

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: P939813

Luminaire Tested: **GALN-SB2C-830-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939813
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-SB2C-830-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13313 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

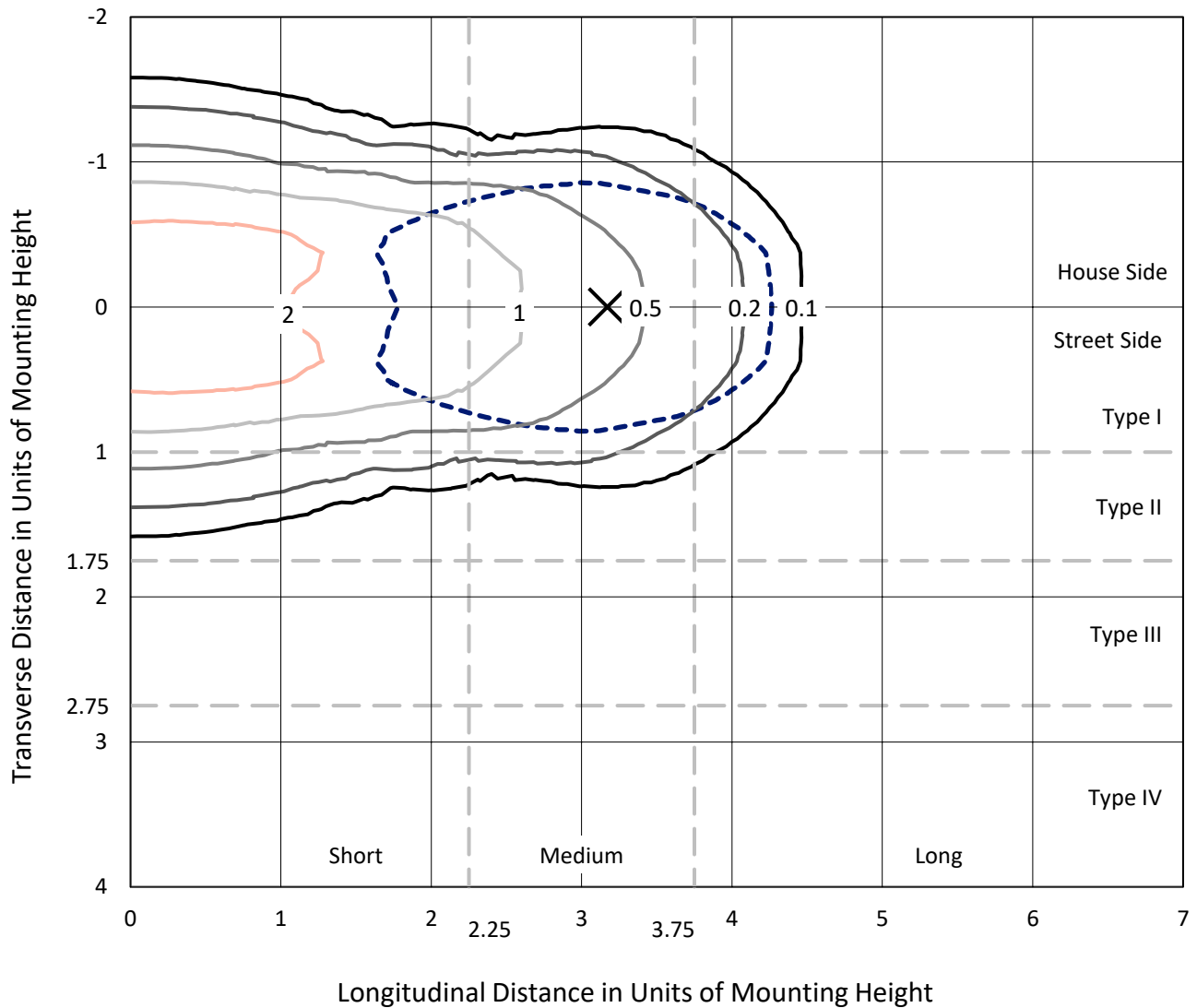
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P939813
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Iso-Footcandle Lines of Horizontal Illumination

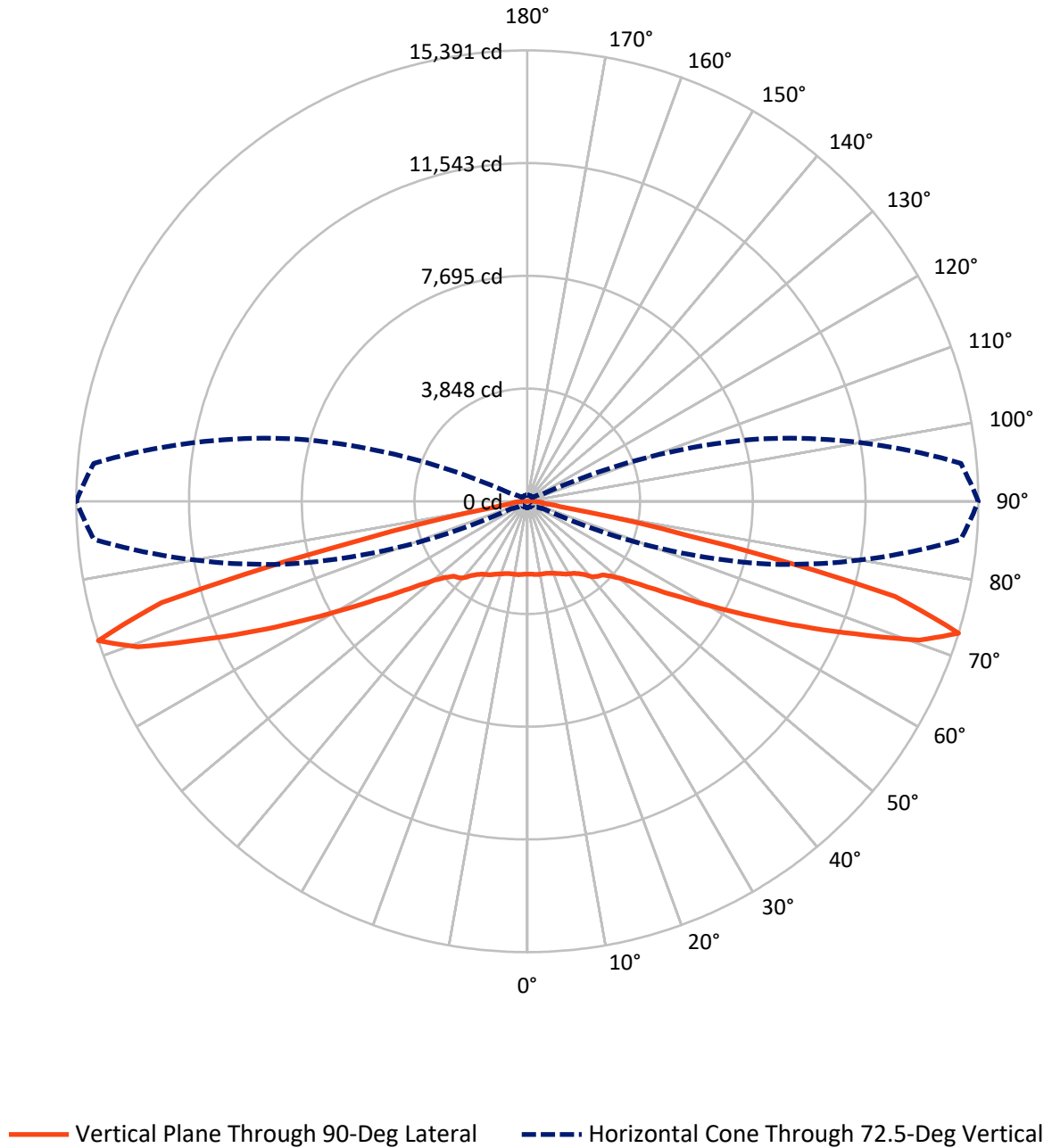
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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	6656.5	0.0	6656.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6656.5	0.0	6656.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13313.0	0.0	13313.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.2	1.8
10°-20°	737.5	5.5
20°-30°	1229.8	9.2
30°-40°	1691.3	12.7
40°-50°	2065.5	15.5
50°-60°	2389.0	17.9
60°-70°	2848.5	21.4
70°-80°	1988.1	14.9
80°-90°	122.1	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°	13313.0	100.0
