

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: P940313

Luminaire Tested: **GALN-SB3B-827-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940313
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-SB3B-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14534 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

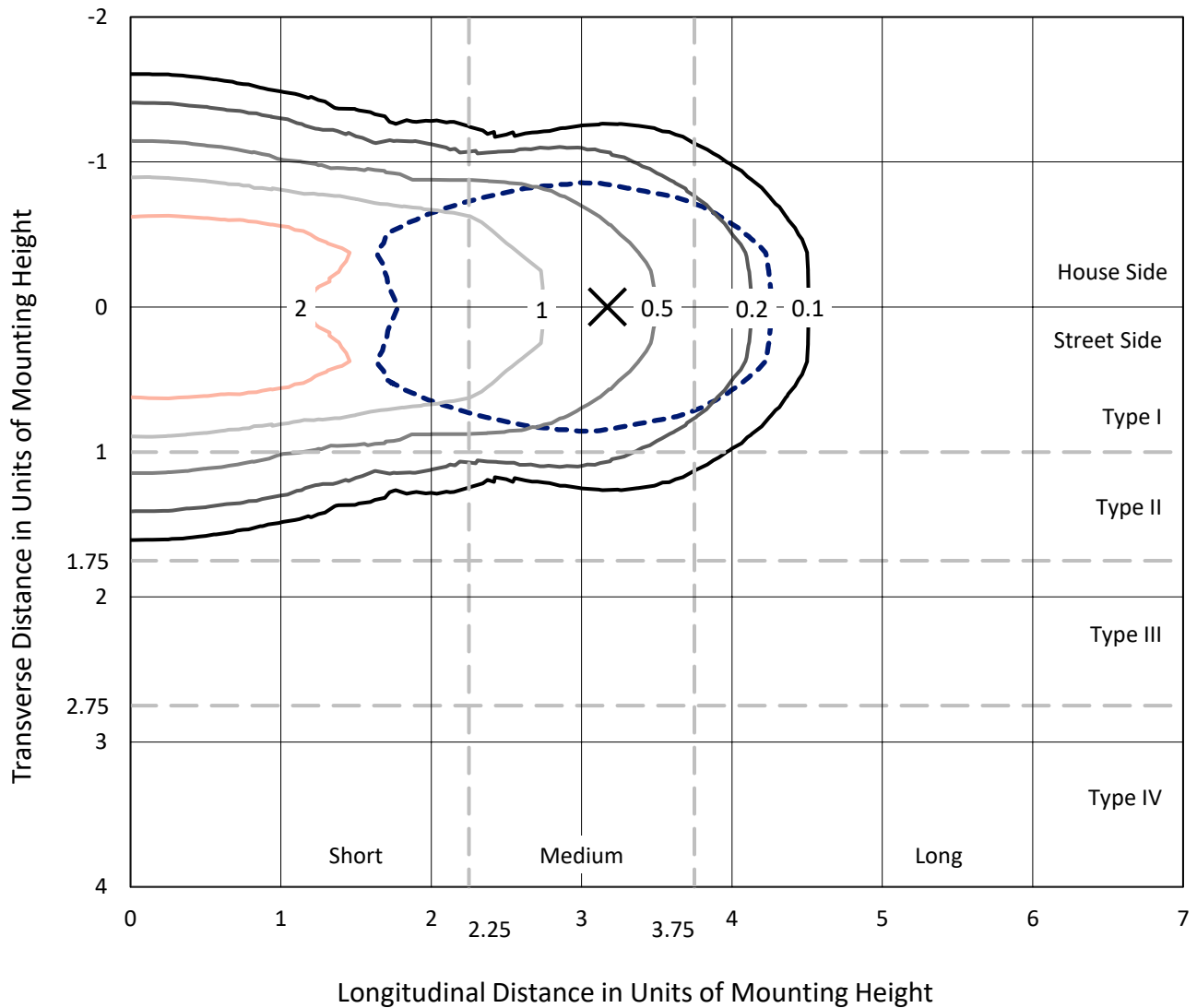
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940313
 CATALOG NUMBER: GALN-SB3B-827-U-T1

