

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: P942570

Luminaire Tested: **GALN-SB6C-927-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942570  
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-SB6C-927-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

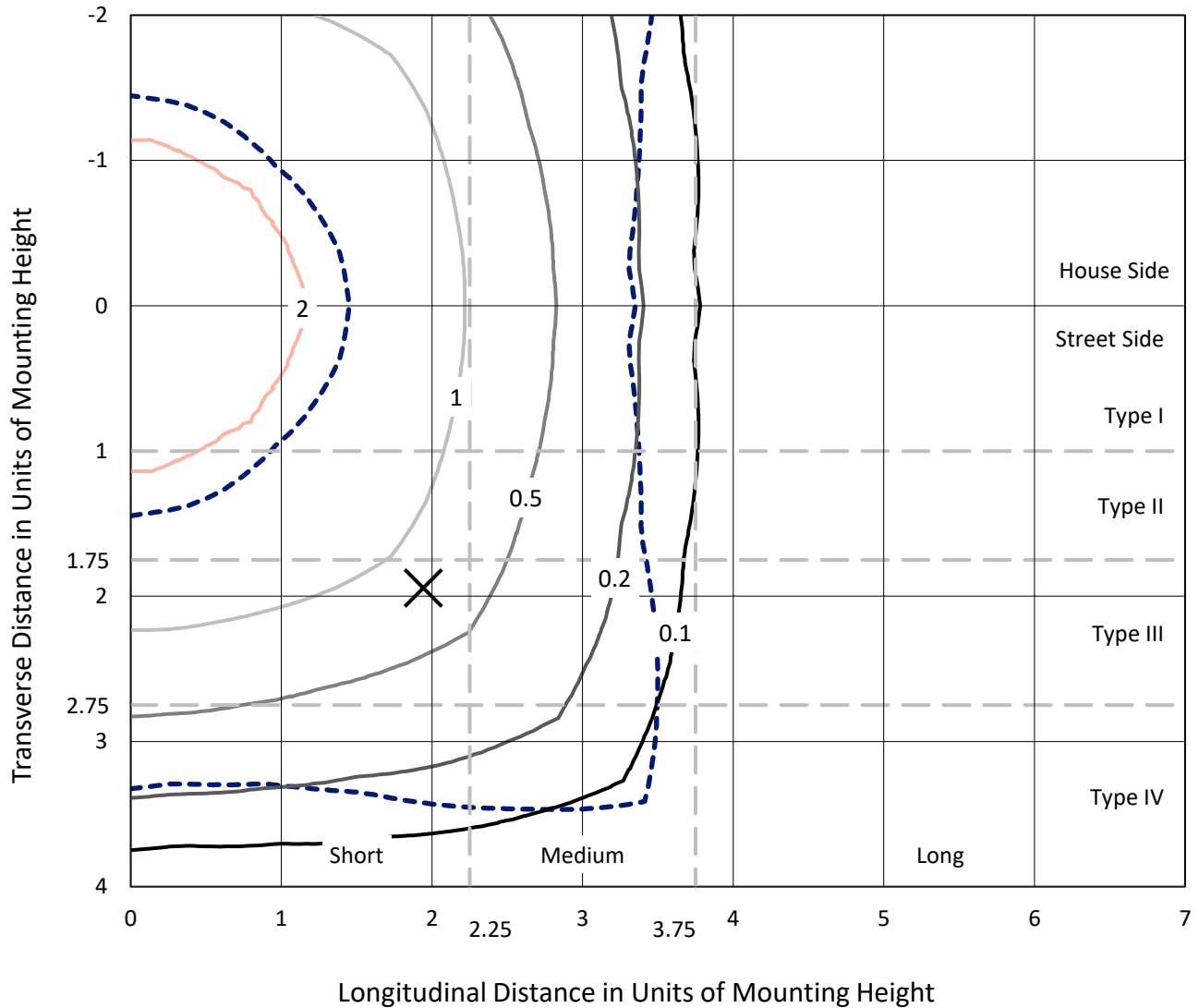
Lumens per Lamp: N/A  
Luminaire Lumens: 27962 lumens  
Efficiency: N/A  
Efficacy: 92.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

