

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: P954007

Luminaire Tested: **GALN-SB7B-927-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954007  
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-SB7B-927-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

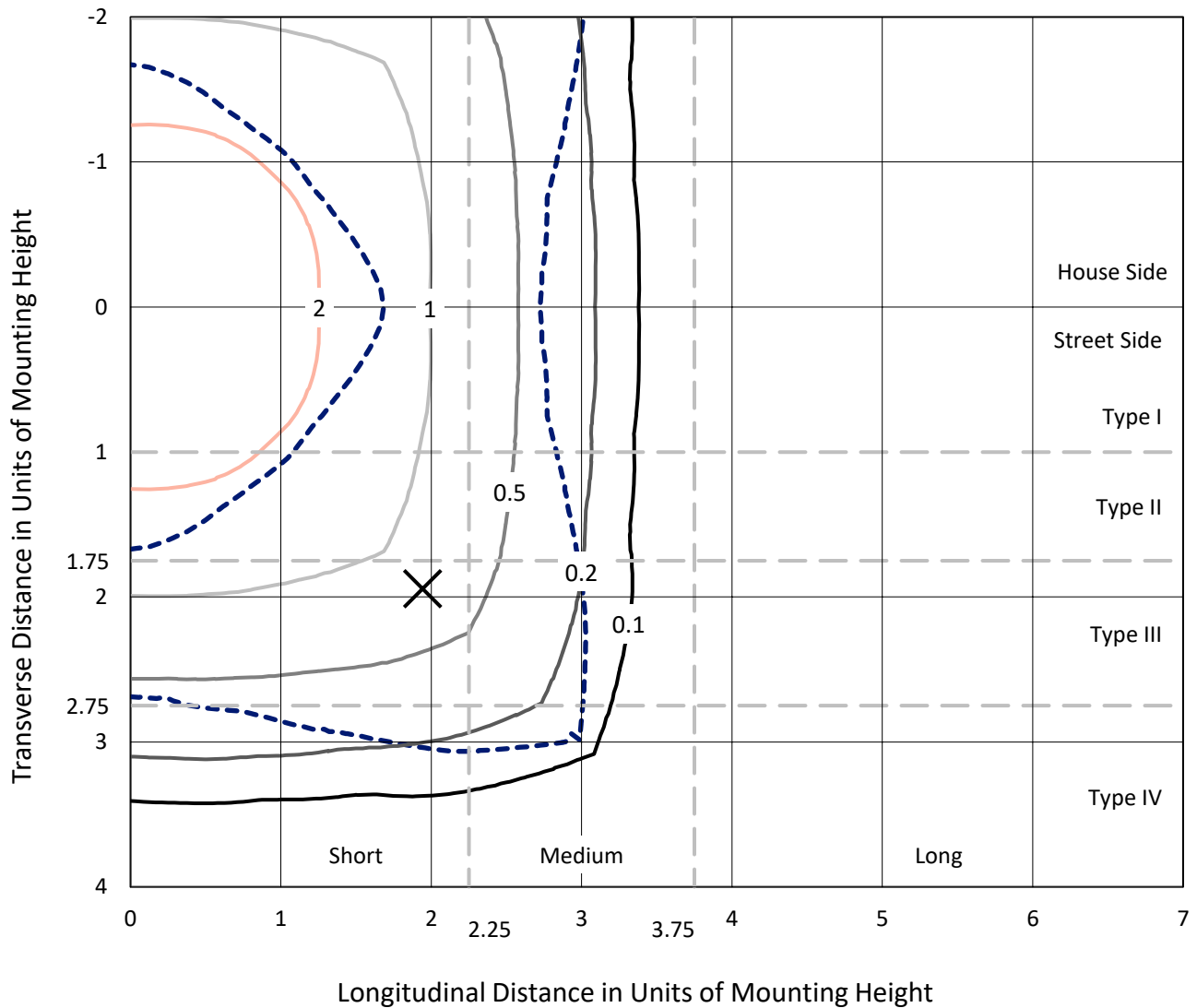
Lumens per Lamp: N/A  
Luminaire Lumens: 25528 lumens  
Efficiency: N/A  
Efficacy: 99.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

