

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: P543186

Luminaire Tested: **TT-D8-830-U-RW-PM**

Issue Date: 6/22/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P543186  
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-D8-830-U-RW-PM  
Description: TOPTIER LED SITE LUMINAIRE  
3000K, 80 CRI LEDS AND RECTANGULAR DISTRIBUTION  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

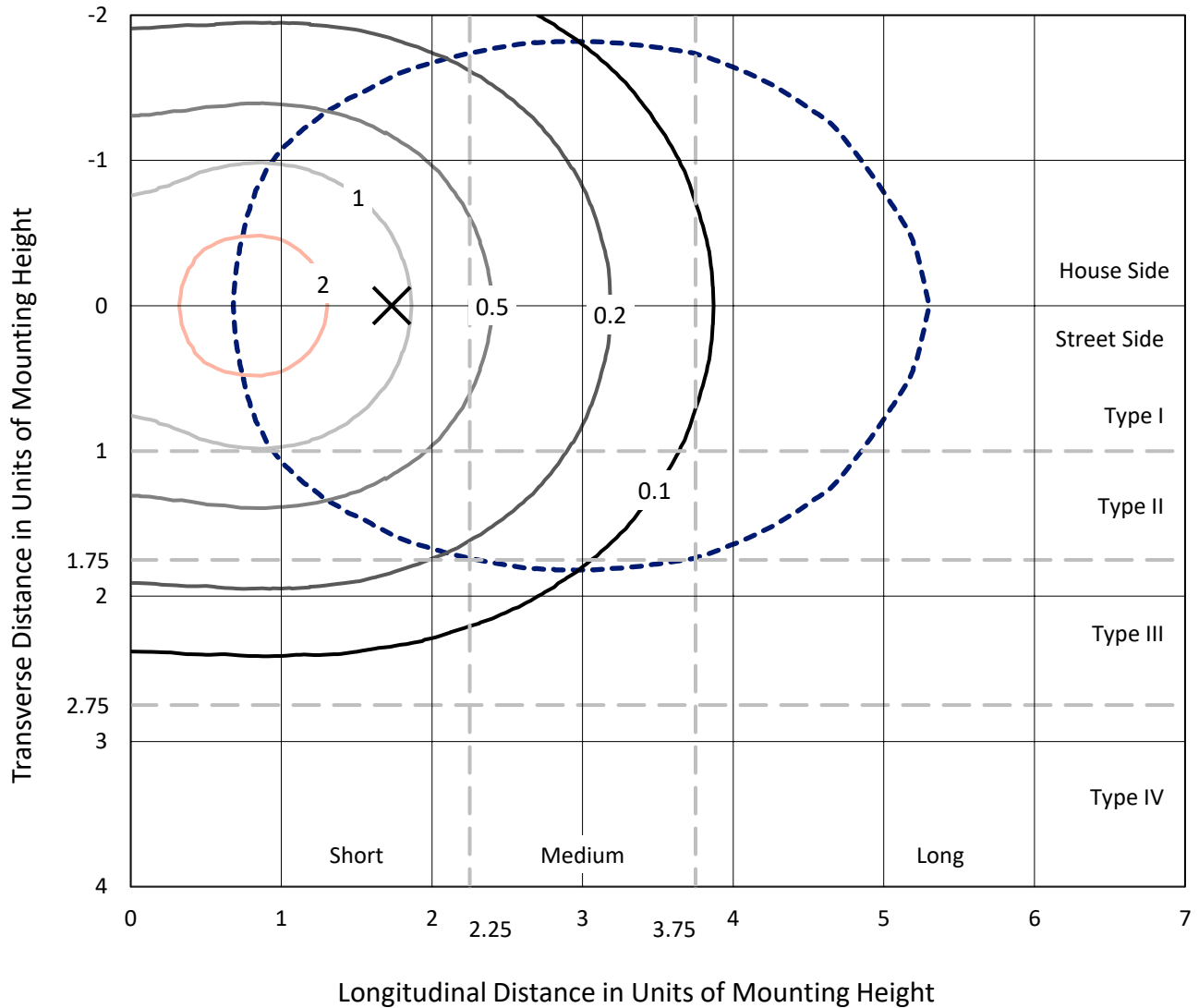
Lumens per Lamp: N/A  
Luminaire Lumens: 13619 lumens  
Efficiency: N/A  
Efficacy: 89.2 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 152.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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