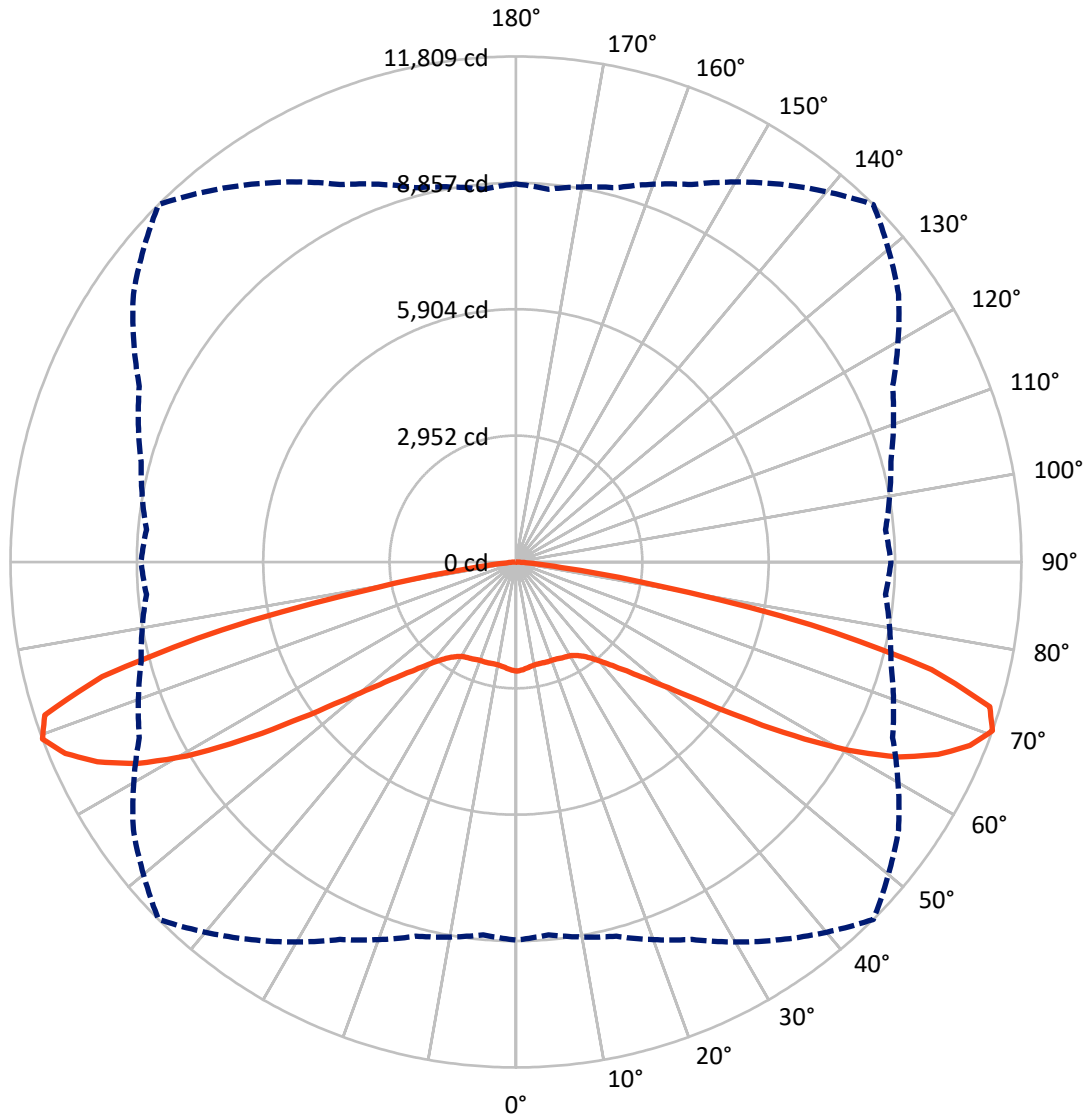
✕ Max cd  
 - - - 1/2 Max cd



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	13981.0	0.0	13981.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13981.0	0.0	13981.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27962.0	0.0	27962.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.3	0.8
10°-20°	696.7	2.5
20°-30°	1159.4	4.1
30°-40°	1753.4	6.3
40°-50°	2913.7	10.4
50°-60°	5498.0	19.7
60°-70°	9283.6	33.2
70°-80°	6100.3	21.8
80°-90°	319.6	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°	27962.0	100.0
0°-180°	27962.0	100.0

