

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: P198033

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198033
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34697)
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-CG-LWR-LW-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR 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: 6320.1 lumens
Efficiency: N/A
Efficacy: 58.5 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-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

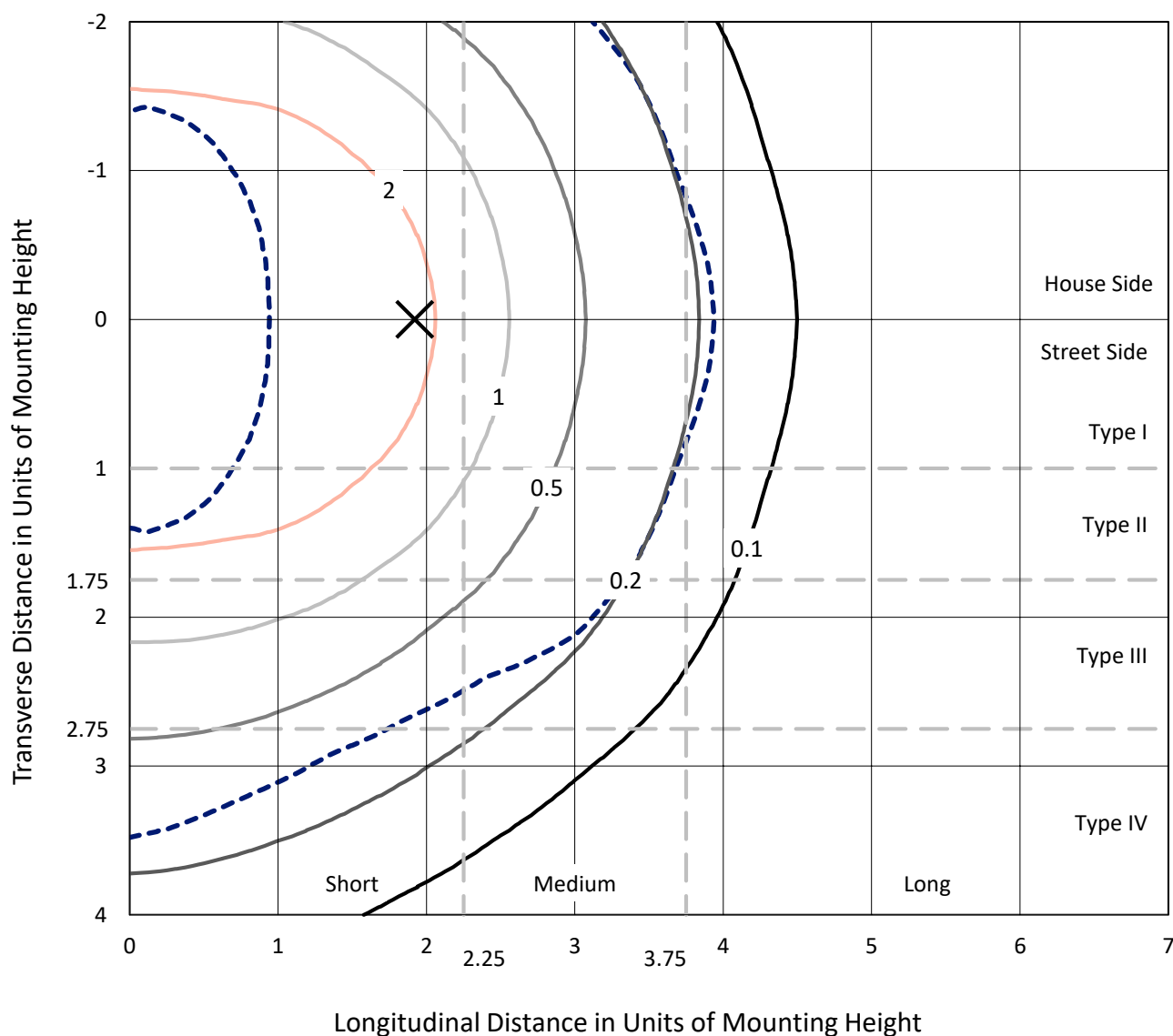


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

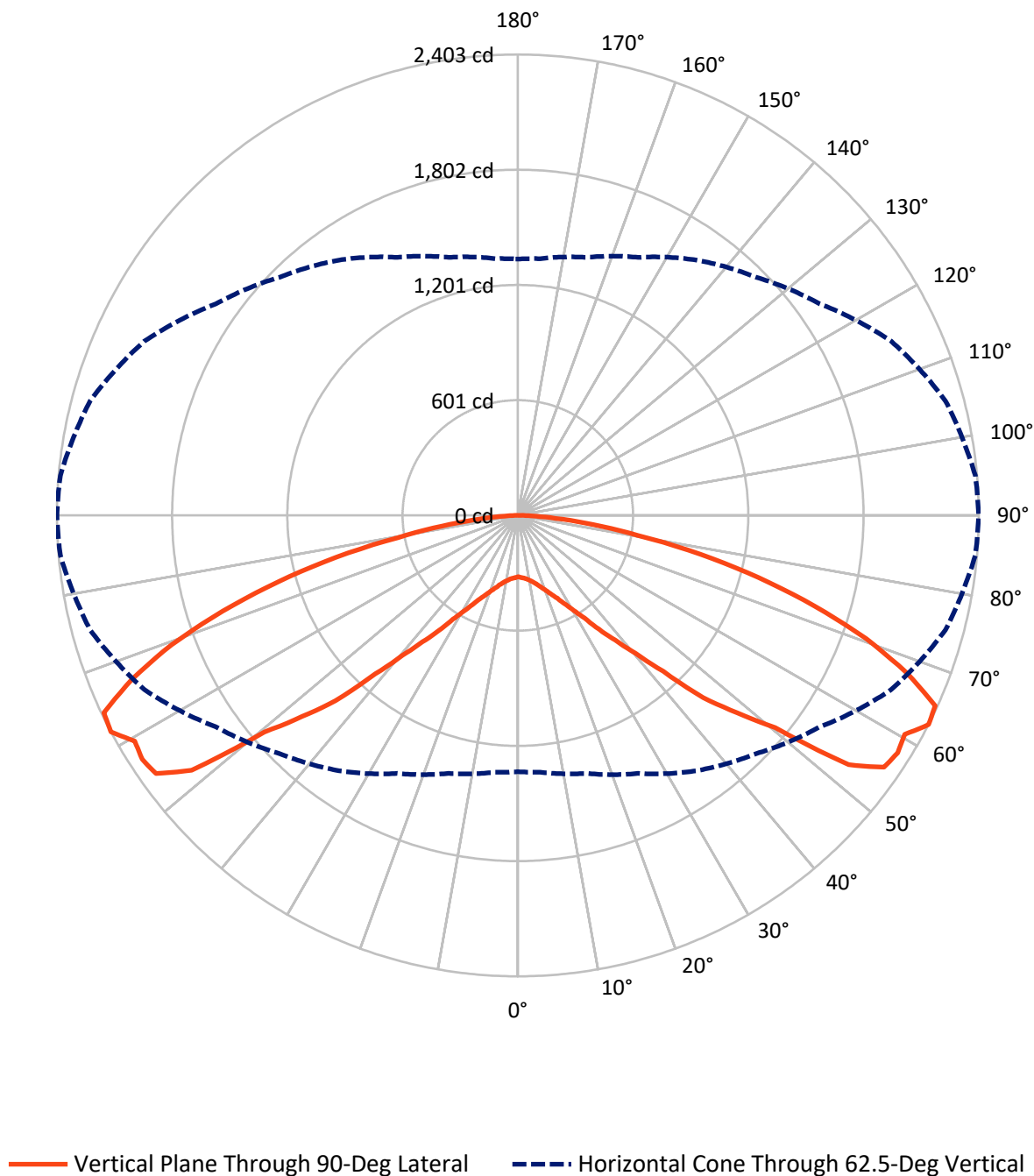


Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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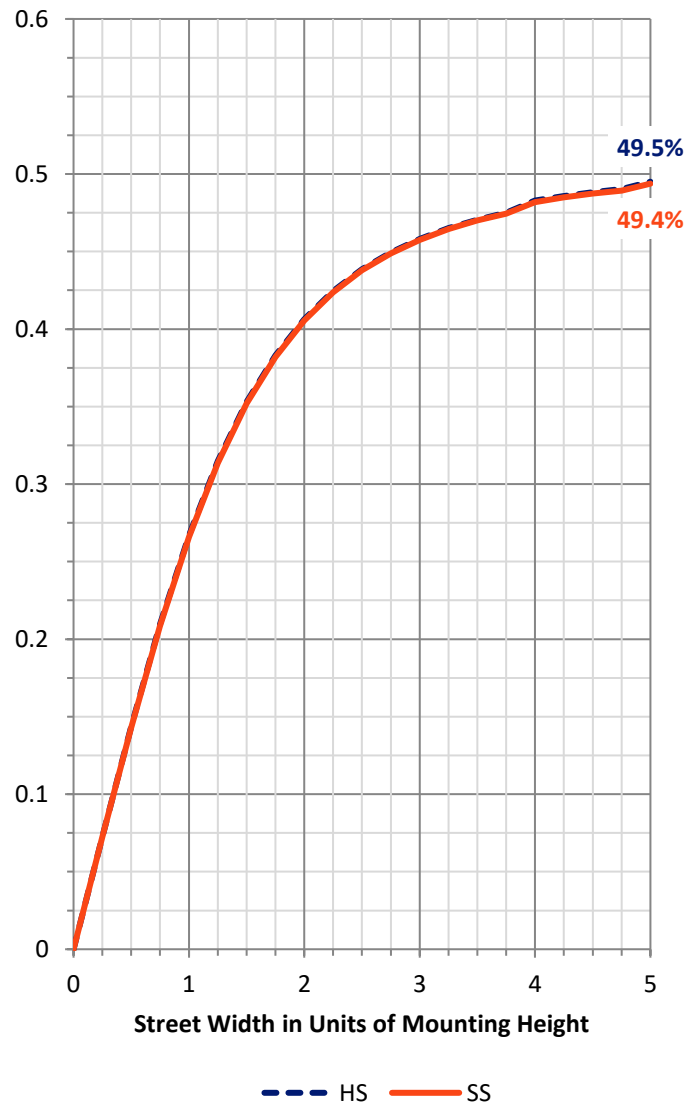
