

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: P543151

Luminaire Tested: **TT-D7-830-U-RW-PM**

Issue Date: 6/22/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P543151  
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-D7-830-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: 11977 lumens  
Efficiency: N/A  
Efficacy: 94.2 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

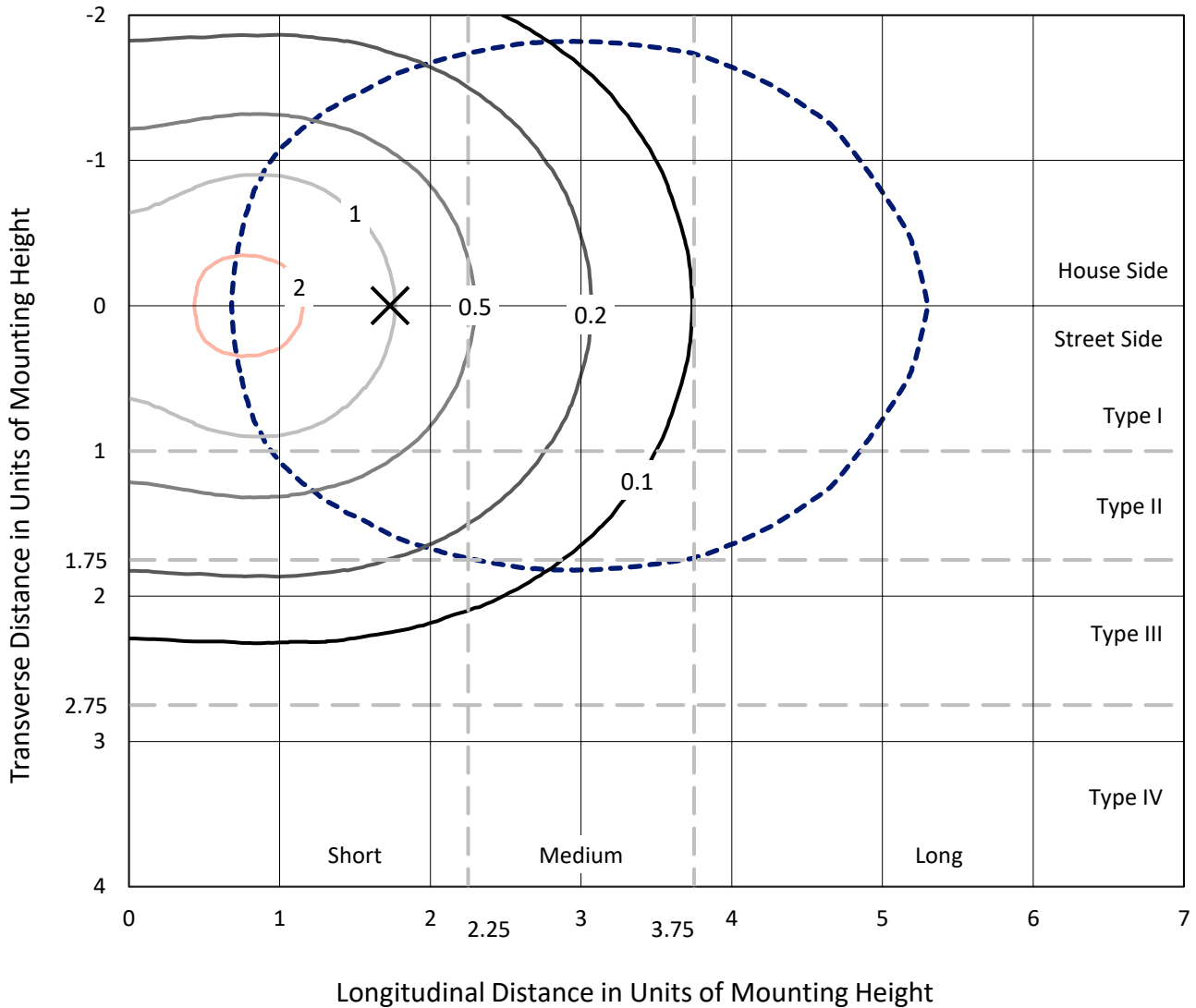
Input Watts (W): 127.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

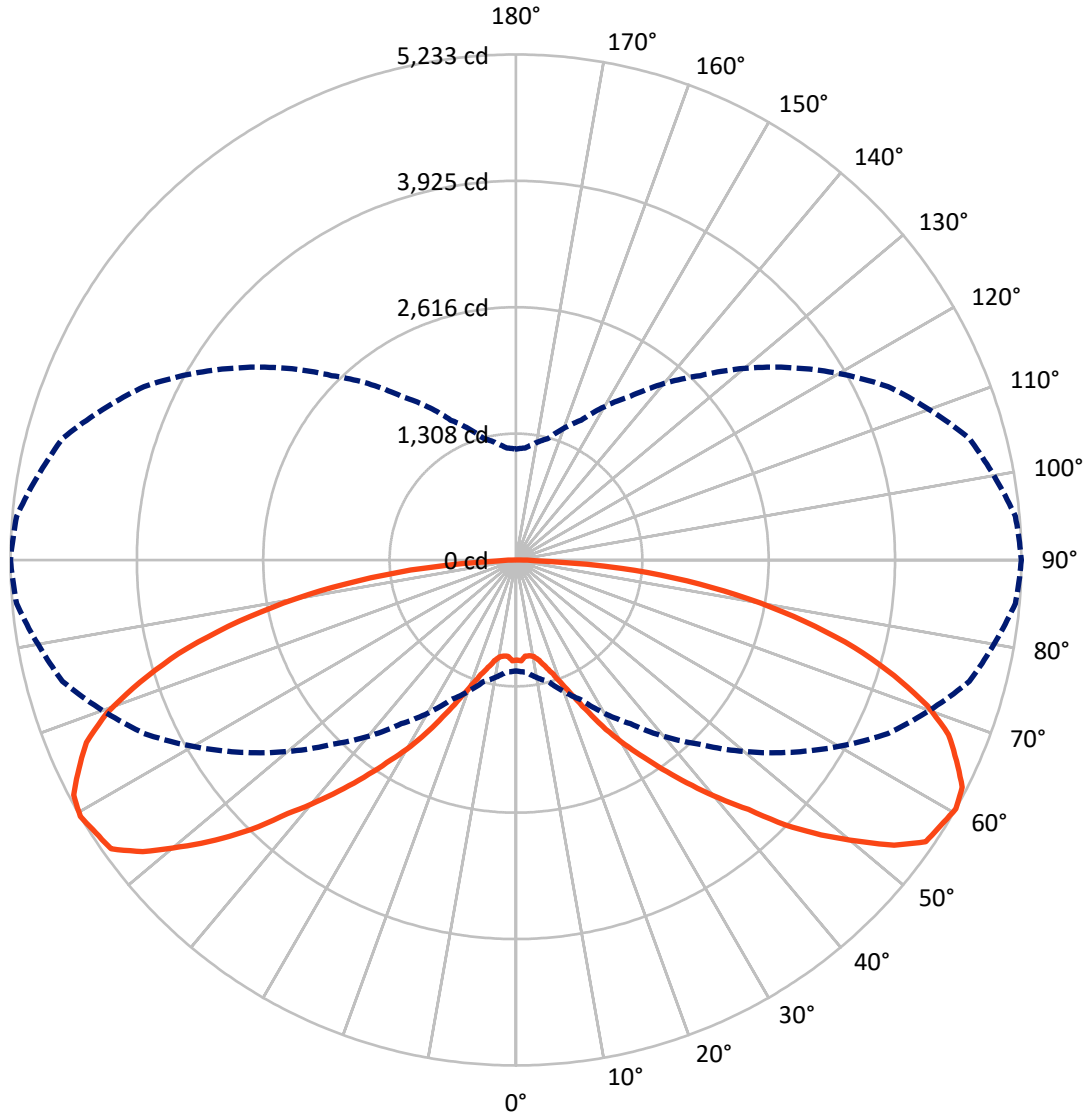
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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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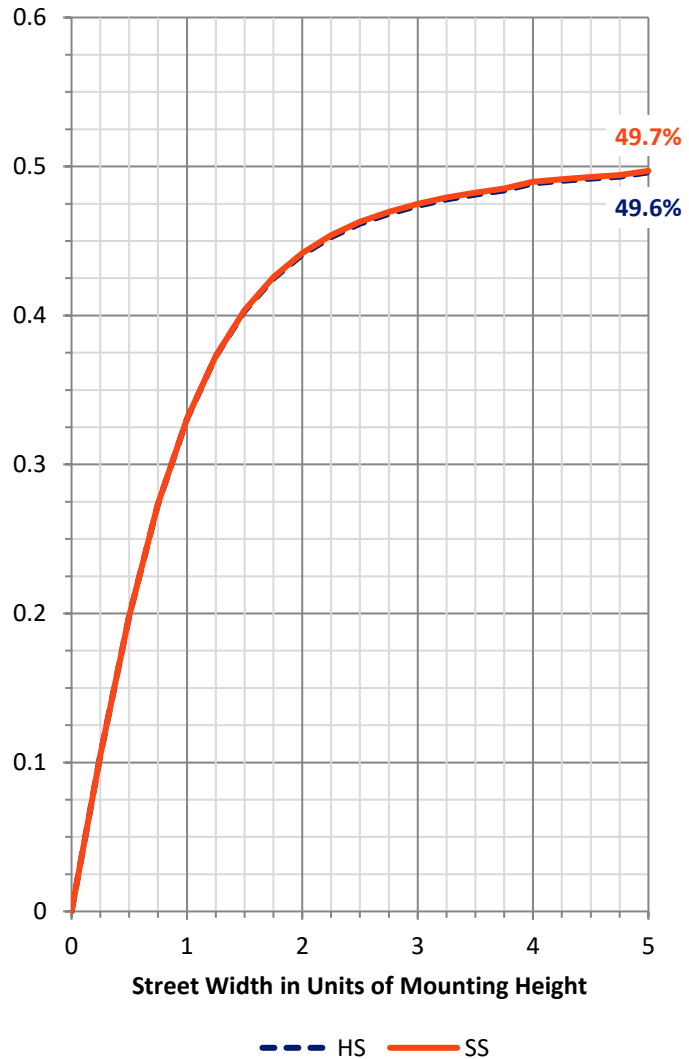
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5988.5	0.0	5988.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5988.5	0.0	5988.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11977.0	0.0	11977.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.4	0.8
