Attachment to Response to METRO Question No. 16(d)

Page 1 of 1 Waldrab

L70 or L## Values for LS Rate Codes (LED Fixtures)					
LGE Rate Code	<b>KU Rate Code</b>	Fixture Type	L70 rating	L## at 100,000 hours*	
490	390	Cobra	100,000+	L84	
491	391	Cobra	100,000+	L88	
492	392	Cobra	100,000+	L91	
493	393	Open Bottom	220,000		
LC1	KC1	Cobra	100,000+	L91	
LF1	KF1	Directional (Flood)	100,000+	L89	
LF2	KF2	Directional (Flood)	100,000+	L89	
LF3	KF3	Directional (Flood)	100,000+	L89	
LF4	KF4	Directional (Flood)	100,000+	L86	at 25°C
LC2	KC2	Cobra	100,000+	L91	
496	396	Cobra	100,000+	L84	
497	397	Cobra	100,000+	L88	
498	398	Cobra	100,000+	L91	
499	399	Colonial	204,000		
LA1	KA1	Acorn	139,000		
LN1	KN1	Contemporary		L88	at 60,000 hours
LN2	KN2	Contemporary		L88	at 60,000 hours
LN3	KN3	Contemporary		L88	at 60,000 hours
LN4	KN4	Contemporary	100,000+	L81	
LN5	KN5	Contemporary	100,000+	L84	
LF5	KF5	Directional (Flood)	100,000+	L89	
LF6	KF6	Directional (Flood)	100,000+	L89	
LF7	KF7	Directional (Flood)	100,000+	L89	
LF8	KF8	Directional (Flood)	100,000+	L86	at 25°C
LV1		Victorian	100,000+^		
LL1	KV1	London/Victorian	100,000+^		

<sup>\*</sup>These manufacturers do not provide an L70 value. Alternatively, they provide Lumen Maintenance values (L##) at 100,000 hours (or 60,000 hours). If that L## value is greater than L70 then the L70 value exceeds 100,000 hours ^This manufacturer provides a calculated L70 value that reads ">100,000"