

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: P887976

Luminaire Tested: **TT-D6-830-U-CQ-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-238-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/9/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D6-830-U-CQ-TC
Description: CQ
3000K, 80 CRI LEDS, CONCENTRATED DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10097 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

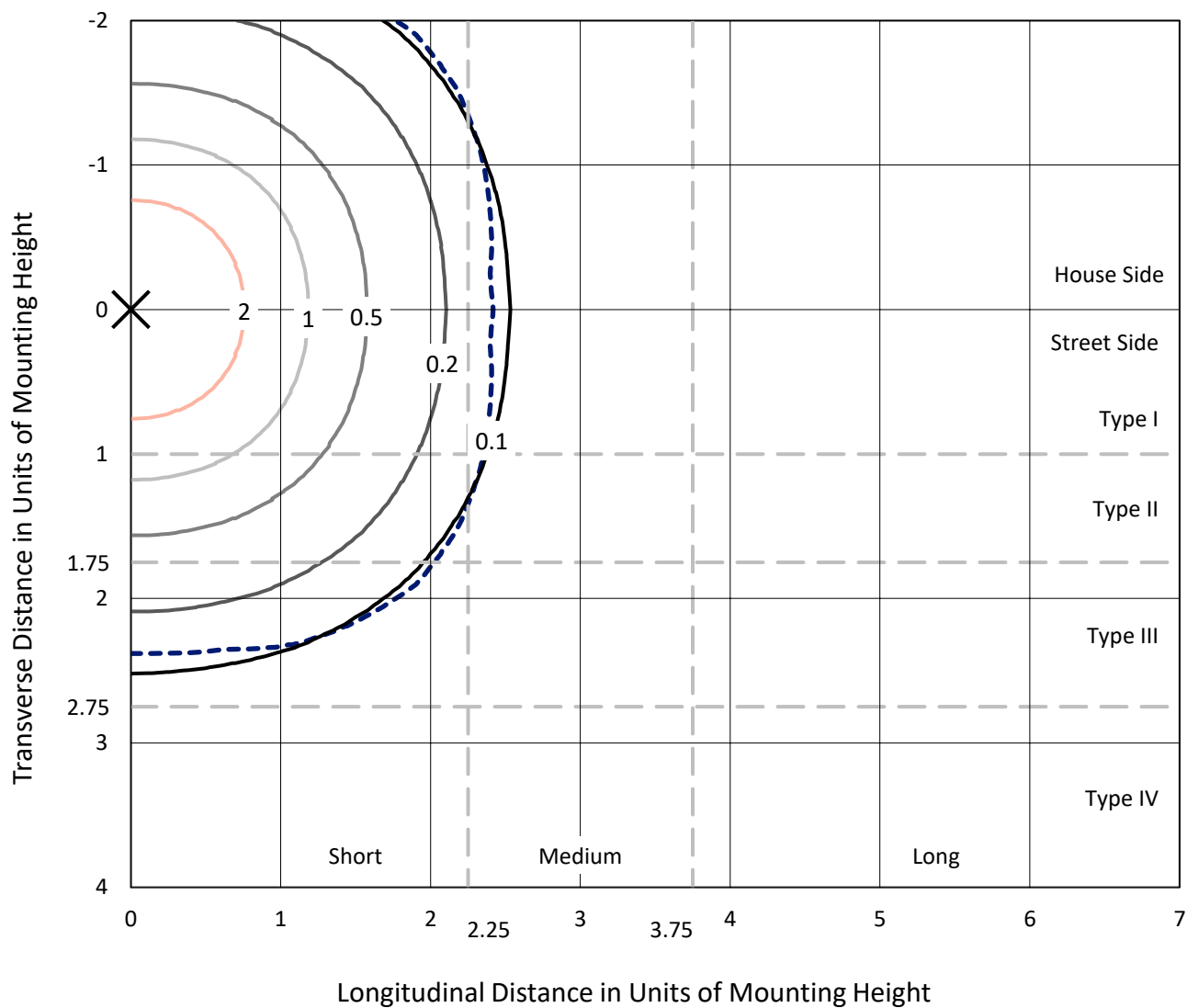
Input Watts (W): 105.2
Input Voltage (V): 120.0
Input Current (Ain): 0.88
Voltage Rise (V): NR
Power Factor: 0.995
Total Harmonic Distortion (THDi): 9.70%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

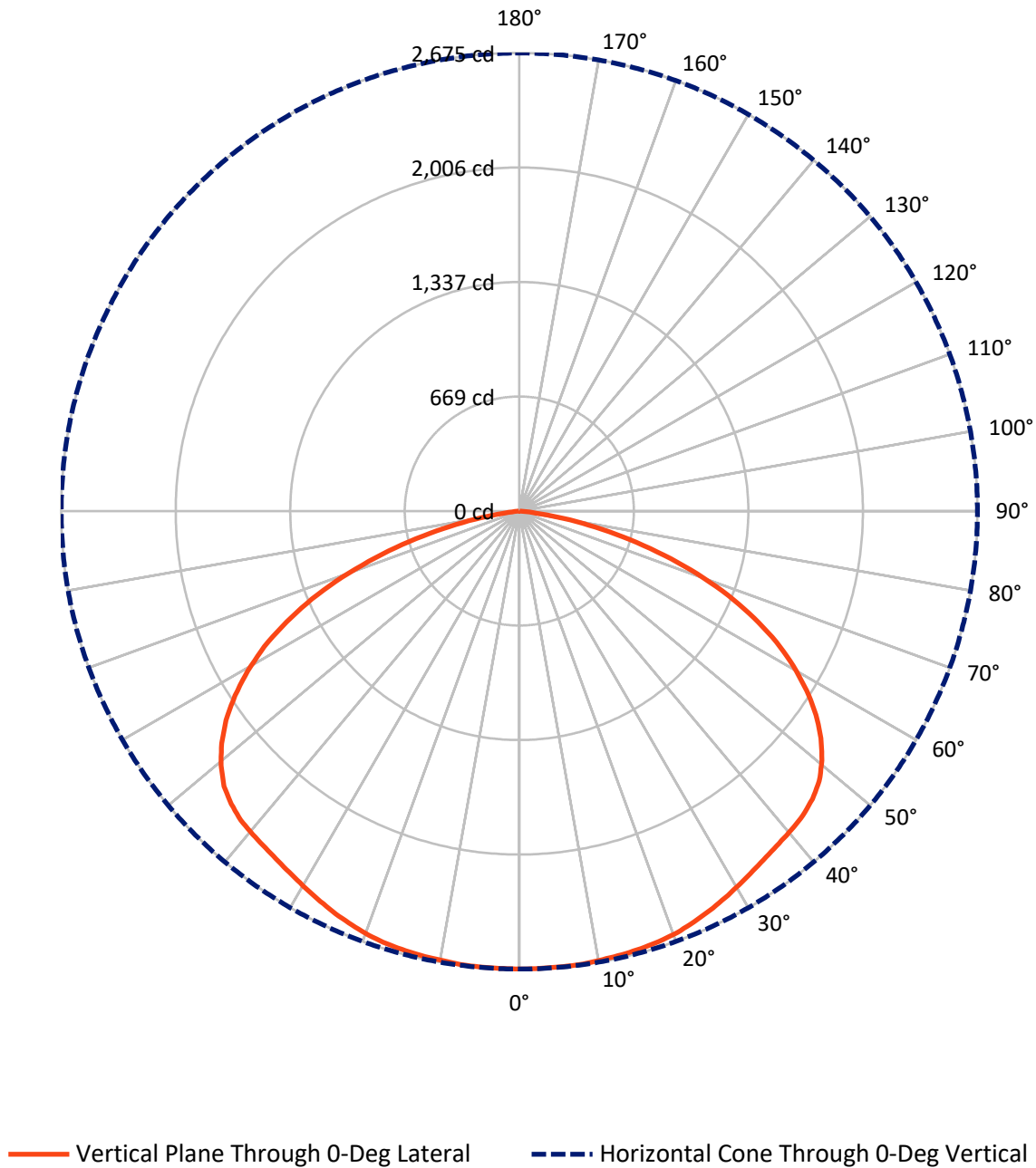
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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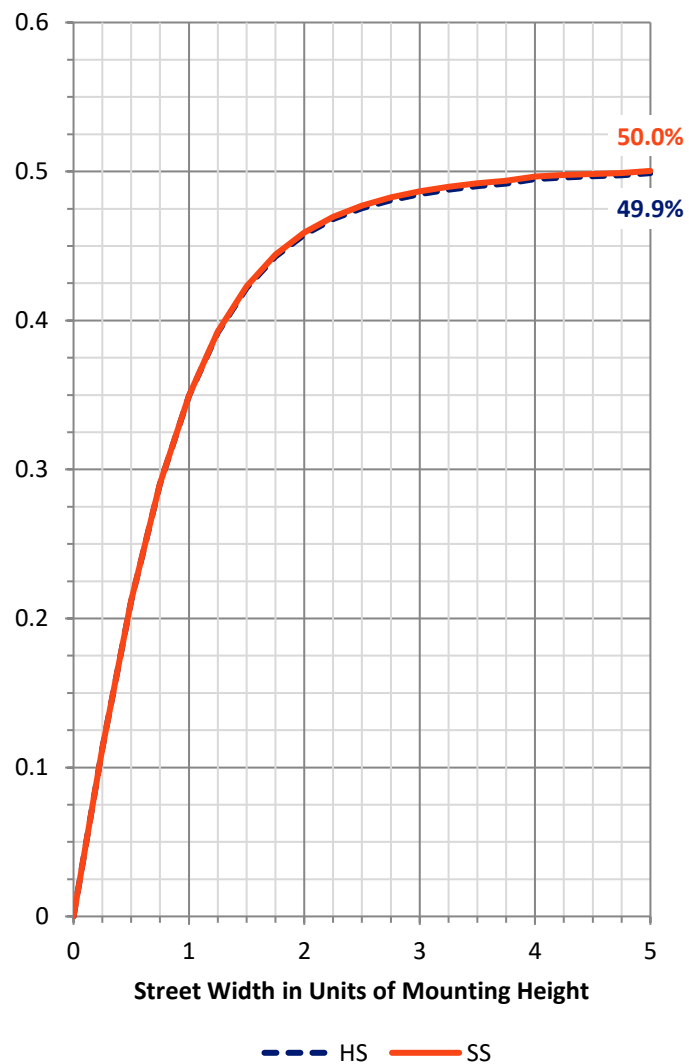
