

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: P198095

Luminaire Tested: **TT-C3-LED-E1-RW-SG-LWR-LW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34701)
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-LWR-LW-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND LumaWatt WIRELESS
SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4099.2 lumens
Efficiency: N/A
Efficacy: 91.1 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



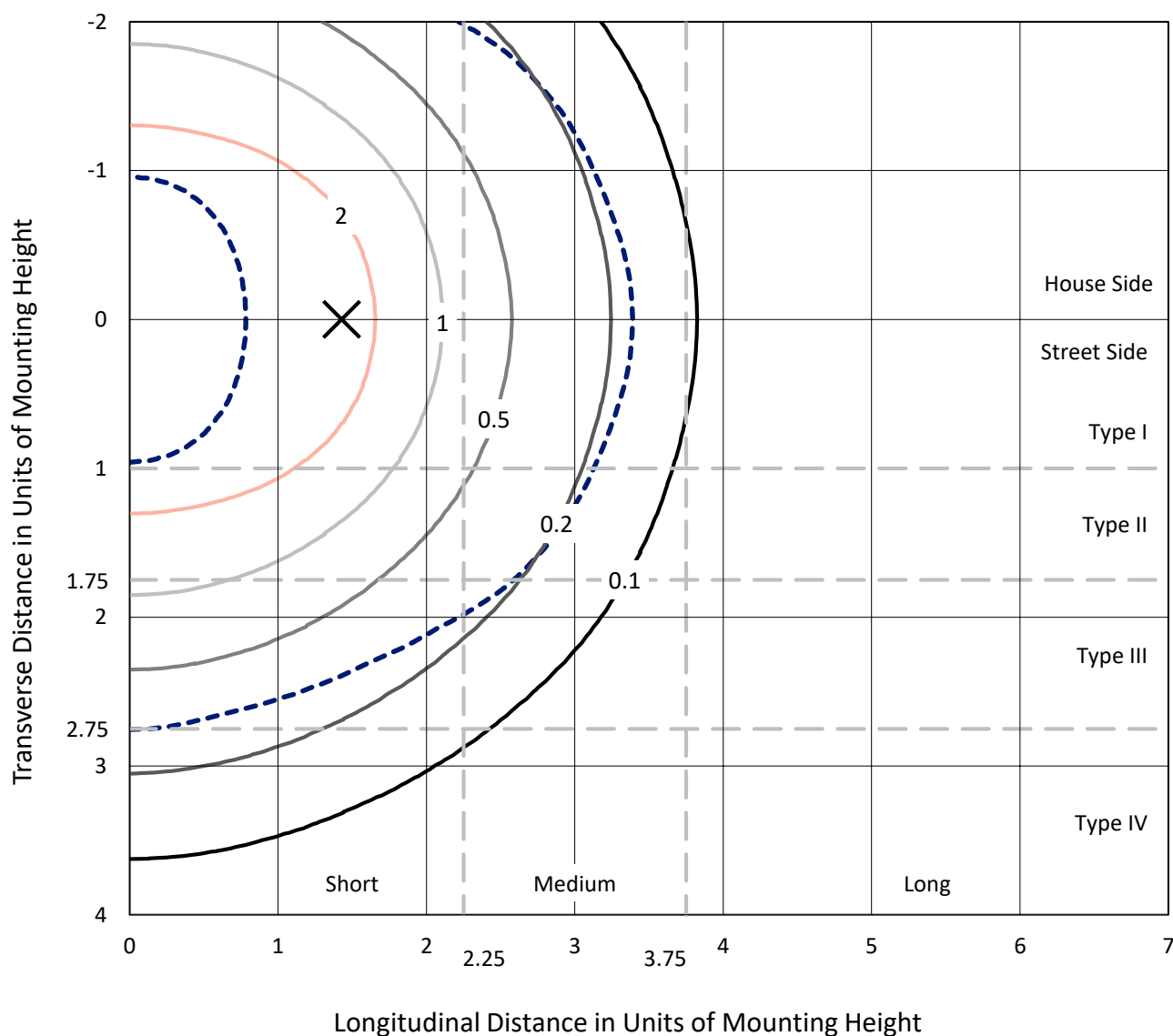
REPORT NUMBER: P198095

CATALOG NUMBER: TT-C3-LED-E1-RW-SG-LWR-LW-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

