

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: P198102

Luminaire Tested: **TT-C5-LED-E1-RW-PM-SG-LWR-LW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198102
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-C5-LED-E1-RW-PM-SG-LWR-LW
Description: TOPTIER LED AREA/SITE 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: 6639.7 lumens
Efficiency: N/A
Efficacy: 86.2 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): 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

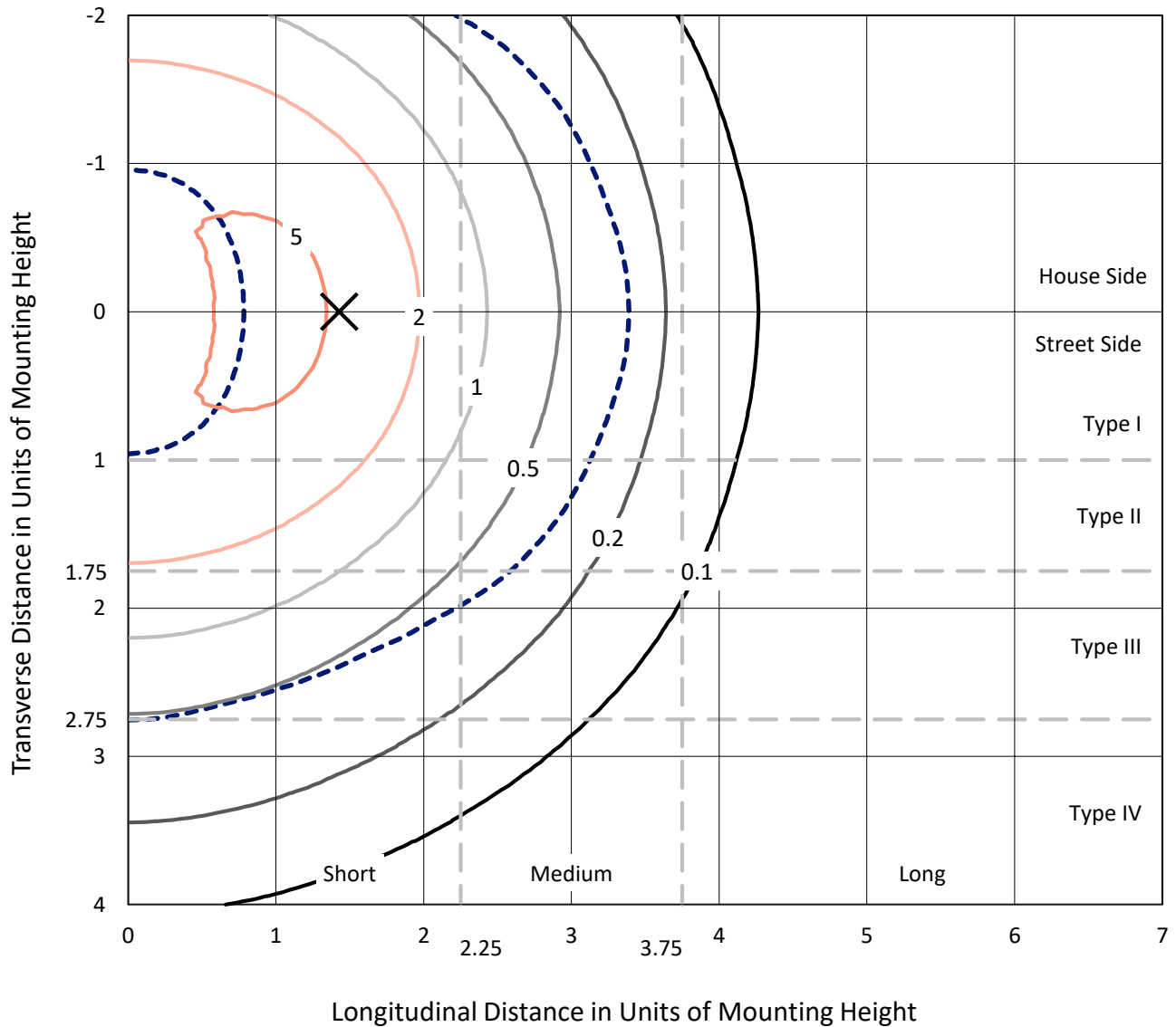


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

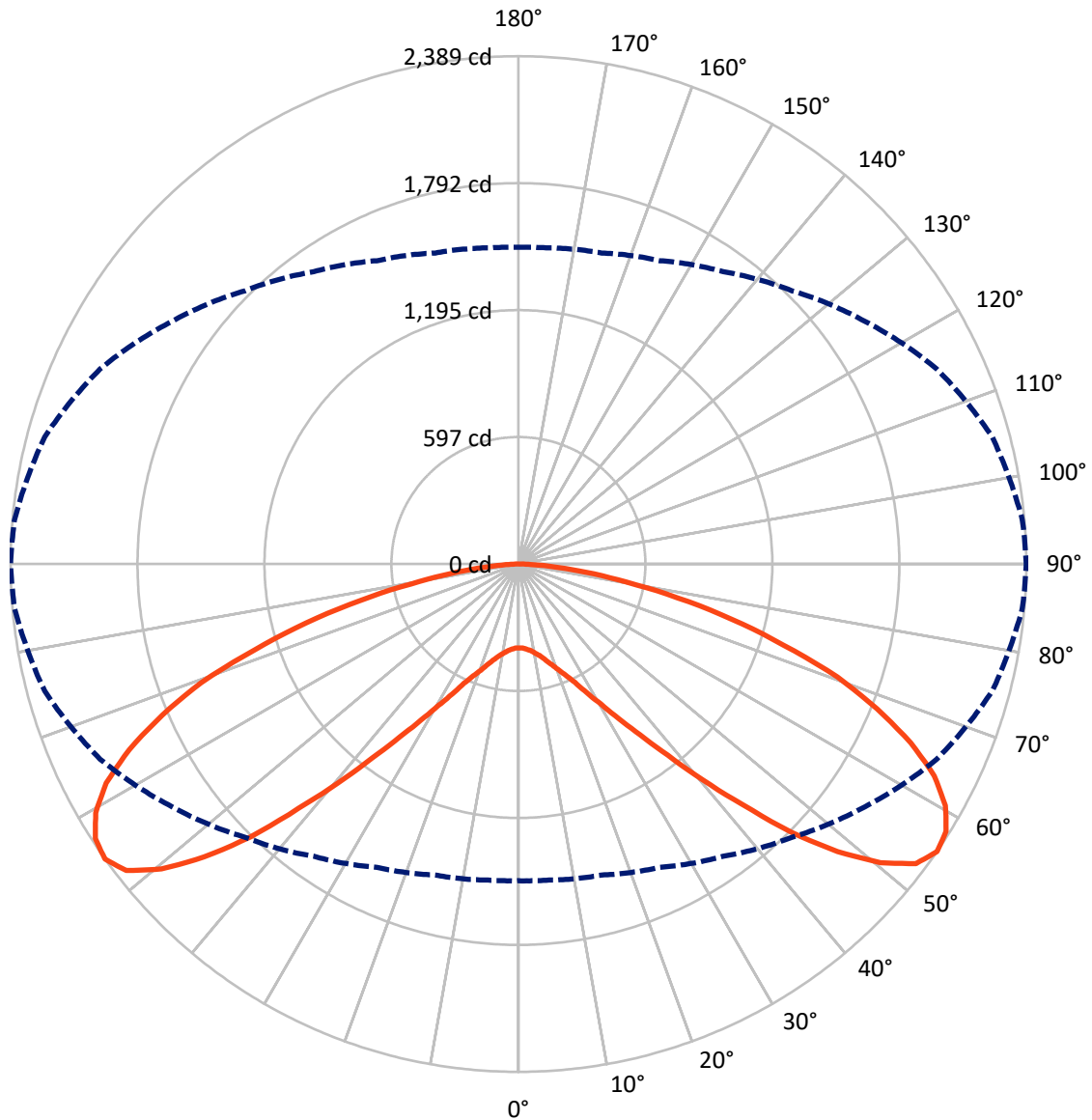


Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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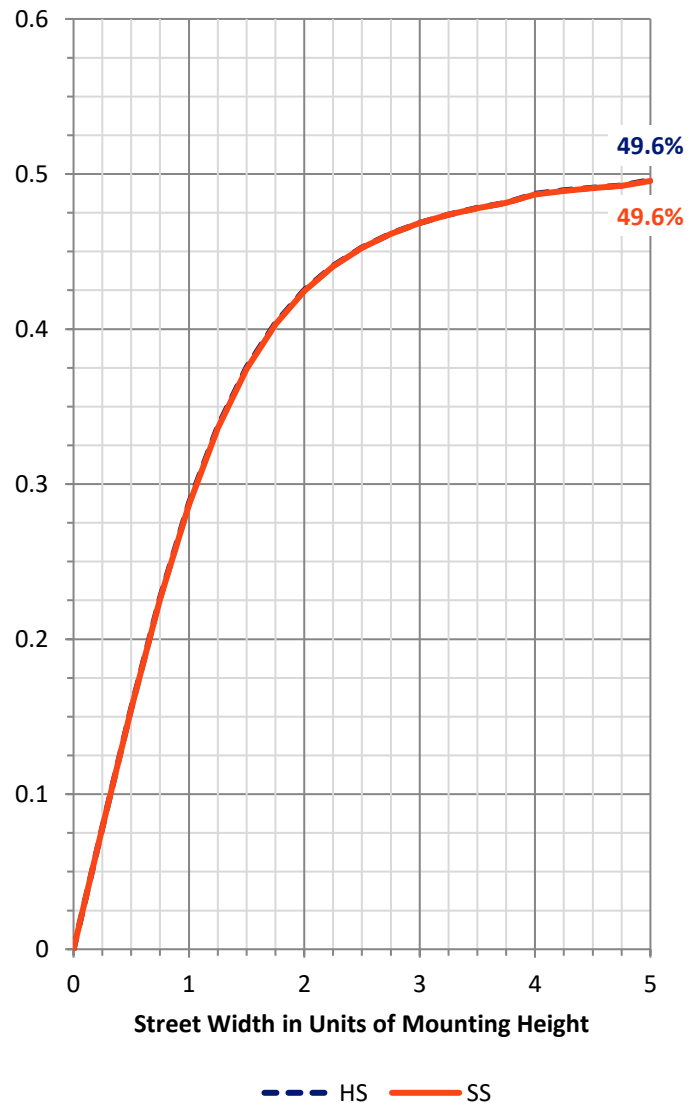
