

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: P940143

Luminaire Tested: **GALN-SB3A-827-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940143
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11578 lumens
Efficiency: N/A
Efficacy: 136.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

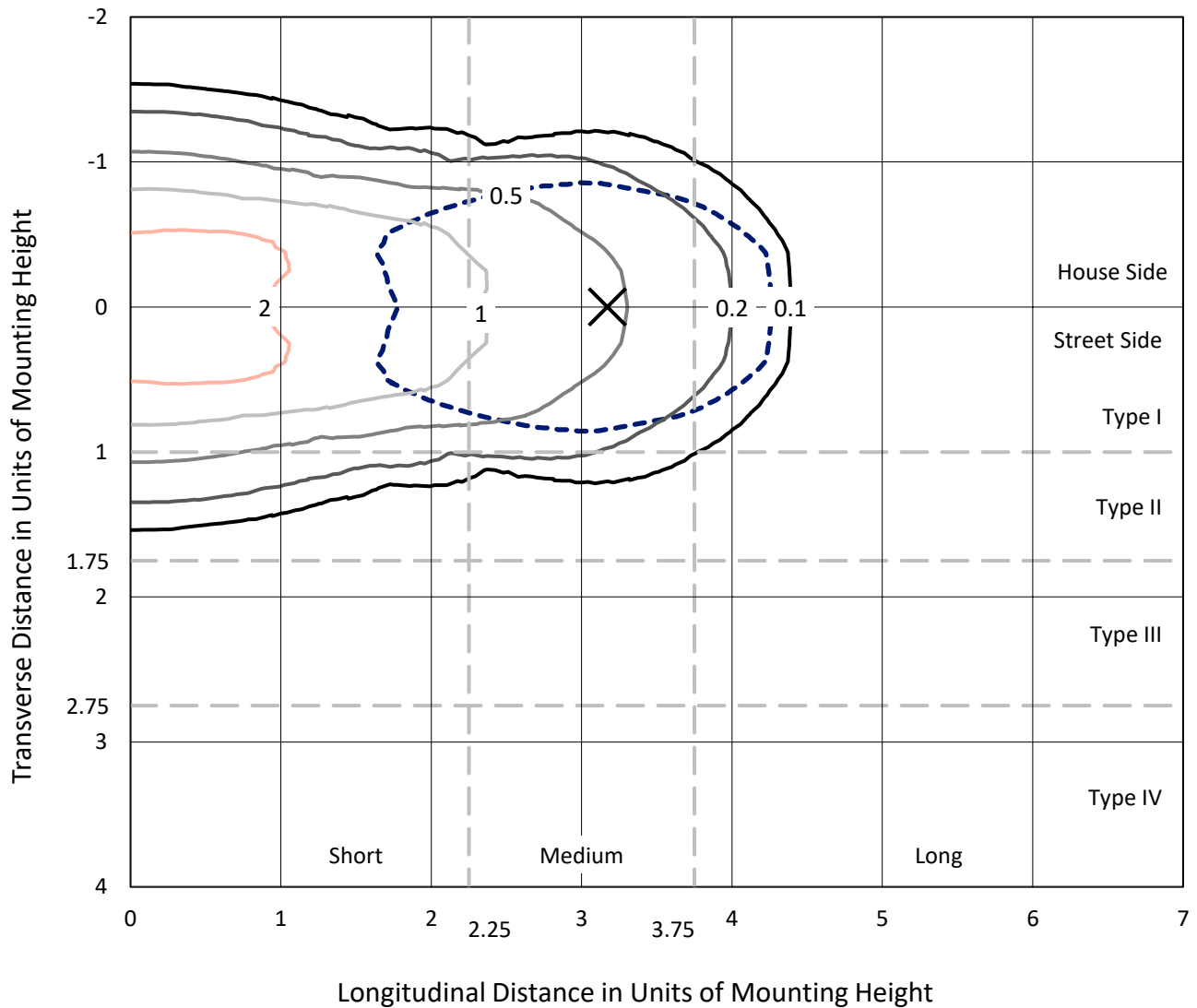
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

