

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: P198101

Luminaire Tested: **TT-C5-LED-E1-RW-PM-SG-LWR-LW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198101
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-8030
Description: TOPTIER LED AREA/SITE 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: 5007.5 lumens
Efficiency: N/A
Efficacy: 65.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B2 - U0 - G2

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

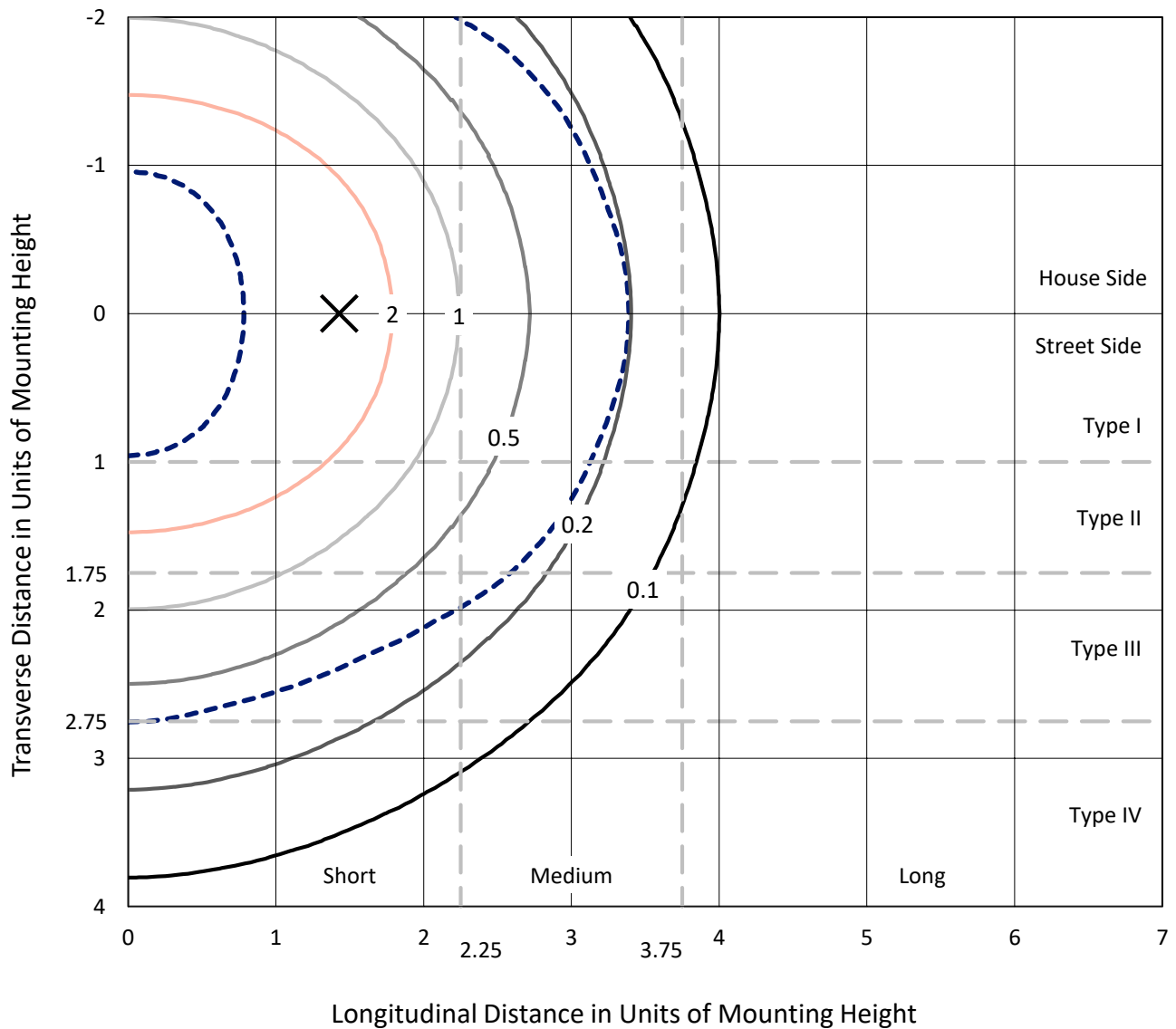


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

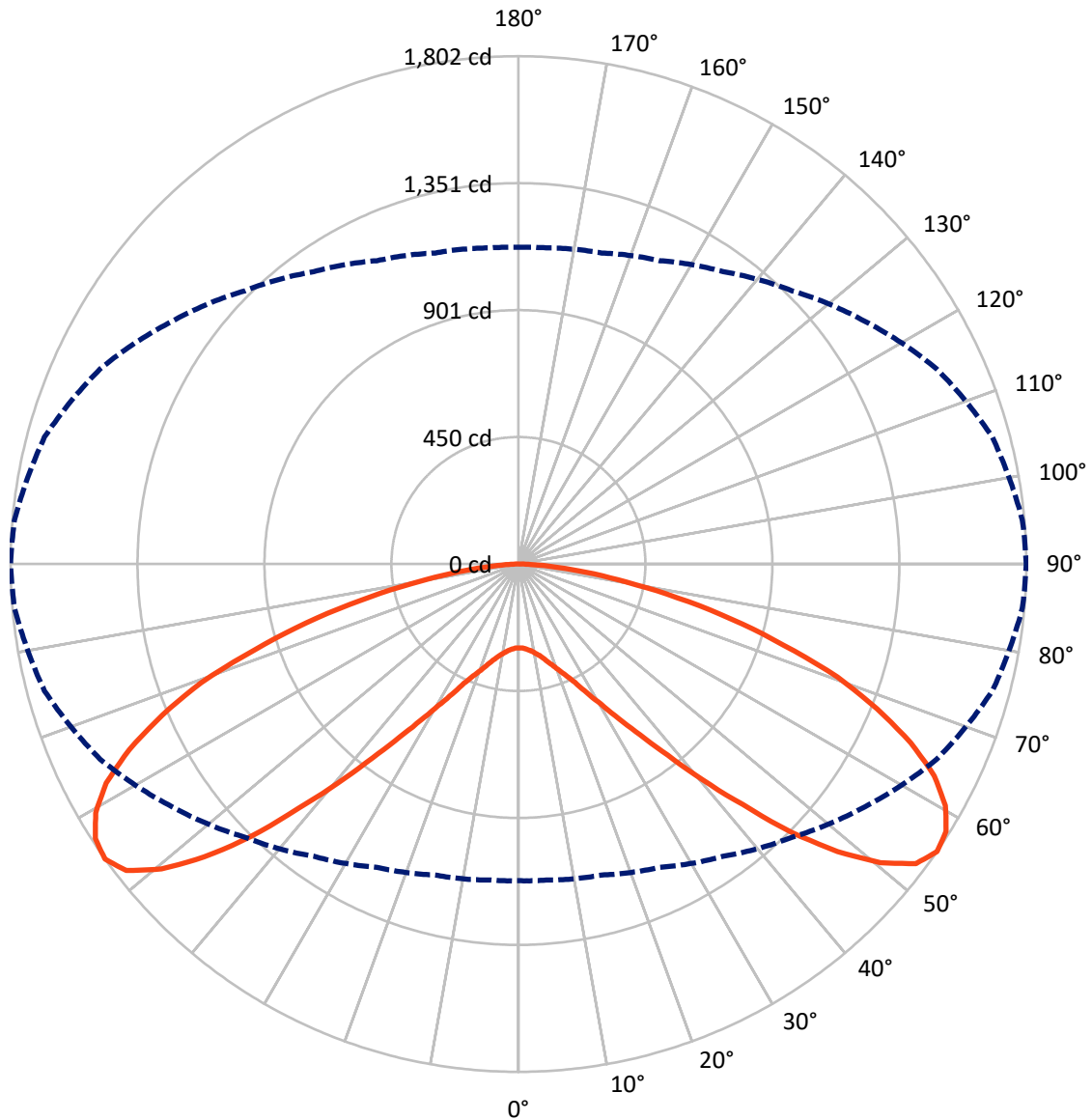


Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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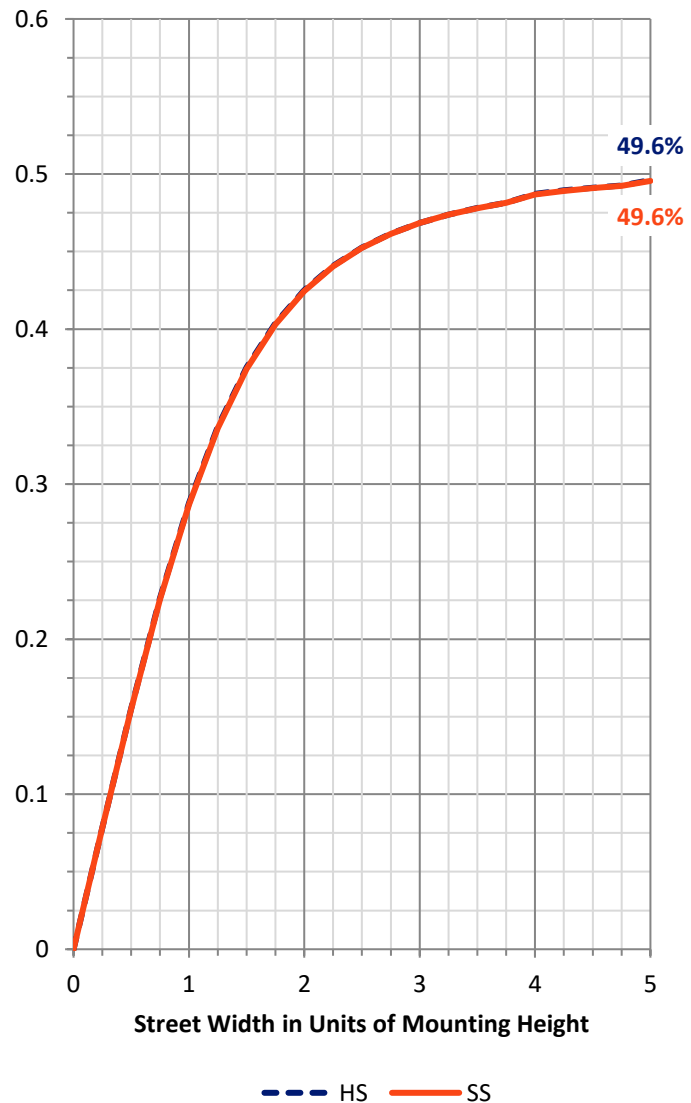
