

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: P198105

Luminaire Tested: **TT-C6-LED-E1-RW-SG-LWR-LW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198105
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-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND LumaWatt WIRELESS
SENSOR
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6401.4 lumens
Efficiency: N/A
Efficacy: 59.3 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

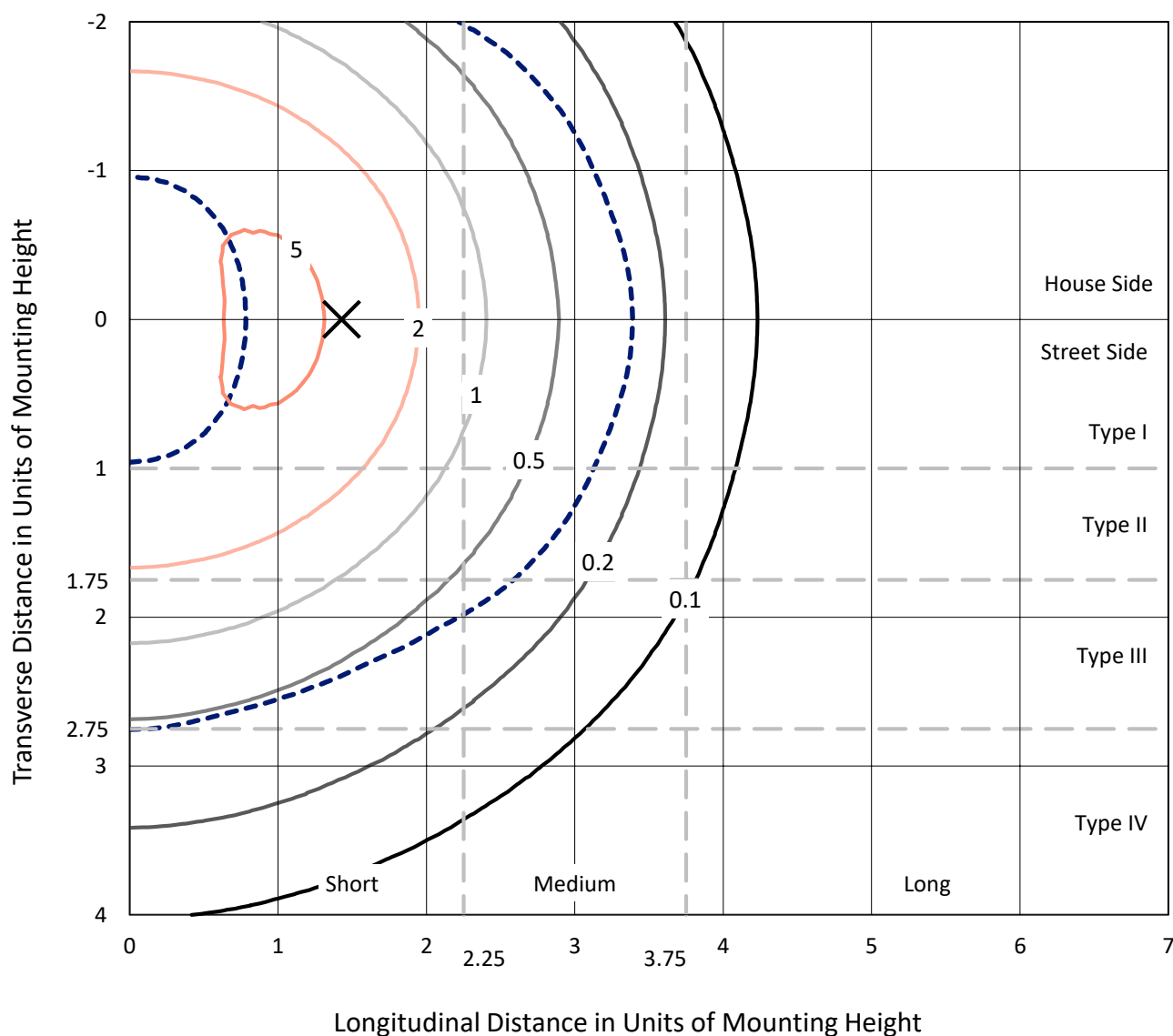


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

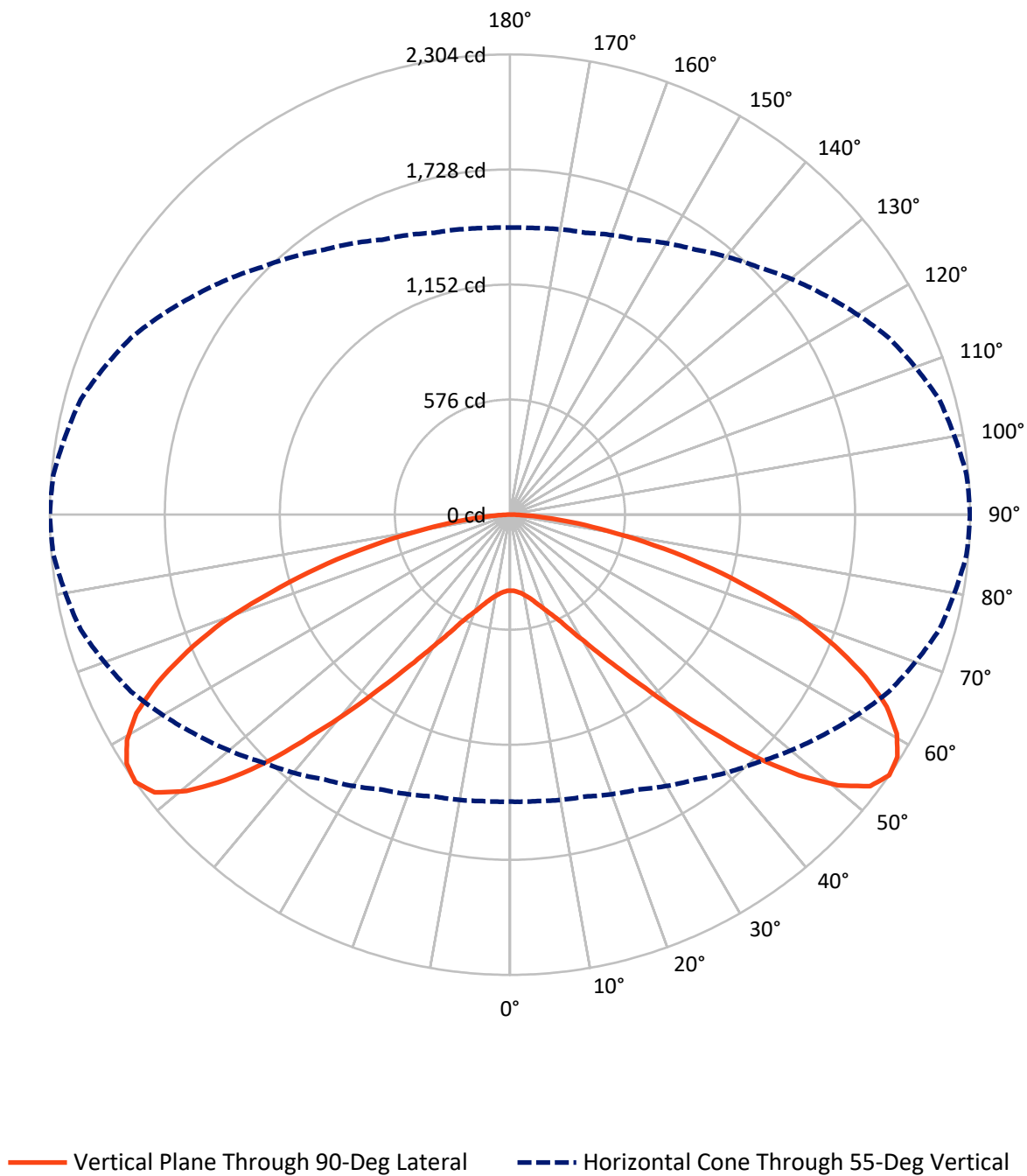


Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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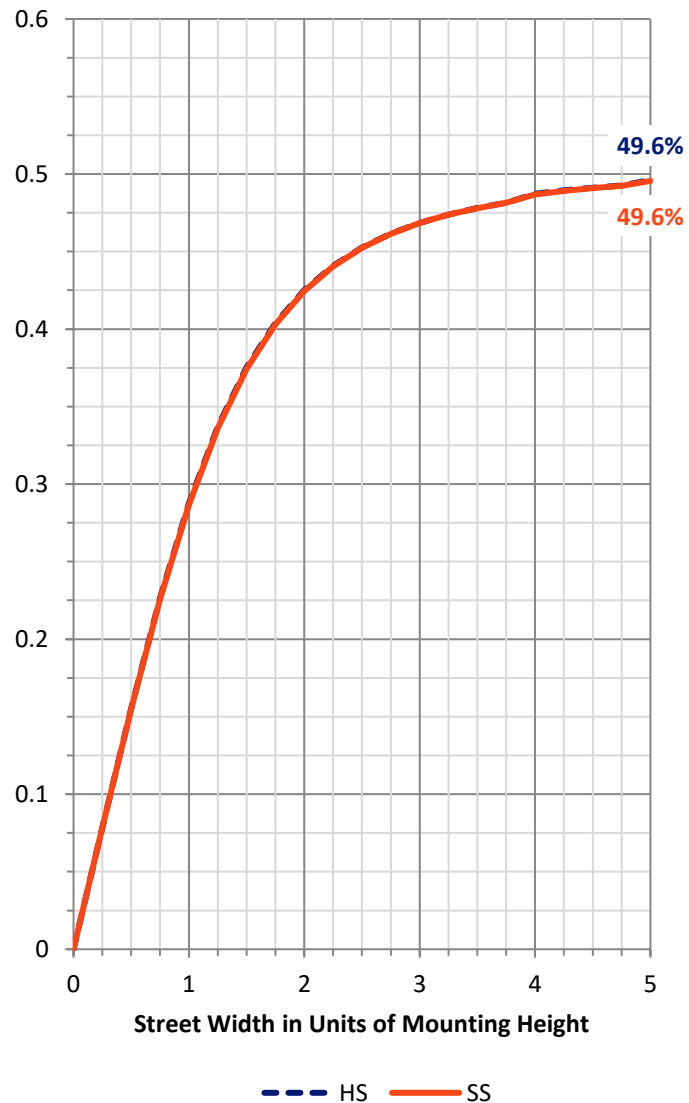
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3200.7	0.0	3200.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3200.7	0.0	3200.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	6401.4	0.0	6401.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.7	0.6
