

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: P952117

Luminaire Tested: **GALN-SB6A-827-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952117
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-827-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24772 lumens
Efficiency: N/A
Efficacy: 145.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

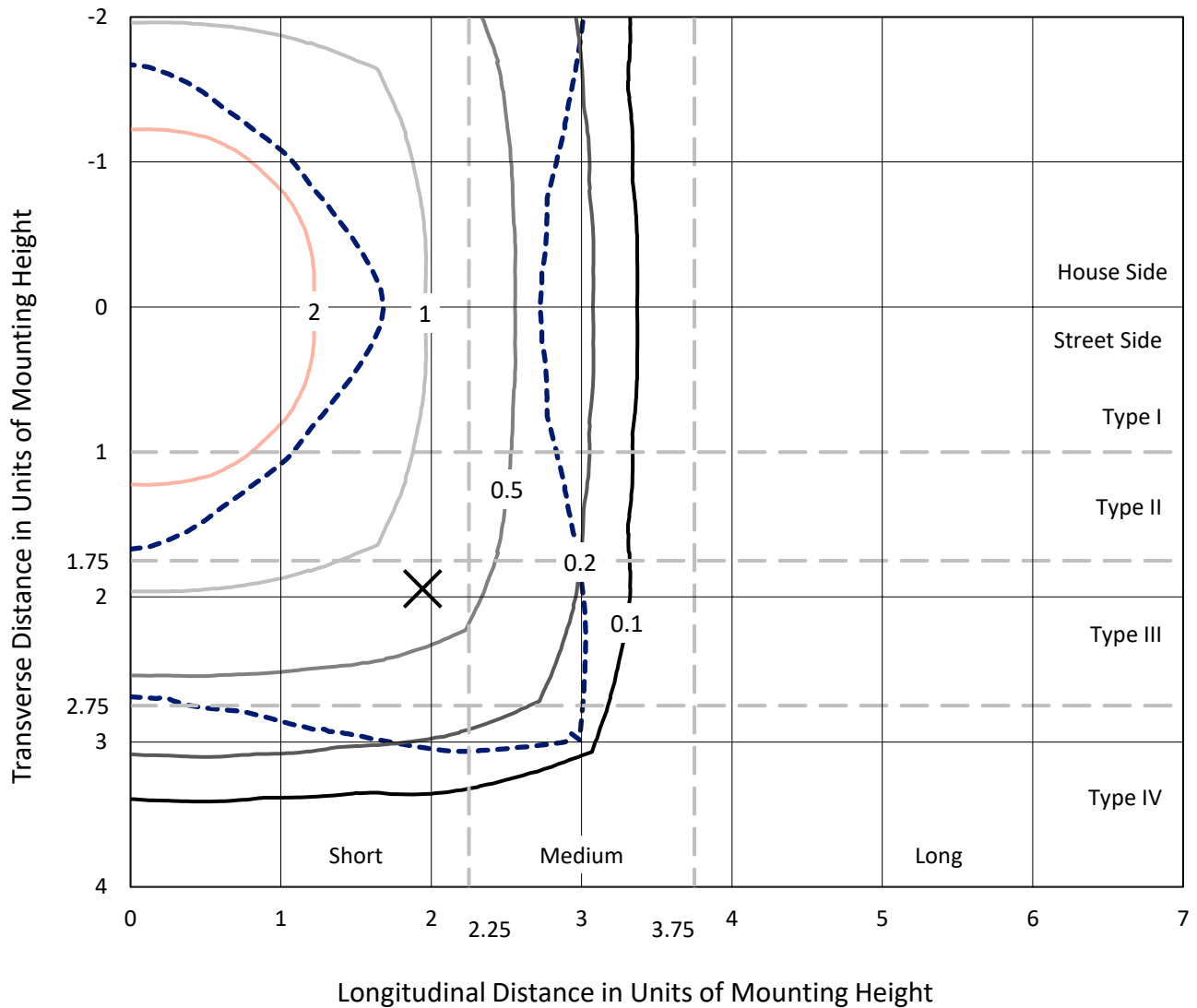
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952117
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Iso-Footcandle Lines of Horizontal Illumination