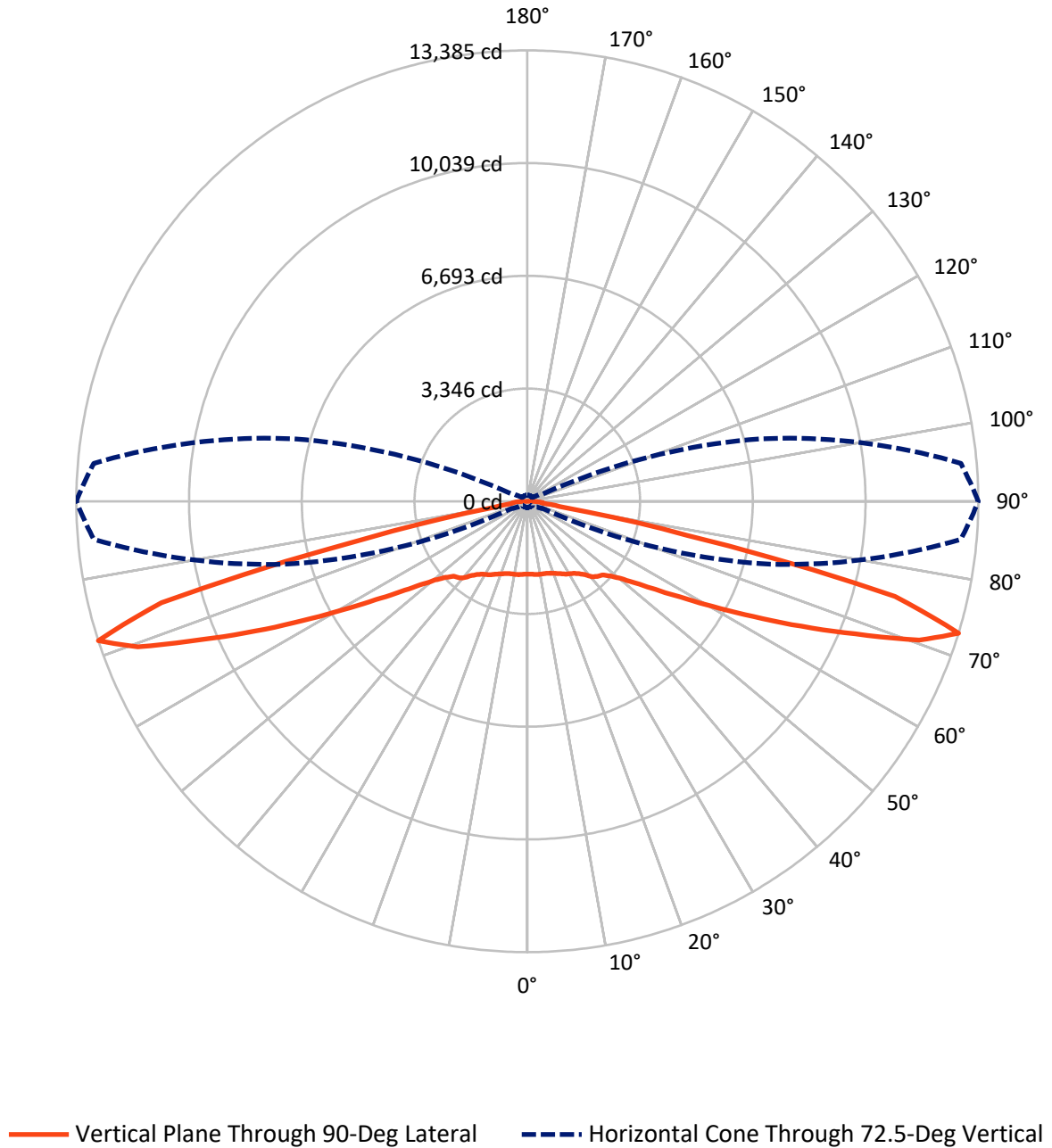
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5789.0	0.0	5789.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5789.0	0.0	5789.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11578.0	0.0	11578.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.8	1.8
10°-20°	641.4	5.5
20°-30°	1069.5	9.2
30°-40°	1470.9	12.7
40°-50°	1796.3	15.5
50°-60°	2077.7	17.9
60°-70°	2477.3	21.4
70°-80°	1729.0	14.9
80°-90°	106.2	0.9
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°	11578.0	100.0
0°-180°	11578.0	100.0

