

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: P387230

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

Issue Date: 2/18/2020

Test Information

Test Method: LM-79-08
Report Number: P387230
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1908-473-16)
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-5MQ-PM
Description: TOPTIER LED SITE LUMINAIRE
3000K, 80 CRI LEDS AND MEDIUM DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11801 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G3

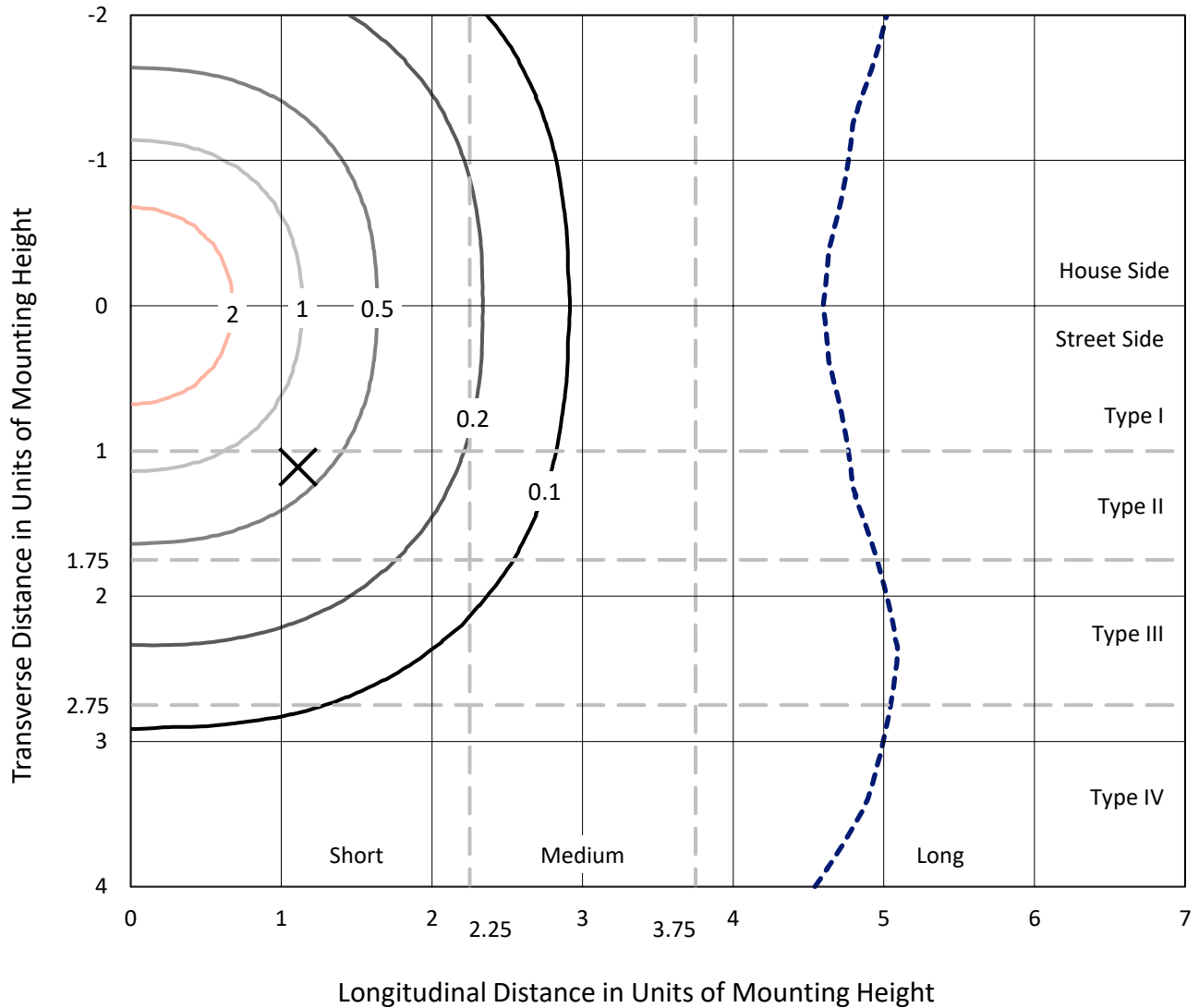
Input Watts (W): 105.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

