

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: P197959

Luminaire Tested: **TT-C5-LED-E1-RW-PM-LWR-LW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197959
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34693)
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-LWR-LW-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH LumaWatt WIRELESS SENSOR
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6891.1 lumens
Efficiency: N/A
Efficacy: 89.5 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): 77
Input Voltage (V): NR
Input Current (A_{in}): 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

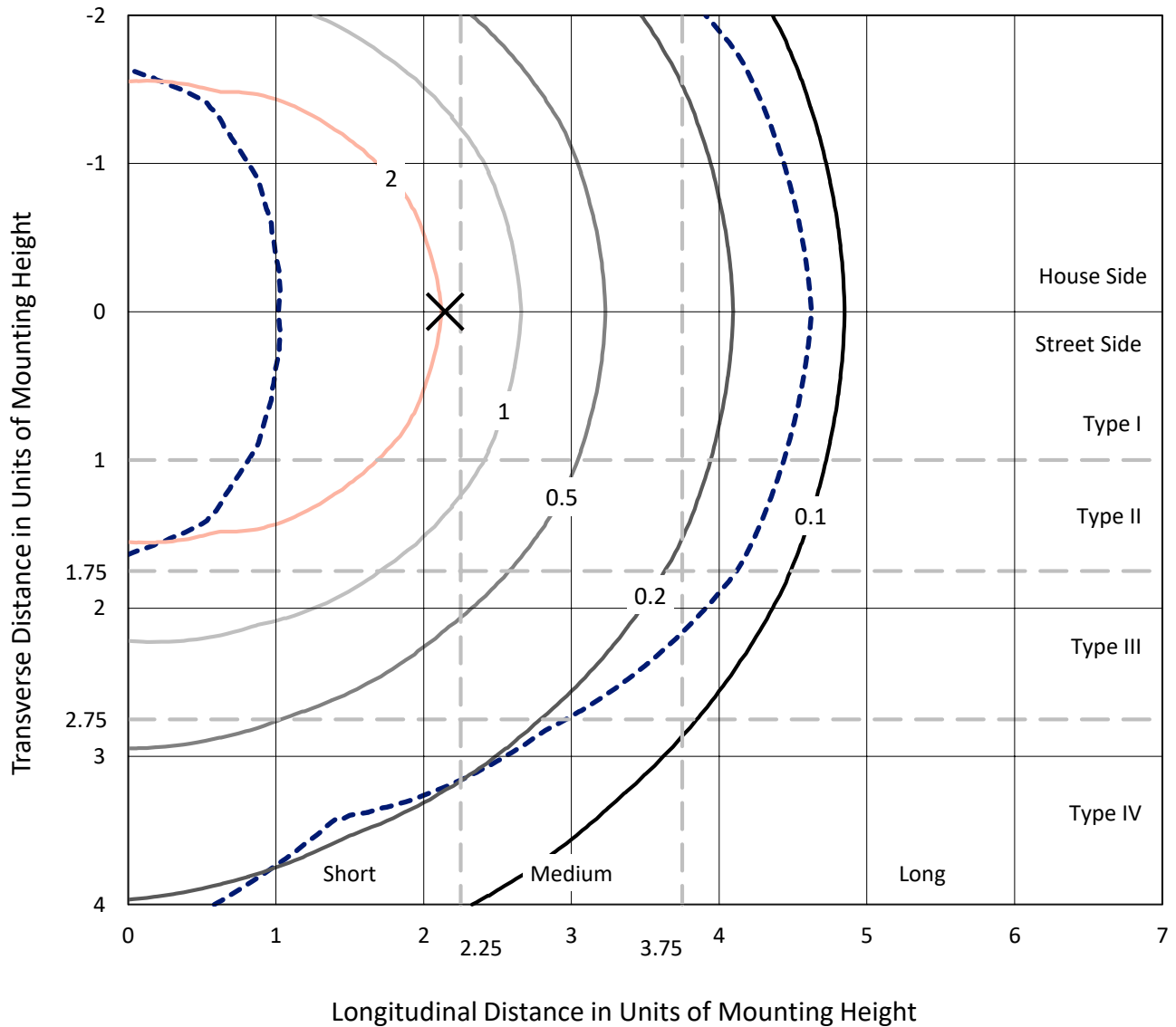


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

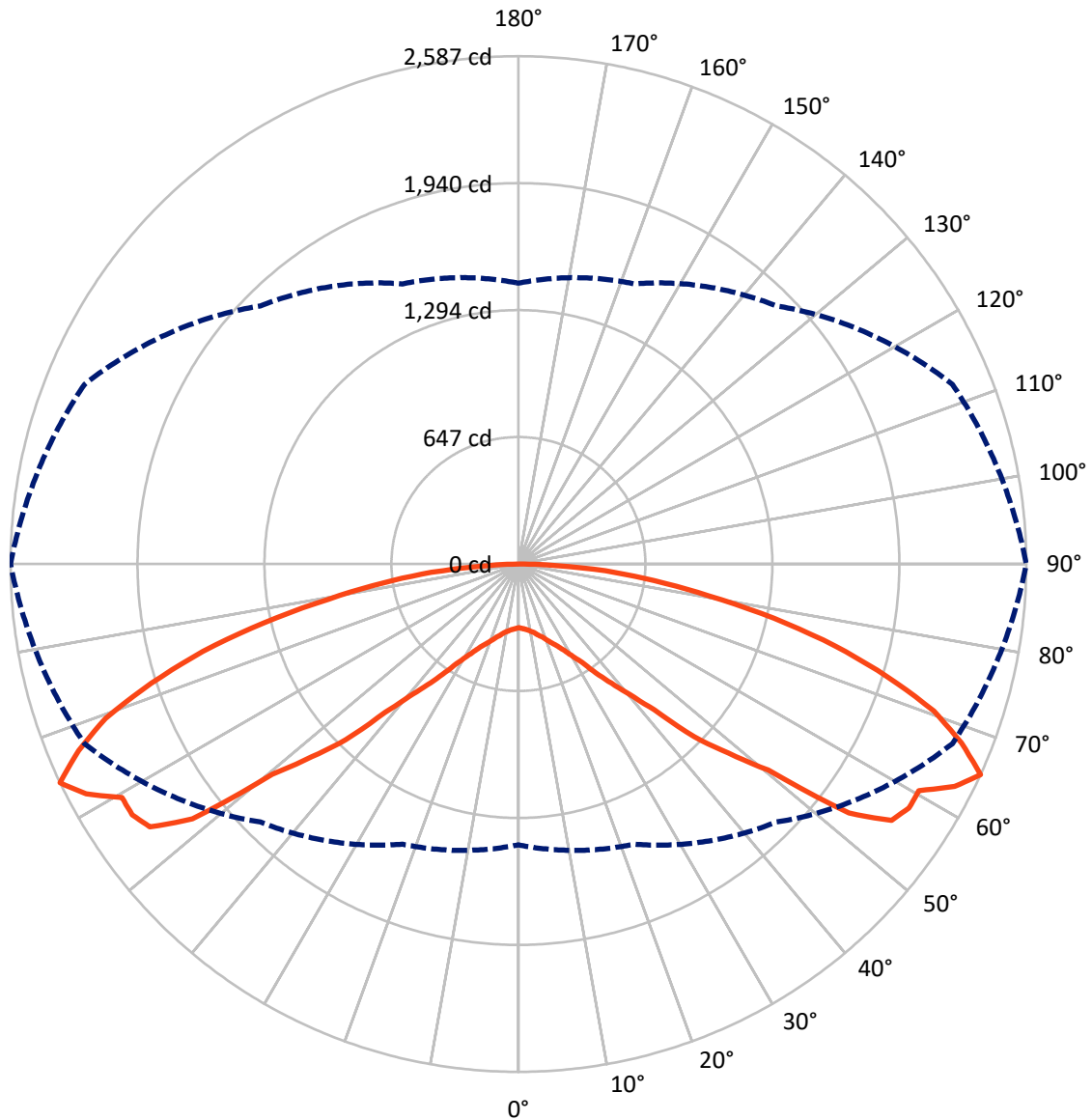


Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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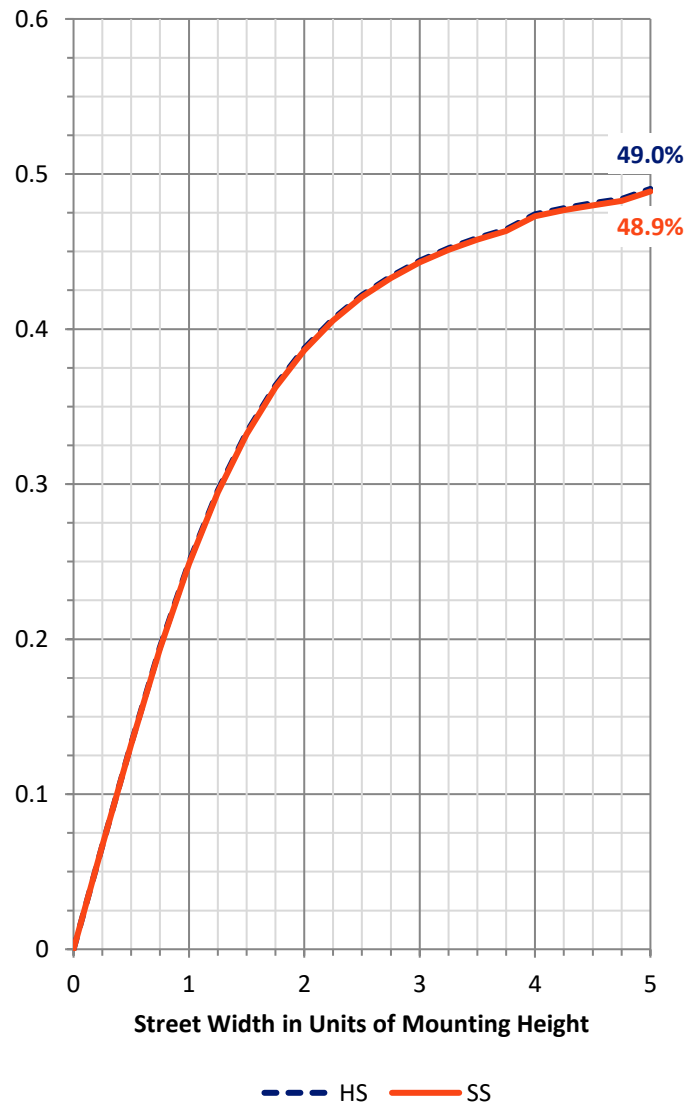
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3445.5	0.0	3445.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3445.5	0.0	3445.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6891.1	0.0	6891.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.4	0.5
10°-20°	110.0	1.6
20°-30°	231.0	3.4
30°-40°	439.1	6.4
40°-50°	816.3	11.8
50°-60°	1446.7	21.0
60°-70°	1878.9	27.3
70°-80°	1496.5	21.7
80°-90°	440.3	6.4
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°	6891.1	100.0
0°-180°	6891.1	100.0