10°-20°	304.3	2.5
20°-30°	634.5	5.3
30°-40°	1160.1	9.7
40°-50°	1885.7	15.7
50°-60°	2619.2	21.9
60°-70°	2730.5	22.8
70°-80°	1983.2	16.6
80°-90°	563.0	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°	11977.0	100.0
0°-180°	11977.0	100.0

**Coefficient of Utilization**

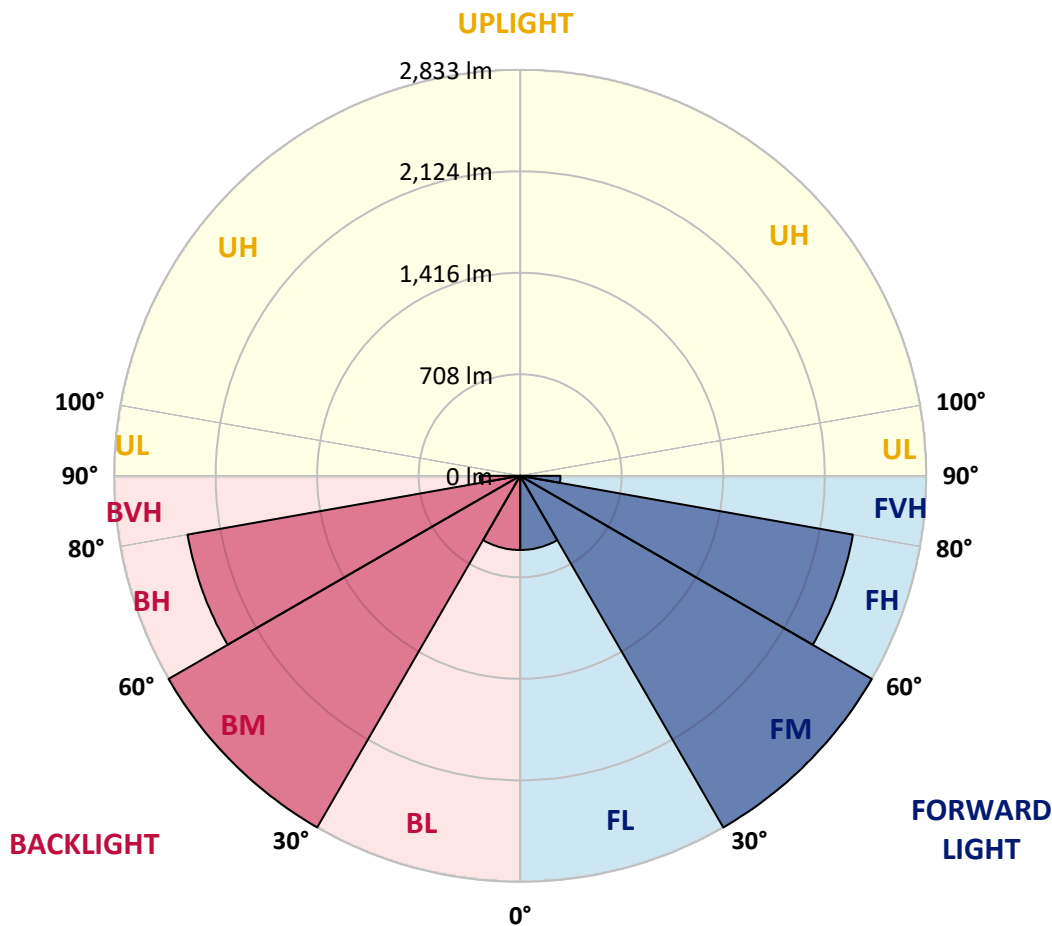


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	517.6	4.3			
FM (30°-60°)	2832.5	23.6			
FH (60°-80°)	2356.8	19.7			G2/5000
FVH (80°-90°)	281.5	2.4			G3/500
BL (0°-30°)	517.6	4.3	B2/1000		
BM (30°-60°)	2832.5	23.6	B3/5000		
BH (60°-80°)	2356.8	19.7	B3/2500		G3/2500
BVH (80°-90°)	281.5	2.4			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1035.7	1035.7	1035.7	1035.7	1035.7	1035.7	1035.7	1035.7	1035.7	1035.7	1035.7
2.5°	1036.4	1036.4	1036.4	1036.4	1037.9	1039.3	1042.2	1042.9	1044.4	1044.4	1044.4