REPORT NUMBER: P543186  
 CATALOG NUMBER: TT-D8-830-U-RW-PM

### Iso-Footcandle Lines of Horizontal Illumination

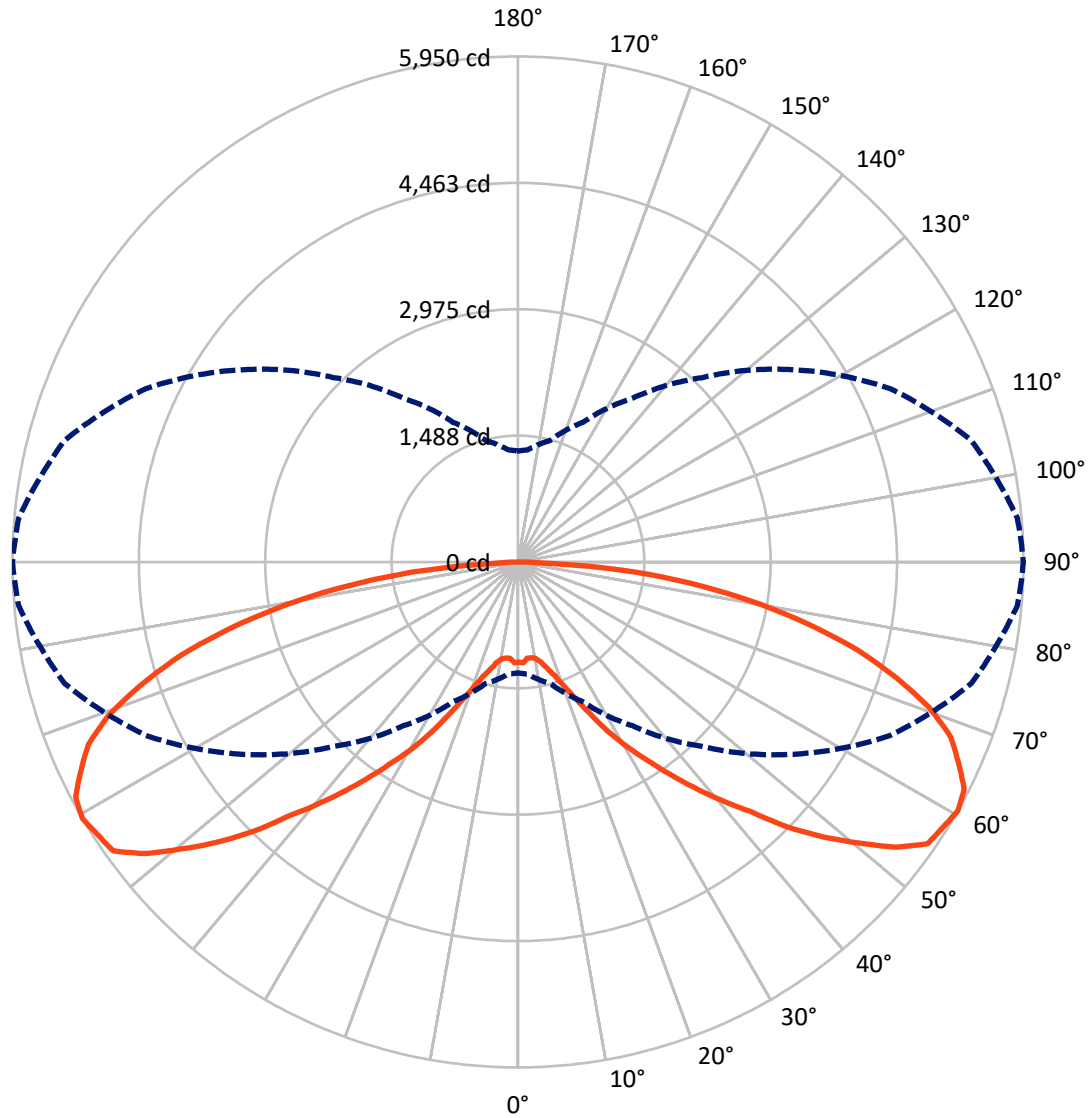
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc  
 Type II - Short - N/A

