

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: P951508

Luminaire Tested: **GALN-SB5C-927-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951508  
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-SB5C-927-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

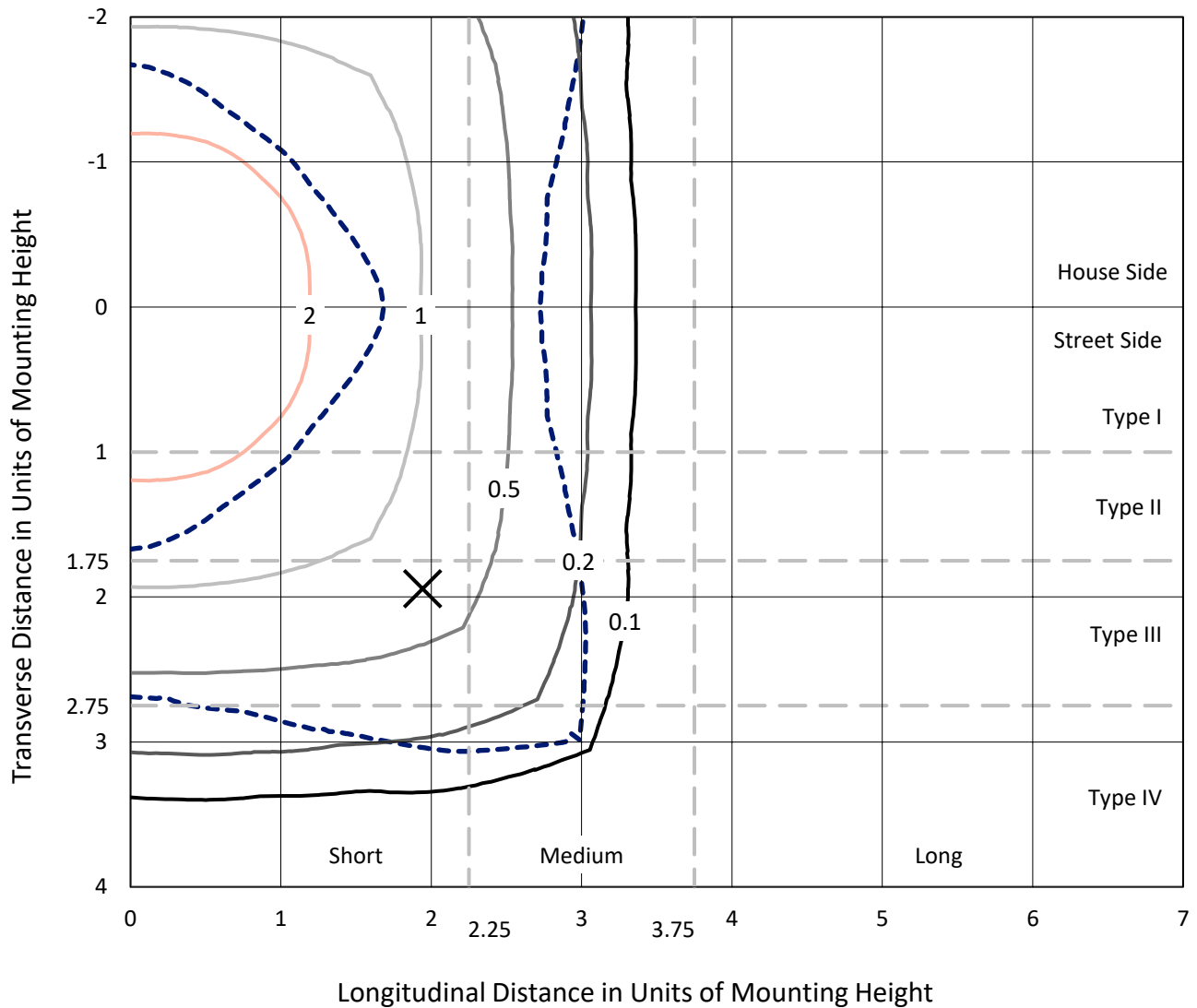
Lumens per Lamp: N/A  
Luminaire Lumens: 24116 lumens  
Efficiency: N/A  
Efficacy: 96.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P951508  
 CATALOG NUMBER: GALN-SB5C-927-U-5MQ