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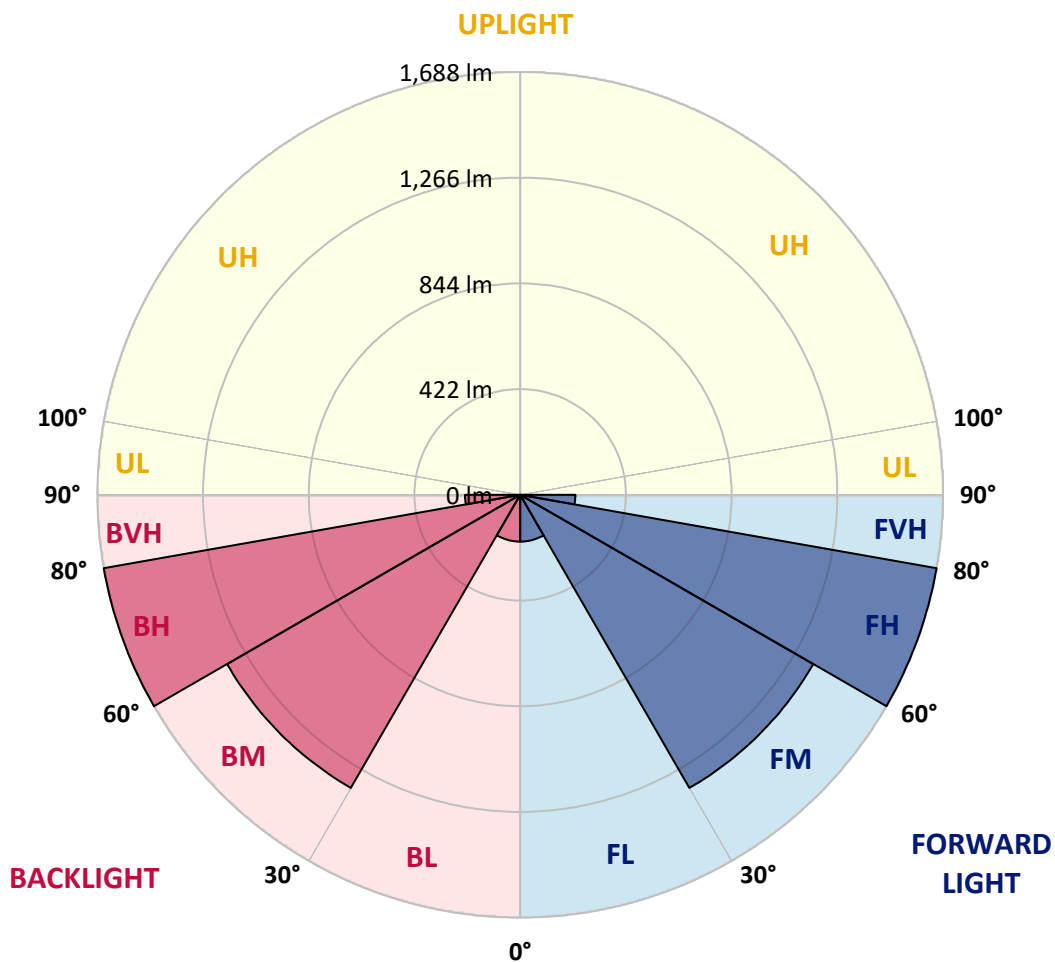
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	186.7	2.7			
FM	(30°-60°)	1351.0	19.6			
FH	(60°-80°)	1687.7	24.5			G1/1800
FVH	(80°-90°)	220.2	3.2			G2/225
BL	(0°-30°)	186.7	2.7	B1/500		
BM	(30°-60°)	1351.0	19.6	B2/2500		
BH	(60°-80°)	1687.7	24.5	B3/2500		G3/2500
BVH	(80°-90°)	220.2	3.2			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°	22.5°	45°	67.5°	90°
0°	323.8	323.8	323.8	323.8	323.8
2.5°	326.8	326.8	328.3	328.3	328.3
5°	332.9	332.9	334.4	334.4	332.9
7.5°	340.5	343.5	342.0	339.0	339.0
10°	352.6	354.2	351.1	349.6	348.1
12.5°	367.8	369.4	363.3	361.8	358.7
15°	389.1	387.6	381.5	375.4	375.4
17.5°	418.0	408.9	398.2	393.7	390.6
20°	451.4	439.3	425.6	415.0	413.4
22.5°	489.4	472.7	454.5	439.3	437.8
25°	525.9	512.2	489.4	469.7	463.6
27.5°	565.4	554.8	525.9	503.1	498.6
30°	611.0	601.9	568.5	547.2	545.7
32.5°	664.2	652.1	615.6	600.4	598.9
35°	728.1	705.3	673.4	662.7	681.0
37.5°	788.9	763.0	737.2	755.4	770.6
40°	842.1	825.3	813.2	851.2	872.5
42.5°	893.7	884.6	893.7	950.0	1015.3
45°	948.5	951.5	984.9	1138.5	1255.5
47.5°	1012.3	1013.8	1092.9	1328.5	1439.4
50°	1082.2	1080.7	1220.5	1471.3	1649.2
52.5°	1150.6	1156.7	1348.2	1778.4	2108.2
55°	1211.4	1244.9	1521.5	2086.9	2305.8
57.5°	1264.6	1328.5	1684.1	2178.1	2345.3
60°	1322.4	1428.8	1798.1	2196.4	2343.8
62.5°	1378.6	1507.8	1822.5	2276.9	2494.3
65°	1430.3	1544.3	1858.9	2392.4	2587.0
67.5°	1472.9	1562.5	1858.9	2292.1	2433.5
70°	1507.8	1539.7	1751.0	2111.2	2245.0
72.5°	1500.2	1445.5	1573.2	1889.3	1966.9
75°	1428.8	1279.8	1386.2	1589.9	1667.4
77.5°	1249.4	1071.6	1129.3	1281.3	1331.5
80°	989.5	836.0	869.4	966.7	981.9
82.5°	697.7	600.4	612.6	687.0	697.7
85°	410.4	369.4	357.2	424.1	445.4
87.5°	121.6	106.4	104.9	127.7	141.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)