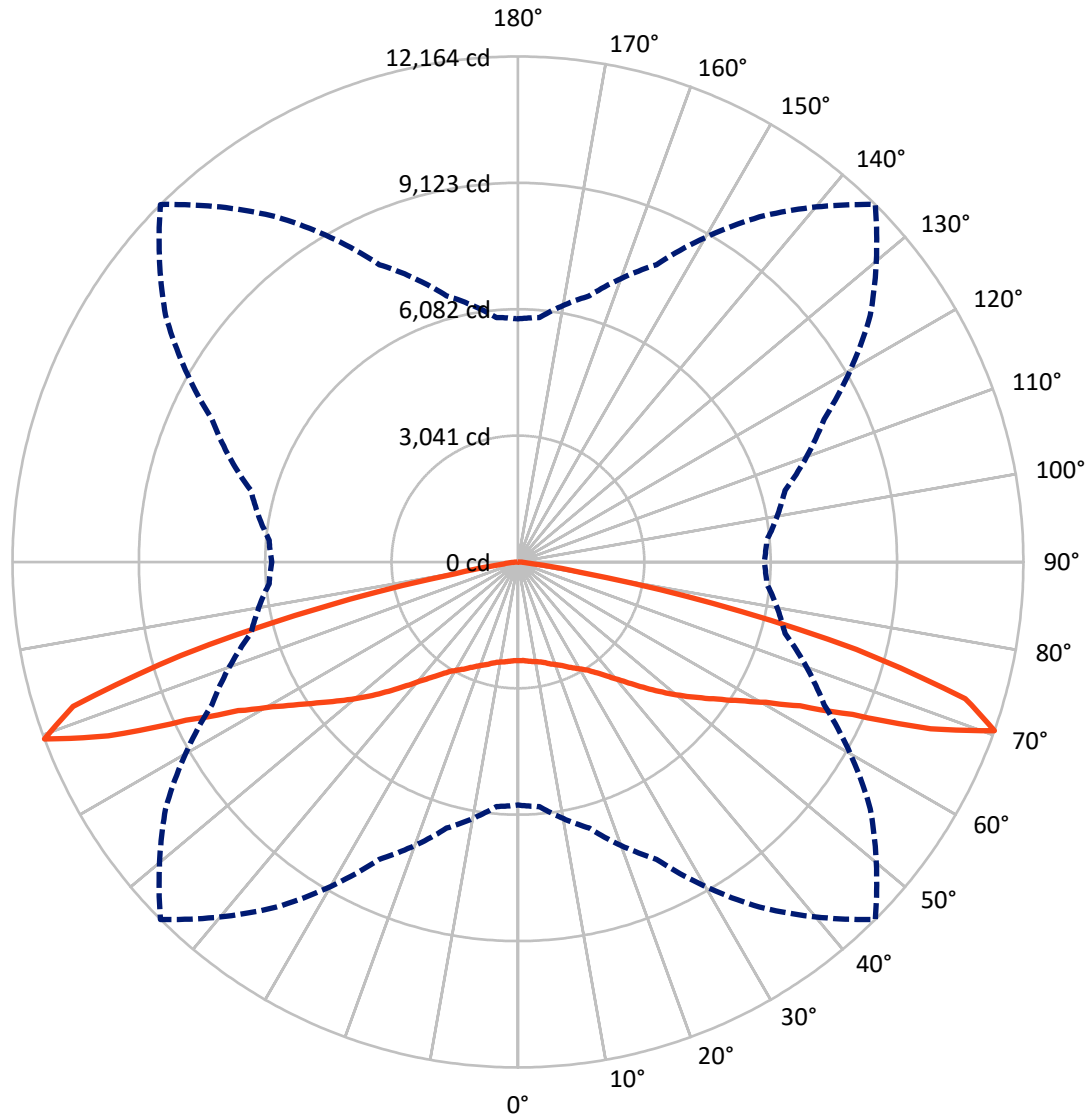
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type V - Short - N/A

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CATALOG NUMBER: GALN-SB6A-827-U-5MQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12386.0	0.0	12386.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12386.0	0.0	12386.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24772.0	0.0	24772.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.5	0.9
10°-20°	714.8	2.9
20°-30°	1277.5	5.2
30°-40°	2070.8	8.4
40°-50°	3373.0	13.6
50°-60°	5142.7	20.8
60°-70°	7650.7	30.9
70°-80°	4169.9	16.8
80°-90°	142.0	0.6
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°	24772.0	100.0
0°-180°	24772.0	100.0

