

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: P543221

Luminaire Tested: **TT-D9-830-U-RW-PM**

Issue Date: 6/22/2021

Test Information

Test Method: LM-79-08
Report Number: P543221
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-277-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D9-830-U-RW-PM
Description: TOPTIER LED SITE LUMINAIRE
3000K, 80 CRI LEDS AND RECTANGULAR DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15122 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

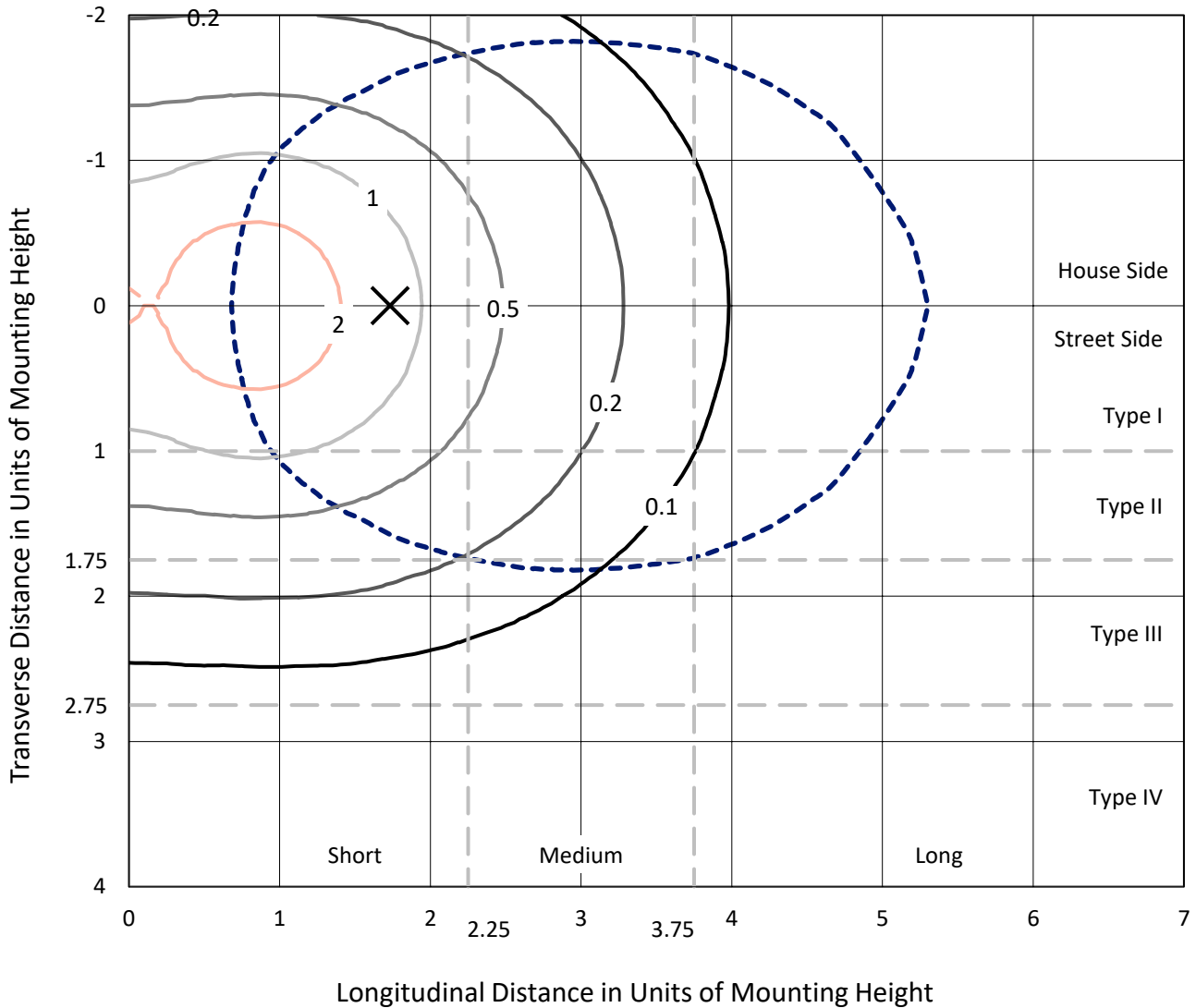
Input Watts (W): 178
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

