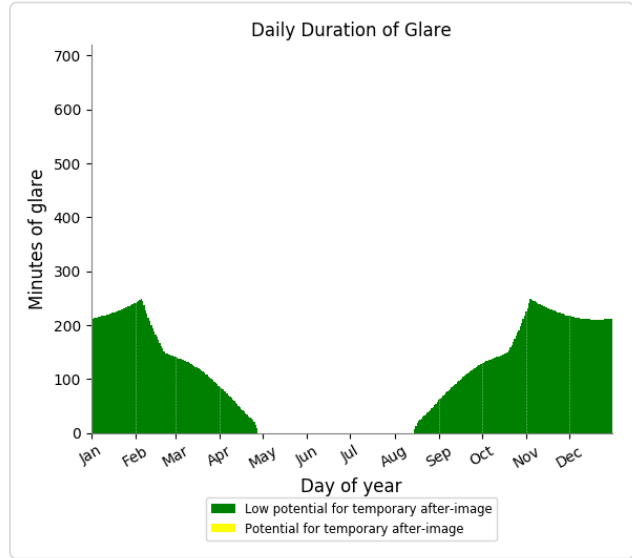
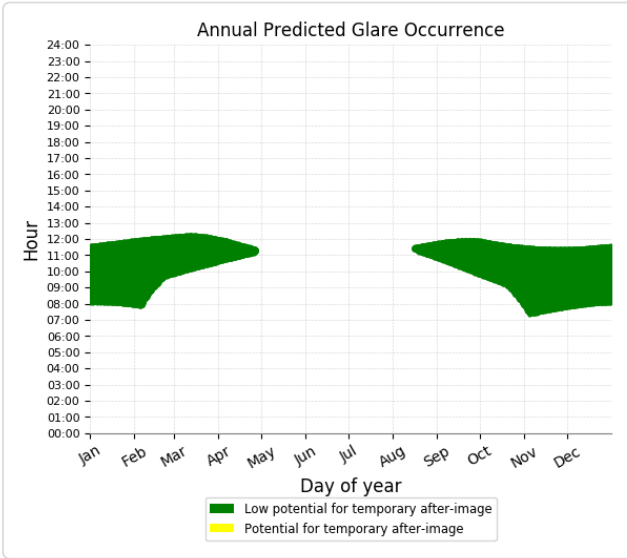
116 - Route Receptor (Thomas Road Braeburn Court)

No glare found

116 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 39,215 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	38127	0

117 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

117 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

117 - Receptor (Hornback Airstrip Northbound)

No glare found

117 - Receptor (Hornback Airstrip Southbound)

No glare found

117 - Receptor (Oz Airport NE Bound)

No glare found

117 - Receptor (Oz Airport SW Bound)

No glare found

117 - Receptor (Vine Grove Airport NW Bound)

No glare found

117 - Receptor (Vine Grove Airport SE Bound)

No glare found

117 - OP Receptor (OP 1)

No glare found

117 - OP Receptor (OP 2)

No glare found

117 - OP Receptor (OP 3)

No glare found

117 - OP Receptor (OP 4)

No glare found

117 - OP Receptor (OP 5)

No glare found

117 - OP Receptor (OP 6)

No glare found

117 - OP Receptor (OP 7)

No glare found

117 - OP Receptor (OP 8)

No glare found

117 - OP Receptor (OP 9)

No glare found

117 - OP Receptor (OP 10)

No glare found

117 - OP Receptor (OP 11)

No glare found

117 - OP Receptor (OP 12)

No glare found

117 - OP Receptor (OP 13)

No glare found

117 - OP Receptor (OP 14)

No glare found

117 - OP Receptor (OP 15)

No glare found

117 - OP Receptor (OP 16)

No glare found

117 - OP Receptor (OP 17)

No glare found

117 - OP Receptor (OP 18)

No glare found

117 - OP Receptor (OP 19)

No glare found

117 - OP Receptor (OP 20)

No glare found

117 - OP Receptor (OP 21)

No glare found

117 - OP Receptor (OP 22)

No glare found

117 - OP Receptor (OP 23)

No glare found

117 - OP Receptor (OP 24)

No glare found

117 - OP Receptor (OP 25)

No glare found

117 - OP Receptor (OP 26)

No glare found

117 - OP Receptor (OP 27)

No glare found

117 - OP Receptor (OP 28)

No glare found

117 - OP Receptor (OP 29)

No glare found

117 - OP Receptor (OP 30)

No glare found

117 - OP Receptor (OP 31)

No glare found

117 - OP Receptor (OP 32)

No glare found

117 - OP Receptor (OP 33)

No glare found

117 - OP Receptor (OP 34)

No glare found

117 - OP Receptor (OP 35)

No glare found

117 - OP Receptor (OP 36)

No glare found

117 - OP Receptor (OP 37)

No glare found

117 - OP Receptor (OP 38)

No glare found

117 - OP Receptor (OP 39)

No glare found

117 - OP Receptor (OP 40)

No glare found

117 - Route Receptor (Aiden Lane)

No glare found

117 - Route Receptor (Alcott Court Arden Court)

No glare found

117 - Route Receptor (Canton Road)

No glare found

117 - Route Receptor (Cecelia Road)

No glare found

117 - Route Receptor (Damson Trail)

No glare found

117 - Route Receptor (Goodman Lane)

No glare found

117 - Route Receptor (Hayden School Road)

No glare found

117 - Route Receptor (Hopewell Court Radford Court)

No glare found

117 - Route Receptor (Kitty Hawk Drive)

No glare found

117 - Route Receptor (St John Road)

No glare found

117 - Route Receptor (Thomas Cecelia road)

No glare found

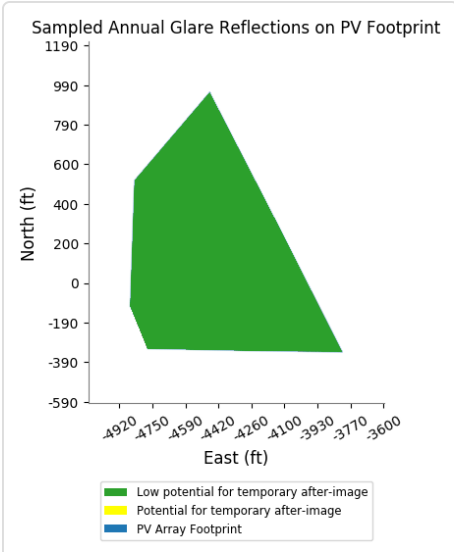
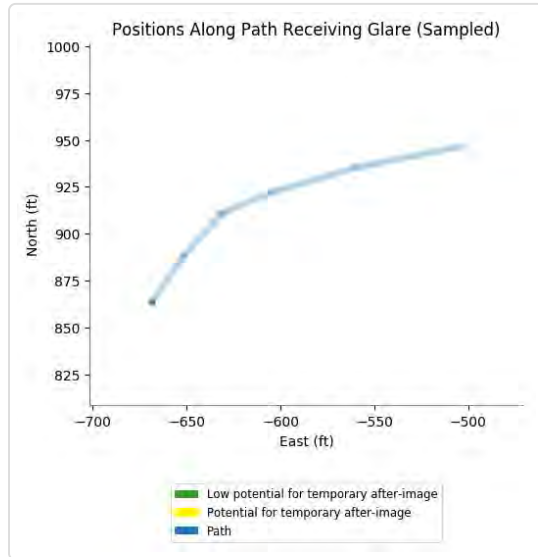
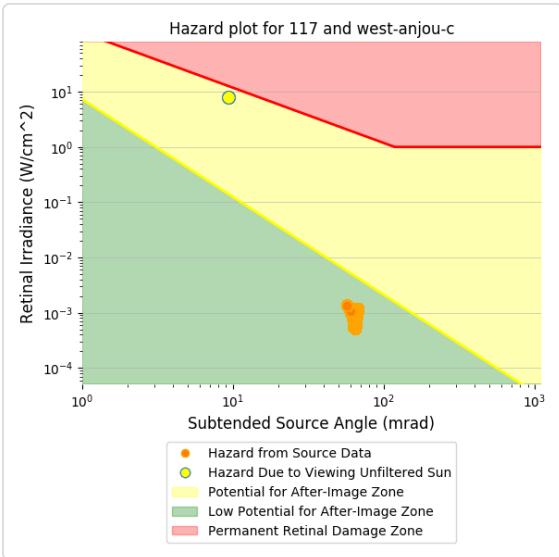
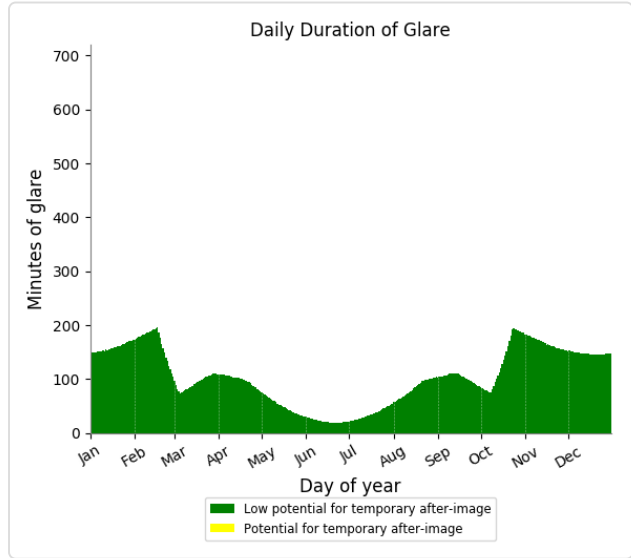
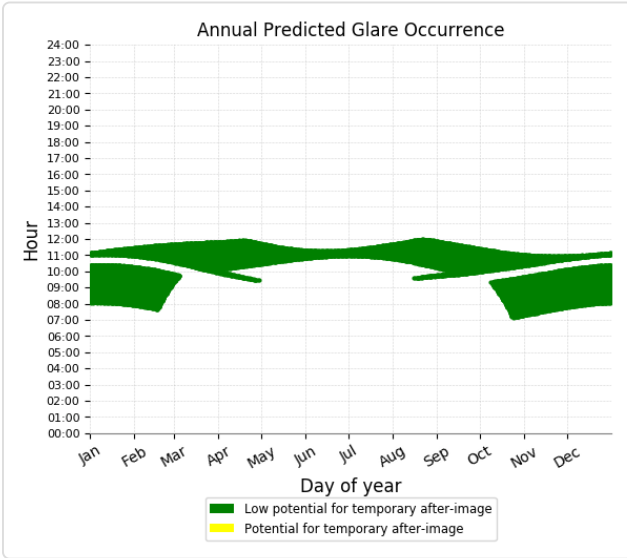
117 - Route Receptor (Thomas Road Braeburn Court)

No glare found

117 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 38,127 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0

Route: Aiden Lane	0	0
Route: Alcott Court Arden Court	0	0
Route: Canton Road	0	0
Route: Cecelia Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Hayden School Road	0	0
Route: Hopewell Court Radford Court	0	0
Route: Kitty Hawk Drive	0	0
Route: St John Road	0	0
Route: Thomas Cecelia road	0	0
Route: Thomas Road Braeburn Court	0	0
Route: West Anjou Court	22116	0

118 - Receptor (Elizabethtown Regional Airport Runway 23)

No glare found

118 - Receptor (Elizabethtown Regional Airport Runway 5)

No glare found

118 - Receptor (Hornback Airstrip Northbound)

No glare found

118 - Receptor (Hornback Airstrip Southbound)

No glare found

118 - Receptor (Oz Airport NE Bound)

No glare found

118 - Receptor (Oz Airport SW Bound)

No glare found

118 - Receptor (Vine Grove Airport NW Bound)

No glare found

118 - Receptor (Vine Grove Airport SE Bound)

No glare found

118 - OP Receptor (OP 1)

No glare found

118 - OP Receptor (OP 2)

No glare found

118 - OP Receptor (OP 3)

No glare found

118 - OP Receptor (OP 4)

No glare found

118 - OP Receptor (OP 5)

No glare found

118 - OP Receptor (OP 6)

No glare found

118 - OP Receptor (OP 7)

No glare found

118 - OP Receptor (OP 8)

No glare found

118 - OP Receptor (OP 9)

No glare found

118 - OP Receptor (OP 10)

No glare found

118 - OP Receptor (OP 11)

No glare found

118 - OP Receptor (OP 12)

No glare found

118 - OP Receptor (OP 13)

No glare found

118 - OP Receptor (OP 14)

No glare found

118 - OP Receptor (OP 15)

No glare found

118 - OP Receptor (OP 16)

No glare found

118 - OP Receptor (OP 17)

No glare found

118 - OP Receptor (OP 18)

No glare found

118 - OP Receptor (OP 19)

No glare found

118 - OP Receptor (OP 20)

No glare found

118 - OP Receptor (OP 21)

No glare found

118 - OP Receptor (OP 22)

No glare found

118 - OP Receptor (OP 23)

No glare found

118 - OP Receptor (OP 24)

No glare found

118 - OP Receptor (OP 25)

No glare found

118 - OP Receptor (OP 26)

No glare found

118 - OP Receptor (OP 27)

No glare found

118 - OP Receptor (OP 28)

No glare found

118 - OP Receptor (OP 29)

No glare found

118 - OP Receptor (OP 30)

No glare found

118 - OP Receptor (OP 31)

No glare found

118 - OP Receptor (OP 32)

No glare found

118 - OP Receptor (OP 33)

No glare found

118 - OP Receptor (OP 34)

No glare found

118 - OP Receptor (OP 35)

No glare found

118 - OP Receptor (OP 36)

No glare found

118 - OP Receptor (OP 37)

No glare found

118 - OP Receptor (OP 38)

No glare found

118 - OP Receptor (OP 39)

No glare found

118 - OP Receptor (OP 40)

No glare found

118 - Route Receptor (Aiden Lane)

No glare found

118 - Route Receptor (Alcott Court Arden Court)

No glare found

118 - Route Receptor (Canton Road)

No glare found

118 - Route Receptor (Cecelia Road)

No glare found

118 - Route Receptor (Damson Trail)

No glare found

118 - Route Receptor (Goodman Lane)

No glare found

118 - Route Receptor (Hayden School Road)

No glare found

118 - Route Receptor (Hopewell Court Radford Court)

No glare found

118 - Route Receptor (Kitty Hawk Drive)

No glare found

118 - Route Receptor (St John Road)

No glare found

118 - Route Receptor (Thomas Cecelia road)

No glare found

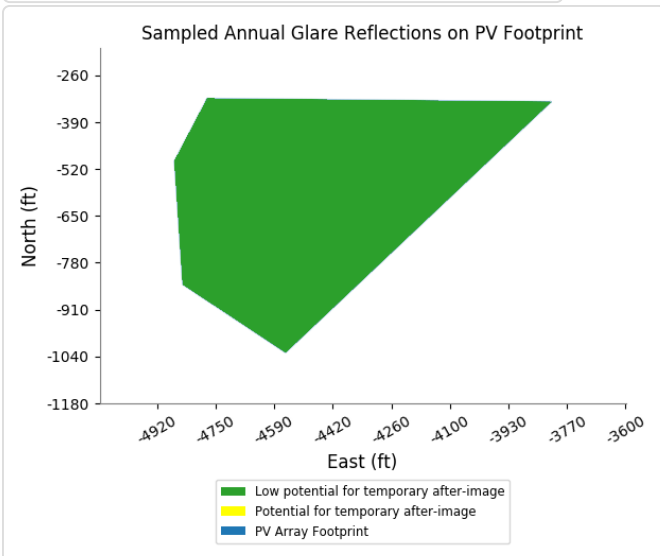
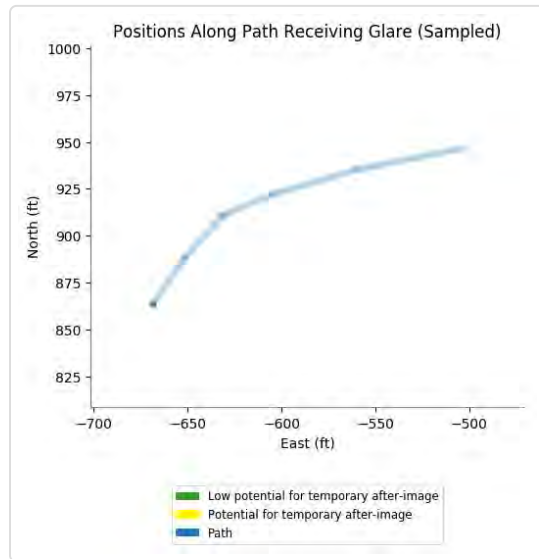
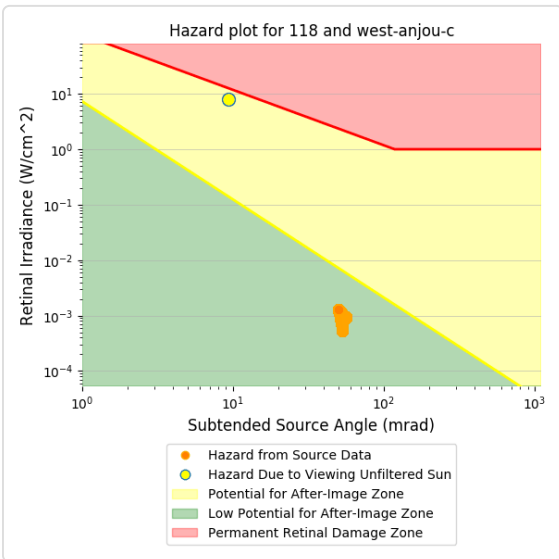
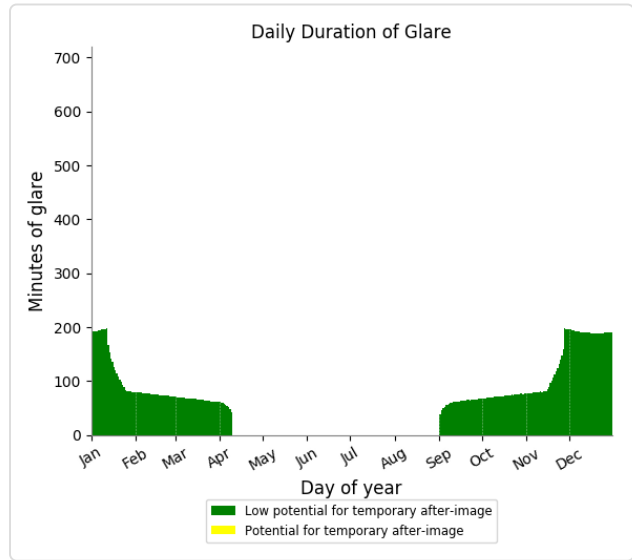
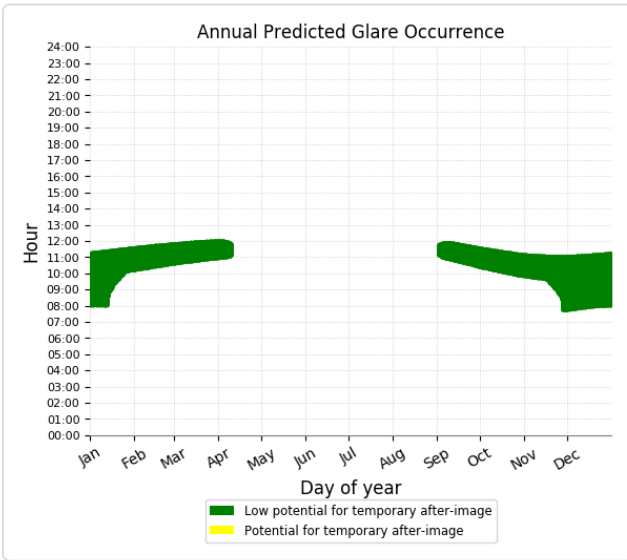
118 - Route Receptor (Thomas Road Braeburn Court)

No glare found

118 - Route Receptor (West Anjou Court)

PV array is expected to produce the following glare for receptors at this location:

- 22,116 minutes of "green" glare with low potential to cause temporary after-image.
- 0 minutes of "yellow" glare with potential to cause temporary after-image.



Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not account for physical obstructions between reflectors and receptors. This includes buildings, tree cover and geographic obstructions
- Detailed system geometry is not rigorously simulated.
- The glare hazard determination relies on several approximations including observer eye characteristics, angle of view, and typical blink response time. Actual values and results may vary.
- The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.
- Several V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results for large PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare.
- The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)
- Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.
- Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
- Glare vector plots are simplified representations of analysis data. Actual glare emanations and results may differ.
- Refer to the **Help page** for detailed assumptions and limitations not listed here.

Telesto Solar

Block 2 4 ft pan 5 ft veh gp 1 houses

Created March 21, 2022
 Updated March 22, 2022
 Time-step 1 minute
 Timezone offset UTC-5
 Site ID 66456.11731

Project type Advanced
 Project status: active
 Category 100 to 500 kW

Misc. Analysis Settings

DNI: varies (1,000.0 W/m² peak)
 Ocular transmission coefficient: 0.5
 Pupil diameter: 0.002 m
 Eye focal length: 0.017 m
 Sun subtended angle: 9.3 mrad

Analysis Methodologies:

- Observation point: **Version 2**
- 2-Mile Flight Path: **Version 2**
- Route: **Version 2**

Summary of Results No glare predicted!

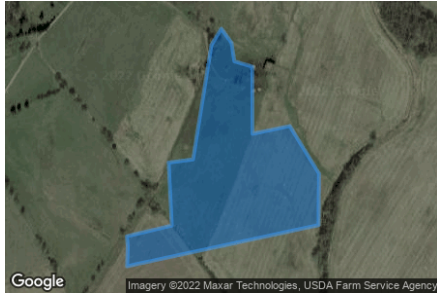
PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced
	deg	deg	min	min	kWh
201	SA tracking	SA tracking	0	0	-
202	SA tracking	SA tracking	0	0	-
203	SA tracking	SA tracking	0	0	-
204	SA tracking	SA tracking	0	0	-
205	SA tracking	SA tracking	0	0	-
206	SA tracking	SA tracking	0	0	-
207	SA tracking	SA tracking	0	0	-
208	SA tracking	SA tracking	0	0	-
209	SA tracking	SA tracking	0	0	-
210	SA tracking	SA tracking	0	0	-
211	SA tracking	SA tracking	0	0	-
212	SA tracking	SA tracking	0	0	-
213	SA tracking	SA tracking	0	0	-
214	SA tracking	SA tracking	0	0	-
215	SA tracking	SA tracking	0	0	-
216	SA tracking	SA tracking	0	0	-
217	SA tracking	SA tracking	0	0	-

Component Data

PV Array(s)

Total PV footprint area: 360.7 acres

Name: 201
Footprint area: 18.9 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691856	-85.951880	780.56	4.00	784.56
2	37.692141	-85.951660	780.78	4.00	784.78
3	37.691894	-85.951435	774.59	4.00	778.59
4	37.691572	-85.951370	771.61	4.00	775.61
5	37.691478	-85.950973	775.10	4.00	779.10
6	37.690307	-85.950968	769.31	4.00	773.31
7	37.690443	-85.950142	760.92	4.00	764.92
8	37.689615	-85.949493	756.54	4.00	760.54
9	37.688715	-85.949504	752.74	4.00	756.74
10	37.687998	-85.953752	748.09	4.00	752.09
11	37.688329	-85.953736	747.78	4.00	751.78
12	37.688520	-85.953758	749.70	4.00	753.70
13	37.688706	-85.952760	754.82	4.00	758.82
14	37.689806	-85.952830	757.08	4.00	761.08
15	37.689861	-85.952288	757.01	4.00	761.01

Name: 202
Footprint area: 24.7 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685639	-85.964626	745.52	4.00	749.52
2	37.685656	-85.961418	733.85	4.00	737.85
3	37.685028	-85.961054	724.63	4.00	728.63
4	37.683219	-85.961086	728.49	4.00	732.49
5	37.683185	-85.965839	738.48	4.00	742.48
6	37.684561	-85.965796	753.26	4.00	757.26
7	37.684586	-85.964605	743.11	4.00	747.11

Name: 203

Footprint area: 24.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.683194	-85.965131	735.84	4.00	739.84
2	37.682073	-85.965195	734.70	4.00	738.70
3	37.682115	-85.968735	739.23	4.00	743.23
4	37.683049	-85.968671	735.43	4.00	739.43
5	37.683032	-85.970656	732.65	4.00	736.65
6	37.684026	-85.970731	743.36	4.00	747.36
7	37.684493	-85.968456	749.90	4.00	753.90
8	37.684569	-85.965806	753.48	4.00	757.48
9	37.683194	-85.965849	738.49	4.00	742.49

Name: 204

Footprint area: 23.2 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.682056	-85.965206	734.97	4.00	738.97
2	37.682030	-85.963929	733.95	4.00	737.95
3	37.682311	-85.963918	732.86	4.00	736.86
4	37.682251	-85.961075	732.82	4.00	736.82
5	37.681207	-85.960753	725.45	4.00	729.45
6	37.680443	-85.960431	727.47	4.00	731.47
7	37.680489	-85.963457	748.89	4.00	752.89
8	37.680536	-85.966590	730.59	4.00	734.59
9	37.682098	-85.966493	736.34	4.00	740.34

Name: 205

Footprint area: 17.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.682098	-85.966493	736.34	4.00	740.34
2	37.680527	-85.966633	730.39	4.00	734.39
3	37.680612	-85.971310	724.31	4.00	728.31
4	37.681241	-85.971203	731.26	4.00	735.26
5	37.681793	-85.970935	732.59	4.00	736.59
6	37.682158	-85.970935	731.54	4.00	735.54



Name: 206

Footprint area: 22.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

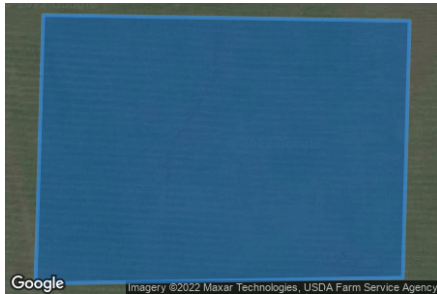
Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.680493	-85.961987	741.09	4.00	745.09
2	37.678252	-85.962062	731.46	4.00	735.46
3	37.678201	-85.966139	725.43	4.00	729.43
4	37.680544	-85.966053	735.70	4.00	739.70



Name: 207

Footprint area: 24.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.680536	-85.966042	735.80	4.00	739.80
2	37.680604	-85.971332	724.30	4.00	728.30
3	37.679551	-85.971289	717.72	4.00	721.72
4	37.678617	-85.971171	717.89	4.00	721.89
5	37.678583	-85.966139	728.46	4.00	732.46

Name: 208

Footprint area: 23.0 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.678226	-85.966096	725.95	4.00	729.95
2	37.676307	-85.966182	718.45	4.00	722.45
3	37.676248	-85.969744	715.26	4.00	719.26
4	37.677759	-85.969701	718.46	4.00	722.46
5	37.677785	-85.971021	717.87	4.00	721.87
6	37.678625	-85.971182	717.87	4.00	721.87
7	37.678591	-85.966128	728.61	4.00	732.61

Name: 209

Footprint area: 20.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688681	-85.949729	752.55	4.00	756.56
2	37.686652	-85.949638	746.03	4.00	750.03
3	37.686393	-85.950555	743.80	4.00	747.80
4	37.684393	-85.950571	736.81	4.00	740.81
5	37.683969	-85.952170	734.18	4.00	738.18
6	37.686261	-85.952159	740.02	4.00	744.02
7	37.688261	-85.952191	761.42	4.00	765.42

Name: 210

Footprint area: 23.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688266	-85.952202	761.37	4.00	765.37
2	37.686024	-85.952164	738.72	4.00	742.72
3	37.683961	-85.952175	734.19	4.00	738.19
4	37.683354	-85.954176	729.15	4.00	733.15
5	37.682725	-85.954065	726.66	4.00	730.66
6	37.682462	-85.953170	726.24	4.00	730.24
7	37.681384	-85.953420	726.88	4.00	730.88
8	37.681471	-85.953819	726.62	4.00	730.62
9	37.681830	-85.954680	726.62	4.00	730.62
10	37.683456	-85.954417	731.20	4.00	735.20
11	37.685742	-85.953905	739.04	4.00	743.04
12	37.688007	-85.953747	748.00	4.00	752.00

Name: 211

Footprint area: 23.2 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

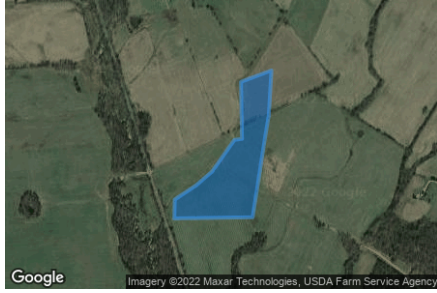
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.687336	-85.953806	749.09	4.00	753.10
2	37.686937	-85.955158	742.30	4.00	746.30
3	37.684933	-85.955115	733.93	4.00	737.93
4	37.684899	-85.955447	733.85	4.00	737.85
5	37.683770	-85.956456	728.06	4.00	732.06
6	37.683286	-85.957175	725.12	4.00	729.12
7	37.682802	-85.958097	722.93	4.00	726.93
8	37.682140	-85.958119	722.55	4.00	726.55
9	37.682182	-85.954643	726.17	4.00	730.17
10	37.684959	-85.954096	734.03	4.00	738.03
11	37.685757	-85.953924	739.58	4.00	743.58

Name: 212

Footprint area: 16.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

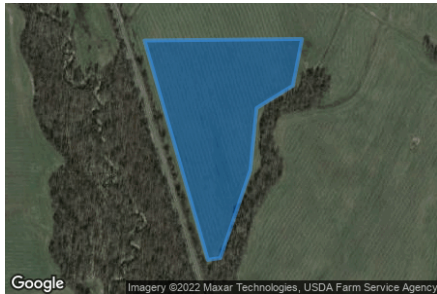
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.682140	-85.958130	722.45	4.00	726.45
2	37.678310	-85.956724	719.66	4.00	723.66
3	37.678344	-85.956445	719.14	4.00	723.15
4	37.679872	-85.955780	723.84	4.00	727.84
5	37.680959	-85.955640	726.72	4.00	730.72
6	37.681350	-85.954836	726.62	4.00	730.62
7	37.682165	-85.954632	726.15	4.00	730.15

Name: 213

Footprint area: 22.5 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

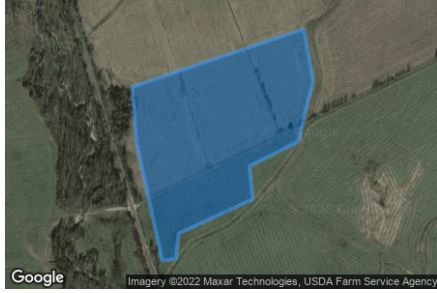
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685866	-85.959215	729.59	4.00	733.59
2	37.686885	-85.955407	742.06	4.00	746.06
3	37.685976	-85.955203	738.54	4.00	742.54
4	37.684906	-85.955535	734.05	4.00	738.05
5	37.684473	-85.956619	732.74	4.00	736.74
6	37.683896	-85.956544	727.52	4.00	731.52
7	37.683293	-85.958185	723.98	4.00	727.98
8	37.682852	-85.958250	722.20	4.00	726.20
9	37.682818	-85.958550	723.57	4.00	727.57
10	37.684889	-85.959119	728.79	4.00	732.79

Name: 214

Footprint area: 24.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

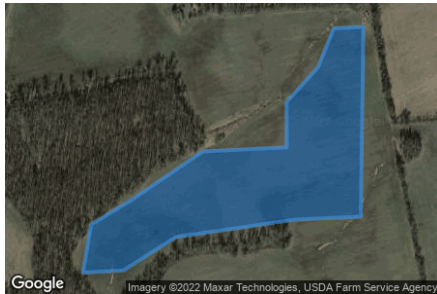
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688871	-85.969805	751.94	4.00	755.94
2	37.688897	-85.969150	757.30	4.00	761.30
3	37.685586	-85.969207	749.14	4.00	753.14
4	37.685535	-85.970668	743.55	4.00	747.55
5	37.685229	-85.973313	736.34	4.00	740.34
6	37.684647	-85.974477	731.42	4.00	735.42
7	37.684609	-85.975373	730.68	4.00	734.69
8	37.685445	-85.975196	732.03	4.00	736.03
9	37.685891	-85.974268	734.96	4.00	738.96
10	37.686723	-85.972712	741.00	4.00	745.00
11	37.686795	-85.970851	754.00	4.00	758.00
12	37.687581	-85.970856	747.67	4.00	751.67
13	37.688196	-85.970153	751.87	4.00	755.88

Name: 215

Footprint area: 19.0 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.686709	-85.969197	759.47	4.00	763.47
2	37.686726	-85.968296	756.65	4.00	760.65
3	37.686488	-85.968296	757.34	4.00	761.35
4	37.686581	-85.964412	752.77	4.00	756.77
5	37.687108	-85.964412	749.14	4.00	753.14
6	37.687150	-85.962481	732.69	4.00	736.69
7	37.686590	-85.962137	731.23	4.00	735.23
8	37.685953	-85.962094	731.18	4.00	735.18
9	37.685656	-85.962084	733.58	4.00	737.58
10	37.685588	-85.969208	749.14	4.00	753.14

Name: 216

Footprint area: 23.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685639	-85.964594	744.85	4.00	748.85
2	37.684595	-85.964605	743.11	4.00	747.11
3	37.684561	-85.966268	753.56	4.00	757.56
4	37.684493	-85.968446	749.92	4.00	753.92
5	37.684017	-85.970763	743.19	4.00	747.19
6	37.683627	-85.973520	732.98	4.00	736.98
7	37.684773	-85.973392	736.89	4.00	740.89
8	37.684832	-85.971128	745.46	4.00	749.46
9	37.684832	-85.970774	743.80	4.00	747.80
10	37.685503	-85.970795	743.16	4.00	747.16
11	37.685529	-85.970409	743.84	4.00	747.84
12	37.685596	-85.969197	749.29	4.00	753.29

Name: 217

Footprint area: 8.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.680481	-85.962069	742.32	4.00	746.32
2	37.680447	-85.960460	727.71	4.00	731.71
3	37.678257	-85.960503	725.38	4.00	729.38
4	37.678274	-85.962112	731.32	4.00	735.32



2-Mile Flight Path Receptor(s)

Name: Elizabethtown Regional Airport Runway 23
Description:
Threshold height : 50 ft
Direction: 225.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.691634	-85.917563	769.91	50.00	819.91
2-mile point	37.711924	-85.891503	745.53	627.83	1373.37

Name: Elizabethtown Regional Airport Runway 5
Description:
Threshold height : 50 ft
Direction: 49.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.680407	-85.932519	751.25	50.00	801.26
2-mile point	37.661653	-85.960355	690.06	664.65	1354.71

Name: Hornback Airstrip Northbound
Description:
Threshold height : 50 ft
Direction: 11.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.620818	-85.791738	782.24	50.00	832.24
2-mile point	37.592433	-85.798686	723.03	662.67	1385.70

Name: Hornback Airstrip Southbound
Description:
Threshold height : 50 ft
Direction: 194.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.625076	-85.790590	733.51	50.00	783.52
2-mile point	37.653055	-85.781377	827.86	509.11	1336.97

Name: Oz Airport NE Bound
Description:
Threshold height : 50 ft
Direction: 313.3 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



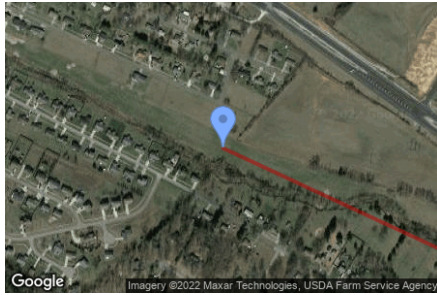
Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.652149	-85.809356	834.93	50.00	884.94
2-mile point	37.632309	-85.782761	773.96	664.43	1438.39

Name: Oz Airport SW Bound
Description:
Threshold height : 50 ft
Direction: 140.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.658203	-85.816375	817.66	50.00	867.66
2-mile point	37.680468	-85.839701	791.67	629.45	1421.12

Name: Vine Grove Airport NW Bound
Description:
Threshold height : 50 ft
Direction: 294.9 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.814237	-85.961318	684.17	50.00	734.17
2-mile point	37.802059	-85.928086	754.23	533.39	1287.62

Name: Vine Grove Airport SE Bound
Description:
Threshold height : 50 ft
Direction: 117.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.816483	-85.967294	676.33	50.00	726.33
2-mile point	37.829855	-85.999781	668.90	610.89	1279.79

Route Receptor(s)

Name: Braeburn Court
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.699026	-85.941884	807.82	5.00	812.82
2	37.697599	-85.941240	813.34	5.00	818.34
3	37.696784	-85.941004	811.34	5.00	816.34
4	37.696326	-85.941176	799.40	5.00	804.40
5	37.695936	-85.941584	801.41	5.00	806.41
6	37.695868	-85.942292	793.74	5.00	798.74
7	37.695851	-85.942807	784.31	5.00	789.31

Name: Cecilia Road
Route type: Two-way
View angle: 50.0 deg



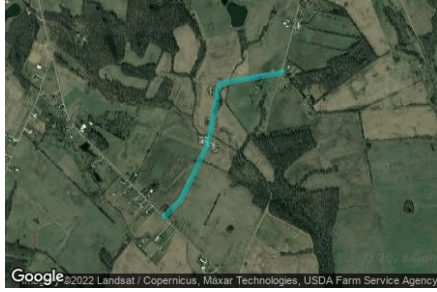
Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.698822	-85.939180	833.50	5.00	838.50
2	37.697769	-85.938065	826.33	5.00	831.33
3	37.697345	-85.937678	823.61	5.00	828.61
4	37.693660	-85.936241	826.90	5.00	831.90
5	37.693304	-85.936541	821.85	5.00	826.85
6	37.693066	-85.937163	823.24	5.00	828.24
7	37.692862	-85.937593	823.55	5.00	828.55
8	37.691504	-85.938773	810.75	5.00	815.76
9	37.690146	-85.939867	791.86	5.00	796.86
10	37.688227	-85.940876	769.19	5.00	774.19
11	37.686002	-85.941112	756.41	5.00	761.41
12	37.685731	-85.940983	757.85	5.00	762.86
13	37.683285	-85.937893	756.79	5.00	761.79

Name: College Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.692181	-85.975721	751.30	5.00	756.30
2	37.690789	-85.974358	745.48	5.00	750.48
3	37.689897	-85.973478	758.52	5.00	763.52

Name: Crisp Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692215	-85.975785	752.48	5.00	757.48
2	37.692096	-85.976032	750.36	5.00	755.36
3	37.691493	-85.980377	736.80	5.00	741.80
4	37.691340	-85.981364	743.06	5.00	748.06
5	37.690950	-85.981536	736.66	5.00	741.66
6	37.689744	-85.981782	733.76	5.00	738.77
7	37.687961	-85.982201	728.71	5.00	733.71
8	37.686968	-85.982501	737.14	5.00	742.14
9	37.686195	-85.982962	741.01	5.00	746.01
10	37.685151	-85.983585	743.98	5.00	748.98
11	37.683843	-85.984400	745.33	5.00	750.33
12	37.683088	-85.984883	748.31	5.00	753.31
13	37.681958	-85.986299	742.25	5.00	747.25

Name: Damson Trail
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.697413	-85.941155	814.27	5.00	819.27
2	37.697650	-85.940125	808.65	5.00	813.65
3	37.697633	-85.939309	816.06	5.00	821.06
4	37.697345	-85.938730	812.60	5.00	817.60
5	37.696105	-85.938429	810.76	5.00	815.76

Name: Goodman Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.696737	-85.955764	758.25	5.00	763.25
2	37.695846	-85.955570	751.20	5.00	756.20
3	37.695252	-85.955528	761.24	5.00	766.24
4	37.694734	-85.955345	770.62	5.00	775.62
5	37.693876	-85.954905	797.43	5.00	802.43
6	37.693562	-85.954744	804.71	5.00	809.71
7	37.693257	-85.954401	807.53	5.00	812.53
8	37.693146	-85.954412	806.26	5.00	811.26
9	37.692679	-85.954884	803.16	5.00	808.16
10	37.692136	-85.955485	802.41	5.00	807.41
11	37.691644	-85.955946	798.39	5.00	803.39
12	37.691406	-85.956171	795.91	5.00	800.91
13	37.690710	-85.956740	785.04	5.00	790.04

Name: Highway 253
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.689580	-85.995085	758.71	5.00	763.71
2	37.688391	-85.994399	752.68	5.00	757.68
3	37.687407	-85.993175	756.58	5.00	761.58
4	37.685369	-85.990579	746.93	5.00	751.93
5	37.683025	-85.987682	740.04	5.00	745.04
6	37.680648	-85.984700	742.14	5.00	747.14
7	37.677897	-85.981224	746.01	5.00	751.01
8	37.675179	-85.977812	743.56	5.00	748.56
9	37.671715	-85.973392	728.94	5.00	733.94
10	37.668963	-85.969980	738.88	5.00	743.88
11	37.665634	-85.965946	714.47	5.00	719.47

Name: Railroad
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.694748	-85.963783	740.07	15.00	755.07
2	37.694481	-85.963620	741.40	15.00	756.40
3	37.693488	-85.963126	737.80	15.00	752.80
4	37.692549	-85.962694	733.98	15.00	748.98
5	37.691212	-85.962145	729.74	15.00	744.75
6	37.690285	-85.961774	728.99	15.00	743.99
7	37.689311	-85.961385	727.80	15.00	742.80
8	37.688358	-85.961015	729.65	15.00	744.65
9	37.687568	-85.960710	730.82	15.00	745.82
10	37.686708	-85.960380	727.11	15.00	742.11
11	37.686243	-85.960192	728.35	15.00	743.35
12	37.685254	-85.959806	727.87	15.00	742.87
13	37.684469	-85.959492	728.07	15.00	743.07
14	37.683412	-85.959081	724.75	15.00	739.75
15	37.682686	-85.958765	723.96	15.00	738.96
16	37.682338	-85.958591	722.47	15.00	737.47
17	37.681737	-85.958379	722.61	15.00	737.61
18	37.681096	-85.958129	723.28	15.00	738.28
19	37.680448	-85.957874	725.07	15.00	740.07
20	37.679128	-85.957357	725.31	15.00	740.31
21	37.678474	-85.957105	722.80	15.00	737.80
22	37.677901	-85.956869	721.49	15.00	736.49
23	37.677379	-85.956673	725.44	15.00	740.44
24	37.676810	-85.956453	723.69	15.00	738.69
25	37.676449	-85.956308	721.59	15.00	736.59

Name: St John Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.699873	-85.980391	777.69	5.00	782.69
2	37.699754	-85.979082	780.22	5.00	785.22
3	37.699635	-85.977483	791.15	5.00	796.15
4	37.699423	-85.975949	784.38	5.00	789.38
5	37.699152	-85.974662	779.96	5.00	784.96
6	37.698821	-85.973138	792.31	5.00	797.31
7	37.698651	-85.971196	783.08	5.00	788.08
8	37.698447	-85.968557	751.27	5.00	756.27
9	37.698226	-85.965563	760.76	5.00	765.76
10	37.698141	-85.964544	770.49	5.00	775.49
11	37.696775	-85.960542	767.42	5.00	772.42
12	37.696325	-85.959169	763.01	5.00	768.01
13	37.696265	-85.958590	753.28	5.00	758.29
14	37.696877	-85.955060	764.73	5.00	769.73
15	37.697590	-85.951509	776.39	5.00	781.39
16	37.698269	-85.949052	801.12	5.00	806.12
17	37.698710	-85.947206	813.26	5.00	818.26
18	37.699067	-85.943526	814.43	5.00	819.43
19	37.699058	-85.942336	806.27	5.00	811.27
20	37.699067	-85.941531	812.96	5.00	817.96
21	37.698973	-85.940376	823.41	5.00	828.41
22	37.698820	-85.939143	833.78	5.00	838.78

Name: Thomas Cecilia Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.681235	-85.949896	723.68	5.00	728.68
2	37.680870	-85.949081	736.61	5.00	741.61
3	37.680513	-85.948394	753.32	5.00	758.32
4	37.679834	-85.947461	763.53	5.00	768.53
5	37.679078	-85.946485	754.27	5.00	759.27
6	37.678671	-85.945927	761.94	5.00	766.94
7	37.678220	-85.945777	760.11	5.00	765.11

Name: West Anjou Court
Route type: Two-way
View angle: 50.0 deg

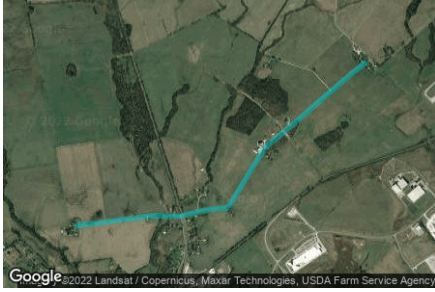


Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.695443	-85.939889	803.53	5.00	808.53
2	37.695851	-85.939459	807.93	5.00	812.93
3	37.696071	-85.938623	810.97	5.00	815.97
4	37.696190	-85.938000	809.26	5.00	814.26

Name: Wimp Lane Hayden School Road

Route type Two-way

View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.671682	-85.964056	717.71	5.00	722.71
2	37.671861	-85.962243	714.20	5.00	719.20
3	37.672073	-85.960269	715.85	5.00	720.85
4	37.672336	-85.957726	707.28	5.00	712.28
5	37.672379	-85.956932	706.80	5.00	711.80
6	37.672345	-85.956170	704.86	5.00	709.86
7	37.672336	-85.954861	710.27	5.00	715.27
8	37.672557	-85.953821	711.35	5.00	716.35
9	37.672735	-85.952887	710.86	5.00	715.86
10	37.672897	-85.951342	712.58	5.00	717.58
11	37.672948	-85.950742	714.57	5.00	719.58
12	37.673423	-85.950259	723.65	5.00	728.65
13	37.675258	-85.948875	729.21	5.00	734.21
14	37.676438	-85.947974	736.15	5.00	741.15
15	37.677236	-85.947308	748.84	5.00	753.84
16	37.677975	-85.946160	756.70	5.00	761.70
17	37.679427	-85.944015	761.60	5.00	766.60
18	37.680785	-85.942041	752.08	5.00	757.08
19	37.682348	-85.939755	771.84	5.00	776.84
20	37.683121	-85.938532	765.38	5.00	770.38

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	ft	ft	ft
OP 1	37.709227	-85.876066	769.34	500.02	1269.37
OP 2	37.689946	-85.973240	760.29	25.00	785.29
OP 3	37.691262	-85.975128	749.16	25.00	774.16
OP 4	37.692714	-85.975230	756.71	25.00	781.71
OP 5	37.691370	-85.977886	750.37	25.00	775.38
OP 6	37.690695	-85.982081	745.86	25.00	770.87
OP 7	37.689965	-85.981523	735.11	25.00	760.11
OP 8	37.688634	-85.982341	735.08	25.00	760.08
OP 9	37.682247	-85.986246	745.18	25.00	770.19
OP 10	37.682171	-85.987662	741.47	25.00	766.47
OP 11	37.674928	-85.975855	741.99	25.00	766.99
OP 12	37.675026	-85.975340	742.32	25.00	767.32
OP 13	37.692557	-85.963575	747.50	25.00	772.51
OP 14	37.691267	-85.963023	743.17	25.00	768.17
OP 15	37.690148	-85.957133	786.28	25.00	811.28
OP 16	37.693479	-85.953962	810.30	25.00	835.31
OP 17	37.693196	-85.954957	809.84	25.00	834.84
OP 18	37.694049	-85.954595	793.56	25.00	818.56
OP 19	37.694932	-85.955805	766.92	25.00	791.92
OP 20	37.697613	-85.955907	779.11	25.00	804.11
OP 21	37.697373	-85.954770	779.43	25.00	804.44
OP 22	37.697498	-85.953002	767.48	25.00	792.49
OP 23	37.697159	-85.951894	789.36	25.00	814.36
OP 24	37.696800	-85.952852	770.74	25.00	795.74
OP 25	37.691922	-85.939064	812.85	25.00	837.85
OP 26	37.691056	-85.939643	796.95	25.00	821.95
OP 27	37.688624	-85.940308	785.19	25.00	810.19
OP 28	37.684022	-85.939257	769.41	25.00	794.41
OP 29	37.682807	-85.938125	767.53	25.00	792.53
OP 30	37.683538	-85.939187	774.46	25.00	799.46
OP 31	37.679067	-85.945418	776.12	25.00	801.13
OP 32	37.676664	-85.947114	751.32	25.00	776.33
OP 33	37.673934	-85.952816	720.45	25.00	745.45
OP 34	37.682887	-85.946969	741.71	25.00	766.71
OP 35	37.671315	-85.964390	723.28	25.00	748.29
OP 36	37.671845	-85.964417	721.81	25.00	746.81
OP 37	37.672571	-85.974009	743.75	25.00	768.75
OP 38	37.671043	-85.971723	734.52	25.00	759.53
OP 39	37.670525	-85.968998	722.52	25.00	747.52
OP 40	37.670194	-85.968730	724.53	25.00	749.53

Summary of PV Glare Analysis

PV configuration and total predicted glare

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced	Data File
	deg	deg	min	min	kWh	
201	SA tracking	SA tracking	0	0	-	
202	SA tracking	SA tracking	0	0	-	
203	SA tracking	SA tracking	0	0	-	
204	SA tracking	SA tracking	0	0	-	
205	SA tracking	SA tracking	0	0	-	
206	SA tracking	SA tracking	0	0	-	
207	SA tracking	SA tracking	0	0	-	
208	SA tracking	SA tracking	0	0	-	
209	SA tracking	SA tracking	0	0	-	
210	SA tracking	SA tracking	0	0	-	
211	SA tracking	SA tracking	0	0	-	
212	SA tracking	SA tracking	0	0	-	
213	SA tracking	SA tracking	0	0	-	
214	SA tracking	SA tracking	0	0	-	
215	SA tracking	SA tracking	0	0	-	
216	SA tracking	SA tracking	0	0	-	
217	SA tracking	SA tracking	0	0	-	

PV & Receptor Analysis Results

Results for each PV array and receptor

201 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

202 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

203 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

204 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

205 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

206 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

207 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

208 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

209 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

210 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

211 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

212 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

213 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

214 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

215 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

216 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

217 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not account for physical obstructions between reflectors and receptors. This includes buildings, tree cover and geographic obstructions
- Detailed system geometry is not rigorously simulated.
- The glare hazard determination relies on several approximations including observer eye characteristics, angle of view, and typical blink response time. Actual values and results may vary.
- The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.
- Several V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results for large PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare.
- The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)
- Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.
- Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
- Glare vector plots are simplified representations of analysis data. Actual glare emanations and results may differ.
- Refer to the **Help page** for detailed assumptions and limitations not listed here.

Telesto Solar

Block 2 4 ft pan 9 ft veh gp 2 houses

Created March 21, 2022
 Updated March 22, 2022
 Time-step 1 minute
 Timezone offset UTC-5
 Site ID 66451.11731

Project type Advanced
 Project status: active
 Category 100 to 500 kW

Misc. Analysis Settings

DNI: varies (1,000.0 W/m² peak)
 Ocular transmission coefficient: 0.5
 Pupil diameter: 0.002 m
 Eye focal length: 0.017 m
 Sun subtended angle: 9.3 mrad

Analysis Methodologies:

- Observation point: **Version 2**
- 2-Mile Flight Path: **Version 2**
- Route: **Version 2**

Summary of Results No glare predicted!

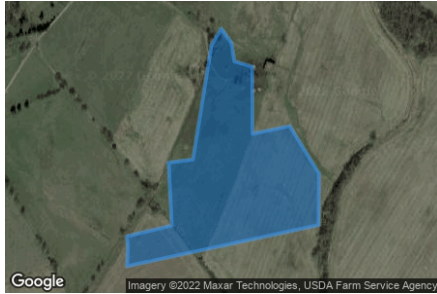
PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced
	deg	deg	min	min	kWh
201	SA tracking	SA tracking	0	0	-
202	SA tracking	SA tracking	0	0	-
203	SA tracking	SA tracking	0	0	-
204	SA tracking	SA tracking	0	0	-
205	SA tracking	SA tracking	0	0	-
206	SA tracking	SA tracking	0	0	-
207	SA tracking	SA tracking	0	0	-
208	SA tracking	SA tracking	0	0	-
209	SA tracking	SA tracking	0	0	-
210	SA tracking	SA tracking	0	0	-
211	SA tracking	SA tracking	0	0	-
212	SA tracking	SA tracking	0	0	-
213	SA tracking	SA tracking	0	0	-
214	SA tracking	SA tracking	0	0	-
215	SA tracking	SA tracking	0	0	-
216	SA tracking	SA tracking	0	0	-
217	SA tracking	SA tracking	0	0	-

Component Data

PV Array(s)

Total PV footprint area: 363.2 acres

Name: 201
Footprint area: 18.9 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691856	-85.951880	780.56	4.00	784.56
2	37.692141	-85.951660	780.78	4.00	784.78
3	37.691894	-85.951435	774.59	4.00	778.59
4	37.691572	-85.951370	771.61	4.00	775.61
5	37.691478	-85.950973	775.10	4.00	779.10
6	37.690307	-85.950968	769.31	4.00	773.31
7	37.690443	-85.950142	760.92	4.00	764.92
8	37.689615	-85.949493	756.54	4.00	760.54
9	37.688715	-85.949504	752.74	4.00	756.74
10	37.687998	-85.953752	748.09	4.00	752.09
11	37.688329	-85.953736	747.78	4.00	751.78
12	37.688520	-85.953758	749.70	4.00	753.70
13	37.688706	-85.952760	754.82	4.00	758.82
14	37.689806	-85.952830	757.08	4.00	761.08
15	37.689861	-85.952288	757.01	4.00	761.01

Name: 202
Footprint area: 24.6 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685639	-85.964626	745.52	4.00	749.52
2	37.685656	-85.961418	733.85	4.00	737.85
3	37.685028	-85.961054	724.63	4.00	728.63
4	37.683219	-85.961086	728.49	4.00	732.49
5	37.683185	-85.965839	738.48	4.00	742.48
6	37.684561	-85.965796	753.26	4.00	757.26
7	37.684565	-85.964573	742.58	4.00	746.58

Name: 203

Footprint area: 24.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.683194	-85.965131	735.84	4.00	739.84
2	37.682073	-85.965195	734.70	4.00	738.70
3	37.682115	-85.968735	739.23	4.00	743.23
4	37.683049	-85.968671	735.43	4.00	739.43
5	37.683032	-85.970656	732.65	4.00	736.65
6	37.684026	-85.970731	743.36	4.00	747.36
7	37.684493	-85.968456	749.90	4.00	753.90
8	37.684569	-85.965806	753.48	4.00	757.48
9	37.683194	-85.965849	738.49	4.00	742.49

Name: 204

Footprint area: 23.2 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.682056	-85.965206	734.97	4.00	738.97
2	37.682030	-85.963929	733.95	4.00	737.95
3	37.682311	-85.963918	732.86	4.00	736.86
4	37.682251	-85.961075	732.82	4.00	736.82
5	37.681207	-85.960753	725.45	4.00	729.45
6	37.680443	-85.960431	727.47	4.00	731.47
7	37.680489	-85.963457	748.89	4.00	752.89
8	37.680536	-85.966590	730.59	4.00	734.59
9	37.682098	-85.966493	736.34	4.00	740.34

Name: 205

Footprint area: 17.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.682098	-85.966493	736.34	4.00	740.34
2	37.680527	-85.966633	730.39	4.00	734.39
3	37.680612	-85.971310	724.31	4.00	728.31
4	37.681241	-85.971203	731.26	4.00	735.26
5	37.681793	-85.970935	732.59	4.00	736.59
6	37.682158	-85.970935	731.54	4.00	735.54



Name: 206

Footprint area: 23.3 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

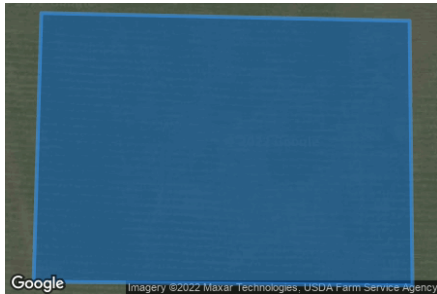
Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.680476	-85.961966	740.77	4.00	744.77
2	37.678167	-85.961933	731.92	4.00	735.92
3	37.678201	-85.966139	725.43	4.00	729.43
4	37.680544	-85.966053	735.70	4.00	739.70



Name: 207

Footprint area: 24.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.680536	-85.966042	735.80	4.00	739.80
2	37.680604	-85.971332	724.30	4.00	728.30
3	37.679551	-85.971289	717.72	4.00	721.72
4	37.678617	-85.971171	717.89	4.00	721.89
5	37.678583	-85.966139	728.46	4.00	732.46

Name: 208

Footprint area: 23.0 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.678226	-85.966096	725.95	4.00	729.95
2	37.676307	-85.966182	718.45	4.00	722.45
3	37.676248	-85.969744	715.26	4.00	719.26
4	37.677759	-85.969701	718.46	4.00	722.46
5	37.677785	-85.971021	717.87	4.00	721.87
6	37.678625	-85.971182	717.87	4.00	721.87
7	37.678591	-85.966128	728.61	4.00	732.61

Name: 209

Footprint area: 20.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688681	-85.949729	752.55	4.00	756.56
2	37.686652	-85.949638	746.03	4.00	750.03
3	37.686393	-85.950555	743.80	4.00	747.80
4	37.684393	-85.950571	736.81	4.00	740.81
5	37.683969	-85.952170	734.18	4.00	738.18
6	37.686261	-85.952159	740.02	4.00	744.02
7	37.688261	-85.952191	761.42	4.00	765.42

Name: 210

Footprint area: 23.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

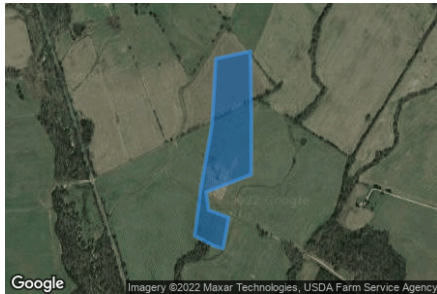
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688266	-85.952202	761.37	4.00	765.37
2	37.686024	-85.952164	738.72	4.00	742.72
3	37.683961	-85.952175	734.19	4.00	738.19
4	37.683354	-85.954176	729.15	4.00	733.15
5	37.682725	-85.954065	726.66	4.00	730.66
6	37.682462	-85.953170	726.24	4.00	730.24
7	37.681384	-85.953420	726.88	4.00	730.88
8	37.681471	-85.953819	726.62	4.00	730.62
9	37.681830	-85.954680	726.62	4.00	730.62
10	37.683456	-85.954417	731.20	4.00	735.20
11	37.685742	-85.953905	739.04	4.00	743.04
12	37.688007	-85.953747	748.00	4.00	752.00

Name: 211

Footprint area: 23.2 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

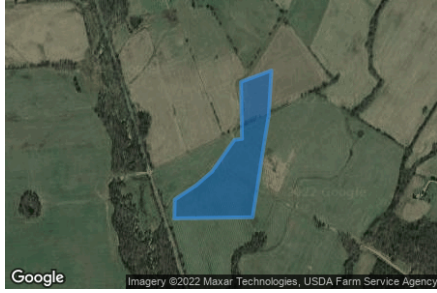
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.687336	-85.953806	749.09	4.00	753.10
2	37.686937	-85.955158	742.30	4.00	746.30
3	37.684933	-85.955115	733.93	4.00	737.93
4	37.684899	-85.955447	733.85	4.00	737.85
5	37.683770	-85.956456	728.06	4.00	732.06
6	37.683286	-85.957175	725.12	4.00	729.12
7	37.682802	-85.958097	722.93	4.00	726.93
8	37.682140	-85.958119	722.55	4.00	726.55
9	37.682182	-85.954643	726.17	4.00	730.17
10	37.684959	-85.954096	734.03	4.00	738.03
11	37.685757	-85.953924	739.58	4.00	743.58

Name: 212

Footprint area: 16.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

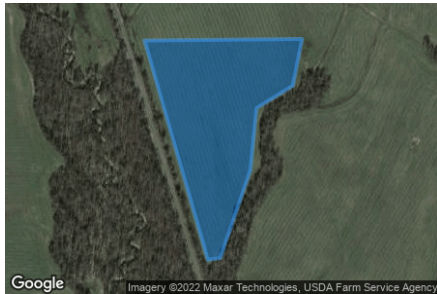
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.682140	-85.958130	722.45	4.00	726.45
2	37.678310	-85.956724	719.66	4.00	723.66
3	37.678344	-85.956445	719.14	4.00	723.15
4	37.679872	-85.955780	723.84	4.00	727.84
5	37.680959	-85.955640	726.72	4.00	730.72
6	37.681350	-85.954836	726.62	4.00	730.62
7	37.682165	-85.954632	726.15	4.00	730.15

Name: 213

Footprint area: 22.5 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

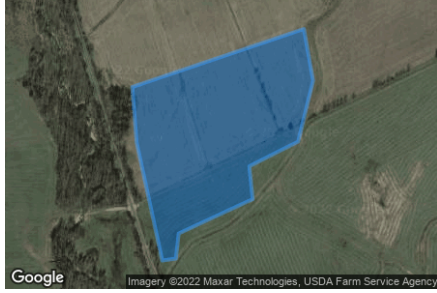
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685866	-85.959215	729.59	4.00	733.59
2	37.686885	-85.955407	742.06	4.00	746.06
3	37.685976	-85.955203	738.54	4.00	742.54
4	37.684906	-85.955535	734.05	4.00	738.05
5	37.684473	-85.956619	732.74	4.00	736.74
6	37.683896	-85.956544	727.52	4.00	731.52
7	37.683293	-85.958185	723.98	4.00	727.98
8	37.682852	-85.958250	722.20	4.00	726.20
9	37.682818	-85.958550	723.57	4.00	727.57
10	37.684889	-85.959119	728.79	4.00	732.79

Name: 214

Footprint area: 24.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

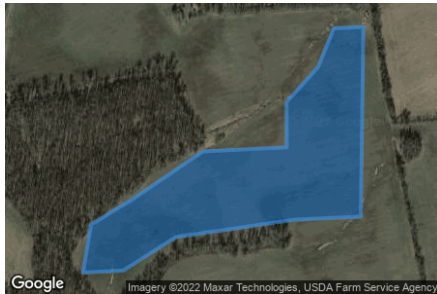
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688871	-85.969805	751.94	4.00	755.94
2	37.688897	-85.969150	757.30	4.00	761.30
3	37.685586	-85.969207	749.14	4.00	753.14
4	37.685535	-85.970668	743.55	4.00	747.55
5	37.685229	-85.973313	736.34	4.00	740.34
6	37.684647	-85.974477	731.42	4.00	735.42
7	37.684609	-85.975373	730.68	4.00	734.69
8	37.685445	-85.975196	732.03	4.00	736.03
9	37.685891	-85.974268	734.96	4.00	738.96
10	37.686723	-85.972712	741.00	4.00	745.00
11	37.686795	-85.970851	754.00	4.00	758.00
12	37.687581	-85.970856	747.67	4.00	751.67
13	37.688196	-85.970153	751.87	4.00	755.88

Name: 215

Footprint area: 18.9 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.686709	-85.969197	759.47	4.00	763.47
2	37.686726	-85.968296	756.65	4.00	760.65
3	37.686488	-85.968296	757.34	4.00	761.35
4	37.686581	-85.964412	752.77	4.00	756.77
5	37.687108	-85.964412	749.14	4.00	753.14
6	37.687150	-85.962481	732.69	4.00	736.69
7	37.686586	-85.962126	731.06	4.00	735.06
8	37.685953	-85.962094	731.18	4.00	735.18
9	37.685656	-85.962084	733.58	4.00	737.58
10	37.685588	-85.969208	749.14	4.00	753.14

Name: 216

Footprint area: 23.8 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685639	-85.964594	744.85	4.00	748.85
2	37.684544	-85.964546	742.33	4.00	746.33
3	37.684561	-85.966268	753.56	4.00	757.56
4	37.684493	-85.968446	749.92	4.00	753.92
5	37.684017	-85.970763	743.19	4.00	747.19
6	37.683627	-85.973520	732.98	4.00	736.98
7	37.684775	-85.973400	736.77	4.00	740.77
8	37.684832	-85.971128	745.46	4.00	749.46
9	37.684832	-85.970774	743.80	4.00	747.80
10	37.685503	-85.970795	743.16	4.00	747.16
11	37.685529	-85.970409	743.84	4.00	747.84
12	37.685596	-85.969197	749.29	4.00	753.29

Name: 217

Footprint area: 10.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.680481	-85.962026	741.81	4.00	745.81
2	37.680430	-85.960438	727.57	4.00	731.57
3	37.678070	-85.959988	727.91	4.00	731.91
4	37.678172	-85.962005	731.64	4.00	735.64



2-Mile Flight Path Receptor(s)

Name: Elizabethtown Regional Airport Runway 23
Description:
Threshold height : 50 ft
Direction: 225.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