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3319.9	0.0	3319.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3319.9	0.0	3319.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	6639.7	0.0	6639.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.1	0.6
10°-20°	135.6	2.0
20°-30°	296.1	4.5
30°-40°	595.4	9.0
40°-50°	1125.3	16.9
50°-60°	1659.8	25.0
60°-70°	1634.9	24.6
70°-80°	952.0	14.3
80°-90°	201.5	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°	6639.7	100.0
0°-180°	6639.7	100.0



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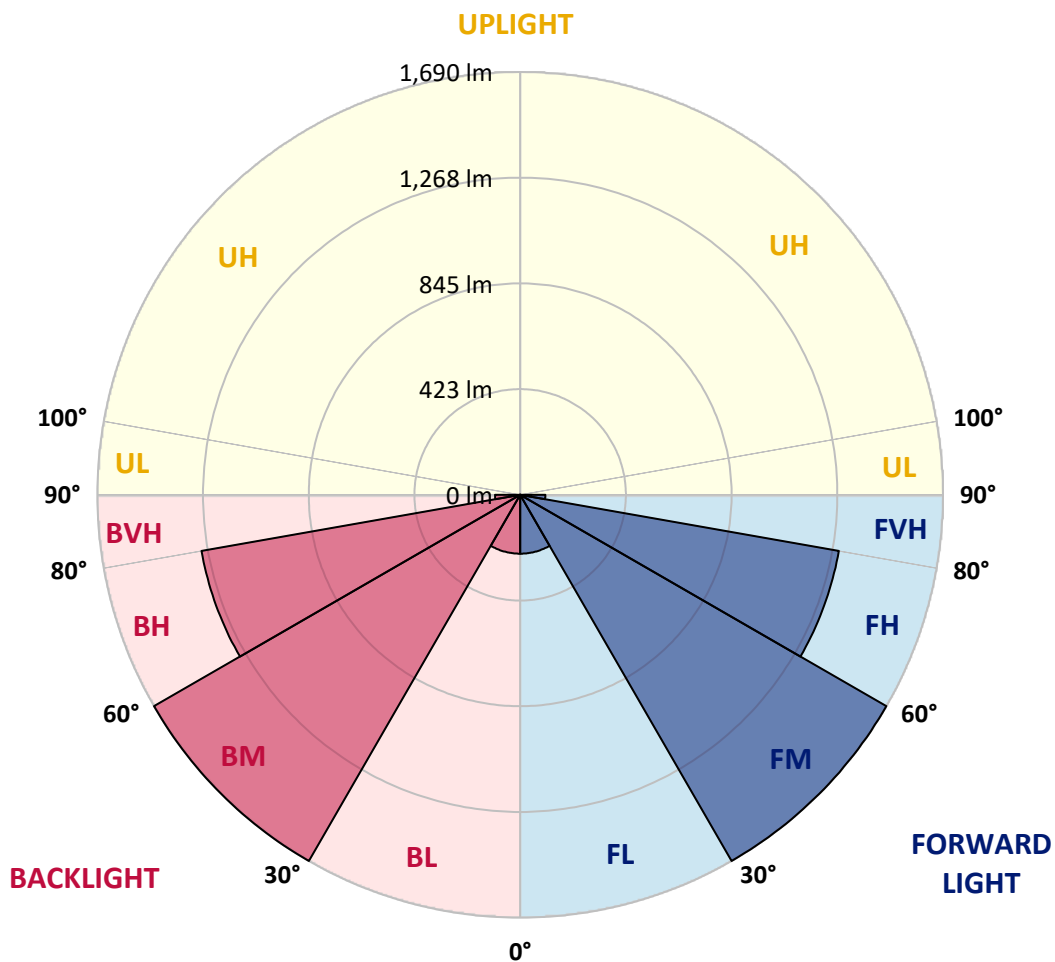
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	235.4	3.5			
FM	(30°-60°)	1690.2	25.5			
FH	(60°-80°)	1293.4	19.5			G1/1800
FVH	(80°-90°)	100.8	1.5			G2/225
BL	(0°-30°)	235.4	3.5	B1/500		
BM	(30°-60°)	1690.2	25.5	B2/2500		
BH	(60°-80°)	1293.4	19.5	B3/2500		G3/2500
BVH	(80°-90°)	100.8	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°	394.4	394.4	394.4	394.4	394.4	394.4	394.4	394.4	394.4	394.4	394.4
