

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: P198046

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198046
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34696)
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-CG-MS/DIM
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (168) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4572.3 lumens
Efficiency: N/A
Efficacy: 101.6 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

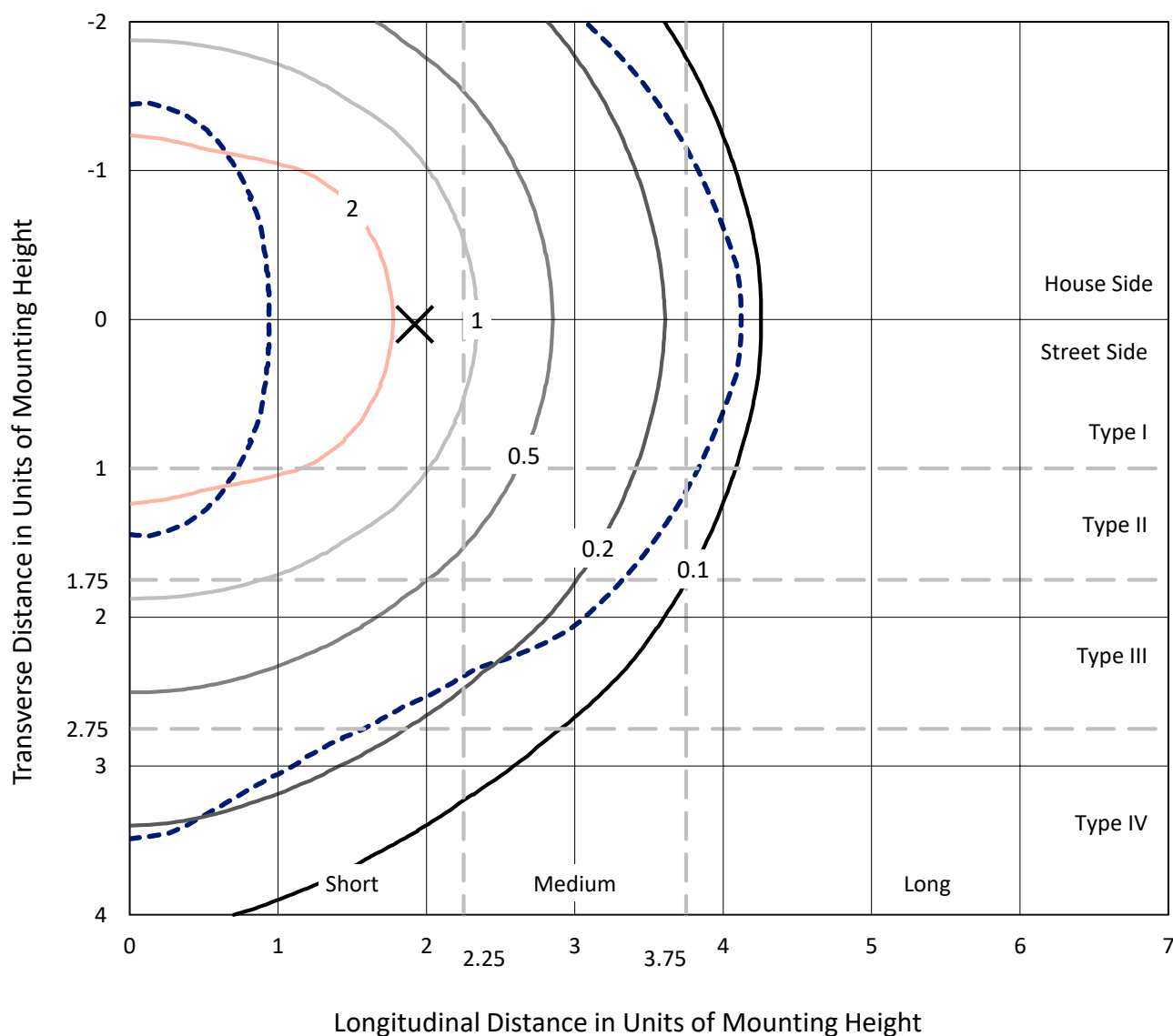


REPORT NUMBER: P198046

CATALOG NUMBER: TT-C3-LED-E1-RW-CG-MS/DIM

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

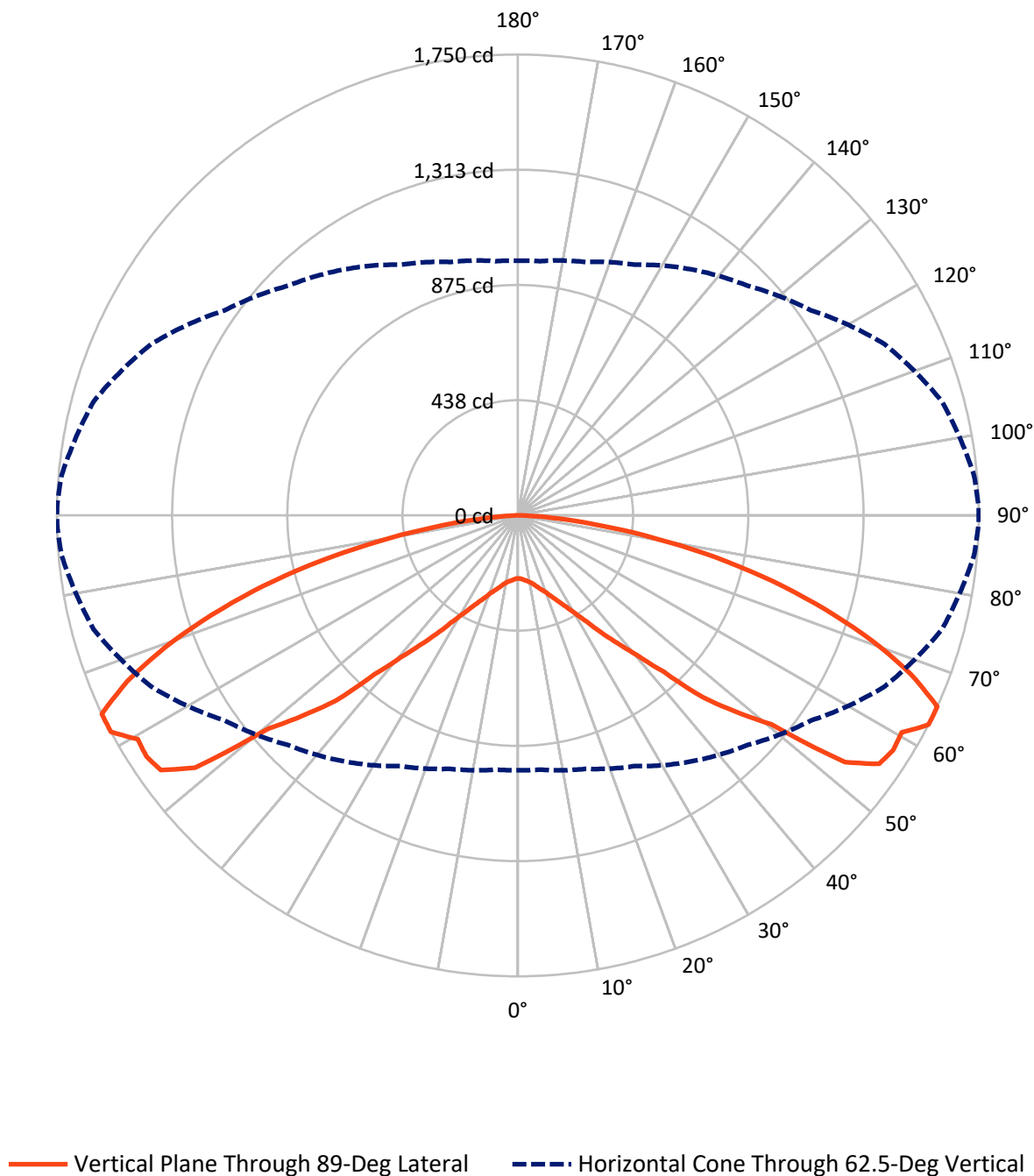


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P198046