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3160.1	0.0	3160.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3160.1	0.0	3160.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	6320.1	0.0	6320.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.9	0.5
10°-20°	108.8	1.7
20°-30°	232.4	3.7
30°-40°	452.0	7.2
40°-50°	852.3	13.5
50°-60°	1456.4	23.0
60°-70°	1753.8	27.7
70°-80°	1180.2	18.7
80°-90°	252.5	4.0
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°	6320.1	100.0
0°-180°	6320.1	100.0

Coefficient of Utilization



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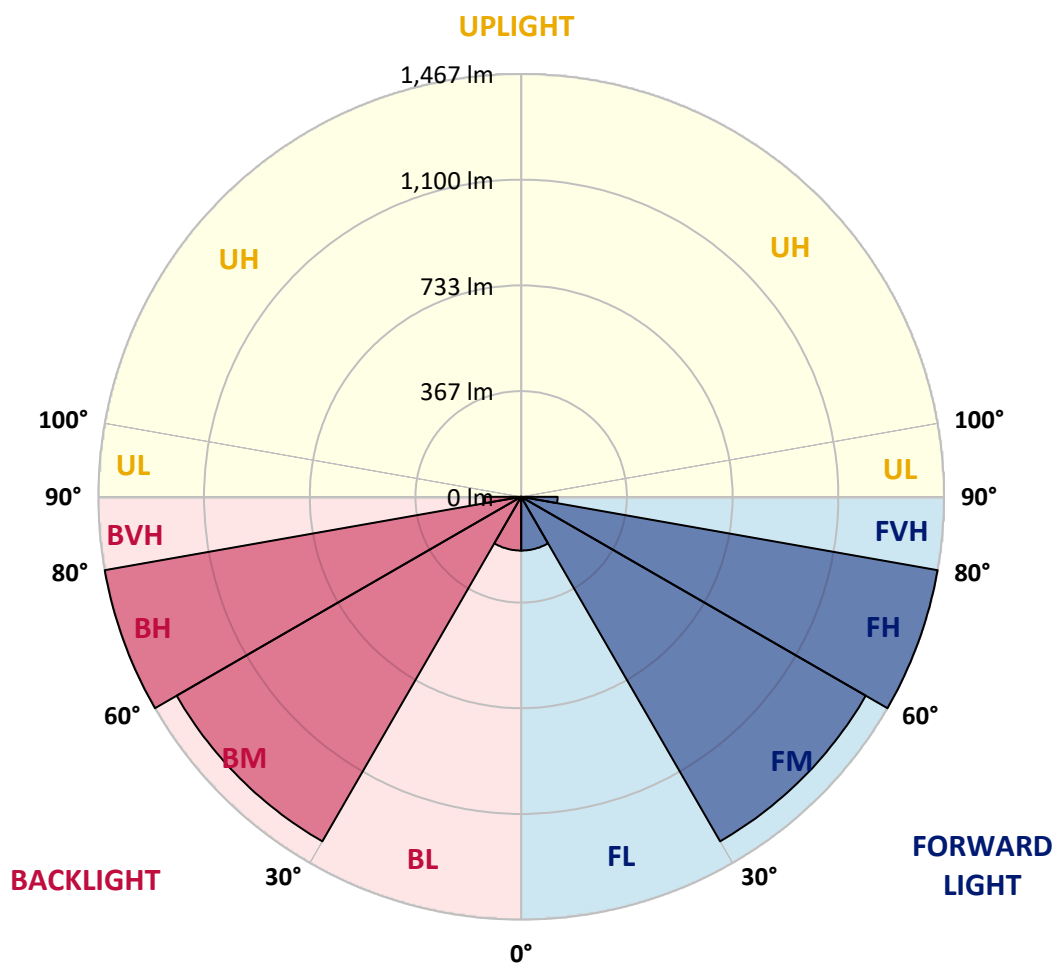
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	186.5	3.0			
FM	(30°-60°)	1380.3	21.8			
FH	(60°-80°)	1467.0	23.2			G1/1800
FVH	(80°-90°)	126.2	2.0			G2/225
BL	(0°-30°)	186.5	3.0	B1/500		
BM	(30°-60°)	1380.3	21.8	B2/2500		
BH	(60°-80°)	1467.0	23.2	B3/2500		G3/2500
BVH	(80°-90°)	126.2	2.0			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	319.6	319.6	319.6	319.6	319.6	319.6	319.6	319.6	319.6	319.6	319.6
