

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: P198142

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198142
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34699)
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-SG
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS
Light Source: (168) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4807 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full 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



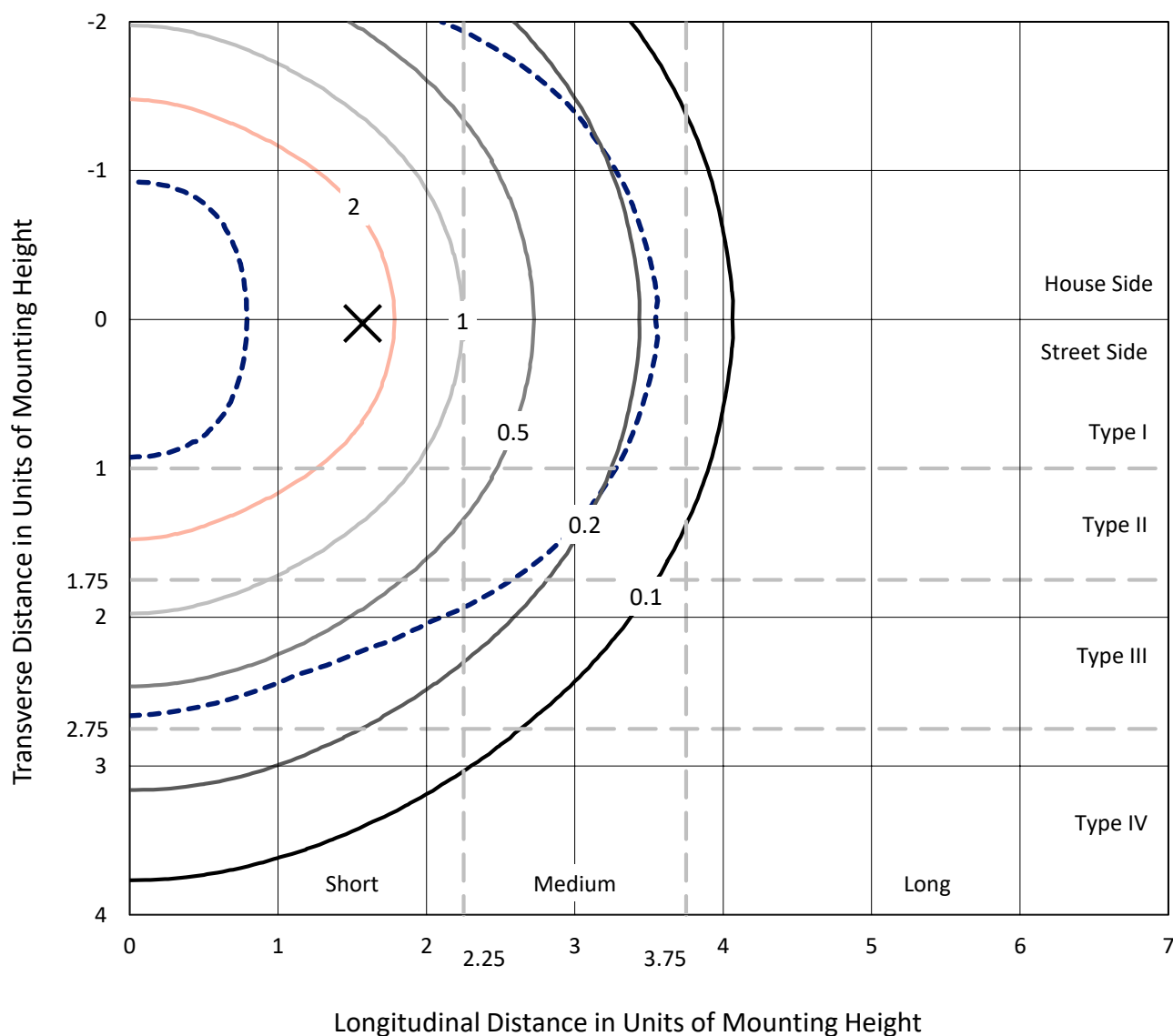
REPORT NUMBER: P198142

CATALOG NUMBER: TT-C3-LED-E1-RW-SG

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

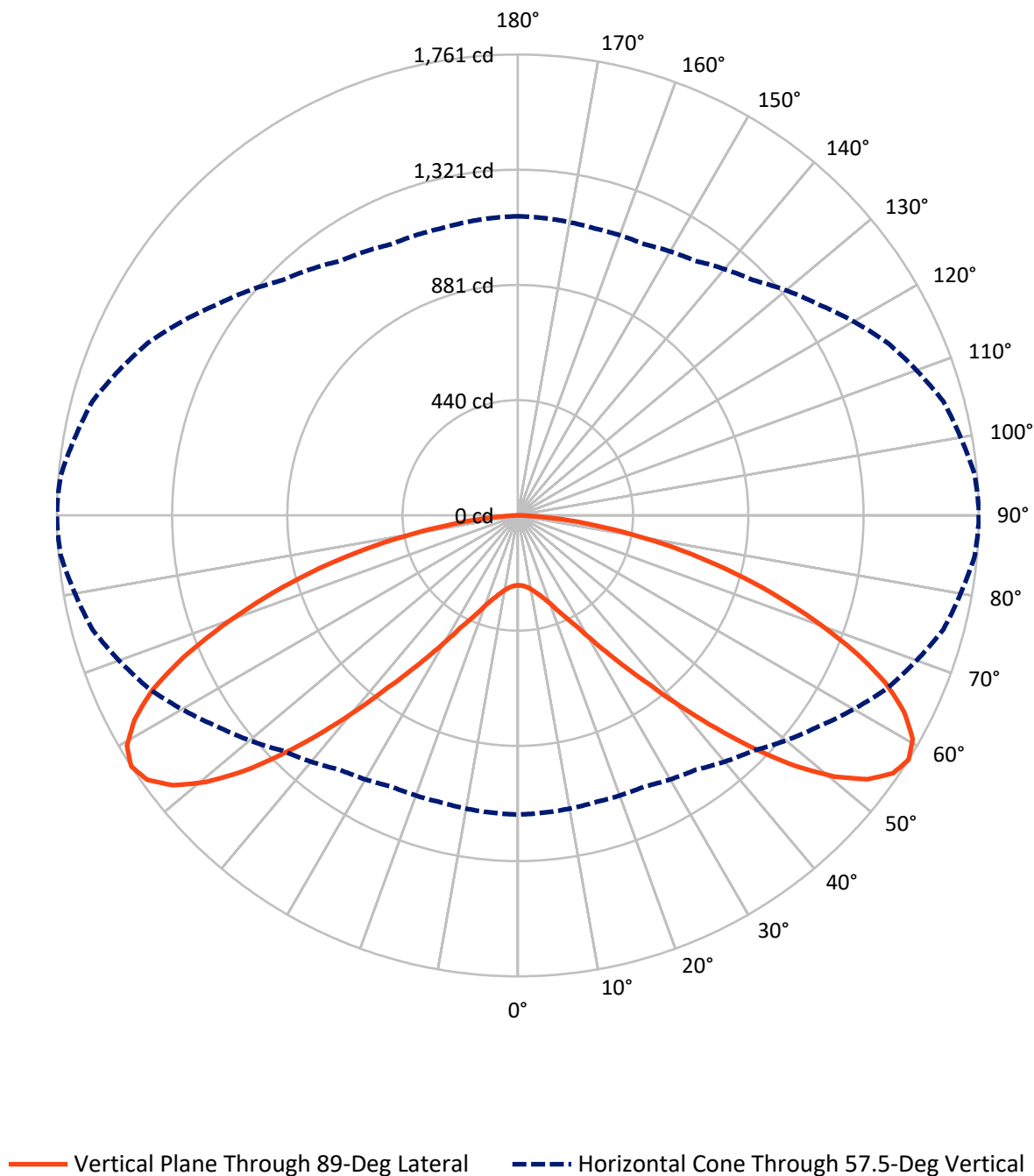


Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type III - Short - Full Cutoff

