

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: P198070

Luminaire Tested: **TT-C3-LED-E1-RW-CG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198070
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34695)
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
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS
Light Source: (168) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4889.7 lumens
Efficiency: N/A
Efficacy: 108.7 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



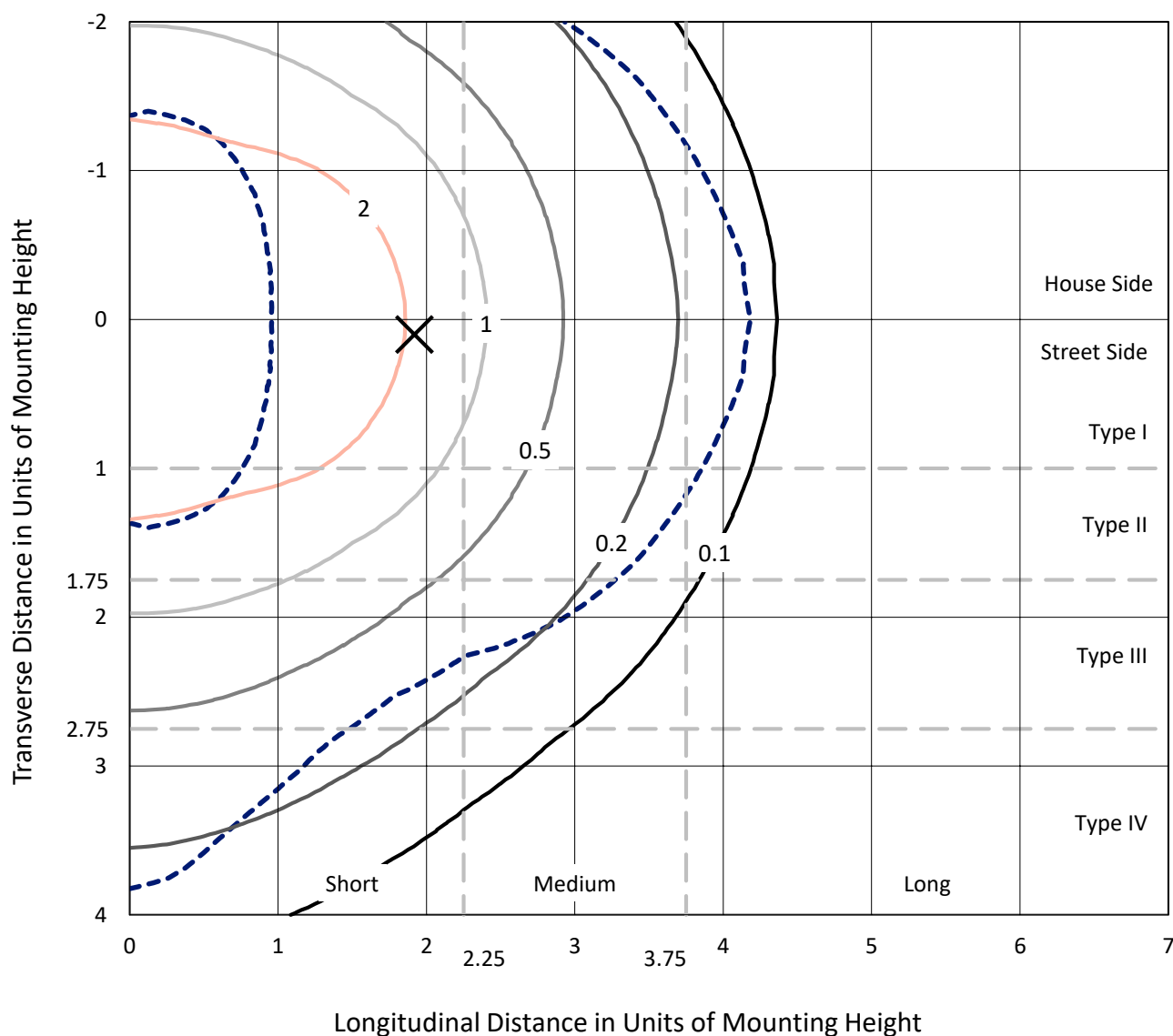
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

