

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: P943760

Luminaire Tested: **GALN-SB8B-927-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943760  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB8B-927-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

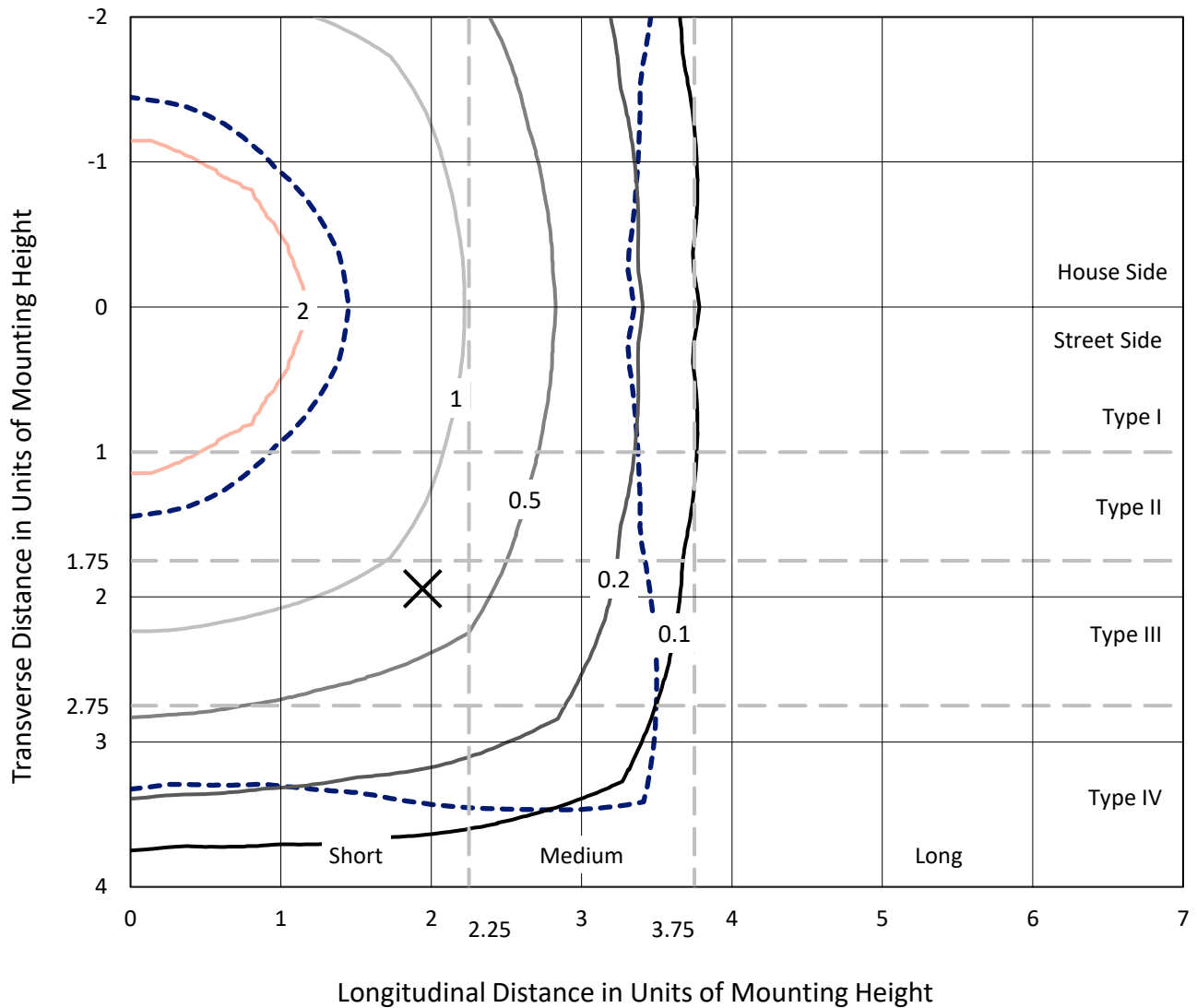
Lumens per Lamp: N/A  
Luminaire Lumens: 28035 lumens  
Efficiency: N/A  
Efficacy: 95.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

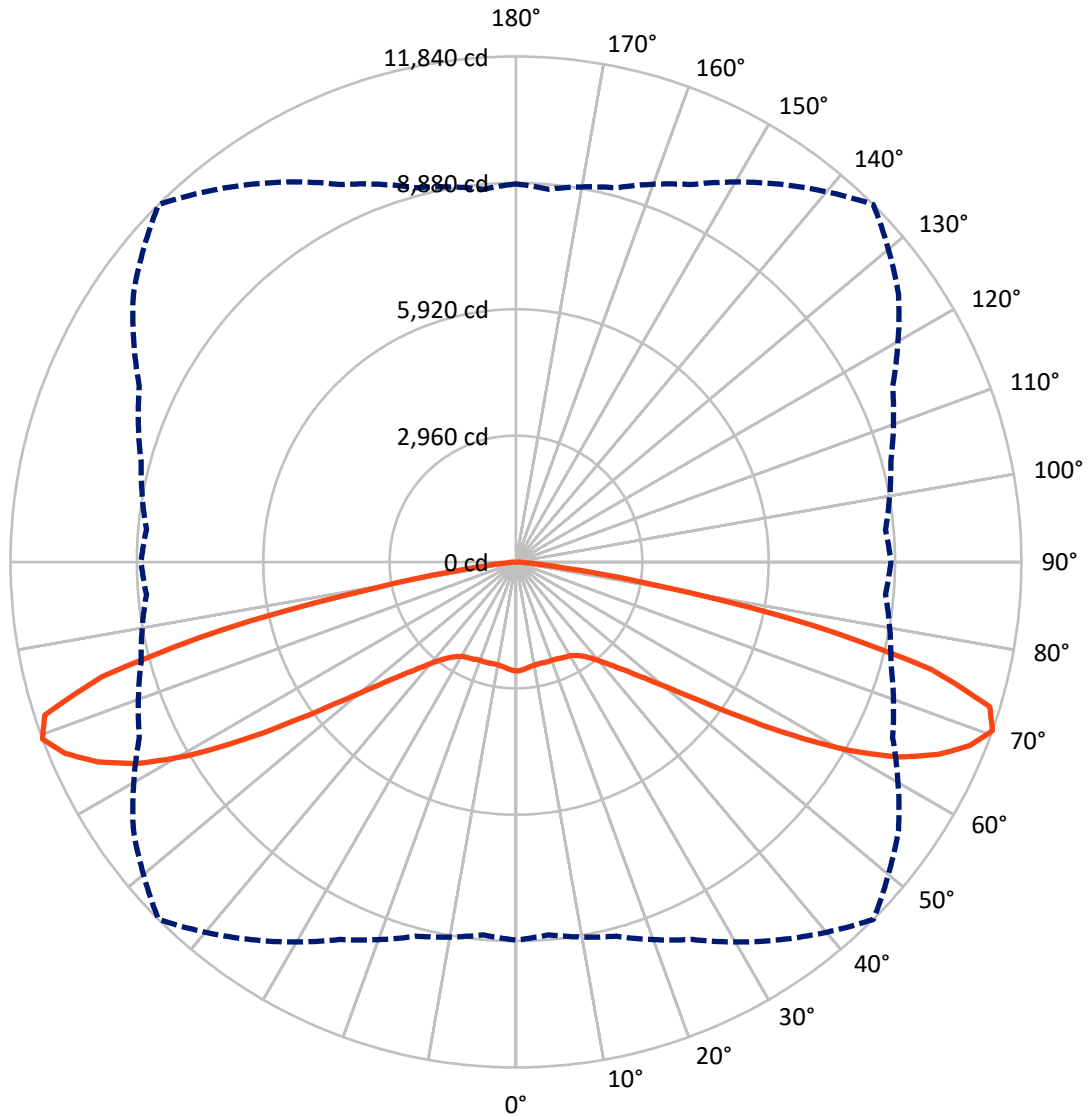
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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	14017.5	0.0	14017.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14017.5	0.0	14017.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	28035.0	0.0	28035.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.9	0.8
10°-20°	698.5	2.5
20°-30°	1162.4	4.1
30°-40°	1758.0	6.3
40°-50°	2921.3	10.4
50°-60°	5512.4	19.7
60°-70°	9307.9	33.2
70°-80°	6116.2	21.8
80°-90°	320.4	1.1
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°	28035.0	100.0
0°-180°	28035.0	100.0