REPORT NUMBER: P198142

CATALOG NUMBER: TT-C3-LED-E1-RW-SG

Luminous Intensity Polar Plot



REPORT NUMBER: P198142

CATALOG NUMBER: TT-C3-LED-E1-RW-SG

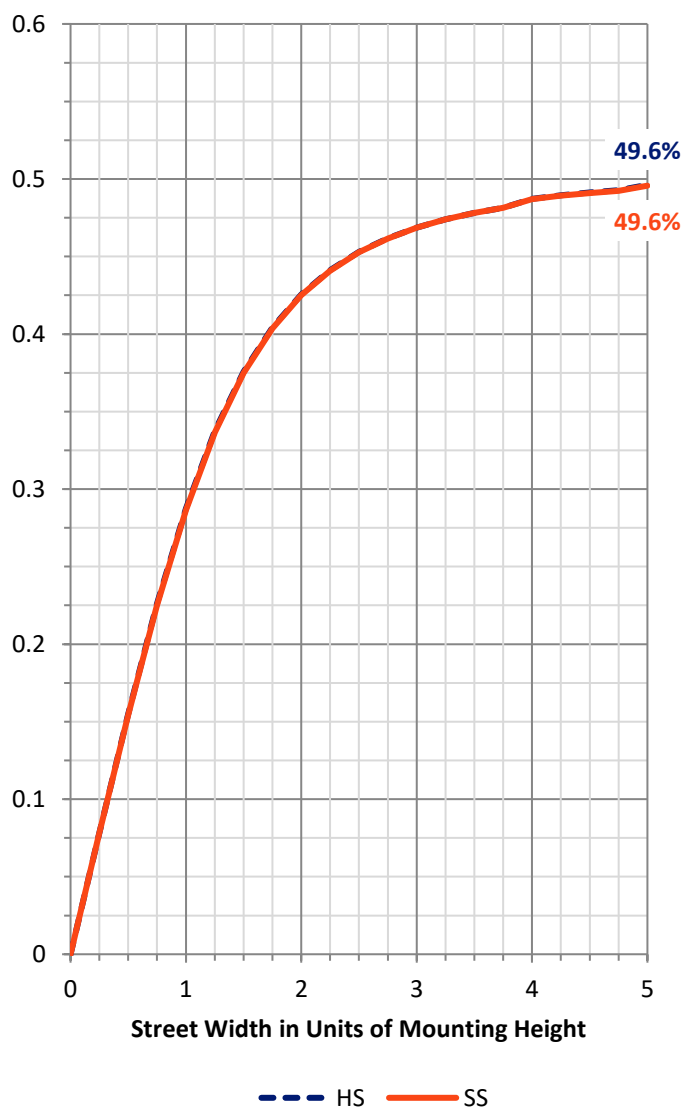
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2403.5	0.0	2403.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2403.5	0.0	2403.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4807.0	0.0	4807.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.5	0.6
10°-20°	92.6	1.9
20°-30°	207.3	4.3
30°-40°	429.1	8.9
40°-50°	814.5	16.9
50°-60°	1191.9	24.8
60°-70°	1188.3	24.7
70°-80°	707.3	14.7
80°-90°	149.6	3.1
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°	4807.0	100.0
0°-180°	4807.0	100.0

Coefficient of Utilization



REPORT NUMBER: P198142

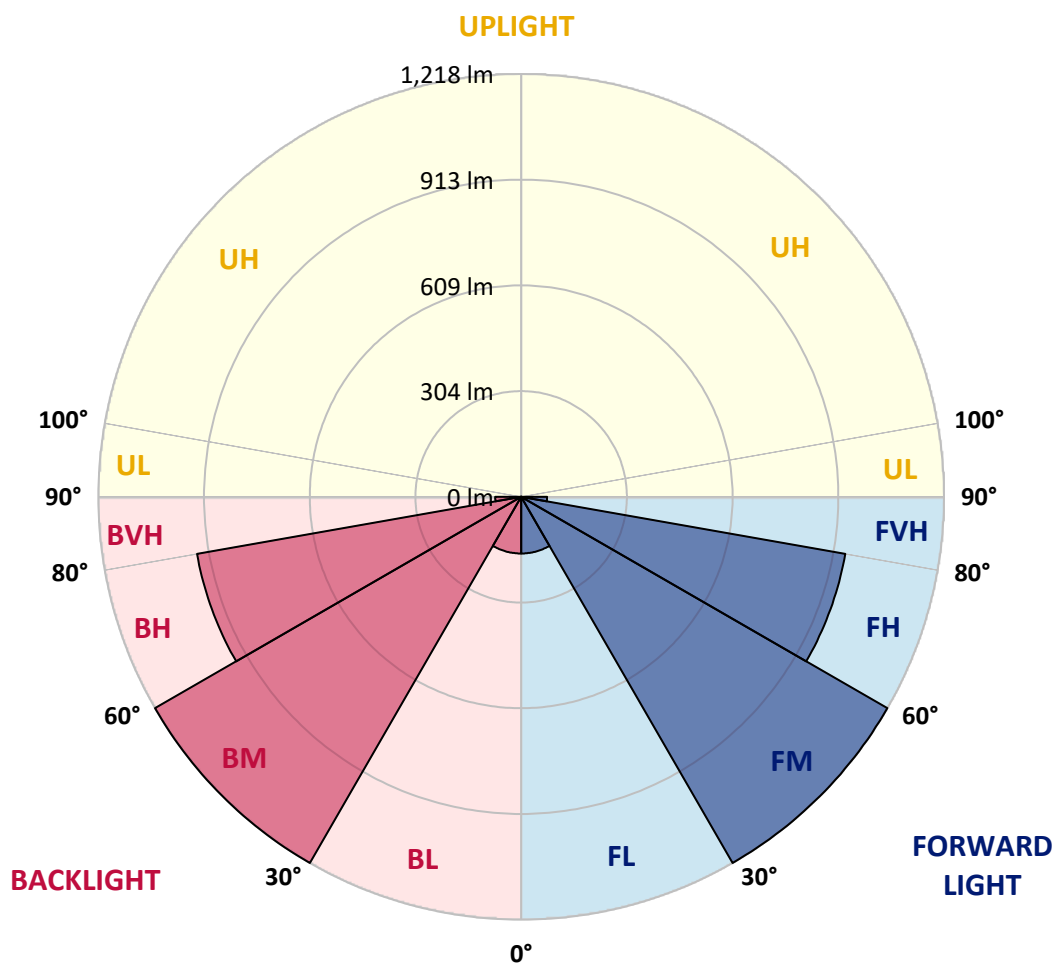
CATALOG NUMBER: TT-C3-LED-E1-RW-SG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	163.2	3.4			
FM	(30°-60°)	1217.7	25.3			
FH	(60°-80°)	947.8	19.7			G1/1800
FVH	(80°-90°)	74.8	1.6			G1/100
BL	(0°-30°)	163.2	3.4	B1/500		
BM	(30°-60°)	1217.7	25.3	B2/2500		
BH	(60°-80°)	947.8	19.7	B2/1000		G2/1000
BVH	(80°-90°)	74.8	1.6			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 III Short