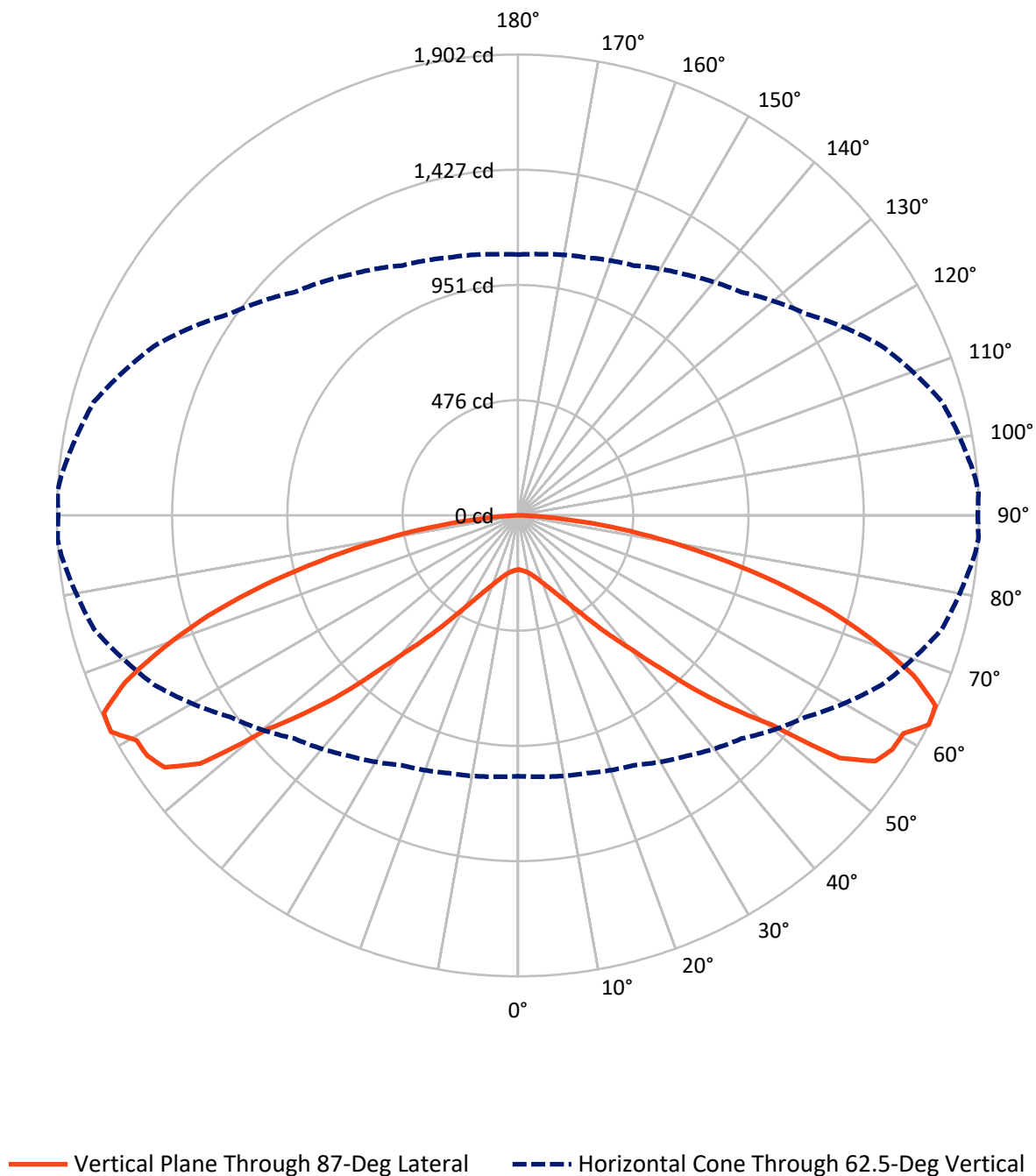


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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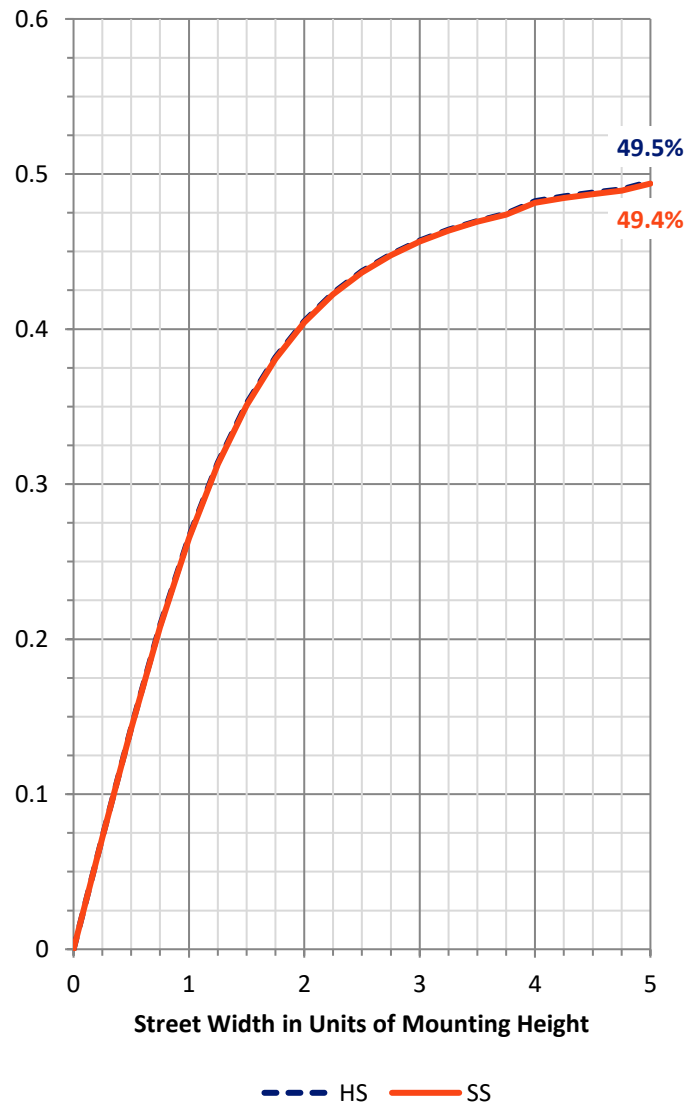
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2444.8	0.0	2444.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2444.8	0.0	2444.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	4889.7	0.0	4889.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.3	0.5
10°-20°	77.2	1.6
20°-30°	170.4	3.5
30°-40°	343.2	7.0
40°-50°	654.6	13.4
50°-60°	1120.9	22.9
60°-70°	1357.9	27.8
70°-80°	940.8	19.2
80°-90°	202.2	4.1
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°	4889.7	100.0
0°-180°	4889.7	100.0