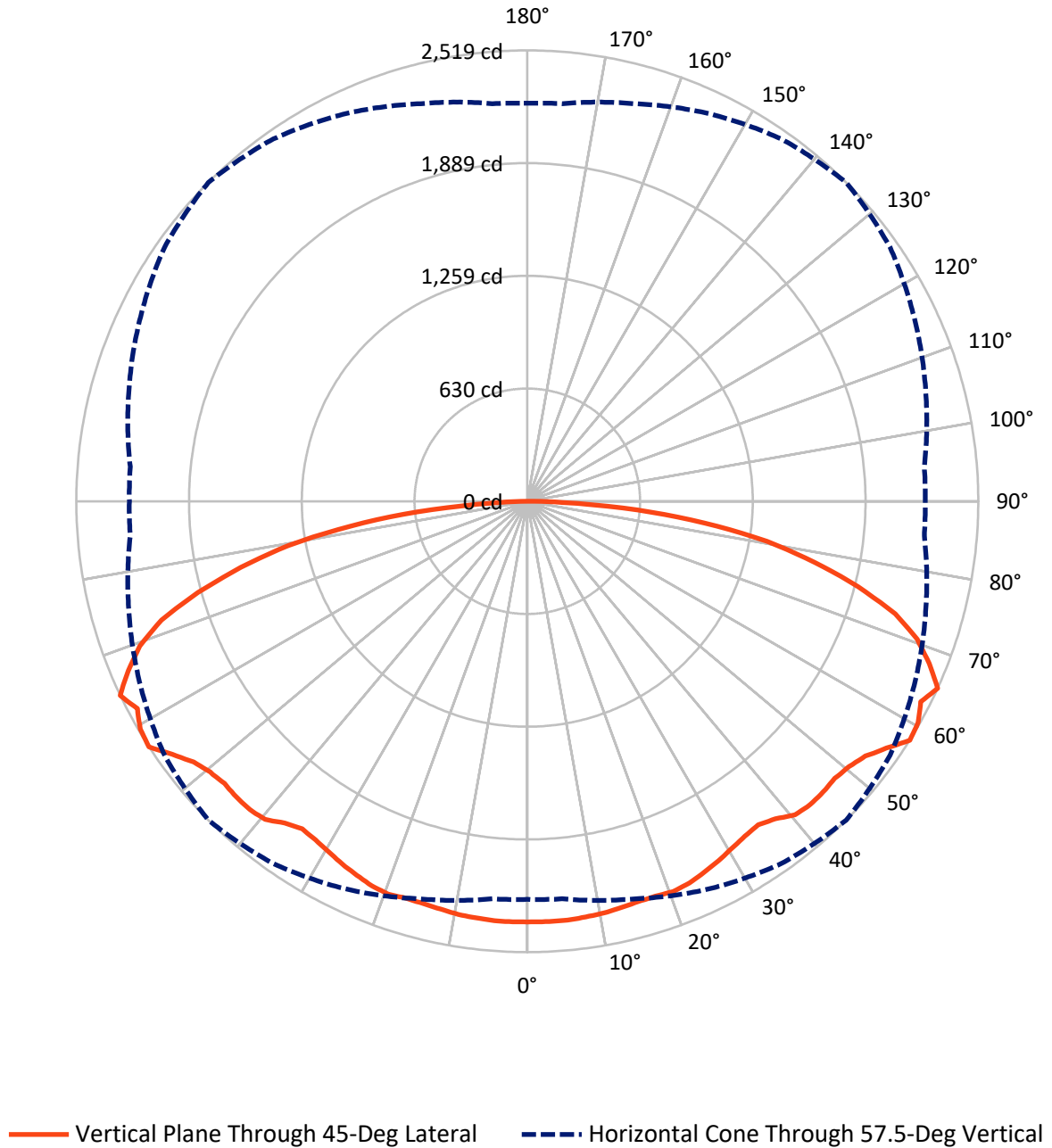
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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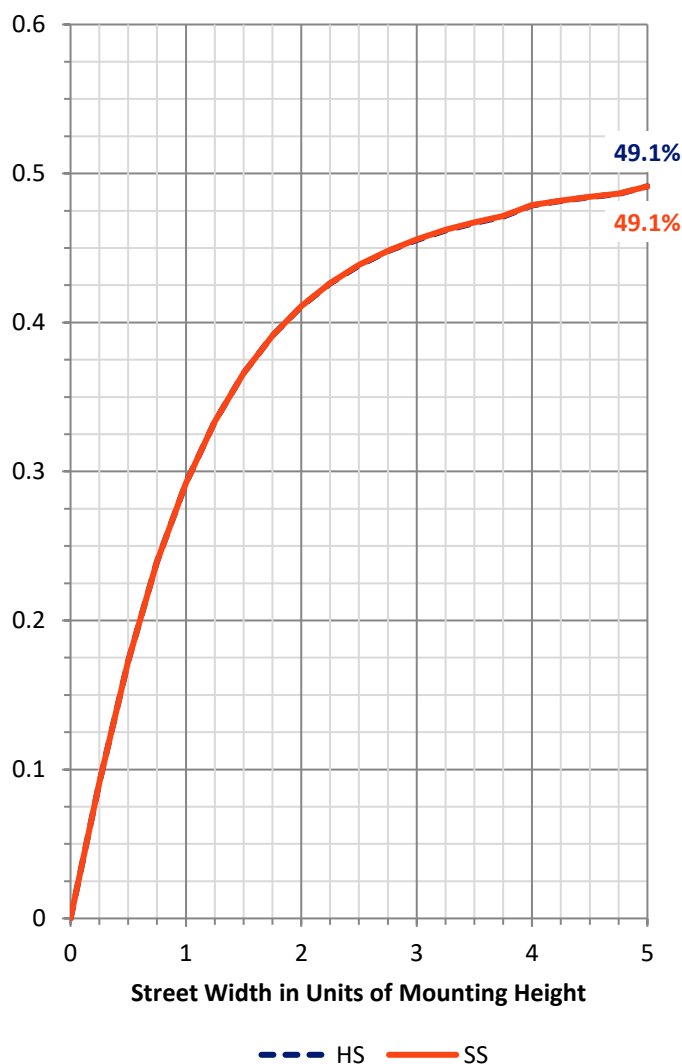
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5900.5	0.0	5900.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5900.5	0.0	5900.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11801.0	0.0	11801.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.0	1.9
10°-20°	658.8	5.6
20°-30°	1058.5	9.0
30°-40°	1397.5	11.8
40°-50°	1748.4	14.8
50°-60°	2079.5	17.6
60°-70°	2255.5	19.1
70°-80°	1795.3	15.2
80°-90°	583.6	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°	11801.0	100.0
0°-180°	11801.0	100.0