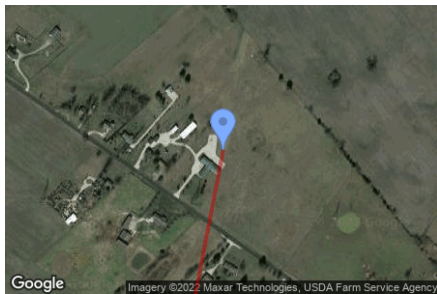
Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.691634	-85.917563	769.91	50.00	819.91
2-mile point	37.711924	-85.891503	745.53	627.83	1373.37

Name: Elizabethtown Regional Airport Runway 5
Description:
Threshold height : 50 ft
Direction: 49.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.680407	-85.932519	751.25	50.00	801.26
2-mile point	37.661653	-85.960355	690.06	664.65	1354.71

Name: Hornback Airstrip Northbound
Description:
Threshold height : 50 ft
Direction: 11.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.620818	-85.791738	782.24	50.00	832.24
2-mile point	37.592433	-85.798686	723.03	662.67	1385.70

Name: Hornback Airstrip Southbound
Description:
Threshold height : 50 ft
Direction: 194.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.625076	-85.790590	733.51	50.00	783.52
2-mile point	37.653055	-85.781377	827.86	509.11	1336.97



Name: Oz Airport NE Bound
Description:
Threshold height : 50 ft
Direction: 313.3 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.652149	-85.809356	834.93	50.00	884.94
2-mile point	37.632309	-85.782761	773.96	664.43	1438.39



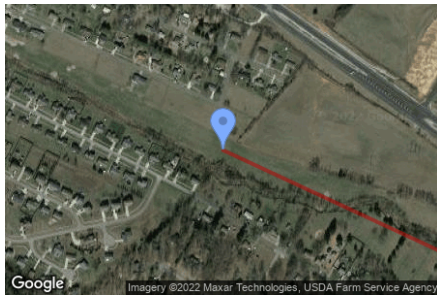
Name: Oz Airport SW Bound
Description:
Threshold height : 50 ft
Direction: 140.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.658203	-85.816375	817.66	50.00	867.66
2-mile point	37.680468	-85.839701	791.67	629.45	1421.12



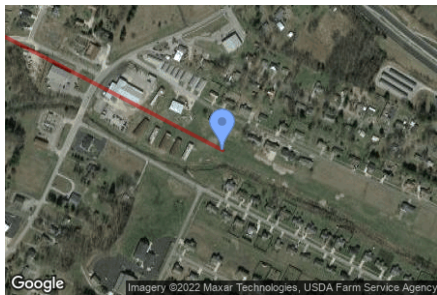
Name: Vine Grove Airport NW Bound
Description:
Threshold height : 50 ft
Direction: 294.9 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.814237	-85.961318	684.17	50.00	734.17
2-mile point	37.802059	-85.928086	754.23	533.39	1287.62



Name: Vine Grove Airport SE Bound
Description:
Threshold height : 50 ft
Direction: 117.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.816483	-85.967294	676.33	50.00	726.33
2-mile point	37.829855	-85.999781	668.90	610.89	1279.79



Route Receptor(s)

Name: Braeburn Court
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.699026	-85.941884	807.82	9.00	816.82
2	37.697599	-85.941240	813.34	9.00	822.34
3	37.696784	-85.941004	811.34	9.00	820.34
4	37.696326	-85.941176	799.40	9.00	808.40
5	37.695936	-85.941584	801.41	9.00	810.41
6	37.695868	-85.942292	793.74	9.00	802.74
7	37.695851	-85.942807	784.31	9.00	793.31

Name: Cecilia Road
Route type: Two-way
View angle: 50.0 deg



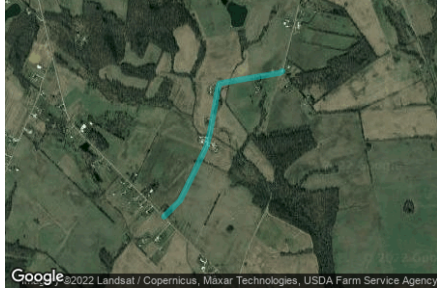
Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.698822	-85.939180	833.50	9.00	842.50
2	37.697769	-85.938065	826.33	9.00	835.33
3	37.697345	-85.937678	823.61	9.00	832.61
4	37.693660	-85.936241	826.90	9.00	835.90
5	37.693304	-85.936541	821.85	9.00	830.85
6	37.693066	-85.937163	823.24	9.00	832.24
7	37.692862	-85.937593	823.55	9.00	832.55
8	37.691504	-85.938773	810.75	9.00	819.76
9	37.690146	-85.939867	791.86	9.00	800.86
10	37.688227	-85.940876	769.19	9.00	778.19
11	37.686002	-85.941112	756.41	9.00	765.41
12	37.685731	-85.940983	757.85	9.00	766.86
13	37.683285	-85.937893	756.79	9.00	765.79

Name: College Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.692181	-85.975721	751.30	9.00	760.31
2	37.690789	-85.974358	745.48	9.00	754.48
3	37.689897	-85.973478	758.52	9.00	767.52

Name: Crisp Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692215	-85.975785	752.48	9.00	761.48
2	37.692096	-85.976032	750.36	9.00	759.36
3	37.691493	-85.980377	736.80	9.00	745.80
4	37.691340	-85.981364	743.06	9.00	752.06
5	37.690950	-85.981536	736.66	9.00	745.66
6	37.689744	-85.981782	733.76	9.00	742.77
7	37.687961	-85.982201	728.71	9.00	737.71
8	37.686968	-85.982501	737.14	9.00	746.14
9	37.686195	-85.982962	741.01	9.00	750.01
10	37.685151	-85.983585	743.98	9.00	752.98
11	37.683843	-85.984400	745.33	9.00	754.33
12	37.683088	-85.984883	748.31	9.00	757.31
13	37.681958	-85.986299	742.25	9.00	751.25

Name: Damson Trail
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.697413	-85.941155	814.27	9.00	823.27
2	37.697650	-85.940125	808.65	9.00	817.65
3	37.697633	-85.939309	816.06	9.00	825.06
4	37.697345	-85.938730	812.60	9.00	821.60
5	37.696105	-85.938429	810.76	9.00	819.76

Name: Goodman Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.696737	-85.955764	758.25	9.00	767.25
2	37.695846	-85.955570	751.20	9.00	760.20
3	37.695252	-85.955528	761.24	9.00	770.24
4	37.694734	-85.955345	770.62	9.00	779.62
5	37.693876	-85.954905	797.43	9.00	806.43
6	37.693562	-85.954744	804.71	9.00	813.71
7	37.693257	-85.954401	807.53	9.00	816.54
8	37.693146	-85.954412	806.26	9.00	815.26
9	37.692679	-85.954884	803.16	9.00	812.16
10	37.692136	-85.955485	802.41	9.00	811.41
11	37.691644	-85.955946	798.39	9.00	807.39
12	37.691406	-85.956171	795.91	9.00	804.91
13	37.690710	-85.956740	785.04	9.00	794.04

Name: Highway 253
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.689580	-85.995085	758.71	9.00	767.71
2	37.688391	-85.994399	752.68	9.00	761.68
3	37.687407	-85.993175	756.58	9.00	765.58
4	37.685369	-85.990579	746.93	9.00	755.93
5	37.683025	-85.987682	740.04	9.00	749.04
6	37.680648	-85.984700	742.14	9.00	751.14
7	37.677897	-85.981224	746.01	9.00	755.01
8	37.675179	-85.977812	743.56	9.00	752.56
9	37.671715	-85.973392	728.94	9.00	737.94
10	37.668963	-85.969980	738.88	9.00	747.88
11	37.665634	-85.965946	714.47	9.00	723.47

Name: Railroad
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.694748	-85.963783	740.07	15.00	755.07
2	37.694481	-85.963620	741.40	15.00	756.40
3	37.693488	-85.963126	737.80	15.00	752.80
4	37.692549	-85.962694	733.98	15.00	748.98
5	37.691212	-85.962145	729.74	15.00	744.75
6	37.690285	-85.961774	728.99	15.00	743.99
7	37.689311	-85.961385	727.80	15.00	742.80
8	37.688358	-85.961015	729.65	15.00	744.65
9	37.687568	-85.960710	730.82	15.00	745.82
10	37.686708	-85.960380	727.11	15.00	742.11
11	37.686243	-85.960192	728.35	15.00	743.35
12	37.685254	-85.959806	727.87	15.00	742.87
13	37.684469	-85.959492	728.07	15.00	743.07
14	37.683412	-85.959081	724.75	15.00	739.75
15	37.682686	-85.958765	723.96	15.00	738.96
16	37.682338	-85.958591	722.47	15.00	737.47
17	37.681737	-85.958379	722.61	15.00	737.61
18	37.681096	-85.958129	723.28	15.00	738.28
19	37.680448	-85.957874	725.07	15.00	740.07
20	37.679128	-85.957357	725.31	15.00	740.31
21	37.678474	-85.957105	722.80	15.00	737.80
22	37.677901	-85.956869	721.49	15.00	736.49
23	37.677379	-85.956673	725.44	15.00	740.44
24	37.676810	-85.956453	723.69	15.00	738.69
25	37.676449	-85.956308	721.59	15.00	736.59

Name: St John Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.699873	-85.980391	777.69	9.00	786.69
2	37.699754	-85.979082	780.22	9.00	789.22
3	37.699635	-85.977483	791.15	9.00	800.15
4	37.699423	-85.975949	784.38	9.00	793.38
5	37.699152	-85.974662	779.96	9.00	788.96
6	37.698821	-85.973138	792.31	9.00	801.31
7	37.698651	-85.971196	783.08	9.00	792.08
8	37.698447	-85.968557	751.27	9.00	760.27
9	37.698226	-85.965563	760.76	9.00	769.76
10	37.698141	-85.964544	770.49	9.00	779.49
11	37.696775	-85.960542	767.42	9.00	776.42
12	37.696325	-85.959169	763.01	9.00	772.01
13	37.696265	-85.958590	753.28	9.00	762.29
14	37.696877	-85.955060	764.73	9.00	773.73
15	37.697590	-85.951509	776.39	9.00	785.39
16	37.698269	-85.949052	801.12	9.00	810.12
17	37.698710	-85.947206	813.26	9.00	822.26
18	37.699067	-85.943526	814.43	9.00	823.43
19	37.699058	-85.942336	806.27	9.00	815.27
20	37.699067	-85.941531	812.96	9.00	821.96
21	37.698973	-85.940376	823.41	9.00	832.41
22	37.698820	-85.939143	833.78	9.00	842.78

Name: Thomas Cecilia Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.681235	-85.949896	723.68	9.00	732.68
2	37.680870	-85.949081	736.61	9.00	745.61
3	37.680513	-85.948394	753.32	9.00	762.32
4	37.679834	-85.947461	763.53	9.00	772.53
5	37.679078	-85.946485	754.27	9.00	763.27
6	37.678671	-85.945927	761.94	9.00	770.94
7	37.678220	-85.945777	760.11	9.00	769.11

Name: West Anjou Court
Route type: Two-way
View angle: 50.0 deg

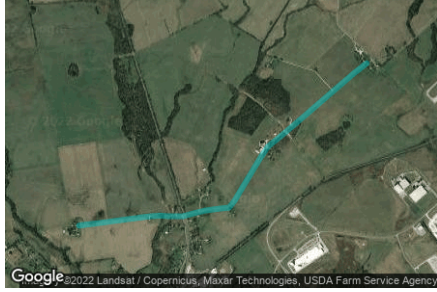


Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.695443	-85.939889	803.53	9.00	812.53
2	37.695851	-85.939459	807.93	9.00	816.93
3	37.696071	-85.938623	810.97	9.00	819.97
4	37.696190	-85.938000	809.26	9.00	818.26

Name: Wimp Lane Hayden School Road

Route type Two-way

View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.671682	-85.964056	717.71	9.00	726.71
2	37.671861	-85.962243	714.20	9.00	723.20
3	37.672073	-85.960269	715.85	9.00	724.85
4	37.672336	-85.957726	707.28	9.00	716.28
5	37.672379	-85.956932	706.80	9.00	715.80
6	37.672345	-85.956170	704.86	9.00	713.87
7	37.672336	-85.954861	710.27	9.00	719.27
8	37.672557	-85.953821	711.35	9.00	720.35
9	37.672735	-85.952887	710.86	9.00	719.86
10	37.672897	-85.951342	712.58	9.00	721.58
11	37.672948	-85.950742	714.57	9.00	723.58
12	37.673423	-85.950259	723.65	9.00	732.65
13	37.675258	-85.948875	729.21	9.00	738.21
14	37.676438	-85.947974	736.15	9.00	745.15
15	37.677236	-85.947308	748.84	9.00	757.84
16	37.677975	-85.946160	756.70	9.00	765.70
17	37.679427	-85.944015	761.60	9.00	770.60
18	37.680785	-85.942041	752.08	9.00	761.08
19	37.682348	-85.939755	771.84	9.00	780.84
20	37.683121	-85.938532	765.38	9.00	774.38

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	ft	ft	ft
OP 1	37.709227	-85.876066	769.34	500.02	1269.37
OP 2	37.669686	-85.968039	718.08	25.00	743.08
OP 3	37.668888	-85.967149	714.17	25.00	739.17
OP 4	37.667962	-85.966087	709.38	25.00	734.38
OP 5	37.666584	-85.962128	700.50	25.00	725.51
OP 6	37.666745	-85.961377	707.03	25.00	732.03
OP 7	37.666773	-85.960843	707.14	25.00	732.14
OP 8	37.666771	-85.959990	703.18	25.00	728.18
OP 9	37.667151	-85.956031	706.53	25.00	731.53
OP 10	37.667452	-85.955883	708.34	25.00	733.34
OP 11	37.667841	-85.955604	706.59	25.00	731.59
OP 12	37.668444	-85.955317	707.47	25.00	732.47
OP 13	37.666728	-85.956415	700.28	25.00	725.28
OP 14	37.666452	-85.957117	701.81	25.00	726.81
OP 15	37.666170	-85.959126	699.00	25.00	724.00
OP 16	37.692803	-85.939196	801.38	25.00	826.38
OP 17	37.693461	-85.937000	836.65	25.00	861.65
OP 18	37.694104	-85.939089	819.07	25.00	844.08
OP 19	37.695475	-85.937880	805.95	25.00	830.95
OP 20	37.696046	-85.937689	811.52	25.00	836.53
OP 21	37.695738	-85.940125	793.25	25.00	818.25
OP 22	37.695910	-85.941074	795.37	25.00	820.37
OP 23	37.696074	-85.943512	789.11	25.00	814.11
OP 24	37.695498	-85.942493	787.60	25.00	812.60
OP 25	37.695541	-85.941956	801.01	25.00	826.01
OP 26	37.696175	-85.942378	795.03	25.00	820.03
OP 27	37.696362	-85.941659	814.30	25.00	839.30
OP 28	37.697872	-85.941034	817.45	25.00	842.45
OP 29	37.698134	-85.941929	808.54	25.00	833.54
OP 30	37.697483	-85.963667	777.18	25.00	802.18
OP 31	37.697292	-85.962395	761.42	25.00	786.42
OP 32	37.695773	-85.960802	768.56	25.00	793.56
OP 33	37.695750	-85.958822	756.53	25.00	781.53
OP 34	37.696902	-85.961456	754.37	25.00	779.37
OP 35	37.698309	-85.963774	786.50	25.00	811.50
OP 36	37.698863	-85.964922	773.09	25.00	798.09
OP 37	37.698341	-85.967186	747.26	25.00	772.26
OP 38	37.696793	-85.952798	772.18	25.00	797.18
OP 39	37.697591	-85.955942	778.59	25.00	803.59
OP 40	37.697752	-85.957004	784.68	25.00	809.69

Summary of PV Glare Analysis

PV configuration and total predicted glare

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced	Data File
	deg	deg	min	min	kWh	
201	SA tracking	SA tracking	0	0	-	
202	SA tracking	SA tracking	0	0	-	
203	SA tracking	SA tracking	0	0	-	
204	SA tracking	SA tracking	0	0	-	
205	SA tracking	SA tracking	0	0	-	
206	SA tracking	SA tracking	0	0	-	
207	SA tracking	SA tracking	0	0	-	
208	SA tracking	SA tracking	0	0	-	
209	SA tracking	SA tracking	0	0	-	
210	SA tracking	SA tracking	0	0	-	
211	SA tracking	SA tracking	0	0	-	
212	SA tracking	SA tracking	0	0	-	
213	SA tracking	SA tracking	0	0	-	
214	SA tracking	SA tracking	0	0	-	
215	SA tracking	SA tracking	0	0	-	
216	SA tracking	SA tracking	0	0	-	
217	SA tracking	SA tracking	0	0	-	

PV & Receptor Analysis Results

Results for each PV array and receptor

201 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

202 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

203 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

204 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

205 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

206 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

207 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

208 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

209 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

210 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

211 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

212 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

213 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

214 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

215 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

216 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

217 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not account for physical obstructions between reflectors and receptors. This includes buildings, tree cover and geographic obstructions
- Detailed system geometry is not rigorously simulated.
- The glare hazard determination relies on several approximations including observer eye characteristics, angle of view, and typical blink response time. Actual values and results may vary.
- The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.
- Several V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results for large PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare.
- The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)
- Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.
- Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
- Glare vector plots are simplified representations of analysis data. Actual glare emanations and results may differ.
- Refer to the **Help page** for detailed assumptions and limitations not listed here.

Telesto Solar

Block 2 8 ft pan 5 ft veh gp 1 houses

Created March 21, 2022
 Updated March 22, 2022
 Time-step 1 minute
 Timezone offset UTC-5
 Site ID 66423.11731

Project type Advanced
 Project status: active
 Category 100 to 500 kW

Misc. Analysis Settings

DNI: varies (1,000.0 W/m² peak)
 Ocular transmission coefficient: 0.5
 Pupil diameter: 0.002 m
 Eye focal length: 0.017 m
 Sun subtended angle: 9.3 mrad

Analysis Methodologies:

- Observation point: **Version 2**
- 2-Mile Flight Path: **Version 2**
- Route: **Version 2**

Summary of Results No glare predicted!

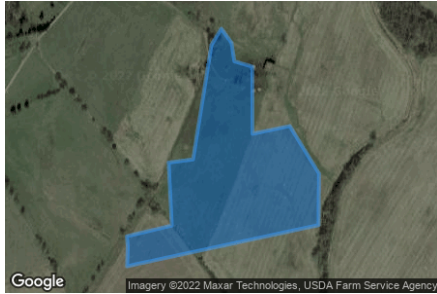
PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced
	deg	deg	min	min	kWh
201	SA tracking	SA tracking	0	0	-
202	SA tracking	SA tracking	0	0	-
203	SA tracking	SA tracking	0	0	-
204	SA tracking	SA tracking	0	0	-
205	SA tracking	SA tracking	0	0	-
206	SA tracking	SA tracking	0	0	-
207	SA tracking	SA tracking	0	0	-
208	SA tracking	SA tracking	0	0	-
209	SA tracking	SA tracking	0	0	-
210	SA tracking	SA tracking	0	0	-
211	SA tracking	SA tracking	0	0	-
212	SA tracking	SA tracking	0	0	-
213	SA tracking	SA tracking	0	0	-
214	SA tracking	SA tracking	0	0	-
215	SA tracking	SA tracking	0	0	-
216	SA tracking	SA tracking	0	0	-
217	SA tracking	SA tracking	0	0	-

Component Data

PV Array(s)

Total PV footprint area: 362.4 acres

Name: 201
Footprint area: 18.9 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691856	-85.951880	780.56	8.00	788.56
2	37.692141	-85.951660	780.78	8.00	788.78
3	37.691894	-85.951435	774.59	8.00	782.59
4	37.691572	-85.951370	771.61	8.00	779.61
5	37.691478	-85.950973	775.10	8.00	783.10
6	37.690307	-85.950968	769.31	8.00	777.31
7	37.690443	-85.950142	760.92	8.00	768.92
8	37.689615	-85.949493	756.54	8.00	764.54
9	37.688715	-85.949504	752.74	8.00	760.74
10	37.687998	-85.953752	748.09	8.00	756.09
11	37.688329	-85.953736	747.78	8.00	755.78
12	37.688520	-85.953758	749.70	8.00	757.70
13	37.688706	-85.952760	754.82	8.00	762.82
14	37.689806	-85.952830	757.08	8.00	765.08
15	37.689861	-85.952288	757.01	8.00	765.01

Name: 202
Footprint area: 24.7 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685639	-85.964626	745.52	8.00	753.52
2	37.685656	-85.961418	733.85	8.00	741.85
3	37.685028	-85.961054	724.63	8.00	732.63
4	37.683219	-85.961086	728.49	8.00	736.49
5	37.683185	-85.965839	738.48	8.00	746.48
6	37.684561	-85.965796	753.26	8.00	761.26
7	37.684586	-85.964605	743.11	8.00	751.11

Name: 203

Footprint area: 24.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.683194	-85.965131	735.84	8.00	743.84
2	37.682073	-85.965195	734.70	8.00	742.70
3	37.682115	-85.968735	739.23	8.00	747.23
4	37.683049	-85.968671	735.43	8.00	743.43
5	37.683032	-85.970656	732.65	8.00	740.65
6	37.684026	-85.970731	743.36	8.00	751.36
7	37.684493	-85.968456	749.90	8.00	757.90
8	37.684569	-85.965806	753.48	8.00	761.48
9	37.683194	-85.965849	738.49	8.00	746.49

Name: 204

Footprint area: 23.2 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.682056	-85.965206	734.97	8.00	742.97
2	37.682030	-85.963929	733.95	8.00	741.95
3	37.682311	-85.963918	732.86	8.00	740.86
4	37.682251	-85.961075	732.82	8.00	740.82
5	37.681207	-85.960753	725.45	8.00	733.45
6	37.680443	-85.960431	727.47	8.00	735.47
7	37.680489	-85.963457	748.89	8.00	756.89
8	37.680536	-85.966590	730.59	8.00	738.59
9	37.682098	-85.966493	736.34	8.00	744.34

Name: 205

Footprint area: 17.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.682098	-85.966493	736.34	8.00	744.34
2	37.680527	-85.966633	730.39	8.00	738.39
3	37.680612	-85.971310	724.31	8.00	732.31
4	37.681241	-85.971203	731.26	8.00	739.26
5	37.681793	-85.970935	732.59	8.00	740.59
6	37.682158	-85.970935	731.54	8.00	739.54



Name: 206

Footprint area: 23.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

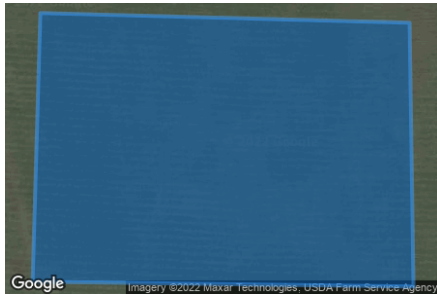
Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.680459	-85.961955	740.48	8.00	748.48
2	37.678158	-85.961912	731.91	8.00	739.91
3	37.678201	-85.966139	725.43	8.00	733.43
4	37.680544	-85.966053	735.70	8.00	743.70



Name: 207

Footprint area: 24.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.680536	-85.966042	735.80	8.00	743.80
2	37.680604	-85.971332	724.30	8.00	732.30
3	37.679551	-85.971289	717.72	8.00	725.72
4	37.678617	-85.971171	717.89	8.00	725.89
5	37.678583	-85.966139	728.46	8.00	736.46

Name: 208

Footprint area: 23.0 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.678226	-85.966096	725.95	8.00	733.95
2	37.676307	-85.966182	718.45	8.00	726.45
3	37.676248	-85.969744	715.26	8.00	723.26
4	37.677759	-85.969701	718.46	8.00	726.46
5	37.677785	-85.971021	717.87	8.00	725.87
6	37.678625	-85.971182	717.87	8.00	725.87
7	37.678591	-85.966128	728.61	8.00	736.61

Name: 209

Footprint area: 20.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688681	-85.949729	752.55	8.00	760.56
2	37.686652	-85.949638	746.03	8.00	754.03
3	37.686393	-85.950555	743.80	8.00	751.80
4	37.684393	-85.950571	736.81	8.00	744.81
5	37.683969	-85.952170	734.18	8.00	742.18
6	37.686261	-85.952159	740.02	8.00	748.02
7	37.688261	-85.952191	761.42	8.00	769.42

Name: 210

Footprint area: 23.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

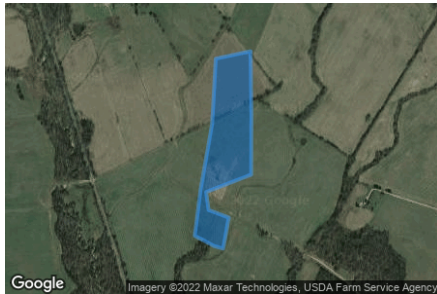
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688266	-85.952202	761.37	8.00	769.37
2	37.686024	-85.952164	738.72	8.00	746.72
3	37.683961	-85.952175	734.19	8.00	742.19
4	37.683354	-85.954176	729.15	8.00	737.15
5	37.682725	-85.954065	726.66	8.00	734.66
6	37.682462	-85.953170	726.24	8.00	734.24
7	37.681384	-85.953420	726.88	8.00	734.88
8	37.681471	-85.953819	726.62	8.00	734.62
9	37.681830	-85.954680	726.62	8.00	734.62
10	37.683456	-85.954417	731.20	8.00	739.20
11	37.685742	-85.953905	739.04	8.00	747.04
12	37.688007	-85.953747	748.00	8.00	756.00

Name: 211

Footprint area: 23.2 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

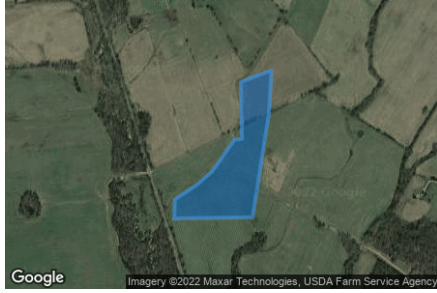
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.687336	-85.953806	749.09	8.00	757.10
2	37.686937	-85.955158	742.30	8.00	750.30
3	37.684933	-85.955115	733.93	8.00	741.93
4	37.684899	-85.955447	733.85	8.00	741.85
5	37.683770	-85.956456	728.06	8.00	736.06
6	37.683286	-85.957175	725.12	8.00	733.12
7	37.682802	-85.958097	722.93	8.00	730.93
8	37.682140	-85.958119	722.55	8.00	730.55
9	37.682182	-85.954643	726.17	8.00	734.17
10	37.684959	-85.954096	734.03	8.00	742.03
11	37.685757	-85.953924	739.58	8.00	747.58

Name: 212

Footprint area: 16.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

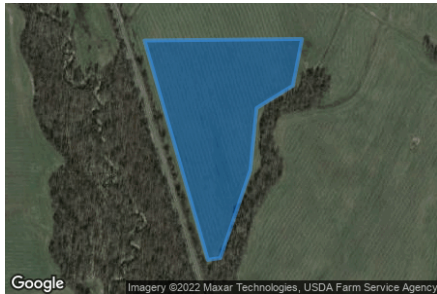
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.682140	-85.958130	722.45	8.00	730.45
2	37.678310	-85.956724	719.66	8.00	727.66
3	37.678344	-85.956445	719.14	8.00	727.15
4	37.679872	-85.955780	723.84	8.00	731.84
5	37.680959	-85.955640	726.72	8.00	734.72
6	37.681350	-85.954836	726.62	8.00	734.62
7	37.682165	-85.954632	726.15	8.00	734.15

Name: 213

Footprint area: 22.5 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

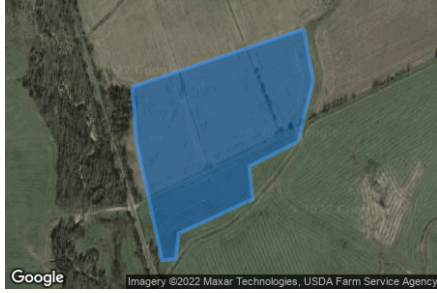
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685866	-85.959215	729.59	8.00	737.59
2	37.686885	-85.955407	742.06	8.00	750.06
3	37.685976	-85.955203	738.54	8.00	746.54
4	37.684906	-85.955535	734.05	8.00	742.05
5	37.684473	-85.956619	732.74	8.00	740.74
6	37.683896	-85.956544	727.52	8.00	735.52
7	37.683293	-85.958185	723.98	8.00	731.99
8	37.682852	-85.958250	722.20	8.00	730.20
9	37.682818	-85.958550	723.57	8.00	731.57
10	37.684889	-85.959119	728.79	8.00	736.79

Name: 214

Footprint area: 24.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

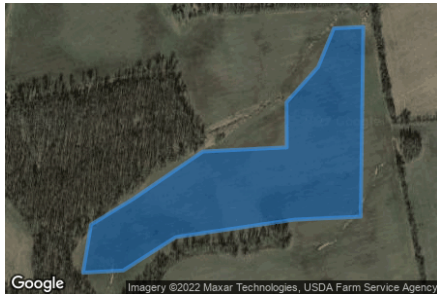
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688871	-85.969805	751.94	8.00	759.94
2	37.688897	-85.969150	757.30	8.00	765.30
3	37.685586	-85.969207	749.14	8.00	757.14
4	37.685535	-85.970668	743.55	8.00	751.55
5	37.685229	-85.973313	736.34	8.00	744.34
6	37.684647	-85.974477	731.42	8.00	739.42
7	37.684609	-85.975373	730.68	8.00	738.69
8	37.685445	-85.975196	732.03	8.00	740.03
9	37.685891	-85.974268	734.96	8.00	742.96
10	37.686723	-85.972712	741.00	8.00	749.00
11	37.686795	-85.970851	754.00	8.00	762.00
12	37.687581	-85.970856	747.67	8.00	755.67
13	37.688196	-85.970153	751.87	8.00	759.88

Name: 215

Footprint area: 19.0 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.686709	-85.969197	759.47	8.00	767.47
2	37.686726	-85.968296	756.65	8.00	764.65
3	37.686488	-85.968296	757.34	8.00	765.35
4	37.686581	-85.964412	752.77	8.00	760.77
5	37.687108	-85.964412	749.14	8.00	757.14
6	37.687150	-85.962481	732.69	8.00	740.69
7	37.686590	-85.962137	731.23	8.00	739.23
8	37.685953	-85.962094	731.18	8.00	739.18
9	37.685656	-85.962084	733.58	8.00	741.58
10	37.685588	-85.969208	749.14	8.00	757.14

Name: 216

Footprint area: 23.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685639	-85.964594	744.85	8.00	752.85
2	37.684595	-85.964605	743.11	8.00	751.11
3	37.684561	-85.966268	753.56	8.00	761.56
4	37.684493	-85.968446	749.92	8.00	757.92
5	37.684017	-85.970763	743.19	8.00	751.19
6	37.683627	-85.973520	732.98	8.00	740.98
7	37.684773	-85.973392	736.89	8.00	744.89
8	37.684832	-85.971128	745.46	8.00	753.46
9	37.684832	-85.970774	743.80	8.00	751.80
10	37.685503	-85.970795	743.16	8.00	751.16
11	37.685529	-85.970409	743.84	8.00	751.84
12	37.685596	-85.969197	749.29	8.00	757.29

Name: 217

Footprint area: 9.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.680473	-85.961994	741.24	8.00	749.24
2	37.680464	-85.960460	727.73	8.00	735.73
3	37.678172	-85.960084	725.98	8.00	733.98
4	37.678146	-85.961908	731.85	8.00	739.85



2-Mile Flight Path Receptor(s)

Name: Elizabethtown Regional Airport Runway 23
Description:
Threshold height : 50 ft
Direction: 225.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



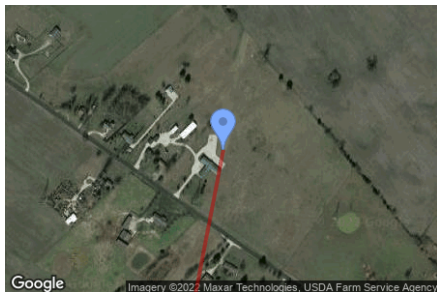
Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.691634	-85.917563	769.91	50.00	819.91
2-mile point	37.711924	-85.891503	745.53	627.83	1373.37

Name: Elizabethtown Regional Airport Runway 5
Description:
Threshold height : 50 ft
Direction: 49.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.680407	-85.932519	751.25	50.00	801.26
2-mile point	37.661653	-85.960355	690.06	664.65	1354.71

Name: Hornback Airstrip Northbound
Description:
Threshold height : 50 ft
Direction: 11.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.620818	-85.791738	782.24	50.00	832.24
2-mile point	37.592433	-85.798686	723.03	662.67	1385.70

Name: Hornback Airstrip Southbound
Description:
Threshold height : 50 ft
Direction: 194.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.625076	-85.790590	733.51	50.00	783.52
2-mile point	37.653055	-85.781377	827.86	509.11	1336.97

Name: Oz Airport NE Bound
Description:
Threshold height : 50 ft
Direction: 313.3 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.652149	-85.809356	834.93	50.00	884.94
2-mile point	37.632309	-85.782761	773.96	664.43	1438.39

Name: Oz Airport SW Bound
Description:
Threshold height : 50 ft
Direction: 140.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.658203	-85.816375	817.66	50.00	867.66
2-mile point	37.680468	-85.839701	791.67	629.45	1421.12

Name: Vine Grove Airport NW Bound

Description:

Threshold height : 50 ft

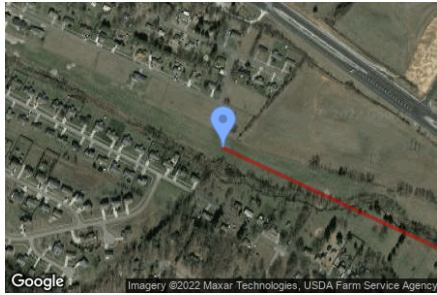
Direction: 294.9 deg

Glide slope: 3.0 deg

Pilot view restricted? Yes

Vertical view restriction: 30.0 deg

Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.814237	-85.961318	684.17	50.00	734.17
2-mile point	37.802059	-85.928086	754.23	533.39	1287.62

Name: Vine Grove Airport SE Bound

Description:

Threshold height : 50 ft

Direction: 117.6 deg

Glide slope: 3.0 deg

Pilot view restricted? Yes

Vertical view restriction: 30.0 deg

Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.816483	-85.967294	676.33	50.00	726.33
2-mile point	37.829855	-85.999781	668.90	610.89	1279.79

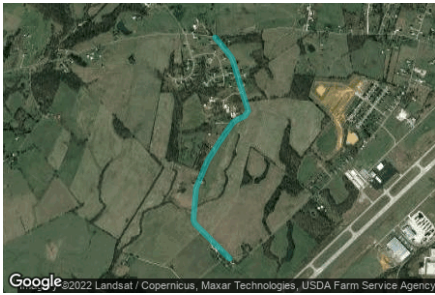
Route Receptor(s)

Name: Braeburn Court
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.699026	-85.941884	807.82	5.00	812.82
2	37.697599	-85.941240	813.34	5.00	818.34
3	37.696784	-85.941004	811.34	5.00	816.34
4	37.696326	-85.941176	799.40	5.00	804.40
5	37.695936	-85.941584	801.41	5.00	806.41
6	37.695868	-85.942292	793.74	5.00	798.74
7	37.695851	-85.942807	784.31	5.00	789.31

Name: Cecilia Road
Route type: Two-way
View angle: 50.0 deg



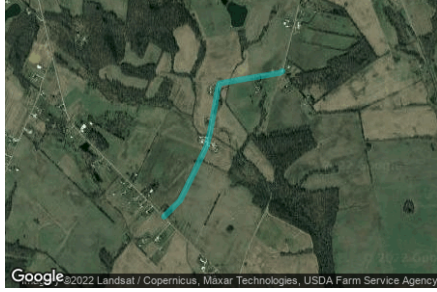
Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.698822	-85.939180	833.50	5.00	838.50
2	37.697769	-85.938065	826.33	5.00	831.33
3	37.697345	-85.937678	823.61	5.00	828.61
4	37.693660	-85.936241	826.90	5.00	831.90
5	37.693304	-85.936541	821.85	5.00	826.85
6	37.693066	-85.937163	823.24	5.00	828.24
7	37.692862	-85.937593	823.55	5.00	828.55
8	37.691504	-85.938773	810.75	5.00	815.76
9	37.690146	-85.939867	791.86	5.00	796.86
10	37.688227	-85.940876	769.19	5.00	774.19
11	37.686002	-85.941112	756.41	5.00	761.41
12	37.685731	-85.940983	757.85	5.00	762.86
13	37.683285	-85.937893	756.79	5.00	761.79

Name: College Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.692181	-85.975721	751.30	5.00	756.30
2	37.690789	-85.974358	745.48	5.00	750.48
3	37.689897	-85.973478	758.52	5.00	763.52

Name: Crisp Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692215	-85.975785	752.48	5.00	757.48
2	37.692096	-85.976032	750.36	5.00	755.36
3	37.691493	-85.980377	736.80	5.00	741.80
4	37.691340	-85.981364	743.06	5.00	748.06
5	37.690950	-85.981536	736.66	5.00	741.66
6	37.689744	-85.981782	733.76	5.00	738.77
7	37.687961	-85.982201	728.71	5.00	733.71
8	37.686968	-85.982501	737.14	5.00	742.14
9	37.686195	-85.982962	741.01	5.00	746.01
10	37.685151	-85.983585	743.98	5.00	748.98
11	37.683843	-85.984400	745.33	5.00	750.33
12	37.683088	-85.984883	748.31	5.00	753.31
13	37.681958	-85.986299	742.25	5.00	747.25

Name: Damson Trail
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.697413	-85.941155	814.27	5.00	819.27
2	37.697650	-85.940125	808.65	5.00	813.65
3	37.697633	-85.939309	816.06	5.00	821.06
4	37.697345	-85.938730	812.60	5.00	817.60
5	37.696105	-85.938429	810.76	5.00	815.76

Name: Goodman Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.696737	-85.955764	758.25	5.00	763.25
2	37.695846	-85.955570	751.20	5.00	756.20
3	37.695252	-85.955528	761.24	5.00	766.24
4	37.694734	-85.955345	770.62	5.00	775.62
5	37.693876	-85.954905	797.43	5.00	802.43
6	37.693562	-85.954744	804.71	5.00	809.71
7	37.693257	-85.954401	807.53	5.00	812.53
8	37.693146	-85.954412	806.26	5.00	811.26
9	37.692679	-85.954884	803.16	5.00	808.16
10	37.692136	-85.955485	802.41	5.00	807.41
11	37.691644	-85.955946	798.39	5.00	803.39
12	37.691406	-85.956171	795.91	5.00	800.91
13	37.690710	-85.956740	785.04	5.00	790.04

Name: Highway 253
Route type: Two-way
View angle: 50.0 deg



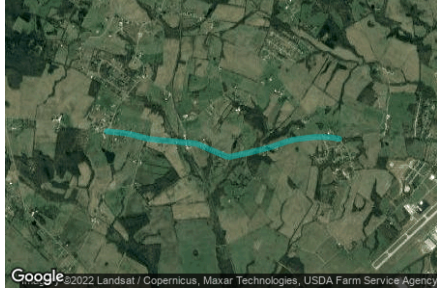
Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.689580	-85.995085	758.71	5.00	763.71
2	37.688391	-85.994399	752.68	5.00	757.68
3	37.687407	-85.993175	756.58	5.00	761.58
4	37.685369	-85.990579	746.93	5.00	751.93
5	37.683025	-85.987682	740.04	5.00	745.04
6	37.680648	-85.984700	742.14	5.00	747.14
7	37.677897	-85.981224	746.01	5.00	751.01
8	37.675179	-85.977812	743.56	5.00	748.56
9	37.671715	-85.973392	728.94	5.00	733.94
10	37.668963	-85.969980	738.88	5.00	743.88
11	37.665634	-85.965946	714.47	5.00	719.47

Name: Railroad
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.694748	-85.963783	740.07	15.00	755.07
2	37.694481	-85.963620	741.40	15.00	756.40
3	37.693488	-85.963126	737.80	15.00	752.80
4	37.692549	-85.962694	733.98	15.00	748.98
5	37.691212	-85.962145	729.74	15.00	744.75
6	37.690285	-85.961774	728.99	15.00	743.99
7	37.689311	-85.961385	727.80	15.00	742.80
8	37.688358	-85.961015	729.65	15.00	744.65
9	37.687568	-85.960710	730.82	15.00	745.82
10	37.686708	-85.960380	727.11	15.00	742.11
11	37.686243	-85.960192	728.35	15.00	743.35
12	37.685254	-85.959806	727.87	15.00	742.87
13	37.684469	-85.959492	728.07	15.00	743.07
14	37.683412	-85.959081	724.75	15.00	739.75
15	37.682686	-85.958765	723.96	15.00	738.96
16	37.682338	-85.958591	722.47	15.00	737.47
17	37.681737	-85.958379	722.61	15.00	737.61
18	37.681096	-85.958129	723.28	15.00	738.28
19	37.680448	-85.957874	725.07	15.00	740.07
20	37.679128	-85.957357	725.31	15.00	740.31
21	37.678474	-85.957105	722.80	15.00	737.80
22	37.677901	-85.956869	721.49	15.00	736.49
23	37.677379	-85.956673	725.44	15.00	740.44
24	37.676810	-85.956453	723.69	15.00	738.69
25	37.676449	-85.956308	721.59	15.00	736.59

Name: St John Road
Route type: Two-way
View angle: 50.0 deg



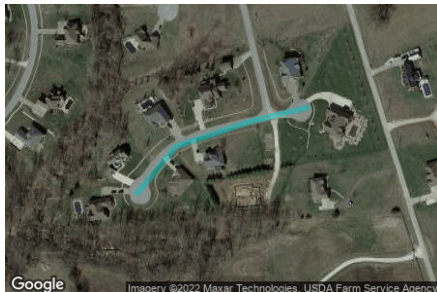
Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.699873	-85.980391	777.69	5.00	782.69
2	37.699754	-85.979082	780.22	5.00	785.22
3	37.699635	-85.977483	791.15	5.00	796.15
4	37.699423	-85.975949	784.38	5.00	789.38
5	37.699152	-85.974662	779.96	5.00	784.96
6	37.698821	-85.973138	792.31	5.00	797.31
7	37.698651	-85.971196	783.08	5.00	788.08
8	37.698447	-85.968557	751.27	5.00	756.27
9	37.698226	-85.965563	760.76	5.00	765.76
10	37.698141	-85.964544	770.49	5.00	775.49
11	37.696775	-85.960542	767.42	5.00	772.42
12	37.696325	-85.959169	763.01	5.00	768.01
13	37.696265	-85.958590	753.28	5.00	758.29
14	37.696877	-85.955060	764.73	5.00	769.73
15	37.697590	-85.951509	776.39	5.00	781.39
16	37.698269	-85.949052	801.12	5.00	806.12
17	37.698710	-85.947206	813.26	5.00	818.26
18	37.699067	-85.943526	814.43	5.00	819.43
19	37.699058	-85.942336	806.27	5.00	811.27
20	37.699067	-85.941531	812.96	5.00	817.96
21	37.698973	-85.940376	823.41	5.00	828.41
22	37.698820	-85.939143	833.78	5.00	838.78

Name: Thomas Cecilia Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.681235	-85.949896	723.68	5.00	728.68
2	37.680870	-85.949081	736.61	5.00	741.61
3	37.680513	-85.948394	753.32	5.00	758.32
4	37.679834	-85.947461	763.53	5.00	768.53
5	37.679078	-85.946485	754.27	5.00	759.27
6	37.678671	-85.945927	761.94	5.00	766.94
7	37.678220	-85.945777	760.11	5.00	765.11

Name: West Anjou Court
Route type: Two-way
View angle: 50.0 deg

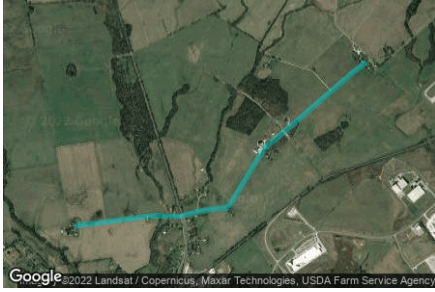


Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.695443	-85.939889	803.53	5.00	808.53
2	37.695851	-85.939459	807.93	5.00	812.93
3	37.696071	-85.938623	810.97	5.00	815.97
4	37.696190	-85.938000	809.26	5.00	814.26

Name: Wimp Lane Hayden School Road

Route type Two-way

View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.671682	-85.964056	717.71	5.00	722.71
2	37.671861	-85.962243	714.20	5.00	719.20
3	37.672073	-85.960269	715.85	5.00	720.85
4	37.672336	-85.957726	707.28	5.00	712.28
5	37.672379	-85.956932	706.80	5.00	711.80
6	37.672345	-85.956170	704.86	5.00	709.86
7	37.672336	-85.954861	710.27	5.00	715.27
8	37.672557	-85.953821	711.35	5.00	716.35
9	37.672735	-85.952887	710.86	5.00	715.86
10	37.672897	-85.951342	712.58	5.00	717.58
11	37.672948	-85.950742	714.57	5.00	719.58
12	37.673423	-85.950259	723.65	5.00	728.65
13	37.675258	-85.948875	729.21	5.00	734.21
14	37.676438	-85.947974	736.15	5.00	741.15
15	37.677236	-85.947308	748.84	5.00	753.84
16	37.677975	-85.946160	756.70	5.00	761.70
17	37.679427	-85.944015	761.60	5.00	766.60
18	37.680785	-85.942041	752.08	5.00	757.08
19	37.682348	-85.939755	771.84	5.00	776.84
20	37.683121	-85.938532	765.38	5.00	770.38

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	ft	ft	ft
OP 1	37.709227	-85.876066	769.34	500.02	1269.37
OP 2	37.689946	-85.973240	760.29	25.00	785.29
OP 3	37.691262	-85.975128	749.16	25.00	774.16
OP 4	37.692714	-85.975230	756.71	25.00	781.71
OP 5	37.691370	-85.977886	750.37	25.00	775.38
OP 6	37.690695	-85.982081	745.86	25.00	770.87
OP 7	37.689965	-85.981523	735.11	25.00	760.11
OP 8	37.688634	-85.982341	735.08	25.00	760.08
OP 9	37.682247	-85.986246	745.18	25.00	770.19
OP 10	37.682171	-85.987662	741.47	25.00	766.47
OP 11	37.674928	-85.975855	741.99	25.00	766.99
OP 12	37.675026	-85.975340	742.32	25.00	767.32
OP 13	37.692557	-85.963575	747.50	25.00	772.51
OP 14	37.691267	-85.963023	743.17	25.00	768.17
OP 15	37.690148	-85.957133	786.28	25.00	811.28
OP 16	37.693479	-85.953962	810.30	25.00	835.31
OP 17	37.693196	-85.954957	809.84	25.00	834.84
OP 18	37.694049	-85.954595	793.56	25.00	818.56
OP 19	37.694932	-85.955805	766.92	25.00	791.92
OP 20	37.697613	-85.955907	779.11	25.00	804.11
OP 21	37.697373	-85.954770	779.43	25.00	804.44
OP 22	37.697498	-85.953002	767.48	25.00	792.49
OP 23	37.697159	-85.951894	789.36	25.00	814.36
OP 24	37.696800	-85.952852	770.74	25.00	795.74
OP 25	37.691922	-85.939064	812.85	25.00	837.85
OP 26	37.691056	-85.939643	796.95	25.00	821.95
OP 27	37.688624	-85.940308	785.19	25.00	810.19
OP 28	37.684022	-85.939257	769.41	25.00	794.41
OP 29	37.682807	-85.938125	767.53	25.00	792.53
OP 30	37.683538	-85.939187	774.46	25.00	799.46
OP 31	37.679067	-85.945418	776.12	25.00	801.13
OP 32	37.676664	-85.947114	751.32	25.00	776.33
OP 33	37.673934	-85.952816	720.45	25.00	745.45
OP 34	37.682887	-85.946969	741.71	25.00	766.71
OP 35	37.671315	-85.964390	723.28	25.00	748.29
OP 36	37.671845	-85.964417	721.81	25.00	746.81
OP 37	37.672571	-85.974009	743.75	25.00	768.75
OP 38	37.671043	-85.971723	734.52	25.00	759.53
OP 39	37.670525	-85.968998	722.52	25.00	747.52
OP 40	37.670194	-85.968730	724.53	25.00	749.53

Summary of PV Glare Analysis

PV configuration and total predicted glare

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced	Data File
	deg	deg	min	min	kWh	
201	SA tracking	SA tracking	0	0	-	
202	SA tracking	SA tracking	0	0	-	
203	SA tracking	SA tracking	0	0	-	
204	SA tracking	SA tracking	0	0	-	
205	SA tracking	SA tracking	0	0	-	
206	SA tracking	SA tracking	0	0	-	
207	SA tracking	SA tracking	0	0	-	
208	SA tracking	SA tracking	0	0	-	
209	SA tracking	SA tracking	0	0	-	
210	SA tracking	SA tracking	0	0	-	
211	SA tracking	SA tracking	0	0	-	
212	SA tracking	SA tracking	0	0	-	
213	SA tracking	SA tracking	0	0	-	
214	SA tracking	SA tracking	0	0	-	
215	SA tracking	SA tracking	0	0	-	
216	SA tracking	SA tracking	0	0	-	
217	SA tracking	SA tracking	0	0	-	

PV & Receptor Analysis Results

Results for each PV array and receptor

201 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

202 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

203 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

204 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

205 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

206 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

207 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

208 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

209 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

210 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

211 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

212 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

213 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

214 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

215 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

216 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

217 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not account for physical obstructions between reflectors and receptors. This includes buildings, tree cover and geographic obstructions
- Detailed system geometry is not rigorously simulated.
- The glare hazard determination relies on several approximations including observer eye characteristics, angle of view, and typical blink response time. Actual values and results may vary.
- The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.
- Several V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results for large PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare.
- The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)
- Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.
- Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
- Glare vector plots are simplified representations of analysis data. Actual glare emanations and results may differ.
- Refer to the **Help page** for detailed assumptions and limitations not listed here.

Telesto Solar

Block 2 8 ft pan 9 ft veh gp 2 houses

Created March 21, 2022
 Updated March 22, 2022
 Time-step 1 minute
 Timezone offset UTC-5
 Site ID 66439.11731

Project type Advanced
 Project status: active
 Category 100 to 500 kW

Misc. Analysis Settings

DNI: varies (1,000.0 W/m² peak)
 Ocular transmission coefficient: 0.5
 Pupil diameter: 0.002 m
 Eye focal length: 0.017 m
 Sun subtended angle: 9.3 mrad

Analysis Methodologies:

- Observation point: **Version 2**
- 2-Mile Flight Path: **Version 2**
- Route: **Version 2**

Summary of Results No glare predicted!

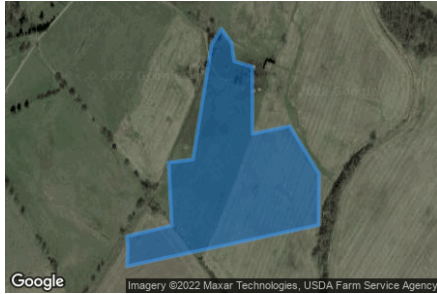
PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced
	deg	deg	min	min	kWh
201	SA tracking	SA tracking	0	0	-
202	SA tracking	SA tracking	0	0	-
203	SA tracking	SA tracking	0	0	-
204	SA tracking	SA tracking	0	0	-
205	SA tracking	SA tracking	0	0	-
206	SA tracking	SA tracking	0	0	-
207	SA tracking	SA tracking	0	0	-
208	SA tracking	SA tracking	0	0	-
209	SA tracking	SA tracking	0	0	-
210	SA tracking	SA tracking	0	0	-
211	SA tracking	SA tracking	0	0	-
212	SA tracking	SA tracking	0	0	-
213	SA tracking	SA tracking	0	0	-
214	SA tracking	SA tracking	0	0	-
215	SA tracking	SA tracking	0	0	-
216	SA tracking	SA tracking	0	0	-
217	SA tracking	SA tracking	0	0	-

Component Data

PV Array(s)

Total PV footprint area: 362.1 acres

Name: 201
Footprint area: 18.9 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691856	-85.951880	780.56	8.00	788.56
2	37.692141	-85.951660	780.78	8.00	788.78
3	37.691894	-85.951435	774.59	8.00	782.59
4	37.691572	-85.951370	771.61	8.00	779.61
5	37.691478	-85.950973	775.10	8.00	783.10
6	37.690307	-85.950968	769.31	8.00	777.31
7	37.690443	-85.950142	760.92	8.00	768.92
8	37.689615	-85.949493	756.54	8.00	764.54
9	37.688715	-85.949504	752.74	8.00	760.74
10	37.687998	-85.953752	748.09	8.00	756.09
11	37.688329	-85.953736	747.78	8.00	755.78
12	37.688520	-85.953758	749.70	8.00	757.70
13	37.688706	-85.952760	754.82	8.00	762.82
14	37.689806	-85.952830	757.08	8.00	765.08
15	37.689861	-85.952288	757.01	8.00	765.01

Name: 202
Footprint area: 24.7 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685639	-85.964626	745.52	8.00	753.52
2	37.685656	-85.961418	733.85	8.00	741.85
3	37.685028	-85.961054	724.63	8.00	732.63
4	37.683219	-85.961086	728.49	8.00	736.49
5	37.683185	-85.965839	738.48	8.00	746.48
6	37.684561	-85.965796	753.26	8.00	761.26
7	37.684586	-85.964605	743.11	8.00	751.11

Name: 203

Footprint area: 24.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.683194	-85.965131	735.84	8.00	743.84
2	37.682073	-85.965195	734.70	8.00	742.70
3	37.682115	-85.968735	739.23	8.00	747.23
4	37.683049	-85.968671	735.43	8.00	743.43
5	37.683032	-85.970656	732.65	8.00	740.65
6	37.684026	-85.970731	743.36	8.00	751.36
7	37.684493	-85.968456	749.90	8.00	757.90
8	37.684569	-85.965806	753.48	8.00	761.48
9	37.683194	-85.965849	738.49	8.00	746.49

Name: 204

Footprint area: 23.2 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.682056	-85.965206	734.97	8.00	742.97
2	37.682030	-85.963929	733.95	8.00	741.95
3	37.682311	-85.963918	732.86	8.00	740.86
4	37.682251	-85.961075	732.82	8.00	740.82
5	37.681207	-85.960753	725.45	8.00	733.45
6	37.680443	-85.960431	727.47	8.00	735.47
7	37.680489	-85.963457	748.89	8.00	756.89
8	37.680536	-85.966590	730.59	8.00	738.59
9	37.682098	-85.966493	736.34	8.00	744.34

Name: 205

Footprint area: 17.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.682098	-85.966493	736.34	8.00	744.34
2	37.680527	-85.966633	730.39	8.00	738.39
3	37.680612	-85.971310	724.31	8.00	732.31
4	37.681241	-85.971203	731.26	8.00	739.26
5	37.681793	-85.970935	732.59	8.00	740.59
6	37.682158	-85.970935	731.54	8.00	739.54



Name: 206

Footprint area: 23.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

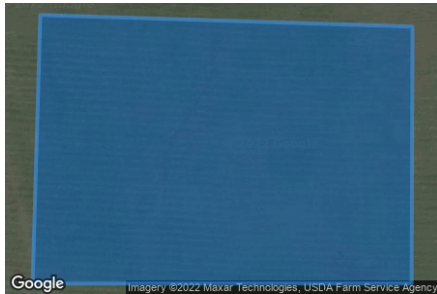
Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.680443	-85.961923	739.89	8.00	747.89
2	37.678201	-85.961933	732.12	8.00	740.12
3	37.678201	-85.966139	725.43	8.00	733.43
4	37.680544	-85.966053	735.70	8.00	743.70



Name: 207

Footprint area: 24.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.680536	-85.966042	735.80	8.00	743.80
2	37.680604	-85.971332	724.30	8.00	732.30
3	37.679551	-85.971289	717.72	8.00	725.72
4	37.678617	-85.971171	717.89	8.00	725.89
5	37.678583	-85.966139	728.46	8.00	736.46

Name: 208

Footprint area: 23.0 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.678226	-85.966096	725.95	8.00	733.95
2	37.676307	-85.966182	718.45	8.00	726.45
3	37.676248	-85.969744	715.26	8.00	723.26
4	37.677759	-85.969701	718.46	8.00	726.46
5	37.677785	-85.971021	717.87	8.00	725.87
6	37.678625	-85.971182	717.87	8.00	725.87
7	37.678591	-85.966128	728.61	8.00	736.61

Name: 209

Footprint area: 20.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688681	-85.949729	752.55	8.00	760.56
2	37.686652	-85.949638	746.03	8.00	754.03
3	37.686393	-85.950555	743.80	8.00	751.80
4	37.684393	-85.950571	736.81	8.00	744.81
5	37.683969	-85.952170	734.18	8.00	742.18
6	37.686261	-85.952159	740.02	8.00	748.02
7	37.688261	-85.952191	761.42	8.00	769.42

Name: 210

Footprint area: 23.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688266	-85.952202	761.37	8.00	769.37
2	37.686024	-85.952164	738.72	8.00	746.72
3	37.683961	-85.952175	734.19	8.00	742.19
4	37.683354	-85.954176	729.15	8.00	737.15
5	37.682725	-85.954065	726.66	8.00	734.66
6	37.682462	-85.953170	726.24	8.00	734.24
7	37.681384	-85.953420	726.88	8.00	734.88
8	37.681471	-85.953819	726.62	8.00	734.62
9	37.681830	-85.954680	726.62	8.00	734.62
10	37.683456	-85.954417	731.20	8.00	739.20
11	37.685742	-85.953905	739.04	8.00	747.04
12	37.688007	-85.953747	748.00	8.00	756.00

Name: 211

Footprint area: 23.2 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.687336	-85.953806	749.09	8.00	757.10
2	37.686937	-85.955158	742.30	8.00	750.30
3	37.684933	-85.955115	733.93	8.00	741.93
4	37.684899	-85.955447	733.85	8.00	741.85
5	37.683770	-85.956456	728.06	8.00	736.06
6	37.683286	-85.957175	725.12	8.00	733.12
7	37.682802	-85.958097	722.93	8.00	730.93
8	37.682140	-85.958119	722.55	8.00	730.55
9	37.682182	-85.954643	726.17	8.00	734.17
10	37.684959	-85.954096	734.03	8.00	742.03
11	37.685757	-85.953924	739.58	8.00	747.58

Name: 212

Footprint area: 16.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

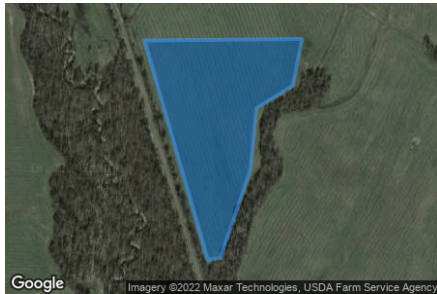
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.682140	-85.958130	722.45	8.00	730.45
2	37.678310	-85.956724	719.66	8.00	727.66
3	37.678344	-85.956445	719.14	8.00	727.15
4	37.679872	-85.955780	723.84	8.00	731.84
5	37.680959	-85.955640	726.72	8.00	734.72
6	37.681350	-85.954836	726.62	8.00	734.62
7	37.682165	-85.954632	726.15	8.00	734.15

Name: 213

Footprint area: 22.5 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

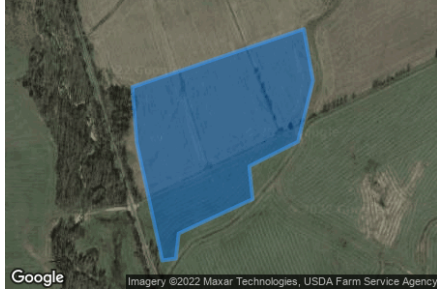
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685866	-85.959215	729.59	8.00	737.59
2	37.686885	-85.955407	742.06	8.00	750.06
3	37.685976	-85.955203	738.54	8.00	746.54
4	37.684906	-85.955535	734.05	8.00	742.05
5	37.684473	-85.956619	732.74	8.00	740.74
6	37.683896	-85.956544	727.52	8.00	735.52
7	37.683293	-85.958185	723.98	8.00	731.99
8	37.682852	-85.958250	722.20	8.00	730.20
9	37.682818	-85.958550	723.57	8.00	731.57
10	37.684889	-85.959119	728.79	8.00	736.79

Name: 214

Footprint area: 24.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

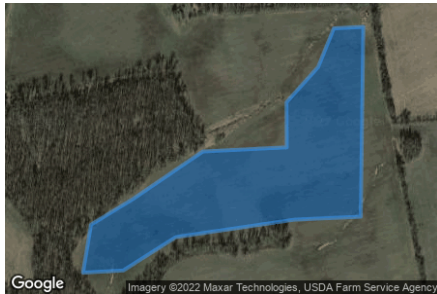
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688871	-85.969805	751.94	8.00	759.94
2	37.688897	-85.969150	757.30	8.00	765.30
3	37.685586	-85.969207	749.14	8.00	757.14
4	37.685535	-85.970668	743.55	8.00	751.55
5	37.685229	-85.973313	736.34	8.00	744.34
6	37.684647	-85.974477	731.42	8.00	739.42
7	37.684609	-85.975373	730.68	8.00	738.69
8	37.685445	-85.975196	732.03	8.00	740.03
9	37.685891	-85.974268	734.96	8.00	742.96
10	37.686723	-85.972712	741.00	8.00	749.00
11	37.686795	-85.970851	754.00	8.00	762.00
12	37.687581	-85.970856	747.67	8.00	755.67
13	37.688196	-85.970153	751.87	8.00	759.88

Name: 215

Footprint area: 19.0 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.686709	-85.969197	759.47	8.00	767.47
2	37.686726	-85.968296	756.65	8.00	764.65
3	37.686488	-85.968296	757.34	8.00	765.35
4	37.686581	-85.964412	752.77	8.00	760.77
5	37.687108	-85.964412	749.14	8.00	757.14
6	37.687150	-85.962481	732.69	8.00	740.69
7	37.686590	-85.962137	731.23	8.00	739.23
8	37.685953	-85.962094	731.18	8.00	739.18
9	37.685656	-85.962084	733.58	8.00	741.58
10	37.685588	-85.969208	749.14	8.00	757.14

Name: 216

Footprint area: 23.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685639	-85.964594	744.85	8.00	752.85
2	37.684595	-85.964605	743.11	8.00	751.11
3	37.684561	-85.966268	753.56	8.00	761.56
4	37.684493	-85.968446	749.92	8.00	757.92
5	37.684017	-85.970763	743.19	8.00	751.19
6	37.683627	-85.973520	732.98	8.00	740.98
7	37.684773	-85.973392	736.89	8.00	744.89
8	37.684832	-85.971128	745.46	8.00	753.46
9	37.684832	-85.970774	743.80	8.00	751.80
10	37.685503	-85.970795	743.16	8.00	751.16
11	37.685529	-85.970409	743.84	8.00	751.84
12	37.685596	-85.969197	749.29	8.00	757.29

Name: 217

Footprint area: 9.3 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

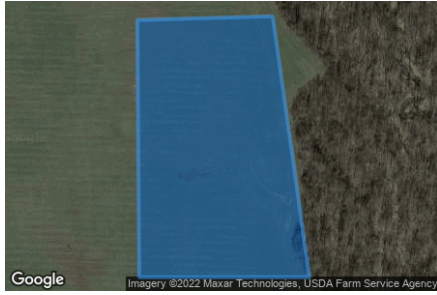
Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.680447	-85.961962	740.75	8.00	748.75
2	37.680481	-85.960460	727.76	8.00	735.76
3	37.678189	-85.960052	726.04	8.00	734.04
4	37.678189	-85.961940	732.01	8.00	740.01



2-Mile Flight Path Receptor(s)

Name: Elizabethtown Regional Airport Runway 23
Description:
Threshold height : 50 ft
Direction: 225.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



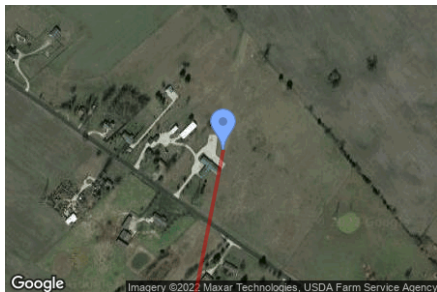
Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.691634	-85.917563	769.91	50.00	819.91
2-mile point	37.711924	-85.891503	745.53	627.83	1373.37

Name: Elizabethtown Regional Airport Runway 5
Description:
Threshold height : 50 ft
Direction: 49.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.680407	-85.932519	751.25	50.00	801.26
2-mile point	37.661653	-85.960355	690.06	664.65	1354.71

Name: Hornback Airstrip Northbound
Description:
Threshold height : 50 ft
Direction: 11.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.620818	-85.791738	782.24	50.00	832.24
2-mile point	37.592433	-85.798686	723.03	662.67	1385.70

Name: Hornback Airstrip Southbound
Description:
Threshold height : 50 ft
Direction: 194.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.625076	-85.790590	733.51	50.00	783.52
2-mile point	37.653055	-85.781377	827.86	509.11	1336.97

Name: Oz Airport NE Bound
Description:
Threshold height : 50 ft
Direction: 313.3 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.652149	-85.809356	834.93	50.00	884.94
2-mile point	37.632309	-85.782761	773.96	664.43	1438.39

