

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: P543152

Luminaire Tested: **TT-D7-830-U-5WQ-PM**

Issue Date: 6/22/2021

Test Information

Test Method: LM-79-08
Report Number: P543152
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2012-100-4)
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-5WQ-PM
Description: TOPTIER LED SITE LUMINAIRE
3000K, 80 CRI LEDS AND WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12350 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G3

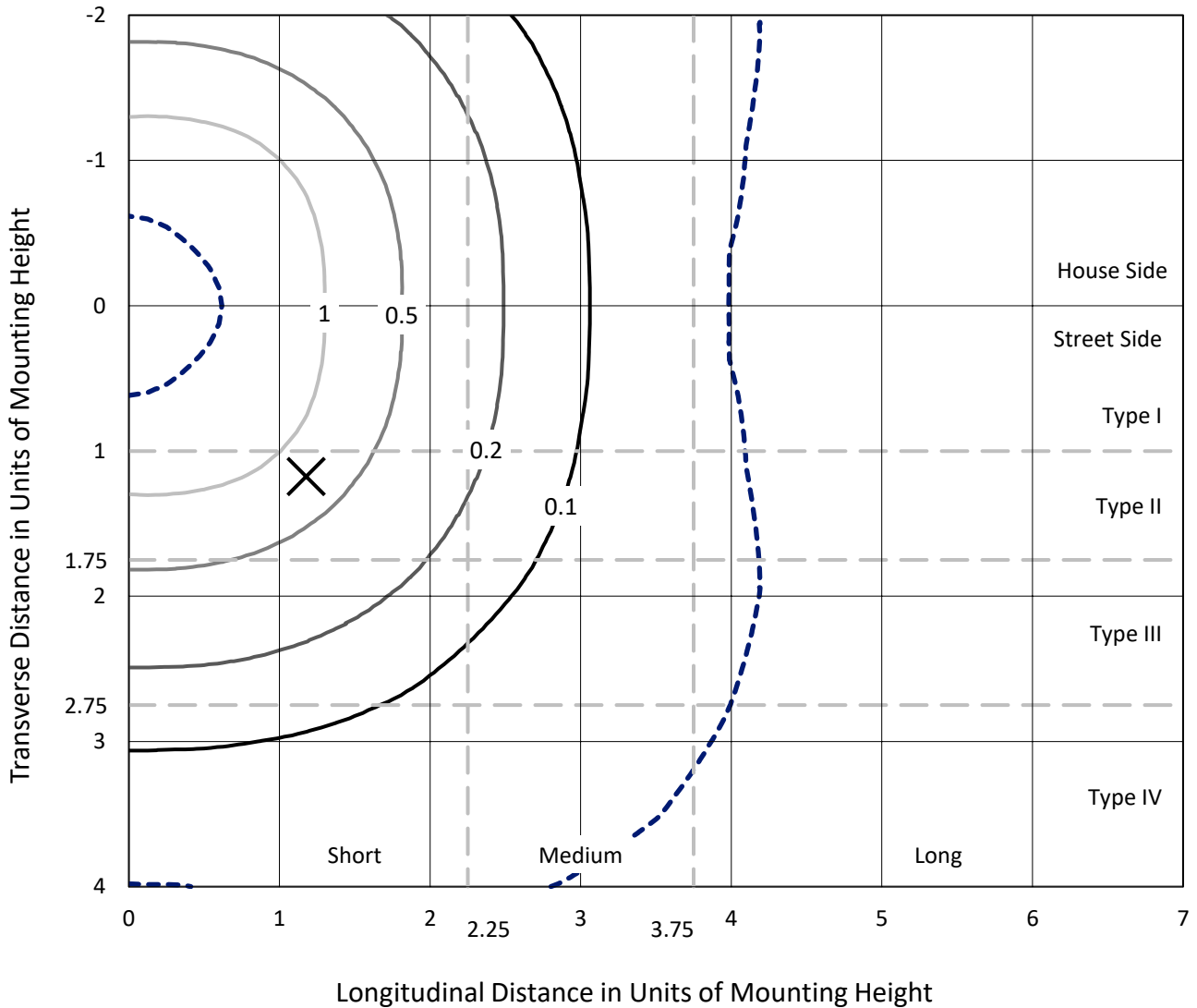
Input Watts (W): 124.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

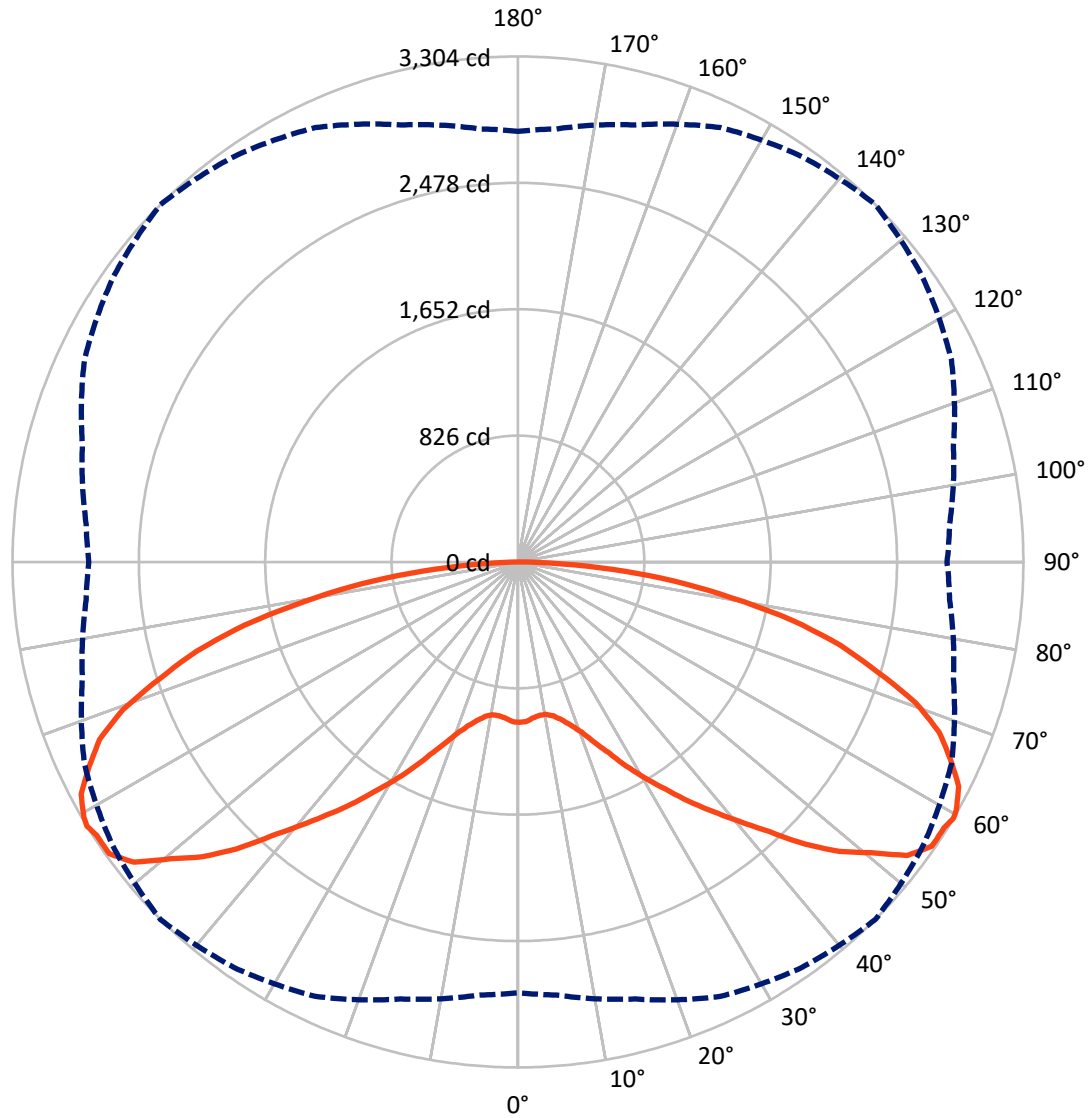
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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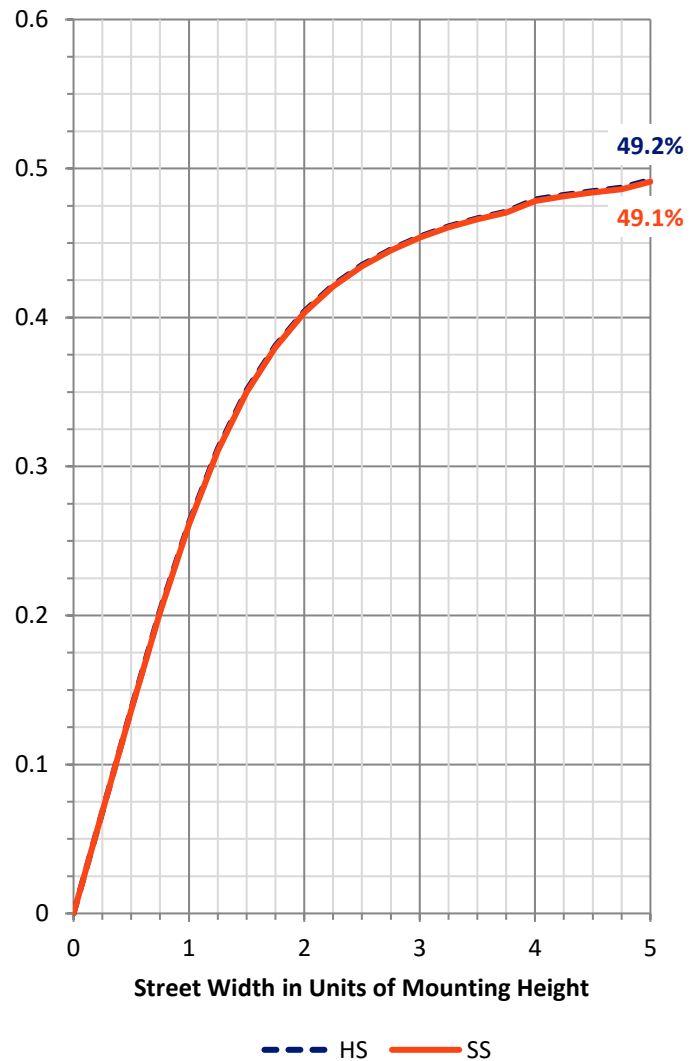
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6175.0	0.0	6175.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6175.0	0.0	6175.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12350.0	0.0	12350.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.0	0.8