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5048.5	0.0	5048.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5048.5	0.0	5048.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10097.0	0.0	10097.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.8	2.5
10°-20°	750.8	7.4
20°-30°	1196.6	11.9
30°-40°	1572.3	15.6
40°-50°	1894.5	18.8
50°-60°	1976.1	19.6
60°-70°	1598.9	15.8
70°-80°	775.0	7.7
80°-90°	77.9	0.8
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°	10097.0	100.0
0°-180°	10097.0	100.0

Coefficient of Utilization



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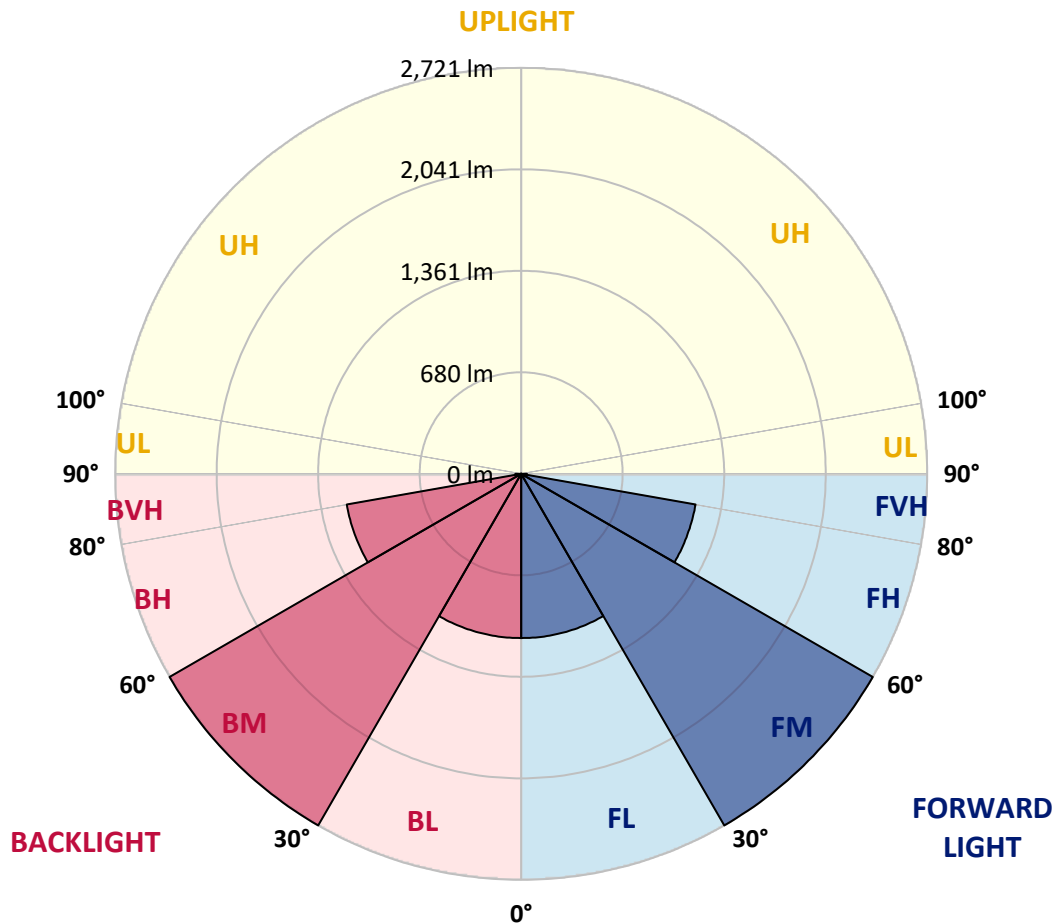
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1101.1	10.9			
FM	(30°-60°)	2721.5	27.0			
FH	(60°-80°)	1186.9	11.8			G1/1800
FVH	(80°-90°)	39.0	0.4			G1/100
BL	(0°-30°)	1101.1	10.9	B3/2500		
BM	(30°-60°)	2721.5	27.0	B3/5000		
BH	(60°-80°)	1186.9	11.8	B3/2500		G1/1800
BVH	(80°-90°)	39.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2674.5	2674.5	2674.5	2674.5	2674.5	2674.5	2674.5	2674.5	2674.5	2674.5	2674.5