10°-20°	130.7	2.0
20°-30°	285.5	4.5
30°-40°	574.0	9.0
40°-50°	1084.9	16.9
50°-60°	1600.3	25.0
60°-70°	1576.2	24.6
70°-80°	917.8	14.3
80°-90°	194.3	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°	6401.4	100.0
0°-180°	6401.4	100.0

Coefficient of Utilization



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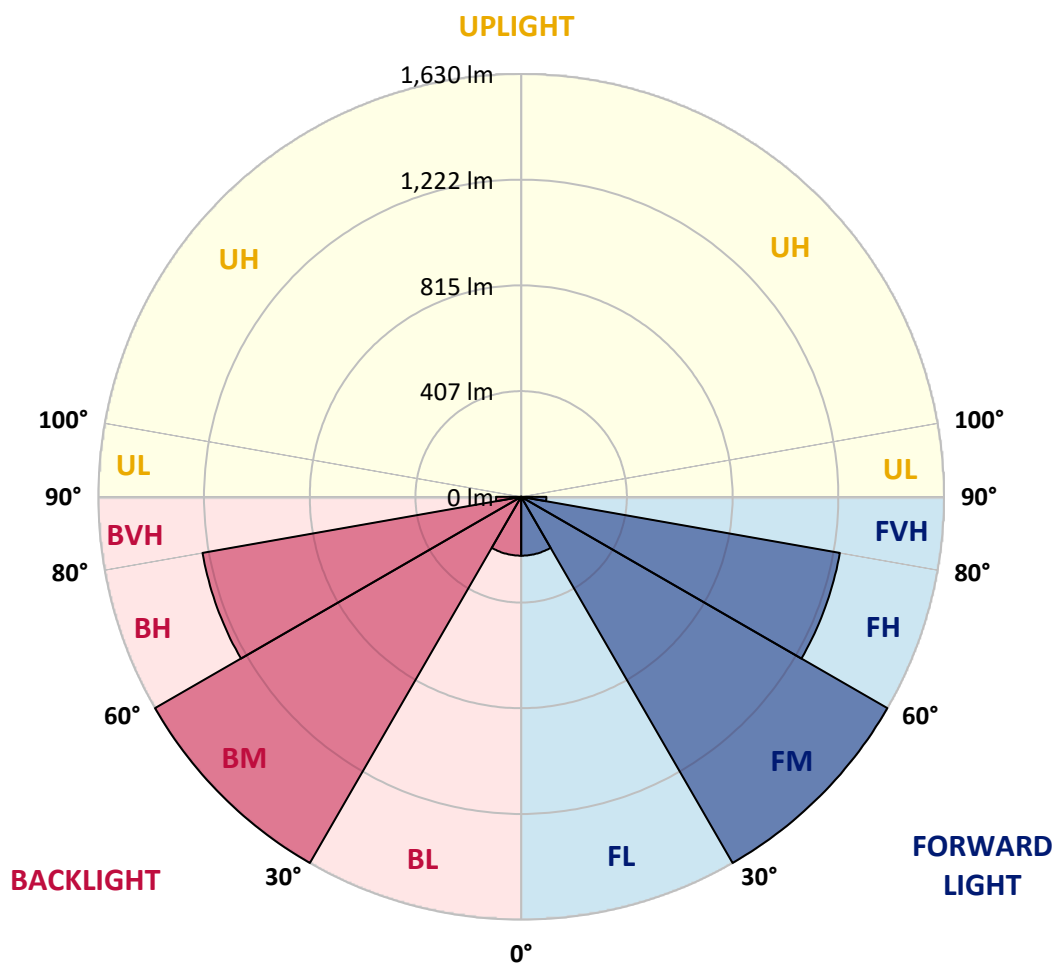
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	226.9	3.5			
FM	(30°-60°)	1629.6	25.5			
FH	(60°-80°)	1247.0	19.5			G1/1800
FVH	(80°-90°)	97.2	1.5			G1/100
BL	(0°-30°)	226.9	3.5	B1/500		
BM	(30°-60°)	1629.6	25.5	B2/2500		
BH	(60°-80°)	1247.0	19.5	B3/2500		G3/2500
BVH	(80°-90°)	97.2	1.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	380.2	380.2	380.2	380.2	380.2	380.2	380.2	380.2	380.2	380.2	380.2
