

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: P939763

Luminaire Tested: **GALN-SB2C-735-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939763
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-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14816 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

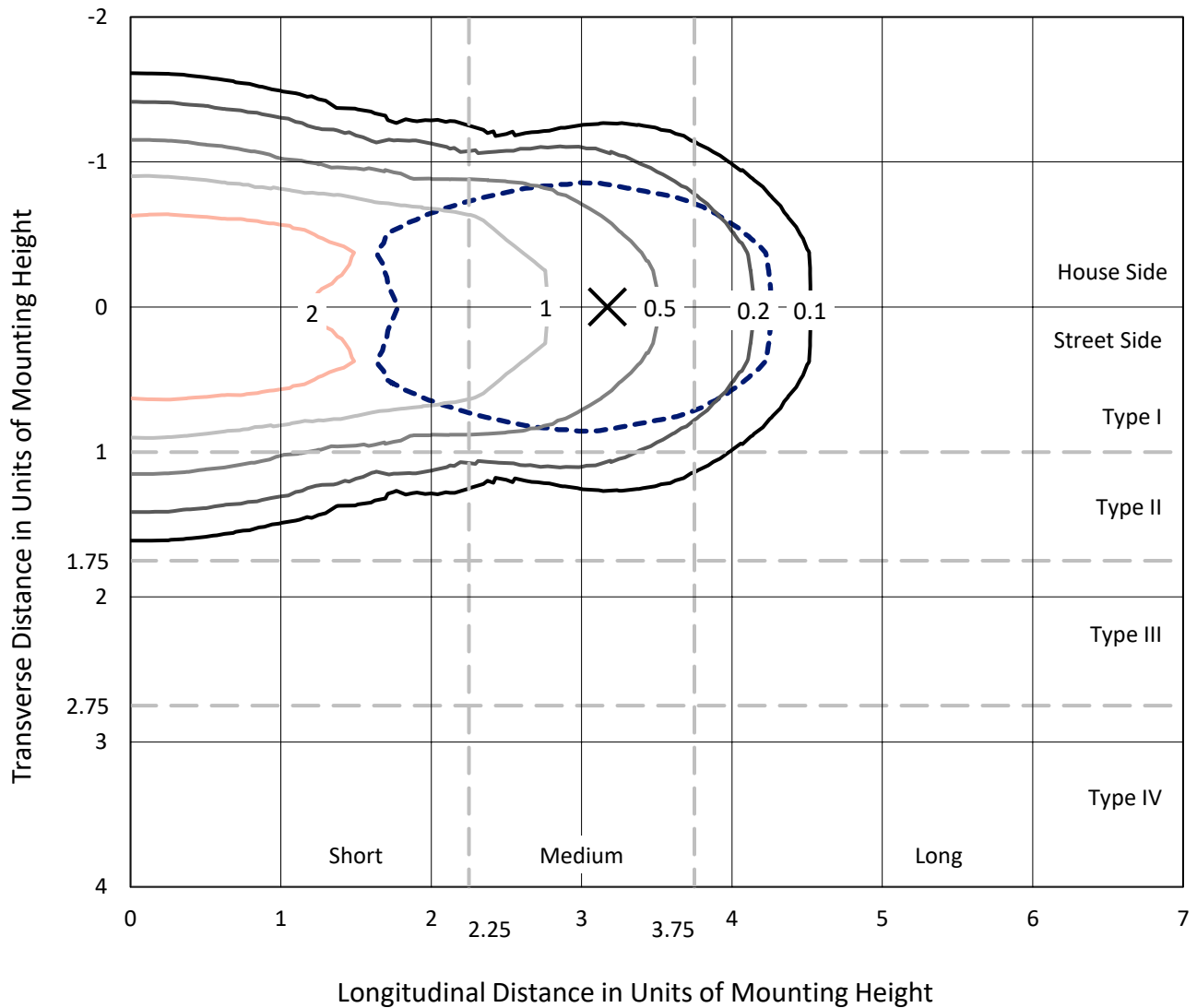
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

