

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: P387231

Luminaire Tested: **TT-D6-830-U-5WQ-PM**

Issue Date: 2/18/2020

Test Information

Test Method: LM-79-08
Report Number: P387231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1908-473-14)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/18/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: TT-D6-830-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: 11161 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G3

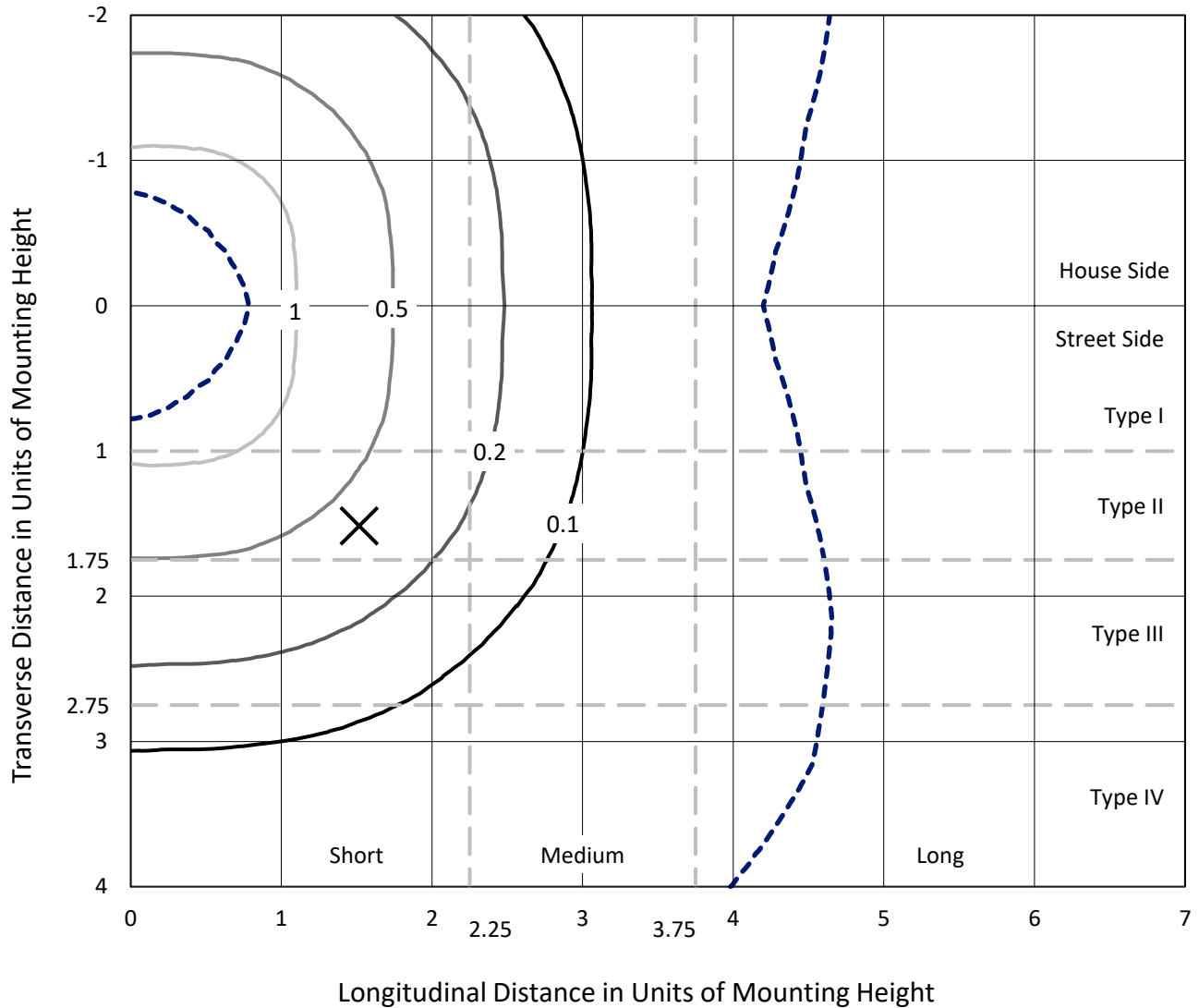
Input Watts (W): 105.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