2.5°	322.5	322.5	322.5	322.5	322.5	322.5	324.0	324.0	324.0	324.0	324.0
5°	327.0	327.0	328.4	328.4	329.9	329.9	329.9	329.9	328.4	328.4	328.4
7.5°	334.3	334.3	335.8	337.3	337.3	335.8	335.8	334.3	334.3	334.3	334.3
10°	346.2	346.2	347.7	347.7	346.2	346.2	346.2	344.7	344.7	344.7	344.7
12.5°	359.5	361.0	362.5	361.0	359.5	358.0	358.0	356.5	356.5	356.5	356.5
15°	378.7	381.7	380.2	380.2	378.7	375.8	374.3	372.8	372.8	372.8	372.8
17.5°	408.3	408.3	403.9	400.9	398.0	396.5	395.0	393.5	393.5	393.5	393.5
20°	439.4	437.9	433.5	429.0	424.6	423.1	418.7	417.2	418.7	417.2	417.2
22.5°	476.4	474.9	469.0	464.5	458.6	452.7	451.2	446.8	445.3	443.8	445.3
25°	513.4	514.8	510.4	506.0	497.1	491.2	485.3	482.3	479.3	477.9	477.9
27.5°	556.3	559.2	556.3	547.4	538.5	534.1	525.2	522.2	520.8	522.2	522.2
30°	602.1	603.6	599.2	594.7	585.9	575.5	569.6	571.1	571.1	575.5	574.0