0°-180°	13313.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939813

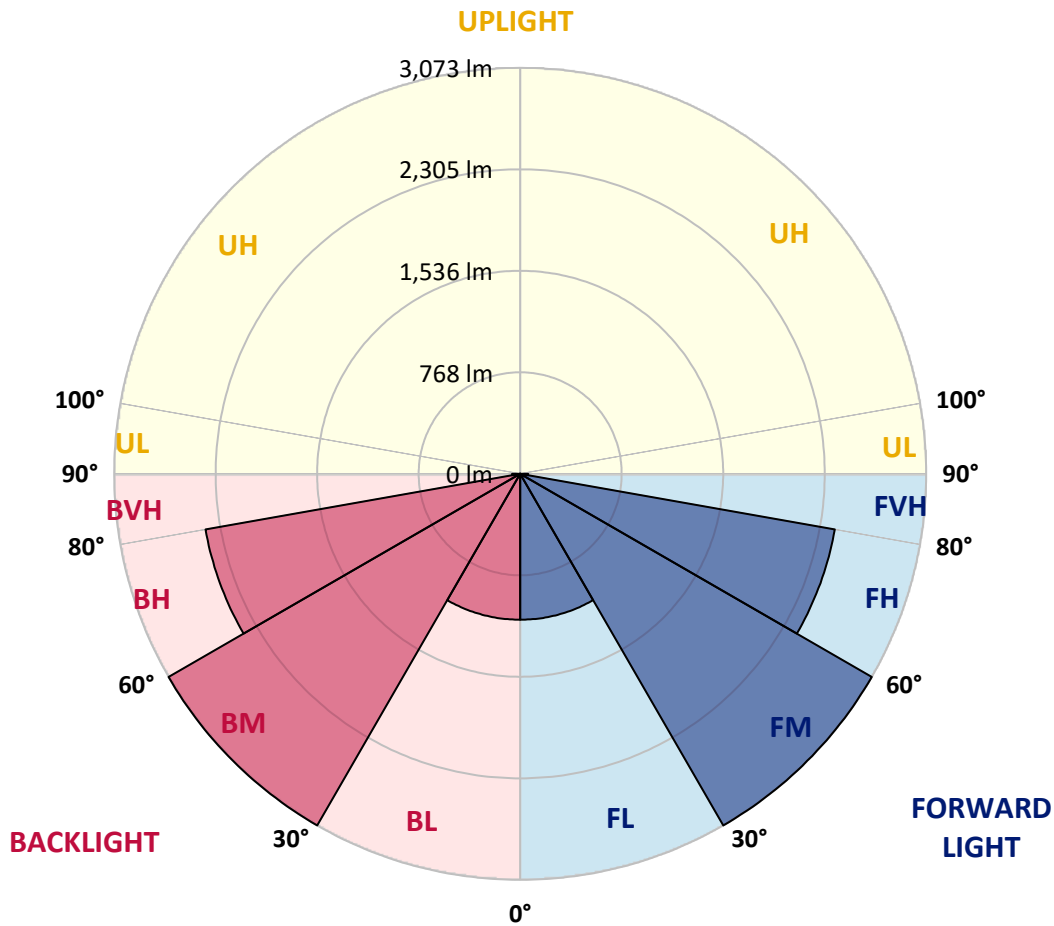
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1104.2	8.3			
FM (30°-60°)	3072.9	23.1			
FH (60°-80°)	2418.3	18.2			G2/5000
FVH (80°-90°)	61.1	0.5			G1/100
BL (0°-30°)	1104.2	8.3	B3/2500		
BM (30°-60°)	3072.9	23.1	B3/5000		
BH (60°-80°)	2418.3	18.2	B3/2500		G3/2500
BVH (80°-90°)	61.1	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°	2487.7	2487.7	2487.7	2487.7	2487.7	2487.7	2487.7	2487.7	2487.7	2487.7
2.5°	2489.8	2492.6	2492.6	2490.5	2495.5	2491.2	2491.2	2489.1	2491.2	2489.1
5°	2502.5	2506.1	2507.5	2506.8	2513.1	2509.6	2509.6	2506.8	2507.5	2505.4
7.5°	2526.6	2531.5	2534.4	2537.9	2547.1	2542.9	2540.0	2531.5	2528.0	2522.3
10°	2534.4	2540.0	2549.2	2567.6	2588.9	2589.6	2581.1	2559.8	2543.6	2530.8
12.5°	2510.3	2518.1	2537.2	2574.7	2622.1	2641.2	2627.8	2592.4	2560.6	2537.9
15°	2479.9	2488.4	2517.4	2574.0	2644.0	2688.6	2687.2	2640.5	2589.6	2554.2
17.5°	2432.5	2441.0	2482.7	2562.0	2661.0	2734.6	2754.4	2706.3	2634.8	2587.4
20°	2346.9	2354.7	2412.7	2523.8	2666.7	2783.4	2835.1	2792.6	2703.5	2639.1
