

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: P940103

Luminaire Tested: **GALN-SB3A-735-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940103
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-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13314 lumens
Efficiency: N/A
Efficacy: 157.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

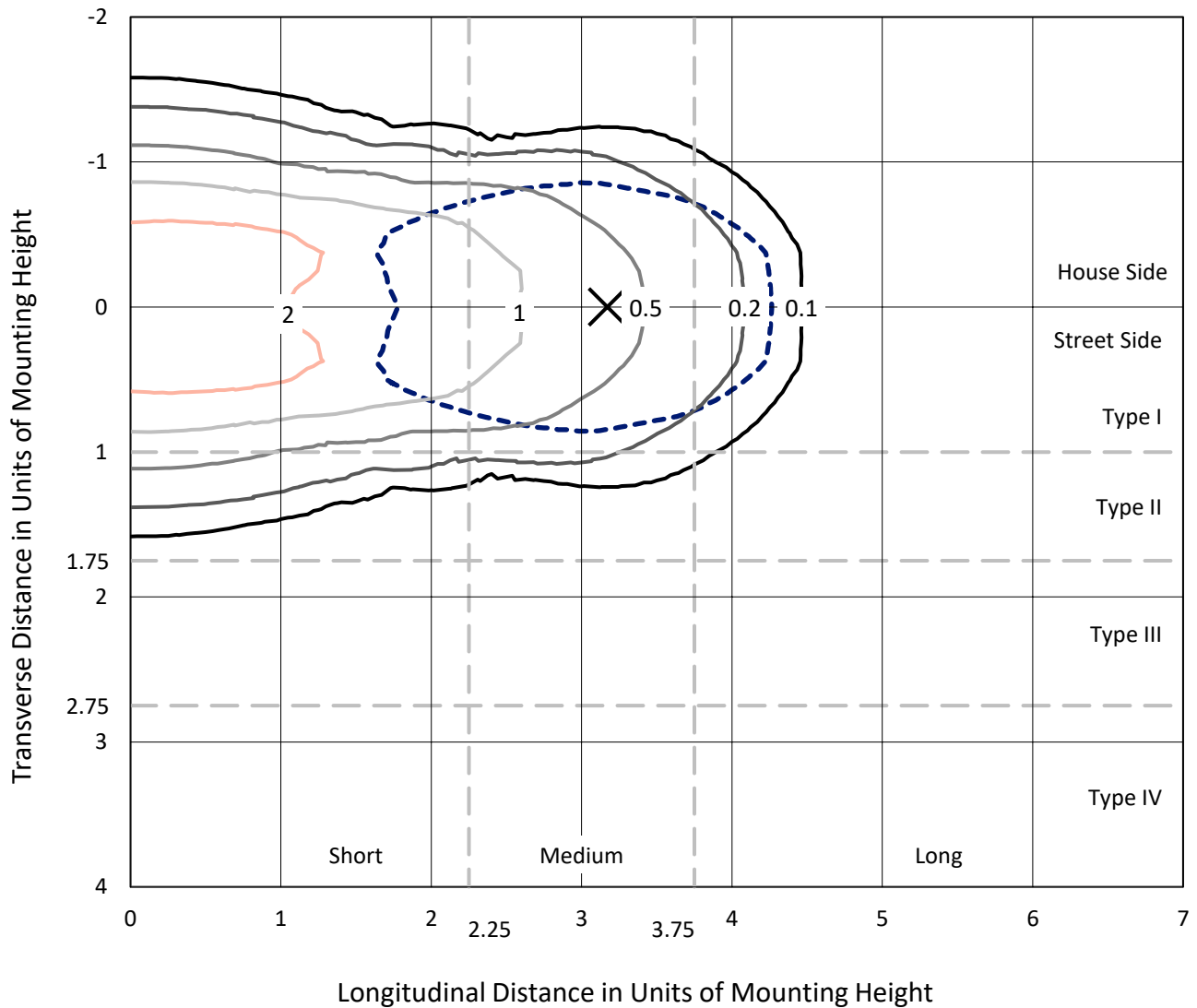
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