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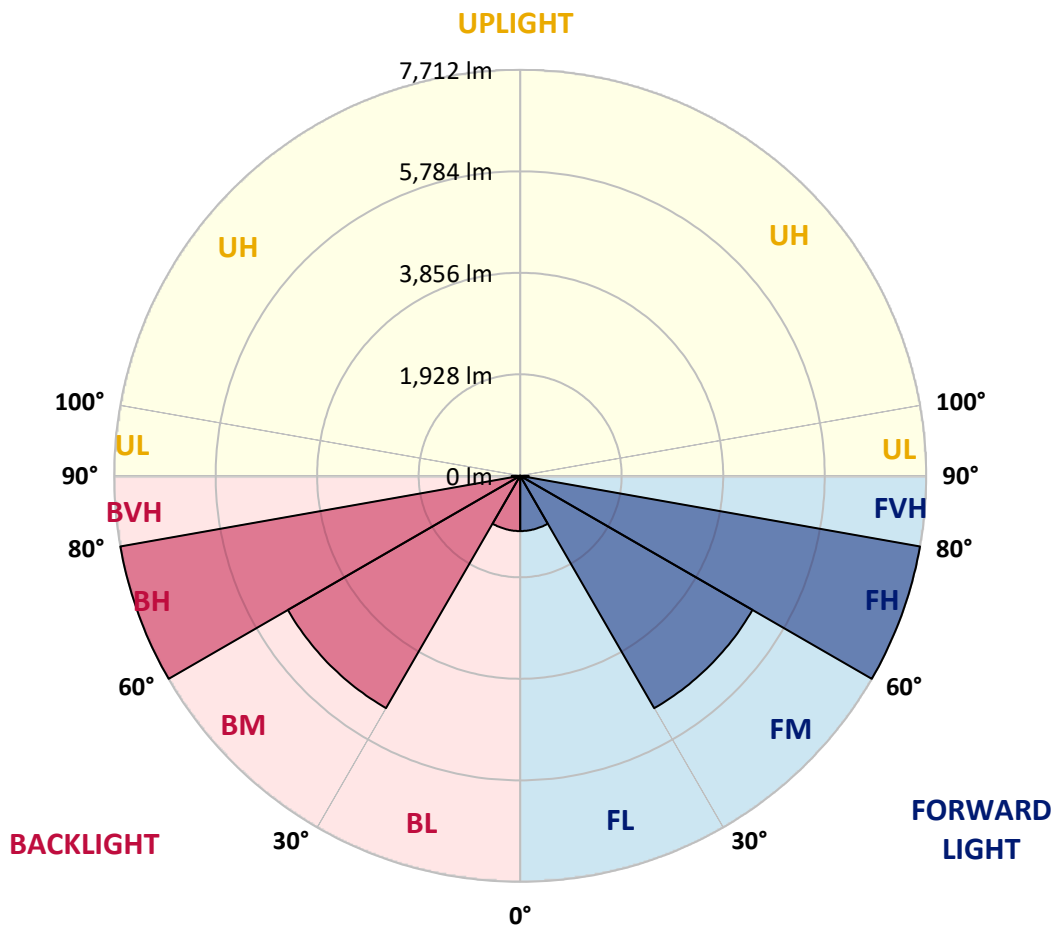
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1049.4	3.7			
FM (30°-60°)	5095.8	18.2			
FH (60°-80°)	7712.0	27.5			G4/12000
FVH (80°-90°)	160.2	0.6			G2/225
BL (0°-30°)	1049.4	3.7	B3/2500		
BM (30°-60°)	5095.8	18.2	B4/8500		
BH (60°-80°)	7712.0	27.5	B5		G4/12000
BVH (80°-90°)	160.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2557.4	2557.4	2557.4	2557.4	2557.4	2557.4	2557.4	2557.4	2557.4	2557.4
2.5°	2541.3	2548.6	2545.7	2539.9	2539.9	2535.5	2539.9	2542.8	2547.2	2550.1
5°	2507.8	2513.6	2512.2	2507.8	2509.3	2504.9	2507.8	2512.2	2515.1	2516.6
7.5°	2478.7	2484.5	2481.6	2474.3	2474.3	2469.9	2471.4	2475.8	2480.1	2481.6
10°	2471.4	2477.2	2468.5	2456.8	2452.4	2446.6	2448.1	2452.4	2461.2	2465.6
12.5°	2474.3	2478.7	2469.9	2452.4	2448.1	2442.2	2442.2	2446.6	2458.3	2464.1
15°	2483.0	2487.4	2474.3	2455.4	2451.0	2446.6	2445.2	2451.0	2464.1	2474.3
17.5°	2499.1	2503.4	2483.0	2456.8	2451.0	2452.4	2451.0	2455.4	2475.8	2494.7
20°	2513.6	2516.6	2488.9	2456.8	2451.0	2452.4	2451.0	2459.7	2486.0	2512.2
22.5°	2518.0	2520.9	2494.7	2467.0	2462.6	2464.1	2462.6	2471.4	2496.2	2522.4