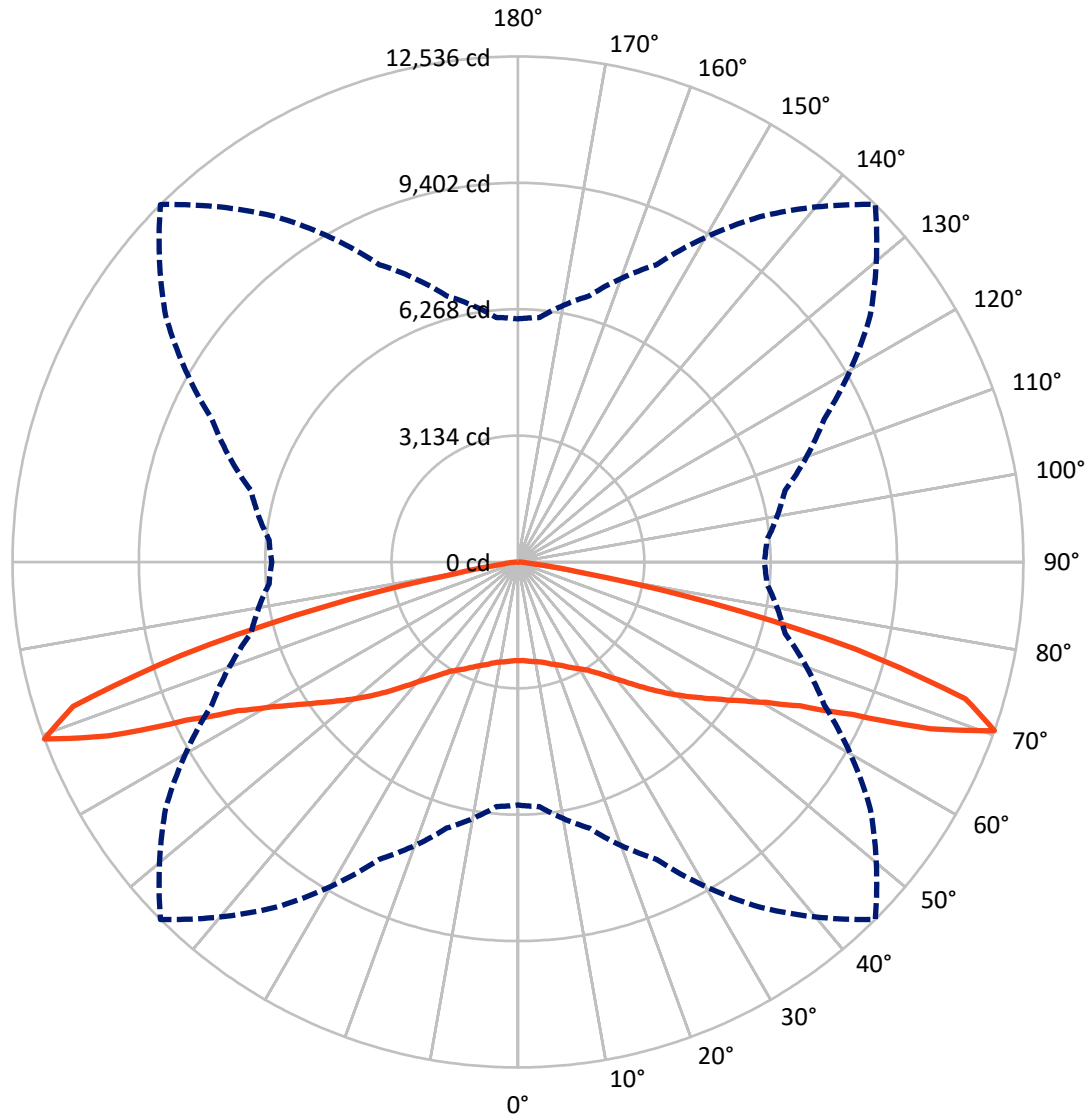
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc  
 Type V - Short - N/A

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### 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
<b>House Side</b>	Lumens	12764.0	0.0	12764.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12764.0	0.0	12764.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25528.0	0.0	25528.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.6	0.9
10°-20°	736.7	2.9
20°-30°	1316.5	5.2
30°-40°	2134.0	8.4
40°-50°	3476.0	13.6
50°-60°	5299.7	20.8
60°-70°	7884.2	30.9
70°-80°	4297.1	16.8
80°-90°	146.3	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°	25528.0	100.0
0°-180°	25528.0	100.0