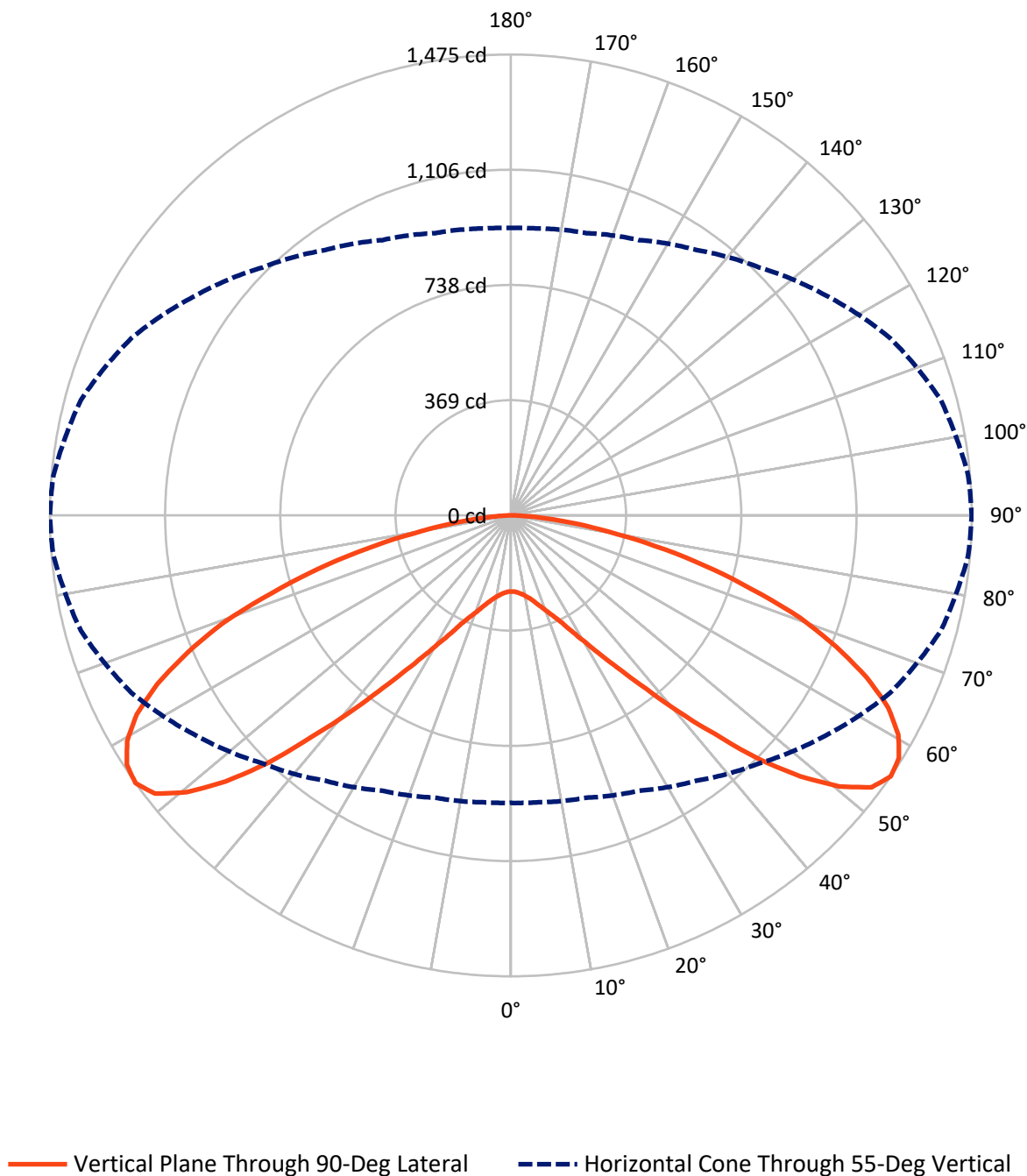


Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type III - Short - Full Cutoff