2.5°	2672.7	2672.7	2672.7	2670.9	2670.9	2670.9	2670.9	2672.7	2672.7	2672.7	2672.7
5°	2672.7	2672.7	2672.7	2672.7	2670.9	2670.9	2670.9	2672.7	2672.7	2672.7	2672.7
7.5°	2670.9	2670.9	2670.9	2669.2	2669.2	2669.2	2669.2	2669.2	2669.2	2669.2	2669.2
10°	2663.9	2663.9	2665.6	2663.9	2663.9	2663.9	2663.9	2665.6	2663.9	2663.9	2663.9
12.5°	2658.6	2658.6	2658.6	2658.6	2656.8	2658.6	2656.8	2656.8	2656.8	2656.8	2656.8
15°	2651.5	2653.3	2651.5	2651.5	2653.3	2653.3	2651.5	2651.5	2649.7	2649.7	2649.7
17.5°	2642.7	2642.7	2644.4	2644.4	2646.2	2646.2	2644.4	2644.4	2642.7	2640.9	2640.9
20°	2628.5	2630.3	2630.3	2632.1	2633.8	2635.6	2633.8	2632.1	2630.3	2628.5	2626.8
22.5°	2607.3	2609.1	2610.9	2614.4	2616.2	2617.9	2614.4	2612.6	2610.9	2609.1	2609.1
25°	2584.4	2586.1	2587.9	2591.4	2593.2	2595.0	2593.2	2589.7	2587.9	2586.1	2586.1
27.5°	2557.9	2559.6	2561.4	2566.7	2568.5	2570.2	2566.7	2563.2	2559.6	2557.9	2557.9
