

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: P950437

Luminaire Tested: **GALN-SB4D-927-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950437  
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-SB4D-927-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

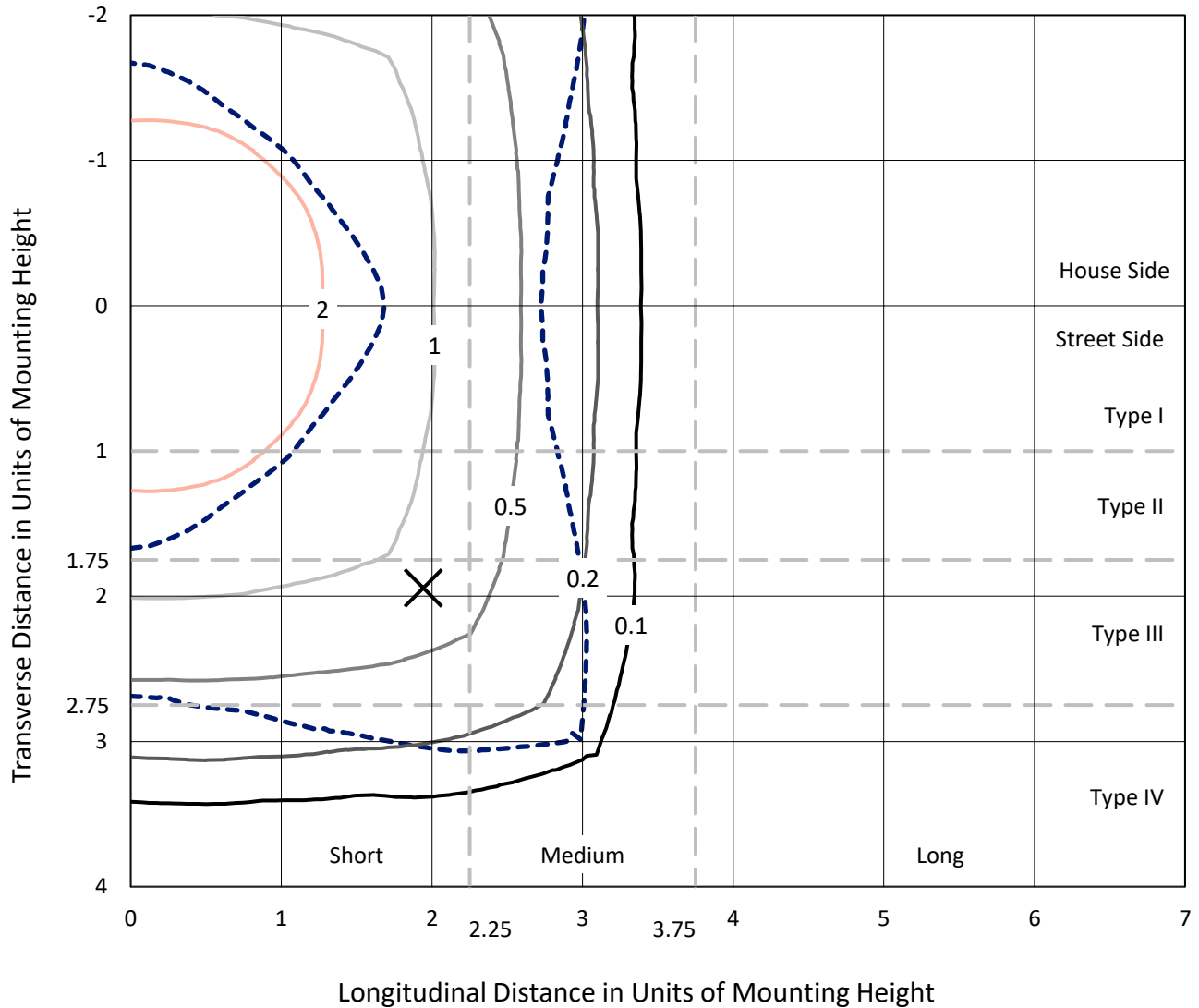
Lumens per Lamp: N/A  
Luminaire Lumens: 25998 lumens  
Efficiency: N/A  
Efficacy: 88.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