Name: Oz Airport SW Bound
Description:
Threshold height : 50 ft
Direction: 140.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.658203	-85.816375	817.66	50.00	867.66
2-mile point	37.680468	-85.839701	791.67	629.45	1421.12

Name: Vine Grove Airport NW Bound

Description:

Threshold height : 50 ft

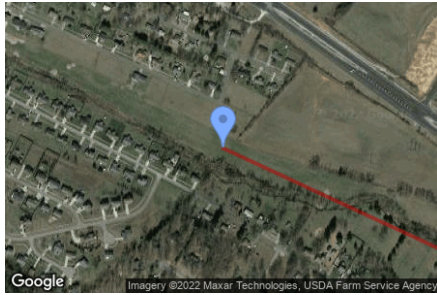
Direction: 294.9 deg

Glide slope: 3.0 deg

Pilot view restricted? Yes

Vertical view restriction: 30.0 deg

Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.814237	-85.961318	684.17	50.00	734.17
2-mile point	37.802059	-85.928086	754.23	533.39	1287.62

Name: Vine Grove Airport SE Bound

Description:

Threshold height : 50 ft

Direction: 117.6 deg

Glide slope: 3.0 deg

Pilot view restricted? Yes

Vertical view restriction: 30.0 deg

Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.816483	-85.967294	676.33	50.00	726.33
2-mile point	37.829855	-85.999781	668.90	610.89	1279.79

Route Receptor(s)

Name: Braeburn Court
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.699026	-85.941884	807.82	9.00	816.82
2	37.697599	-85.941240	813.34	9.00	822.34
3	37.696784	-85.941004	811.34	9.00	820.34
4	37.696326	-85.941176	799.40	9.00	808.40
5	37.695936	-85.941584	801.41	9.00	810.41
6	37.695868	-85.942292	793.74	9.00	802.74
7	37.695851	-85.942807	784.31	9.00	793.31

Name: Cecilia Road
Route type: Two-way
View angle: 50.0 deg



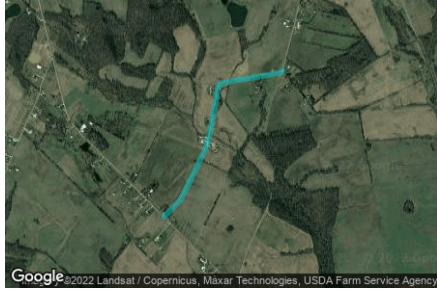
Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.698822	-85.939180	833.50	9.00	842.50
2	37.697769	-85.938065	826.33	9.00	835.33
3	37.697345	-85.937678	823.61	9.00	832.61
4	37.693660	-85.936241	826.90	9.00	835.90
5	37.693304	-85.936541	821.85	9.00	830.85
6	37.693066	-85.937163	823.24	9.00	832.24
7	37.692862	-85.937593	823.55	9.00	832.55
8	37.691504	-85.938773	810.75	9.00	819.76
9	37.690146	-85.939867	791.86	9.00	800.86
10	37.688227	-85.940876	769.19	9.00	778.19
11	37.686002	-85.941112	756.41	9.00	765.41
12	37.685731	-85.940983	757.85	9.00	766.86
13	37.683285	-85.937893	756.79	9.00	765.79

Name: College Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.692181	-85.975721	751.30	9.00	760.31
2	37.690789	-85.974358	745.48	9.00	754.48
3	37.689897	-85.973478	758.52	9.00	767.52

Name: Crisp Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692215	-85.975785	752.48	9.00	761.48
2	37.692096	-85.976032	750.36	9.00	759.36
3	37.691493	-85.980377	736.80	9.00	745.80
4	37.691340	-85.981364	743.06	9.00	752.06
5	37.690950	-85.981536	736.66	9.00	745.66
6	37.689744	-85.981782	733.76	9.00	742.77
7	37.687961	-85.982201	728.71	9.00	737.71
8	37.686968	-85.982501	737.14	9.00	746.14
9	37.686195	-85.982962	741.01	9.00	750.01
10	37.685151	-85.983585	743.98	9.00	752.98
11	37.683843	-85.984400	745.33	9.00	754.33
12	37.683088	-85.984883	748.31	9.00	757.31
13	37.681958	-85.986299	742.25	9.00	751.25

Name: Damson Trail
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.697413	-85.941155	814.27	9.00	823.27
2	37.697650	-85.940125	808.65	9.00	817.65
3	37.697633	-85.939309	816.06	9.00	825.06
4	37.697345	-85.938730	812.60	9.00	821.60
5	37.696105	-85.938429	810.76	9.00	819.76

Name: Goodman Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.696737	-85.955764	758.25	9.00	767.25
2	37.695846	-85.955570	751.20	9.00	760.20
3	37.695252	-85.955528	761.24	9.00	770.24
4	37.694734	-85.955345	770.62	9.00	779.62
5	37.693876	-85.954905	797.43	9.00	806.43
6	37.693562	-85.954744	804.71	9.00	813.71
7	37.693257	-85.954401	807.53	9.00	816.54
8	37.693146	-85.954412	806.26	9.00	815.26
9	37.692679	-85.954884	803.16	9.00	812.16
10	37.692136	-85.955485	802.41	9.00	811.41
11	37.691644	-85.955946	798.39	9.00	807.39
12	37.691406	-85.956171	795.91	9.00	804.91
13	37.690710	-85.956740	785.04	9.00	794.04

Name: Highway 253
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.689580	-85.995085	758.71	9.00	767.71
2	37.688391	-85.994399	752.68	9.00	761.68
3	37.687407	-85.993175	756.58	9.00	765.58
4	37.685369	-85.990579	746.93	9.00	755.93
5	37.683025	-85.987682	740.04	9.00	749.04
6	37.680648	-85.984700	742.14	9.00	751.14
7	37.677897	-85.981224	746.01	9.00	755.01
8	37.675179	-85.977812	743.56	9.00	752.56
9	37.671715	-85.973392	728.94	9.00	737.94
10	37.668963	-85.969980	738.88	9.00	747.88
11	37.665634	-85.965946	714.47	9.00	723.47

Name: Railroad
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.694748	-85.963783	740.07	15.00	755.07
2	37.694481	-85.963620	741.40	15.00	756.40
3	37.693488	-85.963126	737.80	15.00	752.80
4	37.692549	-85.962694	733.98	15.00	748.98
5	37.691212	-85.962145	729.74	15.00	744.75
6	37.690285	-85.961774	728.99	15.00	743.99
7	37.689311	-85.961385	727.80	15.00	742.80
8	37.688358	-85.961015	729.65	15.00	744.65
9	37.687568	-85.960710	730.82	15.00	745.82
10	37.686708	-85.960380	727.11	15.00	742.11
11	37.686243	-85.960192	728.35	15.00	743.35
12	37.685254	-85.959806	727.87	15.00	742.87
13	37.684469	-85.959492	728.07	15.00	743.07
14	37.683412	-85.959081	724.75	15.00	739.75
15	37.682686	-85.958765	723.96	15.00	738.96
16	37.682338	-85.958591	722.47	15.00	737.47
17	37.681737	-85.958379	722.61	15.00	737.61
18	37.681096	-85.958129	723.28	15.00	738.28
19	37.680448	-85.957874	725.07	15.00	740.07
20	37.679128	-85.957357	725.31	15.00	740.31
21	37.678474	-85.957105	722.80	15.00	737.80
22	37.677901	-85.956869	721.49	15.00	736.49
23	37.677379	-85.956673	725.44	15.00	740.44
24	37.676810	-85.956453	723.69	15.00	738.69
25	37.676449	-85.956308	721.59	15.00	736.59

Name: St John Road
Route type: Two-way
View angle: 50.0 deg



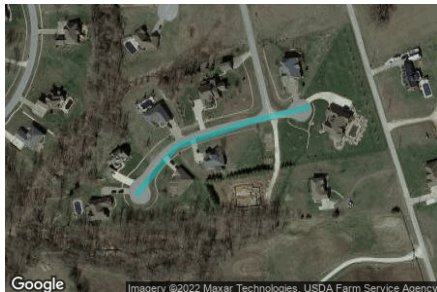
Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.699873	-85.980391	777.69	9.00	786.69
2	37.699754	-85.979082	780.22	9.00	789.22
3	37.699635	-85.977483	791.15	9.00	800.15
4	37.699423	-85.975949	784.38	9.00	793.38
5	37.699152	-85.974662	779.96	9.00	788.96
6	37.698821	-85.973138	792.31	9.00	801.31
7	37.698651	-85.971196	783.08	9.00	792.08
8	37.698447	-85.968557	751.27	9.00	760.27
9	37.698226	-85.965563	760.76	9.00	769.76
10	37.698141	-85.964544	770.49	9.00	779.49
11	37.696775	-85.960542	767.42	9.00	776.42
12	37.696325	-85.959169	763.01	9.00	772.01
13	37.696265	-85.958590	753.28	9.00	762.29
14	37.696877	-85.955060	764.73	9.00	773.73
15	37.697590	-85.951509	776.39	9.00	785.39
16	37.698269	-85.949052	801.12	9.00	810.12
17	37.698710	-85.947206	813.26	9.00	822.26
18	37.699067	-85.943526	814.43	9.00	823.43
19	37.699058	-85.942336	806.27	9.00	815.27
20	37.699067	-85.941531	812.96	9.00	821.96
21	37.698973	-85.940376	823.41	9.00	832.41
22	37.698820	-85.939143	833.78	9.00	842.78

Name: Thomas Cecilia Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.681235	-85.949896	723.68	9.00	732.68
2	37.680870	-85.949081	736.61	9.00	745.61
3	37.680513	-85.948394	753.32	9.00	762.32
4	37.679834	-85.947461	763.53	9.00	772.53
5	37.679078	-85.946485	754.27	9.00	763.27
6	37.678671	-85.945927	761.94	9.00	770.94
7	37.678220	-85.945777	760.11	9.00	769.11

Name: West Anjou Court
Route type: Two-way
View angle: 50.0 deg

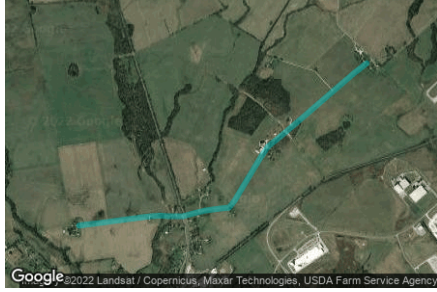


Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.695443	-85.939889	803.53	9.00	812.53
2	37.695851	-85.939459	807.93	9.00	816.93
3	37.696071	-85.938623	810.97	9.00	819.97
4	37.696190	-85.938000	809.26	9.00	818.26

Name: Wimp Lane Hayden School Road

Route type Two-way

View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.671682	-85.964056	717.71	9.00	726.71
2	37.671861	-85.962243	714.20	9.00	723.20
3	37.672073	-85.960269	715.85	9.00	724.85
4	37.672336	-85.957726	707.28	9.00	716.28
5	37.672379	-85.956932	706.80	9.00	715.80
6	37.672345	-85.956170	704.86	9.00	713.87
7	37.672336	-85.954861	710.27	9.00	719.27
8	37.672557	-85.953821	711.35	9.00	720.35
9	37.672735	-85.952887	710.86	9.00	719.86
10	37.672897	-85.951342	712.58	9.00	721.58
11	37.672948	-85.950742	714.57	9.00	723.58
12	37.673423	-85.950259	723.65	9.00	732.65
13	37.675258	-85.948875	729.21	9.00	738.21
14	37.676438	-85.947974	736.15	9.00	745.15
15	37.677236	-85.947308	748.84	9.00	757.84
16	37.677975	-85.946160	756.70	9.00	765.70
17	37.679427	-85.944015	761.60	9.00	770.60
18	37.680785	-85.942041	752.08	9.00	761.08
19	37.682348	-85.939755	771.84	9.00	780.84
20	37.683121	-85.938532	765.38	9.00	774.38

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	ft	ft	ft
OP 1	37.709227	-85.876066	769.34	500.02	1269.37
OP 2	37.669686	-85.968039	718.08	25.00	743.08
OP 3	37.668888	-85.967149	714.17	25.00	739.17
OP 4	37.667962	-85.966087	709.38	25.00	734.38
OP 5	37.666584	-85.962128	700.50	25.00	725.51
OP 6	37.666745	-85.961377	707.03	25.00	732.03
OP 7	37.666773	-85.960843	707.14	25.00	732.14
OP 8	37.666771	-85.959990	703.18	25.00	728.18
OP 9	37.667151	-85.956031	706.53	25.00	731.53
OP 10	37.667452	-85.955883	708.34	25.00	733.34
OP 11	37.667841	-85.955604	706.59	25.00	731.59
OP 12	37.668444	-85.955317	707.47	25.00	732.47
OP 13	37.666728	-85.956415	700.28	25.00	725.28
OP 14	37.666452	-85.957117	701.81	25.00	726.81
OP 15	37.666170	-85.959126	699.00	25.00	724.00
OP 16	37.692803	-85.939196	801.38	25.00	826.38
OP 17	37.693461	-85.937000	836.65	25.00	861.65
OP 18	37.694104	-85.939089	819.07	25.00	844.08
OP 19	37.695475	-85.937880	805.95	25.00	830.95
OP 20	37.696046	-85.937689	811.52	25.00	836.53
OP 21	37.695738	-85.940125	793.25	25.00	818.25
OP 22	37.695910	-85.941074	795.37	25.00	820.37
OP 23	37.696074	-85.943512	789.11	25.00	814.11
OP 24	37.695498	-85.942493	787.60	25.00	812.60
OP 25	37.695541	-85.941956	801.01	25.00	826.01
OP 26	37.696175	-85.942378	795.03	25.00	820.03
OP 27	37.696362	-85.941659	814.30	25.00	839.30
OP 28	37.697872	-85.941034	817.45	25.00	842.45
OP 29	37.698134	-85.941929	808.54	25.00	833.54
OP 30	37.697483	-85.963667	777.18	25.00	802.18
OP 31	37.697292	-85.962395	761.42	25.00	786.42
OP 32	37.695773	-85.960802	768.56	25.00	793.56
OP 33	37.695750	-85.958822	756.53	25.00	781.53
OP 34	37.696902	-85.961456	754.37	25.00	779.37
OP 35	37.698309	-85.963774	786.50	25.00	811.50
OP 36	37.698863	-85.964922	773.09	25.00	798.09
OP 37	37.698341	-85.967186	747.26	25.00	772.26
OP 38	37.696793	-85.952798	772.18	25.00	797.18
OP 39	37.697591	-85.955942	778.59	25.00	803.59
OP 40	37.697752	-85.957004	784.68	25.00	809.69

Summary of PV Glare Analysis

PV configuration and total predicted glare

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced	Data File
	deg	deg	min	min	kWh	
201	SA tracking	SA tracking	0	0	-	
202	SA tracking	SA tracking	0	0	-	
203	SA tracking	SA tracking	0	0	-	
204	SA tracking	SA tracking	0	0	-	
205	SA tracking	SA tracking	0	0	-	
206	SA tracking	SA tracking	0	0	-	
207	SA tracking	SA tracking	0	0	-	
208	SA tracking	SA tracking	0	0	-	
209	SA tracking	SA tracking	0	0	-	
210	SA tracking	SA tracking	0	0	-	
211	SA tracking	SA tracking	0	0	-	
212	SA tracking	SA tracking	0	0	-	
213	SA tracking	SA tracking	0	0	-	
214	SA tracking	SA tracking	0	0	-	
215	SA tracking	SA tracking	0	0	-	
216	SA tracking	SA tracking	0	0	-	
217	SA tracking	SA tracking	0	0	-	

PV & Receptor Analysis Results

Results for each PV array and receptor

201 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

202 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

203 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

204 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

205 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

206 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

207 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

208 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

209 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

210 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

211 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

212 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

213 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

214 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

215 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

216 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

217 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not account for physical obstructions between reflectors and receptors. This includes buildings, tree cover and geographic obstructions
- Detailed system geometry is not rigorously simulated.
- The glare hazard determination relies on several approximations including observer eye characteristics, angle of view, and typical blink response time. Actual values and results may vary.
- The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.
- Several V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results for large PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare.
- The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)
- Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.
- Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
- Glare vector plots are simplified representations of analysis data. Actual glare emanations and results may differ.
- Refer to the **Help page** for detailed assumptions and limitations not listed here.

Telesto Solar

Block 2 12 ft pan 5 ft veh gp 1 houses

Created March 21, 2022
Updated March 22, 2022
Time-step 1 minute
Timezone offset UTC-5
Site ID 66457.11731

Project type Advanced
Project status: active
Category 100 to 500 kW

Misc. Analysis Settings

DNI: varies (1,000.0 W/m² peak)
Ocular transmission coefficient: 0.5
Pupil diameter: 0.002 m
Eye focal length: 0.017 m
Sun subtended angle: 9.3 mrad

Analysis Methodologies:

- Observation point: **Version 2**
- 2-Mile Flight Path: **Version 2**
- Route: **Version 2**

Summary of Results No glare predicted!

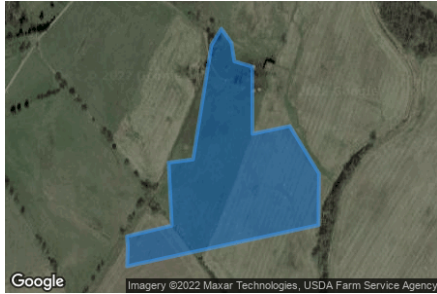
PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced
	deg	deg	min	min	kWh
201	SA tracking	SA tracking	0	0	-
202	SA tracking	SA tracking	0	0	-
203	SA tracking	SA tracking	0	0	-
204	SA tracking	SA tracking	0	0	-
205	SA tracking	SA tracking	0	0	-
206	SA tracking	SA tracking	0	0	-
207	SA tracking	SA tracking	0	0	-
208	SA tracking	SA tracking	0	0	-
209	SA tracking	SA tracking	0	0	-
210	SA tracking	SA tracking	0	0	-
211	SA tracking	SA tracking	0	0	-
212	SA tracking	SA tracking	0	0	-
213	SA tracking	SA tracking	0	0	-
214	SA tracking	SA tracking	0	0	-
215	SA tracking	SA tracking	0	0	-
216	SA tracking	SA tracking	0	0	-
217	SA tracking	SA tracking	0	0	-

Component Data

PV Array(s)

Total PV footprint area: 361.7 acres

Name: 201
Footprint area: 18.9 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691856	-85.951880	780.56	12.00	792.56
2	37.692141	-85.951660	780.78	12.00	792.78
3	37.691894	-85.951435	774.59	12.00	786.59
4	37.691572	-85.951370	771.61	12.00	783.61
5	37.691478	-85.950973	775.10	12.00	787.10
6	37.690307	-85.950968	769.31	12.00	781.32
7	37.690443	-85.950142	760.92	12.00	772.92
8	37.689615	-85.949493	756.54	12.00	768.54
9	37.688715	-85.949504	752.74	12.00	764.74
10	37.687998	-85.953752	748.09	12.00	760.09
11	37.688329	-85.953736	747.78	12.00	759.78
12	37.688520	-85.953758	749.70	12.00	761.70
13	37.688706	-85.952760	754.82	12.00	766.82
14	37.689806	-85.952830	757.08	12.00	769.08
15	37.689861	-85.952288	757.01	12.00	769.01

Name: 202
Footprint area: 24.7 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685639	-85.964626	745.52	12.00	757.52
2	37.685656	-85.961418	733.85	12.00	745.85
3	37.685028	-85.961054	724.63	12.00	736.63
4	37.683219	-85.961086	728.49	12.00	740.49
5	37.683185	-85.965839	738.48	12.00	750.48
6	37.684561	-85.965796	753.26	12.00	765.26
7	37.684586	-85.964605	743.11	12.00	755.11

Name: 203

Footprint area: 24.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.683194	-85.965131	735.84	12.00	747.84
2	37.682073	-85.965195	734.70	12.00	746.70
3	37.682115	-85.968735	739.23	12.00	751.23
4	37.683049	-85.968671	735.43	12.00	747.43
5	37.683032	-85.970656	732.65	12.00	744.65
6	37.684026	-85.970731	743.36	12.00	755.36
7	37.684493	-85.968456	749.90	12.00	761.90
8	37.684569	-85.965806	753.48	12.00	765.48
9	37.683194	-85.965849	738.49	12.00	750.49

Name: 204

Footprint area: 23.2 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.682056	-85.965206	734.97	12.00	746.97
2	37.682030	-85.963929	733.95	12.00	745.95
3	37.682311	-85.963918	732.86	12.00	744.86
4	37.682251	-85.961075	732.82	12.00	744.82
5	37.681207	-85.960753	725.45	12.00	737.45
6	37.680443	-85.960431	727.47	12.00	739.47
7	37.680489	-85.963457	748.89	12.00	760.89
8	37.680536	-85.966590	730.59	12.00	742.59
9	37.682098	-85.966493	736.34	12.00	748.34

Name: 205

Footprint area: 17.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.682098	-85.966493	736.34	12.00	748.34
2	37.680527	-85.966633	730.39	12.00	742.39
3	37.680612	-85.971310	724.31	12.00	736.31
4	37.681241	-85.971203	731.26	12.00	743.26
5	37.681793	-85.970935	732.59	12.00	744.59
6	37.682158	-85.970935	731.54	12.00	743.54



Name: 206

Footprint area: 23.8 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

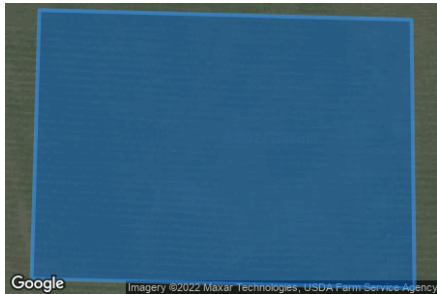
Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.680459	-85.961923	739.87	12.00	751.87
2	37.678116	-85.961890	731.70	12.00	743.71
3	37.678201	-85.966139	725.43	12.00	737.43
4	37.680544	-85.966053	735.70	12.00	747.70



Name: 207

Footprint area: 24.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.680536	-85.966042	735.80	12.00	747.80
2	37.680604	-85.971332	724.30	12.00	736.30
3	37.679551	-85.971289	717.72	12.00	729.72
4	37.678617	-85.971171	717.89	12.00	729.89
5	37.678583	-85.966139	728.46	12.00	740.46

Name: 208

Footprint area: 23.0 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.678226	-85.966096	725.95	12.00	737.95
2	37.676307	-85.966182	718.45	12.00	730.45
3	37.676248	-85.969744	715.26	12.00	727.26
4	37.677759	-85.969701	718.46	12.00	730.46
5	37.677785	-85.971021	717.87	12.00	729.87
6	37.678625	-85.971182	717.87	12.00	729.87
7	37.678591	-85.966128	728.61	12.00	740.61

Name: 209

Footprint area: 20.5 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688681	-85.949729	752.55	12.00	764.56
2	37.686652	-85.949638	746.03	12.00	758.03
3	37.686393	-85.950555	743.80	12.00	755.81
4	37.684393	-85.950571	736.81	12.00	748.81
5	37.683969	-85.952170	734.18	12.00	746.18
6	37.686261	-85.952159	740.02	12.00	752.02
7	37.688261	-85.952183	761.46	12.00	773.47

Name: 210

Footprint area: 23.5 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

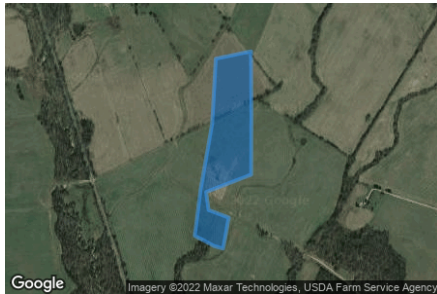
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688263	-85.952180	761.46	12.00	773.47
2	37.686024	-85.952164	738.72	12.00	750.72
3	37.683961	-85.952175	734.19	12.00	746.19
4	37.683354	-85.954176	729.15	12.00	741.15
5	37.682725	-85.954065	726.66	12.00	738.66
6	37.682462	-85.953170	726.24	12.00	738.24
7	37.681384	-85.953420	726.88	12.00	738.88
8	37.681471	-85.953819	726.62	12.00	738.62
9	37.681830	-85.954680	726.62	12.00	738.62
10	37.683456	-85.954417	731.20	12.00	743.20
11	37.685742	-85.953905	739.04	12.00	751.04
12	37.688007	-85.953747	748.00	12.00	760.00

Name: 211

Footprint area: 23.2 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.687336	-85.953806	749.09	12.00	761.10
2	37.686937	-85.955158	742.30	12.00	754.30
3	37.684933	-85.955115	733.93	12.00	745.93
4	37.684899	-85.955447	733.85	12.00	745.85
5	37.683770	-85.956456	728.06	12.00	740.06
6	37.683286	-85.957175	725.12	12.00	737.12
7	37.682802	-85.958097	722.93	12.00	734.93
8	37.682140	-85.958119	722.55	12.00	734.55
9	37.682182	-85.954643	726.17	12.00	738.17
10	37.684959	-85.954096	734.03	12.00	746.03
11	37.685757	-85.953924	739.58	12.00	751.58

Name: 212

Footprint area: 16.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

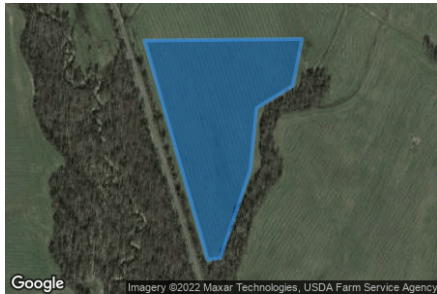
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.682140	-85.958130	722.45	12.00	734.45
2	37.678310	-85.956724	719.66	12.00	731.66
3	37.678344	-85.956445	719.14	12.00	731.15
4	37.679872	-85.955780	723.84	12.00	735.84
5	37.680959	-85.955640	726.72	12.00	738.72
6	37.681350	-85.954836	726.62	12.00	738.62
7	37.682165	-85.954632	726.15	12.00	738.15

Name: 213

Footprint area: 22.5 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

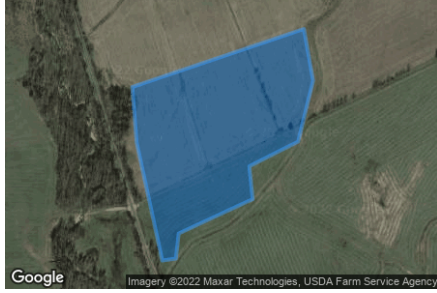
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685866	-85.959215	729.59	12.00	741.59
2	37.686885	-85.955407	742.06	12.00	754.06
3	37.685976	-85.955203	738.54	12.00	750.54
4	37.684906	-85.955535	734.05	12.00	746.05
5	37.684473	-85.956619	732.74	12.00	744.74
6	37.683896	-85.956544	727.52	12.00	739.52
7	37.683293	-85.958185	723.98	12.00	735.99
8	37.682852	-85.958250	722.20	12.00	734.20
9	37.682818	-85.958550	723.57	12.00	735.57
10	37.684889	-85.959119	728.79	12.00	740.79

Name: 214

Footprint area: 24.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

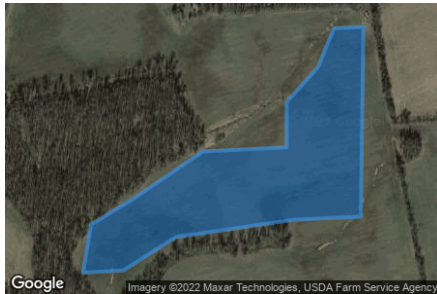
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688871	-85.969805	751.94	12.00	763.94
2	37.688897	-85.969150	757.30	12.00	769.30
3	37.685586	-85.969207	749.14	12.00	761.14
4	37.685535	-85.970668	743.55	12.00	755.55
5	37.685229	-85.973313	736.34	12.00	748.34
6	37.684647	-85.974477	731.42	12.00	743.42
7	37.684609	-85.975373	730.68	12.00	742.69
8	37.685445	-85.975196	732.03	12.00	744.03
9	37.685891	-85.974268	734.96	12.00	746.96
10	37.686723	-85.972712	741.00	12.00	753.00
11	37.686795	-85.970851	754.00	12.00	766.00
12	37.687581	-85.970856	747.67	12.00	759.67
13	37.688196	-85.970153	751.87	12.00	763.88

Name: 215

Footprint area: 18.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.686709	-85.969197	759.47	12.00	771.47
2	37.686726	-85.968296	756.65	12.00	768.65
3	37.686488	-85.968296	757.34	12.00	769.35
4	37.686581	-85.964412	752.77	12.00	764.77
5	37.687108	-85.964412	749.14	12.00	761.14
6	37.687150	-85.962481	732.69	12.00	744.69
7	37.686590	-85.962137	731.23	12.00	743.23
8	37.685953	-85.962094	731.18	12.00	743.18
9	37.685656	-85.962084	733.58	12.00	745.58
10	37.685613	-85.969208	749.25	12.00	761.25

Name: 216

Footprint area: 23.5 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685639	-85.964594	744.85	12.00	756.85
2	37.684595	-85.964605	743.11	12.00	755.11
3	37.684561	-85.966268	753.56	12.00	765.56
4	37.684493	-85.968446	749.92	12.00	761.92
5	37.684017	-85.970763	743.19	12.00	755.19
6	37.683627	-85.973520	732.98	12.00	744.98
7	37.684773	-85.973392	736.89	12.00	748.89
8	37.684832	-85.971128	745.46	12.00	757.46
9	37.684832	-85.970774	743.80	12.00	755.81
10	37.685503	-85.970795	743.16	12.00	755.16
11	37.685529	-85.970409	743.84	12.00	755.84
12	37.685579	-85.969208	749.12	12.00	761.12

Name: 217

Footprint area: 8.8 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

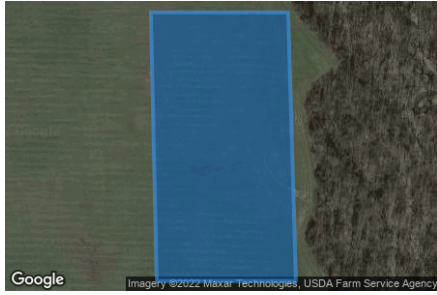
Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

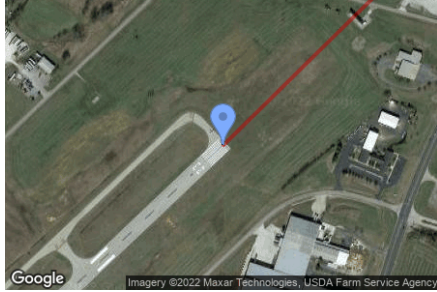
Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.680464	-85.961962	740.69	12.00	752.69
2	37.680464	-85.960438	727.55	12.00	739.55
3	37.678104	-85.960353	726.36	12.00	738.36
4	37.678104	-85.961897	731.43	12.00	743.43



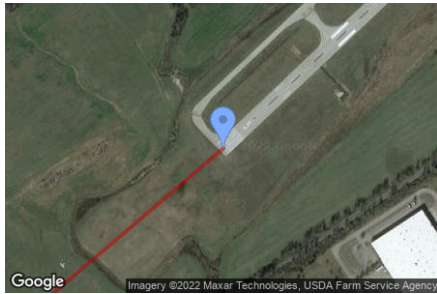
2-Mile Flight Path Receptor(s)

Name: Elizabethtown Regional Airport Runway 23
Description:
Threshold height : 50 ft
Direction: 225.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



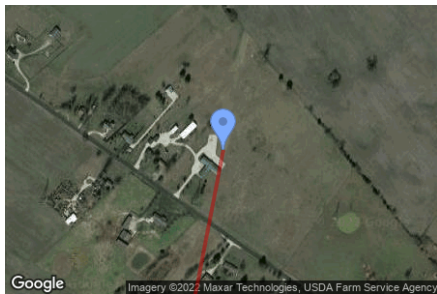
Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.691634	-85.917563	769.91	50.00	819.91
2-mile point	37.711924	-85.891503	745.53	627.83	1373.37

Name: Elizabethtown Regional Airport Runway 5
Description:
Threshold height : 50 ft
Direction: 49.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.680407	-85.932519	751.25	50.00	801.26
2-mile point	37.661653	-85.960355	690.06	664.65	1354.71

Name: Hornback Airstrip Northbound
Description:
Threshold height : 50 ft
Direction: 11.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.620818	-85.791738	782.24	50.00	832.24
2-mile point	37.592433	-85.798686	723.03	662.67	1385.70

Name: Hornback Airstrip Southbound
Description:
Threshold height : 50 ft
Direction: 194.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.625076	-85.790590	733.51	50.00	783.52
2-mile point	37.653055	-85.781377	827.86	509.11	1336.97

Name: Oz Airport NE Bound
Description:
Threshold height : 50 ft
Direction: 313.3 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.652149	-85.809356	834.93	50.00	884.94
2-mile point	37.632309	-85.782761	773.96	664.43	1438.39

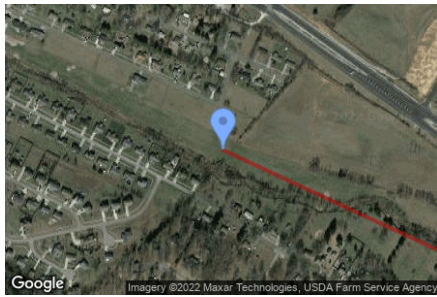
Name: Oz Airport SW Bound
Description:
Threshold height : 50 ft
Direction: 140.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.658203	-85.816375	817.66	50.00	867.66
2-mile point	37.680468	-85.839701	791.67	629.45	1421.12

Name: Vine Grove Airport NW Bound
Description:
Threshold height : 50 ft
Direction: 294.9 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.814237	-85.961318	684.17	50.00	734.17
2-mile point	37.802059	-85.928086	754.23	533.39	1287.62



Name: Vine Grove Airport SE Bound
Description:
Threshold height : 50 ft
Direction: 117.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.816483	-85.967294	676.33	50.00	726.33
2-mile point	37.829855	-85.999781	668.90	610.89	1279.79



Route Receptor(s)

Name: Braeburn Court
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.699026	-85.941884	807.82	5.00	812.82
2	37.697599	-85.941240	813.34	5.00	818.34
3	37.696784	-85.941004	811.34	5.00	816.34
4	37.696326	-85.941176	799.40	5.00	804.40
5	37.695936	-85.941584	801.41	5.00	806.41
6	37.695868	-85.942292	793.74	5.00	798.74
7	37.695851	-85.942807	784.31	5.00	789.31

Name: Cecilia Road
Route type: Two-way
View angle: 50.0 deg



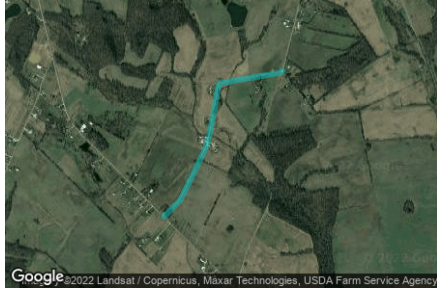
Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.698822	-85.939180	833.50	5.00	838.50
2	37.697769	-85.938065	826.33	5.00	831.33
3	37.697345	-85.937678	823.61	5.00	828.61
4	37.693660	-85.936241	826.90	5.00	831.90
5	37.693304	-85.936541	821.85	5.00	826.85
6	37.693066	-85.937163	823.24	5.00	828.24
7	37.692862	-85.937593	823.55	5.00	828.55
8	37.691504	-85.938773	810.75	5.00	815.76
9	37.690146	-85.939867	791.86	5.00	796.86
10	37.688227	-85.940876	769.19	5.00	774.19
11	37.686002	-85.941112	756.41	5.00	761.41
12	37.685731	-85.940983	757.85	5.00	762.86
13	37.683285	-85.937893	756.79	5.00	761.79

Name: College Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.692181	-85.975721	751.30	5.00	756.30
2	37.690789	-85.974358	745.48	5.00	750.48
3	37.689897	-85.973478	758.52	5.00	763.52

Name: Crisp Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692215	-85.975785	752.48	5.00	757.48
2	37.692096	-85.976032	750.36	5.00	755.36
3	37.691493	-85.980377	736.80	5.00	741.80
4	37.691340	-85.981364	743.06	5.00	748.06
5	37.690950	-85.981536	736.66	5.00	741.66
6	37.689744	-85.981782	733.76	5.00	738.77
7	37.687961	-85.982201	728.71	5.00	733.71
8	37.686968	-85.982501	737.14	5.00	742.14
9	37.686195	-85.982962	741.01	5.00	746.01
10	37.685151	-85.983585	743.98	5.00	748.98
11	37.683843	-85.984400	745.33	5.00	750.33
12	37.683088	-85.984883	748.31	5.00	753.31
13	37.681958	-85.986299	742.25	5.00	747.25

Name: Damson Trail
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.697413	-85.941155	814.27	5.00	819.27
2	37.697650	-85.940125	808.65	5.00	813.65
3	37.697633	-85.939309	816.06	5.00	821.06
4	37.697345	-85.938730	812.60	5.00	817.60
5	37.696105	-85.938429	810.76	5.00	815.76

Name: Goodman Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.696737	-85.955764	758.25	5.00	763.25
2	37.695846	-85.955570	751.20	5.00	756.20
3	37.695252	-85.955528	761.24	5.00	766.24
4	37.694734	-85.955345	770.62	5.00	775.62
5	37.693876	-85.954905	797.43	5.00	802.43
6	37.693562	-85.954744	804.71	5.00	809.71
7	37.693257	-85.954401	807.53	5.00	812.53
8	37.693146	-85.954412	806.26	5.00	811.26
9	37.692679	-85.954884	803.16	5.00	808.16
10	37.692136	-85.955485	802.41	5.00	807.41
11	37.691644	-85.955946	798.39	5.00	803.39
12	37.691406	-85.956171	795.91	5.00	800.91
13	37.690710	-85.956740	785.04	5.00	790.04

Name: Highway 253
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.689580	-85.995085	758.71	5.00	763.71
2	37.688391	-85.994399	752.68	5.00	757.68
3	37.687407	-85.993175	756.58	5.00	761.58
4	37.685369	-85.990579	746.93	5.00	751.93
5	37.683025	-85.987682	740.04	5.00	745.04
6	37.680648	-85.984700	742.14	5.00	747.14
7	37.677897	-85.981224	746.01	5.00	751.01
8	37.675179	-85.977812	743.56	5.00	748.56
9	37.671715	-85.973392	728.94	5.00	733.94
10	37.668963	-85.969980	738.88	5.00	743.88
11	37.665634	-85.965946	714.47	5.00	719.47

Name: Railroad
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.694748	-85.963783	740.07	15.00	755.07
2	37.694481	-85.963620	741.40	15.00	756.40
3	37.693488	-85.963126	737.80	15.00	752.80
4	37.692549	-85.962694	733.98	15.00	748.98
5	37.691212	-85.962145	729.74	15.00	744.75
6	37.690285	-85.961774	728.99	15.00	743.99
7	37.689311	-85.961385	727.80	15.00	742.80
8	37.688358	-85.961015	729.65	15.00	744.65
9	37.687568	-85.960710	730.82	15.00	745.82
10	37.686708	-85.960380	727.11	15.00	742.11
11	37.686243	-85.960192	728.35	15.00	743.35
12	37.685254	-85.959806	727.87	15.00	742.87
13	37.684469	-85.959492	728.07	15.00	743.07
14	37.683412	-85.959081	724.75	15.00	739.75
15	37.682686	-85.958765	723.96	15.00	738.96
16	37.682338	-85.958591	722.47	15.00	737.47
17	37.681737	-85.958379	722.61	15.00	737.61
18	37.681096	-85.958129	723.28	15.00	738.28
19	37.680448	-85.957874	725.07	15.00	740.07
20	37.679128	-85.957357	725.31	15.00	740.31
21	37.678474	-85.957105	722.80	15.00	737.80
22	37.677901	-85.956869	721.49	15.00	736.49
23	37.677379	-85.956673	725.44	15.00	740.44
24	37.676810	-85.956453	723.69	15.00	738.69
25	37.676449	-85.956308	721.59	15.00	736.59

Name: St John Road
Route type: Two-way
View angle: 50.0 deg



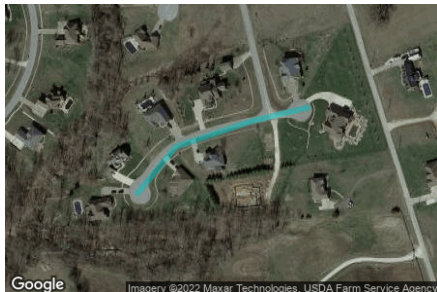
Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.699873	-85.980391	777.69	5.00	782.69
2	37.699754	-85.979082	780.22	5.00	785.22
3	37.699635	-85.977483	791.15	5.00	796.15
4	37.699423	-85.975949	784.38	5.00	789.38
5	37.699152	-85.974662	779.96	5.00	784.96
6	37.698821	-85.973138	792.31	5.00	797.31
7	37.698651	-85.971196	783.08	5.00	788.08
8	37.698447	-85.968557	751.27	5.00	756.27
9	37.698226	-85.965563	760.76	5.00	765.76
10	37.698141	-85.964544	770.49	5.00	775.49
11	37.696775	-85.960542	767.42	5.00	772.42
12	37.696325	-85.959169	763.01	5.00	768.01
13	37.696265	-85.958590	753.28	5.00	758.29
14	37.696877	-85.955060	764.73	5.00	769.73
15	37.697590	-85.951509	776.39	5.00	781.39
16	37.698269	-85.949052	801.12	5.00	806.12
17	37.698710	-85.947206	813.26	5.00	818.26
18	37.699067	-85.943526	814.43	5.00	819.43
19	37.699058	-85.942336	806.27	5.00	811.27
20	37.699067	-85.941531	812.96	5.00	817.96
21	37.698973	-85.940376	823.41	5.00	828.41
22	37.698820	-85.939143	833.78	5.00	838.78

Name: Thomas Cecilia Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.681235	-85.949896	723.68	5.00	728.68
2	37.680870	-85.949081	736.61	5.00	741.61
3	37.680513	-85.948394	753.32	5.00	758.32
4	37.679834	-85.947461	763.53	5.00	768.53
5	37.679078	-85.946485	754.27	5.00	759.27
6	37.678671	-85.945927	761.94	5.00	766.94
7	37.678220	-85.945777	760.11	5.00	765.11

Name: West Anjou Court
Route type: Two-way
View angle: 50.0 deg

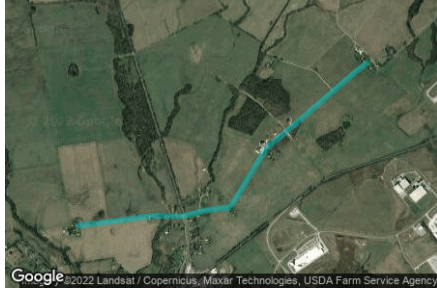


Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.695443	-85.939889	803.53	5.00	808.53
2	37.695851	-85.939459	807.93	5.00	812.93
3	37.696071	-85.938623	810.97	5.00	815.97
4	37.696190	-85.938000	809.26	5.00	814.26

Name: Wimp Lane Hayden School Road

Route type Two-way

View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.671682	-85.964056	717.71	5.00	722.71
2	37.671861	-85.962243	714.20	5.00	719.20
3	37.672073	-85.960269	715.85	5.00	720.85
4	37.672336	-85.957726	707.28	5.00	712.28
5	37.672379	-85.956932	706.80	5.00	711.80
6	37.672345	-85.956170	704.86	5.00	709.86
7	37.672336	-85.954861	710.27	5.00	715.27
8	37.672557	-85.953821	711.35	5.00	716.35
9	37.672735	-85.952887	710.86	5.00	715.86
10	37.672897	-85.951342	712.58	5.00	717.58
11	37.672948	-85.950742	714.57	5.00	719.58
12	37.673423	-85.950259	723.65	5.00	728.65
13	37.675258	-85.948875	729.21	5.00	734.21
14	37.676438	-85.947974	736.15	5.00	741.15
15	37.677236	-85.947308	748.84	5.00	753.84
16	37.677975	-85.946160	756.70	5.00	761.70
17	37.679427	-85.944015	761.60	5.00	766.60
18	37.680785	-85.942041	752.08	5.00	757.08
19	37.682348	-85.939755	771.84	5.00	776.84
20	37.683121	-85.938532	765.38	5.00	770.38

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	ft	ft	ft
OP 1	37.709227	-85.876066	769.34	500.02	1269.37
OP 2	37.689946	-85.973240	760.29	25.00	785.29
OP 3	37.691262	-85.975128	749.16	25.00	774.16
OP 4	37.692714	-85.975230	756.71	25.00	781.71
OP 5	37.691370	-85.977886	750.37	25.00	775.38
OP 6	37.690695	-85.982081	745.86	25.00	770.87
OP 7	37.689965	-85.981523	735.11	25.00	760.11
OP 8	37.688634	-85.982341	735.08	25.00	760.08
OP 9	37.682247	-85.986246	745.18	25.00	770.19
OP 10	37.682171	-85.987662	741.47	25.00	766.47
OP 11	37.674928	-85.975855	741.99	25.00	766.99
OP 12	37.675026	-85.975340	742.32	25.00	767.32
OP 13	37.692557	-85.963575	747.50	25.00	772.51
OP 14	37.691267	-85.963023	743.17	25.00	768.17
OP 15	37.690148	-85.957133	786.28	25.00	811.28
OP 16	37.693479	-85.953962	810.30	25.00	835.31
OP 17	37.693196	-85.954957	809.84	25.00	834.84
OP 18	37.694049	-85.954595	793.56	25.00	818.56
OP 19	37.694932	-85.955805	766.92	25.00	791.92
OP 20	37.697613	-85.955907	779.11	25.00	804.11
OP 21	37.697373	-85.954770	779.43	25.00	804.44
OP 22	37.697498	-85.953002	767.48	25.00	792.49
OP 23	37.697159	-85.951894	789.36	25.00	814.36
OP 24	37.696800	-85.952852	770.74	25.00	795.74
OP 25	37.691922	-85.939064	812.85	25.00	837.85
OP 26	37.691056	-85.939643	796.95	25.00	821.95
OP 27	37.688624	-85.940308	785.19	25.00	810.19
OP 28	37.684022	-85.939257	769.41	25.00	794.41
OP 29	37.682807	-85.938125	767.53	25.00	792.53
OP 30	37.683538	-85.939187	774.46	25.00	799.46
OP 31	37.679067	-85.945418	776.12	25.00	801.13
OP 32	37.676664	-85.947114	751.32	25.00	776.33
OP 33	37.673934	-85.952816	720.45	25.00	745.45
OP 34	37.682887	-85.946969	741.71	25.00	766.71
OP 35	37.671315	-85.964390	723.28	25.00	748.29
OP 36	37.671845	-85.964417	721.81	25.00	746.81
OP 37	37.672571	-85.974009	743.75	25.00	768.75
OP 38	37.671043	-85.971723	734.52	25.00	759.53
OP 39	37.670525	-85.968998	722.52	25.00	747.52
OP 40	37.670194	-85.968730	724.53	25.00	749.53

Summary of PV Glare Analysis

PV configuration and total predicted glare

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced	Data File
	deg	deg	min	min	kWh	
201	SA tracking	SA tracking	0	0	-	
202	SA tracking	SA tracking	0	0	-	
203	SA tracking	SA tracking	0	0	-	
204	SA tracking	SA tracking	0	0	-	
205	SA tracking	SA tracking	0	0	-	
206	SA tracking	SA tracking	0	0	-	
207	SA tracking	SA tracking	0	0	-	
208	SA tracking	SA tracking	0	0	-	
209	SA tracking	SA tracking	0	0	-	
210	SA tracking	SA tracking	0	0	-	
211	SA tracking	SA tracking	0	0	-	
212	SA tracking	SA tracking	0	0	-	
213	SA tracking	SA tracking	0	0	-	
214	SA tracking	SA tracking	0	0	-	
215	SA tracking	SA tracking	0	0	-	
216	SA tracking	SA tracking	0	0	-	
217	SA tracking	SA tracking	0	0	-	

PV & Receptor Analysis Results

Results for each PV array and receptor

201 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

202 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

203 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

204 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

205 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

206 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

207 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

208 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

209 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

210 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

211 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

212 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

213 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

214 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

215 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

216 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

217 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not account for physical obstructions between reflectors and receptors. This includes buildings, tree cover and geographic obstructions
- Detailed system geometry is not rigorously simulated.
- The glare hazard determination relies on several approximations including observer eye characteristics, angle of view, and typical blink response time. Actual values and results may vary.
- The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.
- Several V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results for large PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare.
- The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)
- Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.
- Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
- Glare vector plots are simplified representations of analysis data. Actual glare emanations and results may differ.
- Refer to the **Help page** for detailed assumptions and limitations not listed here.

Telesto Solar

Block 2 12 ft pan 9 ft veh gp 2 houses

Created March 21, 2022
Updated March 22, 2022
Time-step 1 minute
Timezone offset UTC-5
Site ID 66453.11731

Project type Advanced
Project status: active
Category 100 to 500 kW

Misc. Analysis Settings

DNI: varies (1,000.0 W/m² peak)
Ocular transmission coefficient: 0.5
Pupil diameter: 0.002 m
Eye focal length: 0.017 m
Sun subtended angle: 9.3 mrad

Analysis Methodologies:

- Observation point: **Version 2**
- 2-Mile Flight Path: **Version 2**
- Route: **Version 2**

Summary of Results No glare predicted!

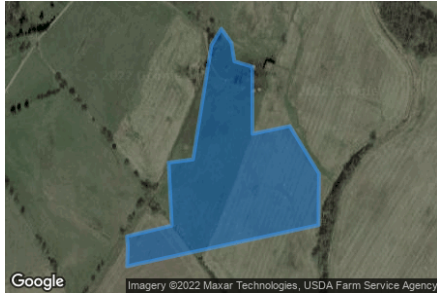
PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced
	deg	deg	min	min	kWh
201	SA tracking	SA tracking	0	0	-
202	SA tracking	SA tracking	0	0	-
203	SA tracking	SA tracking	0	0	-
204	SA tracking	SA tracking	0	0	-
205	SA tracking	SA tracking	0	0	-
206	SA tracking	SA tracking	0	0	-
207	SA tracking	SA tracking	0	0	-
208	SA tracking	SA tracking	0	0	-
209	SA tracking	SA tracking	0	0	-
210	SA tracking	SA tracking	0	0	-
211	SA tracking	SA tracking	0	0	-
212	SA tracking	SA tracking	0	0	-
213	SA tracking	SA tracking	0	0	-
214	SA tracking	SA tracking	0	0	-
215	SA tracking	SA tracking	0	0	-
216	SA tracking	SA tracking	0	0	-
217	SA tracking	SA tracking	0	0	-

Component Data

PV Array(s)

Total PV footprint area: 362.9 acres

Name: 201
Footprint area: 18.9 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.691856	-85.951880	780.56	12.00	792.56
2	37.692141	-85.951660	780.78	12.00	792.78
3	37.691894	-85.951435	774.59	12.00	786.59
4	37.691572	-85.951370	771.61	12.00	783.61
5	37.691478	-85.950973	775.10	12.00	787.10
6	37.690307	-85.950968	769.31	12.00	781.32
7	37.690443	-85.950142	760.92	12.00	772.92
8	37.689615	-85.949493	756.54	12.00	768.54
9	37.688715	-85.949504	752.74	12.00	764.74
10	37.687998	-85.953752	748.09	12.00	760.09
11	37.688329	-85.953736	747.78	12.00	759.78
12	37.688520	-85.953758	749.70	12.00	761.70
13	37.688706	-85.952760	754.82	12.00	766.82
14	37.689806	-85.952830	757.08	12.00	769.08
15	37.689861	-85.952288	757.01	12.00	769.01

Name: 202
Footprint area: 24.6 acres
Axis tracking: Single-axis rotation
Backtracking: Shade-slope
Tracking axis orientation: 180.0 deg
Maximum tracking angle: 60.0 deg
Resting angle: 60.0 deg
Ground Coverage Ratio: 0.5
Rated power: -
Panel material: Smooth glass with AR coating
Vary reflectivity with sun position? Yes
Correlate slope error with surface type? Yes
Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685639	-85.964626	745.52	12.00	757.52
2	37.685656	-85.961418	733.85	12.00	745.85
3	37.685028	-85.961054	724.63	12.00	736.63
4	37.683219	-85.961086	728.49	12.00	740.49
5	37.683185	-85.965839	738.48	12.00	750.48
6	37.684561	-85.965796	753.26	12.00	765.26
7	37.684565	-85.964573	742.58	12.00	754.58

Name: 203

Footprint area: 24.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.683194	-85.965131	735.84	12.00	747.84
2	37.682073	-85.965195	734.70	12.00	746.70
3	37.682115	-85.968735	739.23	12.00	751.23
4	37.683049	-85.968671	735.43	12.00	747.43
5	37.683032	-85.970656	732.65	12.00	744.65
6	37.684026	-85.970731	743.36	12.00	755.36
7	37.684493	-85.968456	749.90	12.00	761.90
8	37.684569	-85.965806	753.48	12.00	765.48
9	37.683194	-85.965849	738.49	12.00	750.49

Name: 204

Footprint area: 23.2 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.682056	-85.965206	734.97	12.00	746.97
2	37.682030	-85.963929	733.95	12.00	745.95
3	37.682311	-85.963918	732.86	12.00	744.86
4	37.682251	-85.961075	732.82	12.00	744.82
5	37.681207	-85.960753	725.45	12.00	737.45
6	37.680443	-85.960431	727.47	12.00	739.47
7	37.680489	-85.963457	748.89	12.00	760.89
8	37.680536	-85.966590	730.59	12.00	742.59
9	37.682098	-85.966493	736.34	12.00	748.34

Name: 205

Footprint area: 17.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.682098	-85.966493	736.34	12.00	748.34
2	37.680527	-85.966633	730.39	12.00	742.39
3	37.680612	-85.971310	724.31	12.00	736.31
4	37.681241	-85.971203	731.26	12.00	743.26
5	37.681793	-85.970935	732.59	12.00	744.59
6	37.682158	-85.970935	731.54	12.00	743.54



Name: 206

Footprint area: 23.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

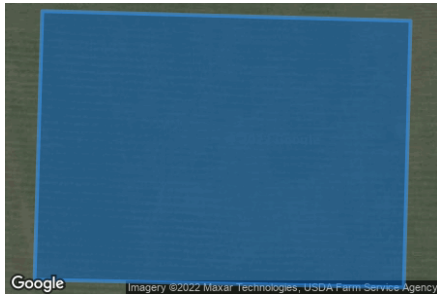
Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.680459	-85.961966	740.90	12.00	752.90
2	37.678133	-85.962041	731.39	12.00	743.39
3	37.678201	-85.966139	725.43	12.00	737.43
4	37.680544	-85.966053	735.70	12.00	747.70



Name: 207

Footprint area: 24.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.680536	-85.966042	735.80	12.00	747.80
2	37.680604	-85.971332	724.30	12.00	736.30
3	37.679551	-85.971289	717.72	12.00	729.72
4	37.678617	-85.971171	717.89	12.00	729.89
5	37.678583	-85.966139	728.46	12.00	740.46

Name: 208

Footprint area: 23.0 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.678226	-85.966096	725.95	12.00	737.95
2	37.676307	-85.966182	718.45	12.00	730.45
3	37.676248	-85.969744	715.26	12.00	727.26
4	37.677759	-85.969701	718.46	12.00	730.46
5	37.677785	-85.971021	717.87	12.00	729.87
6	37.678625	-85.971182	717.87	12.00	729.87
7	37.678591	-85.966128	728.61	12.00	740.61

Name: 209

Footprint area: 20.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688681	-85.949729	752.55	12.00	764.56
2	37.686652	-85.949638	746.03	12.00	758.03
3	37.686393	-85.950555	743.80	12.00	755.81
4	37.684393	-85.950571	736.81	12.00	748.81
5	37.683969	-85.952170	734.18	12.00	746.18
6	37.686261	-85.952159	740.02	12.00	752.02
7	37.688261	-85.952191	761.42	12.00	773.42

Name: 210

Footprint area: 23.4 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

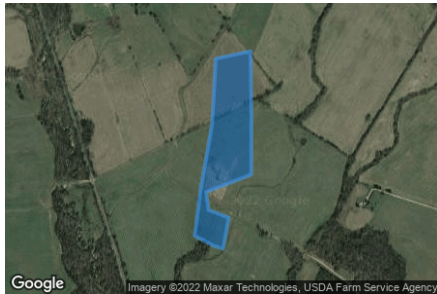
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688266	-85.952202	761.37	12.00	773.37
2	37.686024	-85.952164	738.72	12.00	750.72
3	37.683961	-85.952175	734.19	12.00	746.19
4	37.683354	-85.954176	729.15	12.00	741.15
5	37.682725	-85.954065	726.66	12.00	738.66
6	37.682462	-85.953170	726.24	12.00	738.24
7	37.681384	-85.953420	726.88	12.00	738.88
8	37.681471	-85.953819	726.62	12.00	738.62
9	37.681830	-85.954680	726.62	12.00	738.62
10	37.683456	-85.954417	731.20	12.00	743.20
11	37.685742	-85.953905	739.04	12.00	751.04
12	37.688007	-85.953747	748.00	12.00	760.00

Name: 211

Footprint area: 23.2 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

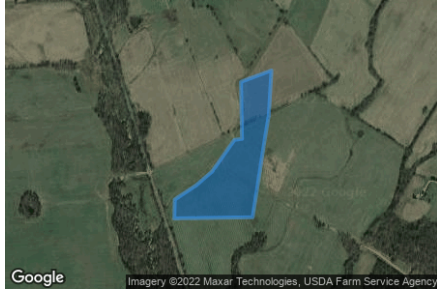
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.687336	-85.953806	749.09	12.00	761.10
2	37.686937	-85.955158	742.30	12.00	754.30
3	37.684933	-85.955115	733.93	12.00	745.93
4	37.684899	-85.955447	733.85	12.00	745.85
5	37.683770	-85.956456	728.06	12.00	740.06
6	37.683286	-85.957175	725.12	12.00	737.12
7	37.682802	-85.958097	722.93	12.00	734.93
8	37.682140	-85.958119	722.55	12.00	734.55
9	37.682182	-85.954643	726.17	12.00	738.17
10	37.684959	-85.954096	734.03	12.00	746.03
11	37.685757	-85.953924	739.58	12.00	751.58

Name: 212

Footprint area: 16.7 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

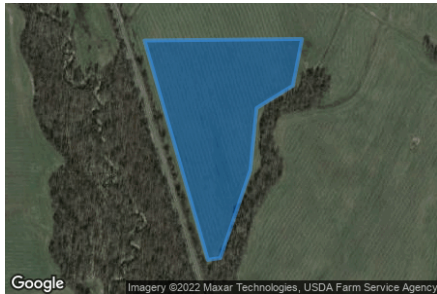
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.682140	-85.958130	722.45	12.00	734.45
2	37.678310	-85.956724	719.66	12.00	731.66
3	37.678344	-85.956445	719.14	12.00	731.15
4	37.679872	-85.955780	723.84	12.00	735.84
5	37.680959	-85.955640	726.72	12.00	738.72
6	37.681350	-85.954836	726.62	12.00	738.62
7	37.682165	-85.954632	726.15	12.00	738.15

Name: 213

Footprint area: 22.5 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

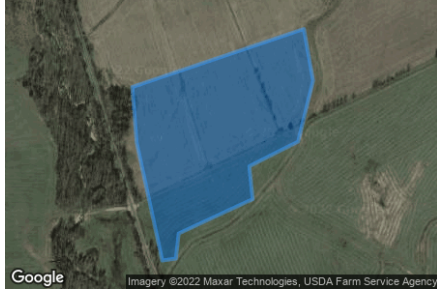
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685866	-85.959215	729.59	12.00	741.59
2	37.686885	-85.955407	742.06	12.00	754.06
3	37.685976	-85.955203	738.54	12.00	750.54
4	37.684906	-85.955535	734.05	12.00	746.05
5	37.684473	-85.956619	732.74	12.00	744.74
6	37.683896	-85.956544	727.52	12.00	739.52
7	37.683293	-85.958185	723.98	12.00	735.99
8	37.682852	-85.958250	722.20	12.00	734.20
9	37.682818	-85.958550	723.57	12.00	735.57
10	37.684889	-85.959119	728.79	12.00	740.79

Name: 214

Footprint area: 24.6 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

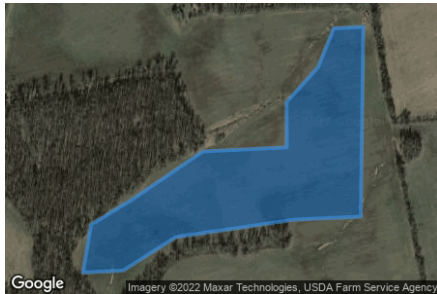
Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.688871	-85.969805	751.94	12.00	763.94
2	37.688897	-85.969150	757.30	12.00	769.30
3	37.685586	-85.969207	749.14	12.00	761.14
4	37.685535	-85.970668	743.55	12.00	755.55
5	37.685229	-85.973313	736.34	12.00	748.34
6	37.684647	-85.974477	731.42	12.00	743.42
7	37.684609	-85.975373	730.68	12.00	742.69
8	37.685445	-85.975196	732.03	12.00	744.03
9	37.685891	-85.974268	734.96	12.00	746.96
10	37.686723	-85.972712	741.00	12.00	753.00
11	37.686795	-85.970851	754.00	12.00	766.00
12	37.687581	-85.970856	747.67	12.00	759.67
13	37.688196	-85.970153	751.87	12.00	763.88

Name: 215

Footprint area: 18.9 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.686709	-85.969197	759.47	12.00	771.47
2	37.686726	-85.968296	756.65	12.00	768.65
3	37.686488	-85.968296	757.34	12.00	769.35
4	37.686581	-85.964412	752.77	12.00	764.77
5	37.687108	-85.964412	749.14	12.00	761.14
6	37.687150	-85.962481	732.69	12.00	744.69
7	37.686586	-85.962126	731.06	12.00	743.06
8	37.685953	-85.962094	731.18	12.00	743.18
9	37.685656	-85.962084	733.58	12.00	745.58
10	37.685588	-85.969208	749.14	12.00	761.14

Name: 216

Footprint area: 23.8 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass with AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 8.43 mrad



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.685639	-85.964594	744.85	12.00	756.85
2	37.684544	-85.964546	742.33	12.00	754.33
3	37.684561	-85.966268	753.56	12.00	765.56
4	37.684493	-85.968446	749.92	12.00	761.92
5	37.684017	-85.970763	743.19	12.00	755.19
6	37.683627	-85.973520	732.98	12.00	744.98
7	37.684775	-85.973400	736.77	12.00	748.77
8	37.684832	-85.971128	745.46	12.00	757.46
9	37.684832	-85.970774	743.80	12.00	755.81
10	37.685503	-85.970795	743.16	12.00	755.16
11	37.685529	-85.970409	743.84	12.00	755.84
12	37.685596	-85.969197	749.29	12.00	761.29

Name: 217

Footprint area: 10.1 acres

Axis tracking: Single-axis rotation

Backtracking: Shade-slope

Tracking axis orientation: 180.0 deg

Maximum tracking angle: 60.0 deg

Resting angle: 60.0 deg

Ground Coverage Ratio: 0.5

Rated power: -

Panel material: Smooth glass without AR coating

Vary reflectivity with sun position? Yes

Correlate slope error with surface type? Yes

Slope error: 6.55 mrad

Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.680481	-85.962026	741.81	12.00	753.81
2	37.680464	-85.960460	727.73	12.00	739.73
3	37.678053	-85.960116	725.53	12.00	737.54
4	37.678121	-85.962048	731.34	12.00	743.34



2-Mile Flight Path Receptor(s)

Name: Elizabethtown Regional Airport Runway 23
Description:
Threshold height : 50 ft
Direction: 225.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



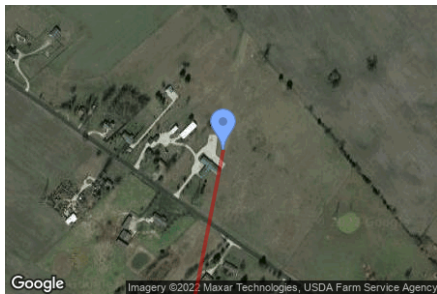
Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.691634	-85.917563	769.91	50.00	819.91
2-mile point	37.711924	-85.891503	745.53	627.83	1373.37

Name: Elizabethtown Regional Airport Runway 5
Description:
Threshold height : 50 ft
Direction: 49.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.680407	-85.932519	751.25	50.00	801.26
2-mile point	37.661653	-85.960355	690.06	664.65	1354.71

Name: Hornback Airstrip Northbound
Description:
Threshold height : 50 ft
Direction: 11.0 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.620818	-85.791738	782.24	50.00	832.24
2-mile point	37.592433	-85.798686	723.03	662.67	1385.70

Name: Hornback Airstrip Southbound
Description:
Threshold height : 50 ft
Direction: 194.6 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.625076	-85.790590	733.51	50.00	783.52
2-mile point	37.653055	-85.781377	827.86	509.11	1336.97

