

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: P198032

Luminaire Tested: **TT-C5-LED-E1-RW-CG-LWR-LW-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198032
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-C5-LED-E1-RW-CG-LWR-LW-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND LumaWatt WIRELESS
SENSOR
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6444.3 lumens
Efficiency: N/A
Efficacy: 83.7 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): 77
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

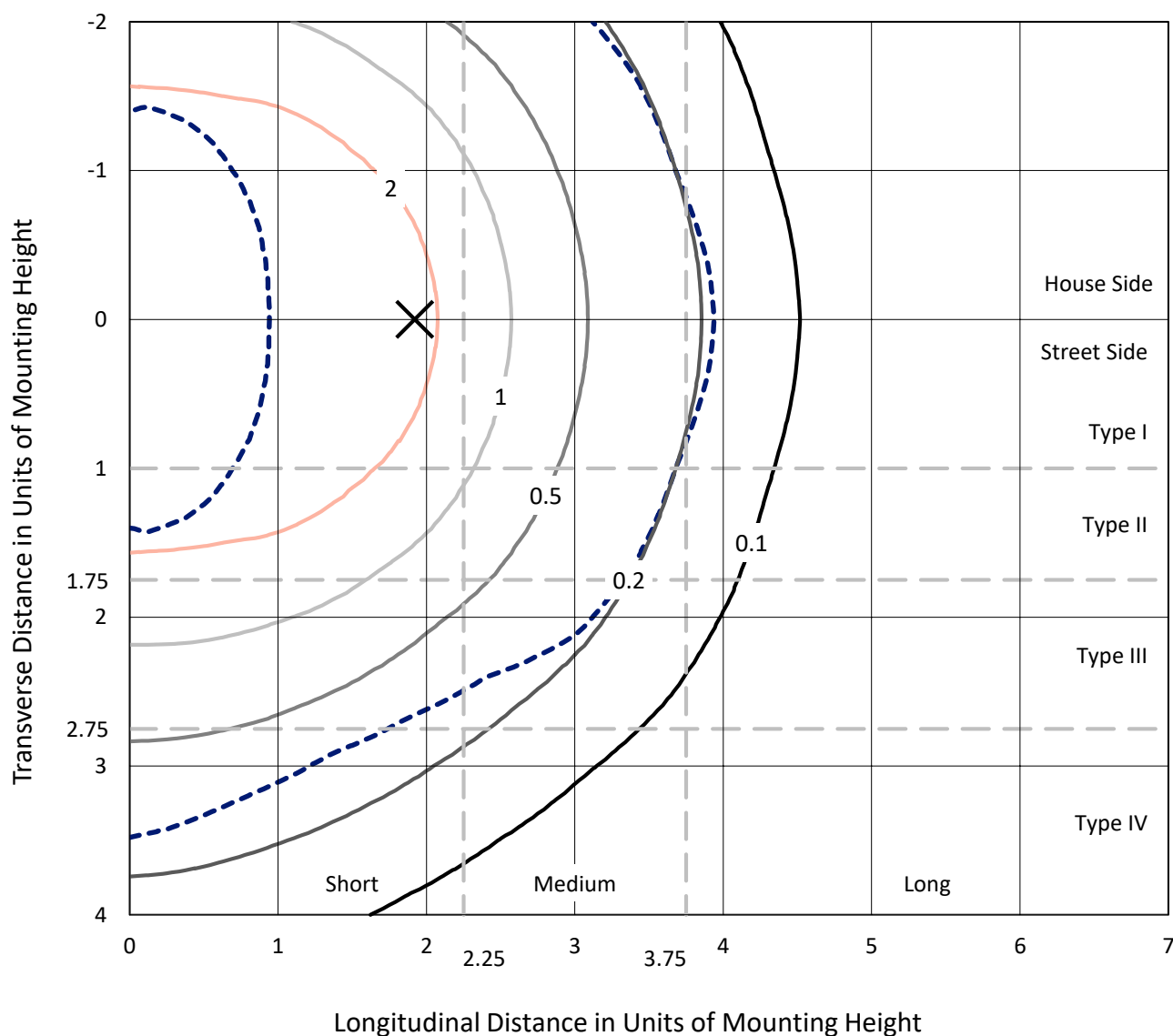


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

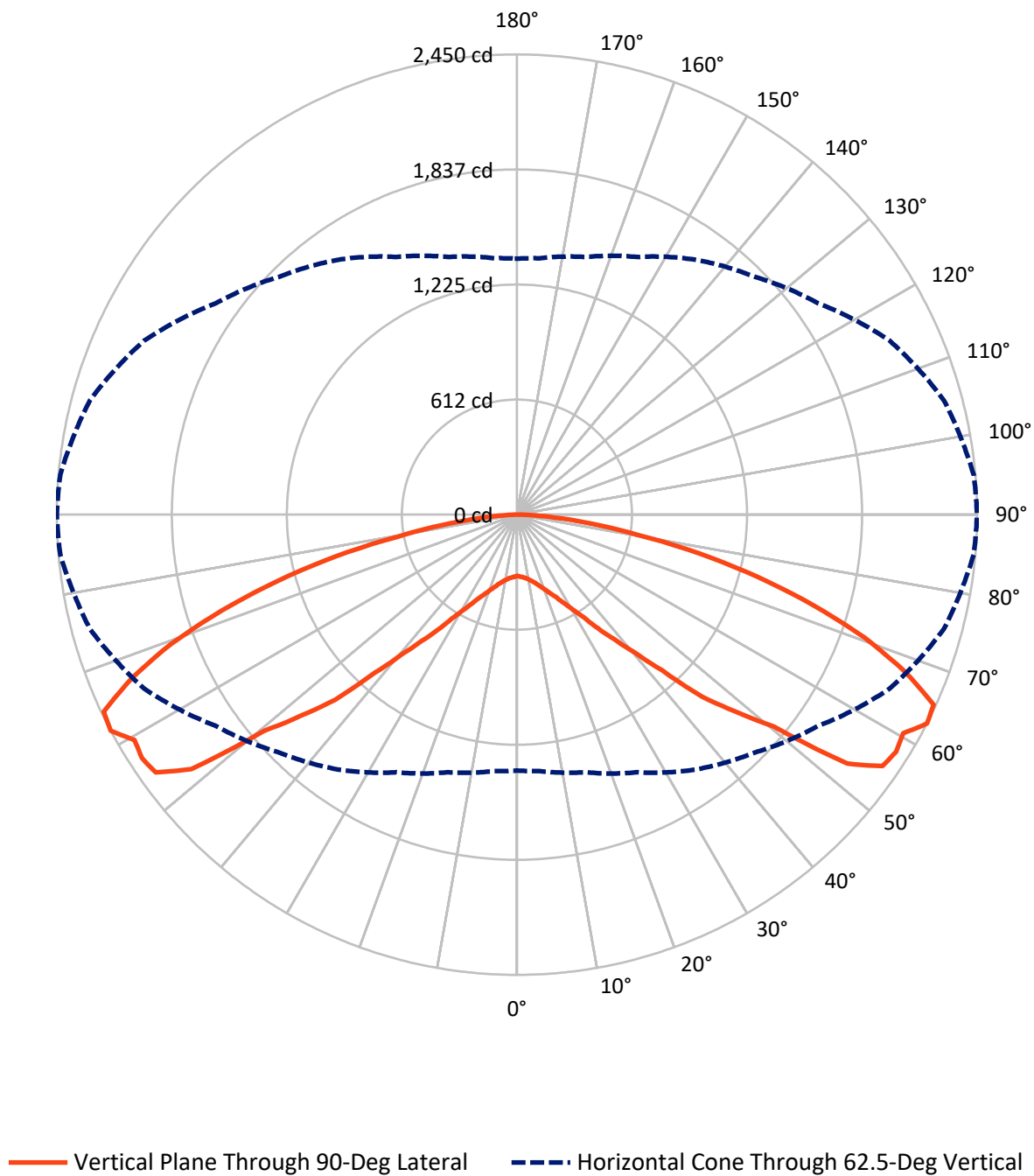


Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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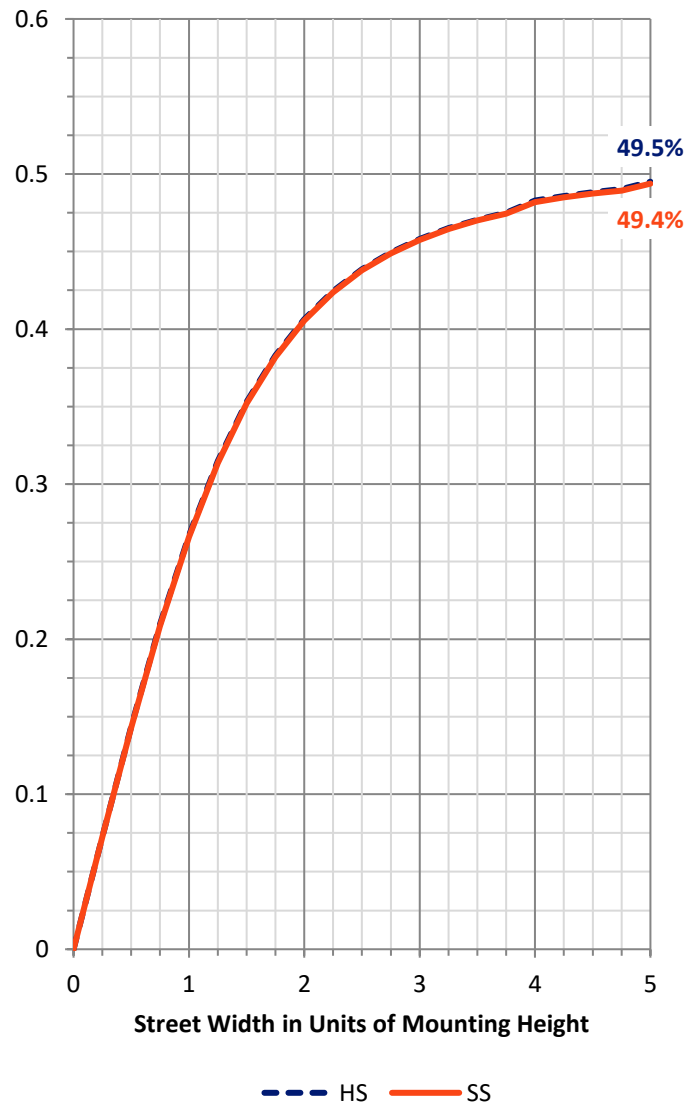