**Coefficient of Utilization**



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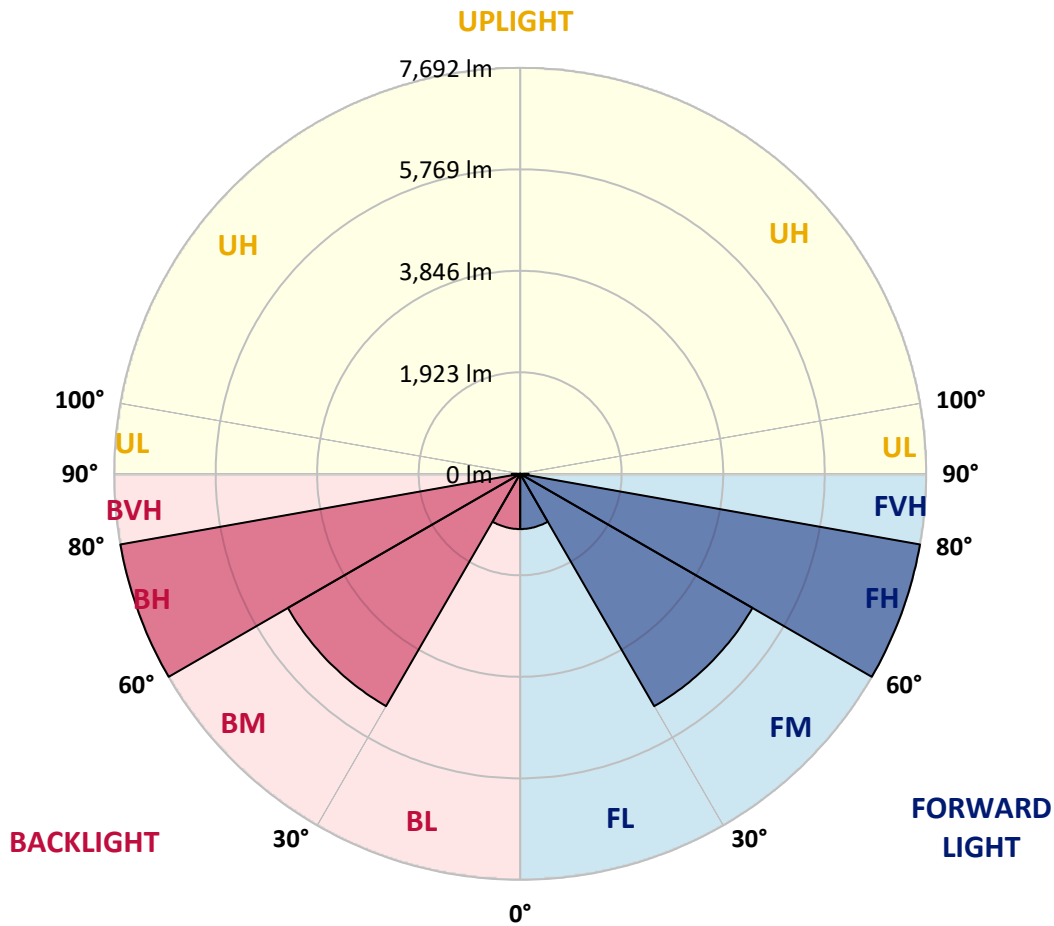
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1046.7	3.7			
FM (30°-60°)	5082.5	18.2			
FH (60°-80°)	7692.0	27.5			G4/12000
FVH (80°-90°)	159.8	0.6			G2/225
BL (0°-30°)	1046.7	3.7	B3/2500		
BM (30°-60°)	5082.5	18.2	B4/8500		
BH (60°-80°)	7692.0	27.5	B5		G4/12000
BVH (80°-90°)	159.8	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°	2550.7	2550.7	2550.7	2550.7	2550.7	2550.7	2550.7	2550.7	2550.7	2550.7
2.5°	2534.7	2542.0	2539.1	2533.3	2533.3	2528.9	2533.3	2536.2	2540.5	2543.4
5°	2501.3	2507.1	2505.6	2501.3	2502.7	2498.4	2501.3	2505.6	2508.5	2510.0
7.5°	2472.2	2478.0	2475.1	2467.9	2467.9	2463.5	2464.9	2469.3	2473.7	2475.1
10°	2464.9	2470.8	2462.0	2450.4	2446.1	2440.2	2441.7	2446.1	2454.8	2459.1
12.5°	2467.9	2472.2	2463.5	2446.1	2441.7	2435.9	2435.9	2440.2	2451.9	2457.7
15°	2476.6	2480.9	2467.9	2449.0	2444.6	2440.2	2438.8	2444.6	2457.7	2467.9
17.5°	2492.6	2496.9	2476.6	2450.4	2444.6	2446.1	2444.6	2449.0	2469.3	2488.2
20°	2507.1	2510.0	2482.4	2450.4	2444.6	2446.1	2444.6	2453.3	2479.5	2505.6
22.5°	2511.5	2514.4	2488.2	2460.6	2456.2	2457.7	2456.2	2464.9	2489.7	2515.8
25°	2512.9	2517.3	2496.9	2475.1	2482.4	2485.3	2482.4	2483.8	2502.7	2526.0
27.5°	2534.7	2540.5	2521.6	2502.7	2507.1	2505.6	2510.0	2514.4	2528.9	2552.2
30°	2579.8	2584.1	2568.1	2549.2	2546.3	2536.2	2549.2	2563.8	2579.8	2600.1
32.5°	2653.9	2662.6	2642.3	2621.9	2608.8	2603.0	2613.2	2637.9	2659.7	2681.5
35°	2777.4	2783.2	2764.3	2726.6	2703.3	2703.3	2712.0	2744.0	2778.9	2806.5
37.5°	2951.8	2959.1	2925.7	2880.6	2845.7	2845.7	2857.4	2890.8	2943.1	2982.4
40°	3164.0	3174.2	3132.1	3085.5	3052.1	3046.3	3060.8	3098.6	3148.0	3197.5
