

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: P198096

Luminaire Tested: **TT-C3-LED-E1-RW-SG-LWR-LW-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198096
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-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND LumaWatt WIRELESS
SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4006.2 lumens
Efficiency: N/A
Efficacy: 89.0 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



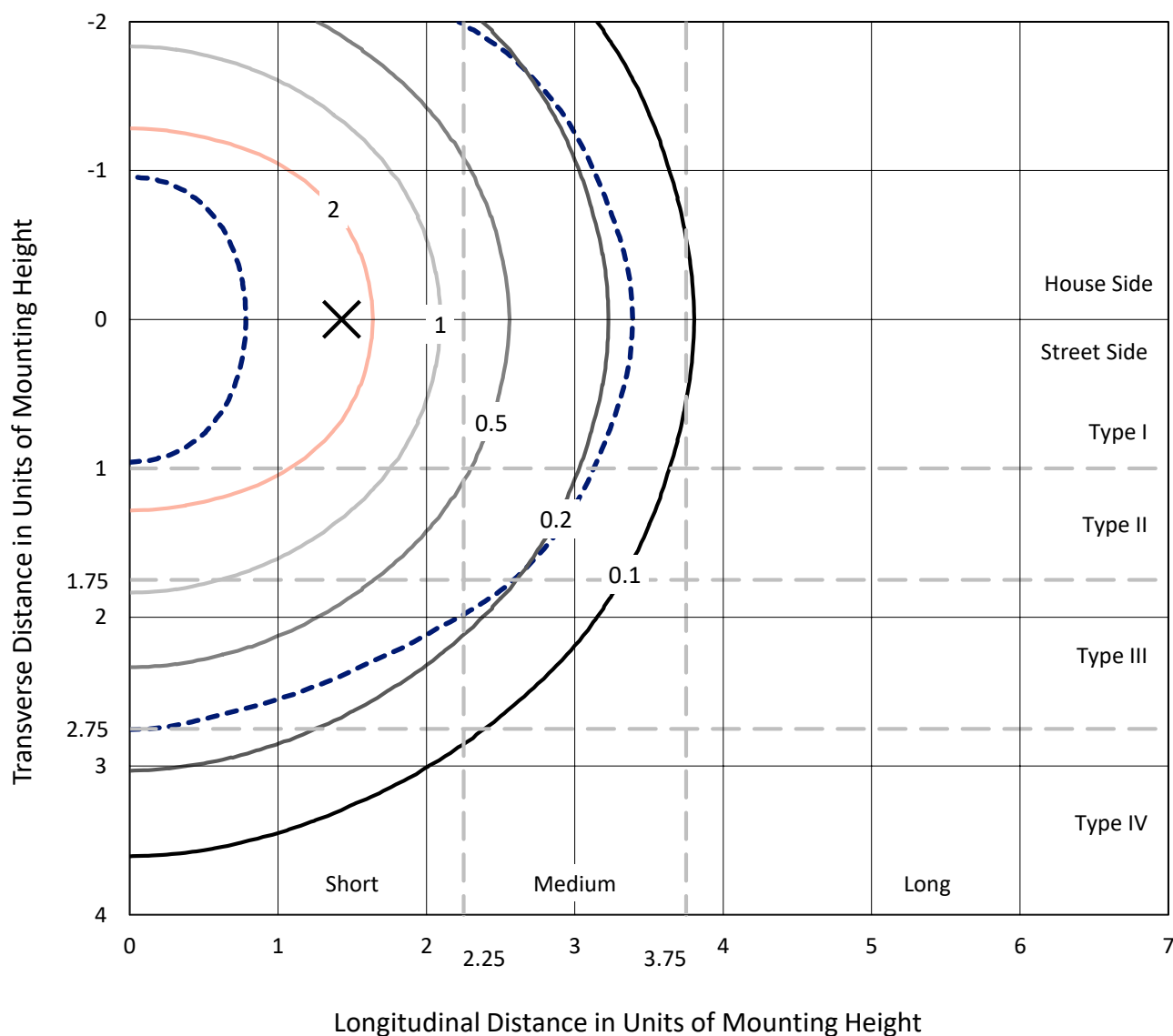