5°	1024.8	1024.8	1022.7	1019.0	1015.4	1013.2	1011.8	1008.2	1004.6	1001.7	1000.9
7.5°	1008.9	1008.9	1005.3	1001.7	998.0	996.6	996.6	998.8	1000.2	1000.9	1000.9
10°	996.6	996.6	994.4	993.7	995.9	996.6	999.5	1005.3	1011.8	1014.7	1015.4
12.5°	987.2	987.2	990.1	993.7	1003.8	1015.4	1030.6	1043.7	1059.6	1066.1	1065.4
15°	979.9	979.9	987.2	1002.4	1024.1	1048.0	1078.4	1106.7	1129.9	1140.7	1147.2
17.5°	975.6	977.0	990.1	1016.9	1053.8	1095.1	1137.8	1184.2	1222.6	1239.9	1239.2
20°	972.7	975.6	996.6	1037.9	1092.2	1155.2	1224.0	1292.8	1341.3	1368.1	1372.5
22.5°	982.1	985.0	1012.5	1066.1	1142.2	1238.5	1337.0	1421.7	1500.7	1539.8	1542.7
25°	991.5	996.6	1034.3	1105.2	1203.7	1327.6	1458.7	1585.4	1679.6	1739.7	1744.8
27.5°	1008.9	1014.0	1056.7	1145.8	1277.6	1437.7	1612.9	1767.9	1894.7	1975.1	1984.5
30°	1026.3	1031.4	1083.5	1189.2	1352.2	1544.1	1757.8	1952.6	2109.1	2191.6	2215.5
