

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: P198022

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198022
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34697)
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-LWR-LW
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND LumaWatt WIRELESS
SENSOR
Light Source: (168) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4272 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - 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



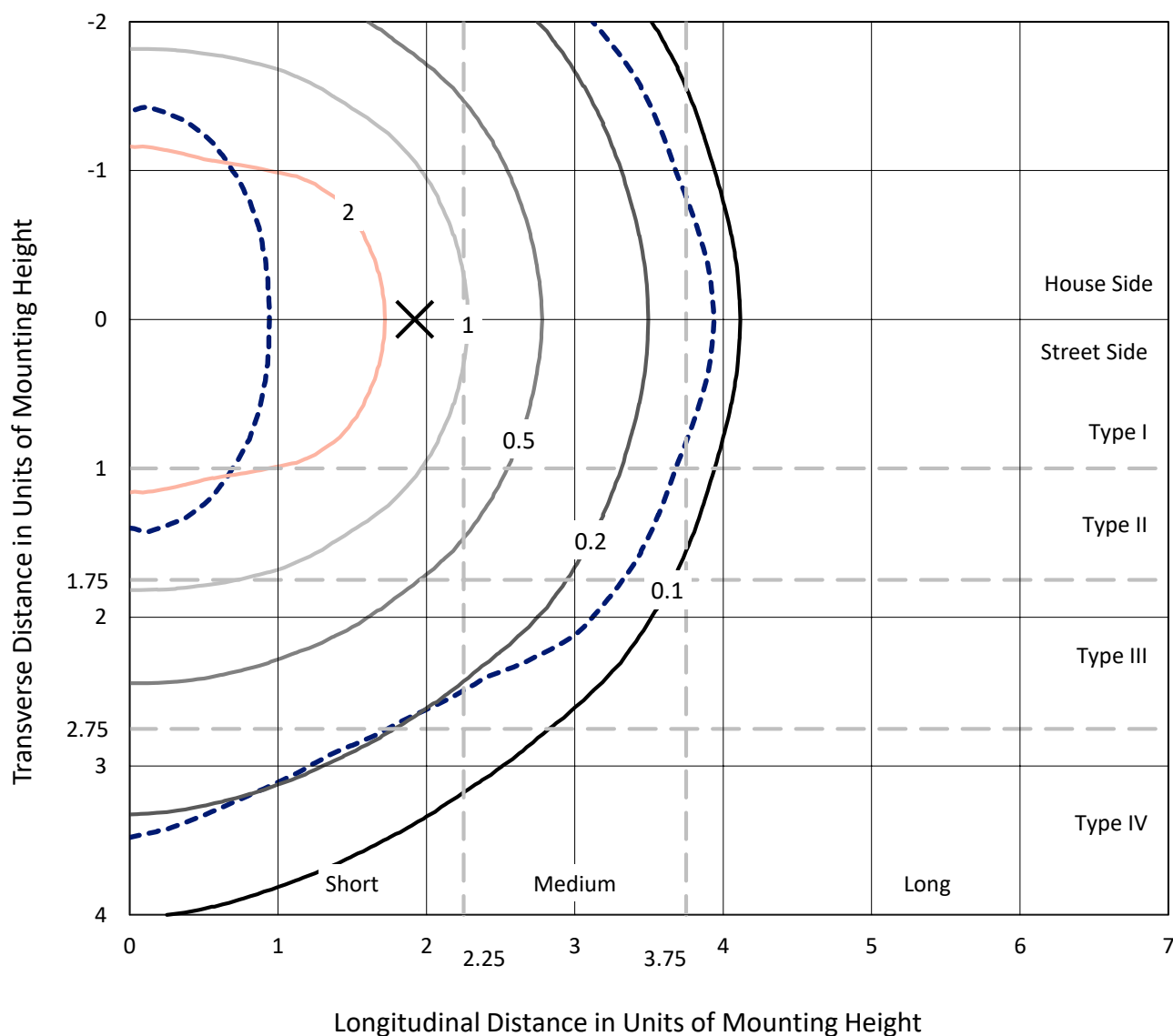
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