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2503.8	0.0	2503.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2503.8	0.0	2503.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	5007.5	0.0	5007.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.5	0.6
10°-20°	102.2	2.0
20°-30°	223.3	4.5
30°-40°	449.0	9.0
40°-50°	848.6	16.9
50°-60°	1251.8	25.0
60°-70°	1233.0	24.6
70°-80°	718.0	14.3
80°-90°	152.0	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°	5007.5	100.0
0°-180°	5007.5	100.0



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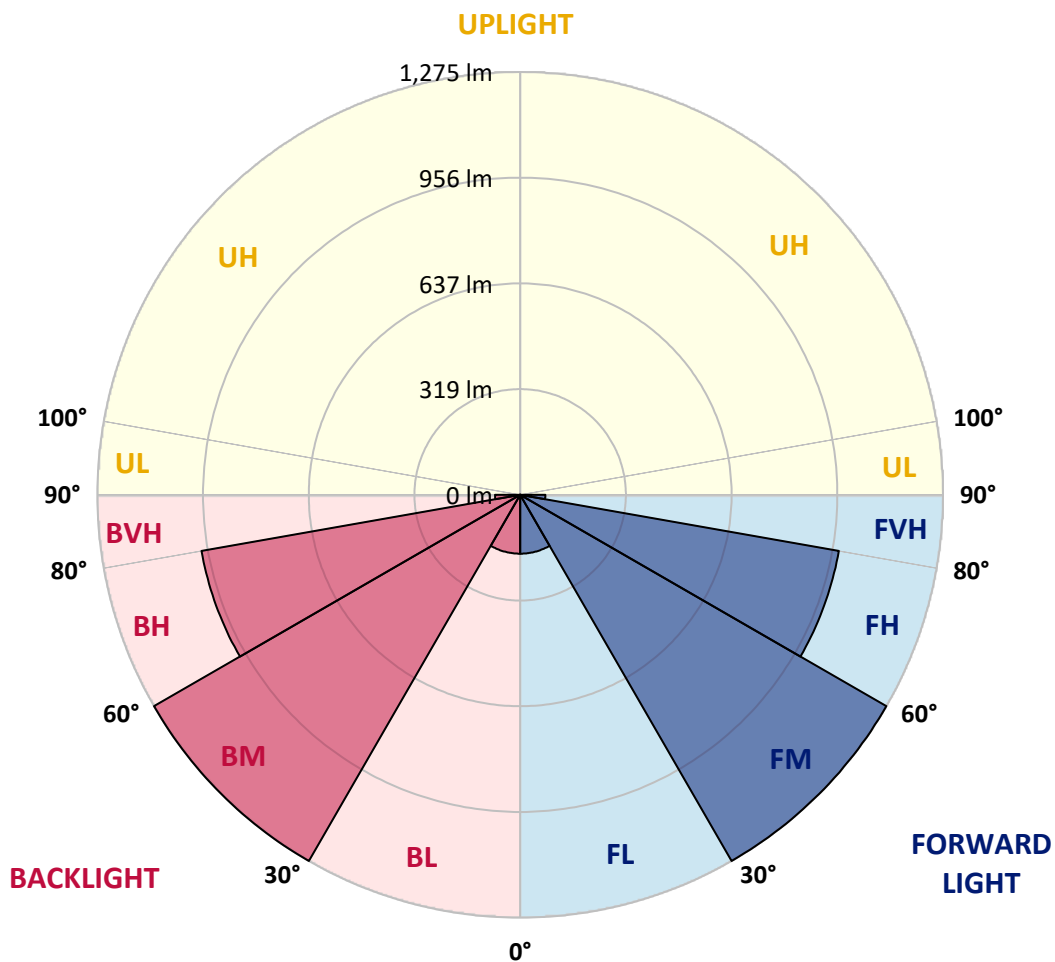
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	177.5	3.5			
FM	(30°-60°)	1274.7	25.5			
FH	(60°-80°)	975.5	19.5			G1/1800
FVH	(80°-90°)	76.0	1.5			G1/100
BL	(0°-30°)	177.5	3.5	B1/500		
BM	(30°-60°)	1274.7	25.5	B2/2500		
BH	(60°-80°)	975.5	19.5	B2/1000		G2/1000
BVH	(80°-90°)	76.0	1.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	297.4	297.4	297.4	297.4	297.4	297.4	297.4	297.4	297.4	297.4	297.4
