

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: P197782

Luminaire Tested: **TT-C3-LED-E1-WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34714)
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-WQ
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION
Light Source: (168) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5781.9 lumens
Efficiency: N/A
Efficacy: 128.5 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G2

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

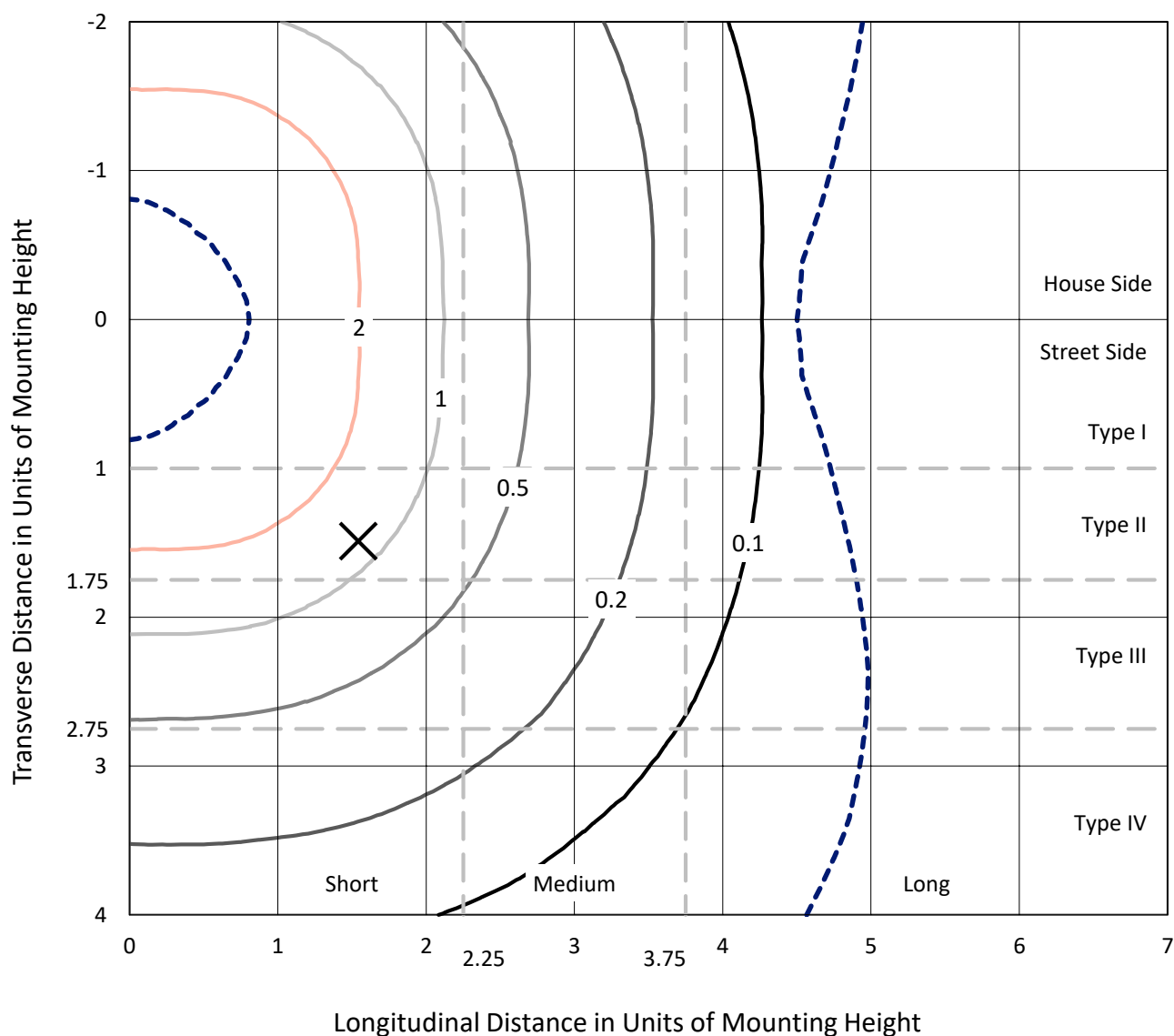


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

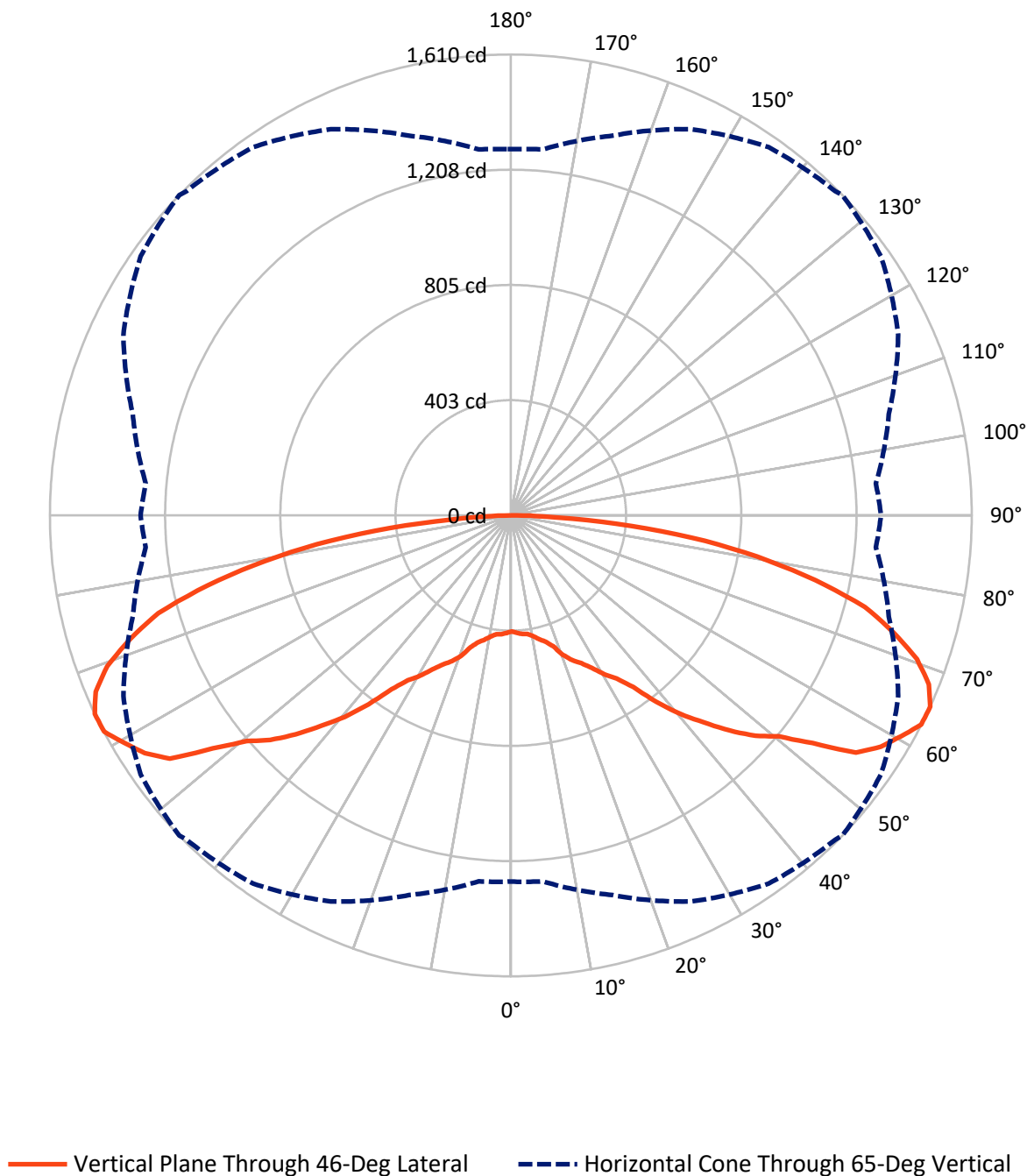


Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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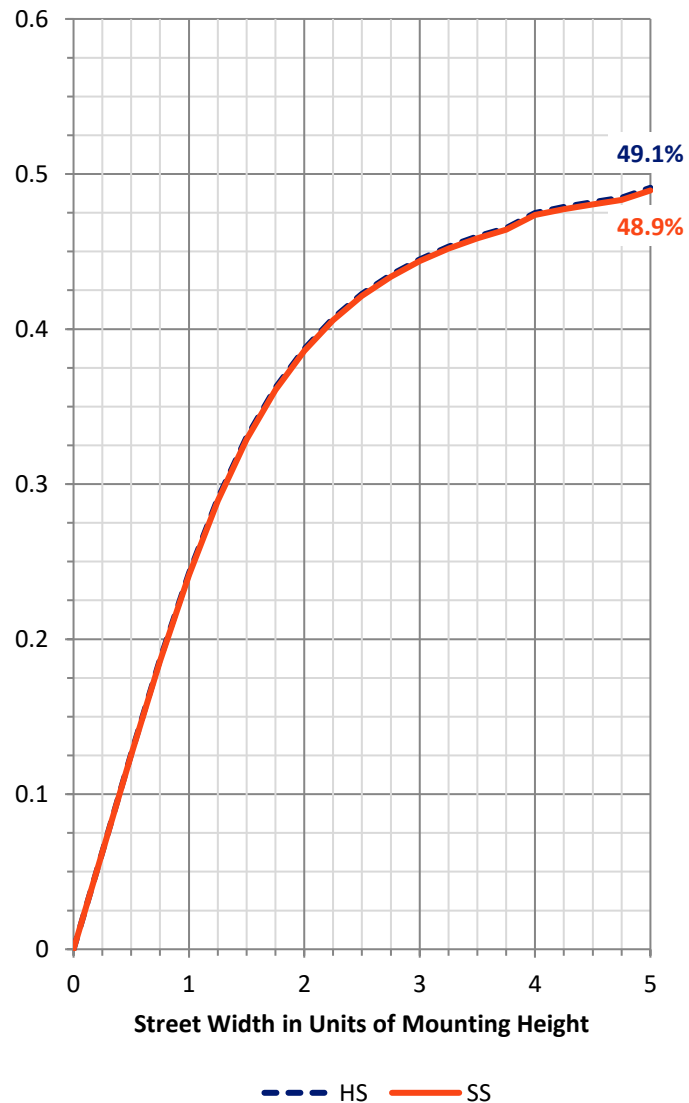
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2891.0	0.0	2891.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2891.0	0.0	2891.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5781.9	0.0	5781.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.1	0.7
10°-20°	133.5	2.3
20°-30°	268.6	4.6
30°-40°	467.7	8.1
40°-50°	791.1	13.7
50°-60°	1179.1	20.4
60°-70°	1411.1	24.4
70°-80°	1142.5	19.8
80°-90°	348.1	6.0
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°	5781.9	100.0
0°-180°	5781.9	100.0