Name: Oz Airport NE Bound
Description:
Threshold height : 50 ft
Direction: 313.3 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.652149	-85.809356	834.93	50.00	884.94
2-mile point	37.632309	-85.782761	773.96	664.43	1438.39

Name: Oz Airport SW Bound
Description:
Threshold height : 50 ft
Direction: 140.4 deg
Glide slope: 3.0 deg
Pilot view restricted? Yes
Vertical view restriction: 30.0 deg
Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.658203	-85.816375	817.66	50.00	867.66
2-mile point	37.680468	-85.839701	791.67	629.45	1421.12

Name: Vine Grove Airport NW Bound

Description:

Threshold height : 50 ft

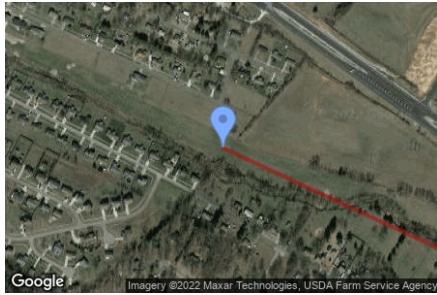
Direction: 294.9 deg

Glide slope: 3.0 deg

Pilot view restricted? Yes

Vertical view restriction: 30.0 deg

Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.814237	-85.961318	684.17	50.00	734.17
2-mile point	37.802059	-85.928086	754.23	533.39	1287.62

Name: Vine Grove Airport SE Bound

Description:

Threshold height : 50 ft

Direction: 117.6 deg

Glide slope: 3.0 deg

Pilot view restricted? Yes

Vertical view restriction: 30.0 deg

Azimuthal view restriction: 50.0 deg



Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	37.816483	-85.967294	676.33	50.00	726.33
2-mile point	37.829855	-85.999781	668.90	610.89	1279.79

Route Receptor(s)

Name: Braeburn Court
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.699026	-85.941884	807.82	9.00	816.82
2	37.697599	-85.941240	813.34	9.00	822.34
3	37.696784	-85.941004	811.34	9.00	820.34
4	37.696326	-85.941176	799.40	9.00	808.40
5	37.695936	-85.941584	801.41	9.00	810.41
6	37.695868	-85.942292	793.74	9.00	802.74
7	37.695851	-85.942807	784.31	9.00	793.31

Name: Cecilia Road
Route type: Two-way
View angle: 50.0 deg



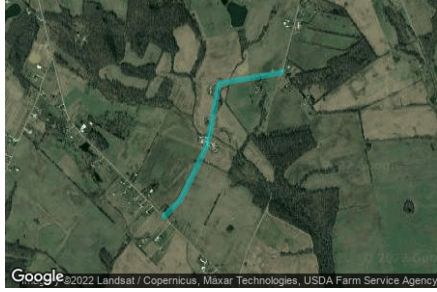
Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.698822	-85.939180	833.50	9.00	842.50
2	37.697769	-85.938065	826.33	9.00	835.33
3	37.697345	-85.937678	823.61	9.00	832.61
4	37.693660	-85.936241	826.90	9.00	835.90
5	37.693304	-85.936541	821.85	9.00	830.85
6	37.693066	-85.937163	823.24	9.00	832.24
7	37.692862	-85.937593	823.55	9.00	832.55
8	37.691504	-85.938773	810.75	9.00	819.76
9	37.690146	-85.939867	791.86	9.00	800.86
10	37.688227	-85.940876	769.19	9.00	778.19
11	37.686002	-85.941112	756.41	9.00	765.41
12	37.685731	-85.940983	757.85	9.00	766.86
13	37.683285	-85.937893	756.79	9.00	765.79

Name: College Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude deg	Longitude deg	Ground elevation ft	Height above ground ft	Total elevation ft
1	37.692181	-85.975721	751.30	9.00	760.31
2	37.690789	-85.974358	745.48	9.00	754.48
3	37.689897	-85.973478	758.52	9.00	767.52

Name: Crisp Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.692215	-85.975785	752.48	9.00	761.48
2	37.692096	-85.976032	750.36	9.00	759.36
3	37.691493	-85.980377	736.80	9.00	745.80
4	37.691340	-85.981364	743.06	9.00	752.06
5	37.690950	-85.981536	736.66	9.00	745.66
6	37.689744	-85.981782	733.76	9.00	742.77
7	37.687961	-85.982201	728.71	9.00	737.71
8	37.686968	-85.982501	737.14	9.00	746.14
9	37.686195	-85.982962	741.01	9.00	750.01
10	37.685151	-85.983585	743.98	9.00	752.98
11	37.683843	-85.984400	745.33	9.00	754.33
12	37.683088	-85.984883	748.31	9.00	757.31
13	37.681958	-85.986299	742.25	9.00	751.25

Name: Damson Trail
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.697413	-85.941155	814.27	9.00	823.27
2	37.697650	-85.940125	808.65	9.00	817.65
3	37.697633	-85.939309	816.06	9.00	825.06
4	37.697345	-85.938730	812.60	9.00	821.60
5	37.696105	-85.938429	810.76	9.00	819.76

Name: Goodman Lane
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.696737	-85.955764	758.25	9.00	767.25
2	37.695846	-85.955570	751.20	9.00	760.20
3	37.695252	-85.955528	761.24	9.00	770.24
4	37.694734	-85.955345	770.62	9.00	779.62
5	37.693876	-85.954905	797.43	9.00	806.43
6	37.693562	-85.954744	804.71	9.00	813.71
7	37.693257	-85.954401	807.53	9.00	816.54
8	37.693146	-85.954412	806.26	9.00	815.26
9	37.692679	-85.954884	803.16	9.00	812.16
10	37.692136	-85.955485	802.41	9.00	811.41
11	37.691661	-85.955925	798.64	9.00	807.64
12	37.691406	-85.956171	795.91	9.00	804.91
13	37.690710	-85.956740	785.04	9.00	794.04

Name: Highway 253
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.689580	-85.995085	758.71	9.00	767.71
2	37.688391	-85.994399	752.68	9.00	761.68
3	37.687407	-85.993175	756.58	9.00	765.58
4	37.685369	-85.990579	746.93	9.00	755.93
5	37.683025	-85.987682	740.04	9.00	749.04
6	37.680648	-85.984700	742.14	9.00	751.14
7	37.677897	-85.981224	746.01	9.00	755.01
8	37.675179	-85.977812	743.56	9.00	752.56
9	37.671715	-85.973392	728.94	9.00	737.94
10	37.668963	-85.969980	738.88	9.00	747.88
11	37.665634	-85.965946	714.47	9.00	723.47

Name: Railroad
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.694748	-85.963783	740.07	15.00	755.07
2	37.694481	-85.963620	741.40	15.00	756.40
3	37.693488	-85.963126	737.80	15.00	752.80
4	37.692549	-85.962694	733.98	15.00	748.98
5	37.691212	-85.962145	729.74	15.00	744.75
6	37.690285	-85.961774	728.99	15.00	743.99
7	37.689311	-85.961385	727.80	15.00	742.80
8	37.688358	-85.961015	729.65	15.00	744.65
9	37.687568	-85.960710	730.82	15.00	745.82
10	37.686708	-85.960380	727.11	15.00	742.11
11	37.686243	-85.960192	728.35	15.00	743.35
12	37.685254	-85.959806	727.87	15.00	742.87
13	37.684469	-85.959492	728.07	15.00	743.07
14	37.683412	-85.959081	724.75	15.00	739.75
15	37.682686	-85.958765	723.96	15.00	738.96
16	37.682338	-85.958591	722.47	15.00	737.47
17	37.681737	-85.958379	722.61	15.00	737.61
18	37.681096	-85.958129	723.28	15.00	738.28
19	37.680448	-85.957874	725.07	15.00	740.07
20	37.679128	-85.957357	725.31	15.00	740.31
21	37.678474	-85.957105	722.80	15.00	737.80
22	37.677901	-85.956869	721.49	15.00	736.49
23	37.677379	-85.956673	725.44	15.00	740.44
24	37.676810	-85.956453	723.69	15.00	738.69
25	37.676449	-85.956308	721.59	15.00	736.59

Name: St John Road
Route type: Two-way
View angle: 50.0 deg



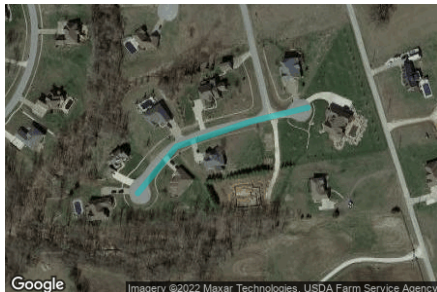
Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.699873	-85.980391	777.69	9.00	786.69
2	37.699754	-85.979082	780.22	9.00	789.22
3	37.699635	-85.977483	791.15	9.00	800.15
4	37.699423	-85.975949	784.38	9.00	793.38
5	37.699152	-85.974662	779.96	9.00	788.96
6	37.698821	-85.973138	792.31	9.00	801.31
7	37.698651	-85.971196	783.08	9.00	792.08
8	37.698447	-85.968557	751.27	9.00	760.27
9	37.698226	-85.965563	760.76	9.00	769.76
10	37.698141	-85.964544	770.49	9.00	779.49
11	37.696775	-85.960542	767.42	9.00	776.42
12	37.696325	-85.959169	763.01	9.00	772.01
13	37.696265	-85.958590	753.28	9.00	762.29
14	37.696877	-85.955060	764.73	9.00	773.73
15	37.697590	-85.951509	776.39	9.00	785.39
16	37.698269	-85.949052	801.12	9.00	810.12
17	37.698710	-85.947206	813.26	9.00	822.26
18	37.699067	-85.943526	814.43	9.00	823.43
19	37.699058	-85.942336	806.27	9.00	815.27
20	37.699067	-85.941531	812.96	9.00	821.96
21	37.698973	-85.940376	823.41	9.00	832.41
22	37.698820	-85.939143	833.78	9.00	842.78

Name: Thomas Cecilia Road
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.681235	-85.949896	723.68	9.00	732.68
2	37.680870	-85.949081	736.61	9.00	745.61
3	37.680513	-85.948394	753.32	9.00	762.32
4	37.679834	-85.947461	763.53	9.00	772.53
5	37.679078	-85.946485	754.27	9.00	763.27
6	37.678671	-85.945927	761.94	9.00	770.94
7	37.678220	-85.945777	760.11	9.00	769.11

Name: West Anjou Court
Route type: Two-way
View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.695443	-85.939889	803.53	9.00	812.53
2	37.695851	-85.939459	807.93	9.00	816.93
3	37.696071	-85.938623	810.97	9.00	819.97
4	37.696190	-85.938000	809.26	9.00	818.26

Name: Wimp Lane Hayden School Road

Route type Two-way

View angle: 50.0 deg



Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	37.671682	-85.964056	717.71	9.00	726.71
2	37.671861	-85.962243	714.20	9.00	723.20
3	37.672073	-85.960269	715.85	9.00	724.85
4	37.672336	-85.957726	707.28	9.00	716.28
5	37.672379	-85.956932	706.80	9.00	715.80
6	37.672345	-85.956170	704.86	9.00	713.87
7	37.672336	-85.954861	710.27	9.00	719.27
8	37.672557	-85.953821	711.35	9.00	720.35
9	37.672735	-85.952887	710.86	9.00	719.86
10	37.672897	-85.951342	712.58	9.00	721.58
11	37.672948	-85.950742	714.57	9.00	723.58
12	37.673423	-85.950259	723.65	9.00	732.65
13	37.675258	-85.948875	729.21	9.00	738.21
14	37.676438	-85.947974	736.15	9.00	745.15
15	37.677236	-85.947308	748.84	9.00	757.84
16	37.677975	-85.946160	756.70	9.00	765.70
17	37.679427	-85.944015	761.60	9.00	770.60
18	37.680785	-85.942041	752.08	9.00	761.08
19	37.682348	-85.939755	771.84	9.00	780.84
20	37.683121	-85.938532	765.38	9.00	774.38

Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	ft	ft	ft
OP 1	37.709227	-85.876066	769.34	500.02	1269.37
OP 2	37.669686	-85.968039	718.08	25.00	743.08
OP 3	37.668888	-85.967149	714.17	25.00	739.17
OP 4	37.667962	-85.966087	709.38	25.00	734.38
OP 5	37.666584	-85.962128	700.50	25.00	725.51
OP 6	37.666745	-85.961377	707.03	25.00	732.03
OP 7	37.666773	-85.960843	707.14	25.00	732.14
OP 8	37.666771	-85.959990	703.18	25.00	728.18
OP 9	37.667151	-85.956031	706.53	25.00	731.53
OP 10	37.667452	-85.955883	708.34	25.00	733.34
OP 11	37.667841	-85.955604	706.59	25.00	731.59
OP 12	37.668444	-85.955317	707.47	25.00	732.47
OP 13	37.666728	-85.956415	700.28	25.00	725.28
OP 14	37.666452	-85.957117	701.81	25.00	726.81
OP 15	37.666170	-85.959126	699.00	25.00	724.00
OP 16	37.692803	-85.939196	801.38	25.00	826.38
OP 17	37.693461	-85.937000	836.65	25.00	861.65
OP 18	37.694104	-85.939089	819.07	25.00	844.08
OP 19	37.695475	-85.937880	805.95	25.00	830.95
OP 20	37.696046	-85.937689	811.52	25.00	836.53
OP 21	37.695738	-85.940125	793.25	25.00	818.25
OP 22	37.695910	-85.941074	795.37	25.00	820.37
OP 23	37.696074	-85.943512	789.11	25.00	814.11
OP 24	37.695498	-85.942493	787.60	25.00	812.60
OP 25	37.695541	-85.941956	801.01	25.00	826.01
OP 26	37.696175	-85.942378	795.03	25.00	820.03
OP 27	37.696362	-85.941659	814.30	25.00	839.30
OP 28	37.697872	-85.941034	817.45	25.00	842.45
OP 29	37.698134	-85.941929	808.54	25.00	833.54
OP 30	37.697483	-85.963667	777.18	25.00	802.18
OP 31	37.697292	-85.962395	761.42	25.00	786.42
OP 32	37.695773	-85.960802	768.56	25.00	793.56
OP 33	37.695750	-85.958822	756.53	25.00	781.53
OP 34	37.696902	-85.961456	754.37	25.00	779.37
OP 35	37.698309	-85.963774	786.50	25.00	811.50
OP 36	37.698863	-85.964922	773.09	25.00	798.09
OP 37	37.698341	-85.967186	747.26	25.00	772.26
OP 38	37.696793	-85.952798	772.18	25.00	797.18
OP 39	37.697591	-85.955942	778.59	25.00	803.59
OP 40	37.697752	-85.957004	784.68	25.00	809.69

Summary of PV Glare Analysis

PV configuration and total predicted glare

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced	Data File
	deg	deg	min	min	kWh	
201	SA tracking	SA tracking	0	0	-	
202	SA tracking	SA tracking	0	0	-	
203	SA tracking	SA tracking	0	0	-	
204	SA tracking	SA tracking	0	0	-	
205	SA tracking	SA tracking	0	0	-	
206	SA tracking	SA tracking	0	0	-	
207	SA tracking	SA tracking	0	0	-	
208	SA tracking	SA tracking	0	0	-	
209	SA tracking	SA tracking	0	0	-	
210	SA tracking	SA tracking	0	0	-	
211	SA tracking	SA tracking	0	0	-	
212	SA tracking	SA tracking	0	0	-	
213	SA tracking	SA tracking	0	0	-	
214	SA tracking	SA tracking	0	0	-	
215	SA tracking	SA tracking	0	0	-	
216	SA tracking	SA tracking	0	0	-	
217	SA tracking	SA tracking	0	0	-	

PV & Receptor Analysis Results

Results for each PV array and receptor

201 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

202 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

203 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

204 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

205 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

206 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

207 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

208 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

209 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

210 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

211 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

212 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

213 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

214 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

215 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

216 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

217 no glare found

Component	Green glare (min)	Yellow glare (min)
FP: Elizabethtown Regional Airport Runway 23	0	0
FP: Elizabethtown Regional Airport Runway 5	0	0
FP: Hornback Airstrip Northbound	0	0
FP: Hornback Airstrip Southbound	0	0
FP: Oz Airport NE Bound	0	0
FP: Oz Airport SW Bound	0	0
FP: Vine Grove Airport NW Bound	0	0
FP: Vine Grove Airport SE Bound	0	0
OP: OP 1	0	0
OP: OP 2	0	0
OP: OP 3	0	0
OP: OP 4	0	0
OP: OP 5	0	0
OP: OP 6	0	0
OP: OP 7	0	0
OP: OP 8	0	0
OP: OP 9	0	0
OP: OP 10	0	0
OP: OP 11	0	0
OP: OP 12	0	0
OP: OP 13	0	0
OP: OP 14	0	0
OP: OP 15	0	0
OP: OP 16	0	0
OP: OP 17	0	0
OP: OP 18	0	0
OP: OP 19	0	0
OP: OP 20	0	0
OP: OP 21	0	0
OP: OP 22	0	0
OP: OP 23	0	0
OP: OP 24	0	0
OP: OP 25	0	0
OP: OP 26	0	0
OP: OP 27	0	0
OP: OP 28	0	0
OP: OP 29	0	0
OP: OP 30	0	0
OP: OP 31	0	0
OP: OP 32	0	0
OP: OP 33	0	0
OP: OP 34	0	0
OP: OP 35	0	0
OP: OP 36	0	0
OP: OP 37	0	0
OP: OP 38	0	0
OP: OP 39	0	0
OP: OP 40	0	0
Route: Braeburn Court	0	0
Route: Cecilia Road	0	0

Route: College Lane	0	0
Route: Crisp Road	0	0
Route: Damson Trail	0	0
Route: Goodman Lane	0	0
Route: Highway 253	0	0
Route: Railroad	0	0
Route: St John Road	0	0
Route: Thomas Cecilia Road	0	0
Route: West Anjou Court	0	0
Route: Wimp Lane Hayden School Road	0	0

No glare found

Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not account for physical obstructions between reflectors and receptors. This includes buildings, tree cover and geographic obstructions
- Detailed system geometry is not rigorously simulated.
- The glare hazard determination relies on several approximations including observer eye characteristics, angle of view, and typical blink response time. Actual values and results may vary.
- The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.
- Several V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results for large PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare.
- The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)
- Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.
- Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
- Glare vector plots are simplified representations of analysis data. Actual glare emanations and results may differ.
- Refer to the **Help page** for detailed assumptions and limitations not listed here.

Telesto Solar Project Sound Study



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Project Number: 193708892

May 27, 2022

May 27, 2022

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Figure 1 – Construction Sound Modeling Results

Figure 2 – Operational Sound Modelling Results

Appendices

Appendix A – Receptor Locations (UTM 16 Coordinates) and Operational Sound Model Results

TELESTO SOLAR PROJECT SOUND STUDY

May 27, 2022

Abbreviations

AC	alternating current
dB	decibel
dB(Z) or dBZ	decibel (unweighted)
dB(A) or dBA	decibel (A-weighted)
dB(C) or dbC	decibel (C-weighted)
DC	direct current
Hz	hertz
L_{eq}	equivalent continuous sound level
MW	megawatt
Project	Telesto Solar Project
PV	photovoltaic

REVISIONS HISTORY

Revision No.	Revision Purpose	Date	Revised By
0	Original	April 25, 2022	MML
1	Review	April 28, 2022	JJB
2	Review and Update	May 11, 2022	CAM
3	SR Update	May 27, 2022	MML
4	Finalize	May 27, 2022	JJB

TELESTO SOLAR PROJECT SOUND STUDY

May 27, 2022

1.0 Project Description

Telesto Energy Project, LLC (Telesto Solar), a subsidiary of Lightsource Renewable Energy Operations, LLC (Lightsource) is proposing to develop and construct the Telesto Solar Project, a 110-megawatt (MW) utility-scale solar powered electric generating facility located approximately three miles west of Elizabethtown, in Hardin County, Kentucky (the Project). The Project will include photovoltaic (PV) solar panels mounted on a single-axis tracking system to maximize solar energy capture and electric generation of the array. The Project will be sited within an approximately 1,733-acre area.

In addition to photovoltaic modules and single access trackers, the Project will include inverter stations, an electrical collection system, access roads, perimeter security fencing, a Project substation, and generation tie-in transmission line. Telesto Solar retained the services of Stantec Consulting Services Inc. (Stantec) to conduct a pre-construction sound study assessing the potential sound due to construction activities and operation of the Project.

The solar arrays will be constructed on predominantly agricultural parcels roughly bounded by St. John Road to the north, County Road 253 to the southwest, and Hayden School Road to the southeast. The electricity generated by the solar facility will be routed to an electrical substation located on the south-central portion of the Project area. The predominant land use of the area for the Project is agricultural or wooded land with surrounding residential development.

The main sources of sound emissions from the operational Project will be the solar inverter stations and substation transformer.

Solar panels produce direct current (DC) voltage which must be converted to alternating current (AC) voltage through a series of inverters. Solar energy facilities operate by converting solar radiation into electricity, meaning the Project will only produce electricity between sunrise and sunset. After sunset, the site no longer receives solar radiation, and the inverters will shift into stand-by mode.

Approximately 34 inverters will be installed in the Project area for the proposed 110-MW Project. The analysis performed for this report assumed the maximum sound pressure level of each inverter skid at one meter (approximately three feet) is less than 79.0 decibels, A-weighted (dBA).

One main power transformer will be installed in the Project substation in the south-central portion of the Project area. The analysis performed for this report assumes the sound power level of the substation transformer at the source is 107.7 dBA.

The loudest sound emissions during construction activities will be impact pile driving. The impact pile driving equipment used to install the foundation piles will generate sound levels of approximately 110 dBA to 117.0 dBA, depending on type and brand. Stantec assumed up to three pile drivers would be operating simultaneously within a solar array.

TELESTO SOLAR PROJECT SOUND STUDY

May 27, 2022

The Project inverters and construction activities are generally expected to run during daytime hours. The substation transformer is expected to operate during both daytime and nighttime hours.

2.0 Sound Level Description

Sound is caused by vibrations that generate waves of minute pressure fluctuations in the surrounding air. Sound levels are typically measured using a logarithmic decibel (dB) scale. Human hearing varies in sensitivity for different sound frequencies. The ear is most sensitive to sound frequencies between 800 and 8,000 hertz (Hz) and is least sensitive to sound frequencies below 400 Hz or above 12,500 Hz. Consequently, several different frequency weighting schemes have been used to approximate the way the human ear responds to sound levels. The decibel (A-weighted) or dBA scale is the most widely used for regulatory requirements, such as the Occupational Safety and Health Administration, because it discriminates against low frequencies, like the response of the human ear. The decibel (C-weighted) sound level (dBC) does not discriminate against low frequencies. Unweighted sound levels are generally reported as dB or dBZ.

For context, a soft whisper has a sound level of approximately 30 dBA, while a normal conversation is approximately 60 dBA. Common household appliances range in sound pressure levels from 40 dBA (refrigerator hum) to 60 dBA (air conditioner)¹.

3.0 Sound Regulations

The proposed Project is located in Hardin County, Kentucky. State and local sound regulations were reviewed; however, no current regulations directly applicable to operational noise from a solar facility were identified for Hardin County or within the state of Kentucky.

4.0 Predicted Sound Analysis Methods

Approximately 34 inverters will be installed within the Project area, distributed throughout the solar arrays. The maximum sound pressure level from each inverter as stated by the manufacturer is less than 79.0 dBA at a distance of one meter (approximately three feet). Therefore, for this analysis, a sound power level of 95.5 dBA at the source was utilized, including a tonal penalty of 5.0 dBA. The inverters will convert electricity when the sun is shining; therefore, they are considered a noise source during daylight hours. The inverters operate in stand-by mode between sunset and sunrise, producing minimal sound at that time.

For this analysis, a conservative sound power level of 107.7 dBA at the source was utilized for the substation transformer during full operation. During nighttime hours, the substation transformer will be energized; however, will produce minimal sound.

¹ Centers for Disease Control and Prevention. 2019. What Noises Cause Hearing Loss? https://www.cdc.gov/nceh/hearing_loss/what_noises_cause_hearing_loss.html

TELESTO SOLAR PROJECT SOUND STUDY

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Sound attenuates between the source and receptors due to a variety of factors, including but not limited to, atmospheric absorption, interaction with the ground, and attenuation due to vegetation and ground cover. Sound impact also decreases with distance from a sound source due to geometric spreading. Locations of the inverters and substation are based on the current layout of the Project provided by Telesto Solar. Residences within approximately one-half mile of the Project facilities were identified and included in the analysis. Elevations for inverters, substation and receptors were calculated within the model, using the National Elevation Dataset acquired from the U.S. Geological Survey.

Sound levels due to operation of the Project were predicted with a noise prediction model in the CadnaA (Computer Aided Noise Abatement) computer program. Conservative ISO 9613-2 algorithms to estimate sound propagation and atmospheric absorption are used by the CadnaA model. The parameters and assumptions made in developing the model and estimating sound at the receptors include the following:

- All inverters and the substation were considered as running at all times.
- An inverter sound power level of 95.5 dBA was used.
- A substation transformer sound power level of 107.7 dBA was used.
- An impact pile driver sound power level of 117.0 dBA was used.
- A ground attenuation factor of 0.5 (on a scale of 0.0 representing hard ground to 1.0 representing porous ground) was modelled.
- Meteorological conditions used were conducive to sound propagation (10 degrees Celsius and 70 percent relative humidity).

5.0 Existing Noise Conditions

5.1 RECEPTOR SITES NEAR THE PROJECT

The nearest concentration of sensitive receptors is located south of St. John Road (KY 1357) within two small residential neighborhoods. These residences are also within one mile of the Regional Airport with Arden Court residences directly adjacent. The nearest non-participating residence will be located more than 450 feet from proposed Project Components. The nearest public sensitive receptor will be the Elizabethtown Regional Airport, which is located over 2,000 feet east of the nearest proposed solar panels.

5.2 EXISTING NOISE FROM ADJACENT PROPERTIES

Adjacent properties to the Project are primarily agricultural (west and north), warehouse manufacturing (south) and airport operation (east) that currently produce noise at sound levels similar to those that will be associated with the Project. In addition, existing traffic generates sound within the Project area. The Project is encompassed by two-lane roadways and is bisected by a

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railroad that receive local traffic typical of a rural farming community, rail transportation, and warehouse manufacturing facilities (e.g., trains, cars, trucks, tractors, and semi-trucks).

5.3 EXISTING PROJECT AREA NOISE

Transportation-related sound sources such as airplanes, cars, trucks, and trains are the principal sources of baseline, ambient sounds in rural communities. Existing sound conditions across the Project consist of typical sounds produced from airport operations, rail transportation, farming and agriculture activities. Trucks, tractors, and other farming equipment used during baling operations, and rail and air transportation produce sound. Other baseline sounds more common in rural areas include livestock and wildlife (e.g., insects, birds, and frogs).

TABLE 1 TYPICAL SOUND LEVELS GENERATED BY COMMON SOURCES

Sources (by distance)	Typical Sound Level by Distance (dBA)	Human Judgment Of Loudness
Ambulance Siren (100 feet) Gas Lawn Mower (3 feet)	100	Very Loud
Passenger Car, 65 mph (25 feet) Living Room Stereo (15 feet) Vacuum Cleaner (10 feet)	70	Loud
Air Conditioning Unit (100 feet)	60	1/2 as Loud
Light Traffic (100 feet)	50	1/4 as Loud
Bird Calls (distant)	40	Quiet (1/8 as loud)

Source: San Diego County (2008)

6.0 Assessment of Sound Impacts During Construction

Construction activities related to the development of the Project will occur over a period of approximately 12 months. Construction will occur in phases, starting with site preparation activities, such as vegetation clearing and access road construction. Construction of the Project substation along with the trenching and installation of the underground electrical collection system will likely be occurring concurrently with the solar array installation activities. The construction process is progressive in nature; therefore, several locations may see activity during the same time period, with installation activities then progressing to other array sites.

TELESTO SOLAR PROJECT SOUND STUDY

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Construction activities will be conducted during daylight hours (7:00 a.m. to 7:00 p.m. or dusk if sunset occurs after 7:00 p.m.). Heavy construction equipment including, but not limited to, backhoes, bulldozers and haul trucks may be present and operational at different points during the first phase of the construction period. The second phase of construction at each array site will include impact drivers to set piles for the tracking system. This analysis assumes that up to three pile drivers may be operating simultaneously within a solar array.

Noise levels from construction equipment will vary by type, age of equipment, and overall condition. Sound levels associated with the type of equipment expected to be used will vary from approximately 79 to 90 dBA at 50 feet. For comparison, typical sound levels generated by common sources is seen in **Table 1**. The maximum expected sound due to operation of the pile drivers is 63 at the nearest receptor to the array boundaries (**Figure 1**). At times, construction activities will be audible to nearby residences or other sensitive receptors; however, not all equipment will be operating at the same time, and activities will be temporary in duration and spread throughout the Project area. To limit construction impact sound, large construction equipment activity will generally be restricted to the hours of 7:00 a.m. to 7:00 p.m., or dusk if sunset occurs after 7:00 p.m.

TABLE 2 TYPICAL SOUND LEVELS GENERATED BY CONSTRUCTION EQUIPMENT

Equipment	Typical Noise Level (dBA) 50 Feet from Sources
Air Compressor	81
Backhoe	80
Dozer	85
Generator	81
Pickup Truck	55
Pile Driver (Impact)	84-101
Pneumatic Tool	85
Pump	76
Spike Driver	77
Tie Cutter	84
Tie Handler	80
Tie Inserter	85
Tractor	84
Truck	88
Welder/Torch	73

Note: FHWA Construction Noise Handbook (FHWA 2009). Table based on US Environmental Protection Agency report and measured data. Exact sound levels may vary depending on manufacturer and model.

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7.0 Assessment of Sound Impacts during Operation

The Project, as currently proposed, includes 34 inverters within the solar generation arrays and one substation transformer. The nearest residence (R083) to a solar inverter is approximately 850 feet based on the current Project design.

Results of the sound analysis at 156 receptors (using 2020 aerial imagery) located near the Project are provided in tabular format in Appendix A. Sound contours from daytime operation, with all facilities operating at full load, are displayed in **Figure 2**. The figure displays the overall expected sound levels from within the solar array and substation, with a ground attenuation of 0.5. **Table 2** provides a summary of the average expected sound at receptors within approximately one-half mile of the Project due to daytime (full load) operation. Nighttime operation will result in lower sound emission, as power will not be generated and therefore the solar inverters and substation transformer will be operating in stand-by mode.

TABLE 3 SUMMARY OF SOUND AT RECEPTORS DUE TO DAYTIME PROJECT OPERATION

Maximum Sound Level	Number of Receptors
35 dB(A) or less	77
35.1 dB(A) to 40 dB(A)	73
40.1 dB(A) to 45 dB(A)	6
Greater than 45.0 dB(A)	0

Results demonstrate that the maximum expected daytime sound from Project operation is 43.5 dBA. As previously discussed, nighttime noise will be substantially less, as power will not be generated, and equipment will be operating in stand-by mode.

8.0 Summary

An operational sound analysis was completed for the Project, considering 34 solar inverters, one substation in full operation. The sound expected from the inverter is based on information provided by the equipment manufacturer for the modeled inverter. The maximum sound expected at a residence, due to operation of the Project is predicted to be approximately 43.5 dBA. The solar facility will operate converting power during daytime hours only. Sound from the inverters and substation will be minimal during the nighttime hours, due to equipment operating in an energized stand-by mode.

A construction sound analysis was completed considering the impact pile driving activities. The pile driver noise impacts are expected to vary from approximately 79 to 90 dBA at 50 feet with multiple pieces of equipment operative simultaneously. The maximum sound expected from the pile driving activities at a receptor is expected to be approximately 63 dBA. Construction noise will be temporary in duration as the installation activities move through the Project area.

TELESTO SOLAR PROJECT SOUND STUDY

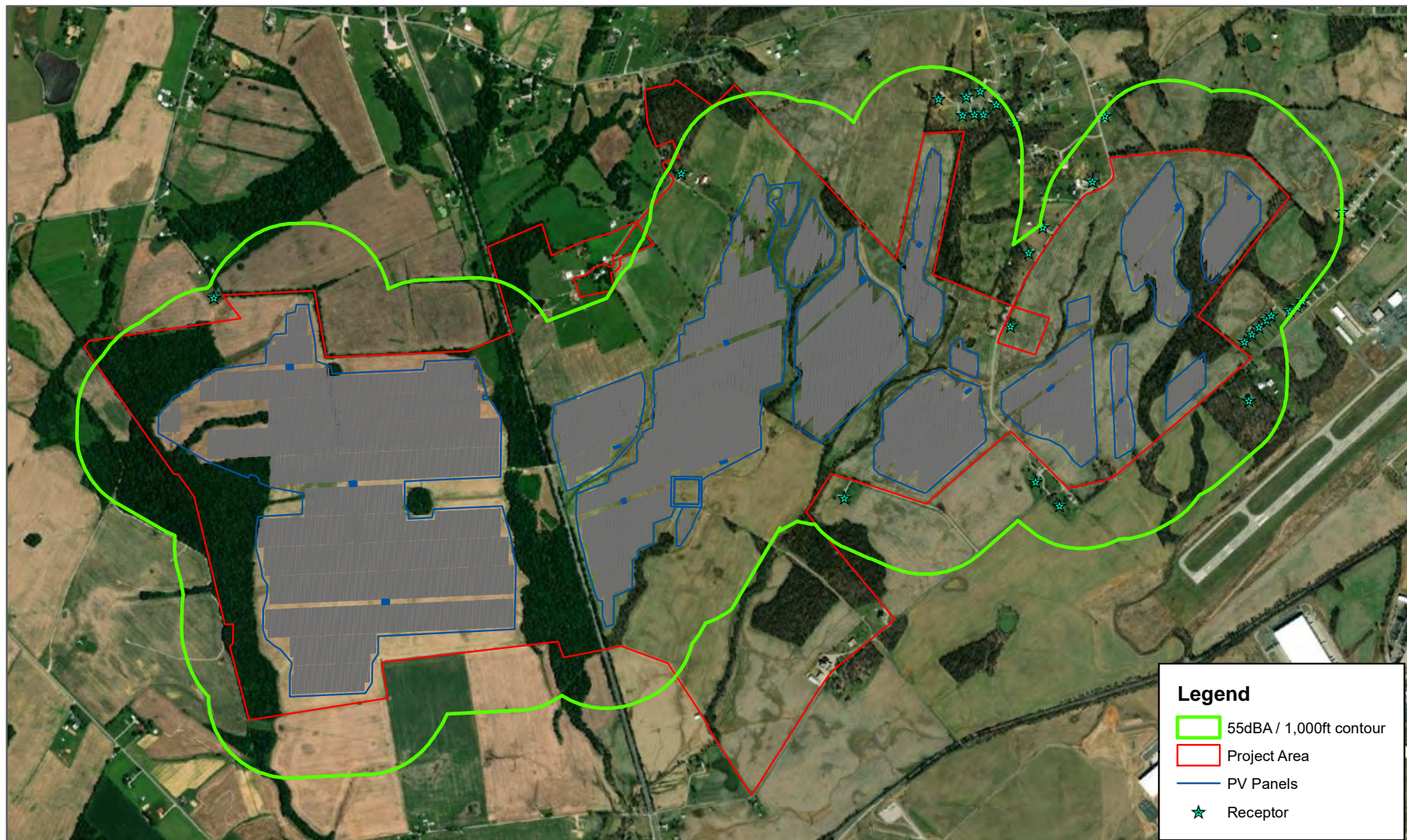
May 27, 2022

FIGURES

TELESTO SOLAR PROJECT SOUND STUDY

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Figure 1
Construction Sound Modeling Results



Legend

- █ 55dBA / 1,000ft contour
- █ Project Area
- █ PV Panels
- ★ Receptor


 This map and all data contained within are supplied as is with no warranty. Cardno, Inc. expressly disclaims responsibility for damages or liability from any claims that may arise out of the use or misuse of this map. It is the sole responsibility of the user to determine if the data on this map meets the user's needs. This map was not created as survey data, nor should it be used as such. It is the user's responsibility to obtain proper survey data, prepared by a licensed surveyor, where required by law.

Figure 1 - 55dBA Construction Noise Contour (Approximate)

Noise Assessment for the Telesto Solar Project
 Telesto Solar, LLC
 Hardin County, Kentucky


 3901 Industrial Boulevard, Indianapolis, IN 46254 USA
 Phone (+1) 317.388.1982 Fax (+1) 317.945.6309
 www.cardno.com

Date: 5/11/2022 File Path: S:\PROJECTS\7A_Energy\E319302605 - Telesto Solar KY\GIS\Figure 1 Construction Noise.mxd
 Basemap: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

GIS Analyst: chad.martin

May 27, 2022

Figure 2
Operational Sound Modelling Results

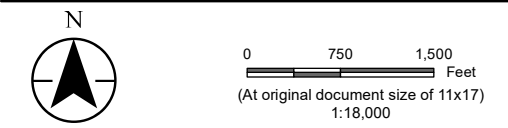
V:\1937\Active\193708892\03_data\gis_cat\gis\mxd\Fig_1_sound_193708892.mxd Reviset: 2022-05-31 By: jblank



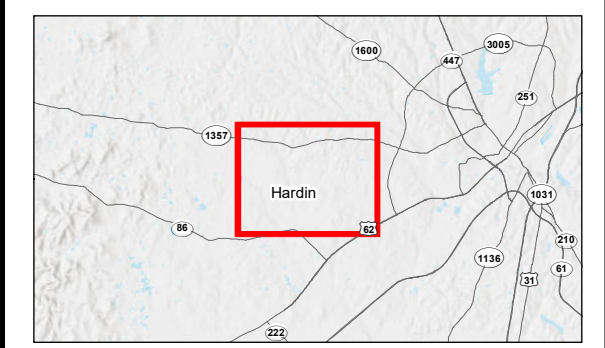
Figure No. **2**
Operational Sound Study Results (Daytime)

Client/Project: Teleso Energy Project, LLC 193708892

Project Location: Hardin County, Kentucky Prepared by JM on 2022-04-28
 TR by JS on 2022-04-28
 IR by JJB on 2022-05-27



- Legend**
- Project Boundary
 - Substation
 - Solar Array
 - Fenceline
 - Inverter
 - Sensitive Receptor
- Sound Results (dBA)**
- 30
 - 35
 - 40
 - 45
 - 50
 - 55
 - 60



Notes

1. Coordinate System: NAD 1983 UTM Zone 16N
2. Data Sources: Stantec, Cardno, NADS, USGS
3. Background: 2020 NAIP



Disclaimer: This document has been prepared based on information provided by others as cited in the Notes section. Stantec has not verified the accuracy and/or completeness of this information and shall not be responsible for any errors or omissions which may be incorporated herein as a result. Stantec assumes no responsibility for data supplied in electronic format, and the recipient accepts full responsibility for verifying the accuracy and completeness of the data.

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Appendix A

Receptor Locations (UTM 16 Coordinates) and Operational Sound Model Results

Appendix A Telesto Solar Project - Receptor Locations and Total Sound Results

Rec ID	X (UTM 16)	Y (UTM 16)	Sound (dBA)
R001	593,167	4,173,287	30.2
R002	593,086	4,173,177	31.1
R003	593,232	4,173,135	31.5
R004	592,927	4,173,068	31.9
R005	594,204	4,173,024	32.3
R006	594,264	4,173,010	32.2
R007	594,416	4,173,011	31.6
R008	594,577	4,173,003	30.8
R009	594,659	4,173,000	30.3
R010	594,510	4,172,990	31.3
R011	592,742	4,172,933	31.7
R012	592,739	4,172,927	33.0
R013	591,249	4,172,907	30.0
R014	593,475	4,172,893	33.6
R015	591,050	4,172,847	30.0
R016	591,351	4,172,847	30.6
R017	593,607	4,172,866	34.0
R018	593,276	4,172,854	33.4
R019	593,277	4,172,849	34.0
R020	593,356	4,172,821	34.2
R021	592,610	4,172,810	35.5
R022	592,610	4,172,809	33.8
R023	591,949	4,172,792	32.3
R024	592,045	4,172,777	32.7
R025	592,042	4,172,775	32.7
R026	592,302	4,172,768	33.4
R027	592,302	4,172,768	30.6
R028	591,362	4,172,756	31.3
R029	592,146	4,172,752	32.8
R030	592,144	4,172,750	33.1
R031	591,474	4,172,736	31.6
R032	592,400	4,172,731	34.0
R033	592,395	4,172,731	36.2
R034	593,317	4,172,728	35.2
R035	591,557	4,172,693	32.1
R036	593,391	4,172,713	35.3
R037	592,316	4,172,690	35.2
R038	592,314	4,172,690	35.0
R039	592,321	4,172,690	34.1
R040	593,728	4,172,669	36.6

Rec ID	X (UTM 16)	Y (UTM 16)	Sound (dBA)
R041	593,298	4,172,655	34.2
R042	593,303	4,172,653	36.0
R043	593,375	4,172,642	36.0
R044	591,922	4,172,624	33.5
R045	593,240	4,172,631	34.9
R046	593,243	4,172,630	36.3
R047	593,145	4,172,620	34.8
R048	593,140	4,172,619	36.6
R049	593,654	4,172,622	36.7
R050	593,357	4,172,607	35.4
R051	593,355	4,172,603	36.4
R052	591,616	4,172,569	33.1
R053	591,788	4,172,569	33.5
R054	591,791	4,172,568	33.5
R055	593,438	4,172,586	36.6
R056	593,439	4,172,585	36.6
R057	593,752	4,172,572	38.0
R058	593,279	4,172,566	36.0
R059	593,314	4,172,562	37.0
R060	593,278	4,172,561	37.1
R061	593,502	4,172,563	36.8
R062	593,233	4,172,558	36.7
R063	593,231	4,172,556	37.3
R064	593,637	4,172,558	37.3
R065	593,423	4,172,535	37.1
R066	592,057	4,172,481	35.0
R067	592,058	4,172,480	35.0
R068	593,532	4,172,405	38.3
R069	593,533	4,172,405	38.3
R070	592,166	4,172,385	36.3
R071	592,165	4,172,383	36.3
R072	594,624	4,172,390	36.3
R073	594,607	4,172,373	36.8
R074	594,591	4,172,350	37.2
R075	592,222	4,172,321	37.1
R076	593,718	4,172,336	36.1
R077	592,220	4,172,317	37.1
R078	593,716	4,172,333	40.5
R079	594,574	4,172,331	37.7
R080	592,135	4,172,291	37.0

Appendix A Telesto Solar Project - Receptor Locations and Total Sound Results

Rec ID	X (UTM 16)	Y (UTM 16)	Sound (dBA)
R081	592,135	4,172,288	37.1
R082	592,021	4,172,282	36.6
R083	594,547	4,172,305	38.5
R084	594,565	4,172,278	38.1
R085	593,527	4,172,265	36.5
R086	593,525	4,172,260	39.4
R087	594,595	4,172,265	37.3
R088	590,348	4,172,215	32.7
R089	594,618	4,172,252	36.8
R090	591,376	4,172,209	35.3
R091	594,667	4,172,210	35.7
R092	593,539	4,172,164	36.9
R093	593,538	4,172,163	40.0
R094	594,709	4,172,144	34.8
R095	590,115	4,172,063	32.0
R096	594,688	4,172,112	35.0
R097	591,426	4,172,066	36.5
R098	590,359	4,172,054	34.3
R099	594,669	4,172,086	35.2
R100	593,488	4,172,066	35.7
R101	593,490	4,172,066	40.7
R102	589,746	4,171,985	29.2
R103	594,564	4,171,988	36.2
R104	591,947	4,171,948	39.6
R105	591,948	4,171,947	39.6
R106	594,538	4,171,966	36.4
R107	589,796	4,171,904	29.9
R108	590,527	4,171,910	37.9
R109	594,512	4,171,945	42.0
R110	594,497	4,171,930	36.6
R111	594,475	4,171,907	36.6
R112	594,445	4,171,888	36.8
R113	594,380	4,171,875	37.4
R114	594,362	4,171,849	37.4
R115	594,337	4,171,823	37.4
R116	589,726	4,171,756	29.7
R117	593,432	4,171,796	36.3
R118	593,427	4,171,794	43.5
R119	594,316	4,171,800	37.4
R120	594,283	4,171,768	37.4

Rec ID	X (UTM 16)	Y (UTM 16)	Sound (dBA)
R121	594,300	4,171,650	36.6
R122	594,299	4,171,559	36.2
R123	593,530	4,171,286	39.8
R124	593,538	4,171,235	40.6
R125	593,537	4,171,232	34.7
R126	592,845	4,171,153	42.4
R127	592,852	4,171,152	34.6
R128	593,632	4,171,152	36.0
R129	593,629	4,171,151	38.9
R130	589,389	4,171,043	27.3
R131	589,264	4,171,033	26.4
R132	592,993	4,170,730	38.1
R133	592,847	4,170,462	37.0
R134	590,360	4,170,253	32.2
R135	590,314	4,170,241	31.8
R136	592,347	4,170,153	35.8
R137	590,480	4,169,981	31.2
R138	591,327	4,169,910	33.8
R139	591,330	4,169,851	33.2
R140	590,683	4,169,814	31
R141	590,924	4,169,759	31.5
R142	590,948	4,169,723	31.3
R143	591,010	4,169,667	31.0
R144	591,089	4,169,579	30.4
R145	592,133	4,169,542	30.8
R146	591,184	4,169,478	29.8
R147	592,109	4,169,475	30.3
R148	592,085	4,169,431	30.0
R149	592,072	4,169,398	29.7
R150	591,648	4,169,351	29.4
R151	591,723	4,169,352	29.4
R152	591,601	4,169,347	29.3
R153	592,039	4,169,350	29.4
R154	591,535	4,169,329	29.2
R155	591,977	4,169,319	29.2
R156	591,800	4,169,286	29.0



Telesto Traffic Impact Study

May 26, 2022

Prepared for:

Telesto Energy Project, LLC

Prepared by:

Stantec Consulting Services Inc.
9200 Shelbyville Road, Suite 800
Louisville, Kentucky 40222



TELESTO TRAFFIC IMPACT STUDY

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Executive Summary

The Telesto Solar facility development is proposed west of Elizabethtown in Hardin County, Kentucky, on a property located south of KY 1357 (St. John Road), north of Hayden School Road, east of KY 253, and west of Kentucky State Highway (KY) 3005 (Ring Road). Telesto Solar Project, LLC proposes to utilize the existing land to establish a solar facility on the site. The development will have access points along several routes around the facility. Analyses of the 2022 existing conditions (based on most recent counts provided by the Kentucky Transportation Cabinet, KYTC) and the 2023 construction year were performed. The traffic impact study (TIS) evaluated the operating conditions for the AM and PM peak hours at the roadway segments below:

- Station 047014: KY 253 from KY 86 (MP 0.00) to KY 1357 (MP 3.153)
- Station 047756: KY 1357 from Howe Valley Road (MP 4.747) to KY 1375 (MP 8.646)
- Station 047101: KY 1357 from KY 1375 (MP 8.646) to Thomas Road (MP 12.874)
- Station 047099: KY 1357 from Thomas Road (MP 12.874) to KY 3005 (MP 14.614)
- Station 047C11: KY 1357 from KY 3005 (MP 14.614) to Gates Road (MP 15.857)
- Station 047204: CR 1395 (Local Bridge Road)
- Station 047191: CR 1127V (Cecil Avenue)
- Station 047C56: CS 1551 from US 62 (MP 0.00) to KY 3005 (MP 0.695)
- Station 047078: CS 1551 from KY 3005 (MP 0.695) to End of County Maintenance (MP 2.716)
- Station 047263: KY 86 from KY 253 (MP 14.601) to us 62 (MP 16.145)
- Station 047354: US 62 from KY 1375 (MP 9.567) to KY 86 (MP 12.483)
- Station 047328: US 62 from KY 86 (MP 12.483) to KY 3005 (MP 14.580)
- Station 047C24: US 62 from KY 3005 (MP 14.580) to KY 1904 (MP 15.192)
- Station 047B80: KY 3005 from KY 1357 (MP 3.656) to KY 361 (MP 5.244)
- Station 047B22 KY 3005 from US 62 (MP 1.908) to KY 1357 (MP 3.656)

Based on the results of the analysis, the following conclusions were developed:

- During construction, all highway segments are anticipated to continue to operate at acceptable level of service (LOS) standards during both the peak hours. Therefore, the construction for this project will not adversely affect traffic operations on studied roadways.
- After construction is complete, the site will be managed with negligible added traffic demand. During the operational phase of the project, the surrounding roadway network will continue to operate at an acceptable LOS during all hours.



TELESTO TRAFFIC IMPACT STUDY

INTRODUCTION

1.0 INTRODUCTION

The purpose of this study is to estimate the traffic impacts of the Telesto Solar Energy Project, (the Project), proposed by Telesto Energy Project, LLC. The Project is to be located approximately one mile west of Elizabethtown in Hardin County, Kentucky. The Project site can be generally described as south of KY 1357 (St. John Road), north of Hayden School Road, east of KY 253 and west of KY 3005 (Ring Road). The proposed Project site is shown in **Figure 1**.

The Project area encompasses approximately 546 acres in an agricultural area. The petitioner proposes to utilize the land to establish a 110-megawatt (MW), utility-scale, solar-powered electric generating facility. The Project will have access points around the site with major truck deliveries coming primarily from the south. A construction year of 2023 was evaluated as part of the study.



TELESTO TRAFFIC IMPACT STUDY

INTRODUCTION

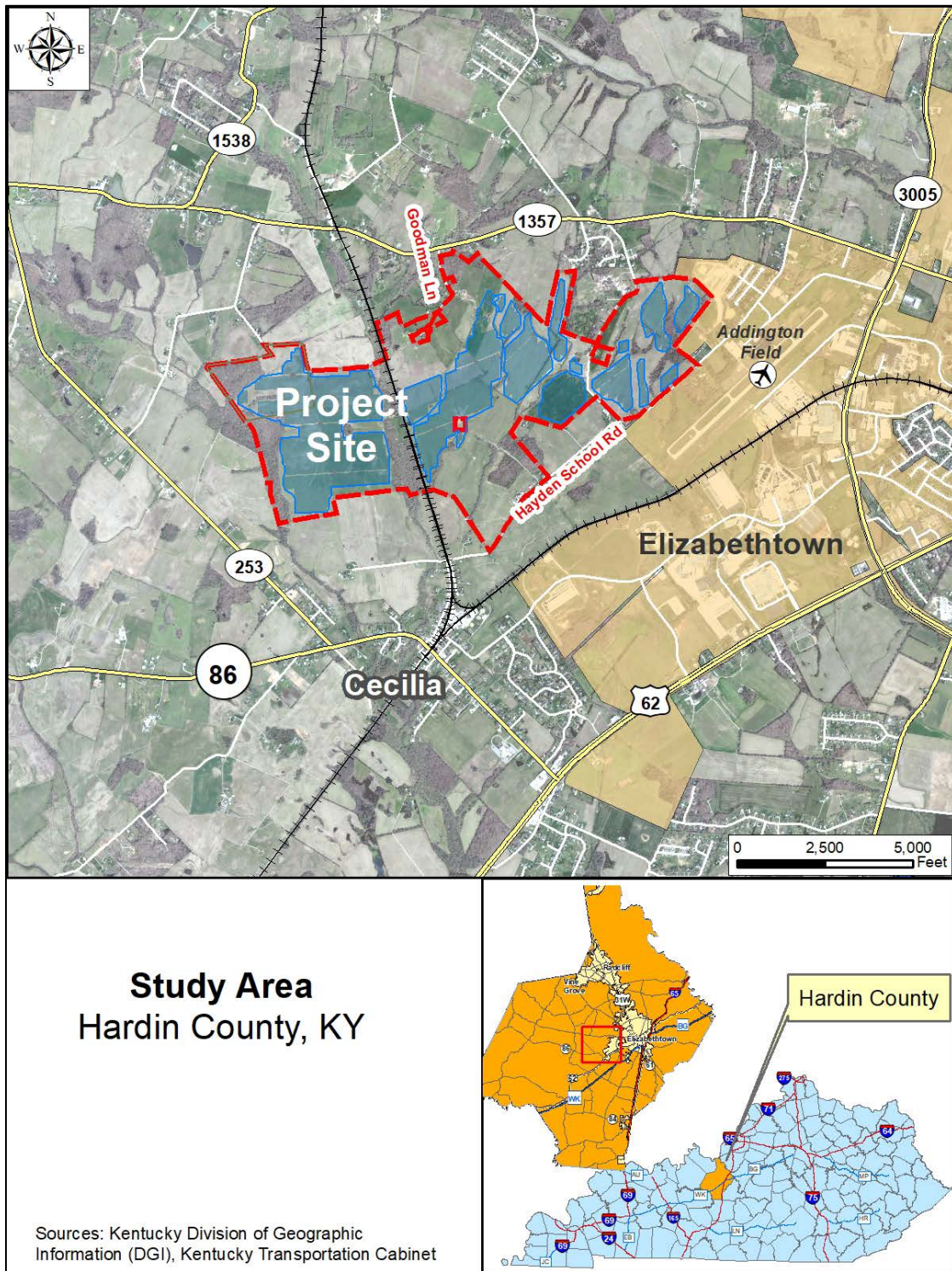


Figure 1: Project Location



TELESTO TRAFFIC IMPACT STUDY

DATA COLLECTION

2.0 DATA COLLECTION

Traffic counts (including both 24-hour and classification counts) were obtained from the Kentucky Transportation Cabinet (KYTC) to establish the existing traffic conditions. **Figure 2** shows the locations of the primary / adjacent count stations used in this analysis. The summarized count data for each of these stations is included in **Appendix A** for the following count stations:

- Station 047014: KY 253 from KY 86 (MP 0.00) to KY 1357 (MP 3.153)
- Station 047756: KY 1357 from Howe Valley Road (MP 4.747) to KY 1375 (MP 8.646)
- Station 047101: KY 1357 from KY 1375 (MP 8.646) to Thomas Road (MP 12.874)
- Station 047099: KY 1357 from Thomas Road (MP 12.874) to KY 3005 (MP 14.614)
- Station 047C11: KY 1357 from KY 3005 (MP 14.614) to Gates Road (MP 15.857)
- Station 047204: CR 1395 (Local Bridge Road)
- Station 047191: CR 1127V (Cecil Avenue)
- Station 047C56: CS 1551 from US 62 (MP 0.00) to KY 3005 (MP 0.695)
- Station 047078: CS 1551 from KY 3005 (MP 0.695) to End of County Maintenance (MP 2.716)
- Station 047263: KY 86 from KY 253 (MP 14.601) to us 62 (MP 16.145)
- Station 047354: US 62 from KY 1375 (MP 9.567) to KY 86 (MP 12.483)
- Station 047328: US 62 from KY 86 (MP 12.483) to KY 3005 (MP 14.580)
- Station 047C24: US 62 from KY 3005 (MP 14.580) to KY 1904 (MP 15.192)
- Station 047B80: KY 3005 from KY 1357 (MP 3.656) to KY 361 (MP 5.244)
- Station 047B22 KY 3005 from US 62 (MP 1.908) to KY 1357 (MP 3.656)



TELESTO TRAFFIC IMPACT STUDY

DATA COLLECTION

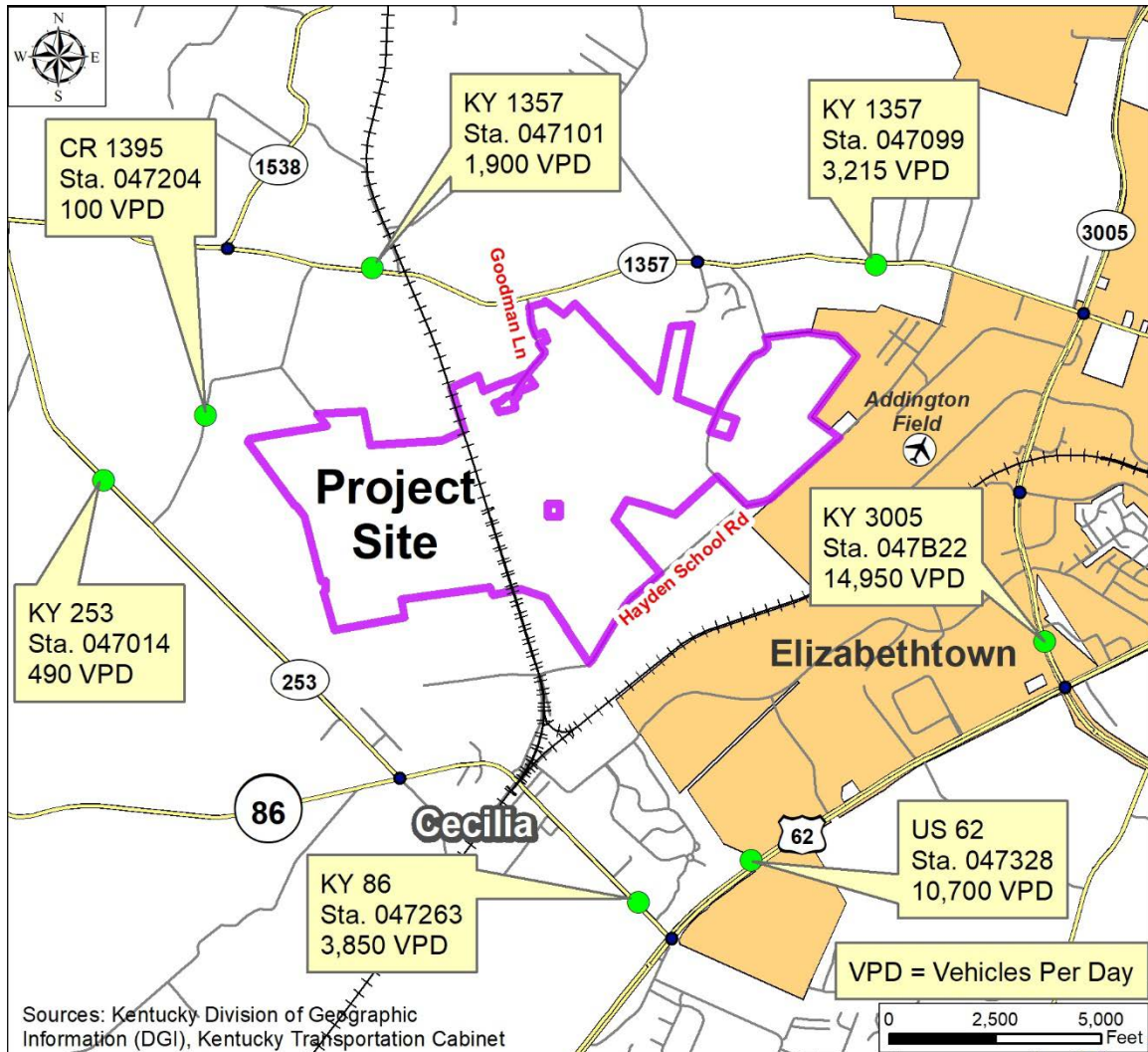


Figure 2: KYTC Count Stations

KY 1357 (St. John Road), located directly north of the Project site, is classified as a two-lane minor collector with daily traffic volumes ranging from 1,900 vehicles per day (VPD) to 3,200 VPD. To the southeast, US 62 is a multi-lane urban minor arterial with a posted speed limit of 55 miles per hour (mph) and daily traffic of 10,700 VPD. To the east of the Project site, KY 3005 (Ring Road) is also a multi-lane urban minor arterial with a posted speed limit of 50 mph and the heaviest daily traffic in the area, with almost 15,000 VPD. KY 86 is a two-lane urban minor arterial from south of KY 253 to US 62 with a posted speed limit of 35 mph.

Two-lane and multi-lane highway analyses were used to evaluate the roadways based on methods described in the Highway Capacity Manual (HCM) and implemented within the Highway Capacity Software (HCS 7). The results can be found in **Appendix B**. The analyses were used to estimate capacity and Level of Service (LOS) for given traffic and geometric conditions. LOS provides a measure of the



TELESTO TRAFFIC IMPACT STUDY

DATA COLLECTION

quality of traffic flow provided by a roadway facility, expressed in terms of letter grades with LOS A representing the highest quality traffic flow and minimal delay, and LOS F representing poor traffic operations and significant delay. For rural areas, LOS C or better is generally considered to be desirable. In urban areas, LOS D or better is generally considered desirable.

The two-lane highways method utilizes follower density (followers/mile) as the service measure for LOS, as shown in **Table 1**. The multi-lane highway analysis method uses density (pc/mi/ln) as the service measure for LOS, as shown in **Table 2**.

Table 1: Level of Service Criteria for Two-Lane Highways

LOS	Density (followers/mi) Speed Limit \geq 50 mph	Density (followers/mi) Speed Limit < 50 mph
A	≤ 2	≤ 2.5
B	> 2 - 4	> 2.5 - 5.5
C	> 4 - 8	> 5 - 10
D	> 8 - 12	> 10 - 15
E	> 12	> 15
F	Demand exceeds capacity	Demand exceeds capacity

Table 2: Level of Service Criteria for Multi-Lane Highways

LOS	Density (pc/mi/ln)
A	≤ 11
B	> 11 - 18
C	> 18 - 26
D	> 26 - 35
E	> 35 - 45
F	Demand exceeds capacity OR density > 45

The results of the existing AM and PM peak hour traffic analyses for two-lane roads are summarized in **Table 3**. The results indicate that all existing Project-adjacent two-lane roadways currently operate at acceptable LOS during both the AM and PM peak hours.



TELESTO TRAFFIC IMPACT STUDY

DATA COLLECTION

Table 3: Existing AM/PM Two-Lane Highway Analysis

Segment	Existing AM		Existing PM	
	Density (followers/mi/ln)	LOS	Density (followers/mi/ln)	LOS
CR 1127V (Cecil Avenue)	0.8	A	0.9	A
CR 1395 (Local Bridge)	0.0	A	0.0	A
CS 1551 (N Black Branch Road) at:				
End of Maintenance to Pritchard Parkway	0.8	A	0.9	A
Pritchard Parkway to Dana Drive	0.7	A	0.8	A
Dana Drive to KY 3005 (Ring Road)	1.1	A	1.2	A
KY 3005 (Ring Road) to Kentucky Drive	1.7	A	1.5	A
Kentucky Drive to US 62 (Leitchfield Road)	2.8	B	2.4	A
KY 86 (Main Street) at:				
KY 253 (Bethlehem Academy Road) to MP 14.800 (near Carter Avenue)	1.2	A	1.7	A
MP 14.800 (near Carter Avenue) to US 62 (Leitchfield Road)	2.4	A	3.4	B
KY 253 (Bethlehem Academy Road) at:				
KY 1357 (Saint John Road) to MP 0.444 (near Williams Lane)	0.0	A	0.1	A
MP 0.444 (near Williams Lane) to KY 86 (Main Street)	0.1	A	0.2	A
KY 1357 (Saint John Road) at:				
Gates Road to Harvard Drive	6.1	C	4.4	B
Harvard Drive to MP 15.236 (near King Arthur Circle)	6.2	C	4.3	B
MP 15.236 (near King Arthur Circle) to KY 3005	6.6	C	4.7	B
KY 3005 (Ring Road) to Hayden School Road	0.9	A	1.3	A
Hayden School Road to Cecilia Road	1.1	A	1.4	A
Cecilia Road to Thomas Road	1.0	A	1.4	A
Thomas Road to Kamber Lane	0.4	A	0.6	A
Kamber Lane to MP 10.823 (near Crisp Road)	0.3	A	0.5	A
MP 10.823 (near Crisp Road) to MP 10.273 (KY 1538)	0.5	A	0.7	A
MP 10.273 (near KY 1538) to MP 9.547 (near KY 253)	0.3	A	0.5	A
MP 9.547 (near KY 253) to MP 8.976 (near Spears Lane)	0.4	A	0.6	A
MP 8.976 (near Spears Lane) to KY 1375 (Long Grove Road)	0.3	A	0.5	A

The results of the existing AM and PM peak hour multi-lane analyses are summarized in **Table 4**. The results indicate that all existing Project-adjacent multi-lane roads currently operate at acceptable LOS standards during both the AM and PM peak hours.



TELESTO TRAFFIC IMPACT STUDY

DATA COLLECTION

Table 4: Existing AM/PM Multilane Highway Analysis

Segment	Existing AM				Existing PM			
	NB		SB		NB		SB	
	Density (pc/mi/ln)	LOS	Density (pc/mi/ln)	LOS	Density (pc/mi/ln)	LOS	Density (pc/mi/ln)	LOS
KY 3005 (Ring Road) at:								
KY 361 to KY 1357	8.4	A	6.5	A	9.8	A	8.6	A
KY 1357 to MP 1.918 (near Bruin Lane)	9.5	A	7.1	A	8.7	A	8.3	A
MP 1.918 (near Bruin Lane) to US 62	8.6	A	4.2	A	7.9	A	4.9	A
US 62 (Leitchfield Road) at:								
KY 1904 to KY 3005	6.5	A	3.6	A	5.2	A	4.7	A
KY 3005 to MP 14.406 (near Auto Glass Drive)	5.6	A	2.9	A	2.8	A	5.5	A
MP 14.406 (near Auto Glass Drive) to KY 86	5.5	A	2.8	A	2.7	A	5.3	A
KY 86 to Leitchfield Loop	2.8	A	2.2	A	2.5	A	3.2	A



3.0 PROJECT TRIP GENERATION

3.1 CONSTRUCTION

The trip generation analysis for the construction of the Project would generally be based on the number of workers and the associated construction and delivery truck trips expected during the construction of the Project. Construction workers will consist of laborers, equipment operators, electricians, supervisory personnel, support personnel, and construction management personnel. It is envisioned that workers will arrive/depart from passenger vehicles and trucks daily during the AM (7:00 – 9:00 AM) and PM (3:00 – 6:00 PM) peak hours. Equipment deliveries will occur on trailers, flatbeds, or other large vehicles at various times during the day and from different inception locations. While specific details concerning construction duration and intensity are not currently known, this study has employed a sensitivity analysis to demonstrate likely construction traffic levels will not have a significant, adverse effect on peak hour traffic operations. To demonstrate this, traffic on studied roadways with volumes greater than 300 VPD was increased by 25 percent, and traffic on roadways with less than 300 VPD were increased by 50 percent. These increases are far greater than would be anticipated for the actual construction of the Project.