Coefficient of Utilization



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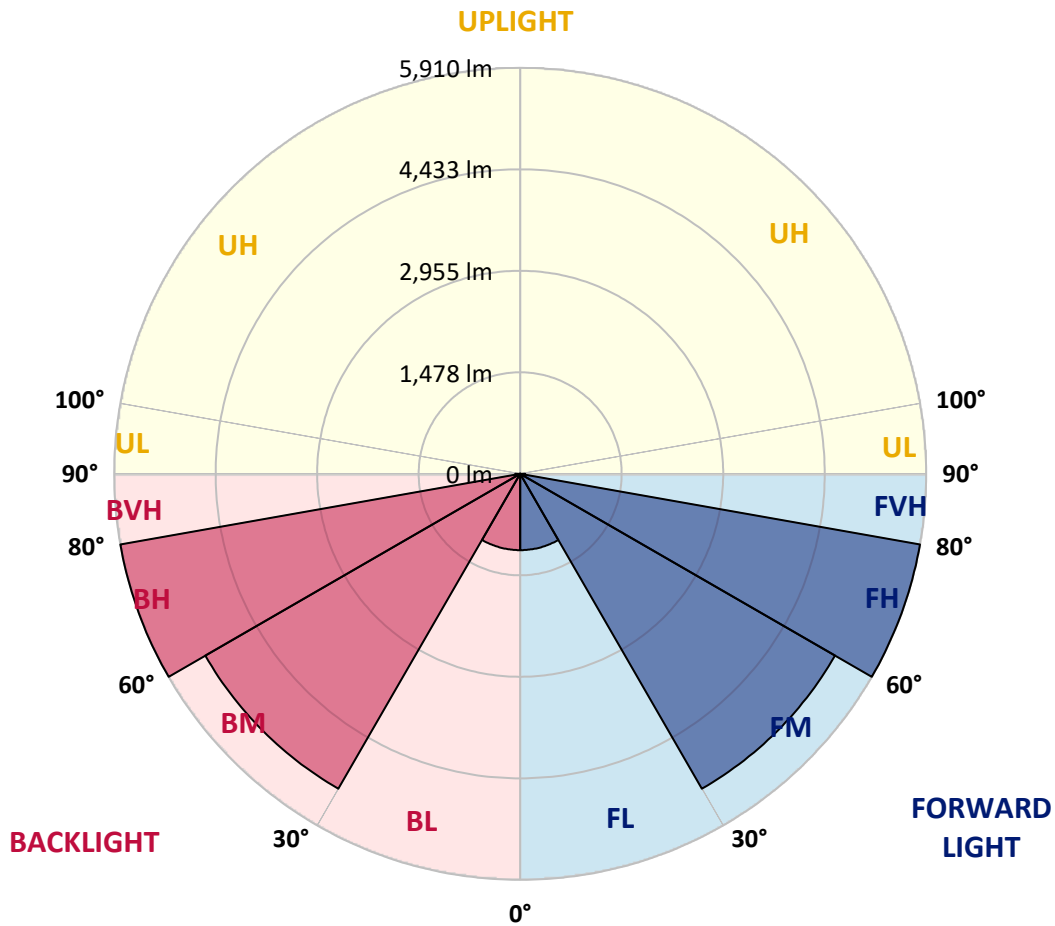
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1111.4	4.5			
FM (30°-60°)	5293.3	21.4			
FH (60°-80°)	5910.3	23.9			G3/7500
FVH (80°-90°)	71.0	0.3			G1/100
BL (0°-30°)	1111.4	4.5	B3/2500		
BM (30°-60°)	5293.3	21.4	B4/8500		
BH (60°-80°)	5910.3	23.9	B5		G3/7500
BVH (80°-90°)	71.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9
2.5°	2384.1	2386.6	2381.6	2379.1	2376.6	2372.9	2374.1	2380.4	2385.3	2384.1
5°	2404.0	2406.5	2402.7	2401.5	2396.5	2395.3	2395.3	2401.5	2405.2	2402.7
7.5°	2426.4	2430.1	2423.9	2422.6	2420.2	2417.7	2416.4	2422.6	2426.4	2426.4
10°	2447.5	2451.3	2446.3	2442.5	2440.1	2440.1	2437.6	2442.5	2448.8	2447.5
12.5°	2469.9	2472.4	2467.4	2464.9	2464.9	2468.7	2464.9	2467.4	2472.4	2469.9
15°	2497.3	2498.5	2497.3	2501.0	2507.2	2519.7	2508.5	2506.0	2508.5	2502.2
17.5°	2534.6	2537.1	2542.0	2550.7	2559.5	2581.8	2561.9	2555.7	2555.7	2543.3
20°	2580.6	2584.3	2591.8	2606.7	2617.9	2639.0	2619.1	2610.4	2606.7	2590.5
22.5°	2629.1	2635.3	2646.5	2666.4	2686.3	2706.2	2686.3	2671.4	2660.2	2639.0
25°	2685.1	2692.5	2709.9	2742.3	2769.6	2798.2	2774.6	2744.8	2722.4	2692.5
27.5°	2764.7	2773.4	2794.5	2834.3	2869.1	2894.0	2871.6	2833.1	2802.0	2765.9
30°	2876.6	2885.3	2910.2	2952.4	2976.1	2992.2	2977.3	2947.5	2910.2	2869.1
32.5°	3020.8	3032.0	3059.4	3099.2	3104.2	3106.7	3101.7	3086.8	3059.4	3009.7
35°	3203.7	3216.1	3247.2	3279.5	3274.6	3279.5	3272.1	3267.1	3247.2	3190.0
37.5°	3427.5	3442.4	3474.8	3499.7	3487.2	3481.0	3482.2	3483.5	3472.3	3408.9
40°	3687.4	3707.3	3731.0	3757.1	3736.0	3717.3	3729.7	3739.7	3729.7	3665.1