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3222.2	0.0	3222.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3222.2	0.0	3222.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	6444.3	0.0	6444.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.5	0.5
10°-20°	110.9	1.7
20°-30°	237.0	3.7
30°-40°	460.9	7.2
40°-50°	869.0	13.5
50°-60°	1485.0	23.0
60°-70°	1788.2	27.7
70°-80°	1203.4	18.7
80°-90°	257.4	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°	6444.3	100.0
0°-180°	6444.3	100.0

Coefficient of Utilization



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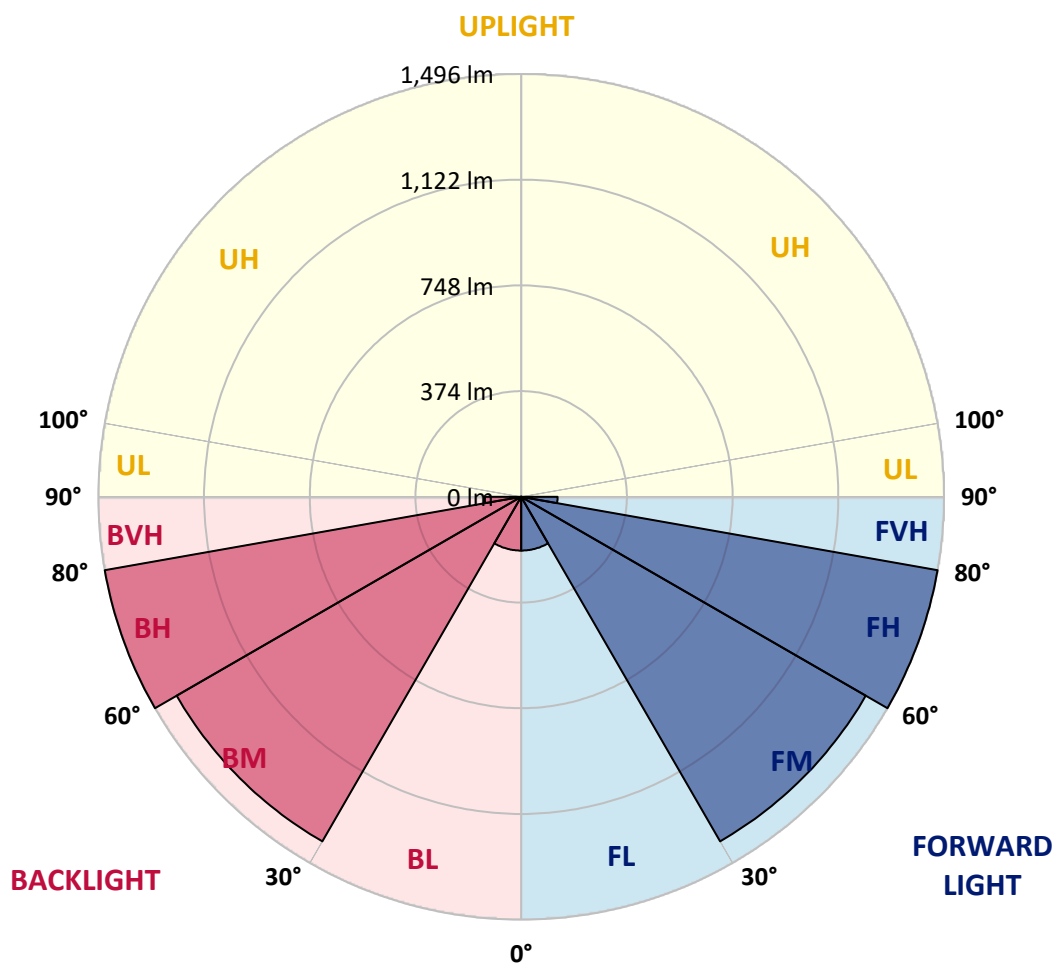
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	190.2	3.0			
FM	(30°-60°)	1407.4	21.8			
FH	(60°-80°)	1495.8	23.2			G1/1800
FVH	(80°-90°)	128.7	2.0			G2/225
BL	(0°-30°)	190.2	3.0	B1/500		
BM	(30°-60°)	1407.4	21.8	B2/2500		
BH	(60°-80°)	1495.8	23.2	B3/2500		G3/2500
BVH	(80°-90°)	128.7	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°	325.8	325.8	325.8	325.8	325.8	325.8	325.8	325.8	325.8	325.8	325.8