3.1.1 CONSTRUCTION ANALYSIS

The 2023 construction year analysis assumed no changes to the existing roadway network and increases in traffic demand discussed above. The results of the construction year AM and PM peak hour two-lane analysis are summarized in **Table 5**. The results of the construction year AM and PM multi-lane analysis are summarized in **Table 6**. Complete output reports are included in **Appendix B**. The results indicate that all analyzed roadway segments are anticipated to continue to operate at acceptable LOS during construction for both peak hours.



TELESTO TRAFFIC IMPACT STUDY

PROJECT TRIP GENERATION

Table 5: Construction Year (2023) AM/PM Two-Lane Highway Analysis

Segment	Construction AM		Construction PM	
	Density (followers/mi/ln)	LOS	Density (followers/mi/ln)	LOS
CR 1127V (Cecil Avenue)	1.5	A	1.6	A
CR 1395 (Local Bridge)	0.0	A	0.1	A
CS 1551 (N Black Branch Road) at:				
End of Maintenance to Pritchard Parkway	1.6	A	1.7	A
Pritchard Parkway to Dana Drive	1.5	A	1.6	A
Dana Drive to KY 3005 (Ring Road)	2.1	A	2.2	A
KY 3005 (Ring Road) to Kentucky Drive	3.1	B	2.7	B
Kentucky Drive to US 62 (Leitchfield Road)	5.1	C	4.5	B
KY 86 (Main Street) at:				
KY 253 (Bethlehem Academy Road) to MP 14.800 (near Carter Avenue)	2.5	B	3.4	B
MP 14.800 (near Carter Avenue) to US 62 (Leitchfield Road)	4.7	B	6.5	C
KY 253 (Bethlehem Academy Road) at:				
KY 1357 (Saint John Road) to MP 0.444 (near Williams Lane)	0.1	A	0.1	A
MP 0.444 (near Williams Lane) to KY 86 (Main Street)	0.2	A	0.3	A
KY 1357 (Saint John Road) at:				
Gates Road to Harvard Drive	8.5	C	6.1	C
Harvard Drive to MP 15.236 (near King Arthur Circle)	8.8	C	6.2	C
MP 15.236 (near King Arthur Circle) to KY 3005	9.1	C	6.5	C
KY 3005 (Ring Road) to Hayden School Road	1.9	A	2.6	B
Hayden School Road to Cecilia Road	2.1	A	2.8	B
Cecilia Road to Thomas Road	2.0	A	2.7	B
Thomas Road to Kamber Lane	0.8	A	1.2	A
Kamber Lane to MP 10.823 (near Crisp Road)	0.7	A	1.0	A
MP 10.823 (near Crisp Road) to MP 10.273 (KY 1538)	0.9	A	1.3	A
MP 10.273 (near KY 1538) to MP 9.547 (near KY 253)	0.6	A	1.0	A
MP 9.547 (near KY 253) to MP 8.976 (near Spears Lane)	0.8	A	1.1	A
MP 8.976 (near Spears Lane) to KY 1375 (Long Grove Road)	0.7	A	1.0	A

Table 6: Construction Year (2023) AM/PM Multilane Highway Analysis

Segment	Construction AM				Construction PM			
	NB		SB		NB		SB	
	Density (pc/mi/ln)	LOS	Density (pc/mi/ln)	LOS	Density (pc/mi/ln)	LOS	Density (pc/mi/ln)	LOS
KY 3005 (Ring Road) at:								
KY 361 to KY 1357	10.5	A	8.1	A	12.3	B	10.7	A
KY 1357 to MP 1.918 (near Bruin Lane)	11.9	B	8.8	A	10.9	A	10.4	A
MP 1.918 (near Bruin Lane) to US 62	10.7	A	5.2	A	9.9	A	6.2	A
US 62 (Leitchfield Road) at:								
KY 1904 to KY 3005	8.1	A	4.5	A	6.5	A	5.9	A
KY 3005 to MP 14.406 (near Auto Glass Drive)	7.0	A	3.6	A	3.5	A	6.9	A
MP 14.406 (near Auto Glass Drive) to KY 86	6.9	A	3.4	A	3.4	A	6.6	A
KY 86 to Leitchfield Loop	4.2	A	3.3	A	3.2	A	4.0	A



TELESTO TRAFFIC IMPACT STUDY

PROJECT TRIP GENERATION

3.2 OPERATION

Once operational, the facility will be managed and monitored by a small number of employees. The facility will have one employee on site every day and up to three additional employees for 70 days a year for site inspections and repair. Operations workers are expected to commute to and from the Project site individually during the peak AM and PM hours. Work can also be conducted at night up to thirty days a year. This additional volume of daily traffic is considered negligible, and the operational phase of the Project will have no measurable impact on the traffic and/or transportation infrastructure.



4.0 CONCLUSION

As demonstrated in the traffic analysis, the construction period will not produce significant operational changes to existing roadways. All roadways within the Project area will continue to operate at LOS C or better during peak construction traffic. Although no significant adverse traffic impacts are expected during Project construction or operation, using mitigation measures such as ridesharing between construction workers, using appropriate traffic controls, or allowing flexible working hours outside of peak hours could be implemented to minimize any potential for delays during the AM and PM peak hours.



Appendix A

TRAFFIC COUNTS AND CLASSIFICATION DATA



Kentucky Transportation Cabinet

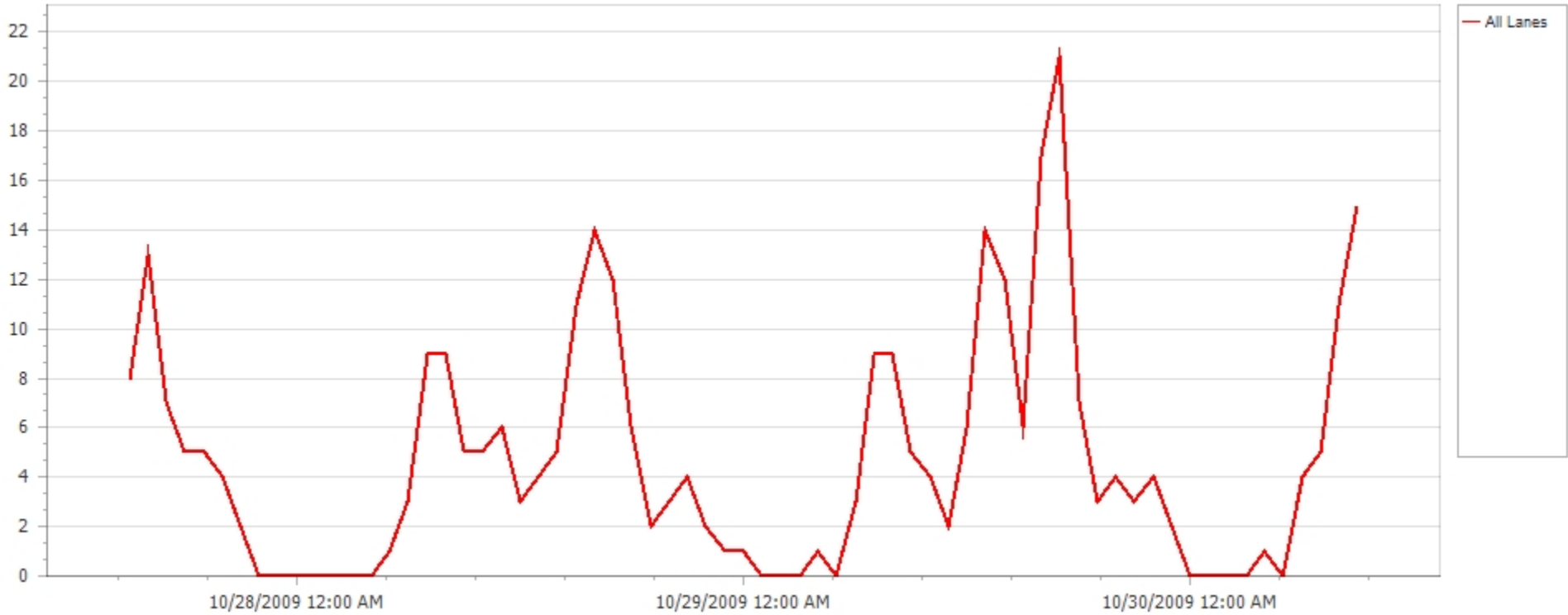
Short-term Hourly Traffic Volume for 08/17/2021 through 08/19/2021

Site names:	047191	Seasonal Factor Grp:	3
County:	Hardin	Daily Factor Grp:	3
Funct Class:	U Collector	Axle Factor Grp:	17
Location:	047-CR-1127V -000 @ .229 From:	Growth Factor Grp:	17

	Sun, Aug 15, 2021			Mon, Aug 16, 2021			Tue, Aug 17, 2021			Wed, Aug 18, 2021			Thu, Aug 19, 2021			Fri, Aug 20, 2021			Sat, Aug 21, 2021		
	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg
00:00										2			4								
01:00										3			5								
02:00										7			6								
03:00										11			7								
04:00										9			12								
05:00										34			40								
06:00										87			92								
07:00										96			88								
08:00										45											
09:00								42		47											
10:00								40		40											
11:00								47		44											
12:00								63		53											
13:00								58		50											
14:00								66		72											
15:00								82		84											
16:00								95		100											
17:00								67		56											
18:00								56		59											
19:00								43		61											
20:00								29		32											
21:00								35		26											
22:00								18		18											
23:00								23		16											
Total								764		1,052			254								
AM Peak Vol										114											
AM Peak Fct										.695											
AM Peak Hr										6:30											
PM Peak Vol								98		103											
PM Peak Fct								.817		.858											
PM Peak Hr								16:15		16:15											
Seasonal Fct								.963		.963			.963								
Daily Fct								.963		.946			.924								
Axle Fct								.494		.494			.494								
Pulse Fct								2.000		2.000			2.000								

Volume by Lane

Name:	R1395_0010T4-043H20A2AV11	Station:	043H20A2AV11
Site:	R1395_0010T4	Longitude:	0.000000 E
Latitude:	0.000000 N	Ended:	10/30/2009 9:59:59 AM
Started:	10/27/2009 3:00:00 PM		



Hasta 24 horas comenzando en Tuesday, October 27, 2009

Interval	All Lanes
15:00	8
16:00	13
17:00	7
18:00	5
19:00	5
20:00	4
21:00	2
22:00	0
23:00	0
00:00	0
01:00	0
02:00	0
03:00	0
04:00	0
05:00	1
06:00	3
07:00	9
08:00	9
09:00	5
10:00	5
11:00	6
12:00	3
13:00	4
14:00	5
24 Hour Total	94
AM Peak	9 (starting at 07:00:00)
PM Peak	13 (starting at 16:00:00)

Hasta 24 horas comenzando en Wednesday, October 28, 2009

Interval	All Lanes
15:00	11
16:00	14
17:00	12
18:00	6
19:00	2
20:00	3
21:00	4
22:00	2
23:00	1
00:00	1
01:00	0
02:00	0
03:00	0
04:00	1
05:00	0
06:00	3
07:00	9
08:00	9
09:00	5
10:00	4
11:00	2
12:00	6
13:00	14
14:00	12
24 Hour Total	121
AM Peak	9 (starting at 07:00:00)
PM Peak	14 (starting at 16:00:00)

Hasta 24 horas comenzando en Thursday, October 29, 2009

Interval	All Lanes
15:00	6
16:00	17
17:00	21
18:00	7
19:00	3
20:00	4
21:00	3
22:00	4
23:00	2
00:00	0
01:00	0
02:00	0
03:00	0
04:00	1
05:00	0
06:00	4
07:00	5
08:00	11
09:00	15
24 Hour Total	103
AM Peak	15 (starting at 09:00:00)
PM Peak	21 (starting at 17:00:00)
Average Interval	5
Maximum in one Interval	21
Grand Total	318

Kentucky Transportation Cabinet

Short-term Hourly Traffic Volume for 05/05/2021 through 05/07/2021

Site names:	047C56	Seasonal Factor Grp:	3
County:	Hardin	Daily Factor Grp:	3
Funct Class:	U Collector	Axle Factor Grp:	17
Location:	047-CS-1551 -000 @ .347 From: US 62 To:	Growth Factor Grp:	17

	Sun, May 2, 2021			Mon, May 3, 2021			Tue, May 4, 2021			Wed, May 5, 2021			Thu, May 6, 2021			Fri, May 7, 2021			Sat, May 8, 2021			
	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	
00:00													25			22						
01:00													10			4						
02:00													7			2						
03:00													5			5						
04:00													5			7						
05:00													8			9						
06:00													57			47						
07:00													105			94						
08:00													155			143						
09:00													210			198						
10:00													62			68						
11:00													50			88						
12:00													102			114						
13:00											112			107			96					
14:00											85			106			85					
15:00											111			105			123					
16:00											178			184								
17:00											123			121								
18:00											109			103								
19:00											89			80								
20:00											59			61								
21:00											52			40								
22:00											66			60								
23:00											54			37								
Total											1,038			1,805			1,105					
AM Peak Vol														252			231					
AM Peak Fct														.75			.688					
AM Peak Hr														8: 30			8: 30					
PM Peak Vol														184								
PM Peak Fct														.597								
PM Peak Hr														16: 00			:					
Seasonal Fct											1.057			1.057			1.057					
Daily Fct											.962			.907			.892					
Axle Fct											.495			.495			.495					
Pulse Fct											2.000			2.000			2.000					

Kentucky Transportation Cabinet

Short-term Hourly Traffic Volume for 08/17/2021 through 08/19/2021

Site names:	047078	Seasonal Factor Grp:	3
County:	Hardin	Daily Factor Grp:	3
Funct Class:	U Collector	Axle Factor Grp:	17
Location:	047-CS-1551 -000 @ 1.705 From: KY 3005	Growth Factor Grp:	17

	Sun, Aug 15, 2021			Mon, Aug 16, 2021			Tue, Aug 17, 2021			Wed, Aug 18, 2021			Thu, Aug 19, 2021			Fri, Aug 20, 2021			Sat, Aug 21, 2021		
	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg
00:00										7			6								
01:00										5			7								
02:00										14			14								
03:00										17			22								
04:00										32			26								
05:00										84			93								
06:00										200			186								
07:00										188			185								
08:00										86											
09:00								95		92											
10:00								102		90											
11:00								140		114											
12:00								125		134											
13:00								128		142											
14:00								139		180											
15:00								190		195											
16:00								153		189											
17:00								119		132											
18:00								118		151											
19:00								98		115											
20:00								53		55											
21:00								69		67											
22:00								49		47											
23:00								42		31											
Total								1,620		2,367			539								
AM Peak Vol										235											
AM Peak Fct										.699											
AM Peak Hr										6: 30											
PM Peak Vol								202		217											
PM Peak Fct								.647		.753											
PM Peak Hr								14: 30		14: 30											
Seasonal Fct								.963		.963			.963								
Daily Fct								.963		.946			.924								
Axle Fct								.494		.494			.494								
Pulse Fct								2.000		2.000			2.000								

Kentucky Transportation Cabinet

Short-term Hourly Traffic Volume for 05/02/2017 through 05/04/2017

Site names:	047263	Seasonal Factor Grp:	3
County:	Hardin	Daily Factor Grp:	3
Funct Class:	U Minor Arterial	Axle Factor Grp:	16
Location:	047-KY-0086 -000 @ 16.000 From: KY 253	Growth Factor Grp:	16

	Sun, Apr 30, 2017			Mon, May 1, 2017			Tue, May 2, 2017			Wed, May 3, 2017			Thu, May 4, 2017			Fri, May 5, 2017			Sat, May 6, 2017			
	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	
00:00										37			36									
01:00										12			20									
02:00										19			20									
03:00										22			16									
04:00										34			31									
05:00										92			82									
06:00										242			237									
07:00										332			331									
08:00										285			251									
09:00										190			200									
10:00										209			200									
11:00										178			173									
12:00								222		249			259									
13:00								277		239			271									
14:00								260		301												
15:00								331		320												
16:00								297		354												
17:00								381		432												
18:00								304		308												
19:00								230		278												
20:00								184		202												
21:00								148		117												
22:00								95		95												
23:00								48		51												
Total								2,777		4,598			2,127									
AM Peak Vol								0		332			331									
AM Peak Fct								0		1			1									
AM Peak Hr								:		7: 00			7: 00									
PM Peak Vol								381		432			0									
PM Peak Fct								1		1			0									
PM Peak Hr								17: 00		17: 00			:									
Seasonal Fct								.953		.953			.953									
Daily Fct								.977		.964			.940									
Axle Fct								.484		.484			.484									
Pulse Fct								2.000		2.000			2.000									

Kentucky Transportation Cabinet

Short-term Hourly Traffic Volume for 09/30/2020 through 10/02/2020

Site names:	047263	Seasonal Factor Grp:	3
County:	Hardin	Daily Factor Grp:	3
Funct Class:	U Minor Arterial	Axle Factor Grp:	16
Location:	047-KY-0086 -000 @ 16.000 From: KY 253	Growth Factor Grp:	16

	Sun, Sep 27, 2020			Mon, Sep 28, 2020			Tue, Sep 29, 2020			Wed, Sep 30, 2020			Thu, Oct 1, 2020			Fri, Oct 2, 2020			Sat, Oct 3, 2020		
	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg
00:00													30			22					
01:00													12			15					
02:00													23			19					
03:00													19			13					
04:00													48			38					
05:00													106			99					
06:00													236			185					
07:00													371			295					
08:00													239			241					
09:00													184			248					
10:00													187			273					
11:00													224			282					
12:00													275			272					
13:00													275			311					
14:00											310			321							
15:00											321			361							
16:00											336			348							
17:00											388			391							
18:00											280			257							
19:00											206			229							
20:00											172			145							
21:00											110			101							
22:00											63			67							
23:00											43			32							
Total											2,229			4,481			2,313				
AM Peak Vol														379			295				
AM Peak Fct														.803			.858				
AM Peak Hr														6: 45			7: 00				
PM Peak Vol														391							
PM Peak Fct														.821							
PM Peak Hr														17: 00							
Seasonal Fct											.937			.944			.944				
Daily Fct											.945			.930			.867				
Axle Fct											.492			.493			.493				
Pulse Fct											2.000			2.000			2.000				

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Short-term Hourly Traffic Volume for 05/08/2017 through 05/11/2017

Site names:	047014	Seasonal Factor Grp:	2
County:	Hardin	Daily Factor Grp:	2
Funct Class:	R Local System	Axle Factor Grp:	09
Location:	047-KY-0253 -000 @ 2.000	From: KY 86 To:	Growth Factor Grp: 09

	Sun, May 7, 2017			Mon, May 8, 2017			Tue, May 9, 2017			Wed, May 10, 2017			Thu, May 11, 2017			Fri, May 12, 2017			Sat, May 13, 2017		
	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg
00:00							2			2			3								
01:00							0			1			2								
02:00							3			1			0								
03:00							0			1			1								
04:00							3			3			2								
05:00							5			6			5								
06:00							35			34			33								
07:00							23			36			35								
08:00							24			32			34								
09:00							29			28			19								
10:00							29			25			26								
11:00							25			23			22								
12:00							37			28											
13:00				28			20			17											
14:00				39			26			41											
15:00				39			47			45											
16:00				38			51			50											
17:00				58			48			50											
18:00				26			32			40											
19:00				21			28			36											
20:00				20			17			20											
21:00				17			28			12											
22:00				16			17			22											
23:00				2			4			5											
Total				304			533			558			182								
AM Peak Vol				0			35			36			35								
AM Peak Fct				0			1			1			1								
AM Peak Hr				:			6: 00			7: 00			7: 00								
PM Peak Vol				0			51			50			0								
PM Peak Fct				0			1			1			0								
PM Peak Hr				:			16: 00			16: 00			:								
Seasonal Fct				.955			.955			.955			.955								
Daily Fct				1.005			1.003			.995			.953								
Axle Fct				.486			.486			.486			.486								
Pulse Fct				2.000			2.000			2.000			2.000								

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Short-term Hourly Traffic Volume for 07/13/2020 through 07/16/2020

Site names:	047014	Seasonal Factor Grp:	2
County:	Hardin	Daily Factor Grp:	2
Funct Class:	R Local System	Axle Factor Grp:	09
Location:	047-KY-0253 -000 @ 2.000	From: KY 86 To:	Growth Factor Grp: 09

	Sun, Jul 12, 2020			Mon, Jul 13, 2020			Tue, Jul 14, 2020			Wed, Jul 15, 2020			Thu, Jul 16, 2020			Fri, Jul 17, 2020			Sat, Jul 18, 2020			
	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	
00:00							3			2			2									
01:00							1			2			0									
02:00							1			1			3									
03:00							0			0			3									
04:00							3			2			5									
05:00							7			10			10									
06:00							30			31			28									
07:00							31			29			31									
08:00							20			25			25									
09:00							31			26			18									
10:00							30			22			25									
11:00							22			20			32									
12:00							25			20			17									
13:00							23			40												
14:00				24			34			38												
15:00				33			33			41												
16:00				49			49			44												
17:00				55			59			58												
18:00				45			47			54												
19:00				38			45			35												
20:00				20			25			29												
21:00				18			19			15												
22:00				4			8			5												
23:00				3			4			3												
Total				289			550			552			199									
AM Peak Vol							34			34			36									
AM Peak Fct							.654			.708			.692									
AM Peak Hr							6: 15			6: 30			6: 45									
PM Peak Vol							67			64												
PM Peak Fct							.838			.696												
PM Peak Hr							17: 15			17: 15												
Seasonal Fct				.925			.925			.925			.925									
Daily Fct				.991			.982			.967			.960									
Axle Fct				.500			.500			.500			.500									
Pulse Fct				2.000			2.000			2.000			2.000									

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Short-term Hourly Traffic Volume for 04/09/2019 through 04/11/2019

Site names:	047C11	Seasonal Factor Grp:	3
County:	Hardin	Daily Factor Grp:	3
Funct Class:	U Minor Arterial	Axle Factor Grp:	16
Location:	047-KY-1357 -000 @ 15.200 From: KY 3005	Growth Factor Grp:	16

	Sun, Apr 7, 2019			Mon, Apr 8, 2019			Tue, Apr 9, 2019			Wed, Apr 10, 2019			Thu, Apr 11, 2019			Fri, Apr 12, 2019			Sat, Apr 13, 2019		
	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg
00:00										25			43								
01:00										13			16								
02:00										14			19								
03:00										15			23								
04:00										34			34								
05:00										91			91								
06:00										258			255								
07:00										732			755								
08:00										368			394								
09:00										296			290								
10:00										335			330								
11:00										381											
12:00								393		358											
13:00								388		392											
14:00								503		464											
15:00								513		505											
16:00								521		500											
17:00								544		545											
18:00								349		351											
19:00								288		239											
20:00								181		215											
21:00								118		153											
22:00								123		114											
23:00								60		67											
Total								3,981		6,465			2,250								
AM Peak Vol								0		732											
AM Peak Fct								0		.701											
AM Peak Hr								0: 00		7: 00											
PM Peak Vol								585		597											
PM Peak Fct								.871		.868											
PM Peak Hr								16: 30		16: 30											
Seasonal Fct								.966		.966			.966								
Daily Fct								.943		.935			.925								
Axle Fct								.493		.493			.493								
Pulse Fct								2.000		2.000			2.000								

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Short-term Hourly Traffic Volume for 05/08/2017 through 05/11/2017

Site names:	047099	Seasonal Factor Grp:	2
County:	Hardin	Daily Factor Grp:	2
Funct Class:	R Minor Collector	Axle Factor Grp:	08
Location:	047-KY-1357 -000 @ 13.600 From: THOMAS	Growth Factor Grp:	08

	Sun, May 7, 2017			Mon, May 8, 2017			Tue, May 9, 2017			Wed, May 10, 2017			Thu, May 11, 2017			Fri, May 12, 2017			Sat, May 13, 2017		
	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg
00:00							14			19			21								
01:00							13			12			17								
02:00							7			15			9								
03:00							13			5			10								
04:00							22			18			19								
05:00							54			54			53								
06:00							164			168			171								
07:00							311			298			303								
08:00							210			224			212								
09:00							167			139			168								
10:00							176			148			171								
11:00							155			151			156								
12:00							169			194			183								
13:00							179			180											
14:00				217			230			245											
15:00				260			274			253											
16:00				300			288			281											
17:00				373			348			371											
18:00				273			272			235											
19:00				197			167			204											
20:00				181			150			173											
21:00				113			115			122											
22:00				63			86			69											
23:00				32			43			36											
Total				2,009			3,627			3,614			1,493								
AM Peak Vol				0			311			298			303								
AM Peak Fct				0			1			1			1								
AM Peak Hr				:			7: 00			7: 00			7: 00								
PM Peak Vol				0			348			371			0								
PM Peak Fct				0			1			1			0								
PM Peak Hr				:			17: 00			17: 00			:								
Seasonal Fct				.955			.955			.955			.955								
Daily Fct				1.005			1.003			.995			.953								
Axle Fct				.489			.489			.489			.489								
Pulse Fct				2.000			2.000			2.000			2.000								

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Short-term Hourly Traffic Volume for 07/13/2020 through 07/16/2020

Site names:	047099	Seasonal Factor Grp:	2
County:	Hardin	Daily Factor Grp:	2
Funct Class:	R Minor Collector	Axle Factor Grp:	08
Location:	047-KY-1357 -000 @ 13.600 From: THOMAS	Growth Factor Grp:	08

	Sun, Jul 12, 2020			Mon, Jul 13, 2020			Tue, Jul 14, 2020			Wed, Jul 15, 2020			Thu, Jul 16, 2020			Fri, Jul 17, 2020			Sat, Jul 18, 2020			
	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	
00:00							14			15			15									
01:00							11			11			9									
02:00							8			12			9									
03:00							11			7			13									
04:00							15			24			18									
05:00							72			64			61									
06:00							123			124			128									
07:00							265			271			249									
08:00							197			211			195									
09:00							170			174			170									
10:00							203			170			211									
11:00							198			205			223									
12:00							211			221			227									
13:00							213			217												
14:00							215			239												
15:00				248			243			244												
16:00				306			284			314												
17:00				332			331			331												
18:00				251			242			218												
19:00				192			181			158												
20:00				154			145			145												
21:00				126			112			109												
22:00				55			74			68												
23:00				35			39			36												
Total				1,699			3,577			3,588			1,528									
AM Peak Vol							268			275			252									
AM Peak Fct							.859			.881			.778									
AM Peak Hr							7: 15			7: 15			7: 15									
PM Peak Vol							332			346												
PM Peak Fct							.814			.951												
PM Peak Hr							16: 30			16: 30												
Seasonal Fct				.925			.925			.925			.925									
Daily Fct				.991			.982			.967			.960									
Axle Fct				.494			.494			.494			.494									
Pulse Fct				2.000			2.000			2.000			2.000									

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Short-term Hourly Traffic Volume for 04/10/2018 through 04/12/2018

Site names:	047101	Seasonal Factor Grp:	2
County:	Hardin	Daily Factor Grp:	2
Funct Class:	R Minor Collector	Axle Factor Grp:	08
Location:	047-KY-1357 -000 @ 11.300 From: KY 1375	Growth Factor Grp:	08

	Sun, Apr 8, 2018			Mon, Apr 9, 2018			Tue, Apr 10, 2018			Wed, Apr 11, 2018			Thu, Apr 12, 2018			Fri, Apr 13, 2018			Sat, Apr 14, 2018			
	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	
00:00										7			11									
01:00										5			5									
02:00										4			5									
03:00										8			9									
04:00										6			7									
05:00										25			21									
06:00										72			73									
07:00										174			160									
08:00										127			130									
09:00										91			111									
10:00								99		100												
11:00								95		108												
12:00								102		133												
13:00								114		106												
14:00								121		147												
15:00								136		162												
16:00								183		162												
17:00								199		221												
18:00								134		131												
19:00								92		103												
20:00								73		86												
21:00								53		52												
22:00								30		31												
23:00								23		18												
Total								1,454		2,079			532									
AM Peak Vol								0		174			0									
AM Peak Fct								0		1			0									
AM Peak Hr								:		7: 00			:									
PM Peak Vol								199		221			0									
PM Peak Fct								1		1			0									
PM Peak Hr								17: 00		17: 00			:									
Seasonal Fct								.976		.976			.976									
Daily Fct								1.006		.962			.928									
Axle Fct								.493		.493			.493									
Pulse Fct								2.000		2.000			2.000									

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Short-term Hourly Traffic Volume for 08/03/2021 through 08/05/2021

Site names:	047101	Seasonal Factor Grp:	2
County:	Hardin	Daily Factor Grp:	2
Funct Class:	R Minor Collector	Axle Factor Grp:	08
Location:	047-KY-1357 -000 @ 11.300 From: KY 1375	Growth Factor Grp:	08

	Sun, Aug 1, 2021			Mon, Aug 2, 2021			Tue, Aug 3, 2021			Wed, Aug 4, 2021			Thu, Aug 5, 2021			Fri, Aug 6, 2021			Sat, Aug 7, 2021		
	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg
00:00										10			7								
01:00										5			8								
02:00										6			4								
03:00										7			11								
04:00										7			5								
05:00										42			32								
06:00										73			81								
07:00										157			158								
08:00										86			102								
09:00										112			115								
10:00										103			92								
11:00										106			109								
12:00										124			153								
13:00										133			135								
14:00										145											
15:00								152		160											
16:00								182		186											
17:00								180		196											
18:00								144		129											
19:00								103		103											
20:00								73		133											
21:00								68		49											
22:00								27		25											
23:00								22		14											
Total								951		2,111			1,012								
AM Peak Vol										157			158								
AM Peak Fct										.872			.775								
AM Peak Hr										7: 00			7: 00								
PM Peak Vol										201											
PM Peak Fct										.897											
PM Peak Hr										16: 45											
Seasonal Fct								.923		.923			.923								
Daily Fct								.976		.968			.948								
Axle Fct								.495		.495			.495								
Pulse Fct								2.000		2.000			2.000								

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Short-term Hourly Traffic Volume for 04/30/2019 through 05/03/2019

Site names: 047756 Seasonal Factor Grp: 2
 County: Hardin Daily Factor Grp: 2
 Funct Class: R Minor Collector Axle Factor Grp: 08
 Location: 047-KY-1357 -000 @ 6.800 From: HOWE Growth Factor Grp: 08

	Sun, Apr 28, 2019			Mon, Apr 29, 2019			Tue, Apr 30, 2019			Wed, May 1, 2019			Thu, May 2, 2019			Fri, May 3, 2019			Sat, May 4, 2019		
	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg
00:00										9			7			9					
01:00										5			4			9					
02:00										8			0			4					
03:00										1			7			0					
04:00										8			5			9					
05:00										15			22			12					
06:00										46			37			34					
07:00										87			78			51					
08:00										55			48			24					
09:00										51			49			45					
10:00										54			60			39					
11:00										36			44			53					
12:00										57			50			57					
13:00										52			50								
14:00								81				74			73						
15:00								74				78			73						
16:00								89				73			60						
17:00								100				109			109						
18:00								60				67			79						
19:00								56				48			43						
20:00								43				37			51						
21:00								42				31			31						
22:00								22				19			21						
23:00								19				16			13						
Total								586				1,036			1,014				346		
AM Peak Vol												87			78				53		
AM Peak Fct												.837			.78				.663		
AM Peak Hr												7: 00			7: 00				11: 00		
PM Peak Vol												109			109						
PM Peak Fct												.879			.801						
PM Peak Hr												17: 00			17: 00						
Seasonal Fct								.964				.931			.931				.931		
Daily Fct								.967				.982			.970				.863		
Axle Fct								.494				.494			.494				.494		
Pulse Fct								2.000				2.000			2.000				2.000		

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Count Class Distribution for 09/29/2020 through 10/02/2020

Site names: 047B22
 County: Hardin
 Funct Class: U Minor Arterial
 Location: 047-KY-3005 -000 @ 2.108 From: US 62 To: KY 1357

Seasonal Factor Grp: 3
 Daily Factor Grp: 3
 Axle Factor Grp: 16
 Growth Factor Grp: 16

	Road	Pos	Neg
MC	141 .28%	78 .30%	63 .25%
CAR	32,806 64.52%	15,895 61.08%	16,911 68.13%
PU	13,008 25.58%	7,509 28.86%	5,499 22.15%
BUS	336 .66%	194 .75%	142 .57%
2D	2,148 4.22%	1,391 5.35%	757 3.05%
SU 3	682 1.34%	134 .51%	548 2.21%
SU 4+	254 .50%	109 .42%	145 .58%
ST 4-	643 1.26%	335 1.29%	308 1.24%
ST 5	483 .95%	272 1.05%	211 .85%
ST 6+	170 .33%	56 .22%	114 .46%
MT 5-	15 .03%	7 .03%	8 .03%
MT 6	2 .00%	1 .00%	1 .00%
MT 7+	90 .18%	21 .08%	69 .28%
NA	0 .00%	0 .00%	0 .00%
UNCLS	65 .13%	20 .08%	45 .18%
Trucks	4,823 9.49%	2,520 9.68%	2,303 9.28%
Combo Trucks	1,403 2.76%	692 2.66%	711 2.86%
Classified	50,778 99.87%	26,002 99.92%	24,776 99.82%
Unclassified	65 .13%	20 .08%	45 .18%
Total	50,843 100.00%	26,022 100.00%	24,821 100.00%

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Short-term Hourly Traffic Volume for 08/31/2016 through 09/02/2016

Site names:	047B22	Seasonal Factor Grp:	3
County:	Hardin	Daily Factor Grp:	3
Funct Class:	U Minor Arterial	Axle Factor Grp:	16
Location:	047-KY-3005 -000 @ 2.108	From: US 62 To: Growth Factor Grp:	16

	Sun, Aug 28, 2016			Mon, Aug 29, 2016			Tue, Aug 30, 2016			Wed, Aug 31, 2016			Thu, Sep 1, 2016			Fri, Sep 2, 2016			Sat, Sep 3, 2016		
	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg
00:00													126	72	54	113	57	56			
01:00													64	33	31	68	33	35			
02:00													91	36	55	94	38	56			
03:00													91	51	40	74	49	25			
04:00													115	44	71	142	61	81			
05:00													441	158	283	401	133	268			
06:00													1,170	573	597	1,031	507	524			
07:00													1,453	839	614	1,205	736	469			
08:00													1,117	637	480	854	482	372			
09:00													754	432	322	766	426	340			
10:00													838	456	382	886	484	402			
11:00													974	563	411						
12:00									1,158	586	572	1,157	592	565							
13:00									1,168	521	647	1,108	526	582							
14:00									1,450	749	701	1,454	701	753							
15:00									1,413	803	610	1,570	876	694							
16:00									1,269	631	638	1,362	699	663							
17:00									1,440	759	681	1,550	785	765							
18:00									1,031	495	536	1,108	557	551							
19:00									745	387	358	866	433	433							
20:00									601	250	351	641	271	370							
21:00									479	136	343	645	248	397							
22:00									654	279	375	676	298	378							
23:00									332	241	91	396	282	114							
Total									11,740	5,837	5,903	19,767	10,162	9,605	5,634	3,006	2,628				
AM Peak Vol									0	0	0	1,453	839	614	0	0	0				
AM Peak Fct									0	0	0	1	1	1	0	0	0				
AM Peak Hr									:	:	:	7: 00	7: 00	7: 00	:	:	:				
PM Peak Vol									1,450	803	701	1,570	876	765	0	0	0				
PM Peak Fct									1	1	1	1	1	1	0	0	0				
PM Peak Hr									14: 00	15: 00	14: 00	15: 00	15: 00	17: 00	:	:	:				
Seasonal Fct									.956	.956	.956	.980	.980	.980	.980	.980	.980				
Daily Fct									.950	.950	.950	.921	.921	.921	.875	.875	.875				
Axle Fct									.500	.500	.500	.500	.500	.500	.500	.500	.500				
Pulse Fct									2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000				

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Short-term Hourly Traffic Volume for 09/29/2020 through 10/02/2020

Site names:	047B22	Seasonal Factor Grp:	3
County:	Hardin	Daily Factor Grp:	3
Funct Class:	U Minor Arterial	Axle Factor Grp:	16
Location:	047-KY-3005 -000 @ 2.108	From: US 62 To: Growth Factor Grp:	16

	Sun, Sep 27, 2020			Mon, Sep 28, 2020			Tue, Sep 29, 2020			Wed, Sep 30, 2020			Thu, Oct 1, 2020			Fri, Oct 2, 2020			Sat, Oct 3, 2020		
	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg
00:00										77	42	35	62	28	34	72	29	43			
01:00										74	45	29	89	53	36	85	46	39			
02:00										68	39	29	77	42	35	69	41	28			
03:00										44	19	25	59	25	34	73	35	38			
04:00										106	52	54	95	46	49	118	63	55			
05:00										539	151	388	524	146	378	512	149	363			
06:00										1,043	599	444	1,059	611	448	968	567	401			
07:00										1,145	651	494	1,236	673	563	1,159	657	502			
08:00										790	457	333	895	533	362	811	481	330			
09:00										719	406	313	689	394	295	681	402	279			
10:00										742	417	325	782	449	333						
11:00							970	537	433	885	500	385	930	507	423						
12:00							1,015	516	499	1,087	545	542	1,109	571	538						
13:00							1,038	521	517	1,007	477	530	1,004	504	500						
14:00							1,106	587	519	1,063	557	506	1,102	526	576						
15:00							1,384	785	599	1,285	691	594	1,434	784	650						
16:00							1,438	739	699	1,427	762	665	1,475	793	682						
17:00							1,361	614	747	1,431	644	787	1,496	700	796						
18:00							1,015	455	560	1,045	503	542	1,028	486	542						
19:00							826	388	438	857	373	484	869	399	470						
20:00							536	279	257	477	206	271	525	248	277						
21:00							344	107	237	395	143	252	409	121	288						
22:00							258	119	139	269	115	154	318	150	168						
23:00							169	112	57	163	124	39	190	131	59						
Total							11,460	5,759	5,701	16,738	8,518	8,220	17,456	8,920	8,536	4,548	2,470	2,078			
AM Peak Vol										1,218	718	500	1,268	733	570						
AM Peak Fct										.865	.851	.856	.85	.811	.814						
AM Peak Hr										6: 30	6: 30	6: 30	6: 45	6: 45	7: 15						
PM Peak Vol							1,473	795	747	1,472	769	787	1,630	824	817						
PM Peak Fct							.928	.789	.898	.966	.898	.911	.975	.789	.884						
PM Peak Hr							16: 30	15: 15	17: 00	16: 30	16: 15	17: 00	16: 30	16: 30	16: 45						
Seasonal Fct							.937	.937	.937	.937	.937	.937	.944	.944	.944	.944	.944	.944			
Daily Fct							.952	.952	.952	.945	.945	.945	.930	.930	.930	.867	.867	.867			
Axle Fct							.500	.500	.500	.500	.500	.500	.500	.500	.500	.500	.500	.500			
Pulse Fct							2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000			

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Short-term Hourly Traffic Volume for 09/18/2018 through 09/21/2018

Site names:	047B80	Seasonal Factor Grp:	3
County:	Hardin	Daily Factor Grp:	3
Funct Class:	U Minor Arterial	Axle Factor Grp:	16
Location:	047-KY-3005 -000 @ 4.008 From: KY 1357	Growth Factor Grp:	16

	Sun, Sep 16, 2018			Mon, Sep 17, 2018			Tue, Sep 18, 2018			Wed, Sep 19, 2018			Thu, Sep 20, 2018			Fri, Sep 21, 2018			Sat, Sep 22, 2018		
	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg
00:00										108	56	52	102	58	44	102	60	42			
01:00										77	31	46	65	25	40	75	37	38			
02:00										90	44	46	75	31	44	103	53	50			
03:00										76	39	37	70	39	31	80	40	40			
04:00										98	41	57	132	70	62	126	59	67			
05:00										387	113	274	384	129	255	378	132	246			
06:00										1,096	470	626	1,116	481	635	1,079	474	605			
07:00										1,592	939	653	1,644	974	670	1,605	933	672			
08:00										1,157	681	476	1,175	653	522	1,233	729	504			
09:00										933	518	415	884	506	378	1,005	550	455			
10:00										1,093	579	514	1,031	604	427						
11:00										1,092	600	492	1,176	664	512						
12:00										1,326	665	661	1,244	660	584						
13:00										1,270	608	662	1,310	537	773						
14:00							1,485	742	743	1,593	816	777	1,606	816	790						
15:00							1,609	843	766	1,571	851	720	1,666	912	754						
16:00							1,527	797	730	1,519	764	755	1,513	782	731						
17:00							1,814	825	989	1,697	864	833	1,765	863	902						
18:00							1,161	516	645	1,190	550	640	1,133	480	653						
19:00							1,064	551	513	869	393	476	969	473	496						
20:00							674	320	354	657	274	383	741	352	389						
21:00							513	235	278	434	142	292	535	178	357						
22:00							586	265	321	587	253	334	633	289	344						
23:00							267	185	82	267	176	91	285	179	106						
Total							10,700	5,279	5,421	20,779	10,467	10,312	21,254	10,755	10,499	5,786	3,067	2,719			
AM Peak Vol										1,592	939	653	1,644	974	670						
AM Peak Fct										1	1	1	1	1	1						
AM Peak Hr										7: 00	7: 00	7: 00	7: 00	7: 00	7: 00						
PM Peak Vol										1,697	864	833	1,765	912	902						
PM Peak Fct										1	1	1	1	1	1						
PM Peak Hr										17: 00	17: 00	17: 00	17: 00	15: 00	17: 00						
Seasonal Fct							.976	.976	.976	.976	.976	.976	.976	.976	.976	.976	.976	.976			
Daily Fct							.940	.940	.940	.932	.932	.932	.920	.920	.920	.857	.857	.857			
Axle Fct							.471	.471	.471	.471	.471	.471	.471	.471	.471	.471	.471	.471			
Pulse Fct							2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000			

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Short-term Hourly Traffic Volume for 10/27/2021 through 10/29/2021

Site names:	047B80	Seasonal Factor Grp:	3
County:	Hardin	Daily Factor Grp:	3
Funct Class:	U Minor Arterial	Axle Factor Grp:	16
Location:	047-KY-3005 -000 @ 4.008 From: KY 1357	Growth Factor Grp:	16

	Sun, Oct 24, 2021			Mon, Oct 25, 2021			Tue, Oct 26, 2021			Wed, Oct 27, 2021			Thu, Oct 28, 2021			Fri, Oct 29, 2021			Sat, Oct 30, 2021		
	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg
00:00													68	41	27	84	53	31			
01:00													68	19	49	66	24	42			
02:00													51	22	29	69	40	29			
03:00													80	49	31	64	40	24			
04:00													111	39	72	113	43	70			
05:00													486	136	350	438	123	315			
06:00													1,043	508	535	971	489	482			
07:00													1,357	764	593	1,322	749	573			
08:00													1,062	632	430	992	601	391			
09:00													858	493	365	799	474	325			
10:00													953	527	426	992	569	423			
11:00									1,150	629	521	1,180	657	523							
12:00									1,265	653	612	1,231	650	581							
13:00									1,257	581	676	1,224	551	673							
14:00									1,471	764	707	1,439	753	686							
15:00									1,731	978	753	1,646	958	688							
16:00									1,692	902	790	1,615	855	760							
17:00									1,738	792	946	1,613	734	879							
18:00									1,234	577	657	1,207	543	664							
19:00									962	438	524	944	452	492							
20:00									547	207	340	598	242	356							
21:00									478	127	351	480	148	332							
22:00									278	119	159	314	128	186							
23:00									171	113	58	162	105	57							
Total									13,974	6,880	7,094	19,790	10,006	9,784	5,910	3,205	2,705				
AM Peak Vol												1,357	766	593							
AM Peak Fct												.964	.953	.877							
AM Peak Hr												7: 00	6: 45	7: 00							
PM Peak Vol									1,837	1,000	946	1,703	975	880							
PM Peak Fct									.88	.772	.977	.896	.813	.902							
PM Peak Hr									16: 30	15: 15	17: 00	15: 30	15: 30	16: 45							
Seasonal Fct									.959	.959	.959	.959	.959	.959	.959	.959	.959	.959			
Daily Fct									.951	.951	.951	.939	.939	.939	.879	.879	.879	.879			
Axle Fct									.493	.493	.493	.493	.493	.493	.493	.493	.493	.493			
Pulse Fct									2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000			

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Count Class Distribution for 10/01/2019 through 10/04/2019

Site names: 047C24
 County: Hardin
 Funct Class: U Minor Arterial
 Location: 047-US-0062 -000 @ 14.800 From: KY 3005 (RING ROAD WEST)

Seasonal Factor Grp: 3
 Daily Factor Grp: 3
 Axle Factor Grp: 16
 Growth Factor Grp: 16

	Road	Pos	Neg
MC	307 .94%	114 .70%	193 1.18%
CAR	22,208 68.25%	11,237 69.31%	11,007 67.17%
PU	7,415 22.79%	3,540 21.83%	3,890 23.74%
BUS	412 1.27%	240 1.48%	172 1.05%
2D	850 2.61%	363 2.24%	491 3.00%
SU 3	229 .70%	113 .70%	118 .72%
SU 4+	125 .38%	96 .59%	29 .18%
ST 4-	288 .89%	145 .89%	144 .88%
ST 5	602 1.85%	303 1.87%	301 1.84%
ST 6+	49 .15%	29 .18%	20 .12%
MT 5-	1 .00%	1 .01%	0 .00%
MT 6	12 .04%	7 .04%	5 .03%
MT 7+	25 .08%	14 .09%	11 .07%
NA	0 .00%	0 .00%	0 .00%
UNCLS	17 .05%	11 .07%	6 .04%
Trucks	2,593 7.97%	1,311 8.09%	1,291 7.88%
Combo Trucks	977 3.00%	499 3.08%	481 2.94%
Classified	32,523 99.95%	16,202 99.93%	16,381 99.96%
Unclassified	17 .05%	11 .07%	6 .04%
Total	32,540 100.00%	16,213 100.00%	16,387 100.00%

Kentucky Transportation Cabinet

Count Class Distribution for 08/17/2021 through 08/20/2021

Site names: 047328
 County: Hardin
 Funct Class: U Minor Arterial
 Location: 047-US-0062 -000 @ 13.000 From: KY 86 To: KY 3005 (RING)

Seasonal Factor Grp: 3
 Daily Factor Grp: 3
 Axle Factor Grp: 16
 Growth Factor Grp: 16

	Road	Pos	Neg
MC	126 .41%	68 .44%	58 .38%
CAR	20,072 65.52%	9,767 63.81%	10,305 67.23%
PU	7,817 25.52%	4,078 26.64%	3,739 24.39%
BUS	298 .97%	140 .91%	158 1.03%
2D	1,284 4.19%	701 4.58%	583 3.80%
SU 3	201 .66%	62 .41%	139 .91%
SU 4+	99 .32%	71 .46%	28 .18%
ST 4-	307 1.00%	170 1.11%	137 .89%
ST 5	332 1.08%	190 1.24%	142 .93%
ST 6+	59 .19%	33 .22%	26 .17%
MT 5-	7 .02%	5 .03%	2 .01%
MT 6	0 .00%	0 .00%	0 .00%
MT 7+	27 .09%	16 .10%	11 .07%
NA	0 .00%	0 .00%	0 .00%
UNCLS	6 .02%	5 .03%	1 .01%
Trucks	2,614 8.53%	1,388 9.07%	1,226 8.00%
Combo Trucks	732 2.39%	414 2.70%	318 2.07%
Classified	30,629 99.98%	15,301 99.97%	15,328 99.99%
Unclassified	6 .02%	5 .03%	1 .01%
Total	30,635 100.00%	15,306 100.00%	15,329 100.00%

Kentucky Transportation Cabinet

Count Class Distribution for 10/08/2018 through 10/12/2018

Site names: 047328
 County: Hardin
 Funct Class: U Minor Arterial
 Location: 047-US-0062 -000 @ 13.000 From: KY 86 To: KY 3005 (RING)

Seasonal Factor Grp: 3
 Daily Factor Grp: 3
 Axle Factor Grp: 16
 Growth Factor Grp: 16

	Road	Pos	Neg
MC	168 .36%	75 .33%	93 .40%
CAR	30,485 65.64%	14,612 63.41%	15,873 67.83%
PU	12,022 25.88%	6,381 27.69%	5,641 24.11%
BUS	432 .93%	215 .93%	217 .93%
2D	1,816 3.91%	988 4.29%	828 3.54%
SU 3	334 .72%	88 .38%	246 1.05%
SU 4+	260 .56%	202 .88%	58 .25%
ST 4-	516 1.11%	271 1.18%	245 1.05%
ST 5	342 .74%	170 .74%	172 .74%
ST 6+	36 .08%	22 .10%	14 .06%
MT 5-	13 .03%	5 .02%	8 .03%
MT 6	1 .00%	1 .00%	0 .00%
MT 7+	17 .04%	12 .05%	5 .02%
NA	0 .00%	0 .00%	0 .00%
UNCLS	4 .01%	3 .01%	1 .00%
Trucks	3,767 8.11%	1,974 8.57%	1,793 7.66%
Combo Trucks	925 1.99%	481 2.09%	444 1.90%
Classified	46,442 99.99%	23,042 99.99%	23,400 100.00%
Unclassified	4 .01%	3 .01%	1 .00%
Total	46,446 100.00%	23,045 100.00%	23,401 100.00%

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Short-term Hourly Traffic Volume for 10/01/2019 through 10/04/2019

Site names:	047C24	Seasonal Factor Grp:	3
County:	Hardin	Daily Factor Grp:	3
Funct Class:	U Minor Arterial	Axle Factor Grp:	16
Location:	047-US-0062 -000 @ 14.800 From: KY 3005	Growth Factor Grp:	16

	Sun, Sep 29, 2019			Mon, Sep 30, 2019			Tue, Oct 1, 2019			Wed, Oct 2, 2019			Thu, Oct 3, 2019			Fri, Oct 4, 2019			Sat, Oct 5, 2019		
	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg
00:00										59	27	32	72	35	37	88	43	45			
01:00										54	27	27	64	27	37	61	29	32			
02:00										64	33	31	60	23	37	53	25	28			
03:00										41	18	23	49	27	22	61	31	30			
04:00										89	52	37	83	49	34	92	60	32			
05:00										241	109	132	242	101	141	247	107	140			
06:00										555	223	332	562	252	310	555	240	315			
07:00										908	563	345	877	560	317	895	551	344			
08:00										761	420	341	771	423	348	778	431	347			
09:00										521	271	250	496	265	231			248			
10:00										543	273	270	516	224	292						
11:00										661	322	339	699	360	339						
12:00										722	341	381	773	357	416						
13:00							654	289	365	604	265	339	626	284	342						
14:00							701	328	373	706	343	363	703	347	356						
15:00							954	509	445	953	479	474	955	490	465						
16:00							764	342	422	811	395	416	890	398	492						
17:00							894	415	479	947	482	465	941	447	494						
18:00							663	303	360	569	257	312	677	298	379						
19:00							561	288	273	449	209	240	614	316	298						
20:00							419	232	187	309	116	193	408	175	233						
21:00							249	110	139	191	67	124	418	275	143						
22:00							220	101	119	221	101	120	367	230	137						
23:00							105	59	46	138	72	66	143	77	66						
Total							6,184	2,976	3,208	11,117	5,465	5,652	12,006	6,040	5,966	2,830	1,517	1,561			
AM Peak Vol										1,029	607	445	1,024	591	445						
AM Peak Fct										.814	.816	.856	.918	.869	.904						
AM Peak Hr										7: 30	7: 15	7: 30	7: 30	7: 15	7: 30						
PM Peak Vol										971	482	492	995	490	535						
PM Peak Fct										.806	.803	.815	.765	.712	.874						
PM Peak Hr										15: 15	17: 00	15: 15	15: 15	15: 00	15: 30						
Seasonal Fct							.977	.977	.977	.977	.977	.977	.977	.977	.977	.977	.977	.977			
Daily Fct							.947	.947	.947	.955	.955	.955	.931	.931	.931	.871	.871	.871			
Axle Fct							.500	.500	.500	.500	.500	.500	.500	.500	.500	.500	.500	.500			
Pulse Fct							2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000			

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Short-term Hourly Traffic Volume for 08/17/2021 through 08/20/2021

Site names:	047328	Seasonal Factor Grp:	3
County:	Hardin	Daily Factor Grp:	3
Funct Class:	U Minor Arterial	Axle Factor Grp:	16
Location:	047-US-0062 -000 @ 13.000	From: KY 86 To:	Growth Factor Grp: 16

	Sun, Aug 15, 2021			Mon, Aug 16, 2021			Tue, Aug 17, 2021			Wed, Aug 18, 2021			Thu, Aug 19, 2021			Fri, Aug 20, 2021			Sat, Aug 21, 2021		
	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg
00:00										99	35	64	98	33	65	114	36	78			
01:00										51	10	41	43	12	31	39	9	30			
02:00										26	10	16	22	9	13	41	17	24			
03:00										37	15	22	32	10	22	23	8	15			
04:00										40	17	23	51	24	27	43	20	23			
05:00										72	62	10	82	69	13	81	74	7			
06:00										241	206	35	225	199	26	207	180	27			
07:00										558	414	144	538	390	148	480	355	125			
08:00										865	582	283	832	568	264	787	504	283			
09:00										616	414	202	620	396	224	652	435	217			
10:00										472	290	182	454	269	185	501	309	192			
11:00										460	250	210	444	279	165	523	275	248			
12:00										563	302	261	512	266	246	598	309	289			
13:00										574	285	289	533	268	265						
14:00							586	291	295	572	276	296	539	276	263						
15:00							669	314	355	656	289	367	695	314	381						
16:00							818	361	457	846	357	489	805	339	466						
17:00							773	271	502	785	270	515	843	285	558						
18:00							831	297	534	853	292	561	819	307	512						
19:00							652	240	412	615	246	369	579	234	345						
20:00							453	180	273	455	175	280	499	179	320						
21:00							373	141	232	375	173	202	394	145	249						
22:00							204	82	122	198	75	123	264	105	159						
23:00							164	69	95	141	59	82	185	74	111						
Total							5,523	2,246	3,277	10,170	5,104	5,066	10,108	5,050	5,058	4,089	2,531	1,558			
AM Peak Vol										878	614	283	859	599	264	835	561	283			
AM Peak Fct										.864	.843	.884	.938	.942	.904	.924	.935	.863			
AM Peak Hr										8: 15	8: 15	8: 00	8: 15	8: 15	7: 45	8: 15	8: 15	8: 00			
PM Peak Vol										858	357	586	891	348	571						
PM Peak Fct										.868	.85	.828	.86	.731	.945						
PM Peak Hr										17: 45	16: 00	17: 30	16: 30	16: 30	17: 30						
Seasonal Fct							.952	.952	.952	.952	.952	.952	.952	.952	.952	.952	.952	.952			
Daily Fct							.957	.957	.957	.941	.941	.941	.921	.921	.921	.901	.901	.901			
Axle Fct							.500	.500	.500	.500	.500	.500	.500	.500	.500	.500	.500	.500			
Pulse Fct							2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000			

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Kentucky Transportation Cabinet

Short-term Hourly Traffic Volume for 05/02/2017 through 05/04/2017

Site names:	047354	Seasonal Factor Grp:	2
County:	Hardin	Daily Factor Grp:	2
Funct Class:	R Major Collector	Axle Factor Grp:	07
Location:	047-US-0062 -000 @ 11.800 From: KY 1375	Growth Factor Grp:	07

	Sun, Apr 30, 2017			Mon, May 1, 2017			Tue, May 2, 2017			Wed, May 3, 2017			Thu, May 4, 2017			Fri, May 5, 2017			Sat, May 6, 2017			
	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	
00:00										43			38									
01:00										21			24									
02:00										12			20									
03:00										15			15									
04:00										47			46									
05:00										136			134									
06:00										404			374									
07:00										521			500									
08:00										517			485									
09:00										282			290									
10:00										304			270									
11:00										346			323									
12:00										317												
13:00								368		397												
14:00								435		500												
15:00								577		667												
16:00								542		520												
17:00								601		571												
18:00								398		390												
19:00								283		317												
20:00								222		260												
21:00								240		168												
22:00								160		144												
23:00								74		67												
Total								3,900		6,966			2,519									
AM Peak Vol								0		521			500									
AM Peak Fct								0		1			1									
AM Peak Hr								:		7: 00			7: 00									
PM Peak Vol								0		667			0									
PM Peak Fct								0		1			0									
PM Peak Hr								:		15: 00			:									
Seasonal Fct								.955		.955			.955									
Daily Fct								1.003		.995			.953									
Axle Fct								.486		.486			.486									
Pulse Fct								2.000		2.000			2.000									

Kentucky Transportation Cabinet

Short-term Hourly Traffic Volume for 09/30/2020 through 10/02/2020

Site names:	047354	Seasonal Factor Grp:	2
County:	Hardin	Daily Factor Grp:	2
Funct Class:	R Major Collector	Axle Factor Grp:	07
Location:	047-US-0062 -000 @ 11.800 From: KY 1375	Growth Factor Grp:	07

	Sun, Sep 27, 2020			Mon, Sep 28, 2020			Tue, Sep 29, 2020			Wed, Sep 30, 2020			Thu, Oct 1, 2020			Fri, Oct 2, 2020			Sat, Oct 3, 2020		
	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg	Road	Pos	Neg
00:00													26			25					
01:00													25			17					
02:00													20			12					
03:00													17			17					
04:00													41			38					
05:00													139			115					
06:00													334			332					
07:00													554			515					
08:00													410			385					
09:00													252			283					
10:00													255			345					
11:00													294			385					
12:00													376			393					
13:00													317			374					
14:00													423			464					
15:00										591			610								
16:00										557			512								
17:00										557			517								
18:00										374			390								
19:00										288			281								
20:00										215			193								
21:00										118			141								
22:00										90			105								
23:00										39			65								
Total										2,829			6,297			3,700					
AM Peak Vol													605			549					
AM Peak Fct													.895			.94					
AM Peak Hr													7: 15			7: 15					
PM Peak Vol													619								
PM Peak Fct													.879								
PM Peak Hr													15: 15								
Seasonal Fct										.924			.941			.941					
Daily Fct										.986			.949			.860					
Axle Fct										.490			.487			.487					
Pulse Fct										2.000			2.000			2.000					

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Appendix B



TELESTO TRAFFIC IMPACT STUDY

Appendix B

B-1 – HIGHWAY CAPACITY SOFTWARE (HCS 7) FILES (EXISTING)



HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/13/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing AM
Project Description	KY 86	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	1056
Lane Width, ft	9	Shoulder Width, ft	4
Speed Limit, mi/h	55	Access Point Density, pts/mi	32.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	198	Opposing Demand Flow Rate, veh/h	155
Peak Hour Factor	0.94	Total Trucks, %	0.77
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.12

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	51.5
Speed Slope Coefficient (m)	3.02635	Speed Power Coefficient (p)	0.55293
PF Slope Coefficient (m)	-1.32088	PF Power Coefficient (p)	0.76057
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.2
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	1056	-	-	50.6

Vehicle Results

Average Speed, mi/h	50.6	Percent Followers, %	32.0
Segment Travel Time, minutes	0.24	Follower Density (FD), followers/mi/ln	1.2
Vehicle LOS	A		

Segment 2

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	7102
Lane Width, ft	9	Shoulder Width, ft	2
Speed Limit, mi/h	35	Access Point Density, pts/mi	38.5

Demand and Capacity

Directional Demand Flow Rate, veh/h	198	Opposing Demand Flow Rate, veh/h	155
Peak Hour Factor	0.94	Total Trucks, %	0.77

Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.12
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Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	25.6
Speed Slope Coefficient (m)	1.69428	Speed Power Coefficient (p)	0.55293
PF Slope Coefficient (m)	-1.12318	PF Power Coefficient (p)	0.68288
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	2.4
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

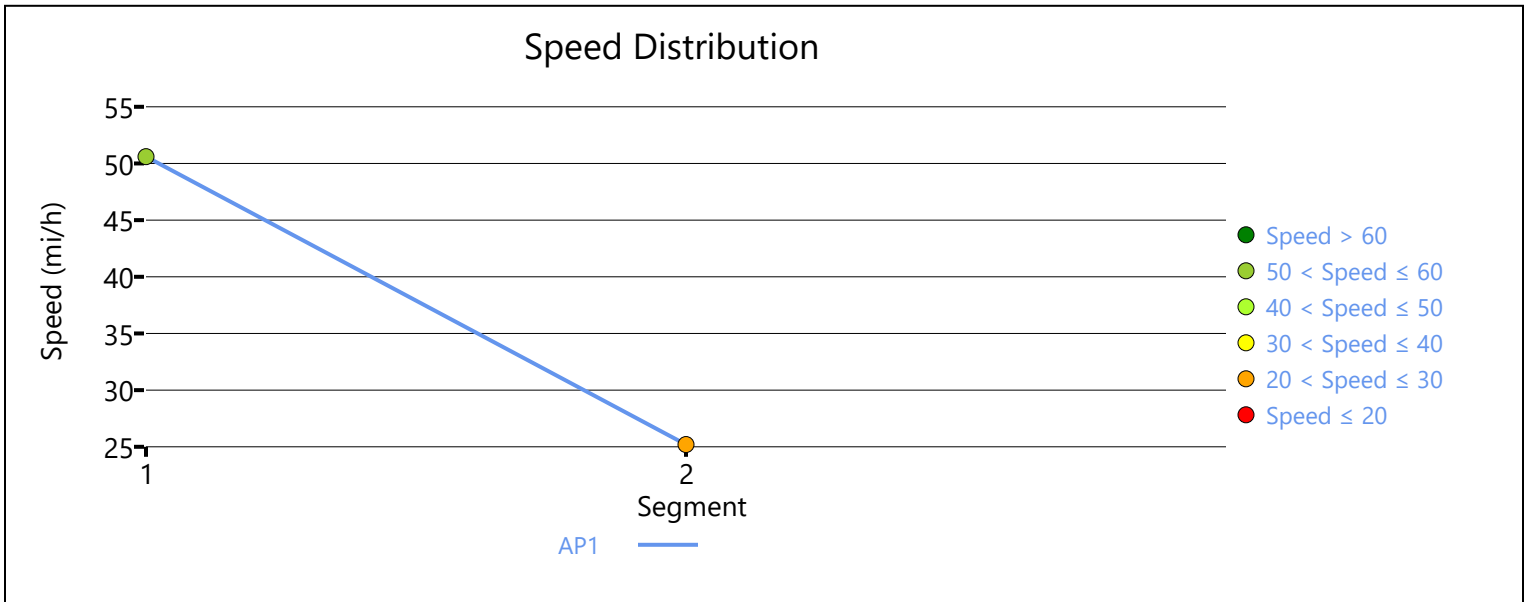
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	7102	-	-	25.2

Vehicle Results

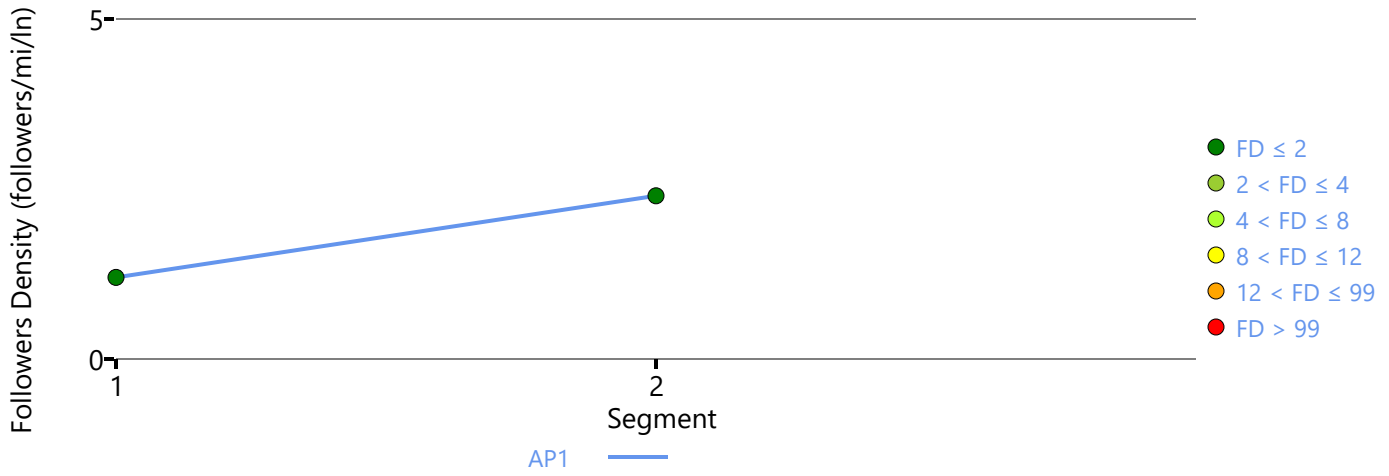
Average Speed, mi/h	25.2	Percent Followers, %	31.0
Segment Travel Time, minutes	3.21	Follower Density (FD), followers/mi/ln	2.4
Vehicle LOS	A		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	72	0.05	2.3	A