Coefficient of Utilization



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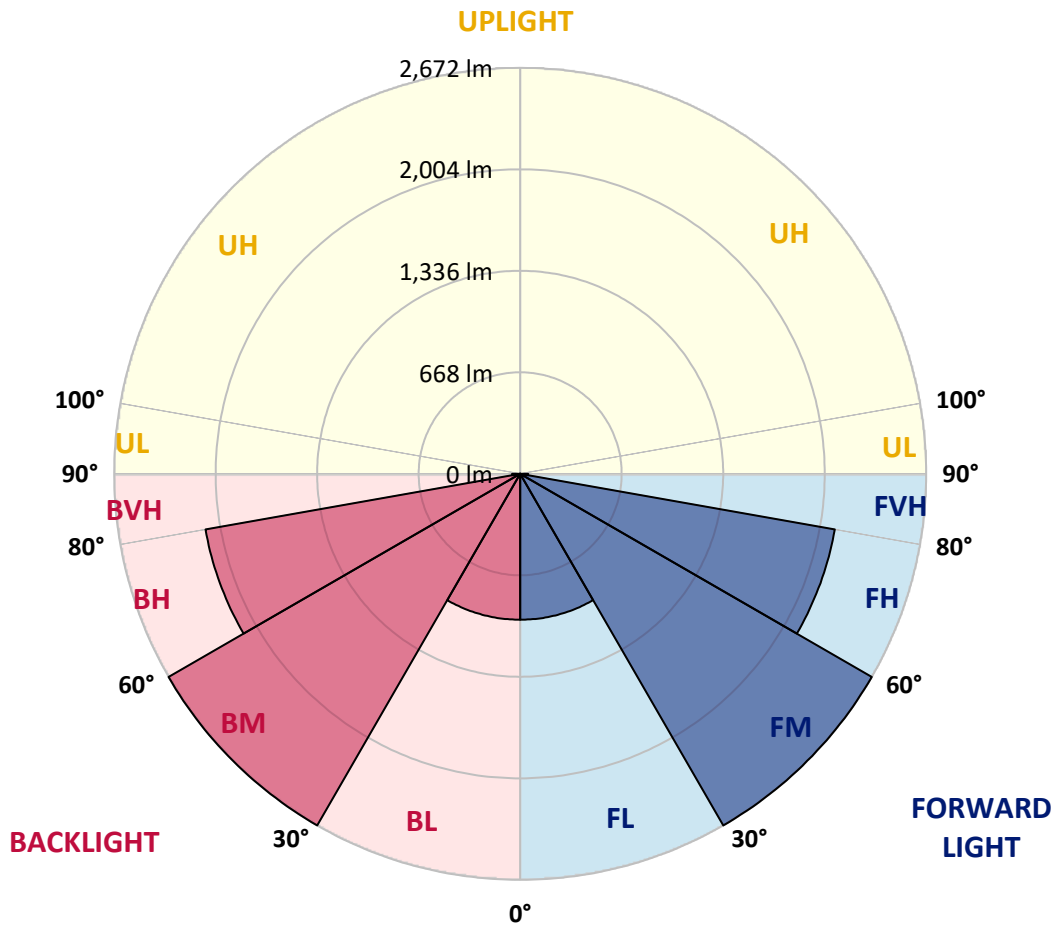
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	960.3	8.3			
FM (30°-60°)	2672.4	23.1			
FH (60°-80°)	2103.1	18.2			G2/5000
FVH (80°-90°)	53.1	0.5			G1/100
BL (0°-30°)	960.3	8.3	B2/1000		
BM (30°-60°)	2672.4	23.1	B3/5000		
BH (60°-80°)	2103.1	18.2	B3/2500		G3/2500
BVH (80°-90°)	53.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2163.5	2163.5	2163.5	2163.5	2163.5	2163.5	2163.5	2163.5	2163.5	2163.5
2.5°	2165.3	2167.8	2167.8	2165.9	2170.2	2166.5	2166.5	2164.7	2166.5	2164.7
5°	2176.4	2179.5	2180.7	2180.1	2185.6	2182.5	2182.5	2180.1	2180.7	2178.9
7.5°	2197.3	2201.6	2204.1	2207.2	2215.2	2211.5	2209.0	2201.6	2198.5	2193.6
10°	2204.1	2209.0	2217.0	2233.0	2251.5	2252.1	2244.7	2226.2	2212.1	2201.0
12.5°	2183.2	2189.9	2206.5	2239.2	2280.4	2297.0	2285.3	2254.5	2226.8	2207.2
15°	2156.7	2164.1	2189.3	2238.5	2299.5	2338.2	2337.0	2296.4	2252.1	2221.3
17.5°	2115.5	2122.9	2159.2	2228.1	2314.2	2378.2	2395.4	2353.6	2291.5	2250.2
20°	2041.0	2047.8	2098.2	2194.9	2319.1	2420.7	2465.6	2428.7	2351.1	2295.2
22.5°	1944.4	1954.9	2013.9	2137.6	2307.5	2465.0	2545.6	2520.4	2420.7	2343.1
25°	1841.0	1852.1	1921.0	2067.5	2277.3	2497.0	2640.3	2624.3	2499.4	2402.8
27.5°	1751.8	1763.5	1838.6	1997.9	2230.5	2509.3	2733.9	2741.9	2594.8	2468.7
30°	1681.7	1692.8	1772.7	1942.0	2170.2	2497.0	2815.7	2871.1	2692.0	2525.9
32.5°	1604.8	1618.9	1703.2	1873.7	2098.9	2467.4	2887.1	3010.8	2804.6	2587.4
35°	1507.5	1520.5	1609.1	1780.1	2005.3	2420.1	2946.8	3165.8	2965.9	2681.0
37.5°	1389.4	1401.7	1489.7	1663.2	1912.4	2353.6	2992.3	3340.6	3157.8	2815.7