22.5°	2235.8	2247.8	2315.7	2458.0	2653.2	2834.4	2927.1	2898.0	2783.4	2694.3
25°	2116.9	2129.7	2208.9	2377.3	2618.6	2871.2	3036.0	3017.6	2874.0	2762.9
27.5°	2014.3	2027.8	2114.1	2297.3	2564.8	2885.3	3143.6	3152.8	2983.7	2838.6
30°	1933.7	1946.4	2038.4	2233.0	2495.5	2871.2	3237.7	3301.3	3095.4	2904.4
32.5°	1845.2	1861.5	1958.4	2154.4	2413.4	2837.2	3319.7	3461.9	3224.9	2975.2
35°	1733.4	1748.3	1850.2	2046.9	2305.8	2782.7	3388.4	3640.2	3410.3	3082.7
37.5°	1597.6	1611.8	1712.9	1912.5	2199.0	2706.3	3440.7	3841.2	3631.0	3237.7
40°	1461.0	1474.5	1569.3	1762.5	2070.9	2608.7	3459.1	4037.9	3884.3	3450.6
42.5°	1335.8	1347.8	1434.9	1614.6	1927.3	2484.1	3435.1	4209.1	4111.5	3599.2
45°	1220.5	1231.1	1308.2	1475.9	1778.0	2332.7	3362.9	4393.1	4381.7	3705.3
47.5°	1088.9	1099.5	1179.5	1341.5	1628.7	2155.1	3240.5	4574.2	4757.4	3945.9
50°	928.3	937.5	1019.6	1186.5	1473.8	1966.2	3070.7	4716.4	5231.5	4310.3
52.5°	738.0	747.9	827.8	994.8	1289.8	1763.2	2847.1	4809.1	5779.1	4842.3
55°	549.0	556.1	625.5	775.5	1062.0	1531.8	2566.9	4835.3	6400.3	5569.7
57.5°	398.3	402.6	447.2	558.9	805.2	1242.4	2226.6	4767.3	7139.7	6502.2