2.5°	397.4	397.4	397.4	397.4	395.9	397.4	395.9	395.9	395.9	395.9	395.9
5°	402.0	403.6	402.0	402.0	402.0	402.0	402.0	402.0	400.5	400.5	402.0
7.5°	412.8	412.8	412.8	412.8	411.2	412.8	411.2	411.2	411.2	411.2	411.2
10°	428.1	428.1	428.1	428.1	426.6	426.6	426.6	425.1	425.1	425.1	425.1
12.5°	446.5	448.1	448.1	446.5	445.0	445.0	443.5	443.5	443.5	443.5	441.9
15°	474.2	472.6	472.6	469.6	469.6	466.5	468.0	466.5	465.0	463.4	465.0
17.5°	501.8	503.3	503.3	500.2	498.7	497.2	494.1	494.1	492.6	494.1	494.1
20°	544.7	544.7	541.7	538.6	534.0	532.5	529.4	529.4	526.3	529.4	529.4
22.5°	587.7	587.7	584.6	583.1	577.0	572.4	570.8	569.3	567.8	570.8	567.8
25°	641.4	641.4	638.4	632.2	626.1	624.5	619.9	619.9	621.5	623.0	616.9
27.5°	696.7	698.2	695.1	690.5	684.4	678.2	678.2	679.8	681.3	687.5	685.9
30°	764.2	762.6	758.0	751.9	748.8	744.2	745.8	751.9	758.0	764.2	764.2
32.5°	833.2	831.7	830.2	824.0	822.5	821.0	828.6	840.9	853.2	857.8	865.5