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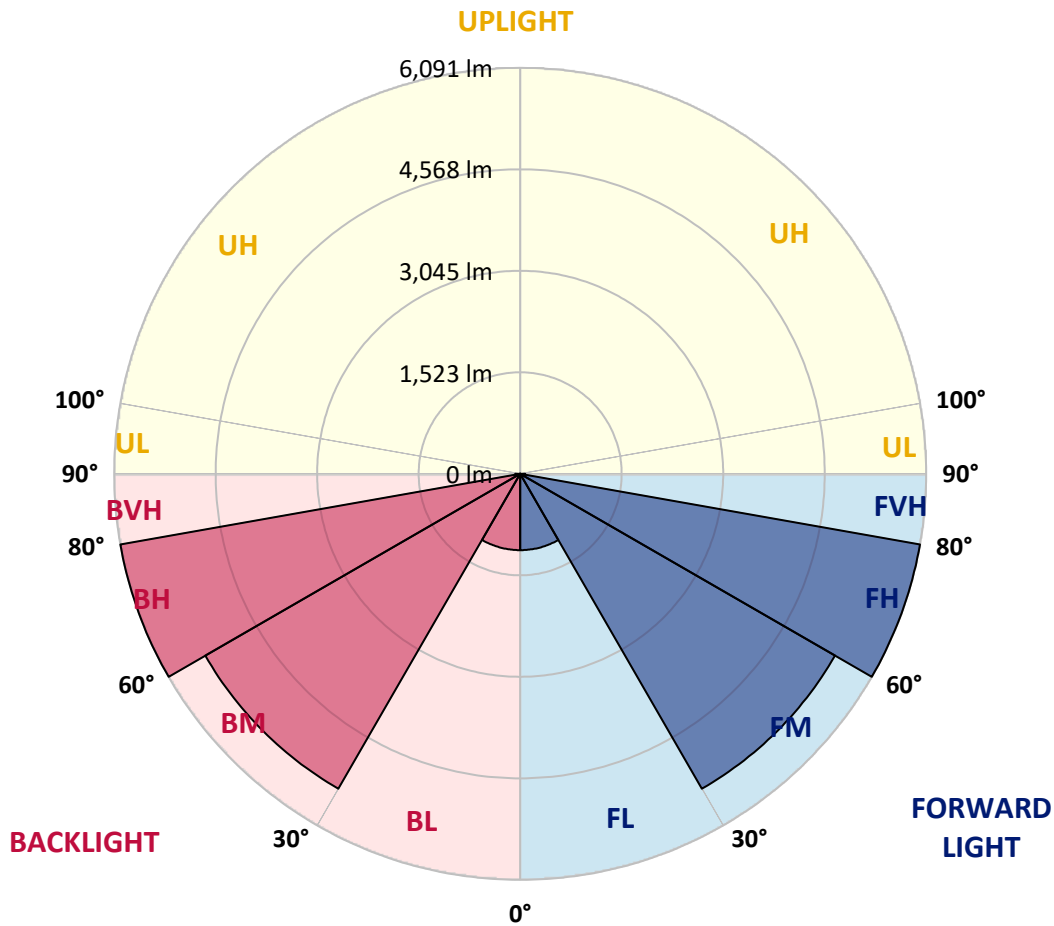
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1145.4	4.5			
FM (30°-60°)	5454.8	21.4			
FH (60°-80°)	6090.7	23.9			G3/7500
FVH (80°-90°)	73.2	0.3			G1/100
BL (0°-30°)	1145.4	4.5	B3/2500		
BM (30°-60°)	5454.8	21.4	B4/8500		
BH (60°-80°)	6090.7	23.9	B5		G3/7500
BVH (80°-90°)	73.2	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°	2445.3	2445.3	2445.3	2445.3	2445.3	2445.3	2445.3	2445.3	2445.3	2445.3
2.5°	2456.9	2459.4	2454.3	2451.7	2449.2	2445.3	2446.6	2453.0	2458.1	2456.9
5°	2477.4	2479.9	2476.1	2474.8	2469.7	2468.4	2468.4	2474.8	2478.6	2476.1
7.5°	2500.4	2504.3	2497.9	2496.6	2494.0	2491.5	2490.2	2496.6	2500.4	2500.4
10°	2522.2	2526.1	2520.9	2517.1	2514.5	2514.5	2512.0	2517.1	2523.5	2522.2
12.5°	2545.3	2547.8	2542.7	2540.2	2540.2	2544.0	2540.2	2542.7	2547.8	2545.3
15°	2573.5	2574.8	2573.5	2577.3	2583.7	2596.5	2585.0	2582.5	2585.0	2578.6
17.5°	2611.9	2614.5	2619.6	2628.6	2637.6	2660.6	2640.1	2633.7	2633.7	2620.9
20°	2659.3	2663.2	2670.9	2686.3	2697.8	2719.6	2699.1	2690.1	2686.3	2669.6
22.5°	2709.3	2715.7	2727.3	2747.8	2768.3	2788.8	2768.3	2752.9	2741.4	2719.6
25°	2767.0	2774.7	2792.6	2826.0	2854.2	2883.6	2859.3	2828.5	2805.5	2774.7
27.5°	2849.0	2858.0	2879.8	2920.8	2956.7	2982.3	2959.2	2919.5	2887.5	2850.3
30°	2964.4	2973.3	2999.0	3042.5	3066.9	3083.6	3068.2	3037.4	2999.0	2956.7
32.5°	3113.0	3124.6	3152.8	3193.8	3198.9	3201.5	3196.3	3181.0	3152.8	3101.5
35°	3301.4	3314.3	3346.3	3379.6	3374.5	3379.6	3371.9	3366.8	3346.3	3287.3
37.5°	3532.1	3547.5	3580.8	3606.5	3593.6	3587.2	3588.5	3589.8	3578.3	3512.9
40°	3800.0	3820.5	3844.8	3871.8	3850.0	3830.7	3843.6	3853.8	3843.6	3776.9