42.5°	3954.8	3983.4	4008.3	4045.6	4028.2	4004.6	4022.0	4033.2	4012.0	3942.4
45°	4252.1	4279.4	4311.8	4367.7	4355.3	4330.4	4355.3	4357.8	4321.7	4239.6
47.5°	4559.3	4587.9	4636.4	4711.0	4706.0	4678.6	4711.0	4693.6	4647.6	4549.3
50°	4850.3	4890.1	4964.7	5069.2	5079.1	5045.5	5089.1	5055.5	4978.4	4855.2
52.5°	5123.9	5166.2	5284.3	5426.1	5462.1	5418.6	5477.1	5418.6	5303.0	5145.0
55°	5411.2	5458.4	5599.0	5784.3	5856.4	5824.1	5878.8	5790.5	5626.3	5434.8
57.5°	5749.4	5778.0	5945.9	6166.1	6287.9	6295.4	6320.3	6171.0	5972.1	5754.4
60°	6116.3	6156.1	6338.9	6602.6	6795.4	6857.5	6831.4	6610.0	6378.7	6128.8
62.5°	6586.4	6629.9	6848.8	7164.7	7469.4	7623.6	7521.6	7200.8	6914.7	6615.0
65°	6975.7	7024.2	7419.7	7983.0	8537.7	8847.4	8591.2	8000.5	7485.6	7062.7
67.5°	6693.4	6753.1	7373.7	8408.4	9787.6	10711.6	9834.9	8535.2	7526.6	6953.3
70°	5850.2	5906.1	6629.9	7894.7	10139.6	12164.2	10351.0	8127.3	6653.6	6011.8
72.5°	3883.9	4064.3	4796.8	6314.1	9053.8	11256.4	9143.4	6186.0	4449.8	3875.2
75°	1288.4	1432.7	1932.6	3273.3	6064.1	8418.3	5773.1	2896.5	1530.9	1101.9
77.5°	324.6	374.3	516.1	936.5	2418.9	4793.1	2177.6	764.9	416.6	291.0
80°	157.9	174.1	248.7	312.2	605.7	1523.5	568.4	293.5	196.5	151.7
82.5°	87.1	88.3	140.5	176.6	225.1	394.2	233.8	171.6	113.2	92.0
85°	53.5	52.2	74.6	94.5	94.5	140.5	111.9	94.5	64.7	57.2
87.5°	21.1	21.1	27.4	29.8	26.1	36.1	28.6	31.1	24.9	23.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2372.9
2385.3
2404.0
2426.4
2447.5
2468.7
2502.2
2543.3
2590.5
2637.8
2691.3
2764.7
2869.1
3010.9
3190.0
3408.9
3665.1
3947.4
4248.3
4543.1
4852.8
5130.1
5408.7
5724.6
6089.0
6562.8
6993.1
6867.5
5926.0
3749.6
1042.2
259.9
139.3
92.0
59.7
24.9
0.0

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