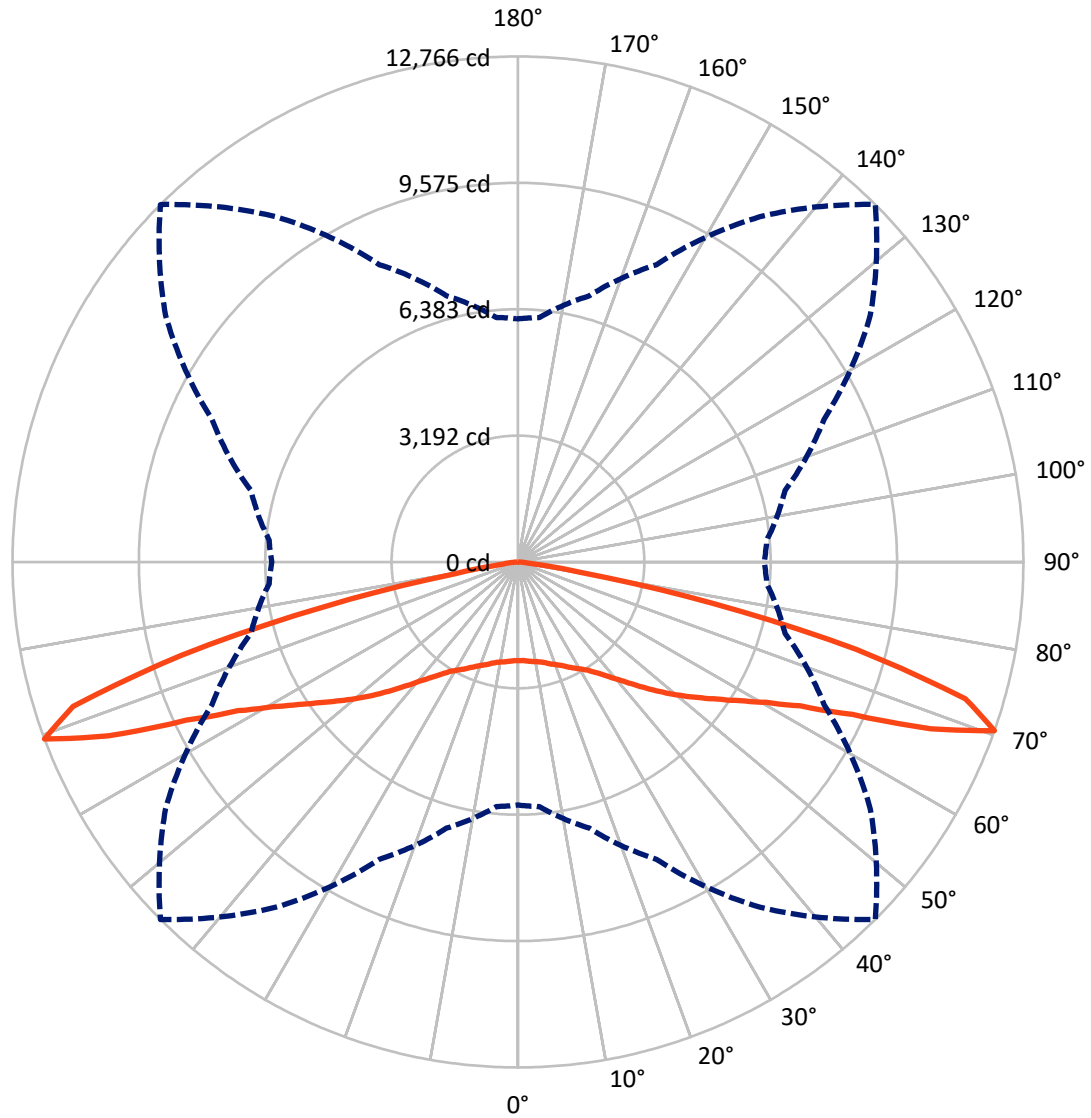
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc  
 Type 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	12999.0	0.0	12999.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12999.0	0.0	12999.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25998.0	0.0	25998.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	241.9	0.9
10°-20°	750.2	2.9
20°-30°	1340.7	5.2
30°-40°	2173.3	8.4
40°-50°	3539.9	13.6
50°-60°	5397.2	20.8
60°-70°	8029.4	30.9
70°-80°	4376.3	16.8
80°-90°	149.0	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°	25998.0	100.0
0°-180°	25998.0	100.0

