

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P197974

Luminaire Tested: **TT-C3-LED-E1-RW-MS/DIM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197974
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34692)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C3-LED-E1-RW-MS/DIM
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (168) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4751.1 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



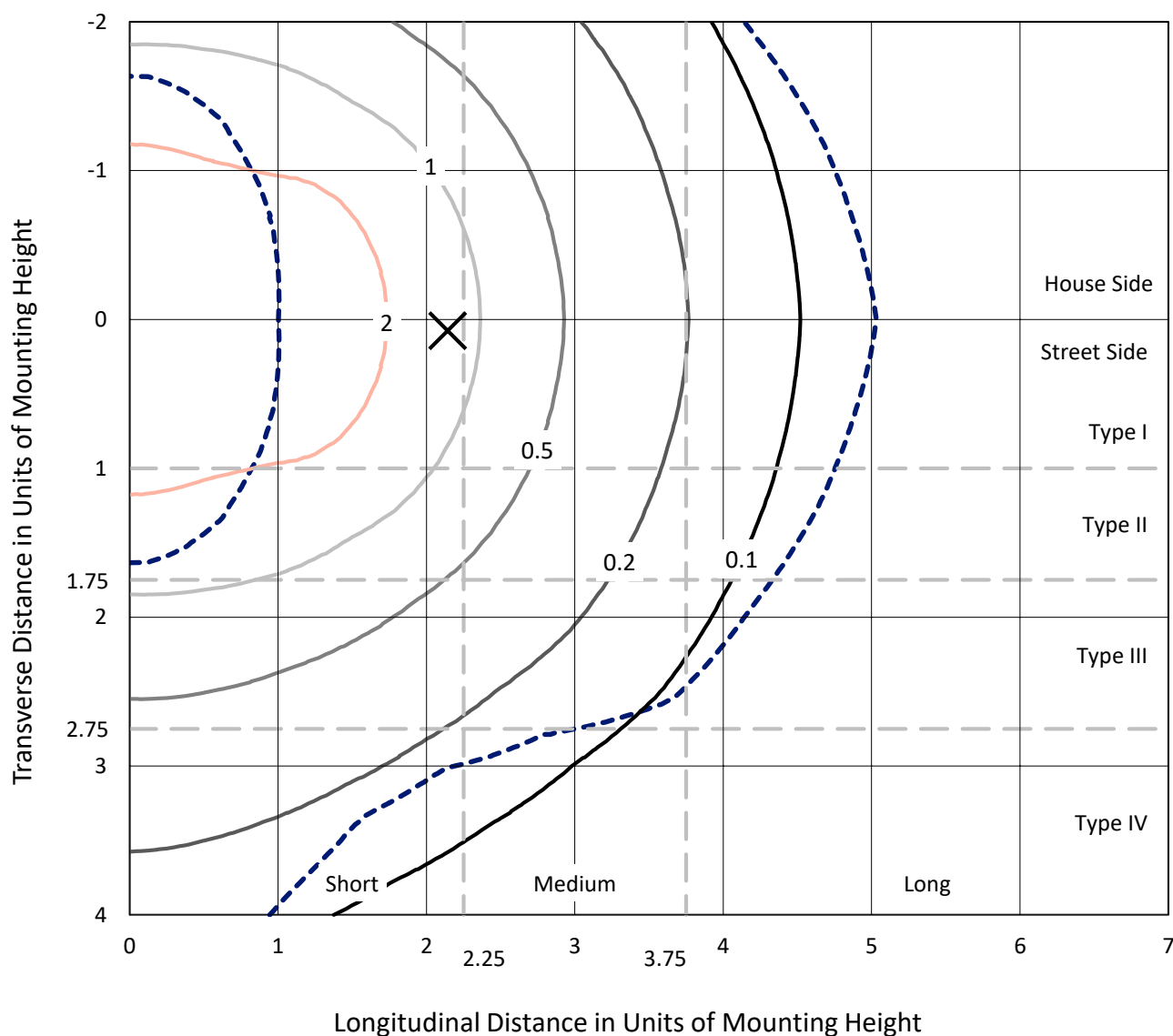
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