REPORT NUMBER: P198095

CATALOG NUMBER: TT-C3-LED-E1-RW-SG-LWR-LW-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P198095

CATALOG NUMBER: TT-C3-LED-E1-RW-SG-LWR-LW-7050

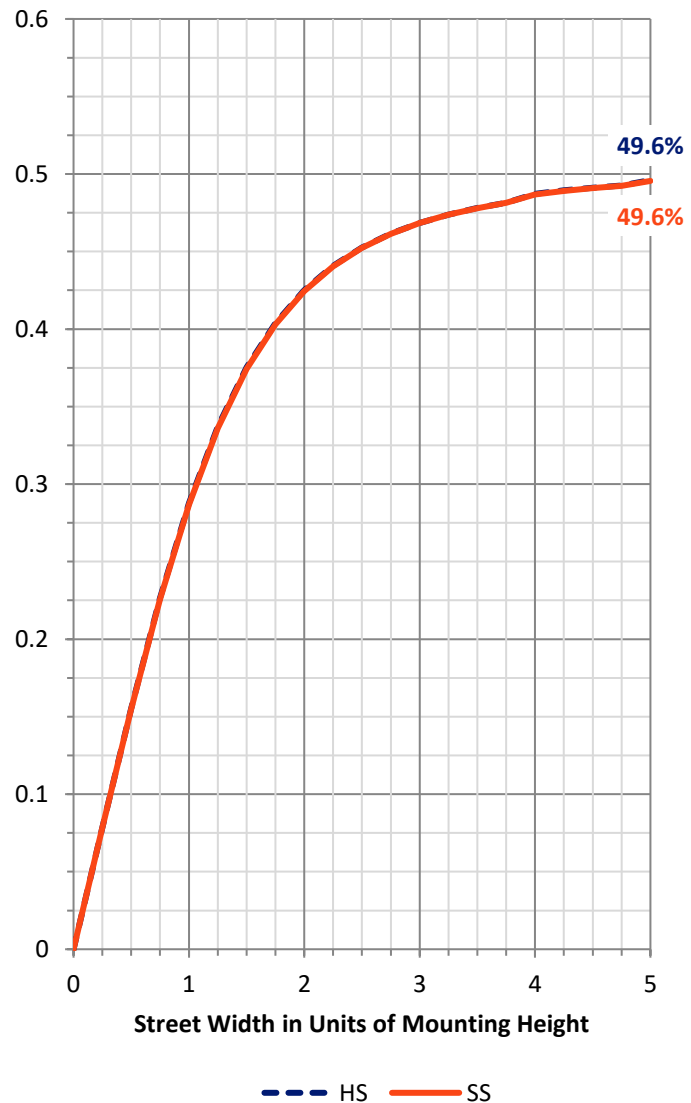
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2049.6	0.0	2049.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2049.6	0.0	2049.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	4099.2	0.0	4099.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.2	0.6
10°-20°	83.7	2.0
20°-30°	182.8	4.5
30°-40°	367.6	9.0
40°-50°	694.7	16.9
50°-60°	1024.7	25.0
60°-70°	1009.3	24.6
70°-80°	587.7	14.3
80°-90°	124.4	3.0
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°	4099.2	100.0
0°-180°	4099.2	100.0