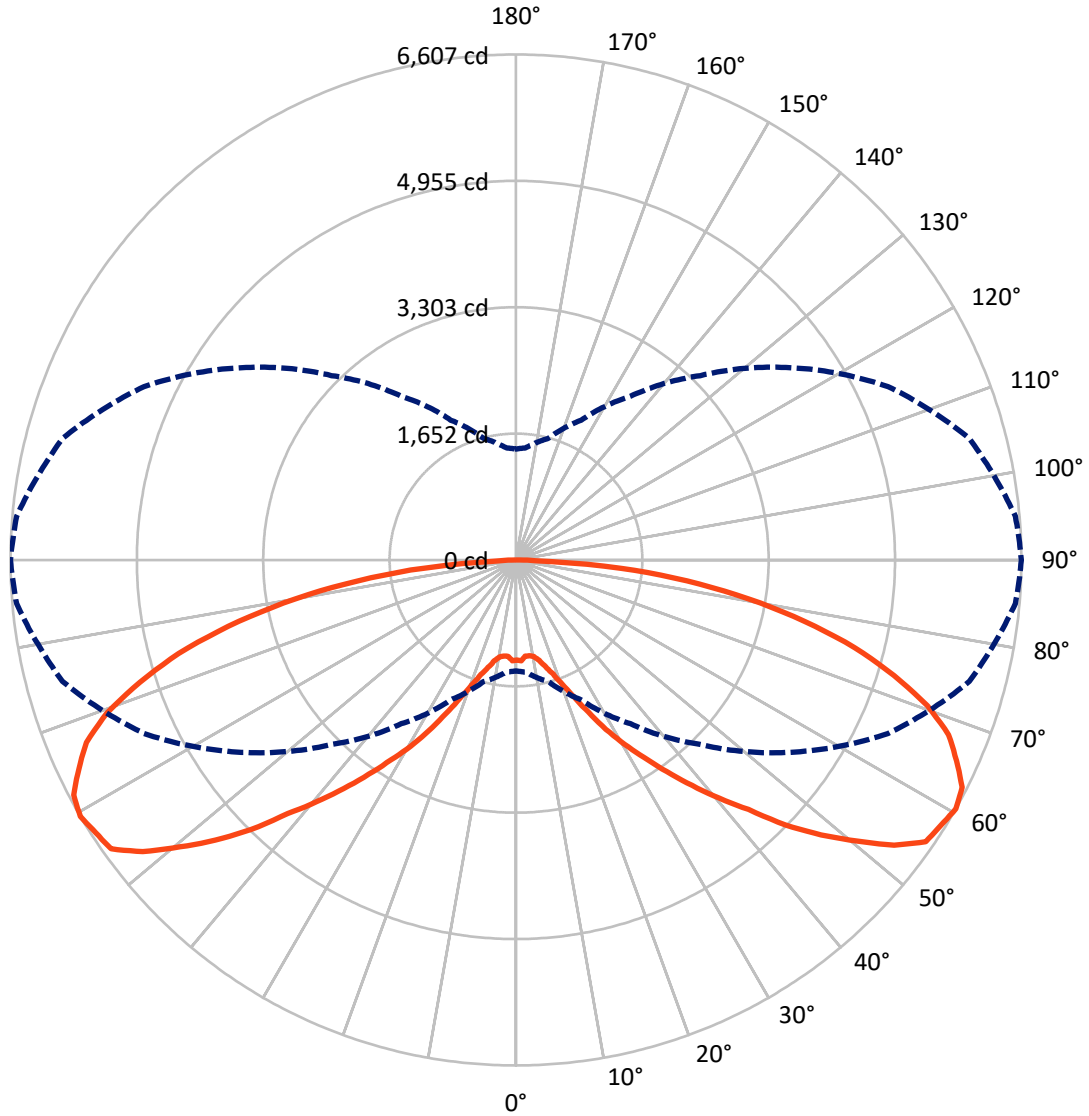
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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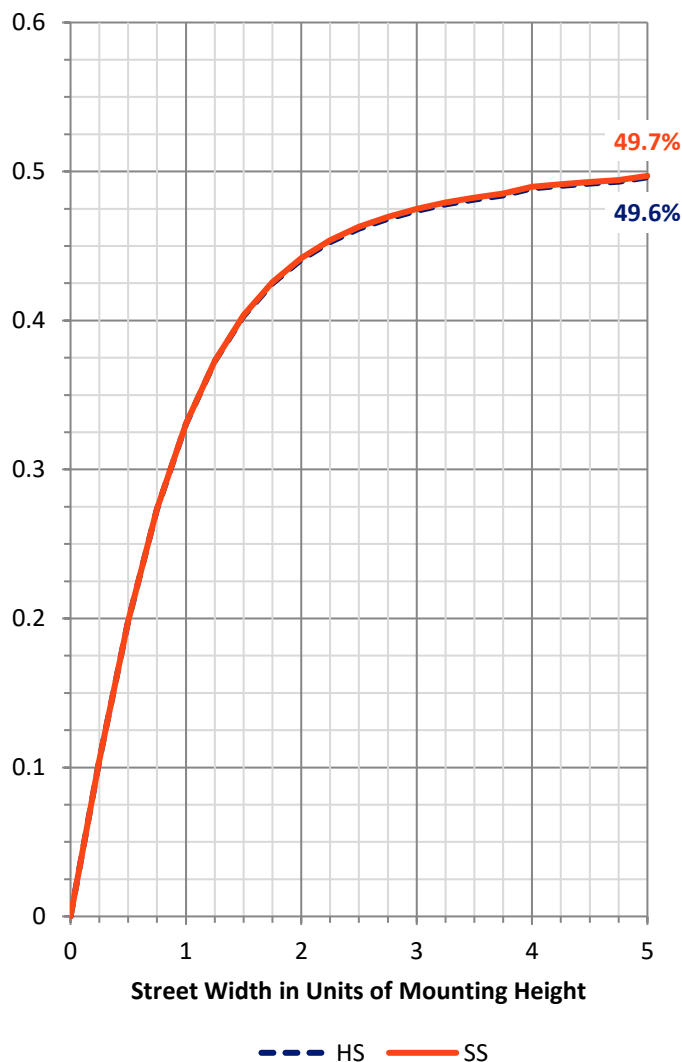
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7561.0	0.0	7561.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7561.0	0.0	7561.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	15122.0	0.0	15122.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.7	0.8
10°-20°	384.3	2.5
20°-30°	801.1	5.3
30°-40°	1464.8	9.7
40°-50°	2380.8	15.7
50°-60°	3307.0	21.9
60°-70°	3447.5	22.8
70°-80°	2503.9	16.6
80°-90°	710.8	4.7
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°	15122.0	100.0
0°-180°	15122.0	100.0