40°	1270.6	1282.3	1364.8	1532.8	1801.0	2268.7	3008.3	3511.6	3378.1	3000.9
42.5°	1161.7	1172.2	1247.9	1404.2	1676.1	2160.4	2987.4	3660.5	3575.6	3130.1
45°	1061.4	1070.7	1137.7	1283.6	1546.3	2028.7	2924.6	3820.5	3810.7	3222.4
47.5°	947.0	956.2	1025.7	1166.7	1416.5	1874.3	2818.2	3978.1	4137.4	3431.6
50°	807.3	815.3	886.7	1031.9	1281.7	1710.0	2670.5	4101.7	4549.7	3748.5
52.5°	641.8	650.4	719.9	865.1	1121.7	1533.4	2476.1	4182.3	5025.9	4211.3
55°	477.5	483.6	543.9	674.4	923.6	1332.2	2232.4	4205.1	5566.2	4843.8
57.5°	346.4	350.1	388.9	486.1	700.2	1080.5	1936.4	4146.0	6209.2	5654.8
60°	280.6	281.8	293.5	336.6	486.7	796.2	1578.9	3943.0	6907.0	6700.2
62.5°	254.7	254.7	257.8	269.5	329.2	525.5	1146.3	3522.1	7655.2	8021.3
65°	236.9	236.9	238.1	243.7	259.7	334.7	723.6	2836.6	8285.9	9568.9
67.5°	220.9	221.5	220.9	222.7	232.0	247.4	419.6	1959.2	8625.6	11172.4
70°	204.3	205.5	202.4	202.4	209.8	210.4	262.7	1074.4	8343.8	12516.3
72.5°	184.6	186.4	181.5	180.3	185.8	183.4	197.5	515.6	7163.6	12917.5
75°	167.4	169.8	158.8	155.7	155.7	153.8	160.6	264.6	4649.4	10537.4
77.5°	152.0	156.9	139.1	129.2	126.8	121.2	131.1	161.8	2033.6	4947.2
80°	125.5	132.3	114.4	102.8	98.5	92.3	103.4	113.2	604.9	1148.8
82.5°	93.5	96.6	81.2	73.2	69.5	65.2	77.5	78.8	196.9	406.7
85°	59.7	60.9	49.8	43.1	41.2	39.4	49.2	43.1	75.1	299.0
87.5°	20.9	24.0	19.1	17.2	18.5	15.4	22.8	12.9	20.9	211.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2163.5
2164.7
2178.9
2193.6
2199.2
2204.1
2216.4
2243.5
2284.7
2329.0
2383.1
2447.8
2495.7
2549.3
2638.5
2759.1
2940.6
3052.6
3117.8
3311.0
3597.2
4024.8
4610.6
5361.3
6330.4
7526.0
8942.5
10496.2
12338.4
13385.1
11270.8
4844.4
1100.2
459.6
434.4
261.5
0.0

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