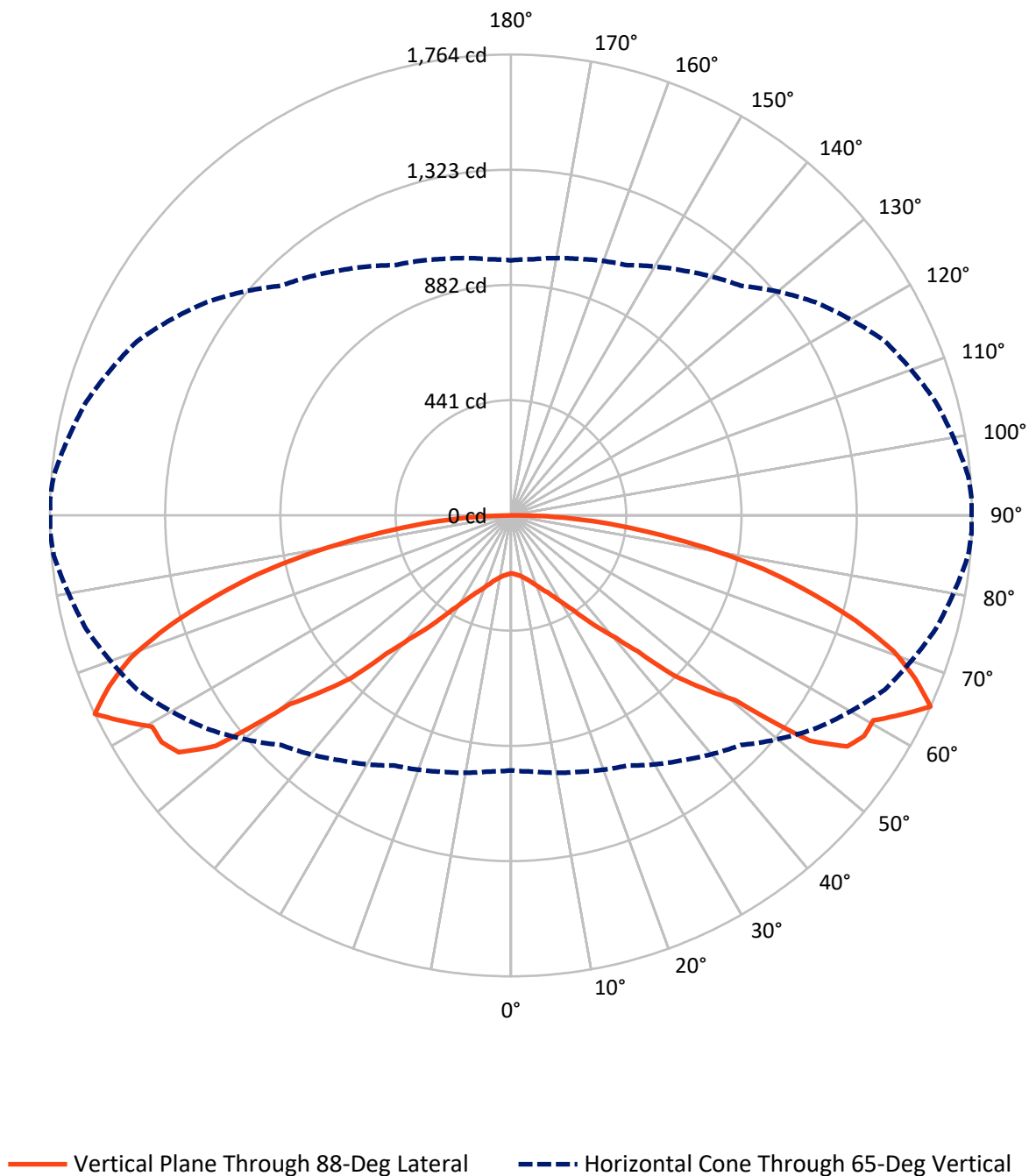


Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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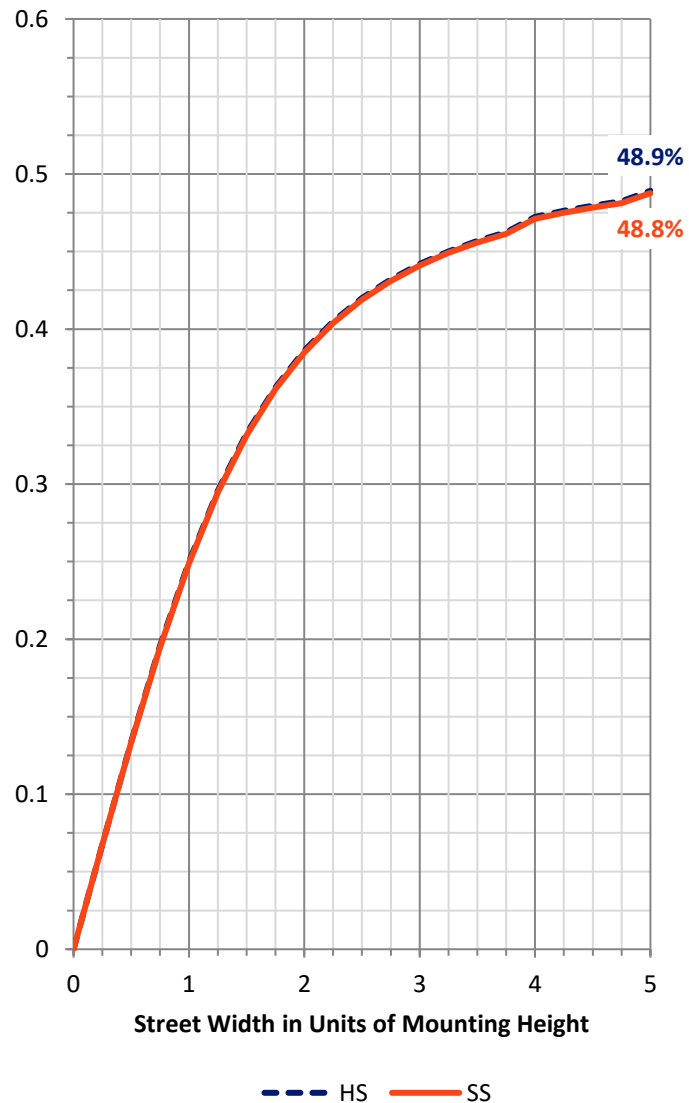
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2375.5	0.0	2375.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2375.5	0.0	2375.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4751.1	0.0	4751.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.2	0.5
10°-20°	75.7	1.6
20°-30°	160.8	3.4
30°-40°	307.3	6.5
40°-50°	564.9	11.9
50°-60°	978.3	20.6
60°-70°	1272.7	26.8
70°-80°	1043.1	22.0
80°-90°	326.1	6.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4751.1	100.0
0°-180°	4751.1	100.0