10°-20°	306.6	2.5
20°-30°	640.8	5.2
30°-40°	1178.8	9.5
40°-50°	1939.8	15.7
50°-60°	2706.1	21.9
60°-70°	2818.2	22.8
70°-80°	2053.8	16.6
80°-90°	608.9	4.9
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°	12350.0	100.0
0°-180°	12350.0	100.0



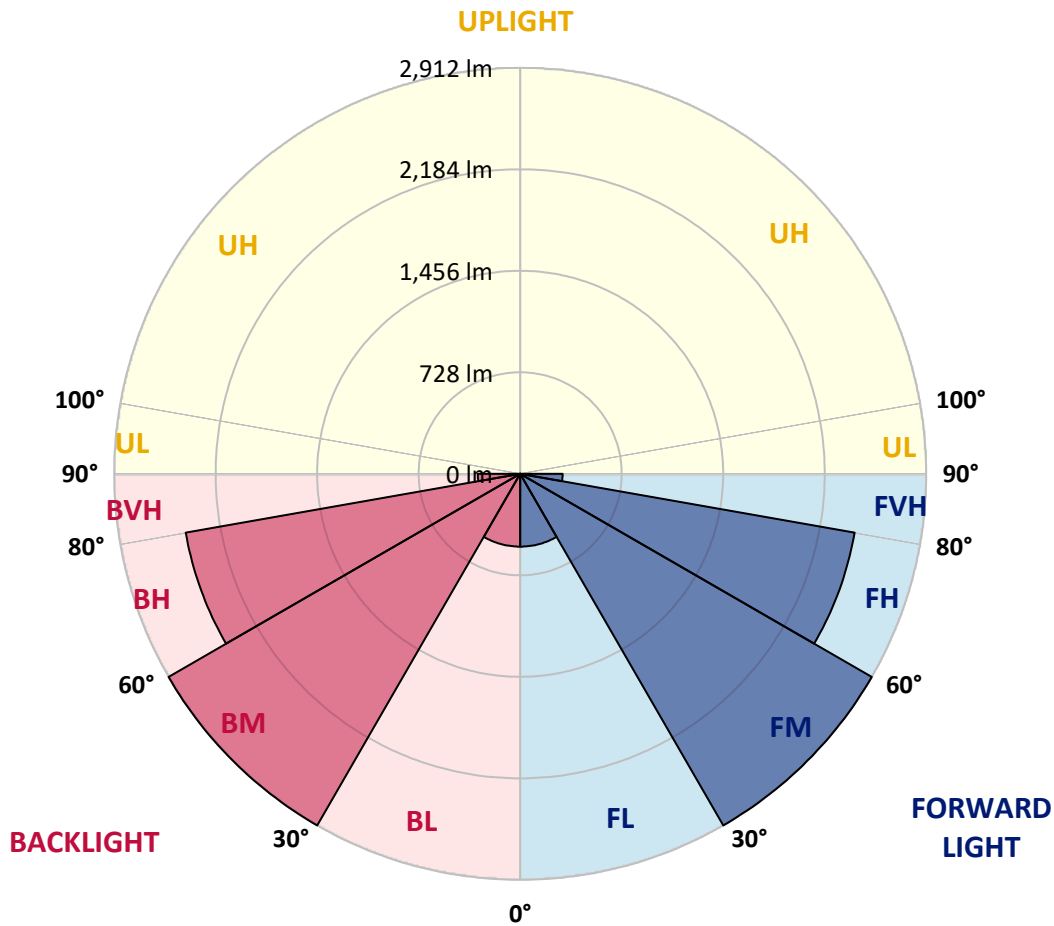
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	522.2	4.2			
FM (30°-60°)	2912.3	23.6			
FH (60°-80°)	2436.0	19.7			G2/5000
FVH (80°-90°)	304.4	2.5			G3/500
BL (0°-30°)	522.2	4.2	B2/1000		
BM (30°-60°)	2912.3	23.6	B3/5000		
BH (60°-80°)	2436.0	19.7	B3/2500		G2/5000
BVH (80°-90°)	304.4	2.5			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 V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3
2.5°	1042.7	1043.3	1043.3	1043.8	1043.3	1043.8	1042.7	1042.1	1041.6	1042.1	1041.6
5°	1018.5	1020.2	1020.2	1021.9	1022.4	1024.1	1023.0	1022.4	1020.7	1020.2	1019.6