Coefficient of Utilization



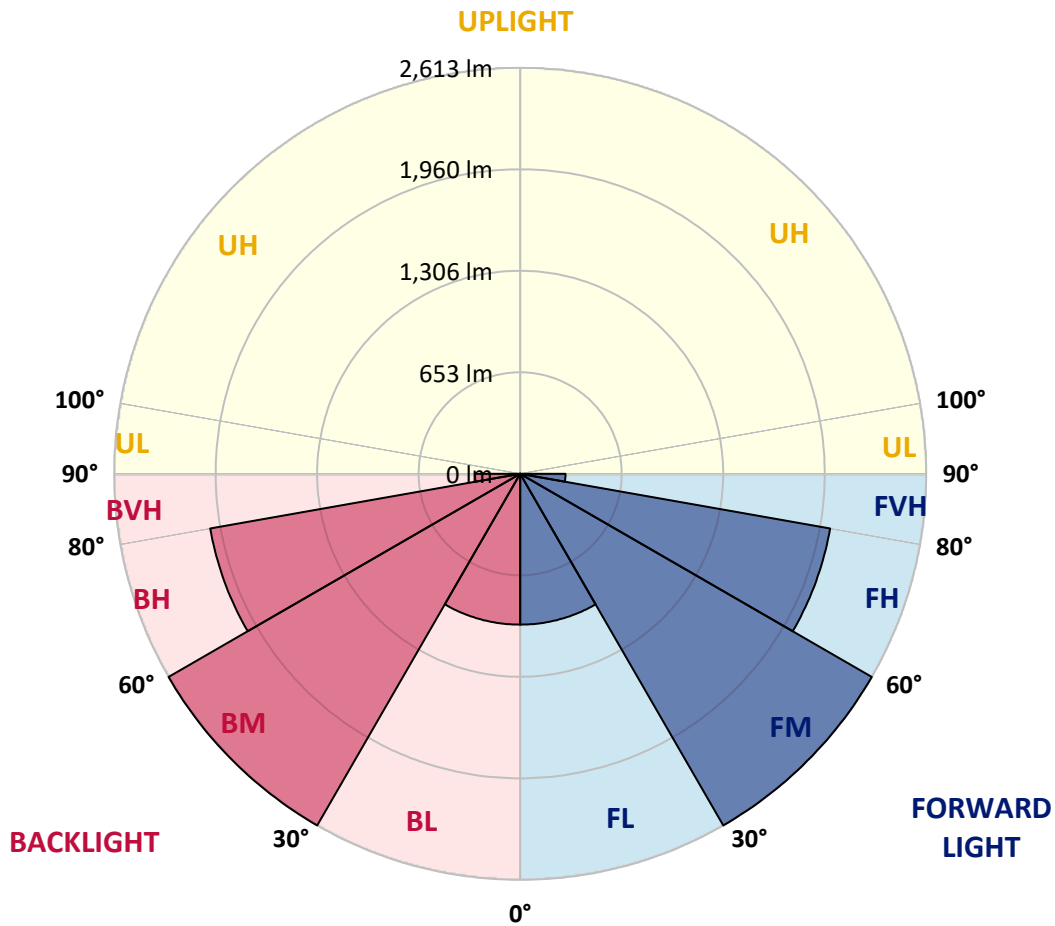
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	970.6	8.2			
FM (30°-60°)	2612.7	22.1			
FH (60°-80°)	2025.4	17.2			G2/5000
FVH (80°-90°)	291.8	2.5			G3/500
BL (0°-30°)	970.6	8.2	B2/1000		
BM (30°-60°)	2612.7	22.1	B3/5000		
BH (60°-80°)	2025.4	17.2	B3/2500		G2/5000
BVH (80°-90°)	291.8	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°	2350.4	2350.4	2350.4	2350.4	2350.4	2350.4	2350.4	2350.4	2350.4	2350.4	2350.4
2.5°	2353.9	2352.1	2353.9	2352.1	2352.1	2350.4	2352.1	2352.1	2352.1	2352.1	2352.1
5°	2352.1	2350.4	2350.4	2352.1	2350.4	2350.4	2350.4	2350.4	2350.4	2350.4	2350.4
7.5°	2345.1	2345.1	2346.9	2345.1	2345.1	2345.1	2345.1	2345.1	2345.1	2346.9	2346.9
10°	2339.9	2338.1	2339.9	2339.9	2338.1	2339.9	2338.1	2339.9	2339.9	2339.9	2339.9
12.5°	2332.8	2331.1	2332.8	2332.8	2331.1	2329.3	2331.1	2331.1	2332.8	2332.8	2332.8
15°	2320.6	2320.6	2324.1	2322.3	2322.3	2320.6	2324.1	2322.3	2320.6	2322.3	2322.3
17.5°	2311.8	2311.8	2315.3	2318.8	2318.8	2318.8	2318.8	2317.0	2313.5	2315.3	2311.8
20°	2313.5	2315.3	2317.0	2322.3	2325.8	2327.6	2327.6	2322.3	2317.0	2318.8	2317.0
22.5°	2308.3	2306.5	2308.3	2311.8	2317.0	2317.0	2317.0	2310.0	2308.3	2306.5	2306.5
25°	2287.2	2287.2	2290.7	2294.2	2297.7	2296.0	2297.7	2294.2	2290.7	2287.2	2287.2
27.5°	2262.6	2262.6	2267.9	2271.4	2274.9	2274.9	2273.2	2269.6	2267.9	2264.4	2262.6
30°	2238.1	2238.1	2243.3	2246.8	2252.1	2250.3	2250.3	2245.1	2239.8	2236.3	2236.3
32.5°	2211.7	2210.0	2215.2	2224.0	2231.0	2231.0	2231.0	2220.5	2213.5	2210.0	2208.2
35°	2188.9	2188.9	2195.9	2211.7	2220.5	2220.5	2217.0	2210.0	2194.2	2188.9	2188.9
37.5°	2181.9	2187.1	2206.5	2229.3	2246.8	2250.3	2245.1	2225.8	2204.7	2188.9	2183.6
