

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: P198106

Luminaire Tested: **TT-C6-LED-E1-RW-SG-LWR-LW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198106
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-C6-LED-E1-RW-SG-LWR-LW
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND LumaWatt WIRELESS SENSOR
Light Source: (160) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8487.9 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 108
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



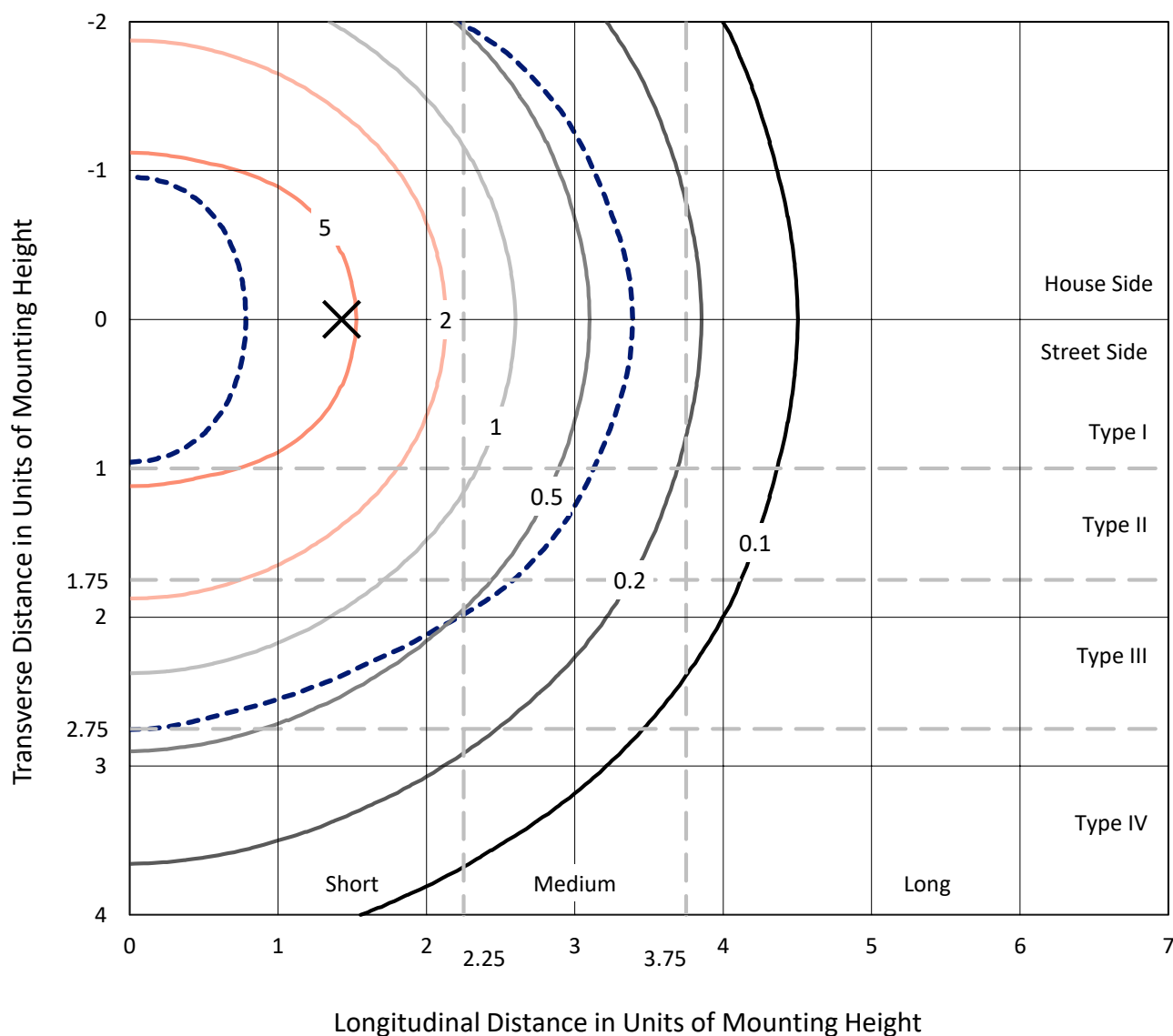
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

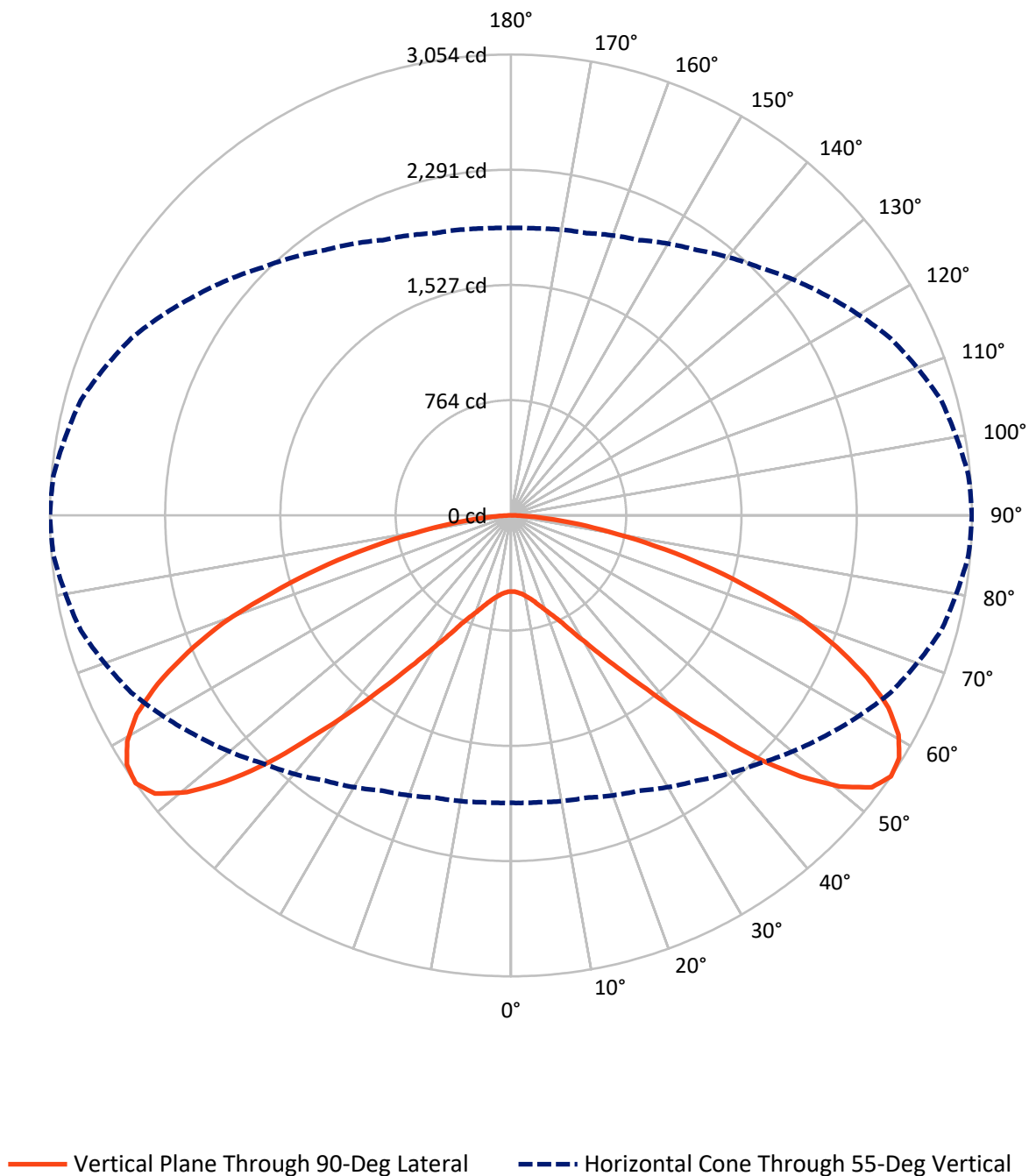


Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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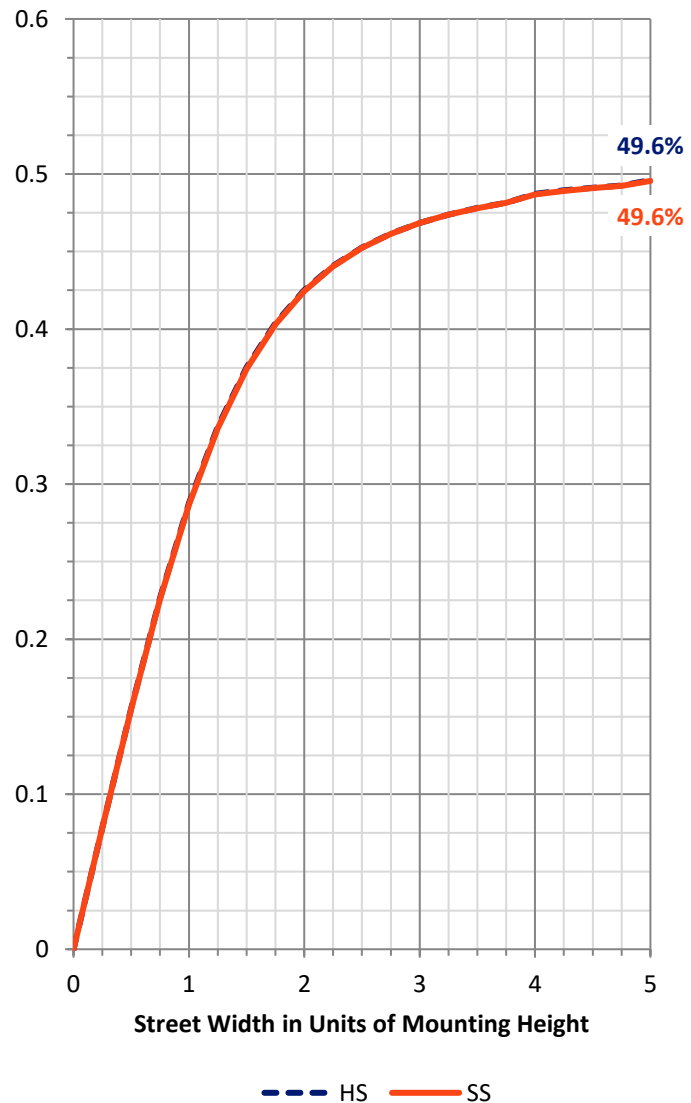