32.5°	1043.7	1050.9	1112.5	1241.4	1436.2	1665.8	1920.8	2145.3	2330.7	2434.3	2438.6
35°	1066.8	1076.3	1147.2	1297.2	1516.6	1788.9	2076.5	2350.2	2555.2	2686.3	2691.4
37.5°	1087.8	1095.8	1182.0	1350.8	1607.1	1913.5	2248.1	2550.9	2817.4	2931.1	2961.5
40°	1112.5	1127.7	1216.8	1407.2	1688.3	2033.7	2419.8	2776.8	3054.9	3222.3	3243.3
42.5°	1141.4	1151.6	1252.3	1462.3	1776.6	2164.1	2602.3	3011.5	3338.9	3512.7	3530.8
45°	1173.3	1184.2	1297.9	1523.9	1875.1	2323.4	2815.9	3290.3	3677.8	3885.7	3913.2
47.5°	1199.4	1212.4	1329.0	1585.4	1966.4	2448.7	3014.4	3584.4	3997.9	4235.5	4253.6
50°	1209.5	1234.1	1358.0	1624.5	2030.8	2569.7	3194.0	3805.3	4289.8	4557.8	4574.5
52.5°	1227.6	1238.5	1377.6	1655.7	2105.4	2675.4	3377.2	4038.5	4572.3	4861.3	4904.0
55°	1219.7	1230.5	1366.0	1667.3	2122.1	2730.5	3464.9	4208.0	4760.6	5070.6	5148.8
57.5°	1187.8	1210.2	1345.7	1638.3	2117.0	2739.2	3509.1	4252.2	4843.2	5195.9	5185.7
60°	1148.0	1165.3	1304.4	1597.0	2069.2	2699.3	3471.4	4249.3	4859.1	5190.1	5232.8