2.5°	328.9	328.9	328.9	328.9	328.9	328.9	330.4	330.4	330.4	330.4	330.4
5°	333.4	333.4	334.9	334.9	336.4	336.4	336.4	336.4	334.9	334.9	334.9
7.5°	340.9	340.9	342.4	343.9	343.9	342.4	342.4	340.9	340.9	340.9	340.9
10°	353.0	353.0	354.5	354.5	353.0	353.0	353.0	351.5	351.5	351.5	351.5
12.5°	366.6	368.1	369.6	368.1	366.6	365.1	365.1	363.5	363.5	363.5	363.5
15°	386.2	389.2	387.7	387.7	386.2	383.2	381.7	380.1	380.1	380.1	380.1
17.5°	416.3	416.3	411.8	408.8	405.8	404.3	402.8	401.3	401.3	401.3	401.3
20°	448.0	446.5	442.0	437.5	432.9	431.4	426.9	425.4	426.9	425.4	425.4
22.5°	485.7	484.2	478.2	473.7	467.6	461.6	460.1	455.6	454.1	452.6	454.1
25°	523.4	525.0	520.4	515.9	506.9	500.8	494.8	491.8	488.8	487.2	487.2
27.5°	567.2	570.2	567.2	558.1	549.1	544.6	535.5	532.5	531.0	532.5	532.5
30°	614.0	615.5	610.9	606.4	597.4	586.8	580.8	582.3	582.3	586.8	585.3