35°	906.9	906.9	905.4	900.7	903.8	911.5	923.8	946.8	965.2	986.7	986.7
37.5°	988.2	985.1	986.7	986.7	994.4	1008.2	1037.3	1081.8	1120.2	1141.7	1141.7
40°	1072.6	1068.0	1069.5	1077.2	1091.0	1124.8	1175.4	1236.8	1298.2	1325.8	1335.0
42.5°	1153.9	1149.3	1155.5	1163.1	1196.9	1249.1	1324.3	1417.9	1505.3	1548.3	1546.8
45°	1229.1	1232.2	1239.9	1258.3	1307.4	1384.1	1491.5	1617.4	1730.9	1781.6	1800.0
47.5°	1304.3	1305.9	1316.6	1348.8	1417.9	1514.5	1645.0	1812.2	1938.1	1997.9	2020.9
50°	1374.9	1378.0	1396.4	1442.4	1523.8	1640.4	1801.5	1979.5	2117.6	2188.2	2208.1
52.5°	1437.8	1440.9	1462.4	1519.2	1615.8	1750.9	1919.7	2102.3	2248.0	2329.4	2341.6
55°	1490.0	1493.1	1514.5	1574.4	1678.7	1818.4	1990.2	2171.3	2307.9	2380.0	2389.2
57.5°	1520.7	1522.2	1545.2	1606.6	1709.4	1839.9	2005.6	2180.5	2300.2	2364.7	2372.3
60°	1522.2	1525.3	1546.8	1602.0	1697.2	1816.8	1974.9	2131.4	2240.4	2298.7	2307.9