Coefficient of Utilization



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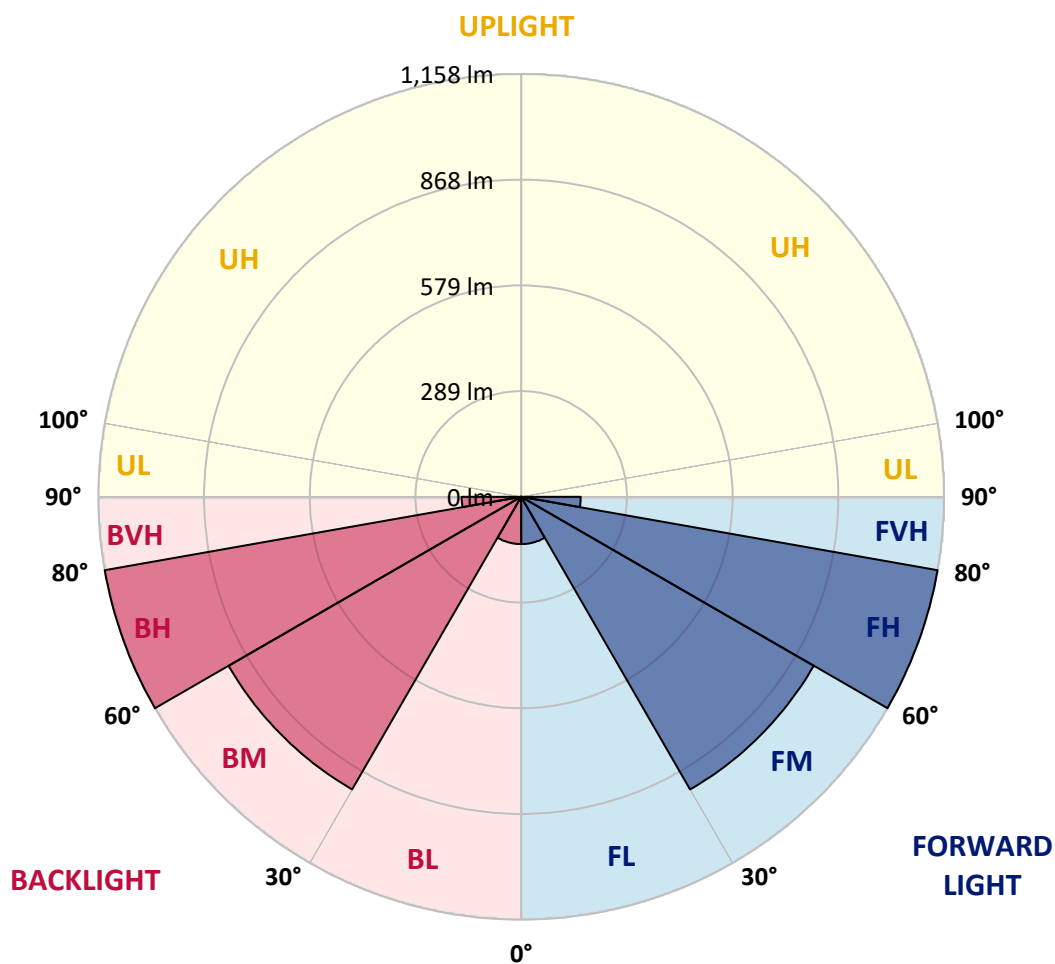
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	129.4	2.7			
FM	(30°-60°)	925.2	19.5			
FH	(60°-80°)	1157.9	24.4			G1/1800
FVH	(80°-90°)	163.0	3.4			G2/225
BL	(0°-30°)	129.4	2.7	B1/500		
BM	(30°-60°)	925.2	19.5	B1/1000		
BH	(60°-80°)	1157.9	24.4	B3/2500		G3/2500
BVH	(80°-90°)	163.0	3.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	222	222	222	222	222	222	222	222	222	222	222
2.5°	224	224	224	224	224	224	224	224	224	224	224
5°	228	228	228	229	229	229	229	229	228	228	228
7.5°	233	233	234	234	234	234	233	233	232	232	232
10°	241	241	242	242	241	240	240	240	239	239	239
12.5°	252	252	253	252	251	250	250	249	248	248	248
15°	267	267	266	264	262	262	259	259	259	259	258
17.5°	287	286	282	281	278	276	274	273	272	272	273
20°	309	307	302	302	297	294	292	290	290	289	288
22.5°	335	333	327	325	320	315	313	308	307	307	308
25°	361	362	357	353	346	341	334	331	328	328	326
27.5°	391	392	386	381	375	365	361	357	354	356	354
30°	423	425	420	414	405	395	390	389	386	388	387
32.5°	460	459	456	450	438	430	426	425	427	428	427
35°	503	499	496	487	476	470	466	470	479	485	483
37.5°	548	542	539	529	519	516	521	529	538	546	546
40°	585	587	580	571	563	566	575	589	607	615	614
42.5°	622	628	621	612	613	622	635	661	701	713	712
45°	655	668	662	656	665	680	715	773	828	869	872