40°	2204.7	2210.0	2234.5	2271.4	2297.7	2303.0	2297.7	2269.6	2232.8	2208.2	2206.5
42.5°	2208.2	2211.7	2241.6	2283.7	2308.3	2317.0	2308.3	2280.2	2239.8	2210.0	2208.2
45°	2195.9	2197.7	2232.8	2276.7	2306.5	2317.0	2306.5	2273.2	2231.0	2197.7	2195.9
47.5°	2180.1	2183.6	2222.3	2267.9	2304.8	2311.8	2303.0	2266.1	2218.7	2185.4	2180.1
50°	2167.8	2178.4	2213.5	2264.4	2308.3	2329.3	2308.3	2259.1	2211.7	2174.9	2167.8
52.5°	2174.9	2178.4	2224.0	2296.0	2355.7	2364.4	2353.9	2296.0	2220.5	2178.4	2173.1
55°	2195.9	2211.7	2260.9	2364.4	2418.9	2434.7	2411.8	2360.9	2262.6	2211.7	2195.9
57.5°	2224.0	2229.3	2299.5	2390.8	2471.5	2518.9	2473.3	2389.0	2304.8	2225.8	2222.3
60°	2201.2	2185.4	2273.2	2380.2	2489.1	2508.4	2482.0	2382.0	2269.6	2183.6	2199.4
62.5°	2139.8	2150.3	2222.3	2369.7	2445.2	2466.2	2438.2	2369.7	2218.7	2159.1	2134.5
65°	2090.6	2153.8	2232.8	2338.1	2459.2	2518.9	2461.0	2334.6	2236.3	2143.3	2085.3
67.5°	2022.1	2034.4	2152.0	2281.9	2390.8	2420.6	2389.0	2283.7	2141.5	2025.7	2034.4
70°	1906.3	1888.7	2008.1	2159.1	2262.6	2310.0	2266.1	2152.0	2002.8	1885.2	1901.0
72.5°	1715.0	1725.5	1836.1	1995.8	2102.9	2148.5	2104.6	1983.5	1832.6	1736.0	1725.5
75°	1514.9	1527.1	1634.2	1779.9	1888.7	1908.1	1895.8	1771.1	1637.7	1525.4	1514.9
77.5°	1286.7	1298.9	1386.7	1546.5	1611.4	1641.2	1614.9	1555.2	1383.2	1297.2	1283.2
80°	1033.9	1030.4	1107.6	1244.5	1325.3	1358.6	1325.3	1248.0	1104.1	1037.4	1014.6
82.5°	739.0	742.5	814.5	909.3	986.5	997.0	981.2	918.0	807.5	751.3	719.7
85°	410.7	426.5	479.2	549.4	600.3	617.9	591.5	531.9	477.5	433.6	419.5
87.5°	98.3	107.1	124.6	158.0	177.3	194.8	177.3	165.0	117.6	107.1	98.3
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)