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4244.0	0.0	4244.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4244.0	0.0	4244.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8487.9	0.0	8487.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.0	0.6
10°-20°	173.3	2.0
20°-30°	378.5	4.5
30°-40°	761.1	9.0
40°-50°	1438.5	16.9
50°-60°	2121.8	25.0
60°-70°	2090.0	24.6
70°-80°	1217.0	14.3
80°-90°	257.7	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°	8487.9	100.0
0°-180°	8487.9	100.0

Coefficient of Utilization



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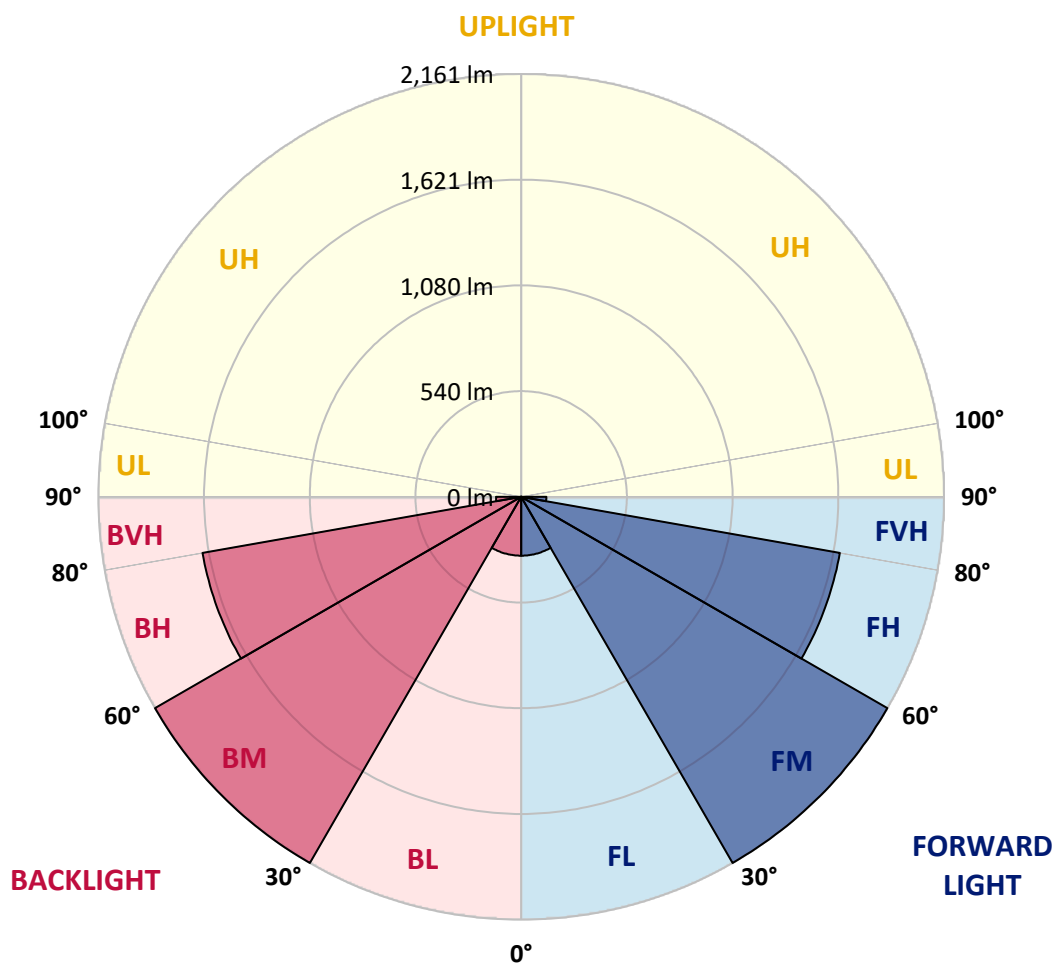
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	300.9	3.5			
FM	(30°-60°)	2160.7	25.5			
FH	(60°-80°)	1653.5	19.5			G1/1800
FVH	(80°-90°)	128.8	1.5			G2/225
BL	(0°-30°)	300.9	3.5	B1/500		
BM	(30°-60°)	2160.7	25.5	B2/2500		
BH	(60°-80°)	1653.5	19.5	B3/2500		G3/2500
BVH	(80°-90°)	128.8	1.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1	504.1