2.5°	383.2	383.2	383.2	383.2	381.7	383.2	381.7	381.7	381.7	381.7	381.7
5°	387.6	389.1	387.6	387.6	387.6	387.6	387.6	387.6	386.1	386.1	387.6
7.5°	398.0	398.0	398.0	398.0	396.5	398.0	396.5	396.5	396.5	396.5	396.5
10°	412.8	412.8	412.8	412.8	411.3	411.3	411.3	409.8	409.8	409.8	409.8
12.5°	430.5	432.0	432.0	430.5	429.0	429.0	427.6	427.6	427.6	427.6	426.1
15°	457.1	455.7	455.7	452.7	452.7	449.7	451.2	449.7	448.3	446.8	448.3
17.5°	483.8	485.3	485.3	482.3	480.8	479.3	476.4	476.4	474.9	476.4	476.4
20°	525.2	525.2	522.2	519.3	514.8	513.4	510.4	510.4	507.4	510.4	510.4
22.5°	566.6	566.6	563.7	562.2	556.3	551.8	550.3	548.9	547.4	550.3	547.4
25°	618.4	618.4	615.4	609.5	603.6	602.1	597.7	597.7	599.2	600.6	594.7
27.5°	671.7	673.1	670.2	665.7	659.8	653.9	653.9	655.4	656.9	662.8	661.3
30°	736.8	735.3	730.8	724.9	722.0	717.5	719.0	724.9	730.8	736.8	736.8
32.5°	803.3	801.8	800.4	794.4	793.0	791.5	798.9	810.7	822.6	827.0	834.4