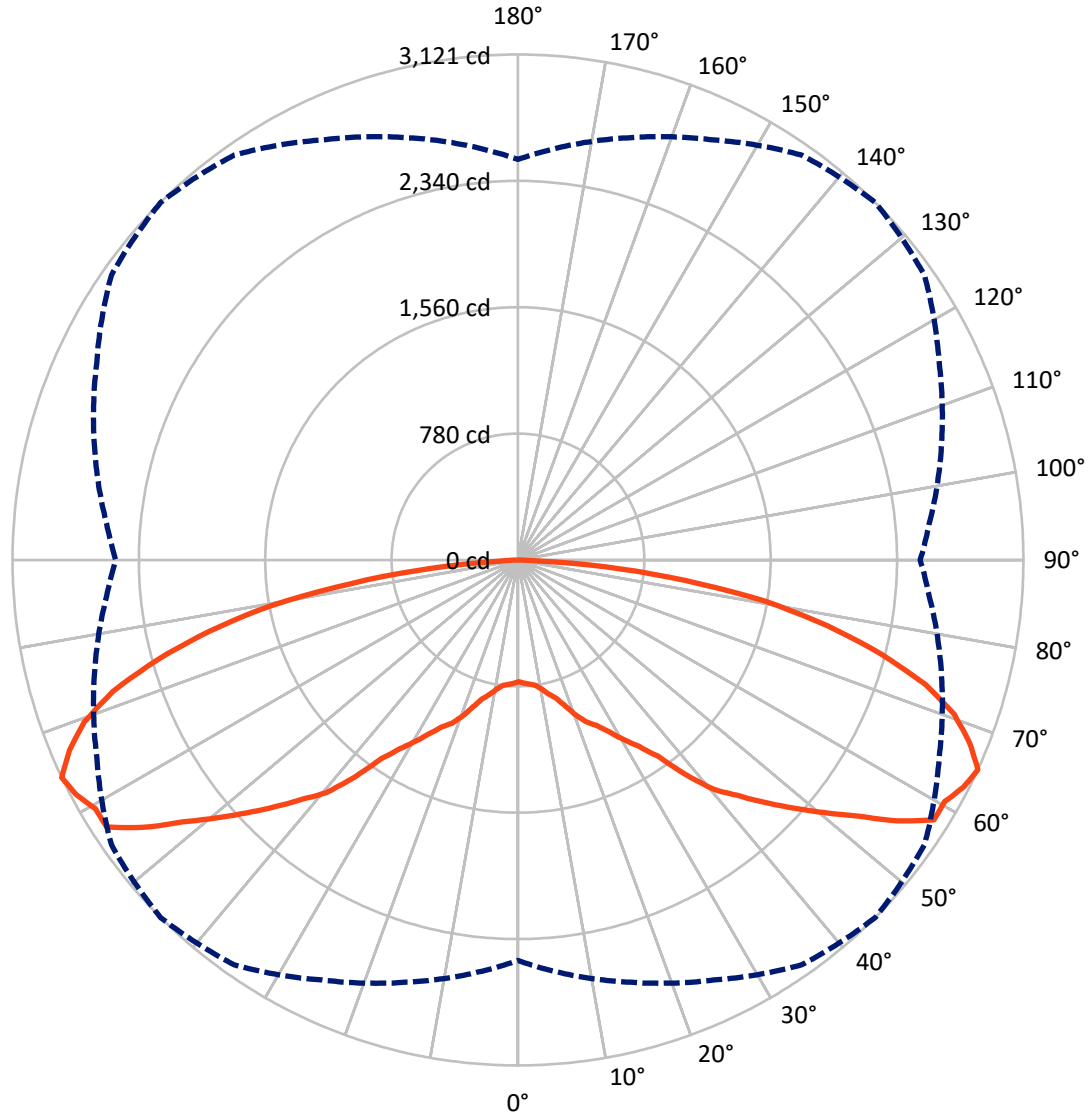
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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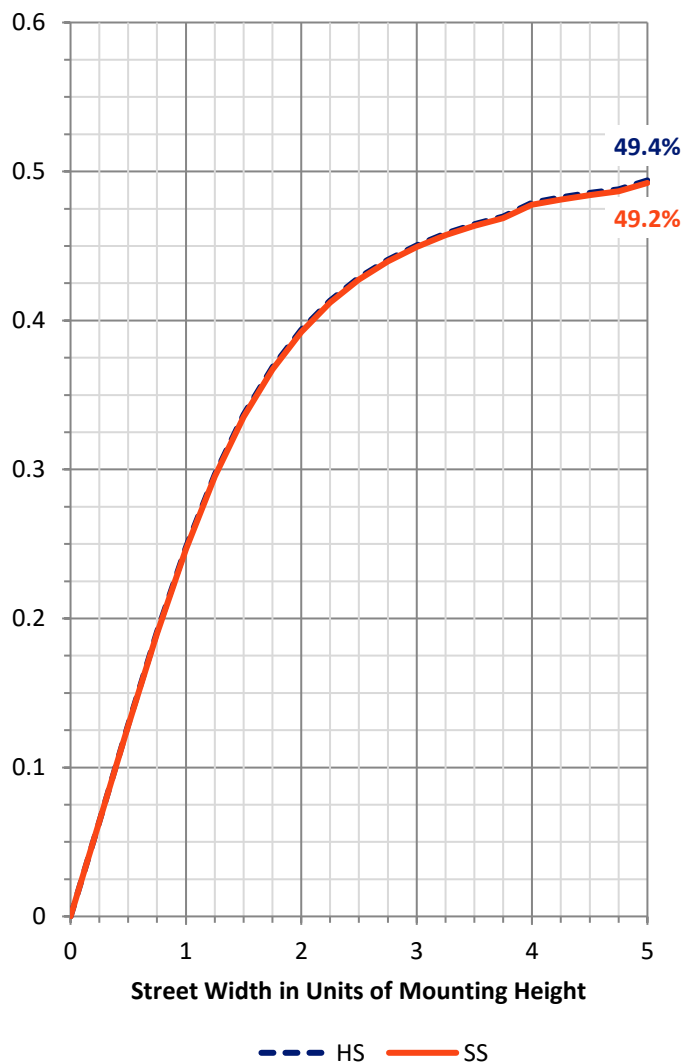
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5580.5	0.0	5580.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5580.5	0.0	5580.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11161.0	0.0	11161.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.9	0.7
10°-20°	257.6	2.3
20°-30°	529.0	4.7
30°-40°	939.8	8.4
40°-50°	1584.3	14.2
50°-60°	2337.1	20.9
60°-70°	2742.8	24.6
70°-80°	2136.9	19.1
80°-90°	558.7	5.0
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°	11161.0	100.0
0°-180°	11161.0	100.0