2.5°	508.1	508.1	508.1	508.1	506.1	508.1	506.1	506.1	506.1	506.1	506.1
5°	513.9	515.9	513.9	513.9	513.9	513.9	513.9	513.9	512.0	512.0	513.9
7.5°	527.7	527.7	527.7	527.7	525.7	527.7	525.7	525.7	525.7	525.7	525.7
10°	547.3	547.3	547.3	547.3	545.3	545.3	545.3	543.4	543.4	543.4	543.4
12.5°	570.8	572.8	572.8	570.8	568.9	568.9	566.9	566.9	566.9	566.9	565.0
15°	606.1	604.2	604.2	600.3	600.3	596.3	598.3	596.3	594.4	592.4	594.4
17.5°	641.5	643.4	643.4	639.5	637.5	635.6	631.6	631.6	629.7	631.6	631.6
20°	696.4	696.4	692.5	688.5	682.6	680.7	676.8	676.8	672.8	676.8	676.8
22.5°	751.3	751.3	747.4	745.4	737.6	731.7	729.7	727.8	725.8	729.7	725.8
25°	820.0	820.0	816.0	808.2	800.3	798.4	792.5	792.5	794.5	796.4	788.6
27.5°	890.6	892.5	888.6	882.7	874.9	867.0	867.0	869.0	871.0	878.8	876.9
30°	976.9	974.9	969.0	961.2	957.3	951.4	953.4	961.2	969.0	976.9	976.9
32.5°	1065.2	1063.2	1061.2	1053.4	1051.4	1049.5	1059.3	1075.0	1090.7	1096.6	1106.4