32.5°	658.3	656.9	650.9	648.0	639.1	630.2	627.3	628.8	634.7	637.6	637.6
35°	720.5	716.0	710.1	704.2	696.8	690.9	692.4	704.2	722.0	726.4	729.4
37.5°	782.6	775.2	775.2	766.3	760.4	764.9	773.7	795.9	809.2	830.0	825.5
40°	840.3	841.8	838.8	831.4	830.0	844.7	864.0	892.1	926.1	946.8	945.4
42.5°	893.6	906.9	898.0	899.5	906.9	930.6	961.6	1016.4	1084.4	1111.0	1111.0
45°	952.7	969.0	961.6	966.1	986.8	1023.8	1090.3	1198.3	1291.5	1355.1	1355.1
47.5°	1013.4	1028.2	1025.2	1034.1	1071.1	1136.2	1238.3	1372.9	1466.1	1528.2	1537.1
50°	1090.3	1084.4	1085.9	1108.1	1171.7	1266.4	1396.6	1529.7	1683.6	1720.6	1738.3
52.5°	1156.9	1139.2	1149.5	1186.5	1278.2	1389.2	1550.4	1785.7	1998.7	2146.6	2158.5
55°	1211.6	1198.3	1219.0	1270.8	1389.2	1535.6	1745.7	2034.2	2210.3	2300.5	2316.8
57.5°	1259.0	1253.1	1287.1	1353.7	1504.6	1683.6	1896.6	2130.4	2253.2	2322.7	2334.5
60°	1301.9	1306.3	1343.3	1432.1	1594.8	1759.0	1930.6	2127.4	2250.2	2304.9	2316.8