REPORT NUMBER: P198096

CATALOG NUMBER: TT-C3-LED-E1-RW-SG-LWR-LW-7060

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

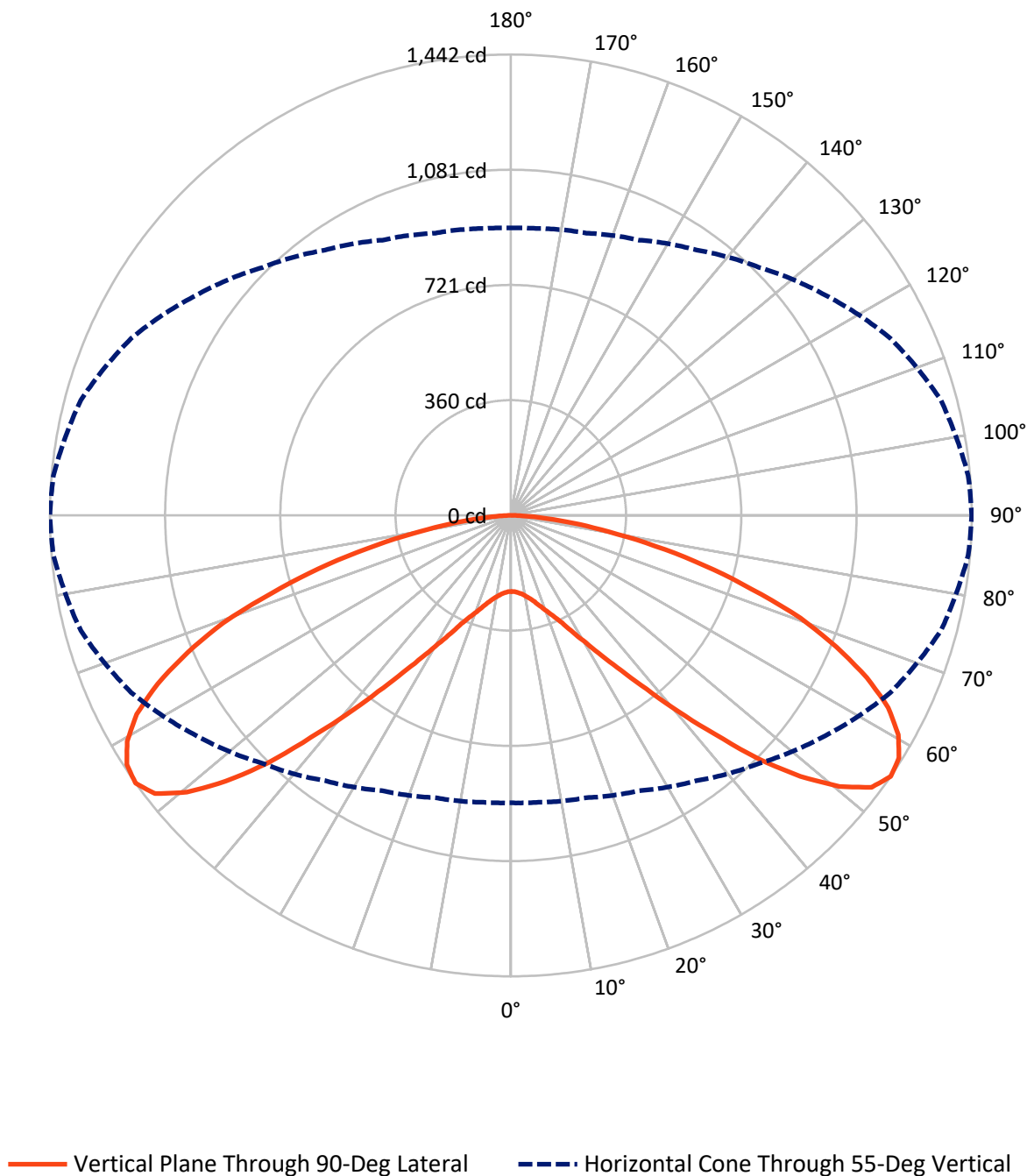


Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Short - Full Cutoff

REPORT NUMBER: P198096

CATALOG NUMBER: TT-C3-LED-E1-RW-SG-LWR-LW-7060

Luminous Intensity Polar Plot



REPORT NUMBER: P198096

CATALOG NUMBER: TT-C3-LED-E1-RW-SG-LWR-LW-7060

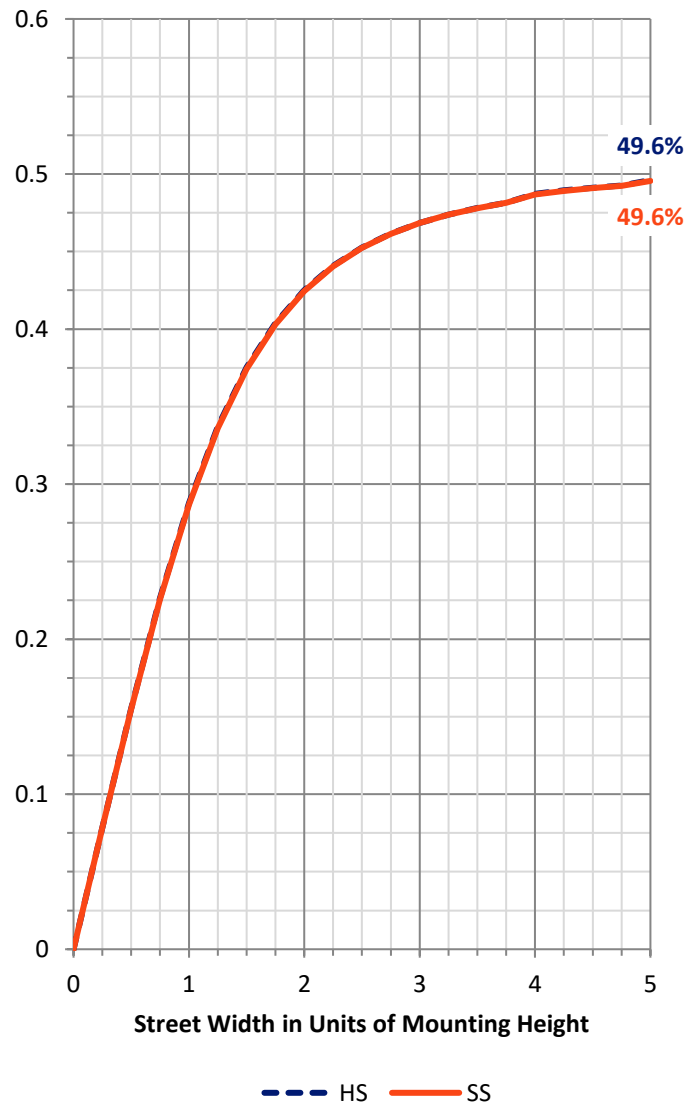
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2003.1	0.0	2003.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2003.1	0.0	2003.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	4006.2	0.0	4006.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.6	0.6
10°-20°	81.8	2.0
20°-30°	178.6	4.5
30°-40°	359.2	9.0
40°-50°	679.0	16.9
50°-60°	1001.5	25.0
60°-70°	986.5	24.6
70°-80°	574.4	14.3
80°-90°	121.6	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°	4006.2	100.0
0°-180°	4006.2	100.0