42.5°	3419.8	3431.5	3376.2	3335.5	3309.4	3309.4	3316.6	3351.5	3396.6	3457.6
45°	3746.8	3767.2	3691.6	3650.9	3626.2	3632.0	3636.4	3666.9	3707.6	3777.4
47.5°	4136.3	4156.7	4076.8	4034.6	4030.2	4057.9	4040.4	4062.2	4084.0	4164.0
50°	4578.2	4613.1	4557.8	4554.9	4563.6	4614.5	4573.8	4585.4	4560.7	4611.6
52.5°	5118.8	5169.7	5159.5	5177.0	5274.3	5379.0	5286.0	5245.3	5152.3	5168.3
55°	5774.3	5851.3	5865.9	5970.5	6191.4	6405.1	6207.4	6043.2	5845.5	5809.2
57.5°	6519.9	6580.9	6650.7	6864.4	7277.1	7656.5	7277.1	6913.8	6602.7	6528.6
60°	7322.2	7397.7	7464.6	7780.0	8393.3	8926.7	8381.7	7804.7	7393.4	7293.1
62.5°	8184.0	8281.4	8327.9	8678.2	9393.3	10029.8	9403.4	8704.3	8248.0	8140.4
65°	9011.0	9090.9	9143.3	9516.8	10199.9	10837.9	10246.4	9557.5	9088.0	8947.1
67.5°	9396.2	9439.8	9567.7	9990.6	10711.5	11439.6	10833.6	10035.6	9511.0	9263.9
70°	8832.2	8743.6	9051.7	9729.0	10772.5	11808.8	10912.0	9708.6	9066.2	8665.1
72.5°	6825.1	6672.5	7207.4	8365.7	10074.9	11573.3	10144.7	8431.1	7540.2	6726.3
75°	3713.4	3540.5	4278.8	5743.8	8034.3	10031.3	8218.9	5908.0	4764.2	3685.8
77.5°	1047.9	982.5	1578.4	2778.9	4832.5	7043.1	5018.6	2839.9	1872.0	1110.4
80°	321.2	311.0	421.5	837.2	2052.2	3373.3	1972.2	847.3	536.3	338.6
82.5°	190.4	174.4	209.3	305.2	523.2	1059.5	508.7	318.3	255.8	171.5
85°	109.0	101.7	123.5	148.2	175.9	225.3	146.8	151.2	136.6	91.6
87.5°	45.1	40.7	48.0	46.5	40.7	52.3	39.2	46.5	55.2	36.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2550.7
2542.0
2510.0
2475.1
2459.1
2459.1
2469.3
2488.2
2507.1
2515.8
2524.5
2546.3
2595.8
2672.8
2796.3
2967.8
3181.5
3453.3
3774.5
4140.7
4581.1
5114.5
5752.5
6476.3
7205.9
8053.2
8877.3
9266.8
8761.0
6928.3
3925.6
1233.9
357.5
186.0
95.9
33.4
0.0

OF REPORT)