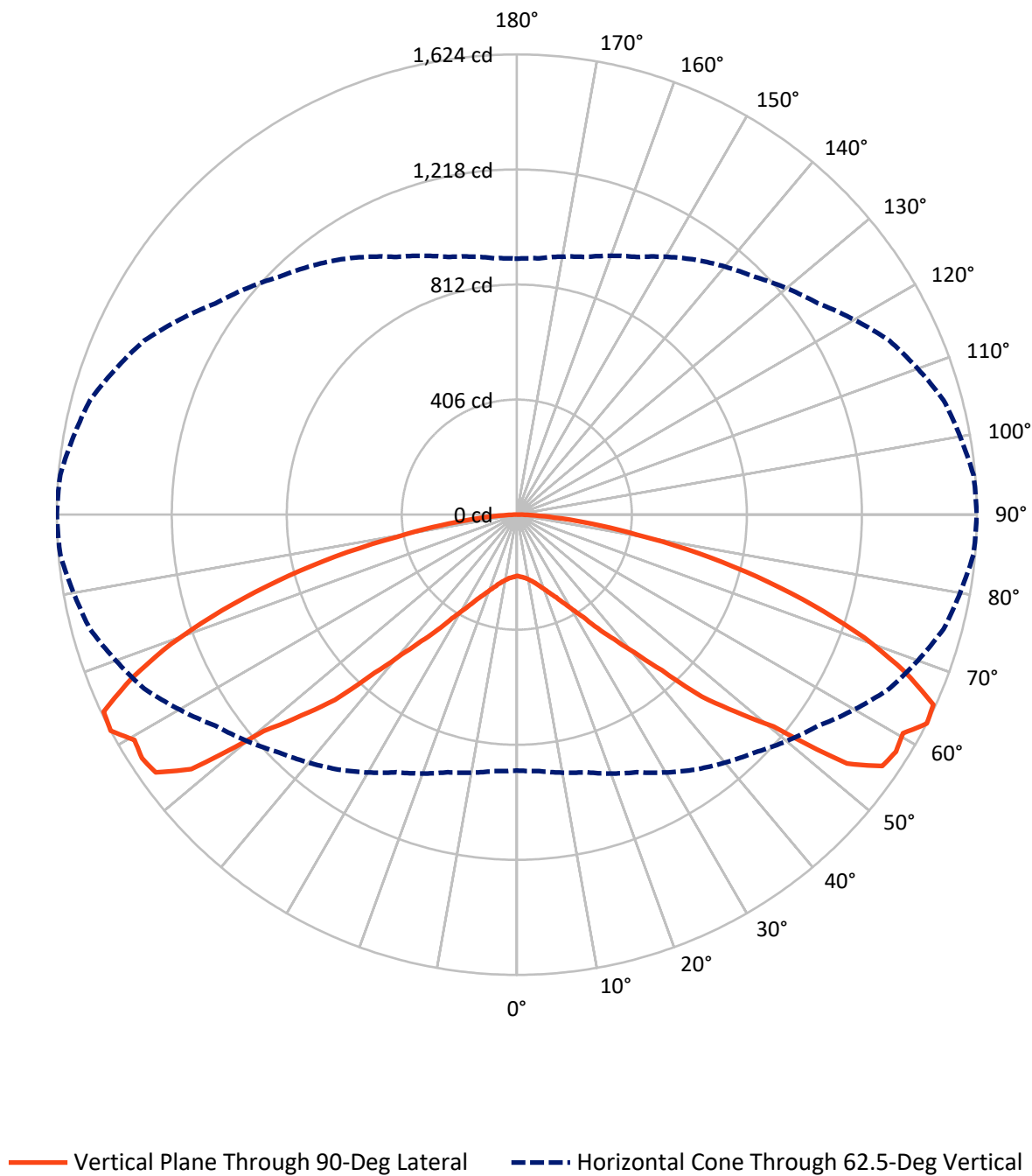


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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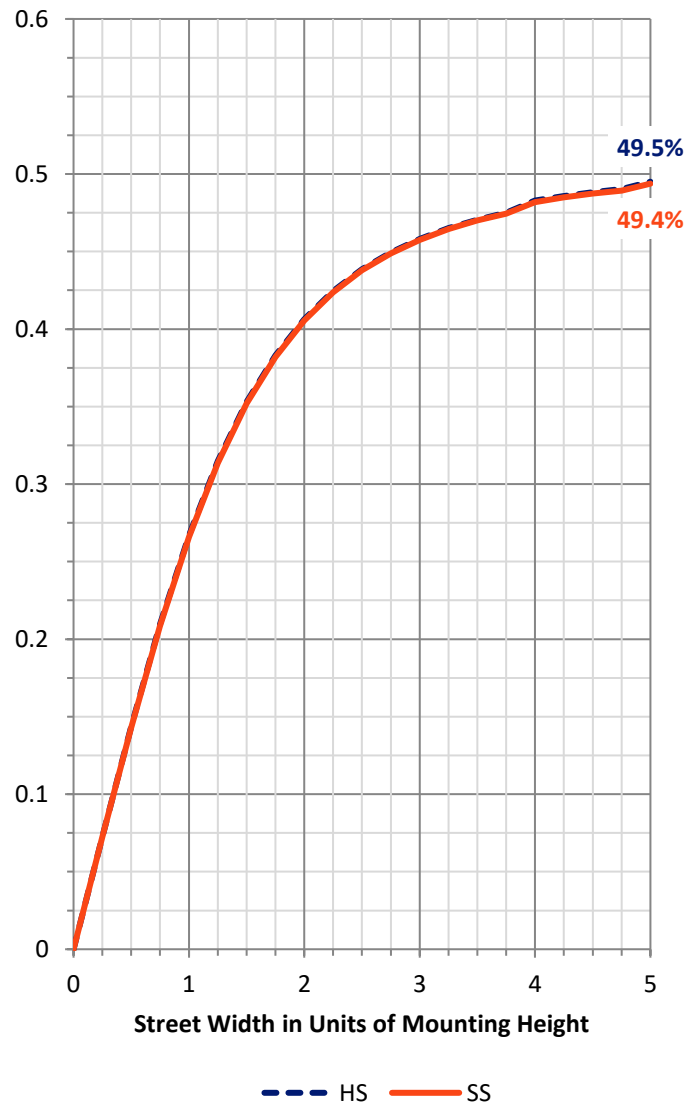
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2136.0	0.0	2136.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2136.0	0.0	2136.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4272.0	0.0	4272.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.6	0.5
10°-20°	73.5	1.7
20°-30°	157.1	3.7
30°-40°	305.5	7.2
40°-50°	576.1	13.5
50°-60°	984.4	23.0
60°-70°	1185.4	27.7
70°-80°	797.8	18.7
80°-90°	170.6	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°	4272.0	100.0
0°-180°	4272.0	100.0