35°	1159.3	1159.3	1157.4	1151.5	1155.4	1165.2	1180.9	1210.3	1233.9	1261.3	1261.3
37.5°	1263.3	1259.4	1261.3	1261.3	1271.1	1288.8	1326.1	1383.0	1432.0	1459.5	1459.5
40°	1371.2	1365.3	1367.3	1377.1	1394.7	1437.9	1502.6	1581.1	1659.5	1694.9	1706.6
42.5°	1475.1	1469.3	1477.1	1486.9	1530.1	1596.8	1692.9	1812.6	1924.4	1979.3	1977.3
45°	1571.3	1575.2	1585.0	1608.5	1671.3	1769.4	1906.7	2067.6	2212.7	2277.5	2301.0
47.5°	1667.4	1669.4	1683.1	1724.3	1812.6	1936.1	2102.9	2316.7	2477.5	2554.0	2583.5
50°	1757.6	1761.5	1785.1	1843.9	1947.9	2097.0	2303.0	2530.5	2707.1	2797.3	2822.8
52.5°	1838.1	1842.0	1869.4	1942.0	2065.6	2238.2	2454.0	2687.4	2873.8	2977.8	2993.5
55°	1904.7	1908.7	1936.1	2012.6	2146.0	2324.5	2544.2	2775.7	2950.3	3042.5	3054.3
57.5°	1944.0	1945.9	1975.4	2053.8	2185.3	2352.0	2563.9	2787.5	2940.5	3022.9	3032.7
60°	1945.9	1949.9	1977.3	2047.9	2169.6	2322.6	2524.6	2724.7	2864.0	2938.5	2950.3