2.5°	299.7	299.7	299.7	299.7	298.6	299.7	298.6	298.6	298.6	298.6	298.6
5°	303.2	304.4	303.2	303.2	303.2	303.2	303.2	303.2	302.1	302.1	303.2
7.5°	311.3	311.3	311.3	311.3	310.2	311.3	310.2	310.2	310.2	310.2	310.2
10°	322.9	322.9	322.9	322.9	321.7	321.7	321.7	320.6	320.6	320.6	320.6
12.5°	336.8	337.9	337.9	336.8	335.6	335.6	334.5	334.5	334.5	334.5	333.3
15°	357.6	356.4	356.4	354.1	354.1	351.8	353.0	351.8	350.7	349.5	350.7
17.5°	378.4	379.6	379.6	377.3	376.1	375.0	372.6	372.6	371.5	372.6	372.6
20°	410.8	410.8	408.5	406.2	402.7	401.6	399.3	399.3	396.9	399.3	399.3
22.5°	443.2	443.2	440.9	439.8	435.1	431.7	430.5	429.4	428.2	430.5	428.2
25°	483.7	483.7	481.4	476.8	472.2	471.0	467.5	467.5	468.7	469.9	465.2
27.5°	525.4	526.6	524.2	520.8	516.1	511.5	511.5	512.7	513.8	518.5	517.3
30°	576.3	575.2	571.7	567.1	564.8	561.3	562.4	567.1	571.7	576.3	576.3