42.5°	4075.5	4105.0	4130.6	4169.1	4151.1	4126.8	4144.7	4156.3	4134.5	4062.7
45°	4381.8	4410.0	4443.4	4501.0	4488.2	4462.6	4488.2	4490.8	4453.6	4369.0
47.5°	4698.4	4727.9	4777.9	4854.8	4849.6	4821.4	4854.8	4836.8	4789.4	4688.1
50°	4998.3	5039.3	5116.2	5223.9	5234.1	5199.5	5244.4	5209.8	5130.3	5003.4
52.5°	5280.2	5323.8	5445.6	5591.7	5628.8	5584.0	5644.2	5584.0	5464.8	5302.0
55°	5576.3	5625.0	5769.8	5960.8	6035.1	6001.8	6058.2	5967.2	5798.0	5600.7
57.5°	5924.9	5954.4	6127.4	6354.2	6479.8	6487.5	6513.2	6359.4	6154.3	5930.0
60°	6303.0	6344.0	6532.4	6804.1	7002.7	7066.8	7039.9	6811.8	6573.4	6315.8
62.5°	6787.4	6832.3	7057.8	7383.4	7697.4	7856.3	7751.2	7420.5	7125.8	6816.9
65°	7188.6	7238.6	7646.1	8226.7	8798.3	9117.4	8853.4	8244.6	7714.0	7278.3
67.5°	6897.6	6959.2	7598.7	8665.0	10086.3	11038.5	10135.0	8795.7	7756.3	7165.5
70°	6028.7	6086.4	6832.3	8135.7	10449.0	12535.5	10666.9	8375.3	6856.6	6195.3
72.5°	4002.5	4188.3	4943.2	6506.8	9330.1	11599.9	9422.4	6374.7	4585.6	3993.5
75°	1327.8	1476.4	1991.6	3373.2	6249.1	8675.2	5949.2	2984.9	1577.7	1135.5
77.5°	334.5	385.8	531.9	965.1	2492.7	4939.3	2244.1	788.2	429.3	299.9
80°	162.8	179.4	256.3	321.7	624.1	1570.0	585.7	302.5	202.5	156.4
82.5°	89.7	91.0	144.8	182.0	232.0	406.3	240.9	176.9	116.6	94.8
85°	55.1	53.8	76.9	97.4	97.4	144.8	115.3	97.4	66.6	59.0
87.5°	21.8	21.8	28.2	30.8	26.9	37.2	29.5	32.0	25.6	24.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2445.3
2458.1
2477.4
2500.4
2522.2
2544.0
2578.6
2620.9
2669.6
2718.3
2773.4
2849.0
2956.7
3102.8
3287.3
3512.9
3776.9
4067.8
4378.0
4681.7
5000.9
5286.7
5573.7
5899.3
6274.8
6763.1
7206.5
7077.1
6106.9
3864.1
1074.0
267.9
143.5
94.8
61.5
25.6
0.0

OF REPORT)