CATALOG NUMBER: TT-C3-LED-E1-RW-CG-MS/DIM

Luminous Intensity Polar Plot



REPORT NUMBER: P198046

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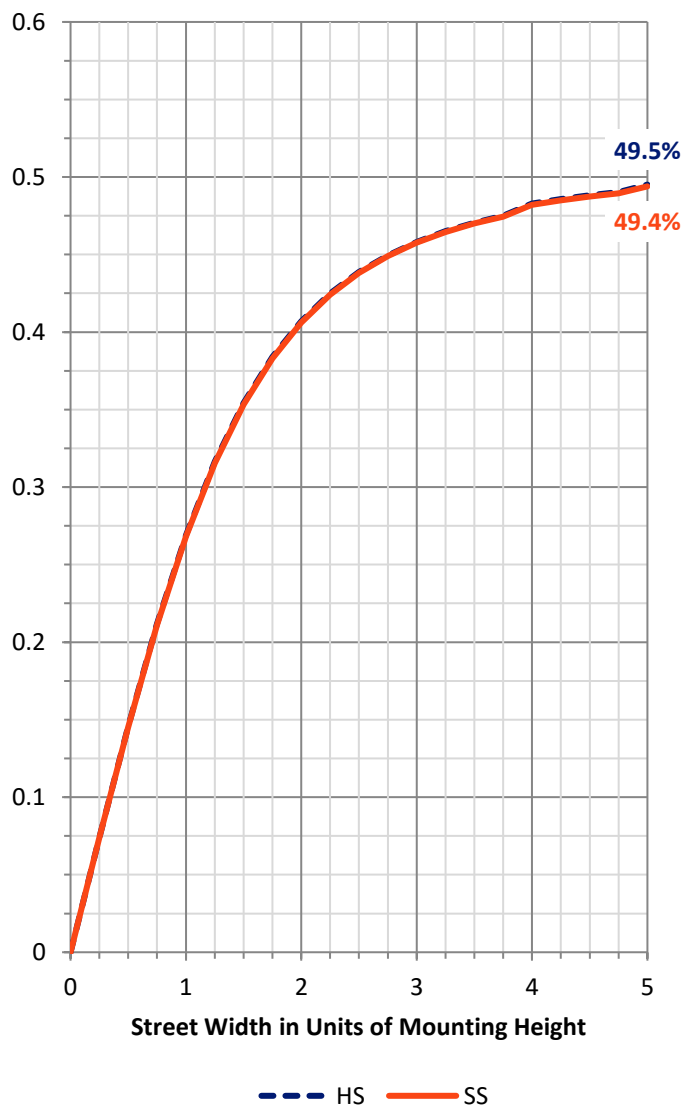
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2286.1	0.0	2286.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2286.1	0.0	2286.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	4572.3	0.0	4572.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.9	0.5
10°-20°	81.4	1.8
20°-30°	173.1	3.8
30°-40°	332.6	7.3
40°-50°	615.7	13.5
50°-60°	1040.1	22.7
60°-70°	1256.2	27.5
70°-80°	864.9	18.9
80°-90°	184.5	4.0
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°	4572.3	100.0
0°-180°	4572.3	100.0