**Coefficient of Utilization**



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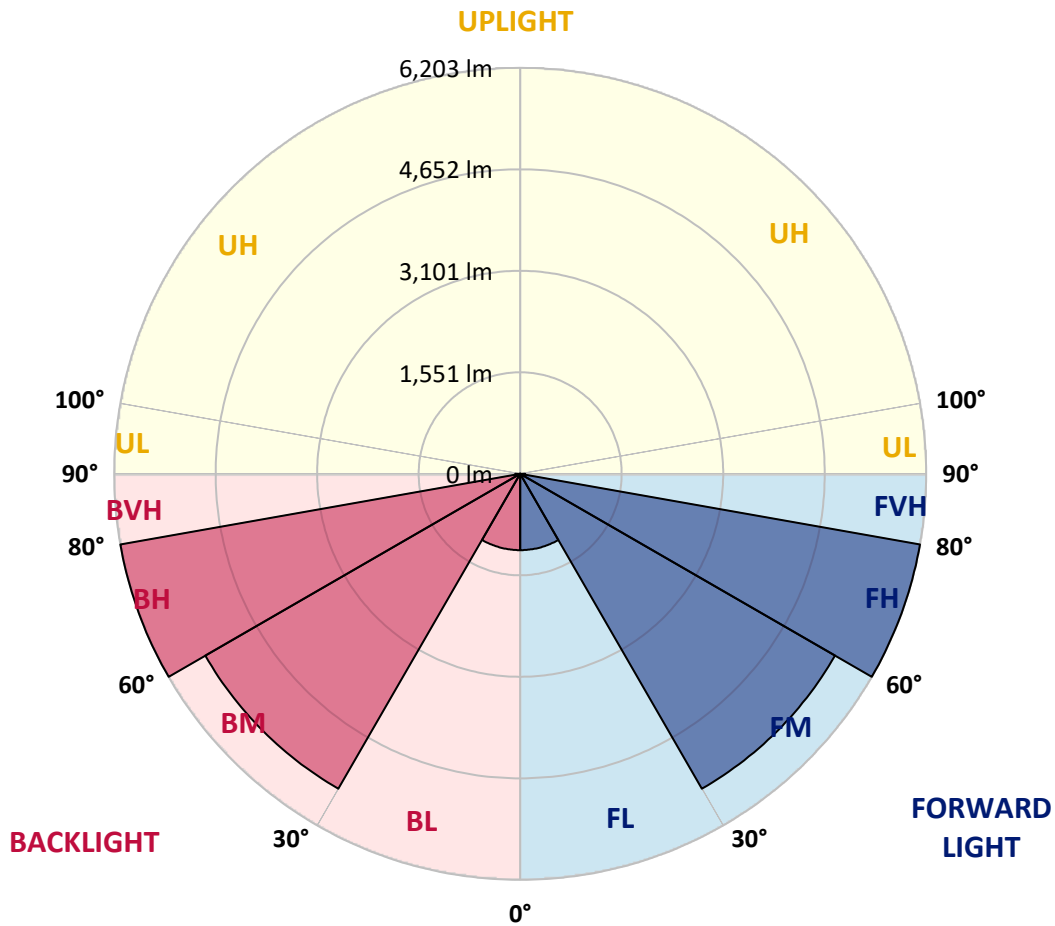
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1166.4	4.5			
FM (30°-60°)	5555.2	21.4			
FH (60°-80°)	6202.8	23.9			G3/7500
FVH (80°-90°)	74.5	0.3			G1/100
BL (0°-30°)	1166.4	4.5	B3/2500		
BM (30°-60°)	5555.2	21.4	B4/8500		
BH (60°-80°)	6202.8	23.9	B5		G3/7500
BVH (80°-90°)	74.5	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°	2490.3	2490.3	2490.3	2490.3	2490.3	2490.3	2490.3	2490.3	2490.3	2490.3
2.5°	2502.1	2504.7	2499.5	2496.9	2494.3	2490.3	2491.6	2498.2	2503.4	2502.1
5°	2523.0	2525.6	2521.7	2520.4	2515.1	2513.8	2513.8	2520.4	2524.3	2521.7
7.5°	2546.5	2550.4	2543.9	2542.5	2539.9	2537.3	2536.0	2542.5	2546.5	2546.5
10°	2568.7	2572.6	2567.3	2563.4	2560.8	2560.8	2558.2	2563.4	2570.0	2568.7
12.5°	2592.1	2594.8	2589.5	2586.9	2586.9	2590.8	2586.9	2589.5	2594.8	2592.1
15°	2620.9	2622.2	2620.9	2624.8	2631.3	2644.4	2632.6	2630.0	2632.6	2626.1
17.5°	2660.0	2662.6	2667.8	2677.0	2686.1	2709.6	2688.7	2682.2	2682.2	2669.2
20°	2708.3	2712.2	2720.1	2735.7	2747.5	2769.7	2748.8	2739.6	2735.7	2718.8
22.5°	2759.2	2765.7	2777.5	2798.4	2819.3	2840.1	2819.3	2803.6	2791.8	2769.7
25°	2817.9	2825.8	2844.1	2878.0	2906.7	2936.7	2911.9	2880.6	2857.1	2825.8
27.5°	2901.5	2910.6	2932.8	2974.6	3011.1	3037.2	3013.7	2973.3	2940.6	2902.8
30°	3018.9	3028.1	3054.2	3098.6	3123.4	3140.3	3124.7	3093.3	3054.2	3011.1
32.5°	3170.4	3182.1	3210.8	3252.6	3257.8	3260.4	3255.2	3239.5	3210.8	3158.6
35°	3362.2	3375.3	3407.9	3441.8	3436.6	3441.8	3434.0	3428.8	3407.9	3347.9
37.5°	3597.2	3612.8	3646.8	3672.9	3659.8	3653.3	3654.6	3655.9	3644.1	3577.6
40°	3869.9	3890.8	3915.6	3943.0	3920.8	3901.3	3914.3	3924.8	3914.3	3846.5