32.5°	671.3	669.8	663.7	660.7	651.7	642.6	639.6	641.1	647.1	650.2	650.2
35°	734.6	730.1	724.1	718.0	710.5	704.5	706.0	718.0	736.1	740.7	743.7
37.5°	798.0	790.5	790.5	781.4	775.4	779.9	788.9	811.6	825.2	846.3	841.7
40°	856.8	858.3	855.3	847.8	846.3	861.4	881.0	909.6	944.3	965.4	963.9
42.5°	911.1	924.7	915.7	917.2	924.7	948.8	980.5	1036.3	1105.7	1132.9	1132.9
45°	971.5	988.1	980.5	985.1	1006.2	1043.9	1111.8	1221.9	1316.9	1381.8	1381.8
47.5°	1033.3	1048.4	1045.4	1054.4	1092.2	1158.5	1262.6	1399.9	1494.9	1558.3	1567.3
50°	1111.8	1105.7	1107.2	1129.9	1194.7	1291.3	1424.0	1559.8	1716.7	1754.4	1772.5
52.5°	1179.6	1161.5	1172.1	1209.8	1303.3	1416.5	1580.9	1820.8	2038.0	2188.8	2200.9
55°	1235.5	1221.9	1243.0	1295.8	1416.5	1565.8	1780.0	2074.2	2253.7	2345.7	2362.3
57.5°	1283.7	1277.7	1312.4	1380.3	1534.1	1716.7	1933.9	2172.2	2297.4	2368.3	2380.4
60°	1327.5	1332.0	1369.7	1460.2	1626.2	1793.6	1968.6	2169.2	2294.4	2350.2	2362.3