Iso-Footcandle Lines of Horizontal Illumination

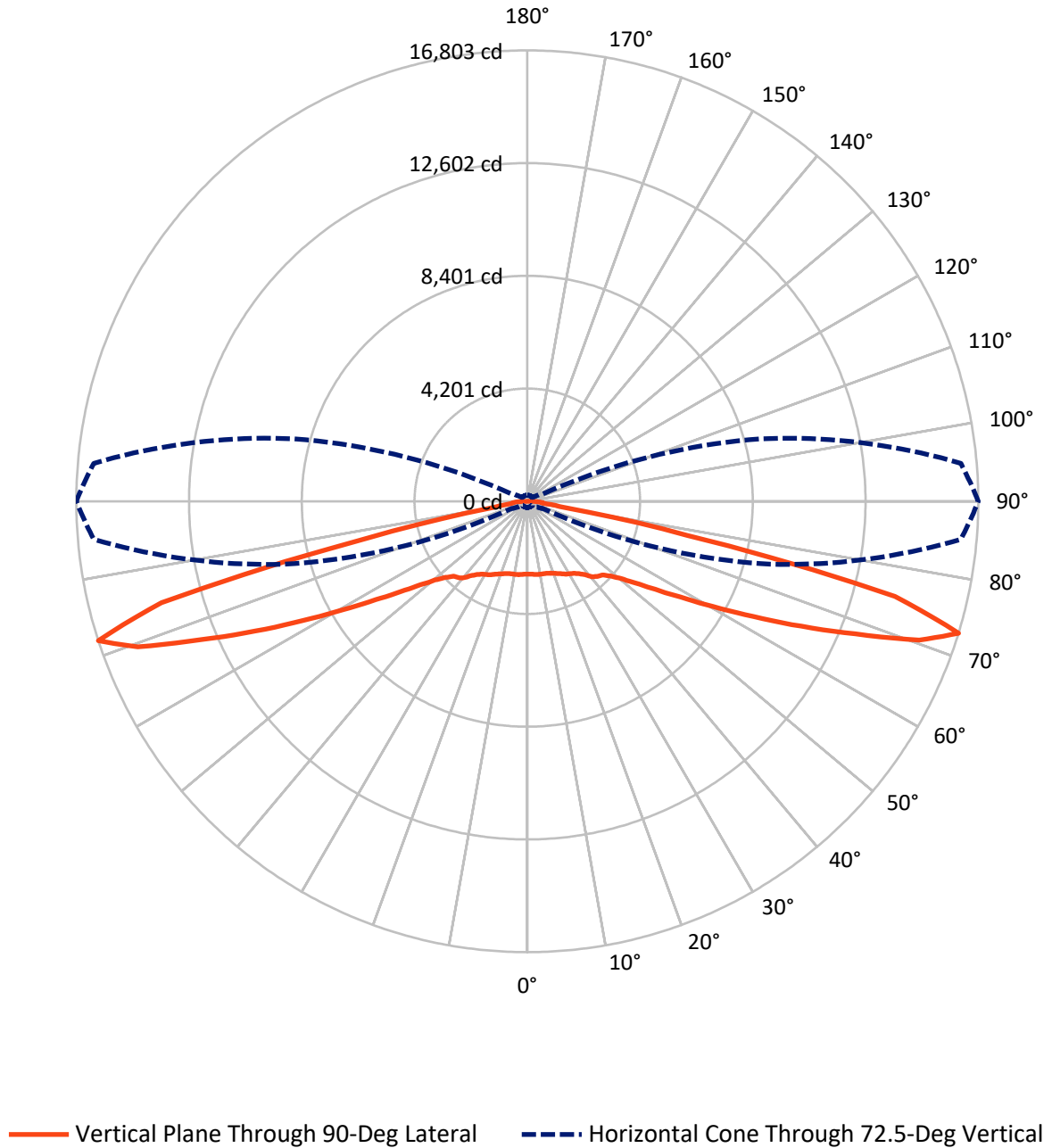
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P940313
CATALOG NUMBER: GALN-SB3B-827-U-T1

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7267.0	0.0	7267.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7267.0	0.0	7267.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14534.0	0.0	14534.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.3	1.8
10°-20°	805.2	5.5
20°-30°	1342.5	9.2
30°-40°	1846.4	12.7
40°-50°	2255.0	15.5
50°-60°	2608.1	17.9
60°-70°	3109.7	21.4
70°-80°	2170.4	14.9
80°-90°	133.3	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°	14534.0	100.0
0°-180°	14534.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940313