60°	322.6	324.0	337.5	387.0	559.7	915.5	1815.5	4533.9	7942.0	7704.3
62.5°	292.9	292.9	296.5	309.9	378.5	604.2	1318.1	4049.9	8802.4	9223.4
65°	272.4	272.4	273.8	280.2	298.6	384.9	832.1	3261.7	9527.6	11002.8
67.5°	254.0	254.7	254.0	256.1	266.7	284.4	482.5	2252.8	9918.2	12846.6
70°	234.9	236.3	232.8	232.8	241.3	242.0	302.1	1235.3	9594.1	14391.9
72.5°	212.3	214.4	208.7	207.3	213.7	210.8	227.1	592.9	8237.1	14853.2
75°	192.4	195.3	182.5	179.0	179.0	176.9	184.7	304.2	5346.1	12116.4
77.5°	174.8	180.4	159.9	148.6	145.8	139.4	150.7	186.1	2338.4	5688.5
80°	144.3	152.1	131.6	118.2	113.2	106.1	118.9	130.2	695.5	1321.0
82.5°	107.5	111.1	93.4	84.2	80.0	75.0	89.1	90.6	226.4	467.7
85°	68.6	70.0	57.3	49.5	47.4	45.3	56.6	49.5	86.3	343.9
87.5°	24.1	27.6	21.9	19.8	21.2	17.7	26.2	14.9	24.1	242.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2487.7
2489.1
2505.4
2522.3
2528.7
2534.4
2548.5
2579.7
2627.1
2678.0
2740.3
2814.6
2869.7
2931.3
3033.9
3172.6
3381.3
3510.1
3585.1
3807.2
4136.2
4628.0
5301.5
6164.7
7279.1
8653.8
10282.5
12069.0
14187.4
15390.9
12959.8
5570.4
1265.1
528.5
499.5
300.7
0.0

OF REPORT)