Coefficient of Utilization



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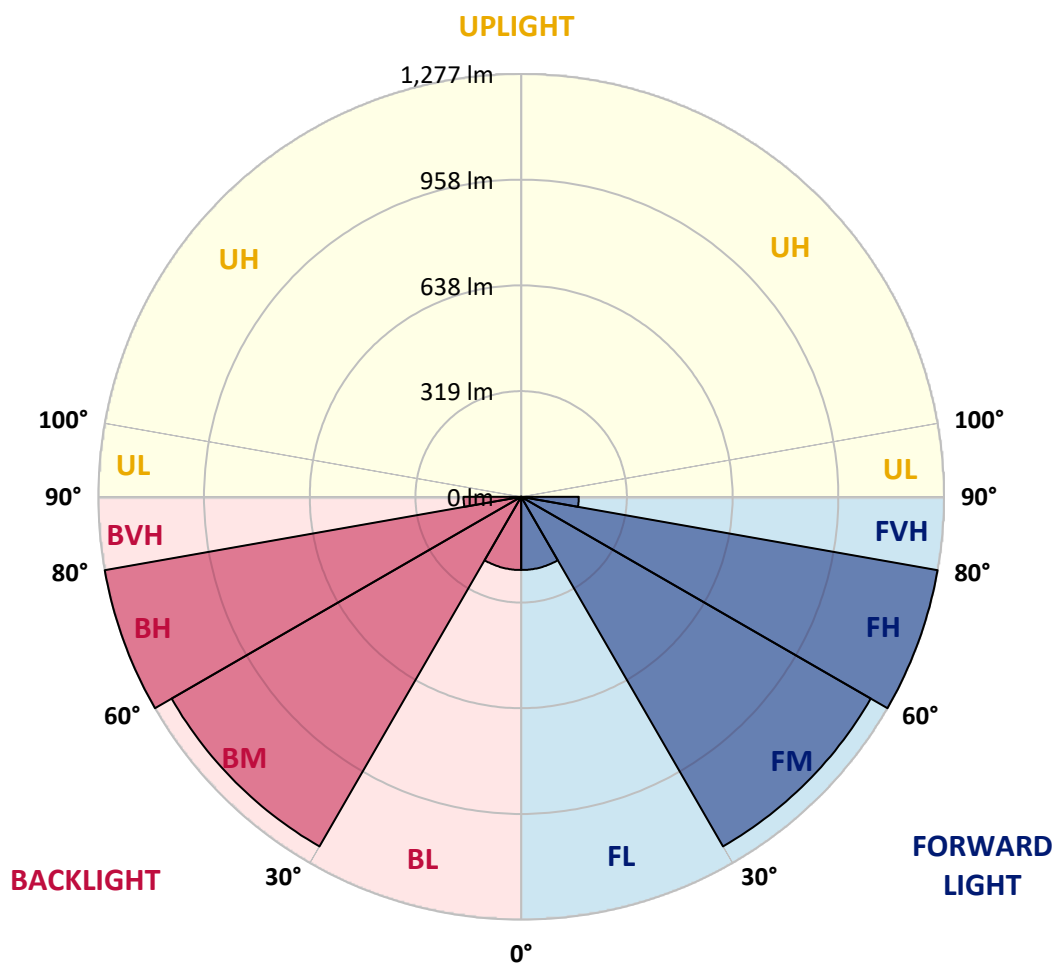
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	221.1	3.8			
FM	(30°-60°)	1219.0	21.1			
FH	(60°-80°)	1276.8	22.1			G1/1800
FVH	(80°-90°)	174.0	3.0			G2/225
BL	(0°-30°)	221.1	3.8	B1/500		
BM	(30°-60°)	1219.0	21.1	B2/2500		
BH	(60°-80°)	1276.8	22.1	B3/2500		G1/1800
BVH	(80°-90°)	174.0	3.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	405	405	405	405	405	405	405	405	405	405	405
2.5°	412	411	411	411	411	411	411	411	411	411	412
5°	419	419	418	417	417	416	416	416	417	418	418
7.5°	422	421	421	420	419	419	418	419	420	421	421
10°	428	429	430	431	432	431	429	431	431	430	428
12.5°	442	442	445	448	448	447	444	448	447	444	442
15°	461	462	462	465	463	461	458	463	463	461	460
17.5°	488	486	483	485	487	487	481	487	483	481	484
20°	518	517	516	518	526	523	520	524	519	512	514
22.5°	541	543	546	549	557	555	549	556	548	546	540
25°	570	569	577	577	582	579	572	582	574	577	568
27.5°	599	598	604	604	613	612	603	613	604	602	599
30°	632	630	631	639	652	652	644	649	639	629	628
32.5°	667	663	669	682	689	687	679	687	684	667	663
35°	701	706	717	728	741	743	736	740	729	716	706
37.5°	758	766	780	806	826	832	826	824	808	779	765
40°	838	840	859	898	919	923	912	915	896	864	834
42.5°	903	900	934	969	991	1000	988	992	966	935	902
45°	956	959	994	1029	1064	1081	1072	1065	1027	992	963