Coefficient of Utilization



REPORT NUMBER: P198046

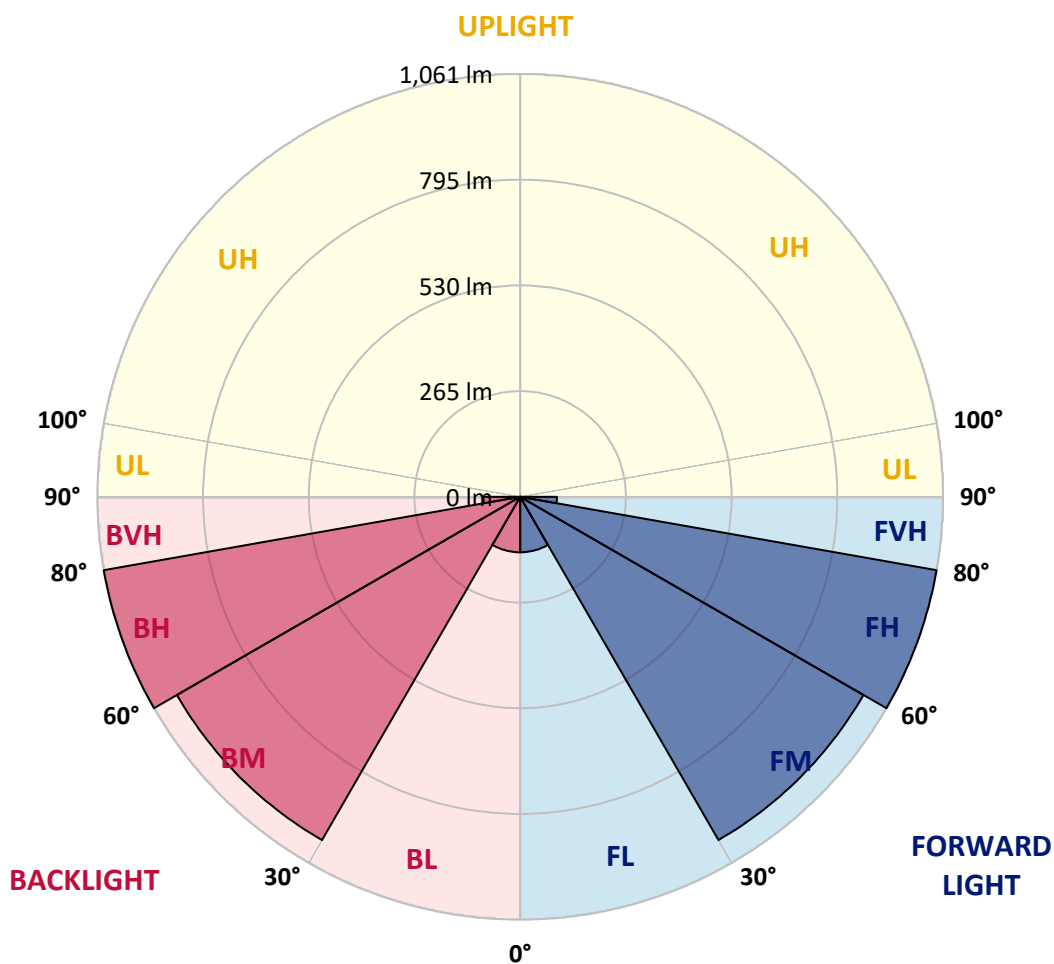
CATALOG NUMBER: TT-C3-LED-E1-RW-CG-MS/DIM

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	139.1	3.0			
FM	(30°-60°)	994.2	21.7			
FH	(60°-80°)	1060.5	23.2			G1/1800
FVH	(80°-90°)	92.3	2.0			G1/100
BL	(0°-30°)	139.1	3.0	B1/500		
BM	(30°-60°)	994.2	21.7	B1/1000		
BH	(60°-80°)	1060.5	23.2	B3/2500		G3/2500
BVH	(80°-90°)	92.3	2.0			G1/100
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



REPORT NUMBER: P198046

CATALOG NUMBER: TT-C3-LED-E1-RW-CG-MS/DIM

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	239	239	239	239	239	239	239	239	239	239	239
2.5°	241	241	241	241	242	242	242	242	242	242	241
5°	245	244	245	246	246	247	247	247	247	246	246
7.5°	250	250	251	252	253	252	252	251	251	251	251
10°	259	258	259	260	259	259	259	259	259	259	258
12.5°	269	269	269	269	268	269	268	269	269	269	268
15°	283	283	283	282	281	281	281	281	281	281	282
17.5°	302	301	300	298	297	296	296	296	297	297	297
20°	324	322	320	319	318	316	315	316	317	317	314
22.5°	351	348	345	344	340	339	338	337	337	338	337
25°	376	377	374	369	368	366	363	364	363	364	363
27.5°	407	409	406	401	398	395	393	393	394	397	394
30°	442	443	440	436	431	427	426	431	431	435	433
32.5°	479	478	474	473	467	467	468	472	479	482	481
35°	524	518	517	513	508	508	514	524	537	545	546
37.5°	565	563	562	556	553	559	571	589	600	616	616
40°	607	612	607	601	604	613	633	656	681	698	698