REPORT NUMBER: P198142

CATALOG NUMBER: TT-C3-LED-E1-RW-SG

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	267	267	267	267	267	267	267	267	267	267	267
2.5°	269	269	269	269	268	268	268	268	268	268	268
5°	273	273	272	273	272	272	272	272	272	272	272
7.5°	279	279	279	279	279	279	278	279	278	278	278
10°	290	289	290	289	289	288	288	288	288	288	288
12.5°	304	304	304	303	302	302	301	301	301	300	301
15°	323	324	321	320	320	318	317	318	317	316	317
17.5°	346	347	345	343	341	340	339	338	338	338	337
20°	376	376	374	370	367	365	365	364	364	365	362
22.5°	410	409	407	405	401	397	395	394	394	396	397
25°	452	453	447	443	439	432	431	432	433	433	435
27.5°	495	497	492	486	480	477	475	477	479	482	481
30°	546	545	544	535	528	525	527	533	538	545	546
32.5°	601	603	596	589	586	583	586	599	613	617	622
35°	666	662	658	653	648	648	663	678	700	715	715
37.5°	732	729	722	715	715	725	740	777	809	831	822
40°	800	796	794	786	787	811	843	889	935	966	960
42.5°	869	870	863	860	869	896	952	1014	1072	1111	1112
45°	940	940	935	933	950	991	1061	1146	1224	1269	1274
47.5°	1005	1004	1000	999	1028	1077	1165	1274	1370	1420	1433
50°	1061	1062	1056	1061	1087	1152	1258	1390	1500	1563	1569
52.5°	1105	1106	1099	1103	1138	1213	1331	1479	1599	1666	1674
55°	1135	1131	1126	1132	1172	1255	1384	1538	1663	1733	1739
57.5°	1143	1140	1135	1143	1186	1271	1404	1559	1683	1753	1761
60°	1131	1131	1125	1134	1177	1260	1390	1540	1658	1722	1733
62.5°	1100	1100	1093	1100	1141	1218	1342	1481	1588	1644	1657
65°	1042	1041	1037	1039	1073	1146	1259	1385	1478	1528	1545
67.5°	958	955	951	955	980	1045	1149	1259	1336	1384	1388
70°	851	848	843	841	867	919	1003	1100	1164	1199	1203
72.5°	724	728	724	718	735	781	851	925	978	1010	1015
75°	599	600	590	588	601	630	687	744	790	817	825
77.5°	464	464	455	450	457	482	521	567	605	622	636
80°	334	334	326	314	321	334	369	394	424	443	445
82.5°	209	206	208	199	201	205	227	244	262	272	273
85°	109	105	103	98	95	102	112	124	128	137	134
87.5°	34	32	31	31	28	30	31	33	38	38	40
90°	0	0	0	0	0	0	0	0	0	0	0

REPORT NUMBER: P198142

CATALOG NUMBER: TT-C3-LED-E1-RW-SG

CANDELA DISTRIBUTION (continued):

	90°
0°	267
2.5°	268
5°	272
7.5°	278
10°	288
12.5°	300
15°	317
17.5°	338
20°	362
22.5°	394
25°	433
27.5°	479
30°	545
32.5°	619
35°	709
37.5°	832
40°	959
42.5°	1119
45°	1274
47.5°	1433
50°	1566
52.5°	1671
55°	1742
57.5°	1761
60°	1730
62.5°	1654
65°	1543
67.5°	1388
70°	1209
72.5°	1012
75°	816
77.5°	632
80°	445
82.5°	281
85°	134
87.5°	43
90°	0

(END OF REPORT)