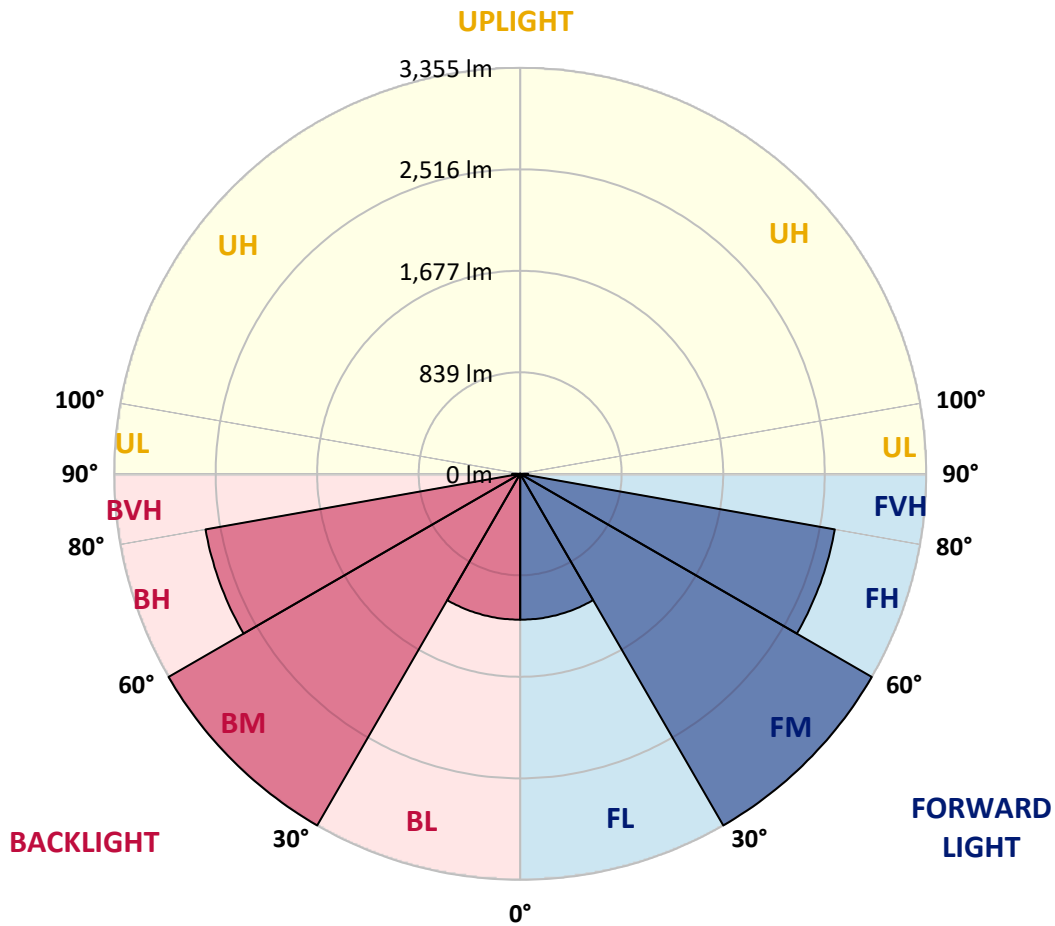
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1205.5	8.3			
FM (30°-60°)	3354.8	23.1			
FH (60°-80°)	2640.1	18.2			G2/5000
FVH (80°-90°)	66.7	0.5			G1/100
BL (0°-30°)	1205.5	8.3	B3/2500		
BM (30°-60°)	3354.8	23.1	B3/5000		
BH (60°-80°)	2640.1	18.2	B4/5000		G4/5000
BVH (80°-90°)	66.7	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°	2715.8	2715.8	2715.8	2715.8	2715.8	2715.8	2715.8	2715.8	2715.8	2715.8
2.5°	2718.1	2721.2	2721.2	2718.9	2724.3	2719.7	2719.7	2717.4	2719.7	2717.4
5°	2732.1	2735.9	2737.5	2736.7	2743.6	2739.8	2739.8	2736.7	2737.5	2735.1
7.5°	2758.3	2763.7	2766.8	2770.7	2780.7	2776.1	2773.0	2763.7	2759.9	2753.7
10°	2766.8	2773.0	2783.0	2803.1	2826.3	2827.1	2817.8	2794.6	2776.9	2762.9
12.5°	2740.5	2749.0	2769.9	2810.8	2862.6	2883.4	2868.8	2830.1	2795.4	2770.7
15°	2707.3	2716.6	2748.3	2810.1	2886.5	2935.2	2933.7	2882.7	2827.1	2788.4
17.5°	2655.6	2664.9	2710.4	2796.9	2905.1	2985.4	3007.0	2954.5	2876.5	2824.7
20°	2562.1	2570.6	2634.0	2755.2	2911.3	3038.7	3095.1	3048.7	2951.4	2881.1
22.5°	2440.8	2454.0	2528.1	2683.4	2896.6	3094.3	3195.5	3163.8	3038.7	2941.4
25°	2311.1	2325.0	2411.5	2595.3	2858.7	3134.5	3314.5	3294.4	3137.6	3016.3
27.5°	2199.1	2213.8	2308.0	2508.1	2800.0	3149.9	3431.9	3441.9	3257.3	3099.0
30°	2111.0	2124.9	2225.3	2437.8	2724.3	3134.5	3534.6	3604.1	3379.3	3170.8
32.5°	2014.5	2032.2	2138.1	2352.0	2634.7	3097.4	3624.2	3779.5	3520.7	3248.0
35°	1892.4	1908.7	2019.9	2234.6	2517.3	3037.9	3699.1	3974.1	3723.1	3365.4
37.5°	1744.1	1759.6	1870.0	2087.9	2400.7	2954.5	3756.3	4193.5	3964.1	3534.6
40°	1595.0	1609.7	1713.2	1924.1	2260.9	2847.9	3776.4	4408.2	4240.6	3767.1