42.5°	648	657	652	647	655	676	701	740	790	812	811
45°	692	699	694	695	712	738	786	870	940	985	986
47.5°	740	741	738	743	768	818	883	986	1055	1109	1113
50°	788	783	782	794	839	902	995	1095	1204	1244	1247
52.5°	831	825	829	849	908	986	1102	1272	1430	1548	1556
55°	872	865	875	907	985	1090	1235	1447	1581	1658	1665
57.5°	907	905	921	961	1057	1185	1344	1517	1616	1674	1681
60°	942	942	963	1015	1122	1239	1365	1516	1618	1667	1674
62.5°	967	969	996	1050	1141	1233	1358	1537	1668	1739	1750
65°	981	985	1014	1050	1133	1227	1403	1554	1662	1737	1750
67.5°	983	991	1005	1032	1102	1182	1331	1454	1544	1601	1610
70°	974	971	970	977	1012	1070	1201	1298	1387	1423	1430
72.5°	929	928	893	871	880	920	1036	1111	1169	1215	1220
75°	839	831	773	728	719	755	842	897	949	992	1003
77.5°	700	680	621	568	551	578	643	681	719	769	769
80°	508	498	447	404	387	403	449	465	485	530	531
82.5°	328	317	283	256	241	251	270	277	294	321	320
85°	160	160	143	128	114	116	128	132	146	153	151
87.5°	40	44	39	36	32	32	36	36	44	44	42
90°	0	0	0	0	0	0	0	0	0	0	0

REPORT NUMBER: P198046

CATALOG NUMBER: TT-C3-LED-E1-RW-CG-MS/DIM

CANDELA DISTRIBUTION (continued):

	90°
0°	239
2.5°	241
5°	246
7.5°	251
10°	258
12.5°	269
15°	281
17.5°	298
20°	317
22.5°	337
25°	363
27.5°	397
30°	435
32.5°	480
35°	542
37.5°	616
40°	699
42.5°	812
45°	988
47.5°	1109
50°	1244
52.5°	1551
55°	1664
57.5°	1682
60°	1676
62.5°	1750
65°	1748
67.5°	1608
70°	1433
72.5°	1228
75°	1007
77.5°	764
80°	552
82.5°	322
85°	153
87.5°	46
90°	0

(END OF REPORT)