35°	874.3	874.3	872.9	868.4	871.4	878.8	890.6	912.8	930.6	951.3	951.3
37.5°	952.7	949.8	951.3	951.3	958.7	972.0	1000.1	1043.0	1080.0	1100.7	1100.7
40°	1034.1	1029.7	1031.2	1038.6	1051.9	1084.4	1133.2	1192.4	1251.6	1278.2	1287.1
42.5°	1112.5	1108.1	1114.0	1121.4	1153.9	1204.2	1276.7	1367.0	1451.3	1492.7	1491.3
45°	1185.0	1188.0	1195.4	1213.1	1260.5	1334.4	1438.0	1559.3	1668.8	1717.6	1735.4
47.5°	1257.5	1259.0	1269.3	1300.4	1367.0	1460.2	1585.9	1747.2	1868.5	1926.2	1948.4
50°	1325.6	1328.5	1346.3	1390.7	1469.1	1581.5	1736.8	1908.5	2041.6	2109.7	2128.9
52.5°	1386.2	1389.2	1409.9	1464.6	1557.8	1688.0	1850.8	2026.8	2167.4	2245.8	2257.6
55°	1436.5	1439.5	1460.2	1517.9	1618.5	1753.1	1918.8	2093.4	2225.0	2294.6	2303.5
57.5°	1466.1	1467.6	1489.8	1549.0	1648.1	1773.8	1933.6	2102.3	2217.7	2279.8	2287.2
60°	1467.6	1470.5	1491.3	1544.5	1636.2	1751.6	1904.0	2054.9	2160.0	2216.2	2225.0