30°	2531.4	2533.1	2536.7	2542.0	2547.3	2549.0	2542.0	2538.4	2533.1	2529.6	2529.6
32.5°	2504.9	2506.6	2510.2	2520.8	2526.1	2527.8	2524.3	2517.2	2508.4	2503.1	2501.3
35°	2481.9	2485.5	2492.5	2504.9	2511.9	2515.5	2511.9	2501.3	2489.0	2480.2	2480.2
37.5°	2462.5	2467.8	2478.4	2496.1	2510.2	2513.7	2508.4	2494.3	2476.6	2464.3	2462.5
40°	2446.6	2451.9	2467.8	2490.8	2510.2	2515.5	2508.4	2489.0	2466.0	2450.1	2446.6
42.5°	2428.9	2434.2	2455.4	2483.7	2506.6	2515.5	2506.6	2481.9	2451.9	2430.7	2428.9
45°	2398.9	2406.0	2430.7	2467.8	2496.1	2506.6	2496.1	2467.8	2430.7	2406.0	2404.2
47.5°	2356.5	2363.6	2391.8	2439.5	2473.1	2489.0	2478.4	2444.8	2404.2	2372.4	2368.9
50°	2289.4	2301.7	2331.8	2390.1	2428.9	2451.9	2443.1	2406.0	2358.3	2324.7	2321.2
52.5°	2204.6	2216.9	2254.0	2319.4	2363.6	2393.6	2384.8	2344.1	2294.7	2252.3	2250.5
55°	2102.1	2116.3	2155.1	2231.1	2280.5	2314.1	2303.5	2255.8	2201.0	2153.4	2151.6