62.5°	1335.9	1343.3	1392.1	1483.9	1624.4	1756.1	1921.8	2148.1	2307.9	2393.7	2402.6
65°	1358.1	1365.5	1420.2	1483.9	1615.5	1742.8	1976.5	2168.8	2287.2	2374.5	2390.7
67.5°	1361.1	1371.4	1404.0	1457.2	1568.2	1680.6	1881.8	2020.9	2115.6	2168.8	2183.6
70°	1343.3	1340.4	1352.2	1374.4	1441.0	1517.9	1688.0	1791.6	1859.6	1914.4	1927.7
72.5°	1275.3	1270.8	1242.7	1217.6	1242.7	1303.4	1449.8	1519.4	1565.2	1609.6	1618.5
75°	1145.1	1124.4	1054.8	1019.3	1011.9	1065.2	1177.6	1222.0	1239.8	1290.1	1296.0
77.5°	915.8	906.9	847.7	785.6	779.7	812.2	898.0	917.2	902.4	957.2	973.5
80°	668.7	656.9	600.6	554.8	542.9	565.1	615.4	619.9	609.5	636.2	636.2
82.5°	427.6	415.7	392.0	358.0	332.9	346.2	384.6	384.6	384.6	392.0	396.5
85°	220.4	216.0	198.2	182.0	173.1	176.1	189.4	190.8	198.2	202.7	196.8
87.5°	62.1	65.1	62.1	54.7	53.3	51.8	57.7	59.2	63.6	66.6	69.5
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)