REPORT NUMBER: P543186  
CATALOG NUMBER: TT-D8-830-U-RW-PM

### Luminous Intensity Polar Plot



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



REPORT NUMBER: P543186  
 CATALOG NUMBER: TT-D8-830-U-RW-PM

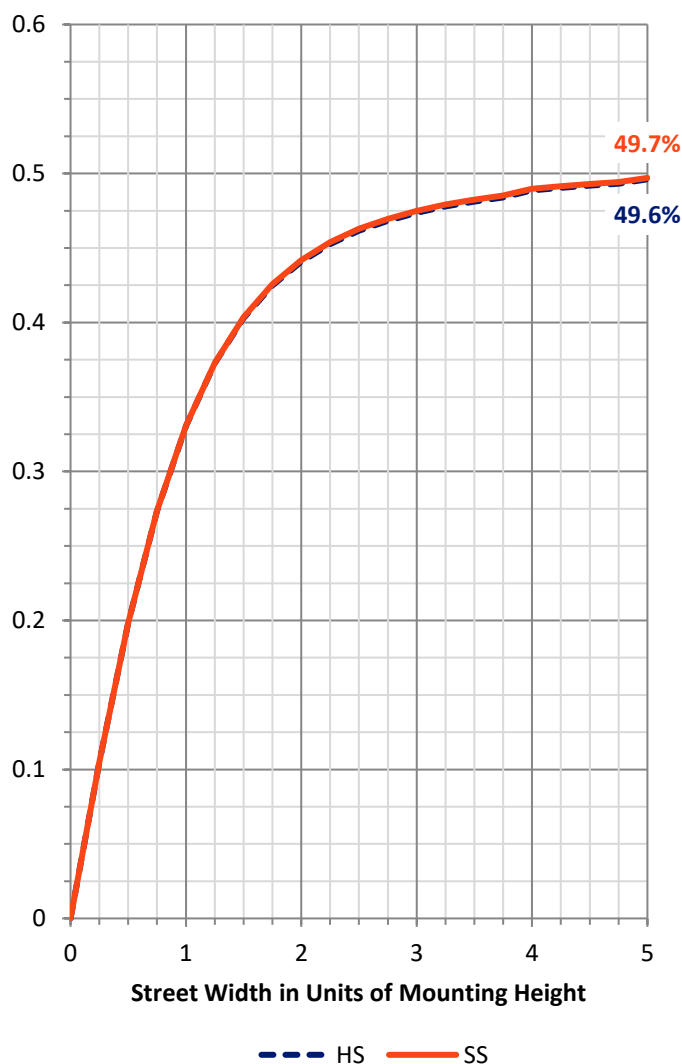
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6809.5	0.0	6809.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6809.5	0.0	6809.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13619.0	0.0	13619.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.6	0.8
10°-20°	346.1	2.5
20°-30°	721.5	5.3
30°-40°	1319.2	9.7
40°-50°	2144.2	15.7
50°-60°	2978.3	21.9
60°-70°	3104.8	22.8
70°-80°	2255.1	16.6
80°-90°	640.2	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°	13619.0	100.0
0°-180°	13619.0	100.0