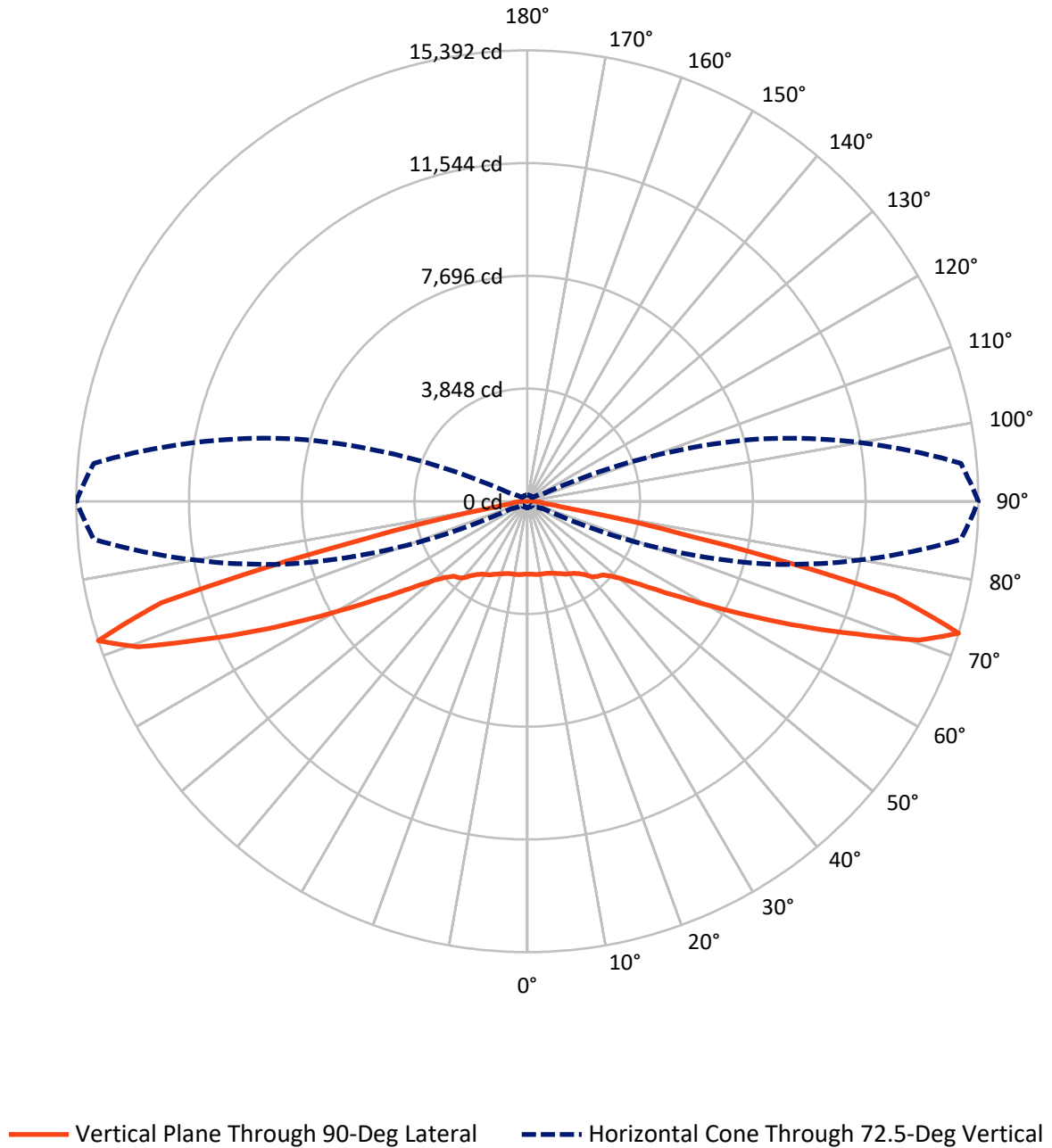
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	6657.0	0.0	6657.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6657.0	0.0	6657.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13314.0	0.0	13314.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.2	1.8
10°-20°	737.6	5.5
20°-30°	1229.8	9.2
30°-40°	1691.4	12.7
40°-50°	2065.7	15.5
50°-60°	2389.2	17.9
60°-70°	2848.7	21.4
70°-80°	1988.2	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°	13314.0	100.0
0°-180°	13314.0	100.0