62.5°	1362.2	1369.7	1419.5	1513.0	1656.3	1790.6	1959.5	2190.3	2353.3	2440.8	2449.8
65°	1384.8	1392.3	1448.2	1513.0	1647.3	1777.0	2015.4	2211.5	2332.1	2421.1	2437.7
67.5°	1387.8	1398.4	1431.6	1485.9	1599.0	1713.7	1918.8	2060.6	2157.2	2211.5	2226.5
70°	1369.7	1366.7	1378.8	1401.4	1469.3	1547.7	1721.2	1826.8	1896.2	1952.0	1965.6
72.5°	1300.3	1295.8	1267.1	1241.5	1267.1	1329.0	1478.3	1549.2	1596.0	1641.2	1650.3
75°	1167.6	1146.5	1075.6	1039.4	1031.8	1086.1	1200.8	1246.0	1264.1	1315.4	1321.4
77.5°	933.8	924.7	864.4	801.0	795.0	828.2	915.7	935.3	920.2	976.0	992.6
80°	681.8	669.8	612.5	565.7	553.6	576.2	627.5	632.1	621.5	648.7	648.7
82.5°	436.0	423.9	399.8	365.1	339.4	353.0	392.2	392.2	392.2	399.8	404.3
85°	224.8	220.2	202.1	185.5	176.5	179.5	193.1	194.6	202.1	206.7	200.6
87.5°	63.4	66.4	63.4	55.8	54.3	52.8	58.8	60.3	64.9	67.9	70.9
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)