62.5°	1910.6	1912.6	1936.1	1991.1	2095.0	2228.4	2414.8	2595.2	2720.8	2793.4	2807.1
65°	1830.2	1830.2	1842.0	1883.2	1963.6	2077.4	2236.3	2403.0	2518.7	2585.4	2593.3
67.5°	1696.8	1696.8	1698.8	1726.2	1781.2	1871.4	2006.8	2146.0	2250.0	2316.7	2326.5
70°	1526.2	1524.2	1508.5	1526.2	1561.5	1638.0	1757.6	1863.6	1947.9	2000.9	2036.2
72.5°	1310.4	1302.5	1290.8	1286.8	1322.1	1388.8	1486.9	1559.5	1606.6	1663.5	1667.4
75°	1059.3	1055.4	1039.7	1039.7	1075.0	1127.9	1206.4	1255.4	1279.0	1316.3	1324.1
77.5°	790.5	788.6	794.5	796.4	816.0	872.9	918.0	953.4	947.5	971.0	978.9
80°	553.2	557.1	557.1	555.1	574.8	596.3	645.4	655.2	647.3	655.2	655.2
82.5°	351.1	349.2	345.2	351.1	366.8	384.5	404.1	406.1	411.9	406.1	410.0
85°	176.5	174.6	178.5	180.5	188.3	198.1	215.8	219.7	209.9	209.9	206.0
87.5°	60.8	64.7	60.8	62.8	62.8	72.6	70.6	70.6	70.6	70.6	74.5
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)