Followers Density Distribution



HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/13/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing PM
Project Description	KY 86	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	1056
Lane Width, ft	9	Shoulder Width, ft	4
Speed Limit, mi/h	55	Access Point Density, pts/mi	32.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	241	Opposing Demand Flow Rate, veh/h	191
Peak Hour Factor	0.94	Total Trucks, %	0.77
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.14

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	51.5
Speed Slope Coefficient (m)	3.04060	Speed Power Coefficient (p)	0.54167
PF Slope Coefficient (m)	-1.33263	PF Power Coefficient (p)	0.75810
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.7
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	1056	-	-	50.4

Vehicle Results

Average Speed, mi/h	50.4	Percent Followers, %	36.5
Segment Travel Time, minutes	0.24	Follower Density (FD), followers/mi/ln	1.7
Vehicle LOS	A		

Segment 2

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	7102
Lane Width, ft	9	Shoulder Width, ft	2
Speed Limit, mi/h	35	Access Point Density, pts/mi	38.5

Demand and Capacity

Directional Demand Flow Rate, veh/h	241	Opposing Demand Flow Rate, veh/h	191
Peak Hour Factor	0.94	Total Trucks, %	0.77

Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.14
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Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	25.6
Speed Slope Coefficient (m)	1.70853	Speed Power Coefficient (p)	0.54167
PF Slope Coefficient (m)	-1.13457	PF Power Coefficient (p)	0.67905
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	3.4
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

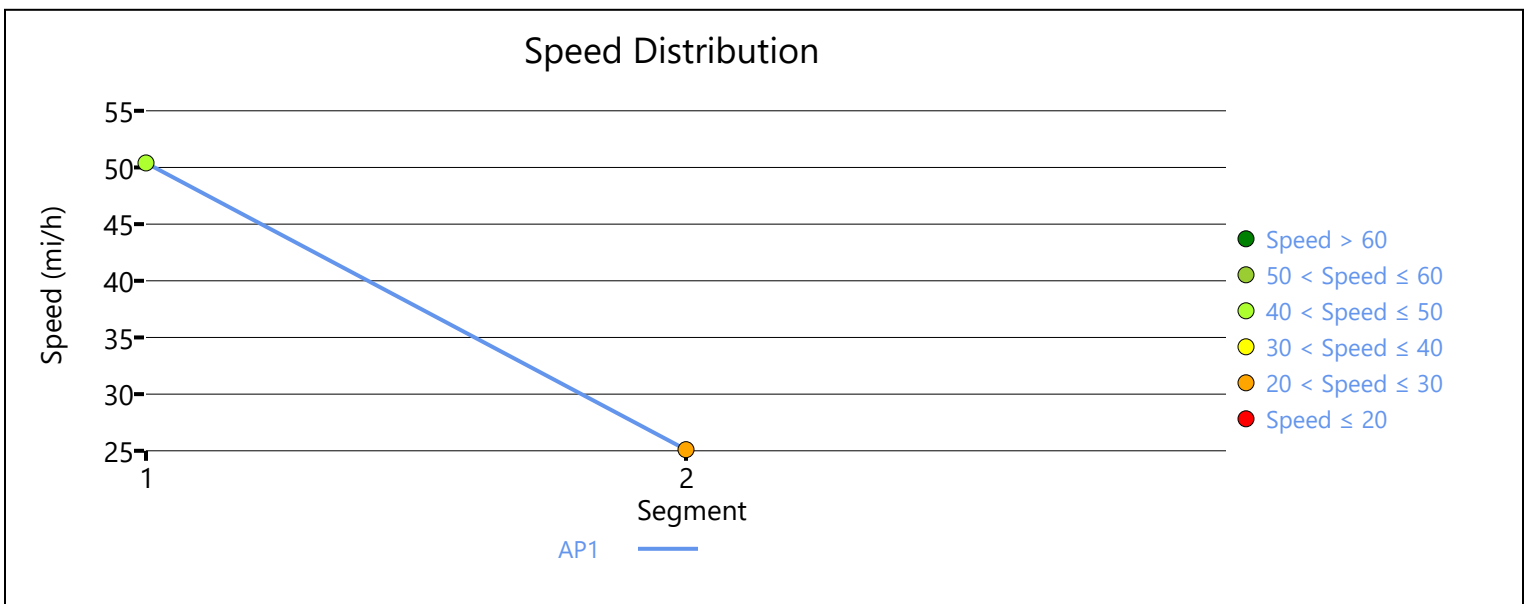
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	7102	-	-	25.1

Vehicle Results

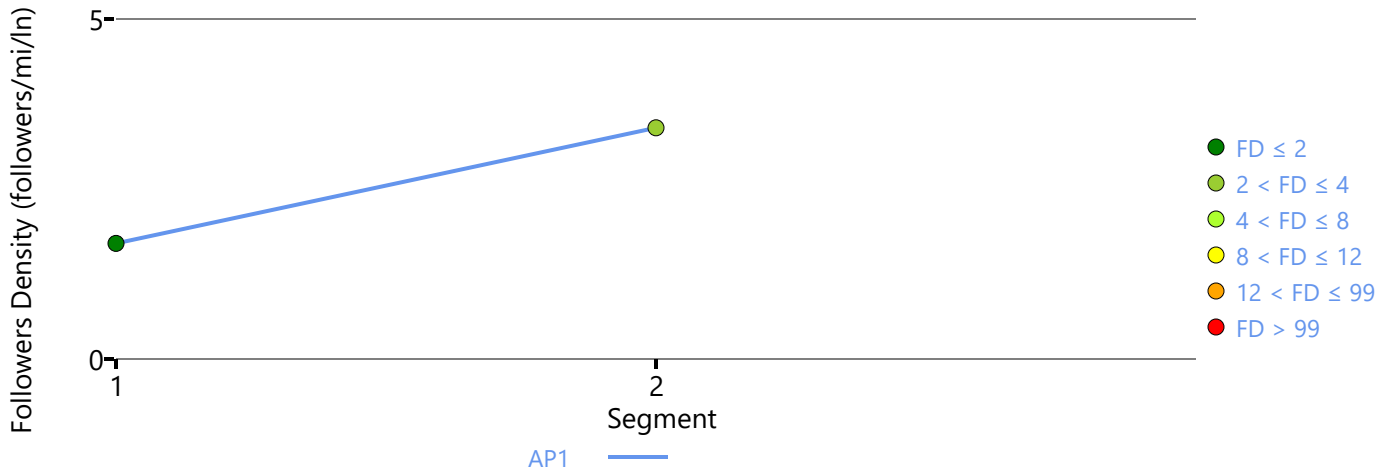
Average Speed, mi/h	25.1	Percent Followers, %	35.1
Segment Travel Time, minutes	3.22	Follower Density (FD), followers/mi/ln	3.4
Vehicle LOS	B		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	88	0.07	3.2	B



Followers Density Distribution



HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/13/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing AM
Project Description	KY 253	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	14304
Lane Width, ft	9	Shoulder Width, ft	4
Speed Limit, mi/h	55	Access Point Density, pts/mi	14.8

Demand and Capacity

Directional Demand Flow Rate, veh/h	20	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.01

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	55.7
Speed Slope Coefficient (m)	3.64793	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.38007	PF Power Coefficient (p)	0.68685
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.0
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	14304	-	-	55.7

Vehicle Results

Average Speed, mi/h	55.7	Percent Followers, %	9.0
Segment Travel Time, minutes	2.92	Follower Density (FD), followers/mi/ln	0.0
Vehicle LOS	A		

Segment 2

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	2344
Lane Width, ft	9	Shoulder Width, ft	4
Speed Limit, mi/h	35	Access Point Density, pts/mi	29.5

Demand and Capacity

Directional Demand Flow Rate, veh/h	20	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00

Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.01
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Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	29.2
Speed Slope Coefficient (m)	2.11110	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.41362	PF Power Coefficient (p)	0.63812
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.1
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

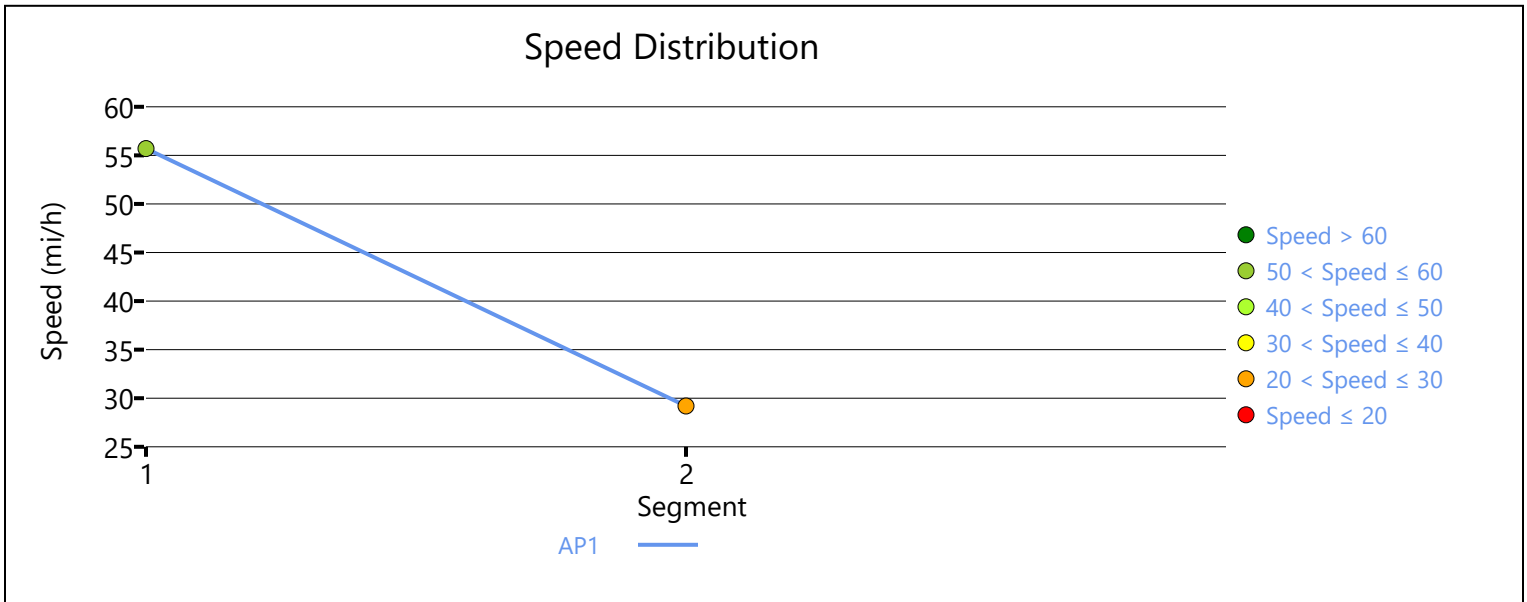
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2344	-	-	29.2

Vehicle Results

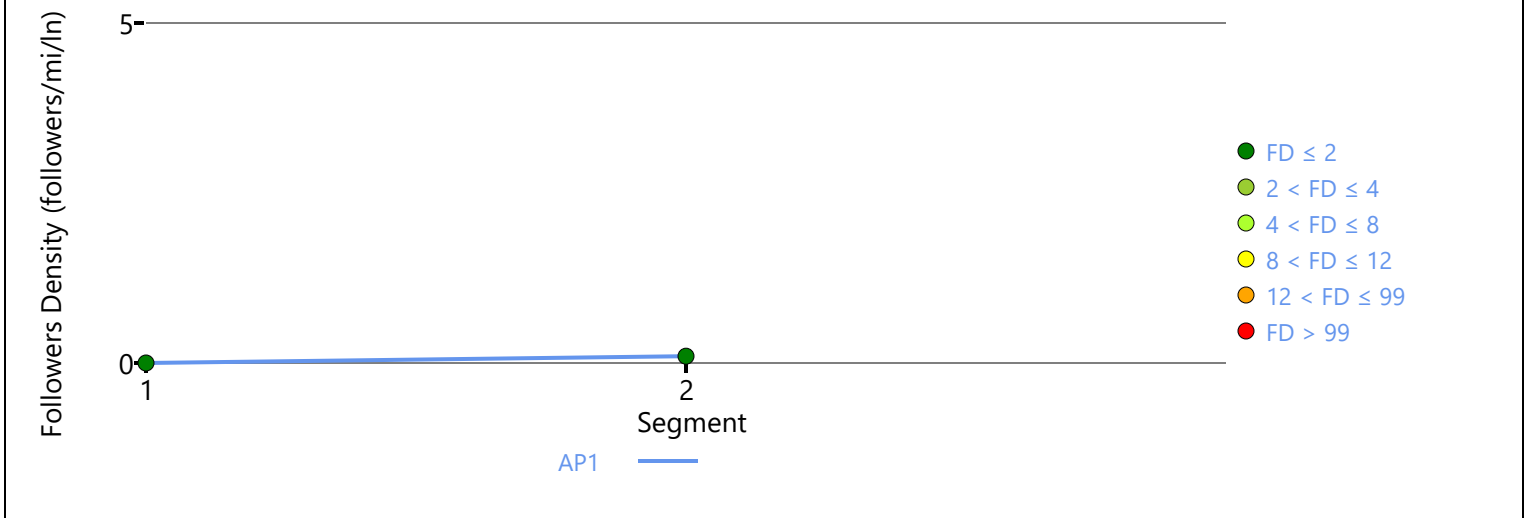
Average Speed, mi/h	29.2	Percent Followers, %	11.1
Segment Travel Time, minutes	0.91	Follower Density (FD), followers/mi/ln	0.1
Vehicle LOS	A		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	15	0.00	0.0	A



Followers Density Distribution



HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/13/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing PM
Project Description	KY 253	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	14304
Lane Width, ft	9	Shoulder Width, ft	4
Speed Limit, mi/h	55	Access Point Density, pts/mi	14.8

Demand and Capacity

Directional Demand Flow Rate, veh/h	31	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.02

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	55.7
Speed Slope Coefficient (m)	3.64793	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.38007	PF Power Coefficient (p)	0.68685
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.1
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	14304	-	-	55.7

Vehicle Results

Average Speed, mi/h	55.7	Percent Followers, %	11.9
Segment Travel Time, minutes	2.92	Follower Density (FD), followers/mi/ln	0.1
Vehicle LOS	A		

Segment 2

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	2344
Lane Width, ft	9	Shoulder Width, ft	4
Speed Limit, mi/h	35	Access Point Density, pts/mi	29.5

Demand and Capacity

Directional Demand Flow Rate, veh/h	31	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00

Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.02
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Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	29.2
Speed Slope Coefficient (m)	2.11110	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.41362	PF Power Coefficient (p)	0.63812
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.2
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

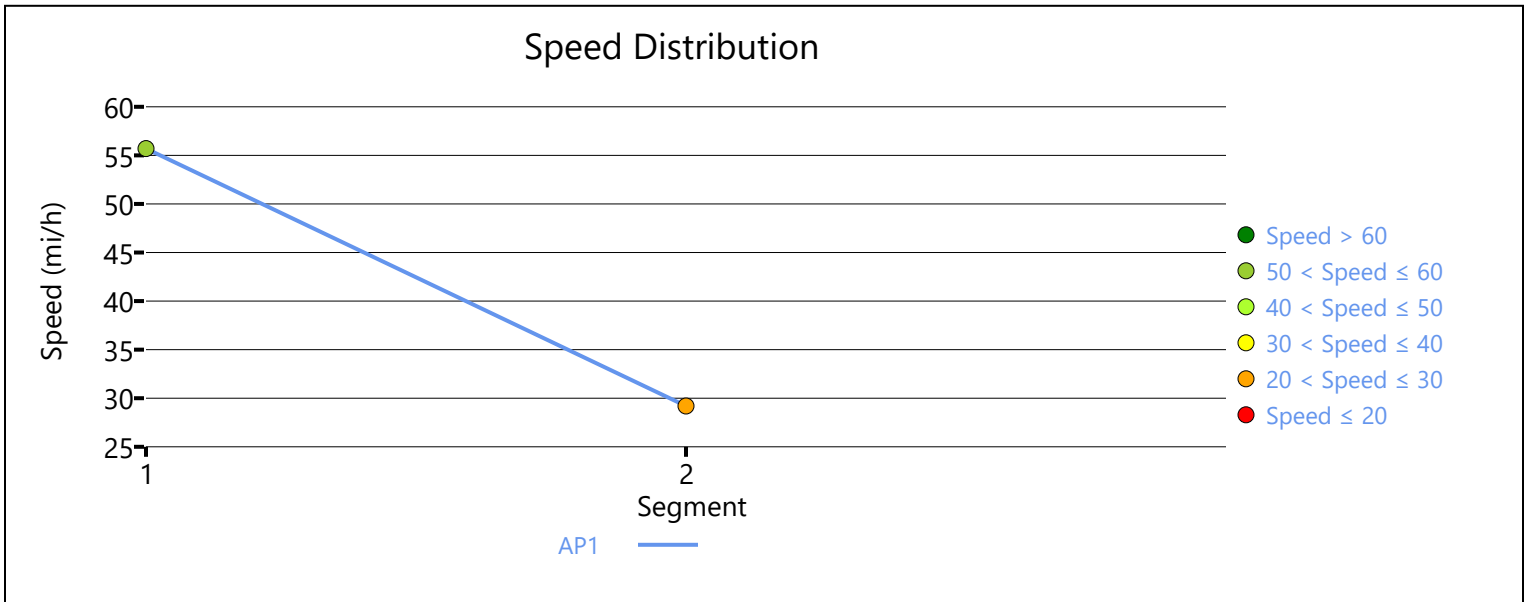
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2344	-	-	29.2

Vehicle Results

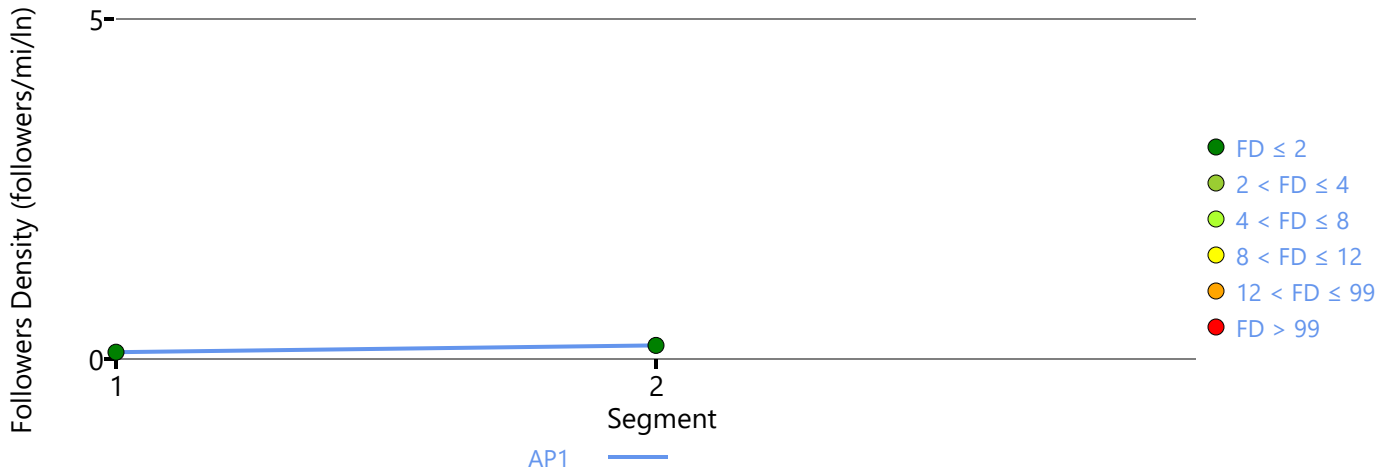
Average Speed, mi/h	29.2	Percent Followers, %	14.2
Segment Travel Time, minutes	0.91	Follower Density (FD), followers/mi/ln	0.2
Vehicle LOS	A		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	23	0.00	0.1	A



Followers Density Distribution



HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/13/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing AM
Project Description	KY 1357	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	755
Lane Width, ft	10	Shoulder Width, ft	5
Speed Limit, mi/h	45	Access Point Density, pts/mi	24.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	444	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.26

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	43.4
Speed Slope Coefficient (m)	2.85999	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.50122	PF Power Coefficient (p)	0.69001
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	6.1
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	755	-	-	41.5

Vehicle Results

Average Speed, mi/h	41.5	Percent Followers, %	57.5
Segment Travel Time, minutes	0.21	Follower Density (FD), followers/mi/ln	6.1
Vehicle LOS	C		

Segment 2

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	2524
Lane Width, ft	10	Shoulder Width, ft	1
Speed Limit, mi/h	45	Access Point Density, pts/mi	33.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	444	Opposing Demand Flow Rate, veh/h	348
Peak Hour Factor	0.94	Total Trucks, %	0.58

Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.26
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Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	38.3
Speed Slope Coefficient (m)	2.39784	Speed Power Coefficient (p)	0.50586
PF Slope Coefficient (m)	-1.31410	PF Power Coefficient (p)	0.71890
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	6.2
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2524	-	-	36.9

Vehicle Results

Average Speed, mi/h	36.9	Percent Followers, %	51.9
Segment Travel Time, minutes	0.78	Follower Density (FD), followers/mi/ln	6.2
Vehicle LOS	C		

Segment 3

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	739
Lane Width, ft	10	Shoulder Width, ft	1
Speed Limit, mi/h	45	Access Point Density, pts/mi	24.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	444	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.26

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	40.6
Speed Slope Coefficient (m)	2.70823	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.50514	PF Power Coefficient (p)	0.67930
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	6.6
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	576	-	-	38.8

Vehicle Results

Average Speed, mi/h	38.8	Percent Followers, %	58.0
Segment Travel Time, minutes	0.22	Follower Density (FD), followers/mi/ln	6.6
Vehicle LOS	C	Case	2022-00096

Segment 4

Vehicle Inputs			
Segment Type	Passing Zone	Length, ft	3078
Lane Width, ft	10	Shoulder Width, ft	5
Speed Limit, mi/h	55	Access Point Density, pts/mi	27.6

Demand and Capacity			
Directional Demand Flow Rate, veh/h	181	Opposing Demand Flow Rate, veh/h	143
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.11

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	53.9
Speed Slope Coefficient (m)	3.17869	Speed Power Coefficient (p)	0.55734
PF Slope Coefficient (m)	-1.24705	PF Power Coefficient (p)	0.79167
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.9
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data					
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	3078	-	-	53.1

Vehicle Results			
Average Speed, mi/h	53.1	Percent Followers, %	27.5
Segment Travel Time, minutes	0.66	Follower Density (FD), followers/mi/ln	0.9
Vehicle LOS	A		

Segment 5

Vehicle Inputs			
Segment Type	Passing Constrained	Length, ft	5317
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	12.9

Demand and Capacity			
Directional Demand Flow Rate, veh/h	181	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.11

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	54.1
Speed Slope Coefficient (m)	3.49079	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.34268	PF Power Coefficient (p)	0.74445
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.1
%Improvement to Percent Followers	0.0	%Improvement to Speed	Case 2022-00096

Subsegment Data			
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#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5317	-	-	52.8

Vehicle Results

Average Speed, mi/h	52.8	Percent Followers, %	31.3
Segment Travel Time, minutes	1.14	Follower Density (FD), followers/mi/ln	1.1
Vehicle LOS	A		

Segment 6

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	935
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	12.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	181	Opposing Demand Flow Rate, veh/h	143
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.11

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	54.3
Speed Slope Coefficient (m)	3.17306	Speed Power Coefficient (p)	0.55734
PF Slope Coefficient (m)	-1.30904	PF Power Coefficient (p)	0.77000
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.0
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	935	-	-	53.5

Vehicle Results

Average Speed, mi/h	53.5	Percent Followers, %	29.6
Segment Travel Time, minutes	0.20	Follower Density (FD), followers/mi/ln	1.0
Vehicle LOS	A		

Segment 7

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	7455
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	16.3

Demand and Capacity

Directional Demand Flow Rate, veh/h	101	Opposing Demand Flow Rate, veh/h	77
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.06

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	53.2
Speed Slope Coefficient (m)	3.46317	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.34219	PF Power Coefficient (p)	0.73475
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.4
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data					
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	7455	-	-	53.0

Vehicle Results			
Average Speed, mi/h	53.0	Percent Followers, %	22.1
Segment Travel Time, minutes	1.60	Follower Density (FD), followers/mi/ln	0.4
Vehicle LOS	A		

Segment 8

Vehicle Inputs			
Segment Type	Passing Zone	Length, ft	3374
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	17.2

Demand and Capacity			
Directional Demand Flow Rate, veh/h	101	Opposing Demand Flow Rate, veh/h	80
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.06

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	53.0
Speed Slope Coefficient (m)	3.10241	Speed Power Coefficient (p)	0.58392
PF Slope Coefficient (m)	-1.21826	PF Power Coefficient (p)	0.79729
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.3
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data					
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	3374	-	-	52.9

Vehicle Results			
Average Speed, mi/h	52.9	Percent Followers, %	17.8
Segment Travel Time, minutes	0.72	Follower Density (FD), followers/mi/ln	0.3
Vehicle LOS	A		

Segment 9

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Vehicle Inputs			
Segment Type	Passing Constrained	Length, ft	2904
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	23.6

Demand and Capacity			
Directional Demand Flow Rate, veh/h	101	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.06

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	51.4
Speed Slope Coefficient (m)	3.31797	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.39749	PF Power Coefficient (p)	0.73259
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.5
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data					
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2904	-	-	51.2

Vehicle Results			
Average Speed, mi/h	51.2	Percent Followers, %	22.9
Segment Travel Time, minutes	0.64	Follower Density (FD), followers/mi/ln	0.5
Vehicle LOS	A		

Segment 10

Vehicle Inputs			
Segment Type	Passing Zone	Length, ft	3833
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	5.5

Demand and Capacity			
Directional Demand Flow Rate, veh/h	101	Opposing Demand Flow Rate, veh/h	80
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.06

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	55.9
Speed Slope Coefficient (m)	3.26648	Speed Power Coefficient (p)	0.58392
PF Slope Coefficient (m)	-1.20260	PF Power Coefficient (p)	0.80837
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.3
%Improvement to Percent Followers	0.0	%Improvement to Speed	Case 2022-00096

Subsegment Data			
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#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	3833	-	-	55.9

Vehicle Results

Average Speed, mi/h	55.9	Percent Followers, %	17.2
Segment Travel Time, minutes	0.78	Follower Density (FD), followers/mi/ln	0.3
Vehicle LOS	A		

Segment 11

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	3957
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	6.7

Demand and Capacity

Directional Demand Flow Rate, veh/h	101	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.06

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	55.6
Speed Slope Coefficient (m)	3.56062	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.34698	PF Power Coefficient (p)	0.74847
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.4
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	3957	-	-	55.4

Vehicle Results

Average Speed, mi/h	55.4	Percent Followers, %	21.5
Segment Travel Time, minutes	0.81	Follower Density (FD), followers/mi/ln	0.4
Vehicle LOS	A		

Segment 12

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	1742
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	0.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	101	Opposing Demand Flow Rate, veh/h	80
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.06

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	57.3
Speed Slope Coefficient (m)	3.31215	Speed Power Coefficient (p)	0.58392
PF Slope Coefficient (m)	-1.25153	PF Power Coefficient (p)	0.79298
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.3
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

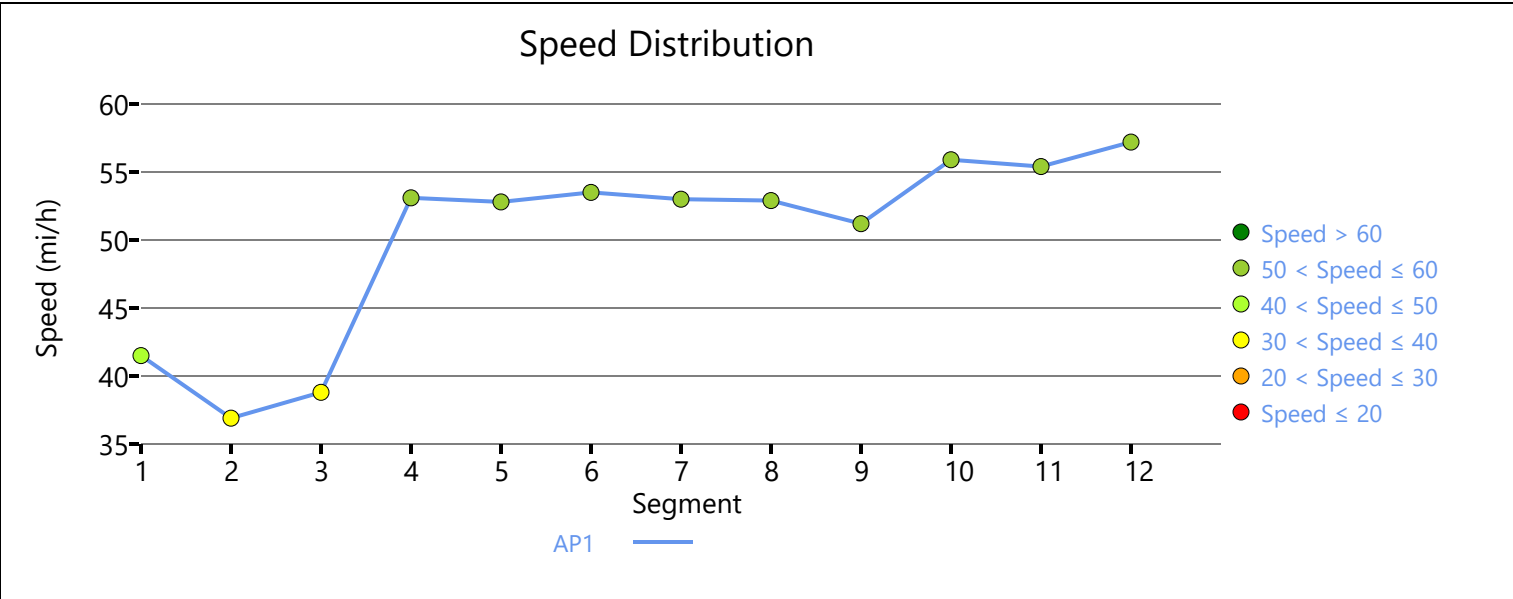
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	1742	-	-	57.2

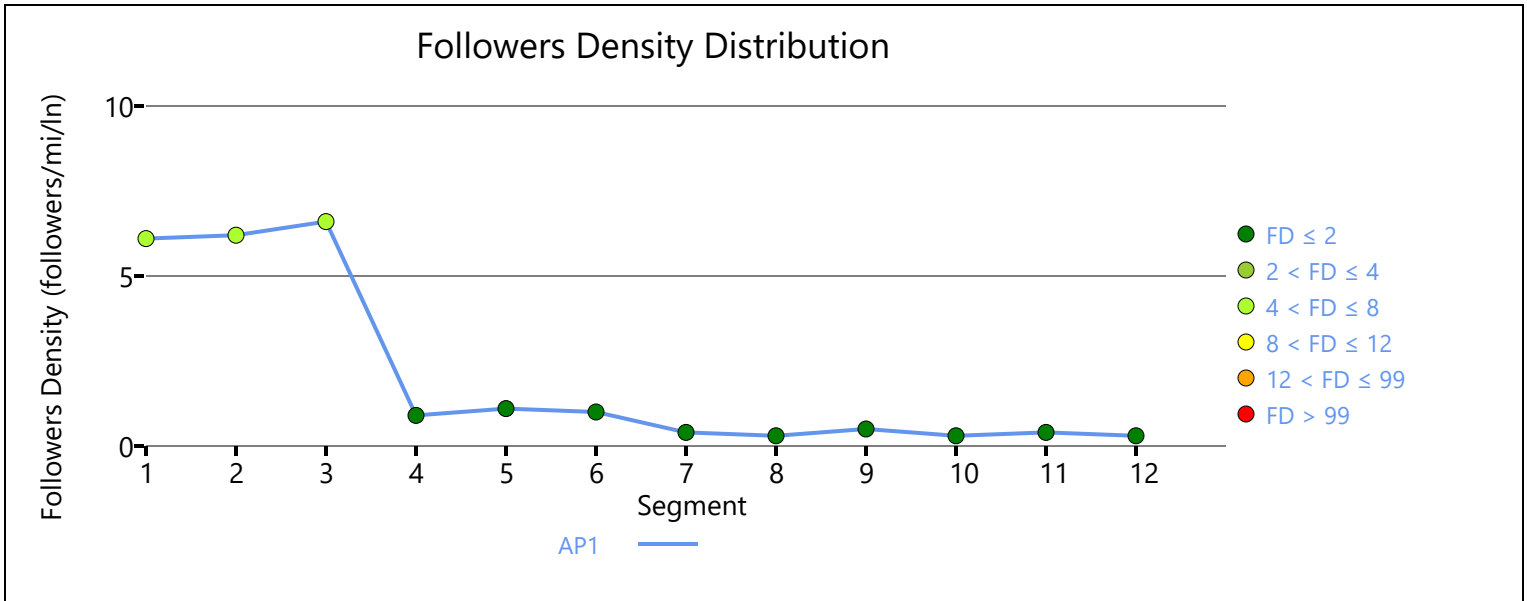
Vehicle Results

Average Speed, mi/h	57.2	Percent Followers, %	18.4
Segment Travel Time, minutes	0.35	Follower Density (FD), followers/mi/ln	0.3
Vehicle LOS	A		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	259	0.11	1.2	A





HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/13/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing PM
Project Description	KY 1357	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	755
Lane Width, ft	10	Shoulder Width, ft	5
Speed Limit, mi/h	45	Access Point Density, pts/mi	24.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	352	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.21

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	43.4
Speed Slope Coefficient (m)	2.85999	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.50122	PF Power Coefficient (p)	0.69001
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	4.4
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	755	-	-	41.8

Vehicle Results

Average Speed, mi/h	41.8	Percent Followers, %	51.8
Segment Travel Time, minutes	0.21	Follower Density (FD), followers/mi/ln	4.4
Vehicle LOS	B		

Segment 2

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	2524
Lane Width, ft	10	Shoulder Width, ft	1
Speed Limit, mi/h	45	Access Point Density, pts/mi	33.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	352	Opposing Demand Flow Rate, veh/h	277
Peak Hour Factor	0.94	Total Trucks, %	0.58

Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.21
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Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	38.3
Speed Slope Coefficient (m)	2.37690	Speed Power Coefficient (p)	0.52021
PF Slope Coefficient (m)	-1.29738	PF Power Coefficient (p)	0.72279
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	4.3
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2524	-	-	37.2

Vehicle Results

Average Speed, mi/h	37.2	Percent Followers, %	45.7
Segment Travel Time, minutes	0.77	Follower Density (FD), followers/mi/ln	4.3
Vehicle LOS	B		

Segment 3

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	739
Lane Width, ft	10	Shoulder Width, ft	1
Speed Limit, mi/h	45	Access Point Density, pts/mi	24.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	352	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.21

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	40.6
Speed Slope Coefficient (m)	2.70823	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.50514	PF Power Coefficient (p)	0.67930
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	4.7
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	739	-	-	39.1

Vehicle Results

Average Speed, mi/h	39.1	Percent Followers, %	52.3
Segment Travel Time, minutes	0.22	Follower Density (FD), followers/mi/ln	4.7
Vehicle LOS	B	Case	2022-00096

Segment 4

Vehicle Inputs			
Segment Type	Passing Zone	Length, ft	3078
Lane Width, ft	10	Shoulder Width, ft	5
Speed Limit, mi/h	55	Access Point Density, pts/mi	27.6

Demand and Capacity			
Directional Demand Flow Rate, veh/h	217	Opposing Demand Flow Rate, veh/h	170
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.13

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	53.9
Speed Slope Coefficient (m)	3.19017	Speed Power Coefficient (p)	0.54810
PF Slope Coefficient (m)	-1.25587	PF Power Coefficient (p)	0.78935
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.3
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data					
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	3078	-	-	52.9

Vehicle Results			
Average Speed, mi/h	52.9	Percent Followers, %	31.3
Segment Travel Time, minutes	0.66	Follower Density (FD), followers/mi/ln	1.3
Vehicle LOS	A		

Segment 5

Vehicle Inputs			
Segment Type	Passing Constrained	Length, ft	5317
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	12.9

Demand and Capacity			
Directional Demand Flow Rate, veh/h	217	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.13

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	54.1
Speed Slope Coefficient (m)	3.49079	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.34268	PF Power Coefficient (p)	0.74445
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.4
%Improvement to Percent Followers	0.0	%Improvement to Speed	Case 2022-00096

Subsegment Data			
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#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5317	-	-	52.6

Vehicle Results

Average Speed, mi/h	52.6	Percent Followers, %	35.0
Segment Travel Time, minutes	1.15	Follower Density (FD), followers/mi/ln	1.4
Vehicle LOS	A		

Segment 6

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	935
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	12.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	217	Opposing Demand Flow Rate, veh/h	170
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.13

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	54.3
Speed Slope Coefficient (m)	3.18454	Speed Power Coefficient (p)	0.54810
PF Slope Coefficient (m)	-1.31838	PF Power Coefficient (p)	0.76796
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.4
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	935	-	-	53.3

Vehicle Results

Average Speed, mi/h	53.3	Percent Followers, %	33.5
Segment Travel Time, minutes	0.20	Follower Density (FD), followers/mi/ln	1.4
Vehicle LOS	A		

Segment 7

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	7455
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	16.3

Demand and Capacity

Directional Demand Flow Rate, veh/h	128	Opposing Demand Flow Rate, veh/h	170
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.13

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	53.2
Speed Slope Coefficient (m)	3.46317	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.34219	PF Power Coefficient (p)	0.73475
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.6
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data					
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	7455	-	-	52.4

Vehicle Results			
Average Speed, mi/h	52.4	Percent Followers, %	25.6
Segment Travel Time, minutes	1.62	Follower Density (FD), followers/mi/ln	0.6
Vehicle LOS	A		

Segment 8

Vehicle Inputs			
Segment Type	Passing Zone	Length, ft	3374
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	17.2

Demand and Capacity			
Directional Demand Flow Rate, veh/h	128	Opposing Demand Flow Rate, veh/h	96
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.08

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	53.0
Speed Slope Coefficient (m)	3.11124	Speed Power Coefficient (p)	0.57616
PF Slope Coefficient (m)	-1.22557	PF Power Coefficient (p)	0.79537
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.5
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data					
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	3374	-	-	52.6

Vehicle Results			
Average Speed, mi/h	52.6	Percent Followers, %	21.2
Segment Travel Time, minutes	0.73	Follower Density (FD), followers/mi/ln	0.5
Vehicle LOS	A		

Segment 9

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Vehicle Inputs			
Segment Type	Passing Constrained	Length, ft	2904
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	23.6

Demand and Capacity			
Directional Demand Flow Rate, veh/h	128	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.08

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	51.4
Speed Slope Coefficient (m)	3.31797	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.39749	PF Power Coefficient (p)	0.73259
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.7
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data					
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2904	-	-	50.6

Vehicle Results			
Average Speed, mi/h	50.6	Percent Followers, %	26.6
Segment Travel Time, minutes	0.65	Follower Density (FD), followers/mi/ln	0.7
Vehicle LOS	A		

Segment 10

Vehicle Inputs			
Segment Type	Passing Zone	Length, ft	3833
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	5.5

Demand and Capacity			
Directional Demand Flow Rate, veh/h	128	Opposing Demand Flow Rate, veh/h	96
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.08

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	55.9
Speed Slope Coefficient (m)	3.27532	Speed Power Coefficient (p)	0.57616
PF Slope Coefficient (m)	-1.20970	PF Power Coefficient (p)	0.80639
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.5
%Improvement to Percent Followers	0.0	%Improvement to Speed	Case 2022-00096

Subsegment Data			
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#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	3833	-	-	55.5

Vehicle Results

Average Speed, mi/h	55.5	Percent Followers, %	20.6
Segment Travel Time, minutes	0.78	Follower Density (FD), followers/mi/ln	0.5
Vehicle LOS	A		

Segment 11

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	3957
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	6.7

Demand and Capacity

Directional Demand Flow Rate, veh/h	128	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.08

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	55.6
Speed Slope Coefficient (m)	3.56062	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.34698	PF Power Coefficient (p)	0.74847
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.6
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	3957	-	-	54.8

Vehicle Results

Average Speed, mi/h	54.8	Percent Followers, %	25.1
Segment Travel Time, minutes	0.82	Follower Density (FD), followers/mi/ln	0.6
Vehicle LOS	A		

Segment 12

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	1742
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	0.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	128	Opposing Demand Flow Rate, veh/h	96
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.075

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	57.3
Speed Slope Coefficient (m)	3.32099	Speed Power Coefficient (p)	0.57616
PF Slope Coefficient (m)	-1.25893	PF Power Coefficient (p)	0.79119
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.5
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

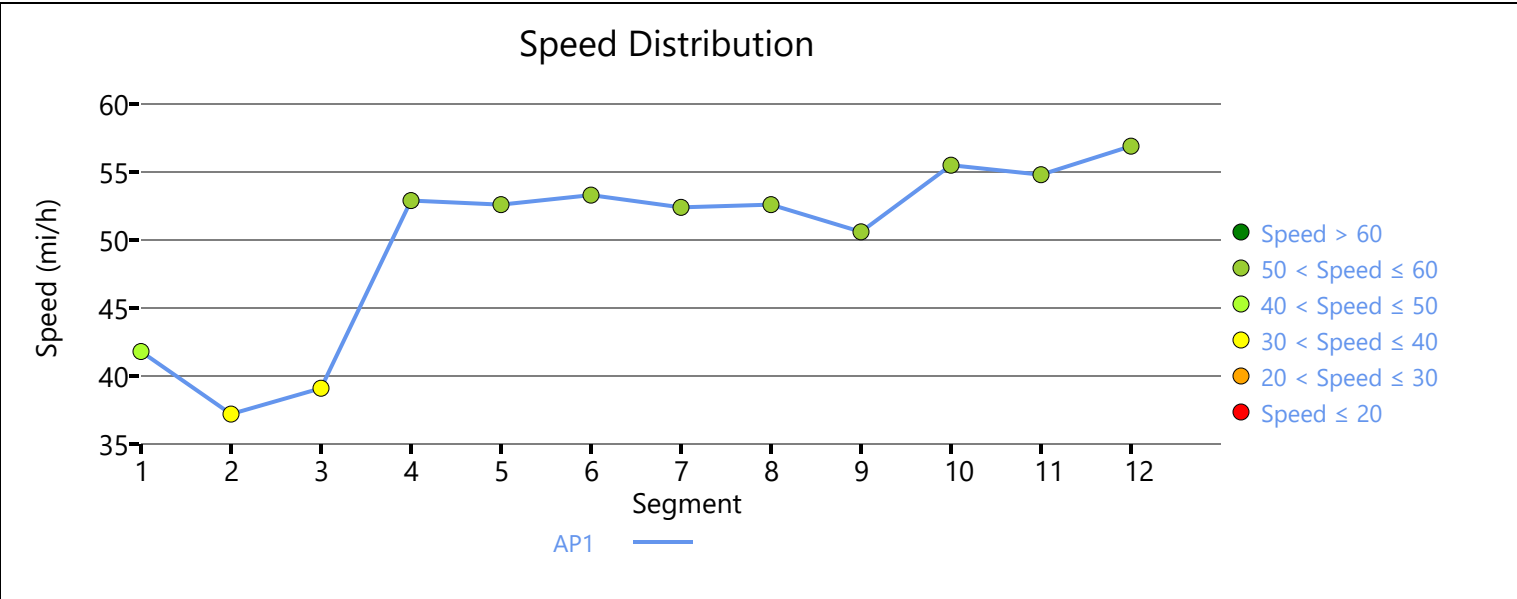
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	1742	-	-	56.9

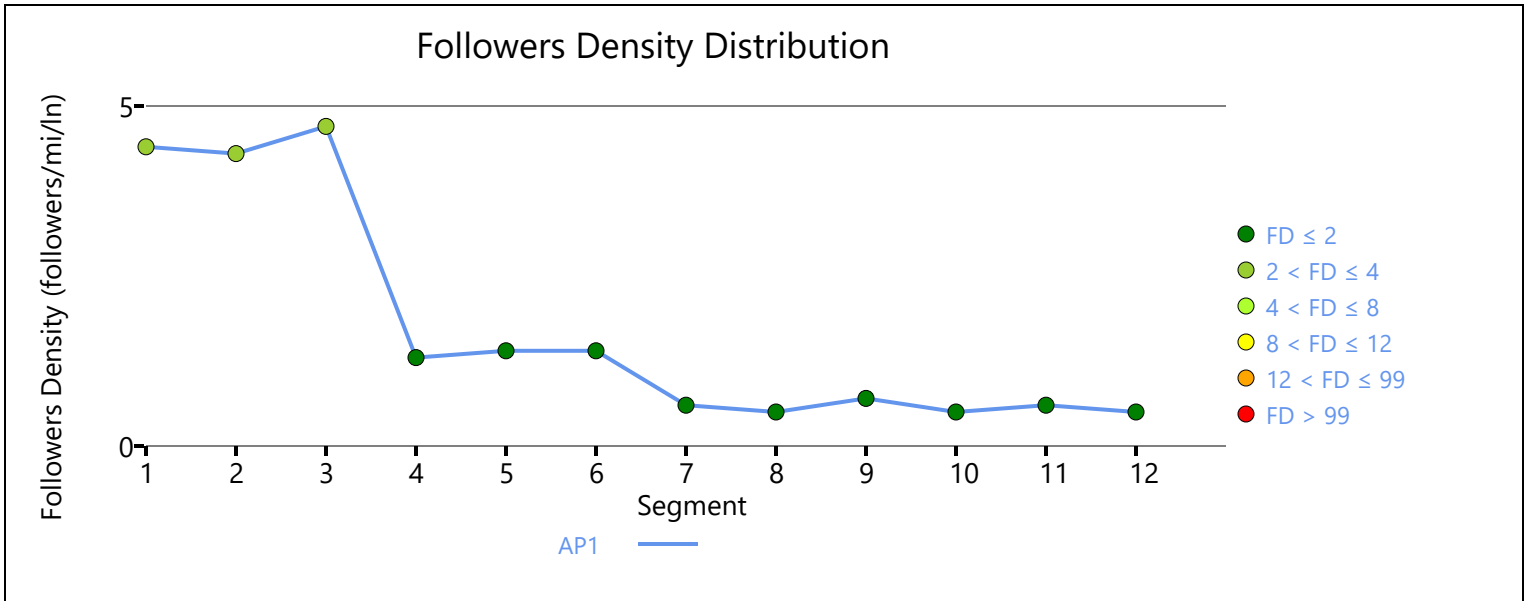
Vehicle Results

Average Speed, mi/h	56.9	Percent Followers, %	21.9
Segment Travel Time, minutes	0.35	Follower Density (FD), followers/mi/ln	0.5
Vehicle LOS	A		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	285	0.12	1.2	A





HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/13/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing AM
Project Description	CR 1127V - Cecil Avenue	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	2424
Lane Width, ft	9	Shoulder Width, ft	0
Speed Limit, mi/h	25	Access Point Density, pts/mi	30.4

Demand and Capacity

Directional Demand Flow Rate, veh/h	55	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	0.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.03

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	14.9
Speed Slope Coefficient (m)	1.33457	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.20083	PF Power Coefficient (p)	0.55084
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.8
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2424	-	-	14.9

Vehicle Results

Average Speed, mi/h	14.9	Percent Followers, %	21.6
Segment Travel Time, minutes	1.85	Follower Density (FD), followers/mi/ln	0.8
Vehicle LOS	A		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	6	0.00	0.8	A

HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/13/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing PM
Project Description	CR 1127V - Cecil Avenue	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	2424
Lane Width, ft	9	Shoulder Width, ft	0
Speed Limit, mi/h	25	Access Point Density, pts/mi	30.4

Demand and Capacity

Directional Demand Flow Rate, veh/h	59	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	0.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.03

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	14.9
Speed Slope Coefficient (m)	1.33457	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.20083	PF Power Coefficient (p)	0.55084
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.9
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2424	-	-	14.9

Vehicle Results

Average Speed, mi/h	14.9	Percent Followers, %	22.2
Segment Travel Time, minutes	1.85	Follower Density (FD), followers/mi/ln	0.9
Vehicle LOS	A		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	6	0.00	0.9	A

HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/13/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing AM
Project Description	CR1395 Local Bridge	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	1056
Lane Width, ft	9	Shoulder Width, ft	0
Speed Limit, mi/h	25	Access Point Density, pts/mi	12.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	4	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.00

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	19.4
Speed Slope Coefficient (m)	1.56201	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.33682	PF Power Coefficient (p)	0.56223
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.0
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	1056	-	-	19.4

Vehicle Results

Average Speed, mi/h	19.4	Percent Followers, %	6.0
Segment Travel Time, minutes	0.62	Follower Density (FD), followers/mi/ln	0.0
Vehicle LOS	A		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	0	0.00	0.0	A

HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/13/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing PM
Project Description	CR1395 Local Bridge	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	1056
Lane Width, ft	9	Shoulder Width, ft	0
Speed Limit, mi/h	25	Access Point Density, pts/mi	12.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	9	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.01

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	19.4
Speed Slope Coefficient (m)	1.56201	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.33682	PF Power Coefficient (p)	0.56223
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.0
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	1056	-	-	19.4

Vehicle Results

Average Speed, mi/h	19.4	Percent Followers, %	8.8
Segment Travel Time, minutes	0.62	Follower Density (FD), followers/mi/ln	0.0
Vehicle LOS	A		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	0	0.00	0.0	A

HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/19/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing AM
Project Description	CS 1551 - North Black Branch Road	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	3485
Lane Width, ft	10	Shoulder Width, ft	2
Speed Limit, mi/h	35	Access Point Density, pts/mi	0.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	111	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.07

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	35.8
Speed Slope Coefficient (m)	2.48304	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.41585	PF Power Coefficient (p)	0.67841
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.8
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	3485	-	-	35.5

Vehicle Results

Average Speed, mi/h	35.5	Percent Followers, %	27.2
Segment Travel Time, minutes	1.12	Follower Density (FD), followers/mi/ln	0.8
Vehicle LOS	A		

Segment 2

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	4641
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	35	Access Point Density, pts/mi	10.2

Demand and Capacity

Directional Demand Flow Rate, veh/h	111	Opposing Demand Flow Rate, veh/h	8
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Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.07

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	31.9
Speed Slope Coefficient (m)	1.97690	Speed Power Coefficient (p)	0.58019
PF Slope Coefficient (m)	-1.16203	PF Power Coefficient (p)	0.72273
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.7
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	4641	-	-	31.7

Vehicle Results

Average Speed, mi/h	31.7	Percent Followers, %	21.1
Segment Travel Time, minutes	1.66	Follower Density (FD), followers/mi/ln	0.7
Vehicle LOS	A		

Segment 3

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	2534
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	35	Access Point Density, pts/mi	18.8

Demand and Capacity

Directional Demand Flow Rate, veh/h	111	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.07

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	29.7
Speed Slope Coefficient (m)	2.14079	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.41096	PF Power Coefficient (p)	0.64253
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.1
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2534	-	-	29.4

Vehicle Results

Average Speed, mi/h	29.4	Percent Followers, %	29.0
Segment Travel Time, minutes	0.98	Follower Density (FD), followers/mi/ln	1.1
Vehicle LOS	A		

Segment 4

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	861
Lane Width, ft	15	Shoulder Width, ft	2
Speed Limit, mi/h	25	Access Point Density, pts/mi	16.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	119	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.07

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	23.4
Speed Slope Coefficient (m)	1.77881	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.39985	PF Power Coefficient (p)	0.58855
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.7
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	861	-	-	23.1

Vehicle Results

Average Speed, mi/h	23.1	Percent Followers, %	33.0
Segment Travel Time, minutes	0.42	Follower Density (FD), followers/mi/ln	1.7
Vehicle LOS	A		

Segment 5

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	2820
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	25	Access Point Density, pts/mi	56.6

Demand and Capacity

Directional Demand Flow Rate, veh/h	119	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.07

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	13.0
Speed Slope Coefficient (m)	1.23888	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.14623	PF Power Coefficient (p)	0.54418
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	2.8
%Improvement to Percent Followers	0.0	%Improvement to Speed	2.8

Subsegment Data

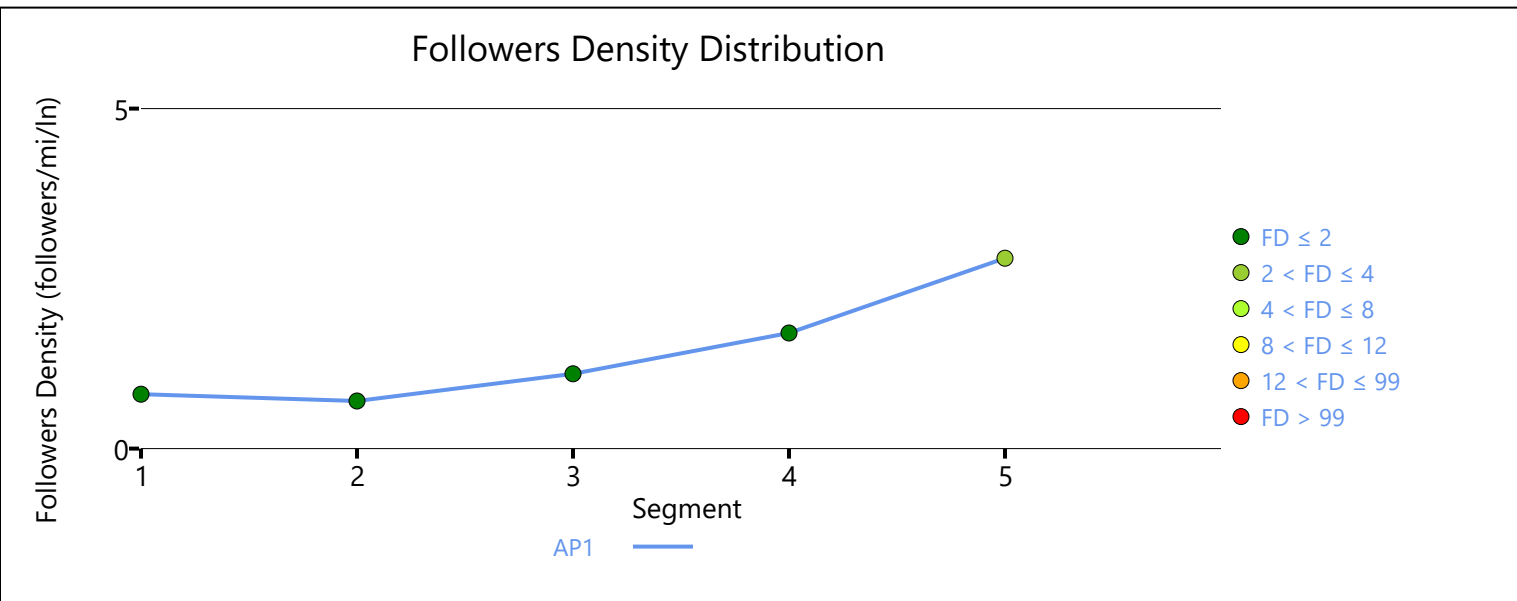
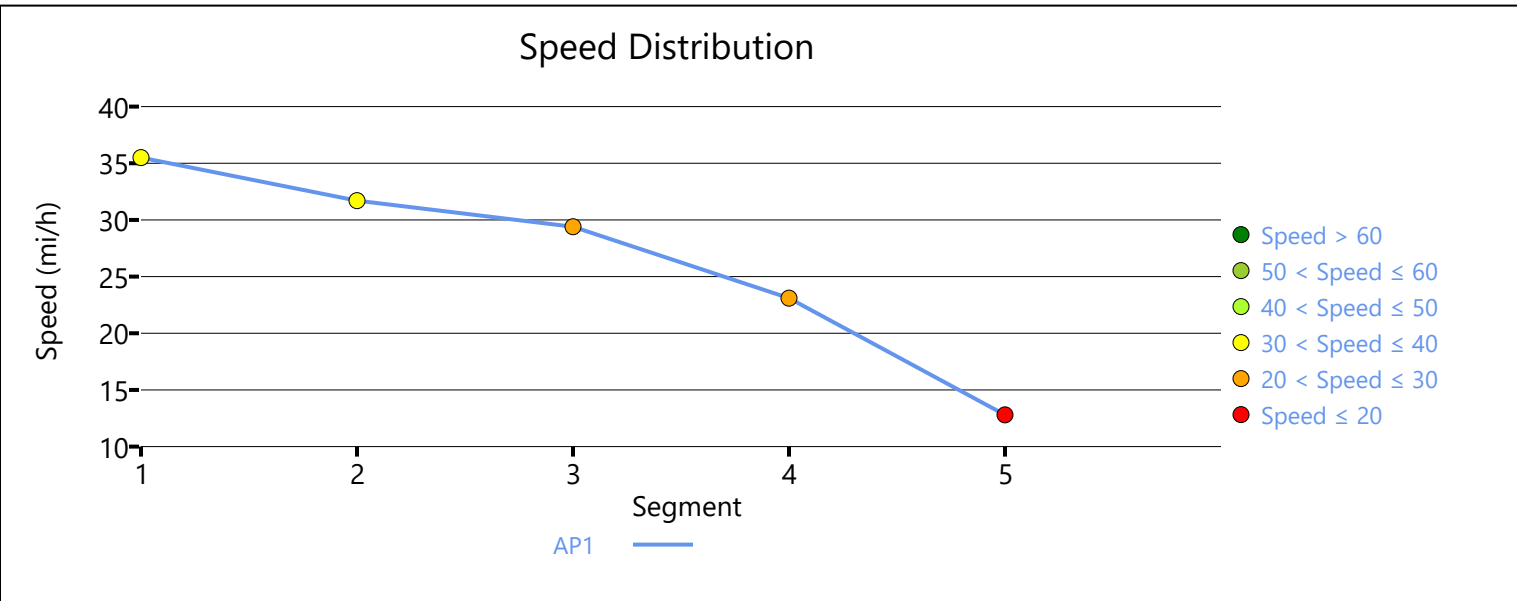
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2820	-	-	12.8

Vehicle Results

Average Speed, mi/h	12.8	Percent Followers, %	30.2
Segment Travel Time, minutes	2.50	Follower Density (FD), followers/mi/ln	2.8
Vehicle LOS	B		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	72	0.04	1.3	A



HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/19/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing PM
Project Description	CS 1551 - North Black Branch Road	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	3485
Lane Width, ft	10	Shoulder Width, ft	2
Speed Limit, mi/h	35	Access Point Density, pts/mi	0.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	115	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.07

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	35.8
Speed Slope Coefficient (m)	2.48304	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.41585	PF Power Coefficient (p)	0.67841
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.9
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	3485	-	-	35.4

Vehicle Results

Average Speed, mi/h	35.4	Percent Followers, %	27.8
Segment Travel Time, minutes	1.12	Follower Density (FD), followers/mi/ln	0.9
Vehicle LOS	A		

Segment 2

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	4641
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	35	Access Point Density, pts/mi	10.2

Demand and Capacity

Directional Demand Flow Rate, veh/h	115	Opposing Demand Flow Rate, veh/h	90
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Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.07

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	31.9
Speed Slope Coefficient (m)	1.97866	Speed Power Coefficient (p)	0.57865
PF Slope Coefficient (m)	-1.16351	PF Power Coefficient (p)	0.72229
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.8
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	4641	-	-	31.7

Vehicle Results

Average Speed, mi/h	31.7	Percent Followers, %	21.6
Segment Travel Time, minutes	1.66	Follower Density (FD), followers/mi/ln	0.8
Vehicle LOS	A		

Segment 3

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	2534
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	35	Access Point Density, pts/mi	18.8

Demand and Capacity

Directional Demand Flow Rate, veh/h	115	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.07

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	29.7
Speed Slope Coefficient (m)	2.14079	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.41096	PF Power Coefficient (p)	0.64253
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.2
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2534	-	-	29.4

Vehicle Results

Average Speed, mi/h	29.4	Percent Followers, %	29.6
Segment Travel Time, minutes	0.98	Follower Density (FD), followers/mi/ln	1.2
Vehicle LOS	A		

Segment 4

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	861
Lane Width, ft	15	Shoulder Width, ft	2
Speed Limit, mi/h	25	Access Point Density, pts/mi	16.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	109	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.06

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	23.4
Speed Slope Coefficient (m)	1.77881	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.39985	PF Power Coefficient (p)	0.58855
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.5
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	861	-	-	23.2

Vehicle Results

Average Speed, mi/h	23.2	Percent Followers, %	31.5
Segment Travel Time, minutes	0.42	Follower Density (FD), followers/mi/ln	1.5
Vehicle LOS	A		

Segment 5

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	2820
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	25	Access Point Density, pts/mi	56.6

Demand and Capacity

Directional Demand Flow Rate, veh/h	109	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.06

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	13.0
Speed Slope Coefficient (m)	1.23888	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.14623	PF Power Coefficient (p)	0.54418
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	2.4
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

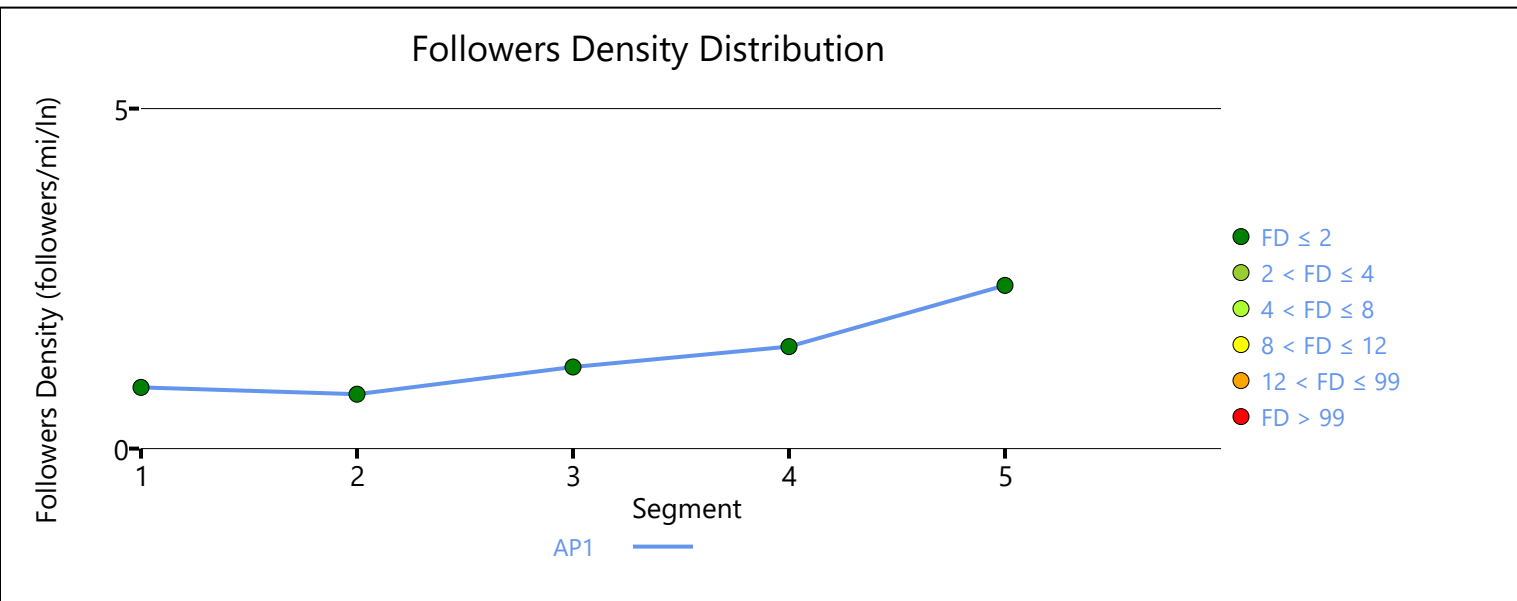
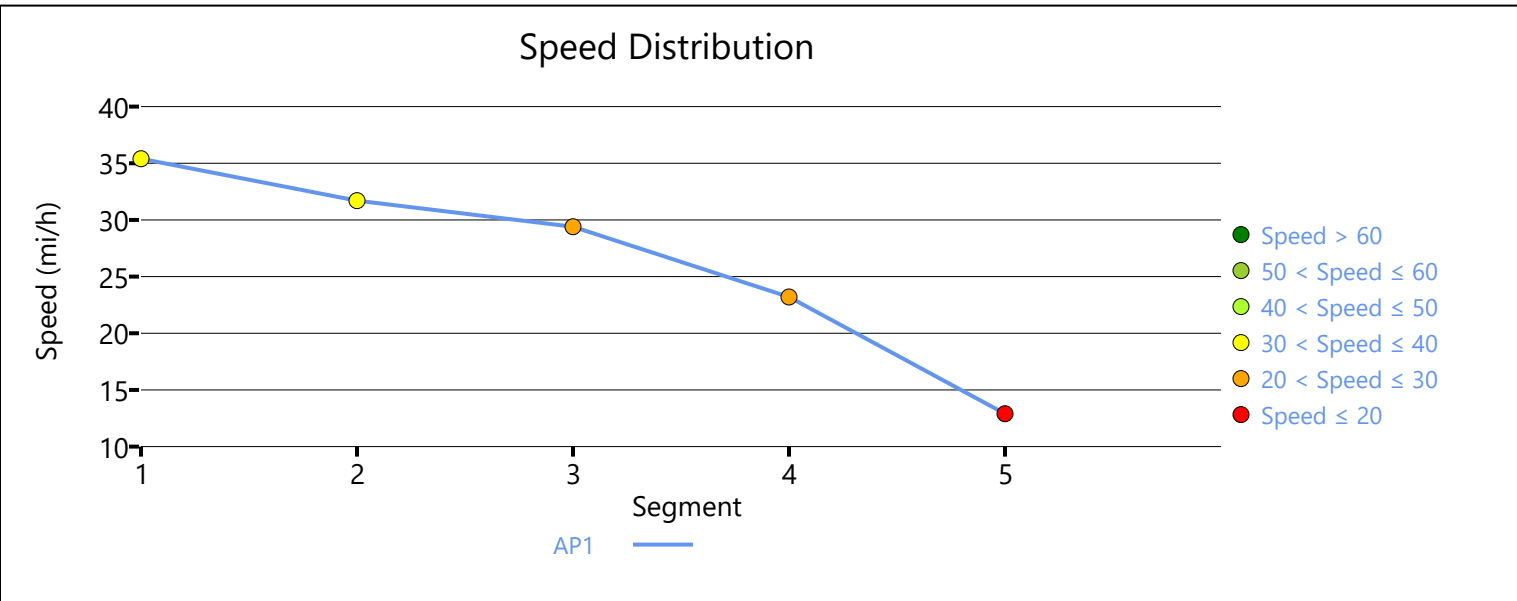
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2820	-	-	12.9