Coefficient of Utilization



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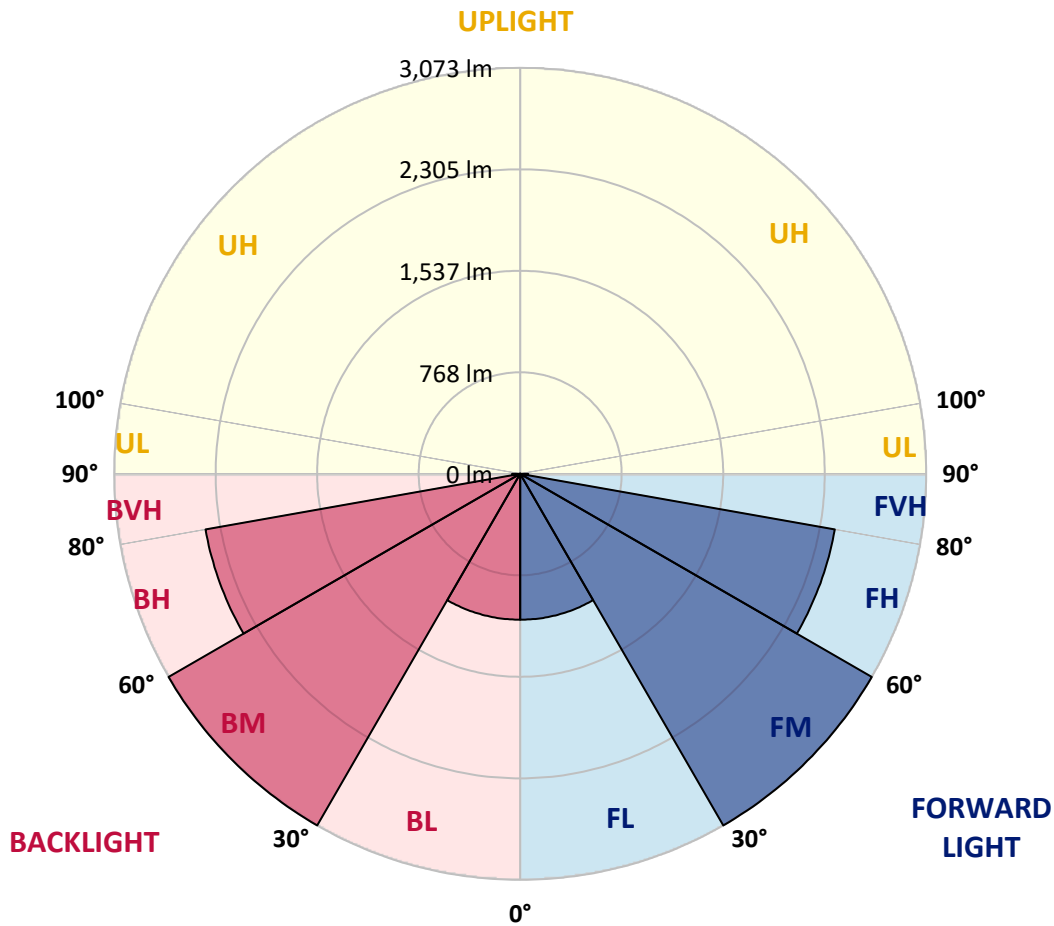
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1104.3	8.3			
FM (30°-60°)	3073.1	23.1			
FH (60°-80°)	2418.5	18.2			G2/5000
FVH (80°-90°)	61.1	0.5			G1/100
BL (0°-30°)	1104.3	8.3	B3/2500		
BM (30°-60°)	3073.1	23.1	B3/5000		
BH (60°-80°)	2418.5	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°	2487.9	2487.9	2487.9	2487.9	2487.9	2487.9	2487.9	2487.9	2487.9	2487.9
2.5°	2490.0	2492.8	2492.8	2490.7	2495.6	2491.4	2491.4	2489.3	2491.4	2489.3
5°	2502.7	2506.3	2507.7	2507.0	2513.3	2509.8	2509.8	2507.0	2507.7	2505.6
7.5°	2526.8	2531.7	2534.6	2538.1	2547.3	2543.1	2540.2	2531.7	2528.2	2522.5
10°	2534.6	2540.2	2549.4	2567.8	2589.0	2589.8	2581.3	2560.0	2543.8	2531.0
12.5°	2510.5	2518.3	2537.4	2574.9	2622.3	2641.4	2628.0	2592.6	2560.7	2538.1
15°	2480.1	2488.6	2517.6	2574.2	2644.2	2688.8	2687.4	2640.7	2589.8	2554.4
17.5°	2432.7	2441.2	2482.9	2562.2	2661.2	2734.8	2754.6	2706.5	2635.0	2587.6
20°	2347.1	2354.8	2412.9	2523.9	2666.9	2783.6	2835.3	2792.8	2703.7	2639.3
22.5°	2236.0	2248.0	2315.9	2458.1	2653.4	2834.6	2927.3	2898.3	2783.6	2694.5
25°	2117.1	2129.8	2209.1	2377.5	2618.8	2871.4	3036.2	3017.8	2874.2	2763.1
27.5°	2014.5	2027.9	2114.3	2297.5	2565.0	2885.5	3143.8	3153.0	2983.9	2838.8
30°	1933.8	1946.6	2038.5	2233.1	2495.6	2871.4	3237.9	3301.6	3095.7	2904.6
32.5°	1845.4	1861.7	1958.6	2154.6	2413.6	2837.4	3320.0	3462.2	3225.2	2975.4
35°	1733.6	1748.4	1850.3	2047.0	2306.0	2782.9	3388.6	3640.5	3410.5	3082.9
37.5°	1597.7	1611.9	1713.1	1912.6	2199.2	2706.5	3441.0	3841.5	3631.3	3237.9