Coefficient of Utilization



REPORT NUMBER: P198096

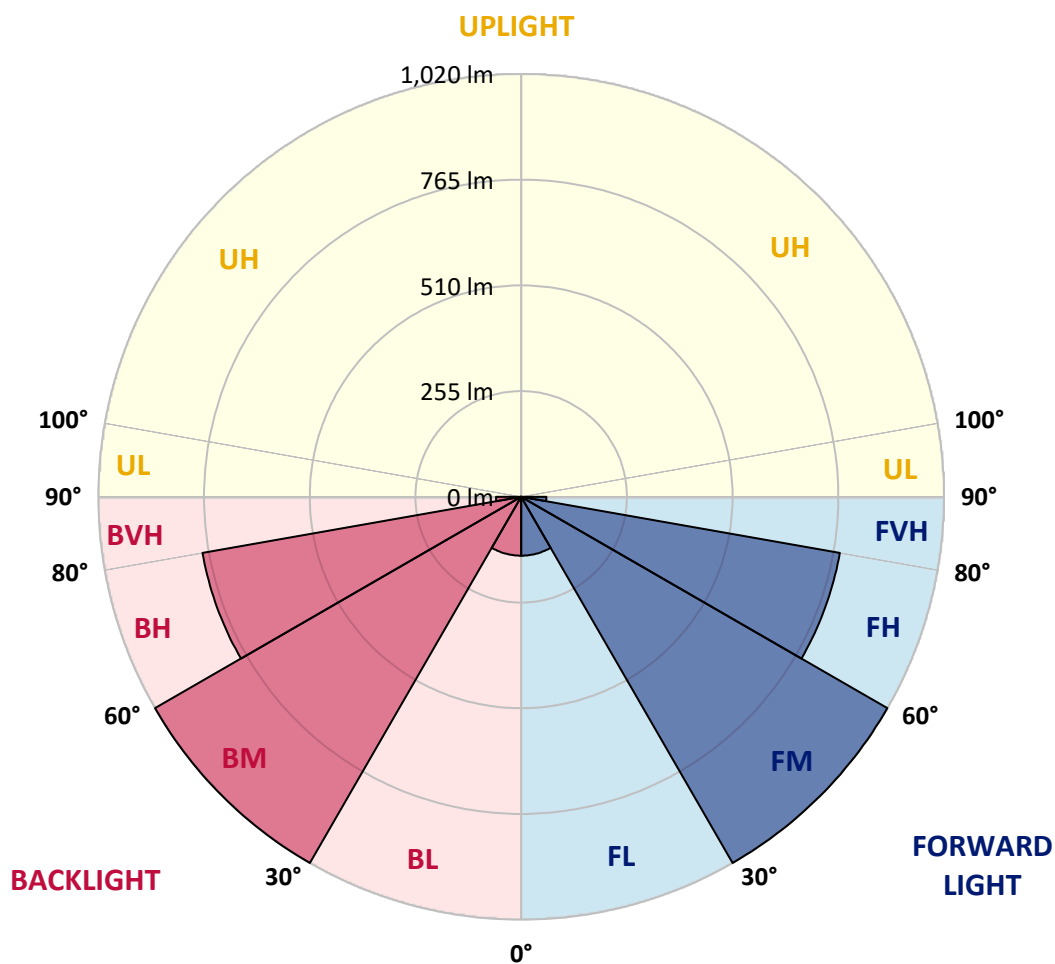
CATALOG NUMBER: TT-C3-LED-E1-RW-SG-LWR-LW-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	142.0	3.5			
FM	(30°-60°)	1019.8	25.5			
FH	(60°-80°)	780.4	19.5			G1/1800
FVH	(80°-90°)	60.8	1.5			G1/100
BL	(0°-30°)	142.0	3.5	B1/500		
BM	(30°-60°)	1019.8	25.5	B2/2500		
BH	(60°-80°)	780.4	19.5	B2/1000		G2/1000
BVH	(80°-90°)	60.8	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: P198096