Coefficient of Utilization



REPORT NUMBER: P198095

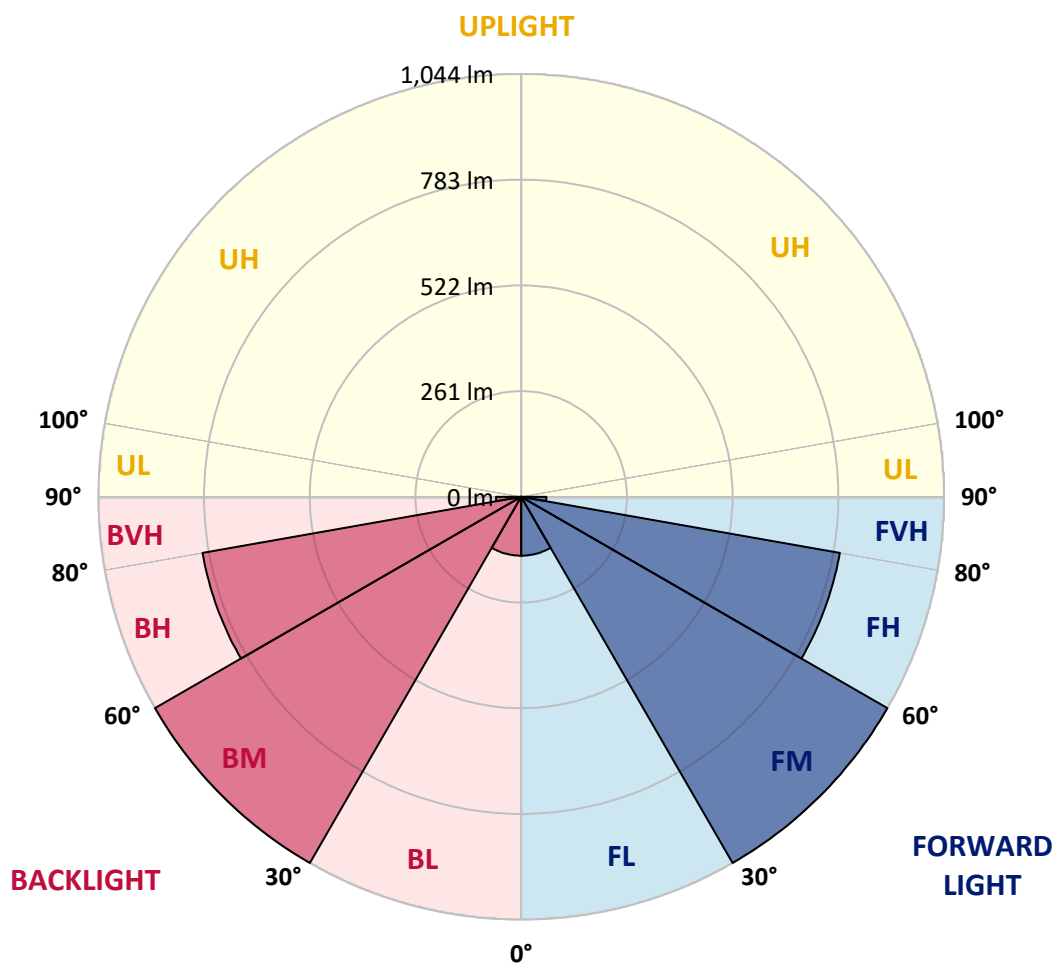
CATALOG NUMBER: TT-C3-LED-E1-RW-SG-LWR-LW-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	145.3	3.5			
FM	(30°-60°)	1043.5	25.5			
FH	(60°-80°)	798.5	19.5			G1/1800
FVH	(80°-90°)	62.2	1.5			G1/100
BL	(0°-30°)	145.3	3.5	B1/500		
BM	(30°-60°)	1043.5	25.5	B2/2500		
BH	(60°-80°)	798.5	19.5	B2/1000		G2/1000
BVH	(80°-90°)	62.2	1.5			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: P198095