47.5°	1005	1019	1043	1094	1138	1157	1150	1140	1100	1042	1020
50°	1067	1076	1105	1171	1212	1219	1213	1213	1175	1108	1078
52.5°	1134	1135	1178	1246	1298	1326	1321	1307	1247	1188	1139
55°	1214	1203	1270	1341	1419	1465	1463	1433	1351	1273	1208
57.5°	1259	1261	1322	1429	1504	1517	1524	1506	1444	1324	1273
60°	1269	1293	1349	1467	1526	1564	1566	1536	1471	1357	1303
62.5°	1273	1302	1371	1465	1565	1602	1609	1578	1473	1374	1295
65°	1279	1283	1373	1488	1570	1602	1610	1578	1493	1367	1280
67.5°	1254	1244	1323	1448	1528	1566	1575	1537	1451	1325	1257
70°	1164	1168	1256	1375	1463	1499	1505	1464	1374	1265	1186
72.5°	1069	1079	1153	1273	1352	1387	1398	1355	1279	1167	1085
75°	937	956	1027	1135	1214	1267	1278	1222	1131	1034	955
77.5°	791	804	872	965	1050	1077	1087	1060	970	884	810
80°	622	627	696	770	836	858	873	839	778	700	628
82.5°	427	434	483	551	609	618	637	609	552	492	438
85°	222	232	270	307	352	363	369	348	318	269	233
87.5°	48	53	59	76	91	104	113	94	75	63	48
90°	0	0	0	0	0	0	0	0	0	0	0

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CANDELA DISTRIBUTION (continued):

	90°
0°	405
2.5°	411
5°	418
7.5°	421
10°	428
12.5°	441
15°	461
17.5°	486
20°	513
22.5°	537
25°	566
27.5°	599
30°	633
32.5°	661
35°	700
37.5°	764
40°	841
42.5°	903
45°	954
47.5°	1011
50°	1068
52.5°	1141
55°	1213
57.5°	1250
60°	1273
62.5°	1291
65°	1293
67.5°	1241
70°	1162
72.5°	1072
75°	940
77.5°	801
80°	622
82.5°	437
85°	229
87.5°	45
90°	0

(END OF REPORT)