62.5°	1441.0	1442.4	1460.2	1501.6	1580.0	1680.6	1821.2	1957.3	2052.0	2106.7	2117.1
65°	1380.3	1380.3	1389.2	1420.2	1480.9	1566.7	1686.5	1812.3	1899.6	1949.9	1955.8
67.5°	1279.7	1279.7	1281.2	1301.9	1343.3	1411.4	1513.4	1618.5	1696.9	1747.2	1754.6
70°	1151.0	1149.5	1137.7	1151.0	1177.6	1235.3	1325.6	1405.5	1469.1	1509.0	1535.6
72.5°	988.3	982.3	973.5	970.5	997.1	1047.4	1121.4	1176.1	1211.6	1254.5	1257.5
75°	798.9	795.9	784.1	784.1	810.7	850.7	909.8	946.8	964.6	992.7	998.6
77.5°	596.2	594.7	599.2	600.6	615.4	658.3	692.4	719.0	714.6	732.3	738.2
80°	417.2	420.2	420.2	418.7	433.5	449.7	486.7	494.1	488.2	494.1	494.1
82.5°	264.8	263.3	260.4	264.8	276.7	290.0	304.8	306.2	310.7	306.2	309.2
85°	133.1	131.7	134.6	136.1	142.0	149.4	162.7	165.7	158.3	158.3	155.3
87.5°	45.9	48.8	45.9	47.3	47.3	54.7	53.3	53.3	53.3	53.3	56.2
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)