42.5°	4150.6	4180.6	4206.7	4245.8	4227.6	4202.8	4221.0	4232.8	4210.6	4137.5
45°	4462.5	4491.2	4525.2	4583.9	4570.8	4544.7	4570.8	4573.5	4535.6	4449.5
47.5°	4784.9	4814.9	4865.8	4944.1	4938.9	4910.2	4944.1	4925.9	4877.6	4774.5
50°	5090.3	5132.1	5210.4	5320.0	5330.5	5295.2	5340.9	5305.7	5224.8	5095.5
52.5°	5377.5	5421.8	5545.8	5694.6	5732.5	5686.8	5748.1	5686.8	5565.4	5399.7
55°	5679.0	5728.6	5876.1	6070.5	6146.2	6112.3	6169.7	6077.1	5904.8	5703.8
57.5°	6034.0	6064.0	6240.2	6471.2	6599.1	6607.0	6633.1	6476.4	6267.6	6039.2
60°	6419.0	6460.8	6652.7	6929.4	7131.7	7196.9	7169.5	6937.2	6694.4	6432.1
62.5°	6912.4	6958.1	7187.8	7519.3	7839.1	8000.9	7893.9	7557.2	7257.0	6942.4
65°	7320.9	7371.8	7786.9	8378.1	8960.3	9285.3	9016.4	8396.4	7856.1	7412.3
67.5°	7024.6	7087.3	7738.6	8824.5	10272.0	11241.8	10321.6	8957.7	7899.1	7297.4
70°	6139.7	6198.4	6958.1	8285.5	10641.4	12766.3	10863.3	8529.5	6982.9	6309.4
72.5°	4076.2	4265.4	5034.2	6626.5	9501.9	11813.4	9595.9	6492.1	4670.0	4067.0
75°	1352.2	1503.6	2028.3	3435.3	6364.2	8835.0	6058.8	3039.8	1606.7	1156.4
77.5°	340.7	392.9	541.7	982.8	2538.6	5030.3	2285.4	802.7	437.2	305.4
80°	165.8	182.7	261.0	327.6	635.6	1598.9	596.5	308.0	206.2	159.2
82.5°	91.4	92.7	147.5	185.3	236.2	413.8	245.4	180.1	118.8	96.6
85°	56.1	54.8	78.3	99.2	99.2	147.5	117.5	99.2	67.9	60.0
87.5°	22.2	22.2	28.7	31.3	27.4	37.9	30.0	32.6	26.1	24.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2490.3
2503.4
2523.0
2546.5
2568.7
2590.8
2626.1
2669.2
2718.8
2768.3
2824.5
2901.5
3011.1
3159.9
3347.9
3577.6
3846.5
4142.7
4458.6
4767.9
5092.9
5384.0
5676.4
6007.9
6390.3
6887.6
7339.2
7207.4
6219.3
3935.2
1093.8
272.8
146.2
96.6
62.7
26.1
0.0

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