62.5°	1092.2	1111.0	1246.5	1520.2	2016.4	2638.5	3443.9	4168.1	4816.4	5123.5	5185.0
65°	1020.5	1039.3	1169.7	1455.8	1880.2	2500.2	3274.4	4099.3	4696.9	4994.5	5012.6
67.5°	937.9	946.6	1075.5	1329.8	1779.5	2372.7	3131.0	3850.2	4421.6	4759.9	4831.6
70°	838.0	858.3	966.9	1211.7	1606.4	2154.0	2875.3	3586.6	4181.2	4460.7	4520.1
72.5°	726.4	747.4	845.2	1062.5	1423.2	1936.7	2591.4	3284.5	3806.0	4089.2	4094.3
75°	607.7	622.1	707.6	895.2	1204.5	1668.0	2251.0	2849.3	3328.7	3598.1	3624.9
77.5°	483.8	496.8	560.6	719.9	979.2	1373.9	1863.5	2415.4	2798.6	3020.9	3057.1
80°	350.5	362.1	412.8	532.3	746.0	1060.3	1470.3	1886.0	2210.5	2403.1	2446.6
82.5°	226.0	228.1	265.8	349.8	490.3	712.7	1029.9	1358.7	1597.0	1752.0	1785.3
85°	109.4	109.4	128.9	171.7	241.9	388.2	586.7	819.1	970.5	1076.3	1095.8
87.5°	27.5	28.2	29.7	30.4	35.5	42.7	67.4	136.9	207.9	228.9	199.9
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)