32.5°	628.4	627.2	626.1	621.5	620.3	619.1	624.9	634.2	643.4	646.9	652.7
35°	684.0	684.0	682.8	679.3	681.6	687.4	696.7	714.0	727.9	744.1	744.1
37.5°	745.3	743.0	744.1	744.1	749.9	760.3	782.3	815.9	844.8	861.0	861.0
40°	808.9	805.5	806.6	812.4	822.8	848.3	886.5	932.8	979.1	999.9	1006.8
42.5°	870.3	866.8	871.4	877.2	902.7	942.0	998.7	1069.3	1135.3	1167.7	1166.5
45°	927.0	929.3	935.1	949.0	986.0	1043.9	1124.9	1219.8	1305.4	1343.6	1357.5
47.5°	983.7	984.8	992.9	1017.3	1069.3	1142.2	1240.6	1366.8	1461.6	1506.8	1524.1
50°	1036.9	1039.2	1053.1	1087.8	1149.2	1237.1	1358.7	1492.9	1597.1	1650.3	1665.3
52.5°	1084.4	1086.7	1102.9	1145.7	1218.6	1320.5	1447.8	1585.5	1695.4	1756.8	1766.0
55°	1123.7	1126.0	1142.2	1187.4	1266.1	1371.4	1501.0	1637.6	1740.6	1794.9	1801.9
57.5°	1146.9	1148.0	1165.4	1211.7	1289.2	1387.6	1512.6	1644.5	1734.8	1783.4	1789.2
60°	1148.0	1150.3	1166.5	1208.2	1280.0	1370.2	1489.4	1607.5	1689.6	1733.6	1740.6