CATALOG NUMBER: TT-C3-LED-E1-RW-SG-LWR-LW-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	243.5	243.5	243.5	243.5	243.5	243.5	243.5	243.5	243.5	243.5	243.5
2.5°	245.4	245.4	245.4	245.4	244.4	245.4	244.4	244.4	244.4	244.4	244.4
5°	248.2	249.2	248.2	248.2	248.2	248.2	248.2	248.2	247.3	247.3	248.2
7.5°	254.8	254.8	254.8	254.8	253.9	254.8	253.9	253.9	253.9	253.9	253.9
10°	264.3	264.3	264.3	264.3	263.4	263.4	263.4	262.4	262.4	262.4	262.4
12.5°	275.7	276.6	276.6	275.7	274.7	274.7	273.8	273.8	273.8	273.8	272.8
15°	292.7	291.8	291.8	289.9	289.9	288.0	288.9	288.0	287.1	286.1	287.1
17.5°	309.8	310.7	310.7	308.8	307.9	306.9	305.1	305.1	304.1	305.1	305.1
20°	336.3	336.3	334.4	332.5	329.7	328.7	326.8	326.8	324.9	326.8	326.8
22.5°	362.8	362.8	360.9	360.0	356.2	353.4	352.4	351.5	350.5	352.4	350.5
25°	396.0	396.0	394.1	390.3	386.5	385.6	382.7	382.7	383.7	384.6	380.8
27.5°	430.1	431.0	429.2	426.3	422.5	418.7	418.7	419.7	420.6	424.4	423.5
30°	471.8	470.8	468.0	464.2	462.3	459.5	460.4	464.2	468.0	471.8	471.8
32.5°	514.4	513.5	512.5	508.7	507.8	506.8	511.6	519.2	526.7	529.6	534.3
35°	559.9	559.9	558.9	556.1	558.0	562.7	570.3	584.5	595.9	609.2	609.2
37.5°	610.1	608.2	609.2	609.2	613.9	622.4	640.4	667.9	691.6	704.8	704.8
40°	662.2	659.4	660.3	665.0	673.6	694.4	725.7	763.6	801.5	818.5	824.2
42.5°	712.4	709.6	713.4	718.1	738.9	771.2	817.6	875.4	929.4	955.9	954.9
45°	758.8	760.7	765.5	776.8	807.2	854.5	920.8	998.5	1068.6	1099.9	1111.3
47.5°	805.3	806.2	812.8	832.7	875.4	935.0	1015.6	1118.8	1196.5	1233.5	1247.7
50°	848.8	850.7	862.1	890.5	940.7	1012.7	1112.2	1222.1	1307.4	1350.9	1363.3
52.5°	887.7	889.6	902.8	937.9	997.6	1080.9	1185.1	1297.9	1387.9	1438.1	1445.7
55°	919.9	921.8	935.0	972.0	1036.4	1122.6	1228.7	1340.5	1424.8	1469.4	1475.0
57.5°	938.8	939.8	954.0	991.9	1055.4	1135.9	1238.2	1346.2	1420.1	1459.9	1464.6
60°	939.8	941.7	954.9	989.0	1047.8	1121.7	1219.3	1315.9	1383.1	1419.1	1424.8
62.5°	922.7	923.7	935.0	961.6	1011.8	1076.2	1166.2	1253.4	1314.0	1349.0	1355.7
65°	883.9	883.9	889.6	909.5	948.3	1003.3	1080.0	1160.5	1216.4	1248.6	1252.4
67.5°	819.5	819.5	820.4	833.7	860.2	903.8	969.2	1036.4	1086.6	1118.8	1123.6
70°	737.0	736.1	728.5	737.0	754.1	791.0	848.8	900.0	940.7	966.3	983.4
72.5°	632.8	629.0	623.4	621.5	638.5	670.7	718.1	753.2	775.9	803.4	805.3
75°	511.6	509.7	502.1	502.1	519.2	544.7	582.6	606.3	617.7	635.7	639.5
77.5°	381.8	380.8	383.7	384.6	394.1	421.6	443.4	460.4	457.6	468.9	472.7
80°	267.2	269.1	269.1	268.1	277.6	288.0	311.7	316.4	312.6	316.4	316.4
82.5°	169.6	168.6	166.7	169.6	177.2	185.7	195.2	196.1	198.9	196.1	198.0
85°	85.3	84.3	86.2	87.2	90.9	95.7	104.2	106.1	101.4	101.4	99.5
87.5°	29.4	31.3	29.4	30.3	30.3	35.1	34.1	34.1	34.1	34.1	36.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)