40°	1461.2	1474.6	1569.4	1762.6	2071.1	2608.9	3459.4	4038.2	3884.6	3450.9
42.5°	1335.9	1347.9	1435.0	1614.7	1927.5	2484.3	3435.3	4209.4	4111.8	3599.5
45°	1220.6	1231.2	1308.3	1476.0	1778.2	2332.9	3363.1	4393.4	4382.1	3705.6
47.5°	1089.0	1099.6	1179.5	1341.6	1628.9	2155.3	3240.7	4574.5	4757.8	3946.2
50°	928.3	937.5	1019.6	1186.6	1473.9	1966.4	3070.9	4716.7	5231.9	4310.6
52.5°	738.0	747.9	827.9	994.9	1289.9	1763.3	2847.3	4809.4	5779.5	4842.7
55°	549.1	556.2	625.5	775.5	1062.1	1531.9	2567.1	4835.6	6400.8	5570.1
57.5°	398.4	402.6	447.2	559.0	805.2	1242.5	2226.8	4767.7	7140.2	6502.7
60°	322.7	324.1	337.5	387.0	559.7	915.6	1815.7	4534.2	7942.6	7704.9
62.5°	292.9	292.9	296.5	309.9	378.6	604.3	1318.2	4050.2	8803.0	9224.1
65°	272.4	272.4	273.8	280.2	298.6	384.9	832.1	3262.0	9528.3	11003.6
67.5°	254.0	254.7	254.0	256.1	266.8	284.4	482.6	2252.9	9918.9	12847.6
70°	234.9	236.3	232.8	232.8	241.3	242.0	302.1	1235.4	9594.8	14392.9
72.5°	212.3	214.4	208.7	207.3	213.7	210.9	227.1	593.0	8237.7	14854.3
75°	192.5	195.3	182.6	179.0	179.0	176.9	184.7	304.3	5346.5	12117.4
77.5°	174.8	180.4	159.9	148.6	145.8	139.4	150.7	186.1	2338.6	5689.0
80°	144.3	152.1	131.6	118.2	113.2	106.1	118.9	130.2	695.6	1321.1
82.5°	107.6	111.1	93.4	84.2	80.0	75.0	89.2	90.6	226.4	467.7
85°	68.6	70.1	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°

2487.9
2489.3
2505.6
2522.5
2528.9
2534.6
2548.7
2579.8
2627.3
2678.2
2740.5
2814.8
2870.0
2931.5
3034.1
3172.8
3381.5
3510.3
3585.3
3807.5
4136.5
4628.3
5301.9
6165.2
7279.6
8654.4
10283.3
12069.9
14188.5
15392.1
12960.8
5570.8
1265.2
528.6
499.6
300.7
0.0

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