Vehicle Results

Average Speed, mi/h	12.9	Percent Followers, %	29.0
Segment Travel Time, minutes	2.49	Follower Density (FD), followers/mi/ln	2.4
Vehicle LOS	A		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	72	0.03	1.2	A



HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing AM
Project Description	KY 3005 KY 1357 to KY 361	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	50.0	Access Point Density, pts/mi	3.8
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLT	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	48.2		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	755	Heavy Vehicle Adjustment Factor (fHV)	0.989
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	406
Total Trucks, %	0.58	Capacity (c), pc/h/ln	1964
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	1964
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.21

Direction 1 Speed and Density

Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	48.2
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	8.4
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	0.9		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	50.0	Access Point Density, pts/mi	2.5
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLTL	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	48.5		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	583	Heavy Vehicle Adjustment Factor (fhv)	0.989
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	314
Total Trucks, %	0.58	Capacity (c), pc/h/ln	1970
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	1970
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.16
Direction 2 Speed and Density			
Lane Width Adjustment (flw)	0.0	Average Speed (S), mi/h	48.5
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	6.5
Median Type Adjustment (fm)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fa)	0.6		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	402	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F

HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing AM
Project Description	KY 3005 MP 1.918 to KY 1357	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	50.0	Access Point Density, pts/mi	6.5
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLT	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	47.5		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	839	Heavy Vehicle Adjustment Factor (fHV)	0.989
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	451
Total Trucks, %	0.58	Capacity (c), pc/h/ln	1950
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	1950
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.23

Direction 1 Speed and Density

Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	47.5
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	9.5
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	1.6		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	50.0	Access Point Density, pts/mi	9.4
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLTL	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	46.7		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	614	Heavy Vehicle Adjustment Factor (fhv)	0.989
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	330
Total Trucks, %	0.58	Capacity (c), pc/h/ln	1934
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	1934
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.17
Direction 2 Speed and Density			
Lane Width Adjustment (flw)	0.0	Average Speed (S), mi/h	46.7
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	7.1
Median Type Adjustment (fm)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fa)	2.4		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	446	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F

HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing AM
Project Description	KY 3005 MP 1.918 to US 62	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Specific Grade
Segment Length (L), ft	5280	Percent Grade, %	1.33
Measured or Base Free-Flow Speed	Base	Grade Length, mi	0.07
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	0.0
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Undivided	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	52.5		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	839	Heavy Vehicle Adjustment Factor (fHV)	0.991
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	450
Total Trucks, %	0.58	Capacity (c), pc/h/ln	2050
Single-Unit Trucks (SUT), %	99	Adjusted Capacity (cadj), pc/h/ln	2050
Tractor-Trailers (TT), %	1	Volume-to-Capacity Ratio (v/c)	0.22

Direction 1 Speed and Density

Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	52.5
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	8.6
Median Type Adjustment (fM)	1.6	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	0.0		

Direction 1 Mixed-Flow Capacity Adjustment Factors and Capacity

Auto-Only Capacity Adj., (CAF _{ao})	1.000	Mixed-Flow Capacity Adj., (CAF _{mix})	0.987
Truck Percent Capacity Adj., (CAF _{T,mix})	0.013	Auto-Only Capacity, (C _{ao}), pc/h/ln	2050
Grade Effect Capacity Adj., (CAF _{g,mix})	0.000	Mixed-Flow Capacity, (C _{mix}), veh/h/ln	2221

Direction 1 Mixed-Flow FFS Adjustment Factors and FFS

SUT Slope Travel Time / Dist. (δ_{SUT}), s/ft	0.0124	Traffic Interaction Term ($\Delta\tau_{TT}$), s/mi	2006
TT Slope Travel Time / Dist. (δ_{TT}), s/ft	0.0124	Auto Free-Flow Travel Rate (τ_a), s/mi	65.5

SUT Kinematic Travel Rate ($\tau_{SUT,kin}$), s/mi	50.7	Mixed Free-Flow Travel Rate (τ_{mix}), s/mi	65.4
TT Kinematic Travel Rate ($\tau_{TT,kin}$), s/mi	52.3	Mixed Free-Flow Speed (FFS_{mix}), mi/h	55.0
SUT Free-Flow Travel Rate (τ_{SUT}), s/mi	50.7	Mixed-Flow Speed Adj. (SAF_{mix})	1.000
TT Free-Flow Travel Rate (τ_{TT}), s/mi	52.3		


Direction 1 Mixed-Flow Speed and Density

Auto-Only Breakpoint (BP_{ao}), pc/h/ln	1400	Auto Travel Rate at Cap. ($\tau_{a,cap}$), s/mi	72.3
Mixed-Flow Breakpoint (BP_{mix}), veh/h/ln	756.4	Auto Travel Rate 90% Cap. ($\tau_{a,90cap}$), s/mi	67.2
SUT Travel Rate at Cap. ($\tau_{SUT,cap}$), s/mi	57.5	Speed Calibration at Cap. ($S_{calib,cap}$), mi/h	49.9
SUT Travel Rate 90% Cap. ($\tau_{SUT,90cap}$), s/mi	52.3	Speed Calib. 90% Cap. ($S_{calib,90cap}$), mi/h	53.7
TT Travel Rate at Cap. ($\tau_{TT,cap}$), s/mi	59.1	Speed-Flow Curve Exponent (ϕ)	9.93
TT Travel Rate 90% Cap. ($\tau_{TT,90cap}$), s/mi	53.9	Mixed Traffic Flow Rate (v_{mix}), veh/h/ln	420
Traffic Int. Term at Cap. ($\Delta\tau_{TI,cap}$), s/mi	6.80	Mixed-Flow Speed (S_{mix}), mi/h	55.0
Traffic Int. Term 90% Cap. ($\Delta\tau_{TI,90cap}$), s/mi	1.65	Mixed-Flow Density (D_{mix}), veh/mi/ln	7.6

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	3	Terrain Type	Specific Grade
Segment Length (L), ft	5280	Percent Grade, %	-1.33
Measured or Base Free-Flow Speed	Base	Grade Length, mi	0.07
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	0.0
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Undivided	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	52.5		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	614	Heavy Vehicle Adjustment Factor (fHV)	0.992
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	219
Total Trucks, %	0.58	Capacity (c), pc/h/ln	2050
Single-Unit Trucks (SUT), %	99	Adjusted Capacity (cadj), pc/h/ln	2050
Tractor-Trailers (TT), %	1	Volume-to-Capacity Ratio (v/c)	0.11
Direction 2 Speed and Density			
Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	52.5
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	4.2
Median Type Adjustment (fM)	1.6	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	0.0		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	446	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F
Direction 2 Mixed-Flow Capacity Adjustment Factors and Capacity			
Auto-Only Capacity Adj., (CAF _{ao})	1.000	Mixed-Flow Capacity Adj., (CAF _{mix})	0.987
Truck Percent Capacity Adj., (CAF _{T,mix})	0.013	Auto-Only Capacity, (C _{ao}), pc/h/ln	2050
Grade Effect Capacity Adj., (CAF _{g,mix})	0.000	Mixed-Flow Capacity, (C _{mix}), veh/h/ln	2221
Direction 2 Mixed-Flow FFS Adjustment Factors and FFS			
SUT Slope Travel Time / Dist. (δ _{SUT}), s/ft	0.0124	Traffic Interaction Term (Δτ _{TI}), s/mi	0.00
TT Slope Travel Time / Dist. (δ _{TT}), s/ft	0.0124	Auto Free-Flow Travel Rate (τ _a), s/mi	65.5
SUT Kinematic Travel Rate (τ _{SUT,kin}), s/mi	48.6	Mixed Free-Flow Travel Rate (τ _{mix}), s/mi	65.4
TT Kinematic Travel Rate (τ _{TT,kin}), s/mi	49.1	Mixed Free-Flow Speed (FFS _{mix}), mi/h	65.4
SUT Free-Flow Travel Rate (τ _{SUT}), s/mi	48.6	Mixed-Flow Speed Adj. (SAF _{mix})	1.000

TT Free-Flow Travel Rate (τ_{TT}), s/mi	49.1		
Direction 2 Mixed-Flow Speed and Density			
Auto-Only Breakpoint (BP_{ao}), pc/h/ln	1400	Auto Travel Rate at Cap. ($\tau_{a, cap}$), s/mi	72.3
Mixed-Flow Breakpoint (BP_{mix}), veh/h/ln	1100.0	Auto Travel Rate 90% Cap. ($\tau_{a, 90cap}$), s/mi	67.2
SUT Travel Rate at Cap. ($\tau_{SUT, cap}$), s/mi	55.4	Speed Calibration at Cap. ($S_{calib, cap}$), mi/h	49.9
SUT Travel Rate 90% Cap. ($\tau_{SUT, 90cap}$), s/mi	50.2	Speed Calib. 90% Cap. ($S_{calib, 90cap}$), mi/h	53.7
TT Travel Rate at Cap. ($\tau_{TT, cap}$), s/mi	55.9	Speed-Flow Curve Exponent (ϕ)	7.40
TT Travel Rate 90% Cap. ($\tau_{TT, 90cap}$), s/mi	50.8	Mixed Traffic Flow Rate (v_{mix}), veh/h/ln	205
Traffic Int. Term at Cap. ($\Delta\tau_{TI, cap}$), s/mi	6.80	Mixed-Flow Speed (S_{mix}), mi/h	55.0
Traffic Int. Term 90% Cap. ($\Delta\tau_{TI, 90cap}$), s/mi	1.65	Mixed-Flow Density (D_{mix}), veh/mi/ln	3.7

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HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing PM
Project Description	KY 3005 KY 1357 to KY 361	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	50.0	Access Point Density, pts/mi	3.8
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLT	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	48.2		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	879	Heavy Vehicle Adjustment Factor (fHV)	0.989
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	473
Total Trucks, %	0.58	Capacity (c), pc/h/ln	1964
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	1964
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.24

Direction 1 Speed and Density

Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	48.2
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	9.8
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	0.9		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	50.0	Access Point Density, pts/mi	2.5
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLTL	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	48.5		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	775	Heavy Vehicle Adjustment Factor (fhv)	0.989
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	417
Total Trucks, %	0.58	Capacity (c), pc/h/ln	1970
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	1970
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.21
Direction 2 Speed and Density			
Lane Width Adjustment (flw)	0.0	Average Speed (S), mi/h	48.5
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	8.6
Median Type Adjustment (fm)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fa)	0.6		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	468	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F

HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing PM
Project Description	KY 3005 MP 1.918 to KY 1357	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	50.0	Access Point Density, pts/mi	6.5
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLT	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	47.5		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	772	Heavy Vehicle Adjustment Factor (fHV)	0.989
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	415
Total Trucks, %	0.58	Capacity (c), pc/h/ln	1950
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	1950
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.21

Direction 1 Speed and Density

Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	47.5
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	8.7
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	1.6		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	50.0	Access Point Density, pts/mi	9.4
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLTL	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	46.7		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	723	Heavy Vehicle Adjustment Factor (fhv)	0.989
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	389
Total Trucks, %	0.58	Capacity (c), pc/h/ln	1934
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	1934
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.20
Direction 2 Speed and Density			
Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	46.7
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	8.3
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	2.4		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	411	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F

HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing PM
Project Description	KY 3005 MP 1.918 to US 62	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Specific Grade
Segment Length (L), ft	5280	Percent Grade, %	1.33
Measured or Base Free-Flow Speed	Base	Grade Length, mi	0.07
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	0.0
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Undivided	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	52.5		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	772	Heavy Vehicle Adjustment Factor (fHV)	0.991
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	414
Total Trucks, %	0.58	Capacity (c), pc/h/ln	2050
Single-Unit Trucks (SUT), %	99	Adjusted Capacity (cadj), pc/h/ln	2050
Tractor-Trailers (TT), %	1	Volume-to-Capacity Ratio (v/c)	0.20

Direction 1 Speed and Density

Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	52.5
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	7.9
Median Type Adjustment (fM)	1.6	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	0.0		

Direction 1 Mixed-Flow Capacity Adjustment Factors and Capacity

Auto-Only Capacity Adj., (CAF _{ao})	1.000	Mixed-Flow Capacity Adj., (CAF _{mix})	0.987
Truck Percent Capacity Adj., (CAF _{T,mix})	0.013	Auto-Only Capacity, (C _{ao}), pc/h/ln	2050
Grade Effect Capacity Adj., (CAF _{g,mix})	0.000	Mixed-Flow Capacity, (C _{mix}), veh/h/ln	2221

Direction 1 Mixed-Flow FFS Adjustment Factors and FFS

SUT Slope Travel Time / Dist. (δ_{SUT}), s/ft	0.0124	Traffic Interaction Term ($\Delta\tau_{TT}$), s/mi	Case 2022-00096
TT Slope Travel Time / Dist. (δ_{TT}), s/ft	0.0124	Auto Free-Flow Travel Rate (τ_a), s/mi	65.5

SUT Kinematic Travel Rate ($\tau_{SUT,kin}$), s/mi	50.7	Mixed Free-Flow Travel Rate (τ_{mix}), s/mi	65.4
TT Kinematic Travel Rate ($\tau_{TT,kin}$), s/mi	52.3	Mixed Free-Flow Speed (FFS_{mix}), mi/h	55.0
SUT Free-Flow Travel Rate (τ_{SUT}), s/mi	50.7	Mixed-Flow Speed Adj. (SAF_{mix})	1.000
TT Free-Flow Travel Rate (τ_{TT}), s/mi	52.3		


Direction 1 Mixed-Flow Speed and Density

Auto-Only Breakpoint (BP_{ao}), pc/h/ln	1400	Auto Travel Rate at Cap. ($\tau_{a,cap}$), s/mi	72.3
Mixed-Flow Breakpoint (BP_{mix}), veh/h/ln	756.4	Auto Travel Rate 90% Cap. ($\tau_{a,90cap}$), s/mi	67.2
SUT Travel Rate at Cap. ($\tau_{SUT,cap}$), s/mi	57.5	Speed Calibration at Cap. ($S_{calib,cap}$), mi/h	49.9
SUT Travel Rate 90% Cap. ($\tau_{SUT,90cap}$), s/mi	52.3	Speed Calib. 90% Cap. ($S_{calib,90cap}$), mi/h	53.7
TT Travel Rate at Cap. ($\tau_{TT,cap}$), s/mi	59.1	Speed-Flow Curve Exponent (ϕ)	9.93
TT Travel Rate 90% Cap. ($\tau_{TT,90cap}$), s/mi	53.9	Mixed Traffic Flow Rate (v_{mix}), veh/h/ln	386
Traffic Int. Term at Cap. ($\Delta\tau_{TI,cap}$), s/mi	6.80	Mixed-Flow Speed (S_{mix}), mi/h	55.0
Traffic Int. Term 90% Cap. ($\Delta\tau_{TI,90cap}$), s/mi	1.65	Mixed-Flow Density (D_{mix}), veh/mi/ln	7.0

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	3	Terrain Type	Specific Grade
Segment Length (L), ft	5280	Percent Grade, %	-1.33
Measured or Base Free-Flow Speed	Base	Grade Length, mi	0.07
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	0.0
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Undivided	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	52.5		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	723	Heavy Vehicle Adjustment Factor (fHV)	0.992
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	258
Total Trucks, %	0.58	Capacity (c), pc/h/ln	2050
Single-Unit Trucks (SUT), %	99	Adjusted Capacity (cadj), pc/h/ln	2050
Tractor-Trailers (TT), %	1	Volume-to-Capacity Ratio (v/c)	0.13
Direction 2 Speed and Density			
Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	52.5
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	4.9
Median Type Adjustment (fM)	1.6	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	0.0		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	411	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F
Direction 2 Mixed-Flow Capacity Adjustment Factors and Capacity			
Auto-Only Capacity Adj., (CAF _{ao})	1.000	Mixed-Flow Capacity Adj., (CAF _{mix})	0.987
Truck Percent Capacity Adj., (CAF _{T,mix})	0.013	Auto-Only Capacity, (C _{ao}), pc/h/ln	2050
Grade Effect Capacity Adj., (CAF _{g,mix})	0.000	Mixed-Flow Capacity, (C _{mix}), veh/h/ln	2221
Direction 2 Mixed-Flow FFS Adjustment Factors and FFS			
SUT Slope Travel Time / Dist. (δ _{SUT}), s/ft	0.0124	Traffic Interaction Term (Δτ _{TI}), s/mi	0.00
TT Slope Travel Time / Dist. (δ _{TT}), s/ft	0.0124	Auto Free-Flow Travel Rate (τ _a), s/mi	65.5
SUT Kinematic Travel Rate (τ _{SUT,kin}), s/mi	48.6	Mixed Free-Flow Travel Rate (τ _{mix}), s/mi	65.4
TT Kinematic Travel Rate (τ _{TT,kin}), s/mi	49.1	Mixed Free-Flow Speed (FFS _{mix}), mi/h	65.4
SUT Free-Flow Travel Rate (τ _{SUT}), s/mi	48.6	Mixed-Flow Speed Adj. (SAF _{mix})	1.000

TT Free-Flow Travel Rate (τ_{TT}), s/mi	49.1		
Direction 2 Mixed-Flow Speed and Density			
Auto-Only Breakpoint (BP_{ao}), pc/h/ln	1400	Auto Travel Rate at Cap. ($\tau_{a, cap}$), s/mi	72.3
Mixed-Flow Breakpoint (BP_{mix}), veh/h/ln	1100.0	Auto Travel Rate 90% Cap. ($\tau_{a, 90cap}$), s/mi	67.2
SUT Travel Rate at Cap. ($\tau_{SUT, cap}$), s/mi	55.4	Speed Calibration at Cap. ($S_{calib, cap}$), mi/h	49.9
SUT Travel Rate 90% Cap. ($\tau_{SUT, 90cap}$), s/mi	50.2	Speed Calib. 90% Cap. ($S_{calib, 90cap}$), mi/h	53.7
TT Travel Rate at Cap. ($\tau_{TT, cap}$), s/mi	55.9	Speed-Flow Curve Exponent (ϕ)	7.40
TT Travel Rate 90% Cap. ($\tau_{TT, 90cap}$), s/mi	50.8	Mixed Traffic Flow Rate (v_{mix}), veh/h/ln	241
Traffic Int. Term at Cap. ($\Delta\tau_{TI, cap}$), s/mi	6.80	Mixed-Flow Speed (S_{mix}), mi/h	55.0
Traffic Int. Term 90% Cap. ($\Delta\tau_{TI, 90cap}$), s/mi	1.65	Mixed-Flow Density (D_{mix}), veh/mi/ln	4.4

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HCS  Multilane Version 2022
Existing PM KY 3005 US 62 to MP 1.918.xuf

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HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing AM
Project Description	US 62 KY 3005 to KY 1904	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	32.7
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLT	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	45.9		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	558	Heavy Vehicle Adjustment Factor (fHV)	0.991
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	300
Total Trucks, %	0.45	Capacity (c), pc/h/ln	1918
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	1918
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.16

Direction 1 Speed and Density

Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	45.9
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	6.5
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	8.2		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	16.3
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLTL	Total Lateral Clearance (TLC), ft	10
Free-Flow Speed (FFS), mi/h	50.5		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	335	Heavy Vehicle Adjustment Factor (fHV)	0.991
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	180
Total Trucks, %	0.45	Capacity (c), pc/h/ln	2010
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2010
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.09
Direction 2 Speed and Density			
Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	50.5
Total Lateral Clearance Adj. (fLLC)	0.4	Density (D), pc/mi/ln	3.6
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	4.1		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	297	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F

HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing AM
Project Description	US 62 Leitchfield Loop to KY 86	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	2.9
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	12
Free-Flow Speed (FFS), mi/h	54.3		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	286	Heavy Vehicle Adjustment Factor (fHV)	0.990
Peak Hour Factor	0.94	Flow Rate (V _p), pc/h/ln	154
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2086
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c _{adj}), pc/h/ln	2086
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.07

Direction 1 Speed and Density

Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	54.3
Total Lateral Clearance Adj. (fLLC)	0.0	Density (D), pc/mi/ln	2.8
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	0.7		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	0.7
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	12
Free-Flow Speed (FFS), mi/h	54.8		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	225	Heavy Vehicle Adjustment Factor (fhv)	0.990
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	121
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2096
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2096
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.06
Direction 2 Speed and Density			
Lane Width Adjustment (flw)	0.0	Average Speed (S), mi/h	54.8
Total Lateral Clearance Adj. (fLLC)	0.0	Density (D), pc/mi/ln	2.2
Median Type Adjustment (fm)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fa)	0.2		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	152	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F

HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing AM
Project Description	US 62 KY 86 to MP 14.406	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	4.2
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	12
Free-Flow Speed (FFS), mi/h	54.0		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	551	Heavy Vehicle Adjustment Factor (fhv)	0.990
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	296
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2080
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2080
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.14

Direction 1 Speed and Density

Lane Width Adjustment (flw)	0.0	Average Speed (S), mi/h	54.0
Total Lateral Clearance Adj. (fLLC)	0.0	Density (D), pc/mi/ln	5.5
Median Type Adjustment (fm)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fa)	1.1		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	4.2
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	12
Free-Flow Speed (FFS), mi/h	54.0		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	277	Heavy Vehicle Adjustment Factor (fHV)	0.990
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	149
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2080
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2080
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.07
Direction 2 Speed and Density			
Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	54.0
Total Lateral Clearance Adj. (fLLC)	0.0	Density (D), pc/mi/ln	2.8
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	1.1		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	293	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F

HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing AM
Project Description	US 62 MP 14.406 to KY 3005	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	5.9
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	52.6		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	551	Heavy Vehicle Adjustment Factor (fHV)	0.990
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	296
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2052
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2052
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.14

Direction 1 Speed and Density

Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	52.6
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	5.6
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	1.5		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	11.8
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	51.2		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	277	Heavy Vehicle Adjustment Factor (fhv)	0.990
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	149
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2024
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2024
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.07
Direction 2 Speed and Density			
Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	51.2
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	2.9
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	2.9		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	293	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F

HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing PM
Project Description	US 62 KY 3005 to KY 1904	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	32.7
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLTL	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	45.9		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	448	Heavy Vehicle Adjustment Factor (fHV)	0.991
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	240
Total Trucks, %	0.45	Capacity (c), pc/h/ln	1918
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	1918
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.13

Direction 1 Speed and Density

Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	45.9
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	5.2
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	8.2		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	16.3
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLTL	Total Lateral Clearance (TLC), ft	10
Free-Flow Speed (FFS), mi/h	50.5		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	443	Heavy Vehicle Adjustment Factor (fhv)	0.991
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	238
Total Trucks, %	0.45	Capacity (c), pc/h/ln	2010
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2010
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.12
Direction 2 Speed and Density			
Lane Width Adjustment (flw)	0.0	Average Speed (S), mi/h	50.5
Total Lateral Clearance Adj. (fLLC)	0.4	Density (D), pc/mi/ln	4.7
Median Type Adjustment (fm)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fa)	4.1		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	238	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F

HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing PM
Project Description	US 62 Leitchfield Loop to KY 86	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	2.9
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	12
Free-Flow Speed (FFS), mi/h	54.3		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	258	Heavy Vehicle Adjustment Factor (fHV)	0.990
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	138
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2086
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2086
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.07

Direction 1 Speed and Density

Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	54.3
Total Lateral Clearance Adj. (fLLC)	0.0	Density (D), pc/mi/ln	2.5
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	0.7		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	0.7
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	12
Free-Flow Speed (FFS), mi/h	54.8		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	328	Heavy Vehicle Adjustment Factor (fHV)	0.990
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	176
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2096
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2096
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.08
Direction 2 Speed and Density			
Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	54.8
Total Lateral Clearance Adj. (fLLC)	0.0	Density (D), pc/mi/ln	3.2
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	0.2		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	137	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F

HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing PM
Project Description	US 62 KY 86 to MP 14.406	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	4.2
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	12
Free-Flow Speed (FFS), mi/h	54.0		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	275	Heavy Vehicle Adjustment Factor (fhv)	0.990
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	148
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2080
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2080
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.07

Direction 1 Speed and Density

Lane Width Adjustment (flw)	0.0	Average Speed (S), mi/h	54.0
Total Lateral Clearance Adj. (fLLC)	0.0	Density (D), pc/mi/ln	2.7
Median Type Adjustment (fm)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fa)	1.1		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	4.2
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	53.1		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	525	Heavy Vehicle Adjustment Factor (fHV)	0.990
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	282
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2060
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2060
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.14
Direction 2 Speed and Density			
Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	53.0
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	5.3
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	1.1		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	146	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F

HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Existing PM
Project Description	US 62 MP 14.406 to KY 3005	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	5.9
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	52.6		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	275	Heavy Vehicle Adjustment Factor (fHV)	0.990
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	148
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2052
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2052
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.07

Direction 1 Speed and Density

Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	52.6
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	2.8
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	1.5		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	11.8
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	51.2		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	525	Heavy Vehicle Adjustment Factor (fhv)	0.990
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	282
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2024
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2024
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.14
Direction 2 Speed and Density			
Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	51.2
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	5.5
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	2.9		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	146	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F

TELESTO TRAFFIC IMPACT STUDY

Appendix B

B-2 – HIGHWAY CAPACITY SOFTWARE (HCS 7) FILES (CONSTRUCTION PERIOD)



HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/13/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction AM
Project Description	KY 86	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	1056
Lane Width, ft	9	Shoulder Width, ft	4
Speed Limit, mi/h	55	Access Point Density, pts/mi	32.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	297	Opposing Demand Flow Rate, veh/h	236
Peak Hour Factor	0.94	Total Trucks, %	0.77
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.17

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	51.5
Speed Slope Coefficient (m)	3.05646	Speed Power Coefficient (p)	0.52969
PF Slope Coefficient (m)	-1.34524	PF Power Coefficient (p)	0.75541
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	2.5
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	1056	-	-	50.2

Vehicle Results

Average Speed, mi/h	50.2	Percent Followers, %	41.6
Segment Travel Time, minutes	0.24	Follower Density (FD), followers/mi/ln	2.5
Vehicle LOS	B		

Segment 2

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	7102
Lane Width, ft	9	Shoulder Width, ft	2
Speed Limit, mi/h	35	Access Point Density, pts/mi	38.5

Demand and Capacity

Directional Demand Flow Rate, veh/h	297	Opposing Demand Flow Rate, veh/h	296
Peak Hour Factor	0.94	Total Trucks, %	0.77

Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.17
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Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	25.6
Speed Slope Coefficient (m)	1.72439	Speed Power Coefficient (p)	0.52969
PF Slope Coefficient (m)	-1.14714	PF Power Coefficient (p)	0.67489
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	4.7
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

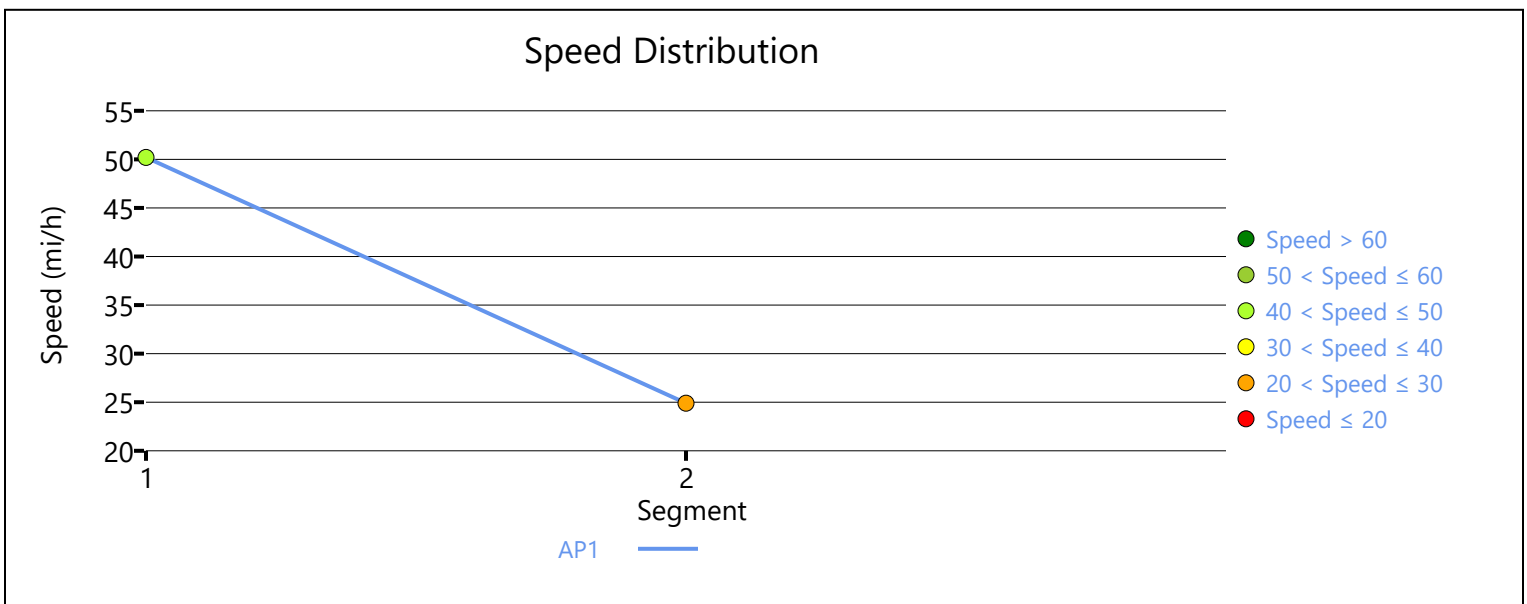
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	7102	-	-	24.9

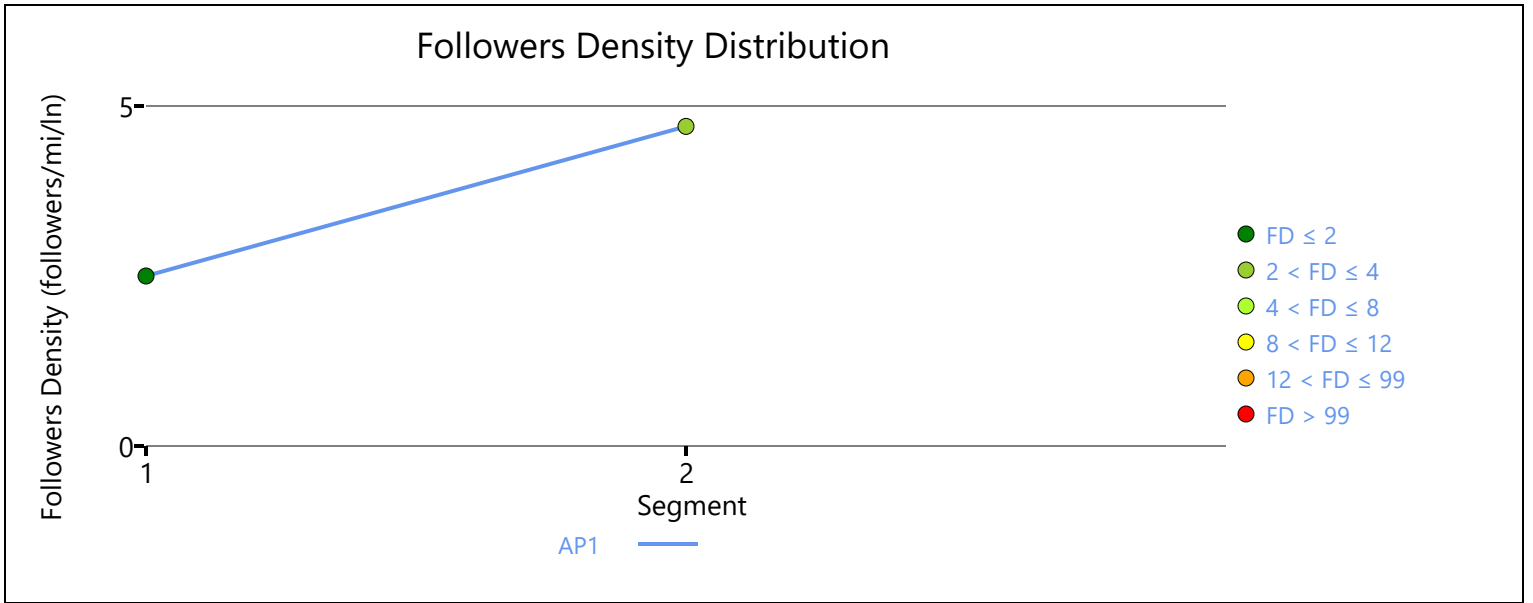
Vehicle Results

Average Speed, mi/h	24.9	Percent Followers, %	39.7
Segment Travel Time, minutes	3.24	Follower Density (FD), followers/mi/ln	4.7
Vehicle LOS	B		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	108	0.11	4.4	B





HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/13/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction PM
Project Description	KY 86	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	1056
Lane Width, ft	9	Shoulder Width, ft	4
Speed Limit, mi/h	55	Access Point Density, pts/mi	32.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	362	Opposing Demand Flow Rate, veh/h	287
Peak Hour Factor	0.94	Total Trucks, %	0.77
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.21

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	51.5
Speed Slope Coefficient (m)	3.07284	Speed Power Coefficient (p)	0.51790
PF Slope Coefficient (m)	-1.35775	PF Power Coefficient (p)	0.75268
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	3.4
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	1056	-	-	49.9

Vehicle Results

Average Speed, mi/h	49.9	Percent Followers, %	46.8
Segment Travel Time, minutes	0.24	Follower Density (FD), followers/mi/ln	3.4
Vehicle LOS	B		

Segment 2

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	7102
Lane Width, ft	9	Shoulder Width, ft	2
Speed Limit, mi/h	35	Access Point Density, pts/mi	38.5

Demand and Capacity

Directional Demand Flow Rate, veh/h	362	Opposing Demand Flow Rate, veh/h	287
Peak Hour Factor	0.94	Total Trucks, %	0.77

Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.21
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Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	25.6
Speed Slope Coefficient (m)	1.74077	Speed Power Coefficient (p)	0.51790
PF Slope Coefficient (m)	-1.16001	PF Power Coefficient (p)	0.67071
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	6.5
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

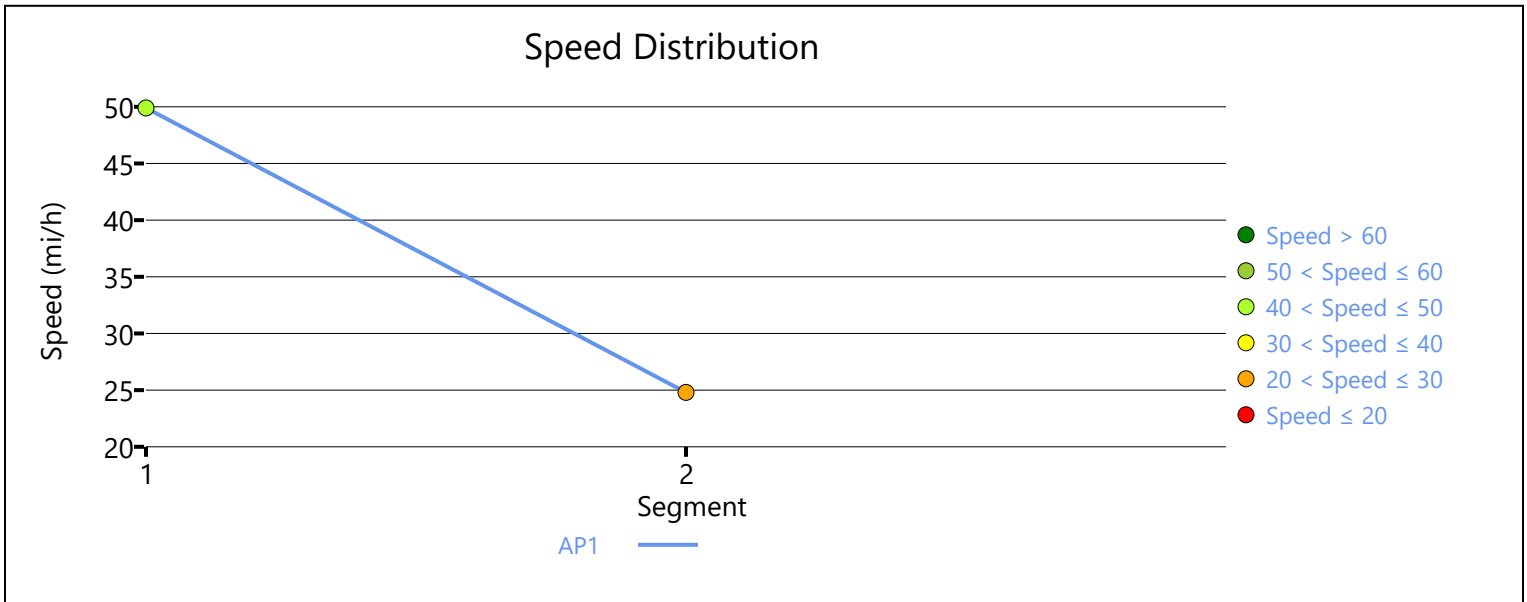
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	7102	-	-	24.8

Vehicle Results

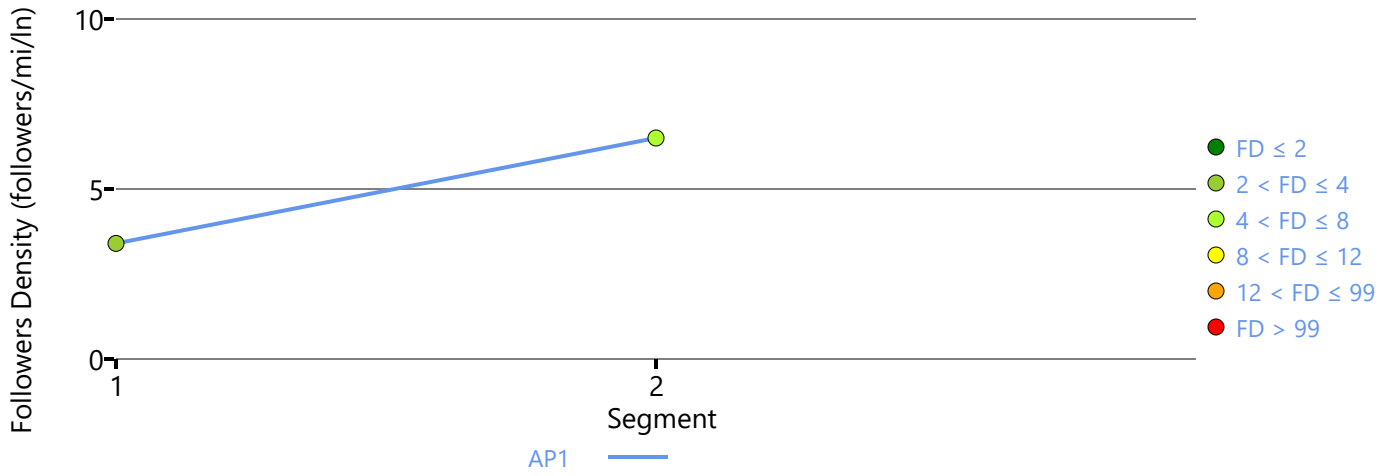
Average Speed, mi/h	24.8	Percent Followers, %	44.4
Segment Travel Time, minutes	3.26	Follower Density (FD), followers/mi/ln	6.5
Vehicle LOS	C		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	131	0.17	6.1	C



Followers Density Distribution



HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/13/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction AM
Project Description	KY 253	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	14304
Lane Width, ft	9	Shoulder Width, ft	4
Speed Limit, mi/h	55	Access Point Density, pts/mi	14.8

Demand and Capacity

Directional Demand Flow Rate, veh/h	32	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.02

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	55.7
Speed Slope Coefficient (m)	3.64793	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.38007	PF Power Coefficient (p)	0.68685
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.1
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	14304	-	-	55.7

Vehicle Results

Average Speed, mi/h	55.7	Percent Followers, %	12.1
Segment Travel Time, minutes	2.92	Follower Density (FD), followers/mi/ln	0.1
Vehicle LOS	A		

Segment 2

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	2344
Lane Width, ft	9	Shoulder Width, ft	4
Speed Limit, mi/h	35	Access Point Density, pts/mi	29.5

Demand and Capacity

Directional Demand Flow Rate, veh/h	32	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00

Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.02
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Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	29.2
Speed Slope Coefficient (m)	2.11110	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.41362	PF Power Coefficient (p)	0.63812
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.2
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

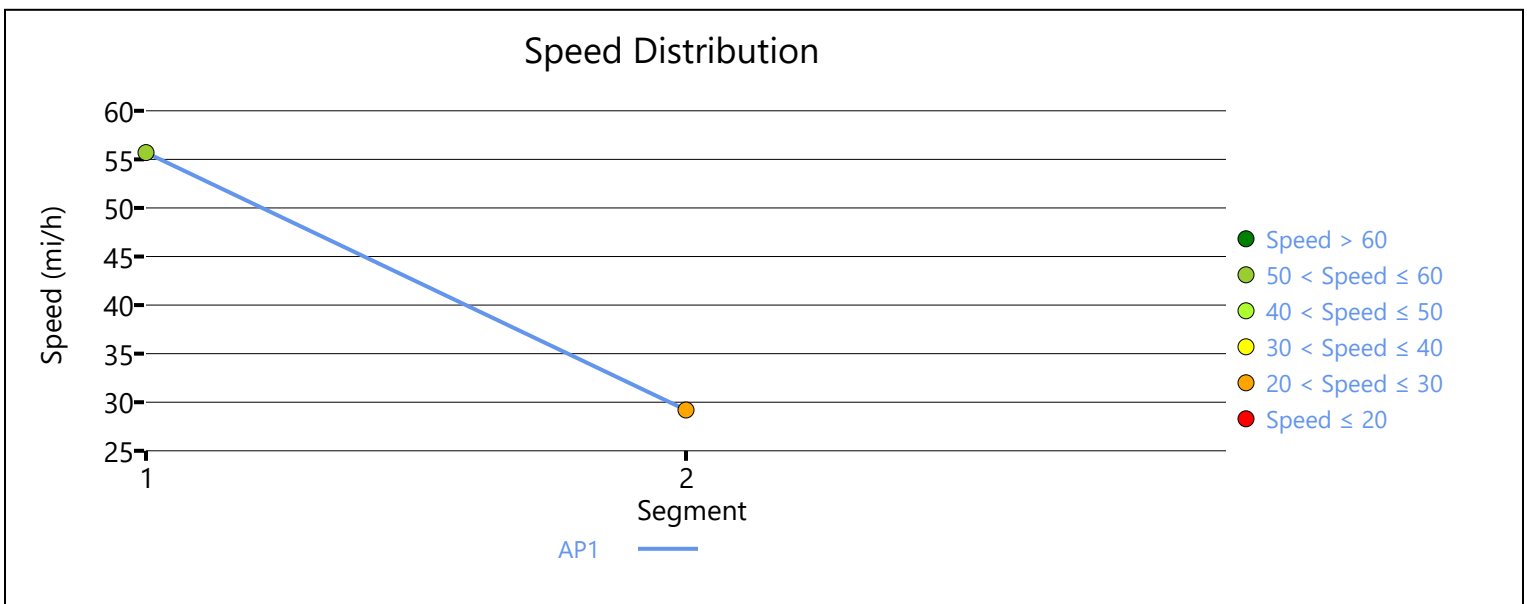
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2344	-	-	29.2

Vehicle Results

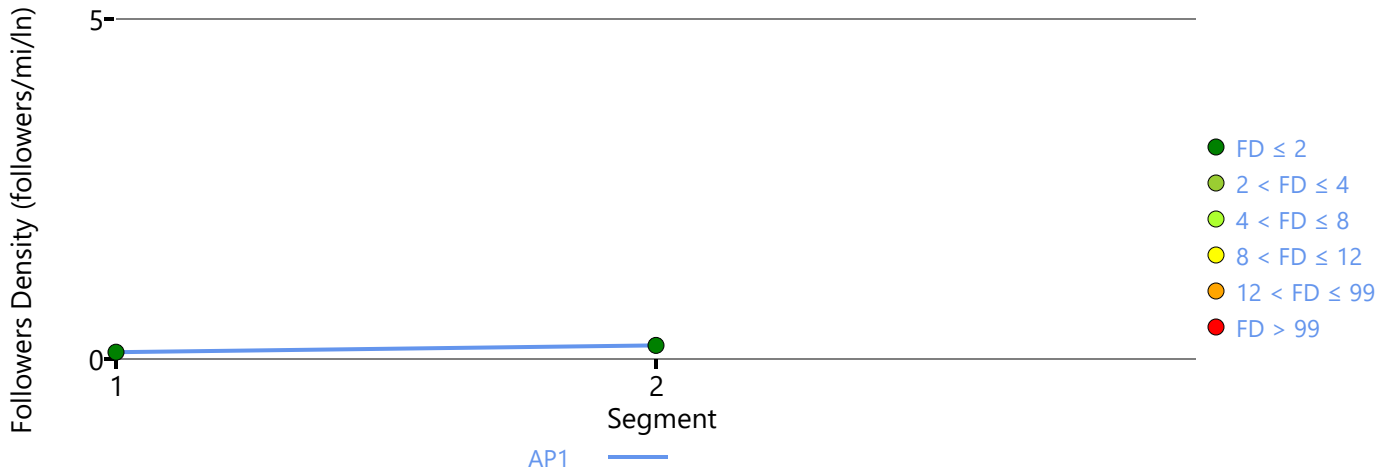
Average Speed, mi/h	29.2	Percent Followers, %	14.5
Segment Travel Time, minutes	0.91	Follower Density (FD), followers/mi/ln	0.2
Vehicle LOS	A		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	24	0.00	0.1	A



Followers Density Distribution



HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/13/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction PM
Project Description	KY 253	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	14304
Lane Width, ft	9	Shoulder Width, ft	4
Speed Limit, mi/h	55	Access Point Density, pts/mi	14.8

Demand and Capacity

Directional Demand Flow Rate, veh/h	48	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.03

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	55.7
Speed Slope Coefficient (m)	3.64793	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.38007	PF Power Coefficient (p)	0.68685
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.1
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	14304	-	-	55.7

Vehicle Results

Average Speed, mi/h	55.7	Percent Followers, %	15.7
Segment Travel Time, minutes	2.92	Follower Density (FD), followers/mi/ln	0.1
Vehicle LOS	A		

Segment 2

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	2344
Lane Width, ft	9	Shoulder Width, ft	4
Speed Limit, mi/h	35	Access Point Density, pts/mi	29.5

Demand and Capacity

Directional Demand Flow Rate, veh/h	48	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00

Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.03
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Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	29.2
Speed Slope Coefficient (m)	2.11110	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.41362	PF Power Coefficient (p)	0.63812
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.3
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

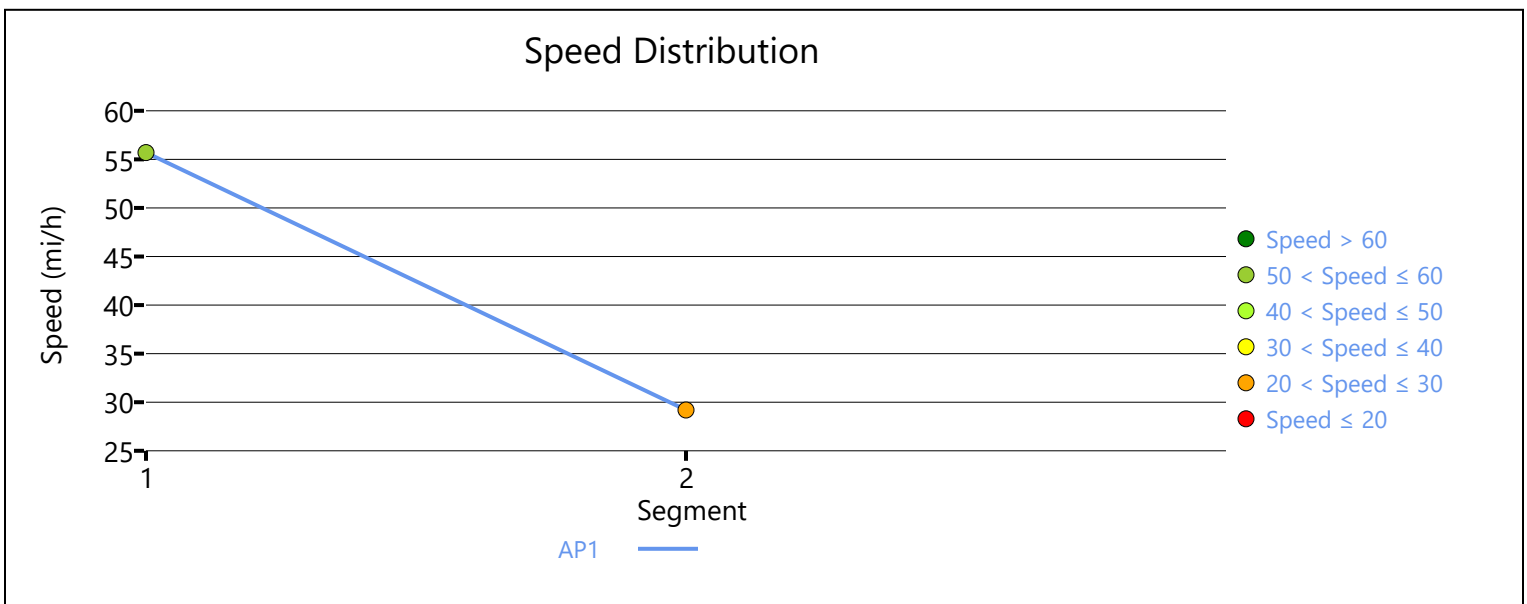
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2344	-	-	29.2

Vehicle Results

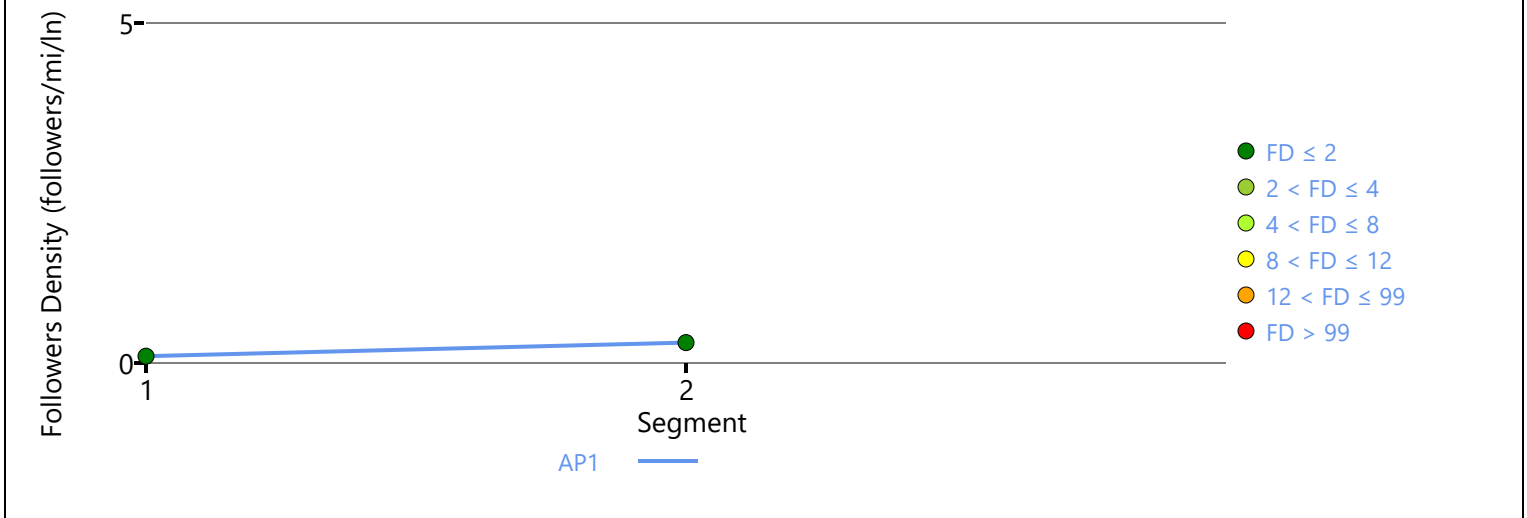
Average Speed, mi/h	29.2	Percent Followers, %	18.4
Segment Travel Time, minutes	0.91	Follower Density (FD), followers/mi/ln	0.3
Vehicle LOS	A		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	35	0.00	0.2	A



Followers Density Distribution



HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/13/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction AM
Project Description	KY 1357	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	755
Lane Width, ft	10	Shoulder Width, ft	5
Speed Limit, mi/h	45	Access Point Density, pts/mi	24.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	554	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.33

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	43.4
Speed Slope Coefficient (m)	2.85999	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.50122	PF Power Coefficient (p)	0.69001
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	8.5
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	755	-	-	41.3

Vehicle Results

Average Speed, mi/h	41.3	Percent Followers, %	63.2
Segment Travel Time, minutes	0.21	Follower Density (FD), followers/mi/ln	8.5
Vehicle LOS	C		

Segment 2

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	2524
Lane Width, ft	10	Shoulder Width, ft	1
Speed Limit, mi/h	45	Access Point Density, pts/mi	33.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	554	Opposing Demand Flow Rate, veh/h	495
Peak Hour Factor	0.94	Total Trucks, %	0.58

Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.33
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Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	38.3
Speed Slope Coefficient (m)	2.42073	Speed Power Coefficient (p)	0.49130
PF Slope Coefficient (m)	-1.33176	PF Power Coefficient (p)	0.71479
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	8.8
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2524	-	-	36.7

Vehicle Results

Average Speed, mi/h	36.7	Percent Followers, %	58.2
Segment Travel Time, minutes	0.78	Follower Density (FD), followers/mi/ln	8.8
Vehicle LOS	C		

Segment 3

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	739
Lane Width, ft	10	Shoulder Width, ft	1
Speed Limit, mi/h	45	Access Point Density, pts/mi	24.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	554	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.33

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	40.6
Speed Slope Coefficient (m)	2.70823	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.50514	PF Power Coefficient (p)	0.67930
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	9.1
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	739	-	-	38.6

Vehicle Results

Average Speed, mi/h	38.6	Percent Followers, %	63.5
Segment Travel Time, minutes	0.22	Follower Density (FD), followers/mi/ln	9.1
Vehicle LOS	C		

Segment 4

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Vehicle Inputs			
Segment Type	Passing Zone	Length, ft	3078
Lane Width, ft	10	Shoulder Width, ft	5
Speed Limit, mi/h	55	Access Point Density, pts/mi	27.6

Demand and Capacity			
Directional Demand Flow Rate, veh/h	271	Opposing Demand Flow Rate, veh/h	214
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.16

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	53.9
Speed Slope Coefficient (m)	3.20651	Speed Power Coefficient (p)	0.53545
PF Slope Coefficient (m)	-1.26800	PF Power Coefficient (p)	0.78611
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.9
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data					
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	3078	-	-	52.6

Vehicle Results			
Average Speed, mi/h	52.6	Percent Followers, %	36.5
Segment Travel Time, minutes	0.66	Follower Density (FD), followers/mi/ln	1.9
Vehicle LOS	A		

Segment 5

Vehicle Inputs			
Segment Type	Passing Constrained	Length, ft	5317
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	12.9

Demand and Capacity			
Directional Demand Flow Rate, veh/h	271	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.16

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	54.1
Speed Slope Coefficient (m)	3.49079	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.34268	PF Power Coefficient (p)	0.74445
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	2.1
%Improvement to Percent Followers	0.0	%Improvement to Speed	Case 2022-00096

Subsegment Data			
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#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5317	-	-	52.4

Vehicle Results

Average Speed, mi/h	52.4	Percent Followers, %	39.9
Segment Travel Time, minutes	1.15	Follower Density (FD), followers/mi/ln	2.1
Vehicle LOS	B		

Segment 6

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	935
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	12.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	271	Opposing Demand Flow Rate, veh/h	214
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.16

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	54.3
Speed Slope Coefficient (m)	3.20088	Speed Power Coefficient (p)	0.53545
PF Slope Coefficient (m)	-1.33123	PF Power Coefficient (p)	0.76511
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	2.0
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	935	-	-	53.0

Vehicle Results

Average Speed, mi/h	53.0	Percent Followers, %	38.8
Segment Travel Time, minutes	0.20	Follower Density (FD), followers/mi/ln	2.0
Vehicle LOS	A		

Segment 7

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	7455
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	16.3

Demand and Capacity

Directional Demand Flow Rate, veh/h	152	Opposing Demand Flow Rate, veh/h	
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	53.2
Speed Slope Coefficient (m)	3.46317	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.34219	PF Power Coefficient (p)	0.73475
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.8
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data					
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	7455	-	-	52.2

Vehicle Results			
Average Speed, mi/h	52.2	Percent Followers, %	28.6
Segment Travel Time, minutes	1.62	Follower Density (FD), followers/mi/ln	0.8
Vehicle LOS	A		

Segment 8

Vehicle Inputs			
Segment Type	Passing Zone	Length, ft	3374
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	17.2

Demand and Capacity			
Directional Demand Flow Rate, veh/h	152	Opposing Demand Flow Rate, veh/h	120
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.09

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	53.0
Speed Slope Coefficient (m)	3.12347	Speed Power Coefficient (p)	0.56572
PF Slope Coefficient (m)	-1.23547	PF Power Coefficient (p)	0.79277
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.7
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data					
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	3374	-	-	52.4

Vehicle Results			
Average Speed, mi/h	52.4	Percent Followers, %	24.2
Segment Travel Time, minutes	0.73	Follower Density (FD), followers/mi/ln	0.7
Vehicle LOS	A		

Segment 9

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Vehicle Inputs			
Segment Type	Passing Constrained	Length, ft	2904
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	23.6

Demand and Capacity			
Directional Demand Flow Rate, veh/h	152	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.09

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	51.4
Speed Slope Coefficient (m)	3.31797	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.39749	PF Power Coefficient (p)	0.73259
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.9
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data					
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2904	-	-	50.4

Vehicle Results			
Average Speed, mi/h	50.4	Percent Followers, %	29.7
Segment Travel Time, minutes	0.65	Follower Density (FD), followers/mi/ln	0.9
Vehicle LOS	A		

Segment 10

Vehicle Inputs			
Segment Type	Passing Zone	Length, ft	3833
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	5.5

Demand and Capacity			
Directional Demand Flow Rate, veh/h	152	Opposing Demand Flow Rate, veh/h	120
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.09

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	55.9
Speed Slope Coefficient (m)	3.28754	Speed Power Coefficient (p)	0.56572
PF Slope Coefficient (m)	-1.21929	PF Power Coefficient (p)	0.80371
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.6
%Improvement to Percent Followers	0.0	%Improvement to Speed	Case 2022-00096

Subsegment Data			
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#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	3833	-	-	55.3

Vehicle Results

Average Speed, mi/h	55.3	Percent Followers, %	23.5
Segment Travel Time, minutes	0.79	Follower Density (FD), followers/mi/ln	0.6
Vehicle LOS	A		

Segment 11

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	3957
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	6.7

Demand and Capacity

Directional Demand Flow Rate, veh/h	152	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.09

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	55.6
Speed Slope Coefficient (m)	3.56062	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.34698	PF Power Coefficient (p)	0.74847
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.8
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	3957	-	-	54.6

Vehicle Results

Average Speed, mi/h	54.6	Percent Followers, %	28.0
Segment Travel Time, minutes	0.82	Follower Density (FD), followers/mi/ln	0.8
Vehicle LOS	A		

Segment 12

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	1742
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	0.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	152	Opposing Demand Flow Rate, veh/h	120
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.14

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	57.3
Speed Slope Coefficient (m)	3.33321	Speed Power Coefficient (p)	0.56572
PF Slope Coefficient (m)	-1.26892	PF Power Coefficient (p)	0.78878
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.7
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

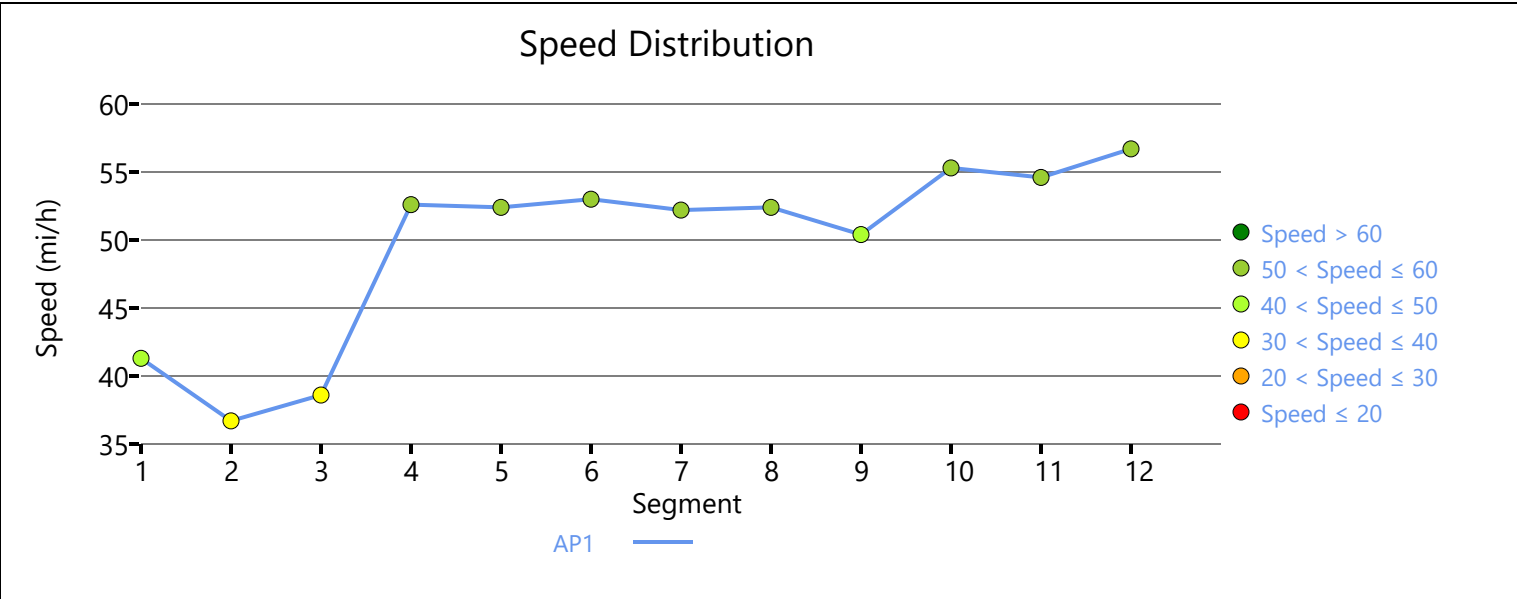
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	1742	-	-	56.7