Coefficient of Utilization



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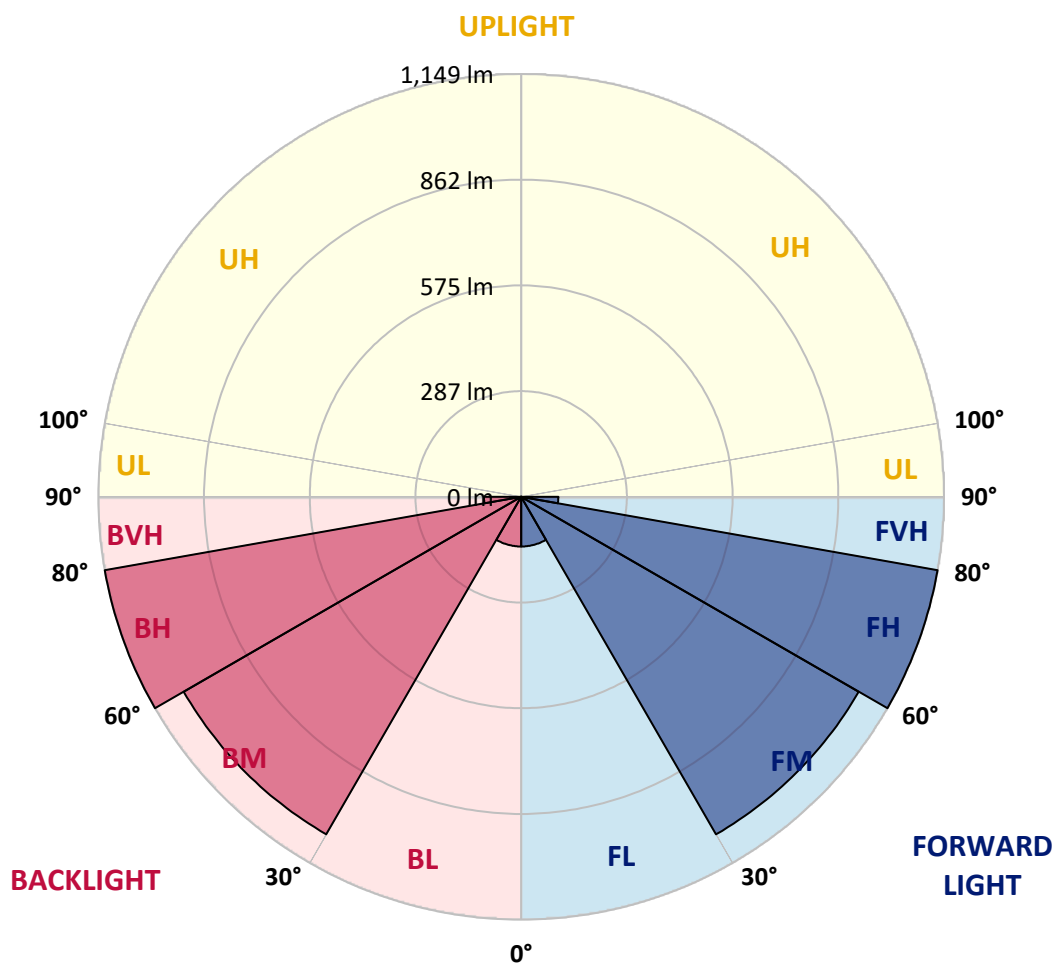
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	135.0	2.8			
FM	(30°-60°)	1059.4	21.7			
FH	(60°-80°)	1149.4	23.5			G1/1800
FVH	(80°-90°)	101.1	2.1			G2/225
BL	(0°-30°)	135.0	2.8	B1/500		
BM	(30°-60°)	1059.4	21.7	B2/2500		
BH	(60°-80°)	1149.4	23.5	B3/2500		G3/2500
BVH	(80°-90°)	101.1	2.1			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°	87°
0°	223	223	223	223	223	223	223	223	223	223	223
2.5°	225	225	226	226	226	226	226	226	226	226	226
5°	229	229	229	230	230	230	230	230	229	229	229
7.5°	235	235	235	236	236	236	235	235	234	234	234
10°	243	243	244	244	243	243	242	241	242	241	241
12.5°	254	256	255	255	253	253	252	252	252	251	251
15°	270	270	271	269	269	266	265	264	265	265	264
17.5°	289	289	289	286	284	282	281	280	279	280	280
20°	318	316	312	310	305	303	301	300	299	299	299
22.5°	348	346	341	337	333	328	326	322	321	323	322
25°	377	380	374	369	366	358	353	352	350	349	350
27.5°	413	415	410	403	397	391	386	384	385	385	386
30°	453	457	449	445	436	428	424	426	428	431	430
32.5°	499	499	495	488	478	471	469	472	481	485	484
35°	553	549	545	536	523	519	523	533	546	553	557
37.5°	609	601	595	585	579	577	586	605	619	632	638
40°	657	657	649	638	632	641	655	682	709	723	733
42.5°	705	711	702	693	693	705	732	774	825	855	860
45°	755	766	754	748	754	778	829	910	986	1035	1027