47.5°	698	705	702	702	716	751	804	885	943	982	988
50°	747	740	741	750	785	837	909	985	1089	1107	1112
52.5°	788	776	783	800	851	917	1007	1163	1296	1416	1433
55°	830	816	830	857	932	1024	1156	1337	1477	1552	1561
57.5°	862	860	880	919	1011	1134	1283	1438	1532	1585	1593
60°	902	904	927	979	1089	1207	1318	1460	1553	1584	1593
62.5°	940	948	975	1034	1130	1220	1327	1499	1617	1684	1678
65°	976	984	1016	1056	1144	1243	1422	1578	1682	1756	1764
67.5°	1012	1022	1035	1067	1152	1245	1400	1531	1615	1666	1669
70°	1043	1042	1039	1048	1101	1173	1317	1421	1500	1542	1552
72.5°	1047	1044	1009	983	1000	1057	1195	1278	1338	1373	1380
75°	1014	997	928	872	869	926	1042	1102	1138	1183	1186
77.5°	907	888	811	735	735	772	869	901	946	980	989
80°	731	729	649	589	567	598	677	689	723	752	761
82.5°	529	514	470	419	401	421	475	487	500	526	537
85°	320	321	291	262	239	246	288	305	322	339	345
87.5°	115	133	104	92	80	76	89	110	129	153	166
90°	0	0	0	0	0	0	0	0	0	0	0

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CANDELA DISTRIBUTION (continued):

	90°
0°	222
2.5°	224
5°	227
7.5°	232
10°	239
12.5°	248
15°	258
17.5°	271
20°	288
22.5°	306
25°	327
27.5°	356
30°	386
32.5°	427
35°	488
37.5°	546
40°	617
42.5°	716
45°	876
47.5°	987
50°	1121
52.5°	1419
55°	1564
57.5°	1595
60°	1593
62.5°	1694
65°	1763
67.5°	1671
70°	1556
72.5°	1377
75°	1193
77.5°	994
80°	765
82.5°	533
85°	359
87.5°	148
90°	0

(END OF REPORT)