7.5°	1001.6	1002.2	1003.9	1007.2	1010.0	1012.3	1011.7	1009.5	1006.7	1004.4	1003.9
10°	1001.0	1000.5	1002.2	1005.0	1010.6	1012.3	1011.7	1007.8	1005.5	1003.9	1003.9
12.5°	1019.1	1018.5	1020.7	1024.7	1032.0	1032.0	1033.1	1026.9	1022.4	1021.3	1021.3
15°	1054.5	1052.8	1058.5	1061.8	1070.3	1070.3	1070.9	1063.5	1058.5	1056.8	1056.8
17.5°	1102.4	1100.7	1106.9	1112.5	1121.0	1121.5	1122.1	1114.2	1107.4	1104.6	1105.8
20°	1164.3	1162.1	1167.7	1175.6	1187.4	1186.8	1186.3	1178.4	1169.9	1166.6	1167.7
22.5°	1240.9	1243.7	1252.1	1262.8	1277.5	1279.7	1276.4	1265.7	1253.3	1248.2	1248.8
25°	1333.8	1336.6	1346.7	1363.6	1383.3	1382.8	1380.5	1364.7	1346.7	1339.4	1341.1
27.5°	1446.9	1448.6	1463.8	1481.3	1508.3	1511.1	1506.1	1481.3	1462.7	1448.1	1446.4
30°	1560.1	1562.4	1577.0	1602.3	1631.6	1638.9	1624.9	1601.2	1577.0	1561.2	1558.4
32.5°	1683.4	1688.5	1702.0	1726.8	1765.6	1769.5	1761.1	1727.3	1699.7	1685.7	1685.1