**Coefficient of Utilization**

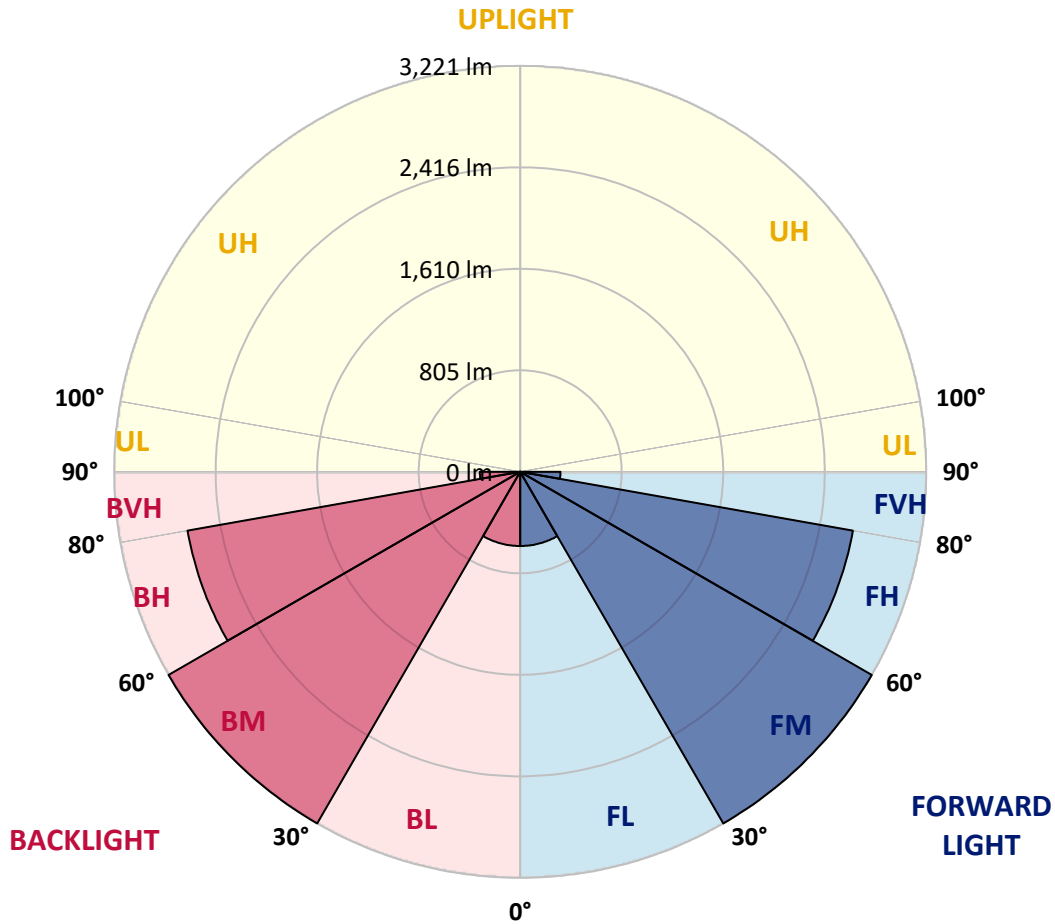


REPORT NUMBER: P543186  
 CATALOG NUMBER: TT-D8-830-U-RW-PM

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	588.6	4.3			
FM (30°-60°)	3220.9	23.6			
FH (60°-80°)	2680.0	19.7			G2/5000
FVH (80°-90°)	320.1	2.4			G3/500
BL (0°-30°)	588.6	4.3	B2/1000		
BM (30°-60°)	3220.9	23.6	B3/5000		
BH (60°-80°)	2680.0	19.7	B4/5000		G4/5000
BVH (80°-90°)	320.1	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