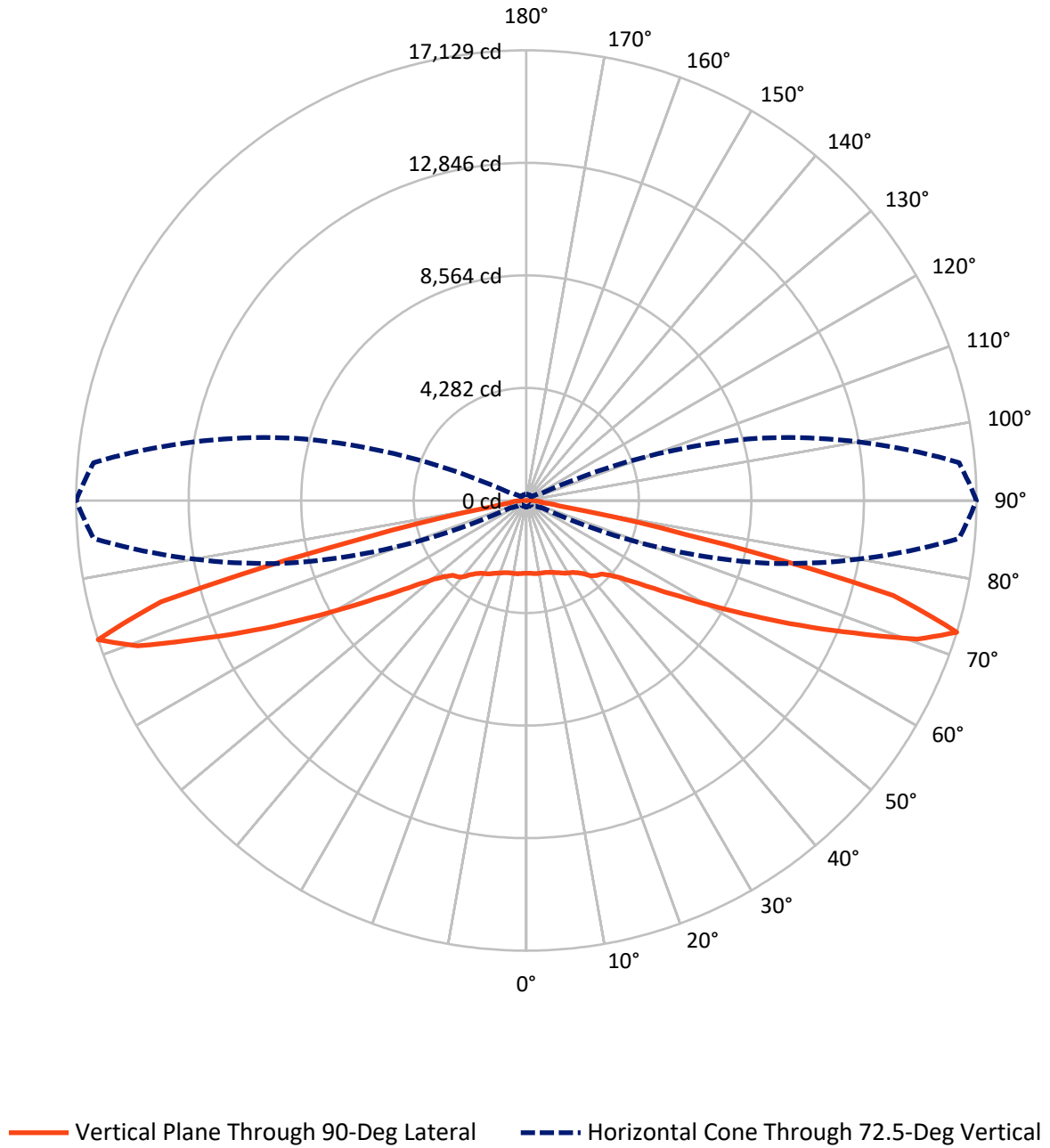
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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	7408.0	0.0	7408.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7408.0	0.0	7408.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14816.0	0.0	14816.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.4	1.8
10°-20°	820.8	5.5
20°-30°	1368.6	9.2
30°-40°	1882.2	12.7
40°-50°	2298.7	15.5
50°-60°	2658.7	17.9
60°-70°	3170.1	21.4
70°-80°	2212.5	14.9
80°-90°	135.9	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°	14816.0	100.0
0°-180°	14816.0	100.0