47.5°	807	817	806	803	817	860	938	1042	1118	1169	1189
50°	871	864	860	859	888	952	1053	1165	1287	1333	1358
52.5°	925	913	911	918	966	1043	1169	1375	1544	1658	1662
55°	972	959	966	983	1048	1155	1314	1555	1698	1783	1790
57.5°	1012	1005	1017	1040	1124	1252	1430	1629	1747	1815	1822
60°	1048	1047	1060	1099	1193	1309	1456	1634	1757	1818	1827
62.5°	1076	1082	1101	1137	1212	1303	1450	1655	1811	1891	1902
65°	1100	1106	1125	1137	1204	1291	1483	1669	1803	1886	1893
67.5°	1113	1120	1117	1119	1171	1239	1405	1565	1675	1751	1760
70°	1111	1105	1081	1056	1067	1115	1265	1399	1499	1559	1562
72.5°	1069	1059	1002	944	927	959	1090	1191	1276	1331	1348
75°	974	954	871	796	758	782	883	971	1034	1088	1099
77.5°	801	789	706	624	582	598	678	730	798	854	840
80°	583	581	514	441	411	418	461	512	555	597	599
82.5°	381	375	330	277	246	250	277	304	345	372	380
85°	189	186	166	133	116	116	129	145	165	177	176
87.5°	52	47	46	34	28	30	30	33	42	45	48
90°	0	0	0	0	0	0	0	0	0	0	0

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CANDELA DISTRIBUTION (continued):

	90°
0°	223
2.5°	226
5°	229
7.5°	234
10°	242
12.5°	251
15°	264
17.5°	279
20°	299
22.5°	324
25°	350
27.5°	385
30°	431
32.5°	485
35°	555
37.5°	633
40°	729
42.5°	855
45°	1036
47.5°	1179
50°	1345
52.5°	1668
55°	1792
57.5°	1824
60°	1828
62.5°	1897
65°	1901
67.5°	1753
70°	1567
72.5°	1346
75°	1107
77.5°	855
80°	598
82.5°	374
85°	175
87.5°	44
90°	0

(END OF REPORT)