CATALOG NUMBER: TT-C3-LED-E1-RW-SG-LWR-LW-7060

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	237.9	237.9	237.9	237.9	237.9	237.9	237.9	237.9	237.9	237.9	237.9
2.5°	239.8	239.8	239.8	239.8	238.9	239.8	238.9	238.9	238.9	238.9	238.9
5°	242.6	243.5	242.6	242.6	242.6	242.6	242.6	242.6	241.7	241.7	242.6
7.5°	249.1	249.1	249.1	249.1	248.1	249.1	248.1	248.1	248.1	248.1	248.1
10°	258.3	258.3	258.3	258.3	257.4	257.4	257.4	256.5	256.5	256.5	256.5
12.5°	269.4	270.4	270.4	269.4	268.5	268.5	267.6	267.6	267.6	267.6	266.7
15°	286.1	285.2	285.2	283.3	283.3	281.5	282.4	281.5	280.5	279.6	280.5
17.5°	302.8	303.7	303.7	301.8	300.9	300.0	298.1	298.1	297.2	298.1	298.1
20°	328.7	328.7	326.8	325.0	322.2	321.3	319.4	319.4	317.6	319.4	319.4
22.5°	354.6	354.6	352.8	351.8	348.1	345.4	344.4	343.5	342.6	344.4	342.6
25°	387.0	387.0	385.2	381.5	377.8	376.8	374.1	374.1	375.0	375.9	372.2
27.5°	420.3	421.3	419.4	416.6	412.9	409.2	409.2	410.2	411.1	414.8	413.9
30°	461.1	460.2	457.4	453.7	451.8	449.0	450.0	453.7	457.4	461.1	461.1
32.5°	502.8	501.8	500.9	497.2	496.3	495.3	500.0	507.4	514.8	517.6	522.2
35°	547.2	547.2	546.3	543.5	545.3	550.0	557.4	571.3	582.4	595.3	595.3
37.5°	596.3	594.4	595.3	595.3	600.0	608.3	625.9	652.7	675.9	688.9	688.9
40°	647.2	644.4	645.3	650.0	658.3	678.7	709.2	746.3	783.3	800.0	805.5
42.5°	696.3	693.5	697.2	701.8	722.2	753.7	799.0	855.5	908.3	934.2	933.3
45°	741.6	743.5	748.1	759.2	788.8	835.1	900.0	975.9	1044.4	1074.9	1086.1
47.5°	787.0	787.9	794.4	813.8	855.5	913.8	992.5	1093.5	1169.4	1205.5	1219.4
50°	829.6	831.4	842.5	870.3	919.4	989.8	1087.0	1194.4	1277.7	1320.3	1332.3
52.5°	867.5	869.4	882.4	916.6	974.9	1056.4	1158.3	1268.4	1356.4	1405.5	1412.9
55°	899.0	900.9	913.8	949.9	1012.9	1097.2	1200.9	1310.1	1392.5	1436.0	1441.6
57.5°	917.5	918.5	932.4	969.4	1031.4	1110.1	1210.1	1315.7	1387.9	1426.8	1431.4
60°	918.5	920.3	933.3	966.6	1024.0	1096.2	1191.6	1286.0	1351.8	1387.0	1392.5
62.5°	901.8	902.7	913.8	939.8	988.8	1051.8	1139.8	1224.9	1284.2	1318.4	1324.9
65°	863.8	863.8	869.4	888.8	926.8	980.5	1055.5	1134.2	1188.8	1220.3	1224.0
67.5°	800.9	800.9	801.8	814.8	840.7	883.3	947.2	1012.9	1062.0	1093.5	1098.1
70°	720.3	719.4	712.0	720.3	737.0	773.1	829.6	879.6	919.4	944.4	961.1
72.5°	618.5	614.8	609.2	607.4	624.0	655.5	701.8	736.1	758.3	785.1	787.0
75°	500.0	498.1	490.7	490.7	507.4	532.4	569.4	592.6	603.7	621.3	625.0
77.5°	373.1	372.2	375.0	375.9	385.2	412.0	433.3	450.0	447.2	458.3	462.0
80°	261.1	262.9	262.9	262.0	271.3	281.5	304.6	309.2	305.5	309.2	309.2
82.5°	165.7	164.8	163.0	165.7	173.1	181.5	190.7	191.7	194.4	191.7	193.5
85°	83.3	82.4	84.3	85.2	88.9	93.5	101.8	103.7	99.1	99.1	97.2
87.5°	28.7	30.6	28.7	29.6	29.6	34.3	33.3	33.3	33.3	33.3	35.2
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)