Coefficient of Utilization



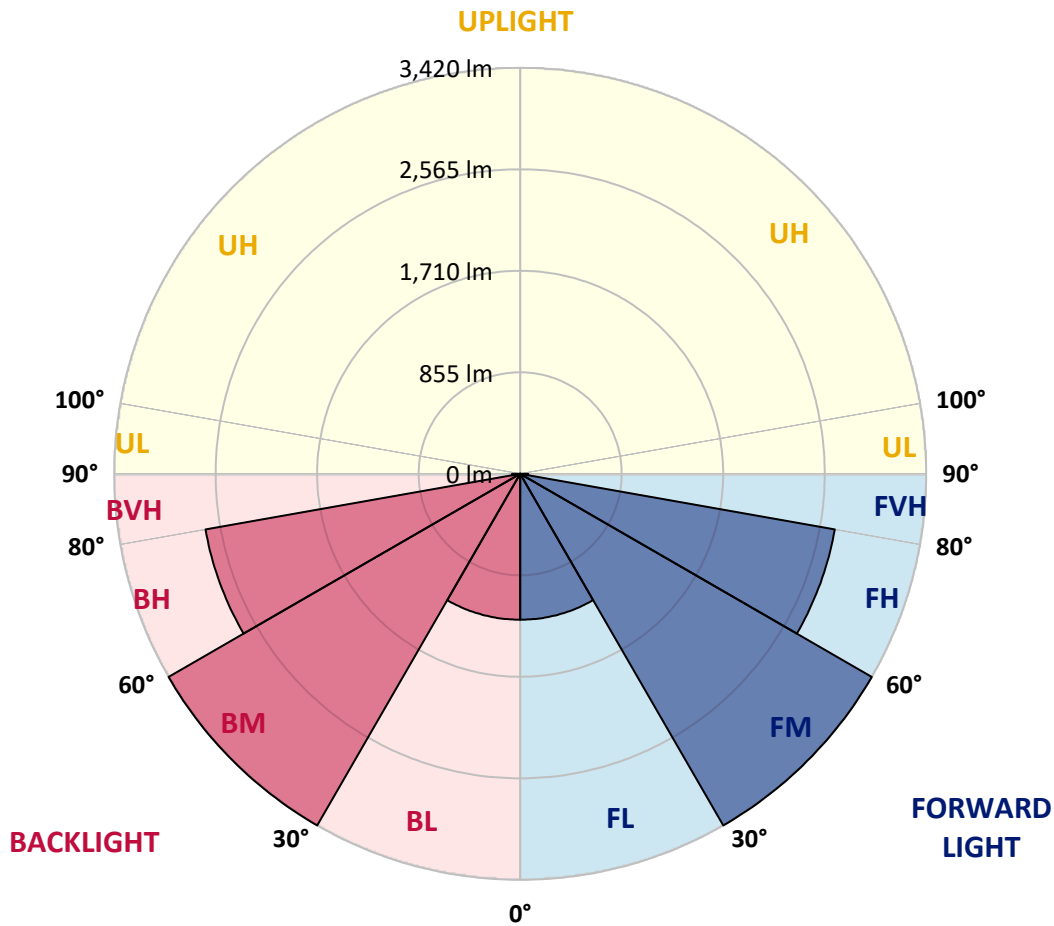
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1228.9	8.3			
FM	(30°-60°)	3419.8	23.1			
FH	(60°-80°)	2691.3	18.2			G2/5000
FVH	(80°-90°)	67.9	0.5			G1/100
BL	(0°-30°)	1228.9	8.3	B3/2500		
BM	(30°-60°)	3419.8	23.1	B3/5000		
BH	(60°-80°)	2691.3	18.2	B4/5000		G4/5000
BVH	(80°-90°)	67.9	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2768.5	2768.5	2768.5	2768.5	2768.5	2768.5	2768.5	2768.5	2768.5	2768.5
2.5°	2770.9	2774.0	2774.0	2771.7	2777.2	2772.5	2772.5	2770.1	2772.5	2770.1
5°	2785.1	2789.0	2790.6	2789.8	2796.9	2792.9	2792.9	2789.8	2790.6	2788.2
7.5°	2811.8	2817.3	2820.5	2824.4	2834.7	2829.9	2826.8	2817.3	2813.4	2807.1
10°	2820.5	2826.8	2837.0	2857.5	2881.1	2881.9	2872.5	2848.8	2830.7	2816.6
12.5°	2793.7	2802.4	2823.6	2865.4	2918.1	2939.4	2924.4	2885.1	2849.6	2824.4
15°	2759.9	2769.3	2801.6	2864.6	2942.5	2992.1	2990.6	2938.6	2881.9	2842.5
17.5°	2707.1	2716.6	2763.0	2851.2	2961.4	3043.3	3065.4	3011.8	2932.3	2879.6
20°	2611.8	2620.5	2685.1	2808.7	2967.7	3097.7	3155.1	3107.9	3008.7	2937.0
22.5°	2488.2	2501.6	2577.2	2735.5	2952.8	3154.4	3257.5	3225.2	3097.7	2998.4
25°	2355.9	2370.1	2458.3	2645.7	2914.2	3195.3	3378.8	3358.3	3198.5	3074.8
27.5°	2241.8	2256.7	2352.8	2556.7	2854.4	3211.0	3498.5	3508.7	3320.5	3159.1
30°	2152.0	2166.2	2268.5	2485.1	2777.2	3195.3	3603.2	3674.0	3444.9	3232.3
32.5°	2053.6	2071.7	2179.5	2397.7	2685.8	3157.5	3694.5	3852.8	3589.0	3311.1
35°	1929.1	1945.7	2059.1	2278.0	2566.2	3096.9	3770.9	4051.2	3795.3	3430.7
37.5°	1778.0	1793.7	1906.3	2128.4	2447.3	3011.8	3829.2	4274.8	4041.0	3603.2
40°	1626.0	1641.0	1746.5	1961.4	2304.7	2903.2	3849.6	4493.7	4322.9	3840.2