Coefficient of Utilization



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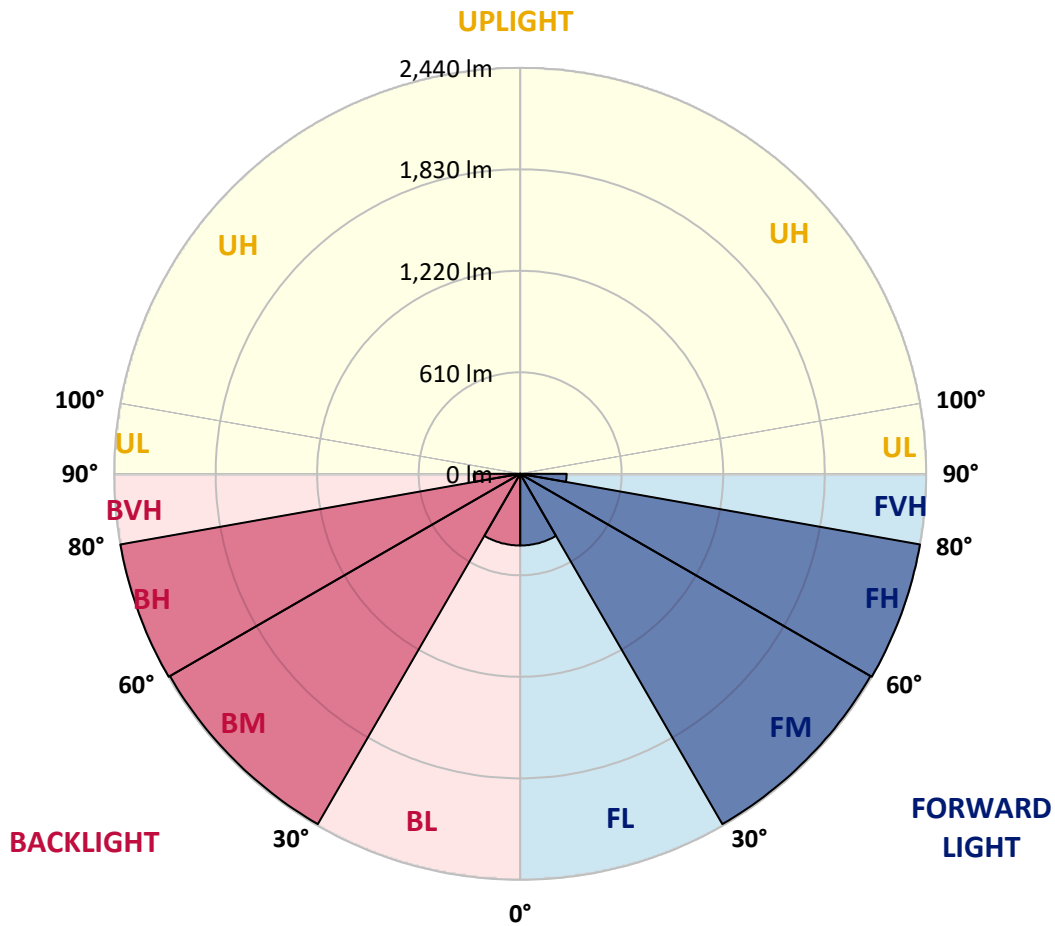
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	430.8	3.9			
FM (30°-60°)	2430.6	21.8			
FH (60°-80°)	2439.8	21.9			G2/5000
FVH (80°-90°)	279.3	2.5			G3/500
BL (0°-30°)	430.8	3.9	B1/500		
BM (30°-60°)	2430.6	21.8	B2/2500		
BH (60°-80°)	2439.8	21.9	B3/2500		G2/5000
BVH (80°-90°)	279.3	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°	751.2	751.2	751.2	751.2	751.2	751.2	751.2	751.2	751.2	751.2	751.2
2.5°	763.5	763.5	763.5	761.7	761.7	761.7	761.7	763.5	763.5	763.5	763.5
5°	781.0	781.0	777.5	774.0	770.5	770.5	772.2	774.0	775.7	779.3	779.3
7.5°	791.5	791.5	789.8	786.3	781.0	781.0	782.8	786.3	788.0	788.0	786.3
10°	805.6	807.3	812.6	814.4	810.8	810.8	812.6	814.4	810.8	805.6	805.6
12.5°	838.9	840.7	847.7	853.0	853.0	849.5	851.2	854.7	845.9	837.2	838.9
15°	886.3	886.3	888.1	893.3	889.8	886.3	889.8	891.6	886.3	884.6	888.1
17.5°	949.5	949.5	939.0	947.7	949.5	947.7	951.2	942.5	937.2	944.2	947.7
20°	1017.9	1010.9	1005.7	1012.7	1026.7	1021.5	1028.5	1009.2	1003.9	1007.4	1009.2
22.5°	1061.8	1067.1	1070.6	1074.1	1093.4	1086.4	1093.4	1072.3	1068.8	1061.8	1056.6
25°	1114.5	1119.7	1140.8	1130.3	1142.6	1132.0	1140.8	1128.5	1135.5	1114.5	1114.5
27.5°	1174.1	1184.7	1197.0	1191.7	1207.5	1202.2	1207.5	1189.9	1191.7	1182.9	1179.4
30°	1254.9	1254.9	1251.4	1261.9	1290.0	1286.5	1288.2	1265.4	1249.6	1251.4	1258.4
32.5°	1335.6	1325.1	1330.3	1361.9	1379.5	1372.5	1376.0	1365.4	1330.3	1323.3	1328.6
35°	1411.1	1426.9	1439.2	1465.5	1490.1	1486.5	1484.8	1467.2	1444.4	1416.3	1407.6
37.5°	1528.7	1546.2	1579.6	1627.0	1670.8	1679.6	1656.8	1634.0	1581.3	1541.0	1519.9