42.5°	1458.3	1471.5	1566.5	1762.7	2104.1	2712.0	3750.1	4595.1	4488.5	3929.3
45°	1332.4	1344.0	1428.2	1611.3	1941.1	2546.7	3671.3	4796.0	4783.6	4045.2
47.5°	1188.8	1200.3	1287.6	1464.5	1778.1	2352.8	3537.7	4993.7	5193.8	4307.8
50°	1013.4	1023.5	1113.1	1295.3	1609.0	2146.6	3352.3	5149.0	5711.3	4705.6
52.5°	805.6	816.4	903.7	1086.0	1408.1	1924.9	3108.2	5250.1	6309.1	5286.4
55°	599.4	607.1	682.8	846.6	1159.4	1672.3	2802.3	5278.7	6987.3	6080.5
57.5°	434.9	439.5	488.2	610.2	879.0	1356.4	2430.8	5204.6	7794.5	7098.5
60°	352.2	353.8	368.4	422.5	611.0	999.5	1982.0	4949.7	8670.4	8410.9
62.5°	319.8	319.8	323.6	338.3	413.2	659.6	1439.0	4421.3	9609.7	10069.3
65°	297.4	297.4	298.9	305.9	326.0	420.2	908.4	3560.9	10401.4	12011.9
67.5°	277.3	278.1	277.3	279.6	291.2	310.5	526.8	2459.4	10827.8	14024.8
70°	256.4	258.0	254.1	254.1	263.4	264.2	329.8	1348.6	10474.0	15711.8
72.5°	231.7	234.0	227.9	226.3	233.3	230.2	247.9	647.3	8992.5	16215.4
75°	210.1	213.2	199.3	195.4	195.4	193.1	201.6	332.1	5836.4	13227.7
77.5°	190.8	197.0	174.6	162.2	159.1	152.2	164.5	203.1	2552.9	6210.3
80°	157.6	166.1	143.7	129.0	123.6	115.9	129.8	142.1	759.3	1442.1
82.5°	117.4	121.3	102.0	91.9	87.3	81.9	97.3	98.9	247.2	510.6
85°	74.9	76.5	62.6	54.1	51.8	49.4	61.8	54.1	94.2	375.4
87.5°	26.3	30.1	23.9	21.6	23.2	19.3	28.6	16.2	26.3	264.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2715.8
2717.4
2735.1
2753.7
2760.6
2766.8
2782.3
2816.2
2868.0
2923.6
2991.6
3072.7
3132.9
3200.1
3312.1
3463.5
3691.4
3832.0
3913.9
4156.4
4515.6
5052.4
5787.7
6730.1
7946.7
9447.5
11225.6
13176.0
15488.6
16802.5
14148.4
6081.3
1381.1
577.0
545.3
328.3
0.0

OF REPORT)