35°	1805.0	1812.3	1831.5	1865.8	1905.8	1919.9	1900.7	1865.8	1833.2	1806.7	1803.9
37.5°	1939.6	1949.2	1969.4	2013.9	2053.9	2067.4	2049.9	2011.1	1965.5	1942.4	1940.1
40°	2069.1	2084.3	2122.0	2168.7	2216.0	2227.8	2215.5	2163.7	2115.2	2083.7	2063.4
42.5°	2210.4	2220.0	2263.9	2335.4	2382.7	2409.1	2379.9	2332.0	2262.7	2217.7	2213.2
45°	2370.8	2400.7	2437.8	2523.4	2601.7	2631.0	2600.0	2518.4	2431.1	2395.1	2374.2
47.5°	2520.6	2543.1	2606.7	2704.2	2798.2	2825.8	2795.4	2701.3	2597.2	2536.9	2516.7
50°	2644.5	2676.0	2740.7	2868.6	2950.8	2986.2	2945.1	2861.8	2734.6	2668.7	2644.5
52.5°	2762.7	2798.2	2878.7	3005.4	3138.2	3186.7	3135.4	2995.8	2870.8	2787.5	2753.7
55°	2826.3	2859.0	2946.2	3112.9	3249.7	3281.8	3245.2	3103.9	2938.4	2848.3	2816.8
57.5°	2836.5	2863.5	2971.6	3147.8	3250.8	3282.4	3248.6	3139.9	2962.0	2853.9	2827.5
59°	2815.1	2841.0	2956.9	3132.6	3235.6	3303.8	3233.4	3125.8	2946.8	2832.5	2804.9
60°	2802.1	2826.9	2935.5	3110.6	3221.0	3291.4	3218.7	3105.0	2923.7	2819.6	2791.4