62.5°	1127.2	1128.4	1142.2	1174.6	1236.0	1314.7	1424.6	1531.1	1605.2	1648.0	1656.1
65°	1079.7	1079.7	1086.7	1111.0	1158.4	1225.6	1319.3	1417.7	1486.0	1525.3	1529.9
67.5°	1001.1	1001.1	1002.2	1018.4	1050.8	1104.0	1183.9	1266.1	1327.4	1366.8	1372.5
70°	900.4	899.2	890.0	900.4	921.2	966.3	1036.9	1099.4	1149.2	1180.4	1201.3
72.5°	773.1	768.4	761.5	759.2	780.0	819.4	877.2	920.0	947.8	981.4	983.7
75°	624.9	622.6	613.4	613.4	634.2	665.4	711.7	740.7	754.5	776.5	781.2
77.5°	466.4	465.2	468.7	469.9	481.4	515.0	541.6	562.4	559.0	572.9	577.5
80°	326.4	328.7	328.7	327.5	339.1	351.8	380.7	386.5	381.9	386.5	386.5
82.5°	207.2	206.0	203.7	207.2	216.4	226.8	238.4	239.6	243.0	239.6	241.9
85°	104.2	103.0	105.3	106.5	111.1	116.9	127.3	129.6	123.8	123.8	121.5
87.5°	35.9	38.2	35.9	37.0	37.0	42.8	41.7	41.7	41.7	41.7	44.0
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)