57.5°	1978.5	1996.1	2038.5	2118.0	2174.5	2213.4	2197.5	2148.1	2084.5	2029.7	2031.5
60°	1838.9	1858.3	1902.5	1985.5	2045.6	2082.7	2068.6	2013.8	1946.7	1888.4	1890.1
62.5°	1685.2	1697.6	1741.8	1828.3	1888.4	1930.8	1909.6	1853.0	1784.2	1724.1	1732.9
65°	1505.0	1517.4	1559.8	1646.4	1702.9	1745.3	1724.1	1665.8	1595.1	1531.5	1545.7
67.5°	1316.0	1319.6	1351.4	1441.5	1494.5	1535.1	1512.1	1455.6	1388.5	1330.2	1340.8
70°	1104.1	1100.5	1134.1	1217.1	1263.0	1300.1	1277.2	1224.2	1164.1	1109.4	1120.0
72.5°	883.2	879.7	906.2	982.2	1012.2	1054.6	1033.4	983.9	936.2	881.5	892.1
75°	666.0	658.9	681.9	745.5	770.2	807.3	787.9	743.7	704.8	655.4	667.7
77.5°	454.0	448.7	466.4	519.3	535.2	572.3	545.8	515.8	484.0	434.6	452.2
80°	261.4	256.1	266.7	310.9	321.5	346.2	328.6	305.6	280.9	247.3	257.9
82.5°	97.2	100.7	106.0	134.3	144.9	167.8	150.2	132.5	114.8	93.6	100.7
85°	7.1	7.1	7.1	10.6	14.1	23.0	15.9	12.4	8.8	5.3	8.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)