25°	2519.5	2523.8	2503.4	2481.6	2488.9	2491.8	2488.9	2490.3	2509.3	2532.6
27.5°	2541.3	2547.2	2528.2	2509.3	2513.6	2512.2	2516.6	2520.9	2535.5	2558.8
30°	2586.5	2590.9	2574.8	2555.9	2553.0	2542.8	2555.9	2570.5	2586.5	2606.9
32.5°	2660.8	2669.6	2649.2	2628.8	2615.6	2609.8	2620.0	2644.8	2666.6	2688.5
35°	2784.7	2790.5	2771.6	2733.7	2710.4	2710.4	2719.1	2751.2	2786.1	2813.8
37.5°	2959.5	2966.8	2933.3	2888.1	2853.2	2853.2	2864.8	2898.3	2950.8	2990.1
40°	3172.3	3182.5	3140.2	3093.6	3060.1	3054.3	3068.8	3106.7	3156.3	3205.8
42.5°	3428.8	3440.4	3385.0	3344.2	3318.0	3318.0	3325.3	3360.3	3405.4	3466.6
45°	3756.6	3777.0	3701.2	3660.4	3635.7	3641.5	3645.9	3676.5	3717.3	3787.2
47.5°	4147.1	4167.5	4087.4	4045.1	4040.8	4068.5	4051.0	4072.8	4094.7	4174.8
50°	4590.1	4625.1	4569.7	4566.8	4575.6	4626.6	4585.8	4597.4	4572.6	4623.6
52.5°	5132.2	5183.2	5173.0	5190.5	5288.1	5393.0	5299.8	5259.0	5165.7	5181.7
55°	5789.4	5866.6	5881.2	5986.1	6207.6	6421.8	6223.6	6059.0	5860.8	5824.4
57.5°	6536.9	6598.1	6668.1	6882.3	7296.1	7676.4	7296.1	6931.8	6620.0	6545.7
60°	7341.3	7417.1	7484.1	7800.3	8415.2	8950.0	8403.6	7825.1	7412.7	7312.1