Coefficient of Utilization



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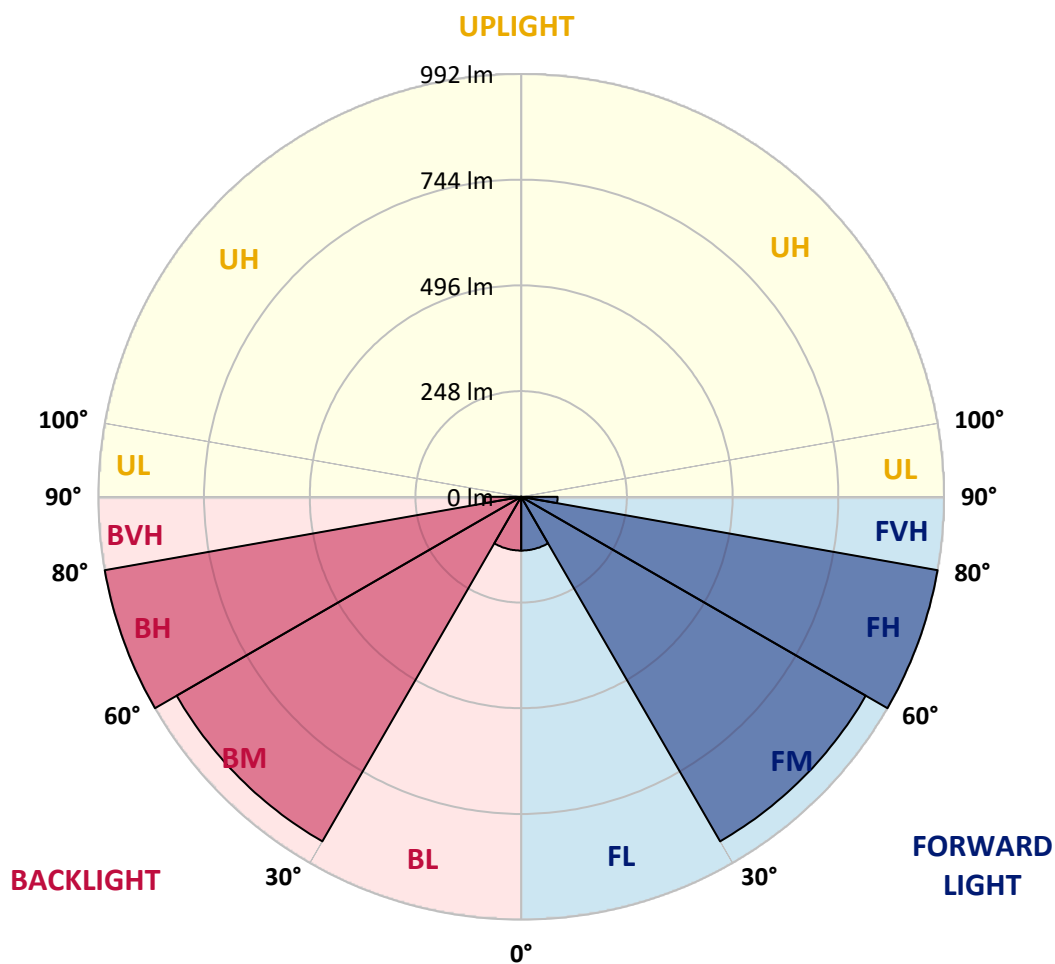
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	126.1	3.0			
FM	(30°-60°)	933.0	21.8			
FH	(60°-80°)	991.6	23.2			G1/1800
FVH	(80°-90°)	85.3	2.0			G1/100
BL	(0°-30°)	126.1	3.0	B1/500		
BM	(30°-60°)	933.0	21.8	B1/1000		
BH	(60°-80°)	991.6	23.2	B2/1000		G2/1000
BVH	(80°-90°)	85.3	2.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	216	216	216	216	216	216	216	216	216	216	216
2.5°	218	218	218	218	218	218	219	219	219	219	219
5°	221	221	222	222	223	223	223	223	222	222	222
7.5°	226	226	227	228	228	227	227	226	226	226	226
10°	234	234	235	235	234	234	234	233	233	233	233
12.5°	243	244	245	244	243	242	242	241	241	241	241
15°	256	258	257	257	256	254	253	252	252	252	252
17.5°	276	276	273	271	269	268	267	266	266	266	266
20°	297	296	293	290	287	286	283	282	283	282	282
22.5°	322	321	317	314	310	306	305	302	301	300	301
25°	347	348	345	342	336	332	328	326	324	323	323
27.5°	376	378	376	370	364	361	355	353	352	353	353
30°	407	408	405	402	396	389	385	386	386	389	388
32.5°	445	444	440	438	432	426	424	425	429	431	431
35°	487	484	480	476	471	467	468	476	488	491	493
37.5°	529	524	524	518	514	517	523	538	547	561	558
40°	568	569	567	562	561	571	584	603	626	640	639
42.5°	604	613	607	608	613	629	650	687	733	751	751
45°	644	655	650	653	667	692	737	810	873	916	916
47.5°	685	695	693	699	724	768	837	928	991	1033	1039
50°	737	733	734	749	792	856	944	1034	1138	1163	1175
52.5°	782	770	777	802	864	939	1048	1207	1351	1451	1459
55°	819	810	824	859	939	1038	1180	1375	1494	1555	1566
57.5°	851	847	870	915	1017	1138	1282	1440	1523	1570	1578
60°	880	883	908	968	1078	1189	1305	1438	1521	1558	1566
62.5°	903	908	941	1003	1098	1187	1299	1452	1560	1618	1624
65°	918	923	960	1003	1092	1178	1336	1466	1546	1605	1616
67.5°	920	927	949	985	1060	1136	1272	1366	1430	1466	1476
70°	908	906	914	929	974	1026	1141	1211	1257	1294	1303
72.5°	862	859	840	823	840	881	980	1027	1058	1088	1094
75°	774	760	713	689	684	720	796	826	838	872	876
77.5°	619	613	573	531	527	549	607	620	610	647	658
80°	452	444	406	375	367	382	416	419	412	430	430
82.5°	289	281	265	242	225	234	260	260	260	265	268
85°	149	146	134	123	117	119	128	129	134	137	133
87.5°	42	44	42	37	36	35	39	40	43	45	47
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)