42.5°	1486.6	1500.0	1596.9	1796.9	2144.9	2764.6	3822.9	4684.3	4575.6	4005.5
45°	1358.3	1370.1	1455.9	1642.5	1978.8	2596.1	3742.5	4889.0	4876.4	4123.7
47.5°	1211.8	1223.6	1312.6	1492.9	1812.6	2398.4	3606.3	5090.6	5294.5	4391.4
50°	1033.1	1043.3	1134.7	1320.5	1640.2	2188.2	3417.4	5248.9	5822.1	4796.9
52.5°	821.3	832.3	921.3	1107.1	1435.4	1962.2	3168.5	5352.0	6431.5	5389.0
55°	611.0	618.9	696.1	863.0	1181.9	1704.7	2856.7	5381.1	7122.9	6198.5
57.5°	443.3	448.0	497.6	622.1	896.1	1382.7	2478.0	5305.6	7945.7	7236.3
60°	359.1	360.6	375.6	430.7	622.8	1018.9	2020.5	5045.7	8838.7	8574.1
62.5°	326.0	326.0	329.9	344.9	421.3	672.4	1466.9	4507.1	9796.1	10264.6
65°	303.2	303.2	304.7	311.8	332.3	428.3	926.0	3630.0	10603.2	12245.0
67.5°	282.7	283.5	282.7	285.0	296.9	316.5	537.0	2507.1	11037.9	14297.0
70°	261.4	263.0	259.1	259.1	268.5	269.3	336.2	1374.8	10677.3	16016.7
72.5°	236.2	238.6	232.3	230.7	237.8	234.6	252.8	659.8	9167.0	16530.1
75°	214.2	217.3	203.2	199.2	199.2	196.9	205.5	338.6	5949.7	13484.4
77.5°	194.5	200.8	178.0	165.4	162.2	155.1	167.7	207.1	2602.4	6330.8
80°	160.6	169.3	146.5	131.5	126.0	118.1	132.3	144.9	774.0	1470.1
82.5°	119.7	123.6	103.9	93.7	89.0	83.5	99.2	100.8	252.0	520.5
85°	76.4	78.0	63.8	55.1	52.8	50.4	63.0	55.1	96.1	382.7
87.5°	26.8	30.7	24.4	22.0	23.6	19.7	29.1	16.5	26.8	270.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2768.5
2770.1
2788.2
2807.1
2814.2
2820.5
2836.2
2870.9
2923.6
2980.3
3049.6
3132.3
3193.7
3262.2
3376.4
3530.7
3763.0
3906.3
3989.8
4237.0
4603.2
5150.4
5900.0
6860.7
8100.9
9630.8
11443.4
13431.6
15789.1
17128.5
14422.9
6199.3
1407.9
588.2
555.9
334.6
0.0

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