62.5°	2737.4	2760.5	2902.3	3056.6	3178.2	3233.4	3174.8	3051.0	2893.3	2753.1	2722.2
65°	2612.4	2623.6	2759.3	2911.9	3071.8	3105.0	3066.7	2910.2	2748.1	2615.8	2599.4
67.5°	2474.4	2489.1	2605.6	2773.4	2924.9	2969.3	2917.0	2772.8	2597.2	2478.4	2459.8
70°	2250.9	2266.1	2422.1	2565.6	2688.4	2757.1	2675.4	2561.1	2413.1	2261.6	2235.2
72.5°	2034.7	2042.0	2153.0	2321.9	2469.9	2456.4	2454.7	2319.6	2144.5	2044.9	2033.0
75°	1752.7	1756.6	1886.1	2026.3	2162.0	2176.6	2141.1	2023.5	1876.5	1754.9	1753.2
77.5°	1448.6	1460.5	1548.8	1679.5	1783.1	1832.6	1771.8	1686.2	1539.8	1461.6	1451.4
80°	1114.8	1129.4	1219.5	1323.6	1413.2	1417.1	1404.7	1332.7	1211.6	1131.1	1119.3
82.5°	770.2	785.4	864.8	942.5	1029.2	1033.7	1019.6	950.9	857.5	788.2	777.0
85°	425.6	439.2	493.2	552.9	623.3	623.3	603.5	563.6	487.6	443.7	433.0
87.5°	72.1	73.2	106.4	139.6	202.7	209.4	190.9	152.6	112.0	87.8	80.5
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)