Coefficient of Utilization



REPORT NUMBER: P543221

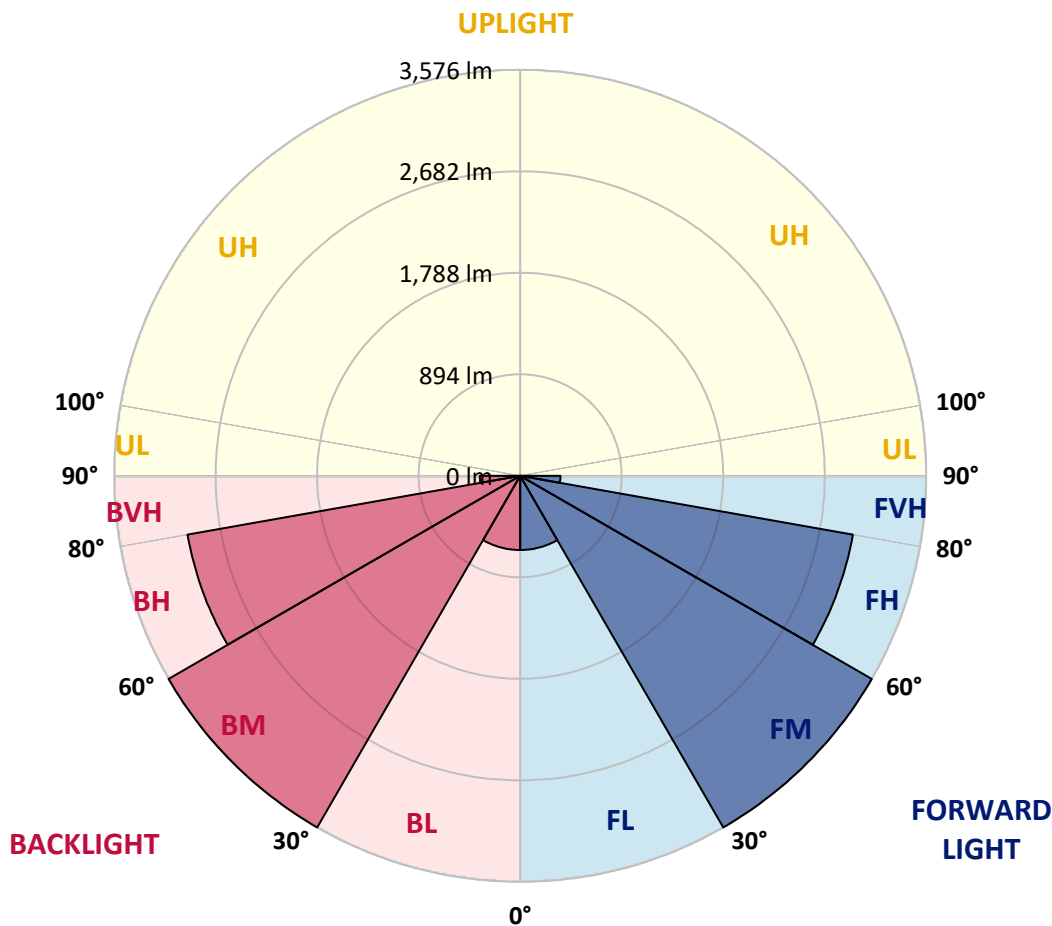
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	653.6	4.3			
FM (30°-60°)	3576.3	23.6			
FH (60°-80°)	2975.7	19.7			G2/5000
FVH (80°-90°)	355.4	2.4			G3/500
BL (0°-30°)	653.6	4.3	B2/1000		
BM (30°-60°)	3576.3	23.6	B3/5000		
BH (60°-80°)	2975.7	19.7	B4/5000		G4/5000
BVH (80°-90°)	355.4	2.4			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1307.7	1307.7	1307.7	1307.7	1307.7	1307.7	1307.7	1307.7	1307.7	1307.7	1307.7
2.5°	1308.6	1308.6	1308.6	1308.6	1310.4	1312.2	1315.9	1316.8	1318.6	1318.6	1318.6
5°	1293.9	1293.9	1291.2	1286.6	1282.1	1279.3	1277.5	1272.9	1268.3	1264.7	1263.8
7.5°	1273.8	1273.8	1269.3	1264.7	1260.1	1258.3	1258.3	1261.0	1262.9	1263.8	1263.8
10°	1258.3	1258.3	1255.5	1254.6	1257.4	1258.3	1261.9	1269.3	1277.5	1281.1	1282.1
12.5°	1246.4	1246.4	1250.0	1254.6	1267.4	1282.1	1301.3	1317.7	1337.8	1346.1	1345.2
15°	1237.2	1237.2	1246.4	1265.6	1293.0	1323.2	1361.6	1397.3	1426.5	1440.3	1448.5
17.5°	1231.8	1233.6	1250.0	1283.9	1330.5	1382.6	1436.6	1495.1	1543.6	1565.5	1564.6
20°	1228.1	1231.8	1258.3	1310.4	1379.0	1458.5	1545.4	1632.3	1693.6	1727.4	1732.9
22.5°	1240.0	1243.6	1278.4	1346.1	1442.1	1563.7	1688.1	1795.1	1894.7	1944.1	1947.8
25°	1251.9	1258.3	1305.8	1395.4	1519.8	1676.2	1841.7	2001.7	2120.6	2196.5	2202.9
27.5°	1273.8	1280.2	1334.2	1446.7	1613.1	1815.2	2036.5	2232.2	2392.2	2493.7	2505.6
30°	1295.8	1302.2	1368.0	1501.5	1707.3	1949.6	2219.4	2465.3	2662.9	2767.1	2797.3
32.5°	1317.7	1326.9	1404.6	1567.4	1813.3	2103.2	2425.1	2708.6	2942.7	3073.5	3078.9
35°	1347.0	1358.9	1448.5	1637.8	1914.9	2258.7	2621.7	2967.4	3226.2	3391.7	3398.1