40°	1683.1	1684.9	1723.5	1814.7	1855.1	1862.1	1849.8	1811.2	1730.5	1684.9	1683.1
42.5°	1818.3	1806.0	1869.1	1946.4	1983.2	1986.7	1978.0	1946.4	1869.1	1804.2	1816.5
45°	1923.6	1923.6	1999.0	2060.5	2120.1	2134.2	2118.4	2051.7	2000.8	1925.3	1920.0
47.5°	2020.1	2046.4	2109.6	2185.1	2269.3	2288.6	2269.3	2190.3	2104.3	2048.2	2018.3
50°	2135.9	2167.5	2213.1	2330.7	2425.5	2451.8	2423.8	2337.8	2213.1	2165.8	2148.2
52.5°	2271.1	2297.4	2369.3	2516.8	2587.0	2625.6	2602.8	2520.3	2372.9	2300.9	2286.9
55°	2432.5	2408.0	2520.3	2662.4	2792.3	2843.2	2797.6	2666.0	2537.8	2408.0	2432.5
57.5°	2515.0	2486.9	2644.9	2780.0	2960.8	3027.5	2971.3	2790.6	2644.9	2495.7	2513.3
60°	2522.0	2534.3	2653.7	2874.8	2999.4	3027.5	3009.9	2890.6	2658.9	2544.9	2511.5
62.5°	2501.0	2576.4	2678.2	2906.4	3018.7	3087.2	3027.5	2909.9	2688.8	2588.7	2502.7
65°	2472.9	2548.4	2699.3	2860.8	3052.1	3120.5	3064.4	2869.5	2706.3	2548.4	2483.4
67.5°	2423.8	2397.4	2583.5	2799.3	2966.1	3006.4	2971.3	2802.8	2581.7	2393.9	2429.0
70°	2267.6	2244.7	2404.4	2641.4	2801.1	2857.3	2815.1	2644.9	2408.0	2250.0	2271.1
72.5°	2035.9	2042.9	2197.3	2423.8	2595.7	2630.9	2608.0	2422.0	2206.1	2051.7	2023.6
75°	1765.6	1783.2	1930.6	2135.9	2292.1	2313.2	2290.4	2144.7	1928.8	1793.7	1756.8
77.5°	1451.4	1477.8	1597.1	1802.5	1906.0	1953.4	1916.5	1807.7	1605.9	1484.8	1447.9
80°	1125.0	1133.8	1218.0	1383.0	1519.9	1551.5	1516.4	1388.3	1228.5	1137.3	1111.0
82.5°	737.1	751.2	826.6	953.0	1042.5	1033.7	1042.5	942.5	835.4	747.7	703.8
85°	328.2	356.3	407.2	466.8	524.8	540.6	524.8	473.9	407.2	349.3	342.2
87.5°	22.8	26.3	31.6	33.3	36.9	28.1	28.1	28.1	24.6	28.1	22.8
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)