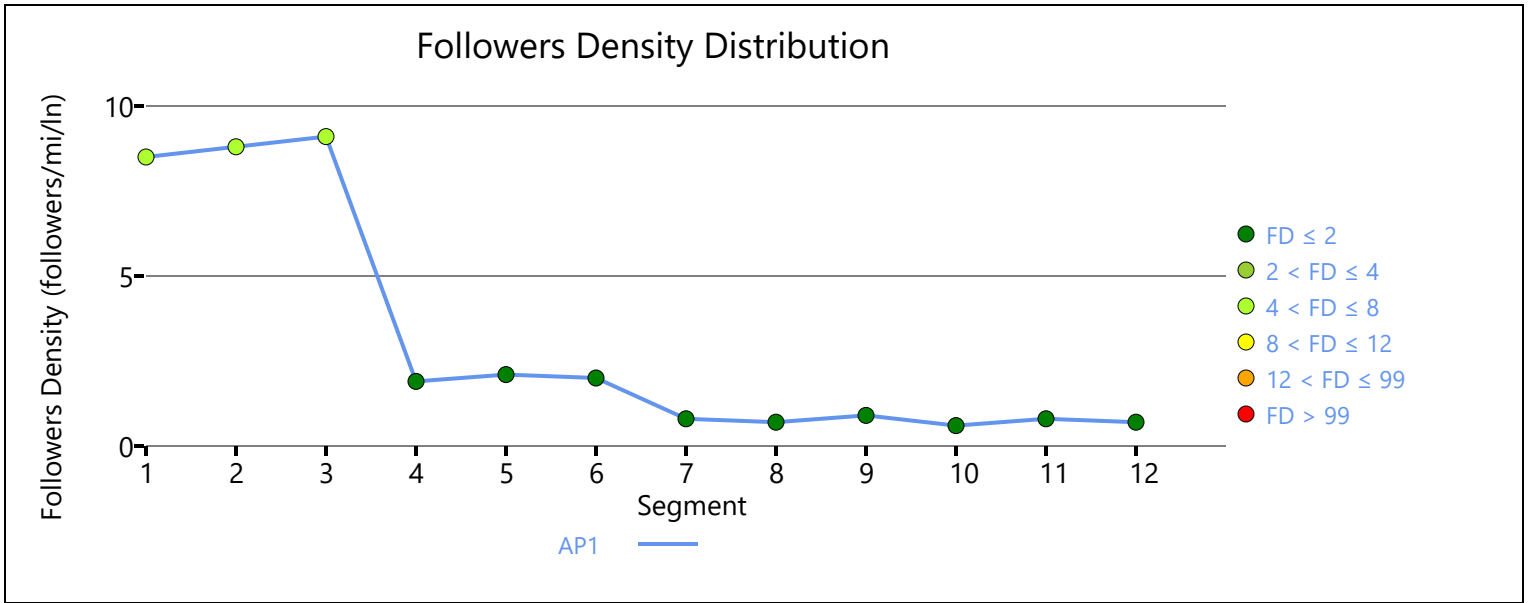
Vehicle Results

Average Speed, mi/h	56.7	Percent Followers, %	25.0
Segment Travel Time, minutes	0.35	Follower Density (FD), followers/mi/ln	0.7
Vehicle LOS	A		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	369	0.22	2.0	A





HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/13/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction PM
Project Description	KY 1357	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	755
Lane Width, ft	10	Shoulder Width, ft	5
Speed Limit, mi/h	45	Access Point Density, pts/mi	24.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	440	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.26

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	43.4
Speed Slope Coefficient (m)	2.85999	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.50122	PF Power Coefficient (p)	0.69001
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	6.1
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	755	-	-	41.6

Vehicle Results

Average Speed, mi/h	41.6	Percent Followers, %	57.4
Segment Travel Time, minutes	0.21	Follower Density (FD), followers/mi/ln	6.1
Vehicle LOS	C		

Segment 2

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	2524
Lane Width, ft	10	Shoulder Width, ft	1
Speed Limit, mi/h	45	Access Point Density, pts/mi	33.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	440	Opposing Demand Flow Rate, veh/h	346
Peak Hour Factor	0.94	Total Trucks, %	0.58

Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.26
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Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	38.3
Speed Slope Coefficient (m)	2.39725	Speed Power Coefficient (p)	0.50625
PF Slope Coefficient (m)	-1.31364	PF Power Coefficient (p)	0.71901
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	6.2
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2524	-	-	36.9

Vehicle Results

Average Speed, mi/h	36.9	Percent Followers, %	51.7
Segment Travel Time, minutes	0.78	Follower Density (FD), followers/mi/ln	6.2
Vehicle LOS	C		

Segment 3

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	739
Lane Width, ft	10	Shoulder Width, ft	1
Speed Limit, mi/h	45	Access Point Density, pts/mi	24.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	440	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.26

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	40.6
Speed Slope Coefficient (m)	2.70823	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.50514	PF Power Coefficient (p)	0.67930
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	6.5
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	739	-	-	38.9

Vehicle Results

Average Speed, mi/h	38.9	Percent Followers, %	57.8
Segment Travel Time, minutes	0.22	Follower Density (FD), followers/mi/ln	6.5
Vehicle LOS	C		

Segment 4

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Vehicle Inputs					
Segment Type		Passing Zone	Length, ft	3078	
Lane Width, ft		10	Shoulder Width, ft	5	
Speed Limit, mi/h		55	Access Point Density, pts/mi	27.6	
Demand and Capacity					
Directional Demand Flow Rate, veh/h		326	Opposing Demand Flow Rate, veh/h	255	
Peak Hour Factor		0.94	Total Trucks, %	0.56	
Segment Capacity, veh/h		1700	Demand/Capacity (D/C)	0.19	
Intermediate Results					
Segment Vertical Class		1	Free-Flow Speed, mi/h	53.9	
Speed Slope Coefficient (m)		3.22056	Speed Power Coefficient (p)	0.52506	
PF Slope Coefficient (m)		-1.27801	PF Power Coefficient (p)	0.78340	
In Passing Lane Effective Length?		No	Total Segment Density, veh/mi/ln	2.6	
%Improvement to Percent Followers		0.0	%Improvement to Speed	0.0	
Subsegment Data					
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	3078	-	-	52.4
Vehicle Results					
Average Speed, mi/h		52.4	Percent Followers, %	41.2	
Segment Travel Time, minutes		0.67	Follower Density (FD), followers/mi/ln	2.6	
Vehicle LOS		B			
Segment 5					
Vehicle Inputs					
Segment Type		Passing Constrained	Length, ft	5317	
Lane Width, ft		10	Shoulder Width, ft	0	
Speed Limit, mi/h		55	Access Point Density, pts/mi	12.9	
Demand and Capacity					
Directional Demand Flow Rate, veh/h		326	Opposing Demand Flow Rate, veh/h	-	
Peak Hour Factor		0.94	Total Trucks, %	0.56	
Segment Capacity, veh/h		1700	Demand/Capacity (D/C)	0.19	
Intermediate Results					
Segment Vertical Class		1	Free-Flow Speed, mi/h	54.1	
Speed Slope Coefficient (m)		3.49079	Speed Power Coefficient (p)	0.41674	
PF Slope Coefficient (m)		-1.34268	PF Power Coefficient (p)	0.74445	
In Passing Lane Effective Length?		No	Total Segment Density, veh/mi/ln	2.8	
%Improvement to Percent Followers		0.0	%Improvement to Speed	Case 2022-00096	
Subsegment Data					

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5317	-	-	52.2

Vehicle Results

Average Speed, mi/h	52.2	Percent Followers, %	44.1
Segment Travel Time, minutes	1.16	Follower Density (FD), followers/mi/ln	2.8
Vehicle LOS	B		

Segment 6

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	935
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	12.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	326	Opposing Demand Flow Rate, veh/h	255
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.19

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	54.3
Speed Slope Coefficient (m)	3.21493	Speed Power Coefficient (p)	0.52506
PF Slope Coefficient (m)	-1.34183	PF Power Coefficient (p)	0.76271
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	2.7
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	935	-	-	52.8

Vehicle Results

Average Speed, mi/h	52.8	Percent Followers, %	43.5
Segment Travel Time, minutes	0.20	Follower Density (FD), followers/mi/ln	2.7
Vehicle LOS	B		

Segment 7

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	7455
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	16.3

Demand and Capacity

Directional Demand Flow Rate, veh/h	191	Opposing Demand Flow Rate, veh/h	147
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.11

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	53.2
Speed Slope Coefficient (m)	3.46317	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.34219	PF Power Coefficient (p)	0.73475
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.2
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data					
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	7455	-	-	51.9

Vehicle Results			
Average Speed, mi/h	51.9	Percent Followers, %	32.9
Segment Travel Time, minutes	1.63	Follower Density (FD), followers/mi/ln	1.2
Vehicle LOS	A		

Segment 8

Vehicle Inputs			
Segment Type	Passing Zone	Length, ft	3374
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	17.2

Demand and Capacity			
Directional Demand Flow Rate, veh/h	191	Opposing Demand Flow Rate, veh/h	144
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.11

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	53.0
Speed Slope Coefficient (m)	3.13404	Speed Power Coefficient (p)	0.55696
PF Slope Coefficient (m)	-1.24382	PF Power Coefficient (p)	0.79057
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.0
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data					
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	3374	-	-	52.2

Vehicle Results			
Average Speed, mi/h	52.2	Percent Followers, %	28.6
Segment Travel Time, minutes	0.74	Follower Density (FD), followers/mi/ln	1.0
Vehicle LOS	A		

Segment 9

Vehicle Inputs			
Segment Type	Passing Constrained	Length, ft	2904
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	23.6

Demand and Capacity			
Directional Demand Flow Rate, veh/h	191	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.11

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	51.4
Speed Slope Coefficient (m)	3.31797	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.39749	PF Power Coefficient (p)	0.73259
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.3
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data					
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2904	-	-	50.1

Vehicle Results			
Average Speed, mi/h	50.1	Percent Followers, %	34.1
Segment Travel Time, minutes	0.66	Follower Density (FD), followers/mi/ln	1.3
Vehicle LOS	A		

Segment 10

Vehicle Inputs			
Segment Type	Passing Zone	Length, ft	3833
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	5.5

Demand and Capacity			
Directional Demand Flow Rate, veh/h	191	Opposing Demand Flow Rate, veh/h	144
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.11

Intermediate Results			
Segment Vertical Class	1	Free-Flow Speed, mi/h	55.9
Speed Slope Coefficient (m)	3.29811	Speed Power Coefficient (p)	0.55696
PF Slope Coefficient (m)	-1.22736	PF Power Coefficient (p)	0.80144
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.0
%Improvement to Percent Followers	0.0	%Improvement to Speed	Case 2022-00096

Subsegment Data			
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#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	3833	-	-	55.0

Vehicle Results

Average Speed, mi/h	55.0	Percent Followers, %	27.8
Segment Travel Time, minutes	0.79	Follower Density (FD), followers/mi/ln	1.0
Vehicle LOS	A		

Segment 11

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	3957
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	6.7

Demand and Capacity

Directional Demand Flow Rate, veh/h	191	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.11

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	55.6
Speed Slope Coefficient (m)	3.56062	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.34698	PF Power Coefficient (p)	0.74847
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.1
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	3957	-	-	54.3

Vehicle Results

Average Speed, mi/h	54.3	Percent Followers, %	32.4
Segment Travel Time, minutes	0.83	Follower Density (FD), followers/mi/ln	1.1
Vehicle LOS	A		

Segment 12

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	1742
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	0.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	191	Opposing Demand Flow Rate, veh/h	144
Peak Hour Factor	0.94	Total Trucks, %	0.56
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.150

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	57.3
Speed Slope Coefficient (m)	3.34379	Speed Power Coefficient (p)	0.55696
PF Slope Coefficient (m)	-1.27731	PF Power Coefficient (p)	0.78673
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.0
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

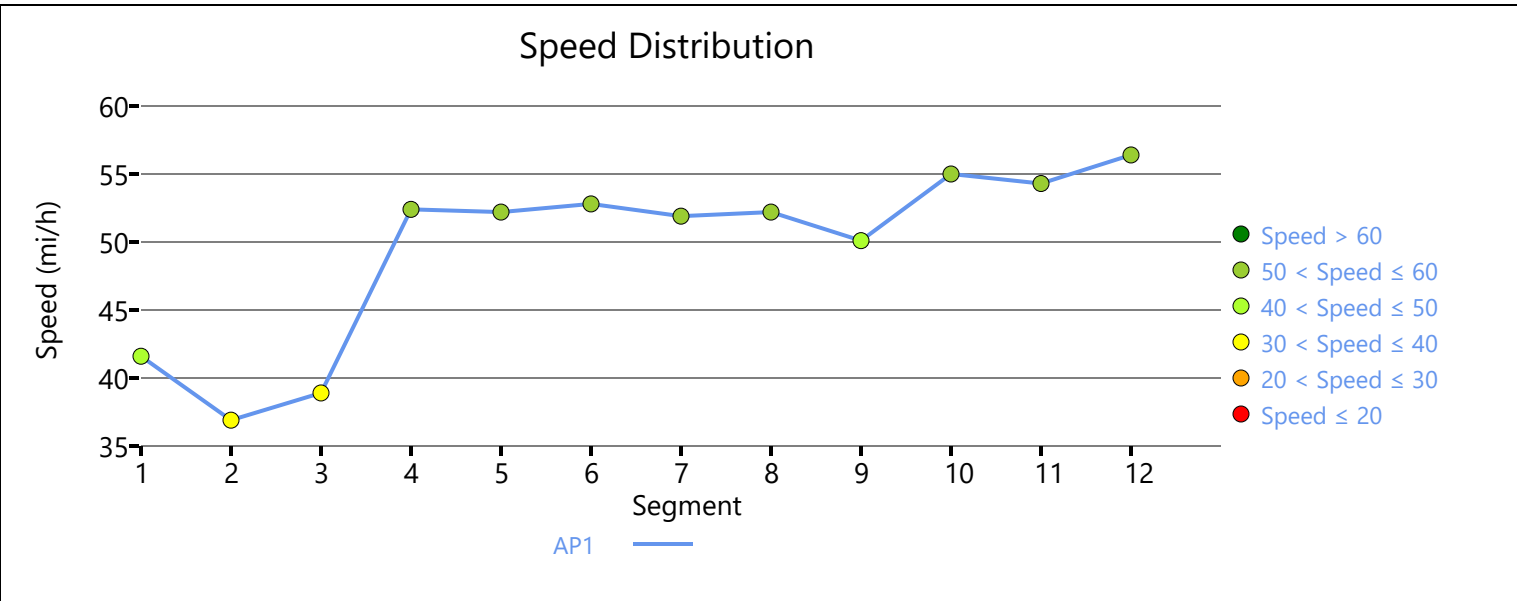
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	1742	-	-	56.4

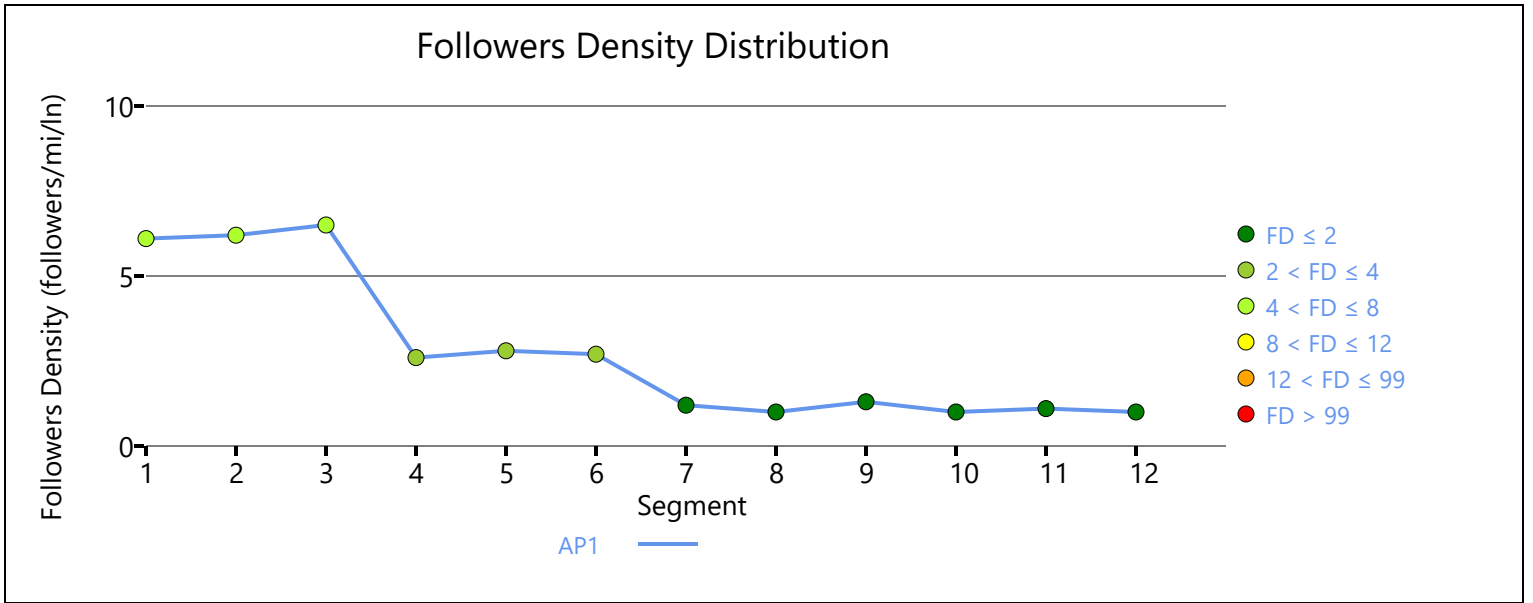
Vehicle Results

Average Speed, mi/h	56.4	Percent Followers, %	29.4
Segment Travel Time, minutes	0.35	Follower Density (FD), followers/mi/ln	1.0
Vehicle LOS	A		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	412	0.24	2.1	B





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HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/13/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction AM
Project Description	CR 1127V - Cecil Avenue	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	2424
Lane Width, ft	9	Shoulder Width, ft	0
Speed Limit, mi/h	25	Access Point Density, pts/mi	30.4

Demand and Capacity

Directional Demand Flow Rate, veh/h	83	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	0.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.05

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	14.9
Speed Slope Coefficient (m)	1.33457	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.20083	PF Power Coefficient (p)	0.55084
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.5
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2424	-	-	14.9

Vehicle Results

Average Speed, mi/h	14.9	Percent Followers, %	26.3
Segment Travel Time, minutes	1.85	Follower Density (FD), followers/mi/ln	1.5
Vehicle LOS	A		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	9	0.00	1.5	A

HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/13/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction PM
Project Description	CR 1127V - Cecil Avenue	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	2424
Lane Width, ft	9	Shoulder Width, ft	0
Speed Limit, mi/h	25	Access Point Density, pts/mi	30.4

Demand and Capacity

Directional Demand Flow Rate, veh/h	88	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	0.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.05

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	14.9
Speed Slope Coefficient (m)	1.33457	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.20083	PF Power Coefficient (p)	0.55084
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.6
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2424	-	-	14.9

Vehicle Results

Average Speed, mi/h	14.9	Percent Followers, %	27.1
Segment Travel Time, minutes	1.85	Follower Density (FD), followers/mi/ln	1.6
Vehicle LOS	A		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	10	0.00	1.6	A

HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/13/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction AM
Project Description	CR1395 Local Bridge	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	1056
Lane Width, ft	9	Shoulder Width, ft	0
Speed Limit, mi/h	25	Access Point Density, pts/mi	12.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	6	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.00

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	19.4
Speed Slope Coefficient (m)	1.56201	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.33682	PF Power Coefficient (p)	0.56223
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.0
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	1056	-	-	19.4

Vehicle Results

Average Speed, mi/h	19.4	Percent Followers, %	7.5
Segment Travel Time, minutes	0.62	Follower Density (FD), followers/mi/ln	0.0
Vehicle LOS	A		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	0	0.00	0.0	A

HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/13/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction PM
Project Description	CR1395 Local Bridge	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	1056
Lane Width, ft	9	Shoulder Width, ft	0
Speed Limit, mi/h	25	Access Point Density, pts/mi	12.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	13	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.01

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	19.4
Speed Slope Coefficient (m)	1.56201	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.33682	PF Power Coefficient (p)	0.56223
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.1
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	1056	-	-	19.4

Vehicle Results

Average Speed, mi/h	19.4	Percent Followers, %	10.9
Segment Travel Time, minutes	0.62	Follower Density (FD), followers/mi/ln	0.1
Vehicle LOS	A		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	1	0.00	0.1	A

HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/19/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction AM
Project Description	CS 1551 - North Black Branch Road	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	3485
Lane Width, ft	10	Shoulder Width, ft	2
Speed Limit, mi/h	35	Access Point Density, pts/mi	0.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	166	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.10

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	35.8
Speed Slope Coefficient (m)	2.48304	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.41585	PF Power Coefficient (p)	0.67841
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.6
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	3485	-	-	35.0

Vehicle Results

Average Speed, mi/h	35.0	Percent Followers, %	34.2
Segment Travel Time, minutes	1.13	Follower Density (FD), followers/mi/ln	1.6
Vehicle LOS	A		

Segment 2

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	4641
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	35	Access Point Density, pts/mi	10.2

Demand and Capacity

Directional Demand Flow Rate, veh/h	166	Opposing Demand Flow Rate, veh/h	166
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Case 2022-00096

App. Exh I

Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.10

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	31.9
Speed Slope Coefficient (m)	1.99866	Speed Power Coefficient (p)	0.56161
PF Slope Coefficient (m)	-1.18034	PF Power Coefficient (p)	0.71732
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.5
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	4641	-	-	31.4

Vehicle Results

Average Speed, mi/h	31.4	Percent Followers, %	27.8
Segment Travel Time, minutes	1.68	Follower Density (FD), followers/mi/ln	1.5
Vehicle LOS	A		

Segment 3

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	2534
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	35	Access Point Density, pts/mi	18.8

Demand and Capacity

Directional Demand Flow Rate, veh/h	166	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.10

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	29.7
Speed Slope Coefficient (m)	2.14079	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.41096	PF Power Coefficient (p)	0.64253
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	2.1
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2534	-	-	29.1

Vehicle Results

Average Speed, mi/h	29.1	Percent Followers, %	35.9
Segment Travel Time, minutes	0.99	Follower Density (FD), followers/mi/ln	2.1
Vehicle LOS	A		

Segment 4

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	861
Lane Width, ft	15	Shoulder Width, ft	2
Speed Limit, mi/h	25	Access Point Density, pts/mi	16.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	179	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.11

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	23.4
Speed Slope Coefficient (m)	1.77881	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.39985	PF Power Coefficient (p)	0.58855
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	3.1
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	861	-	-	22.8

Vehicle Results

Average Speed, mi/h	22.8	Percent Followers, %	39.8
Segment Travel Time, minutes	0.43	Follower Density (FD), followers/mi/ln	3.1
Vehicle LOS	B		

Segment 5

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	2820
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	25	Access Point Density, pts/mi	56.6

Demand and Capacity

Directional Demand Flow Rate, veh/h	179	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.11

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	13.0
Speed Slope Coefficient (m)	1.23888	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.14623	PF Power Coefficient (p)	0.54418
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	5.1
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

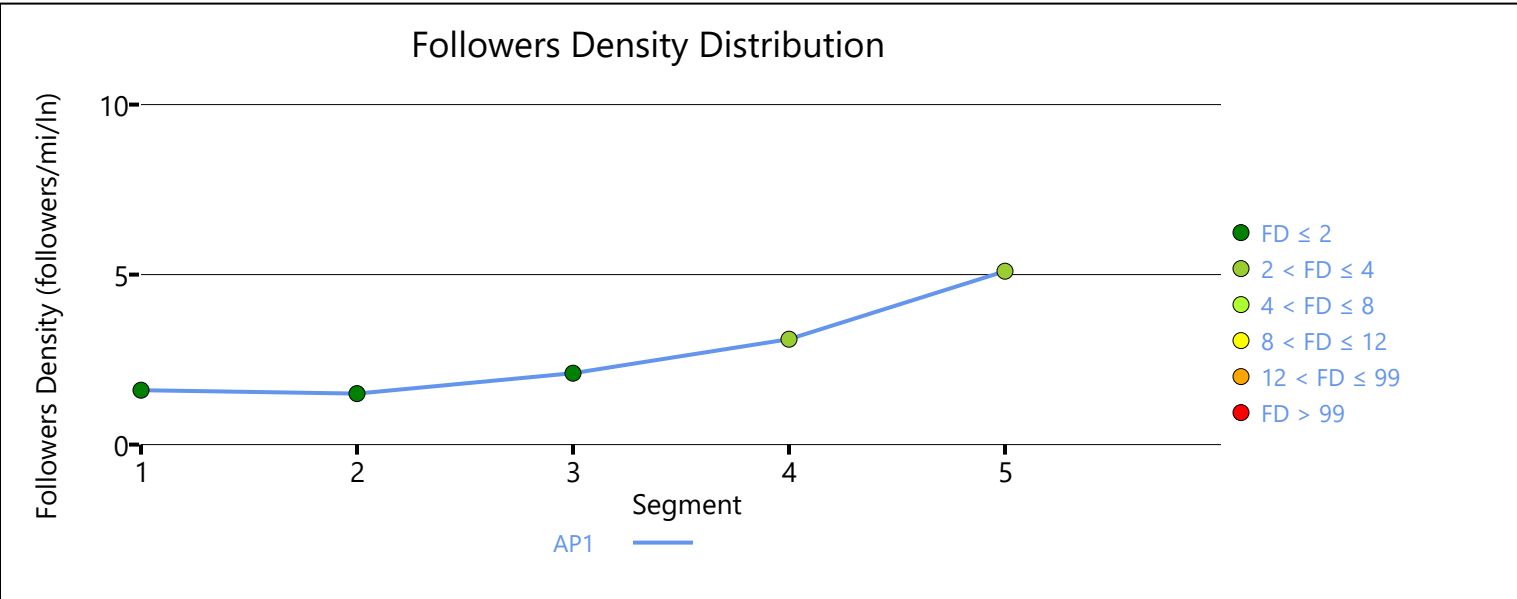
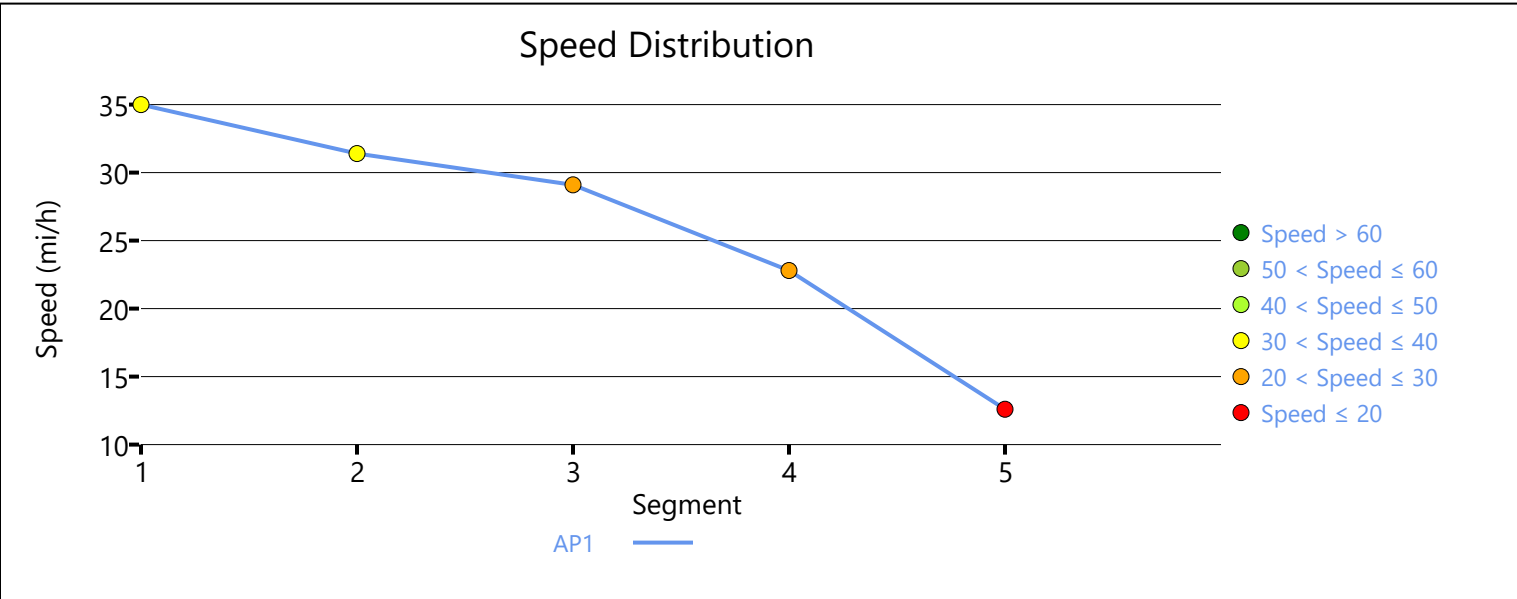
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2820	-	-	12.6

Vehicle Results

Average Speed, mi/h	12.6	Percent Followers, %	36.2
Segment Travel Time, minutes	2.54	Follower Density (FD), followers/mi/ln	5.1
Vehicle LOS	C		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	108	0.11	2.4	A



HCS Two-Lane Highway Report

Project Information

Analyst	ATW	Date	4/19/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction PM
Project Description	CS 1551 - North Black Branch Road	Units	U.S. Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	3485
Lane Width, ft	10	Shoulder Width, ft	2
Speed Limit, mi/h	35	Access Point Density, pts/mi	0.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	172	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.10

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	35.8
Speed Slope Coefficient (m)	2.48304	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.41585	PF Power Coefficient (p)	0.67841
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.7
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	3485	-	-	35.0

Vehicle Results

Average Speed, mi/h	35.0	Percent Followers, %	34.9
Segment Travel Time, minutes	1.13	Follower Density (FD), followers/mi/ln	1.7
Vehicle LOS	A		

Segment 2

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	4641
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	35	Access Point Density, pts/mi	10.2

Demand and Capacity

Directional Demand Flow Rate, veh/h	172	Opposing Demand Flow Rate, veh/h	172
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Case 2022-00096

App. Exh I

Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.10

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	31.9
Speed Slope Coefficient (m)	2.00105	Speed Power Coefficient (p)	0.55964
PF Slope Coefficient (m)	-1.18233	PF Power Coefficient (p)	0.71674
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.6
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	4641	-	-	31.4

Vehicle Results

Average Speed, mi/h	31.4	Percent Followers, %	28.5
Segment Travel Time, minutes	1.68	Follower Density (FD), followers/mi/ln	1.6
Vehicle LOS	A		

Segment 3

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	2534
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	35	Access Point Density, pts/mi	18.8

Demand and Capacity

Directional Demand Flow Rate, veh/h	172	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.10

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	29.7
Speed Slope Coefficient (m)	2.14079	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.41096	PF Power Coefficient (p)	0.64253
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	2.2
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2534	-	-	29.0

Vehicle Results

Average Speed, mi/h	29.0	Percent Followers, %	36.6
Segment Travel Time, minutes	0.99	Follower Density (FD), followers/mi/ln	2.2
Vehicle LOS	A		

Segment 4

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	861
Lane Width, ft	15	Shoulder Width, ft	2
Speed Limit, mi/h	25	Access Point Density, pts/mi	16.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	163	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.10

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	23.4
Speed Slope Coefficient (m)	1.77881	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.39985	PF Power Coefficient (p)	0.58855
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	2.7
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	861	-	-	22.9

Vehicle Results

Average Speed, mi/h	22.9	Percent Followers, %	38.2
Segment Travel Time, minutes	0.43	Follower Density (FD), followers/mi/ln	2.7
Vehicle LOS	B		

Segment 5

Vehicle Inputs

Segment Type	Passing Constrained	Length, ft	2820
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	25	Access Point Density, pts/mi	56.6

Demand and Capacity

Directional Demand Flow Rate, veh/h	163	Opposing Demand Flow Rate, veh/h	-
Peak Hour Factor	0.94	Total Trucks, %	2.00
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.10

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	13.0
Speed Slope Coefficient (m)	1.23888	Speed Power Coefficient (p)	0.41674
PF Slope Coefficient (m)	-1.14623	PF Power Coefficient (p)	0.54418
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	4.5
%Improvement to Percent Followers	0.0	%Improvement to Speed	0.0

Subsegment Data

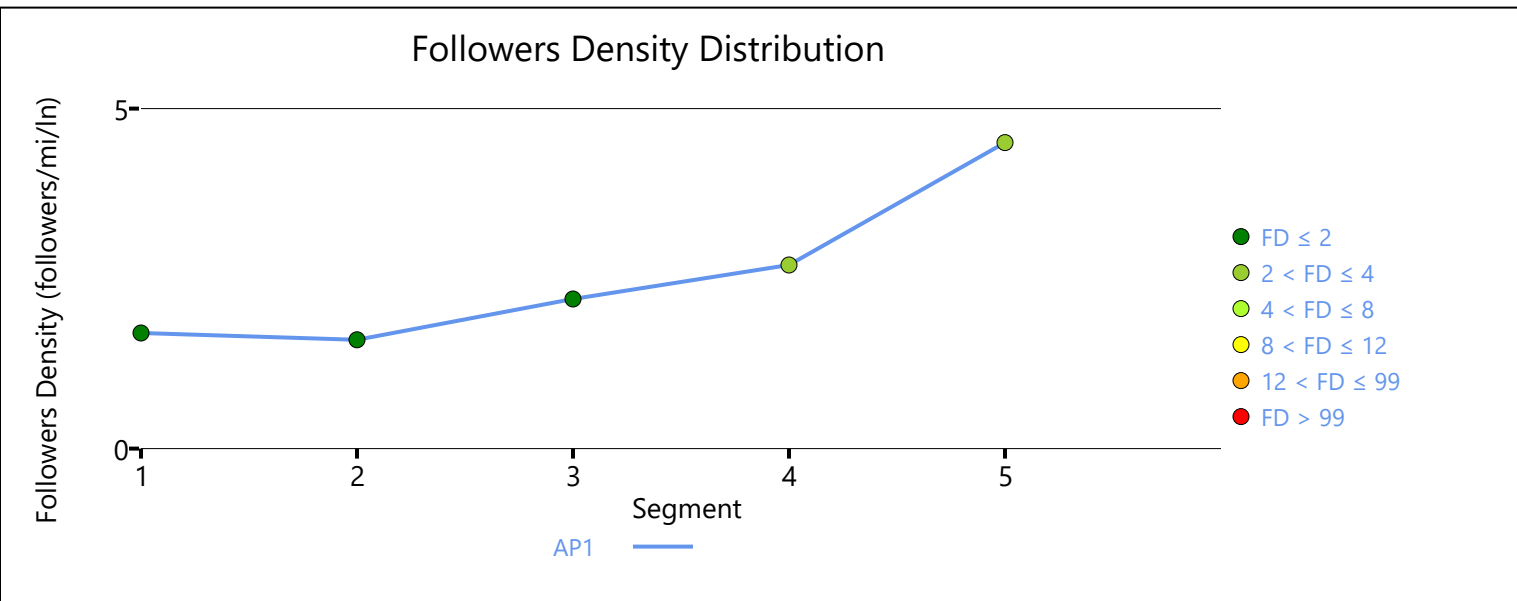
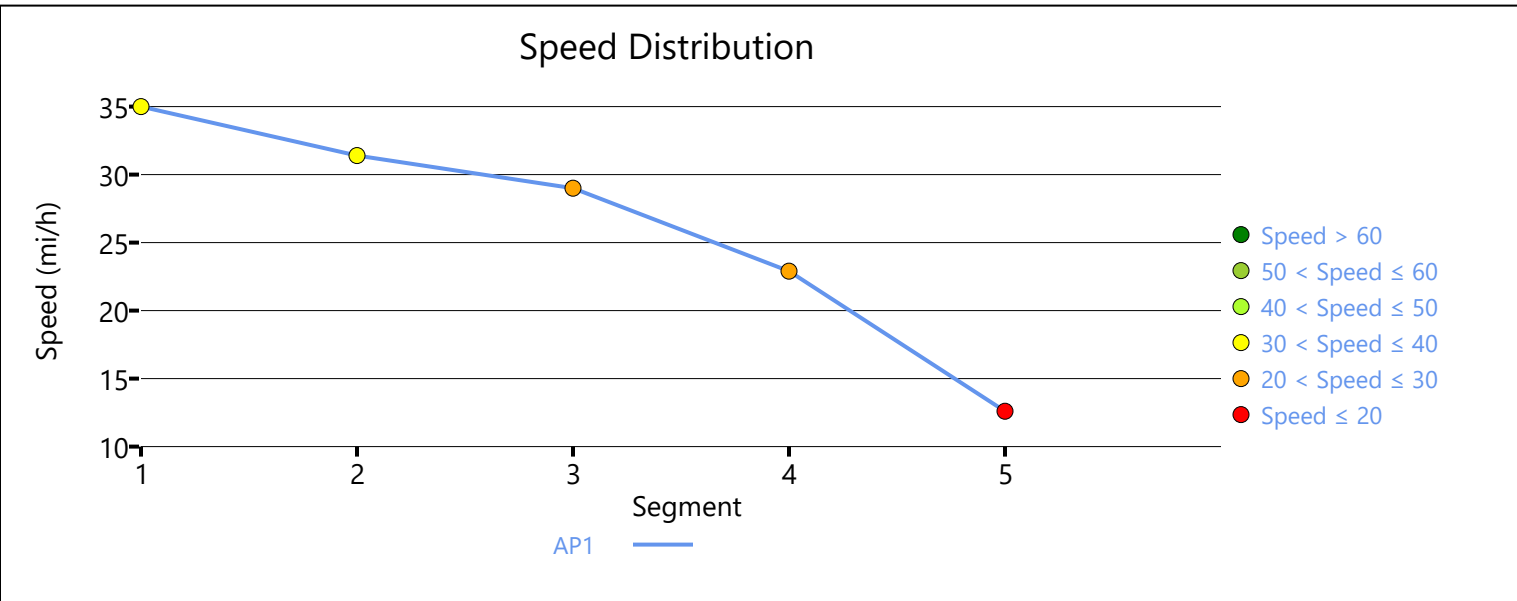
#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	2820	-	-	12.6

Vehicle Results

Average Speed, mi/h	12.6	Percent Followers, %	34.7
Segment Travel Time, minutes	2.53	Follower Density (FD), followers/mi/ln	4.5
Vehicle LOS	B		

Facility Results

T	VMT veh-mi/p	VHD veh-h/p	Follower Density, followers/ mi/ln	LOS
1	108	0.11	2.4	A



HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction AM
Project Description	KY 3005 KY 1357 to KY 361	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	50.0	Access Point Density, pts/mi	3.8
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLT	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	48.2		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	944	Heavy Vehicle Adjustment Factor (fHV)	0.989
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	508
Total Trucks, %	0.58	Capacity (c), pc/h/ln	1964
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	1964
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.26

Direction 1 Speed and Density

Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	48.2
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	10.5
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	0.9		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	50.0	Access Point Density, pts/mi	2.5
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLTL	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	48.5		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	729	Heavy Vehicle Adjustment Factor (fHV)	0.989
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	392
Total Trucks, %	0.58	Capacity (c), pc/h/ln	1970
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	1970
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.20
Direction 2 Speed and Density			
Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	48.5
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	8.1
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	0.6		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	502	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F

HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Construction AM
Project Description	KY 3005 MP 1.918 to KY 1357	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	50.0	Access Point Density, pts/mi	6.5
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLT	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	47.5		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	1049	Heavy Vehicle Adjustment Factor (fHV)	0.989
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	564
Total Trucks, %	0.58	Capacity (c), pc/h/ln	1950
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	1950
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.29

Direction 1 Speed and Density

Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	47.5
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	11.9
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	B
Access Point Density Adjustment (fA)	1.6		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	50.0	Access Point Density, pts/mi	9.4
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLTL	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	46.7		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	768	Heavy Vehicle Adjustment Factor (fHV)	0.989
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	413
Total Trucks, %	0.58	Capacity (c), pc/h/ln	1934
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	1934
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.21
Direction 2 Speed and Density			
Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	46.7
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	8.8
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	2.4		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	558	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F

HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2022
Jurisdiction		Time Analyzed	Construction AM
Project Description	KY 3005 MP 1.918 to US 62	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Specific Grade
Segment Length (L), ft	5280	Percent Grade, %	1.33
Measured or Base Free-Flow Speed	Base	Grade Length, mi	0.07
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	0.0
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Undivided	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	52.5		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	1049	Heavy Vehicle Adjustment Factor (fHV)	0.991
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	563
Total Trucks, %	0.58	Capacity (c), pc/h/ln	2050
Single-Unit Trucks (SUT), %	99	Adjusted Capacity (c _{adj}), pc/h/ln	2050
Tractor-Trailers (TT), %	1	Volume-to-Capacity Ratio (v/c)	0.27

Direction 1 Speed and Density

Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	52.5
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	10.7
Median Type Adjustment (fM)	1.6	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	0.0		

Direction 1 Mixed-Flow Capacity Adjustment Factors and Capacity

Auto-Only Capacity Adj., (CAF _{ao})	1.000	Mixed-Flow Capacity Adj., (CAF _{mix})	0.987
Truck Percent Capacity Adj., (CAF _{T,mix})	0.013	Auto-Only Capacity, (C _{ao}), pc/h/ln	2050
Grade Effect Capacity Adj., (CAF _{g,mix})	0.000	Mixed-Flow Capacity, (C _{mix}), veh/h/ln	2221

Direction 1 Mixed-Flow FFS Adjustment Factors and FFS

SUT Slope Travel Time / Dist. (δ _{SUT}), s/ft	0.0124	Traffic Interaction Term (Δ _{TTI}), s/mi	2006
TT Slope Travel Time / Dist. (δ _{TT}), s/ft	0.0124	Auto Free-Flow Travel Rate (τ _a), s/mi	65.5

SUT Kinematic Travel Rate ($\tau_{SUT,kin}$), s/mi	50.7	Mixed Free-Flow Travel Rate (τ_{mix}), s/mi	65.4
TT Kinematic Travel Rate ($\tau_{TT,kin}$), s/mi	52.3	Mixed Free-Flow Speed (FFS_{mix}), mi/h	55.0
SUT Free-Flow Travel Rate (τ_{SUT}), s/mi	50.7	Mixed-Flow Speed Adj. (SAF_{mix})	1.000
TT Free-Flow Travel Rate (τ_{TT}), s/mi	52.3		


Direction 1 Mixed-Flow Speed and Density

Auto-Only Breakpoint (BP_{ao}), pc/h/ln	1400	Auto Travel Rate at Cap. ($\tau_{a,cap}$), s/mi	72.3
Mixed-Flow Breakpoint (BP_{mix}), veh/h/ln	756.4	Auto Travel Rate 90% Cap. ($\tau_{a,90cap}$), s/mi	67.2
SUT Travel Rate at Cap. ($\tau_{SUT,cap}$), s/mi	57.5	Speed Calibration at Cap. ($S_{calib,cap}$), mi/h	49.9
SUT Travel Rate 90% Cap. ($\tau_{SUT,90cap}$), s/mi	52.3	Speed Calib. 90% Cap. ($S_{calib,90cap}$), mi/h	53.7
TT Travel Rate at Cap. ($\tau_{TT,cap}$), s/mi	59.1	Speed-Flow Curve Exponent (ϕ)	9.93
TT Travel Rate 90% Cap. ($\tau_{TT,90cap}$), s/mi	53.9	Mixed Traffic Flow Rate (v_{mix}), veh/h/ln	525
Traffic Int. Term at Cap. ($\Delta\tau_{TI,cap}$), s/mi	6.80	Mixed-Flow Speed (S_{mix}), mi/h	55.0
Traffic Int. Term 90% Cap. ($\Delta\tau_{TI,90cap}$), s/mi	1.65	Mixed-Flow Density (D_{mix}), veh/mi/ln	9.5

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	3	Terrain Type	Specific Grade
Segment Length (L), ft	5280	Percent Grade, %	-1.33
Measured or Base Free-Flow Speed	Base	Grade Length, mi	0.07
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	0.0
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Undivided	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	52.5		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	768	Heavy Vehicle Adjustment Factor (fHV)	0.992
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	275
Total Trucks, %	0.58	Capacity (c), pc/h/ln	2050
Single-Unit Trucks (SUT), %	99	Adjusted Capacity (cadj), pc/h/ln	2050
Tractor-Trailers (TT), %	1	Volume-to-Capacity Ratio (v/c)	0.13
Direction 2 Speed and Density			
Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	52.5
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	5.2
Median Type Adjustment (fM)	1.6	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	0.0		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	558	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F
Direction 2 Mixed-Flow Capacity Adjustment Factors and Capacity			
Auto-Only Capacity Adj., (CAF _{ao})	1.000	Mixed-Flow Capacity Adj., (CAF _{mix})	0.987
Truck Percent Capacity Adj., (CAF _{T,mix})	0.013	Auto-Only Capacity, (C _{ao}), pc/h/ln	2050
Grade Effect Capacity Adj., (CAF _{g,mix})	0.000	Mixed-Flow Capacity, (C _{mix}), veh/h/ln	2221
Direction 2 Mixed-Flow FFS Adjustment Factors and FFS			
SUT Slope Travel Time / Dist. (δ _{SUT}), s/ft	0.0124	Traffic Interaction Term (Δτ _{TI}), s/mi	0.00
TT Slope Travel Time / Dist. (δ _{TT}), s/ft	0.0124	Auto Free-Flow Travel Rate (τ _a), s/mi	65.5
SUT Kinematic Travel Rate (τ _{SUT,kin}), s/mi	48.6	Mixed Free-Flow Travel Rate (τ _{mix}), s/mi	65.4
TT Kinematic Travel Rate (τ _{TT,kin}), s/mi	49.1	Mixed Free-Flow Speed (FFS _{mix}), mi/h	65.4
SUT Free-Flow Travel Rate (τ _{SUT}), s/mi	48.6	Mixed-Flow Speed Adj. (SAF _{mix})	1.000

TT Free-Flow Travel Rate (τ_{TT}), s/mi	49.1		
Direction 2 Mixed-Flow Speed and Density			
Auto-Only Breakpoint (BP_{ao}), pc/h/ln	1400	Auto Travel Rate at Cap. ($\tau_{a, cap}$), s/mi	72.3
Mixed-Flow Breakpoint (BP_{mix}), veh/h/ln	1100.0	Auto Travel Rate 90% Cap. ($\tau_{a, 90cap}$), s/mi	67.2
SUT Travel Rate at Cap. ($\tau_{SUT, cap}$), s/mi	55.4	Speed Calibration at Cap. ($S_{calib, cap}$), mi/h	49.9
SUT Travel Rate 90% Cap. ($\tau_{SUT, 90cap}$), s/mi	50.2	Speed Calib. 90% Cap. ($S_{calib, 90cap}$), mi/h	53.7
TT Travel Rate at Cap. ($\tau_{TT, cap}$), s/mi	55.9	Speed-Flow Curve Exponent (ϕ)	7.40
TT Travel Rate 90% Cap. ($\tau_{TT, 90cap}$), s/mi	50.8	Mixed Traffic Flow Rate (v_{mix}), veh/h/ln	256
Traffic Int. Term at Cap. ($\Delta\tau_{TI, cap}$), s/mi	6.80	Mixed-Flow Speed (S_{mix}), mi/h	55.0
Traffic Int. Term 90% Cap. ($\Delta\tau_{TI, 90cap}$), s/mi	1.65	Mixed-Flow Density (D_{mix}), veh/mi/ln	4.7

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HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction PM
Project Description	KY 3005 KY 1357 to KY 361	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	50.0	Access Point Density, pts/mi	3.8
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLT	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	48.2		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	1099	Heavy Vehicle Adjustment Factor (fHV)	0.989
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	591
Total Trucks, %	0.58	Capacity (c), pc/h/ln	1964
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	1964
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.30

Direction 1 Speed and Density

Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	48.2
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	12.3
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	B
Access Point Density Adjustment (fA)	0.9		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	50.0	Access Point Density, pts/mi	2.5
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLTL	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	48.5		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	969	Heavy Vehicle Adjustment Factor (fhv)	0.989
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	521
Total Trucks, %	0.58	Capacity (c), pc/h/ln	1970
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	1970
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.26
Direction 2 Speed and Density			
Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	48.5
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	10.7
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	0.6		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	585	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F

HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction PM
Project Description	KY 3005 MP 1.918 to KY 1357	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	50.0	Access Point Density, pts/mi	6.5
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLT	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	47.5		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	965	Heavy Vehicle Adjustment Factor (fHV)	0.989
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	519
Total Trucks, %	0.58	Capacity (c), pc/h/ln	1950
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	1950
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.27

Direction 1 Speed and Density

Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	47.5
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	10.9
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	1.6		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	50.0	Access Point Density, pts/mi	9.4
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLTL	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	46.7		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	904	Heavy Vehicle Adjustment Factor (fhv)	0.989
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	486
Total Trucks, %	0.58	Capacity (c), pc/h/ln	1934
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	1934
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.25
Direction 2 Speed and Density			
Lane Width Adjustment (flw)	0.0	Average Speed (S), mi/h	46.7
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	10.4
Median Type Adjustment (fm)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fa)	2.4		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	513	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F

HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction PM
Project Description	KY 3005 MP 1.918 to US 62	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Specific Grade
Segment Length (L), ft	5280	Percent Grade, %	1.33
Measured or Base Free-Flow Speed	Base	Grade Length, mi	0.07
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	0.0
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Undivided	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	52.5		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	965	Heavy Vehicle Adjustment Factor (fHV)	0.991
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	518
Total Trucks, %	0.58	Capacity (c), pc/h/ln	2050
Single-Unit Trucks (SUT), %	99	Adjusted Capacity (c _{adj}), pc/h/ln	2050
Tractor-Trailers (TT), %	1	Volume-to-Capacity Ratio (v/c)	0.25

Direction 1 Speed and Density

Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	52.5
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	9.9
Median Type Adjustment (fM)	1.6	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	0.0		

Direction 1 Mixed-Flow Capacity Adjustment Factors and Capacity

Auto-Only Capacity Adj., (CAF _{ao})	1.000	Mixed-Flow Capacity Adj., (CAF _{mix})	0.987
Truck Percent Capacity Adj., (CAF _{T,mix})	0.013	Auto-Only Capacity, (C _{ao}), pc/h/ln	2050
Grade Effect Capacity Adj., (CAF _{g,mix})	0.000	Mixed-Flow Capacity, (C _{mix}), veh/h/ln	2221

Direction 1 Mixed-Flow FFS Adjustment Factors and FFS

SUT Slope Travel Time / Dist. (δ_{SUT}), s/ft	0.0124	Traffic Interaction Term ($\Delta\tau_{TT}$), s/mi	Case 2022-00096
TT Slope Travel Time / Dist. (δ_{TT}), s/ft	0.0124	Auto Free-Flow Travel Rate (τ_a), s/mi	65.5

SUT Kinematic Travel Rate ($\tau_{SUT,kin}$), s/mi	50.7	Mixed Free-Flow Travel Rate (τ_{mix}), s/mi	65.4
TT Kinematic Travel Rate ($\tau_{TT,kin}$), s/mi	52.3	Mixed Free-Flow Speed (FFS_{mix}), mi/h	55.0
SUT Free-Flow Travel Rate (τ_{SUT}), s/mi	50.7	Mixed-Flow Speed Adj. (SAF_{mix})	1.000
TT Free-Flow Travel Rate (τ_{TT}), s/mi	52.3		


Direction 1 Mixed-Flow Speed and Density

Auto-Only Breakpoint (BP_{ao}), pc/h/ln	1400	Auto Travel Rate at Cap. ($\tau_{a,cap}$), s/mi	72.3
Mixed-Flow Breakpoint (BP_{mix}), veh/h/ln	756.4	Auto Travel Rate 90% Cap. ($\tau_{a,90cap}$), s/mi	67.2
SUT Travel Rate at Cap. ($\tau_{SUT,cap}$), s/mi	57.5	Speed Calibration at Cap. ($S_{calib,cap}$), mi/h	49.9
SUT Travel Rate 90% Cap. ($\tau_{SUT,90cap}$), s/mi	52.3	Speed Calib. 90% Cap. ($S_{calib,90cap}$), mi/h	53.7
TT Travel Rate at Cap. ($\tau_{TT,cap}$), s/mi	59.1	Speed-Flow Curve Exponent (ϕ)	9.93
TT Travel Rate 90% Cap. ($\tau_{TT,90cap}$), s/mi	53.9	Mixed Traffic Flow Rate (v_{mix}), veh/h/ln	483
Traffic Int. Term at Cap. ($\Delta\tau_{TI,cap}$), s/mi	6.80	Mixed-Flow Speed (S_{mix}), mi/h	55.0
Traffic Int. Term 90% Cap. ($\Delta\tau_{TI,90cap}$), s/mi	1.65	Mixed-Flow Density (D_{mix}), veh/mi/ln	8.8

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	3	Terrain Type	Specific Grade
Segment Length (L), ft	5280	Percent Grade, %	-1.33
Measured or Base Free-Flow Speed	Base	Grade Length, mi	0.07
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	0.0
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Undivided	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	52.5		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	904	Heavy Vehicle Adjustment Factor (fHV)	0.992
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	323
Total Trucks, %	0.58	Capacity (c), pc/h/ln	2050
Single-Unit Trucks (SUT), %	99	Adjusted Capacity (cadj), pc/h/ln	2050
Tractor-Trailers (TT), %	1	Volume-to-Capacity Ratio (v/c)	0.16
Direction 2 Speed and Density			
Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	52.5
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	6.2
Median Type Adjustment (fM)	1.6	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	0.0		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	513	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F
Direction 2 Mixed-Flow Capacity Adjustment Factors and Capacity			
Auto-Only Capacity Adj., (CAF _{ao})	1.000	Mixed-Flow Capacity Adj., (CAF _{mix})	0.987
Truck Percent Capacity Adj., (CAF _{T,mix})	0.013	Auto-Only Capacity, (C _{ao}), pc/h/ln	2050
Grade Effect Capacity Adj., (CAF _{g,mix})	0.000	Mixed-Flow Capacity, (C _{mix}), veh/h/ln	2221
Direction 2 Mixed-Flow FFS Adjustment Factors and FFS			
SUT Slope Travel Time / Dist. (δ _{SUT}), s/ft	0.0124	Traffic Interaction Term (Δτ _{TI}), s/mi	0.00
TT Slope Travel Time / Dist. (δ _{TT}), s/ft	0.0124	Auto Free-Flow Travel Rate (τ _a), s/mi	65.5
SUT Kinematic Travel Rate (τ _{SUT,kin}), s/mi	48.6	Mixed Free-Flow Travel Rate (τ _{mix}), s/mi	65.4
TT Kinematic Travel Rate (τ _{TT,kin}), s/mi	49.1	Mixed Free-Flow Speed (FFS _{mix}), mi/h	65.4
SUT Free-Flow Travel Rate (τ _{SUT}), s/mi	48.6	Mixed-Flow Speed Adj. (SAF _{mix})	1.000

TT Free-Flow Travel Rate (τ_{TT}), s/mi	49.1		
Direction 2 Mixed-Flow Speed and Density			
Auto-Only Breakpoint (BP_{ao}), pc/h/ln	1400	Auto Travel Rate at Cap. ($\tau_{a, cap}$), s/mi	72.3
Mixed-Flow Breakpoint (BP_{mix}), veh/h/ln	1100.0	Auto Travel Rate 90% Cap. ($\tau_{a, 90cap}$), s/mi	67.2
SUT Travel Rate at Cap. ($\tau_{SUT, cap}$), s/mi	55.4	Speed Calibration at Cap. ($S_{calib, cap}$), mi/h	49.9
SUT Travel Rate 90% Cap. ($\tau_{SUT, 90cap}$), s/mi	50.2	Speed Calib. 90% Cap. ($S_{calib, 90cap}$), mi/h	53.7
TT Travel Rate at Cap. ($\tau_{TT, cap}$), s/mi	55.9	Speed-Flow Curve Exponent (ϕ)	7.40
TT Travel Rate 90% Cap. ($\tau_{TT, 90cap}$), s/mi	50.8	Mixed Traffic Flow Rate (v_{mix}), veh/h/ln	301
Traffic Int. Term at Cap. ($\Delta\tau_{TI, cap}$), s/mi	6.80	Mixed-Flow Speed (S_{mix}), mi/h	55.0
Traffic Int. Term 90% Cap. ($\Delta\tau_{TI, 90cap}$), s/mi	1.65	Mixed-Flow Density (D_{mix}), veh/mi/ln	5.5

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HCS  Multilane Version 2022
Existing PM KY 3005 US 62 to MP 1.918.xuf

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HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction AM
Project Description	US 62 KY 3005 to KY 1904	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	32.7
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLTL	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	45.9		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	698	Heavy Vehicle Adjustment Factor (fhv)	0.991
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	374
Total Trucks, %	0.45	Capacity (c), pc/h/ln	1918
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	1918
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.20

Direction 1 Speed and Density

Lane Width Adjustment (flw)	0.0	Average Speed (S), mi/h	45.9
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	8.1
Median Type Adjustment (fm)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fa)	8.2		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	16.3
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLTL	Total Lateral Clearance (TLC), ft	10
Free-Flow Speed (FFS), mi/h	50.5		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	420	Heavy Vehicle Adjustment Factor (fHV)	0.991
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	226
Total Trucks, %	0.45	Capacity (c), pc/h/ln	2010
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2010
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.11
Direction 2 Speed and Density			
Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	50.5
Total Lateral Clearance Adj. (fLLC)	0.4	Density (D), pc/mi/ln	4.5
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	4.1		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	371	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F

HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction AM
Project Description	US 62 Leitchfield Loop to KY 86	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	2.9
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	12
Free-Flow Speed (FFS), mi/h	54.3		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	429	Heavy Vehicle Adjustment Factor (fHV)	0.990
Peak Hour Factor	0.94	Flow Rate (V _p), pc/h/ln	230
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2086
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c _{adj}), pc/h/ln	2086
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.11

Direction 1 Speed and Density

Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	54.3
Total Lateral Clearance Adj. (fLLC)	0.0	Density (D), pc/mi/ln	4.2
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	0.7		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	0.7
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	12
Free-Flow Speed (FFS), mi/h	54.8		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	338	Heavy Vehicle Adjustment Factor (fHV)	0.990
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	182
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2096
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2096
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.09
Direction 2 Speed and Density			
Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	54.8
Total Lateral Clearance Adj. (fLLC)	0.0	Density (D), pc/mi/ln	3.3
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	0.2		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	228	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F

HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction AM
Project Description	US 62 KY 86 to MP 14.406	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	4.2
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	12
Free-Flow Speed (FFS), mi/h	54.0		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	689	Heavy Vehicle Adjustment Factor (fhv)	0.990
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	370
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2080
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2080
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.18

Direction 1 Speed and Density

Lane Width Adjustment (flw)	0.0	Average Speed (S), mi/h	54.0
Total Lateral Clearance Adj. (fLLC)	0.0	Density (D), pc/mi/ln	6.9
Median Type Adjustment (fm)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fa)	1.1		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	4.2
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	12
Free-Flow Speed (FFS), mi/h	54.0		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	346	Heavy Vehicle Adjustment Factor (fhv)	0.990
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	186
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2080
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2080
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.09
Direction 2 Speed and Density			
Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	54.0
Total Lateral Clearance Adj. (fLLC)	0.0	Density (D), pc/mi/ln	3.4
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	1.1		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	366	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F

HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction AM
Project Description	US 62 MP 14.406 to KY 3005	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	5.9
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	52.6		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	689	Heavy Vehicle Adjustment Factor (fHV)	0.990
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	370
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2052
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2052
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.18

Direction 1 Speed and Density

Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	52.6
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	7.0
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	1.5		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	11.8
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	51.2		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	346	Heavy Vehicle Adjustment Factor (fHV)	0.990
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	186
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2024
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2024
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.09
Direction 2 Speed and Density			
Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	51.2
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	3.6
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	2.9		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	366	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F

HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction PM
Project Description	US 62 KY 3005 to KY 1904	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	32.7
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLTL	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	45.9		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	560	Heavy Vehicle Adjustment Factor (fhv)	0.991
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	300
Total Trucks, %	0.45	Capacity (c), pc/h/ln	1918
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	1918
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.16

Direction 1 Speed and Density

Lane Width Adjustment (flw)	0.0	Average Speed (S), mi/h	45.9
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	6.5
Median Type Adjustment (fm)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fa)	8.2		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	16.3
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	TWLTL	Total Lateral Clearance (TLC), ft	10
Free-Flow Speed (FFS), mi/h	50.5		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	554	Heavy Vehicle Adjustment Factor (fhv)	0.991
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	298
Total Trucks, %	0.45	Capacity (c), pc/h/ln	2010
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2010
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.15
Direction 2 Speed and Density			
Lane Width Adjustment (flw)	0.0	Average Speed (S), mi/h	50.5
Total Lateral Clearance Adj. (fLLC)	0.4	Density (D), pc/mi/ln	5.9
Median Type Adjustment (fm)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fa)	4.1		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	298	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F

HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction PM
Project Description	US 62 Leitchfield Loop to KY 86	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	2.9
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	12
Free-Flow Speed (FFS), mi/h	54.3		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	323	Heavy Vehicle Adjustment Factor (fHV)	0.990
Peak Hour Factor	0.94	Flow Rate (V _p), pc/h/ln	174
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2086
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (c _{adj}), pc/h/ln	2086
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.08

Direction 1 Speed and Density

Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	54.3
Total Lateral Clearance Adj. (fLLC)	0.0	Density (D), pc/mi/ln	3.2
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	0.7		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	0.7
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	12
Free-Flow Speed (FFS), mi/h	54.8		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	410	Heavy Vehicle Adjustment Factor (fHV)	0.990
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	220
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2096
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2096
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.11
Direction 2 Speed and Density			
Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	54.8
Total Lateral Clearance Adj. (fLLC)	0.0	Density (D), pc/mi/ln	4.0
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	0.2		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	172	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F

HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction PM
Project Description	US 62 KY 86 to MP 14.406	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	4.2
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	12
Free-Flow Speed (FFS), mi/h	54.0		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	344	Heavy Vehicle Adjustment Factor (fHV)	0.990
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	185
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2080
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2080
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.09

Direction 1 Speed and Density

Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	54.0
Total Lateral Clearance Adj. (fLLC)	0.0	Density (D), pc/mi/ln	3.4
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	1.1		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	4.2
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	53.1		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	656	Heavy Vehicle Adjustment Factor (fhv)	0.990
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	352
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2060
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2060
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.17
Direction 2 Speed and Density			
Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	53.0
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	6.6
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	1.1		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	183	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F

HCS Multilane Highway Report

Project Information

Analyst	ATW	Date	4/14/2022
Agency	Stantec	Analysis Year	2023
Jurisdiction		Time Analyzed	Construction PM
Project Description	US 62 MP 14.406 to KY 3005	Units	U.S. Customary

Direction 1 Geometric Data

Direction 1	NB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	5.9
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	52.6		

Direction 1 Adjustment Factors

Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		

Direction 1 Demand and Capacity

Volume (V) veh/h	344	Heavy Vehicle Adjustment Factor (fHV)	0.990
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	185
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2052
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2052
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.09

Direction 1 Speed and Density

Lane Width Adjustment (fLW)	0.0	Average Speed (S), mi/h	52.6
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	3.5
Median Type Adjustment (fM)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fA)	1.5		

Direction 2 Geometric Data			
Direction 2	SB		
Number of Lanes (N), ln	2	Terrain Type	Rolling
Segment Length (L), ft	5280	Percent Grade, %	-
Measured or Base Free-Flow Speed	Base	Grade Length, mi	-
Base Free-Flow Speed (BFFS), mi/h	55.0	Access Point Density, pts/mi	11.8
Lane Width, ft	12	Left-Side Lateral Clearance (LCR), ft	6
Median Type	Divided	Total Lateral Clearance (TLC), ft	8
Free-Flow Speed (FFS), mi/h	51.2		
Direction 2 Adjustment Factors			
Driver Population	All Familiar	Final Speed Adjustment Factor (SAF)	1.000
Driver Population SAF	1.000	Final Capacity Adjustment Factor (CAF)	1.000
Driver Population CAF	1.000		
Direction 2 Demand and Capacity			
Volume (V) veh/h	656	Heavy Vehicle Adjustment Factor (fhv)	0.990
Peak Hour Factor	0.94	Flow Rate (Vp), pc/h/ln	352
Total Trucks, %	0.52	Capacity (c), pc/h/ln	2024
Single-Unit Trucks (SUT), %	-	Adjusted Capacity (cadj), pc/h/ln	2024
Tractor-Trailers (TT), %	-	Volume-to-Capacity Ratio (v/c)	0.17
Direction 2 Speed and Density			
Lane Width Adjustment (flw)	0.0	Average Speed (S), mi/h	51.2
Total Lateral Clearance Adj. (fLLC)	0.9	Density (D), pc/mi/ln	6.9
Median Type Adjustment (fm)	0.0	Level of Service (LOS)	A
Access Point Density Adjustment (fa)	2.9		
Direction 2 Bicycle LOS			
Flow Rate in Outside Lane (vOL), veh/h	183	Effective Speed Factor (St)	4.62
Effective Width of Volume (Wv), ft	18	Bicycle LOS Score (BLOS)	-
Average Effective Width (We), ft	24	Bicycle Level of Service (LOS)	F