37.5°	1373.5	1383.6	1492.4	1705.4	2029.2	2416.0	2838.4	3220.7	3557.2	3700.8	3739.2
40°	1404.6	1423.8	1536.3	1776.8	2131.6	2567.8	3055.2	3506.0	3857.1	4068.4	4094.9
42.5°	1441.2	1454.0	1581.1	1846.3	2243.1	2732.4	3285.6	3802.3	4215.6	4435.1	4457.9
45°	1481.4	1495.1	1638.7	1924.0	2367.5	2933.5	3555.4	4154.3	4643.6	4906.0	4940.8
47.5°	1514.3	1530.8	1678.0	2001.7	2482.7	3091.7	3805.9	4525.6	5047.7	5347.7	5370.5
50°	1527.1	1558.2	1714.6	2051.1	2564.1	3244.5	4032.7	4804.5	5416.3	5754.6	5775.6
52.5°	1550.0	1563.7	1739.3	2090.4	2658.3	3378.0	4264.1	5099.0	5772.9	6137.8	6191.7
55°	1539.9	1553.6	1724.6	2105.1	2679.3	3447.5	4374.7	5312.9	6010.7	6402.0	6500.8
57.5°	1499.7	1528.0	1699.0	2068.5	2672.9	3458.4	4430.5	5368.7	6114.9	6560.2	6547.4
60°	1449.4	1471.3	1646.9	2016.4	2612.6	3408.1	4382.9	5365.1	6135.0	6552.9	6606.9
62.5°	1379.0	1402.8	1573.8	1919.4	2545.8	3331.3	4348.2	5262.6	6081.1	6468.8	6546.5
65°	1288.5	1312.2	1476.8	1838.0	2373.9	3156.7	4134.2	5175.8	5930.2	6306.0	6328.9
67.5°	1184.2	1195.2	1358.0	1678.9	2246.8	2995.7	3953.2	4861.2	5582.7	6009.7	6100.3
70°	1058.0	1083.6	1220.8	1529.9	2028.2	2719.6	3630.4	4528.3	5279.1	5632.1	5707.1
72.5°	917.2	943.7	1067.2	1341.5	1796.9	2445.2	3271.9	4147.0	4805.4	5163.0	5169.4
75°	767.2	785.5	893.4	1130.3	1520.7	2106.0	2842.1	3597.4	4202.8	4543.0	4576.8
77.5°	610.9	627.3	707.8	909.0	1236.3	1734.7	2352.9	3049.7	3533.4	3814.2	3859.9
80°	442.6	457.2	521.2	672.1	941.9	1338.8	1856.3	2381.2	2790.9	3034.1	3089.0
82.5°	285.3	288.1	335.6	441.7	619.1	899.8	1300.3	1715.5	2016.4	2212.0	2254.1
85°	138.1	138.1	162.8	216.7	305.4	490.1	740.7	1034.2	1225.4	1358.9	1383.6
87.5°	34.7	35.7	37.5	38.4	44.8	54.0	85.0	172.8	262.4	289.0	252.4
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)