REPORT NUMBER: P543186

CATALOG NUMBER: TT-D8-830-U-RW-PM

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1177.7	1177.7	1177.7	1177.7	1177.7	1177.7	1177.7	1177.7	1177.7	1177.7	1177.7
2.5°	1178.5	1178.5	1178.5	1178.5	1180.2	1181.8	1185.1	1185.9	1187.6	1187.6	1187.6
5°	1165.3	1165.3	1162.9	1158.7	1154.6	1152.2	1150.5	1146.4	1142.3	1139.0	1138.2
7.5°	1147.2	1147.2	1143.1	1139.0	1134.9	1133.2	1133.2	1135.7	1137.3	1138.2	1138.2
10°	1133.2	1133.2	1130.7	1129.9	1132.4	1133.2	1136.5	1143.1	1150.5	1153.8	1154.6
12.5°	1122.5	1122.5	1125.8	1129.9	1141.5	1154.6	1171.9	1186.7	1204.9	1212.3	1211.5
15°	1114.3	1114.3	1122.5	1139.8	1164.5	1191.7	1226.3	1258.4	1284.8	1297.1	1304.5
17.5°	1109.3	1111.0	1125.8	1156.3	1198.3	1245.2	1293.8	1346.5	1390.2	1409.9	1409.1
20°	1106.0	1109.3	1133.2	1180.2	1241.9	1313.6	1391.8	1470.1	1525.2	1555.7	1560.6
22.5°	1116.7	1120.0	1151.3	1212.3	1298.8	1408.3	1520.3	1616.6	1706.4	1750.9	1754.2
25°	1127.5	1133.2	1176.0	1256.8	1368.8	1509.6	1658.6	1802.8	1909.8	1978.2	1984.0
27.5°	1147.2	1153.0	1201.6	1302.9	1452.8	1634.8	1834.1	2010.3	2154.4	2245.8	2256.6
30°	1167.0	1172.7	1232.0	1352.3	1537.6	1755.8	1998.8	2220.3	2398.2	2492.1	2519.3
32.5°	1186.7	1195.0	1265.0	1411.6	1633.1	1894.2	2184.1	2439.4	2650.2	2768.0	2772.9
35°	1213.1	1223.8	1304.5	1475.0	1724.5	2034.2	2361.1	2672.4	2905.5	3054.6	3060.3
37.5°	1237.0	1246.0	1344.0	1535.9	1827.5	2175.8	2556.3	2900.6	3203.6	3332.9	3367.5
40°	1265.0	1282.3	1383.6	1600.2	1919.7	2312.6	2751.5	3157.5	3473.8	3664.0	3687.9
42.5°	1297.9	1309.5	1423.9	1662.8	2020.2	2460.8	2959.0	3424.4	3796.6	3994.3	4014.8
45°	1334.2	1346.5	1475.8	1732.8	2132.2	2642.0	3202.0	3741.4	4182.0	4418.4	4449.7
47.5°	1363.8	1378.6	1511.2	1802.8	2236.0	2784.5	3427.7	4075.8	4546.0	4816.2	4836.8
50°	1375.3	1403.3	1544.2	1847.2	2309.3	2922.0	3631.9	4327.0	4877.9	5182.7	5201.6
52.5°	1395.9	1408.3	1566.4	1882.7	2394.1	3042.2	3840.3	4592.2	5199.1	5527.7	5576.3
55°	1386.9	1399.2	1553.2	1895.8	2413.0	3104.8	3939.9	4784.9	5413.3	5765.7	5854.7
57.5°	1350.6	1376.2	1530.2	1862.9	2407.3	3114.7	3990.1	4835.1	5507.1	5908.2	5896.7
60°	1305.3	1325.1	1483.2	1815.9	2352.9	3069.4	3947.3	4831.8	5525.3	5901.6	5950.2
62.5°	1241.9	1263.3	1417.3	1728.6	2292.8	3000.2	3916.0	4739.6	5476.7	5825.9	5895.9
65°	1160.4	1181.8	1330.0	1655.4	2138.0	2842.9	3723.3	4661.3	5340.8	5679.3	5699.9
67.5°	1066.5	1076.4	1223.0	1512.1	2023.5	2698.0	3560.2	4378.0	5027.8	5412.4	5494.0
70°	952.9	975.9	1099.5	1377.8	1826.7	2449.3	3269.5	4078.3	4754.4	5072.3	5139.8
72.5°	826.0	849.9	961.1	1208.2	1618.3	2202.2	2946.7	3734.8	4327.8	4649.8	4655.6
75°	691.0	707.4	804.6	1017.9	1369.6	1896.7	2559.6	3239.9	3785.1	4091.4	4121.9
77.5°	550.1	565.0	637.4	818.6	1113.5	1562.3	2119.0	2746.6	3182.2	3435.1	3476.2
80°	398.6	411.8	469.4	605.3	848.3	1205.7	1671.8	2144.5	2513.5	2732.6	2782.0
82.5°	257.0	259.4	302.2	397.8	557.5	810.4	1171.1	1545.0	1815.9	1992.2	2030.1
85°	124.4	124.4	146.6	195.2	275.1	441.4	667.1	931.4	1103.6	1223.8	1246.0
87.5°	31.3	32.1	33.8	34.6	40.4	48.6	76.6	155.7	236.4	260.2	227.3
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)