62.5°	1494.6	1496.1	1514.5	1557.5	1638.8	1743.2	1889.0	2030.1	2128.3	2185.1	2195.9
65°	1431.7	1431.7	1440.9	1473.1	1536.0	1625.0	1749.3	1879.8	1970.3	2022.5	2028.6
67.5°	1327.3	1327.3	1328.9	1350.4	1393.3	1463.9	1569.8	1678.7	1760.1	1812.2	1819.9
70°	1193.8	1192.3	1180.0	1193.8	1221.5	1281.3	1374.9	1457.8	1523.8	1565.2	1592.8
72.5°	1025.0	1018.9	1009.7	1006.6	1034.3	1086.4	1163.1	1219.9	1256.8	1301.3	1304.3
75°	828.6	825.6	813.3	813.3	840.9	882.3	943.7	982.1	1000.5	1029.6	1035.8
77.5°	618.4	616.9	621.5	623.0	638.4	682.9	718.1	745.8	741.2	759.6	765.7
80°	432.7	435.8	435.8	434.3	449.6	466.5	504.8	512.5	506.4	512.5	512.5
82.5°	274.7	273.1	270.1	274.7	287.0	300.8	316.1	317.6	322.2	317.6	320.7
85°	138.1	136.6	139.6	141.2	147.3	155.0	168.8	171.9	164.2	164.2	161.1
87.5°	47.6	50.6	47.6	49.1	49.1	56.8	55.2	55.2	55.2	55.2	58.3
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)