62.5°	8205.4	8303.0	8349.7	8700.8	9417.8	10056.0	9428.0	8727.1	8269.5	8161.7
65°	9034.5	9114.7	9167.1	9541.6	10226.5	10866.2	10273.1	9582.4	9111.8	8970.4
67.5°	9420.7	9464.4	9592.6	10016.7	10739.4	11469.5	10861.8	10061.8	9535.8	9288.1
70°	8855.3	8766.4	9075.3	9754.4	10800.6	11839.6	10940.5	9734.0	9089.9	8687.7
72.5°	6842.9	6689.9	7226.2	8387.5	10101.2	11603.5	10171.1	8453.1	7559.9	6743.8
75°	3723.1	3549.7	4289.9	5758.8	8055.3	10057.5	8240.4	5923.4	4776.6	3695.4
77.5°	1050.6	985.1	1582.5	2786.1	4845.1	7061.5	5031.7	2847.3	1876.9	1113.3
80°	322.0	311.8	422.6	839.3	2057.5	3382.1	1977.4	849.5	537.7	339.5
82.5°	190.9	174.9	209.8	306.0	524.6	1062.3	510.0	319.1	256.5	171.9
85°	109.3	102.0	123.9	148.6	176.3	225.9	147.2	151.5	137.0	91.8
87.5°	45.2	40.8	48.1	46.6	40.8	52.5	39.3	46.6	55.4	36.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2557.4
2548.6
2516.6
2481.6
2465.6
2465.6
2475.8
2494.7
2513.6
2522.4
2531.1
2553.0
2602.5
2679.8
2803.6
2975.6
3189.8
3462.3
3784.3
4151.5
4593.0
5127.8
5767.5
6493.2
7224.7
8074.3
8900.5
9291.0
8783.9
6946.4
3935.9
1237.1
358.5
186.5
96.2
33.5
0.0

OF REPORT)