### Iso-Footcandle Lines of Horizontal Illumination

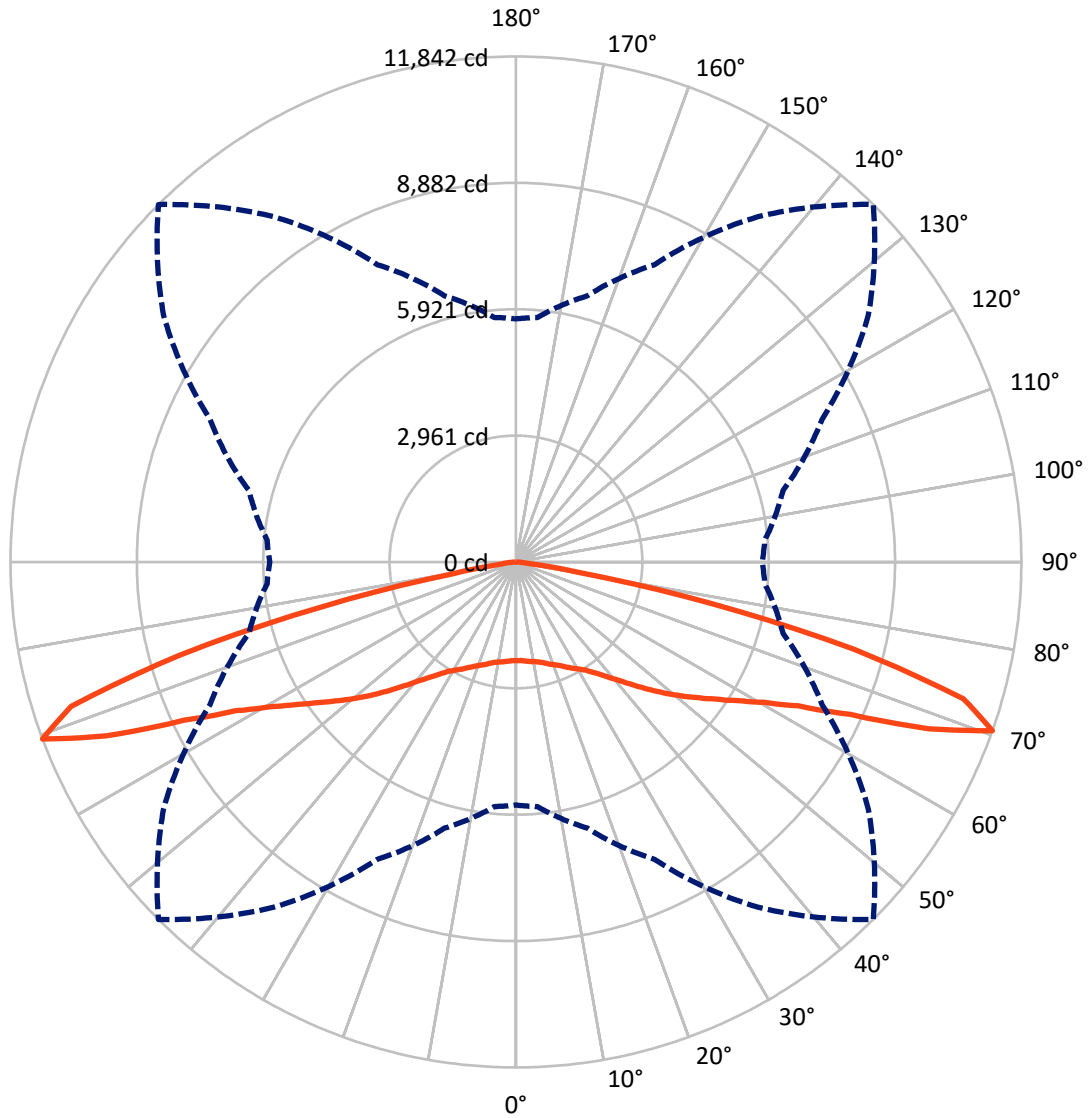
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc  
 Type V - Short - N/A

REPORT NUMBER: P951508  
CATALOG NUMBER: GALN-SB5C-927-U-5MQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P951508  
 CATALOG NUMBER: GALN-SB5C-927-U-5MQ

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12058.0	0.0	12058.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12058.0	0.0	12058.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24116.0	0.0	24116.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	224.4	0.9
10°-20°	695.9	2.9
20°-30°	1243.7	5.2
30°-40°	2016.0	8.4
40°-50°	3283.7	13.6
50°-60°	5006.5	20.8
60°-70°	7448.1	30.9
70°-80°	4059.5	16.8
80°-90°	138.2	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°	24116.0	100.0
0°-180°	24116.0	100.0



REPORT NUMBER: P951508

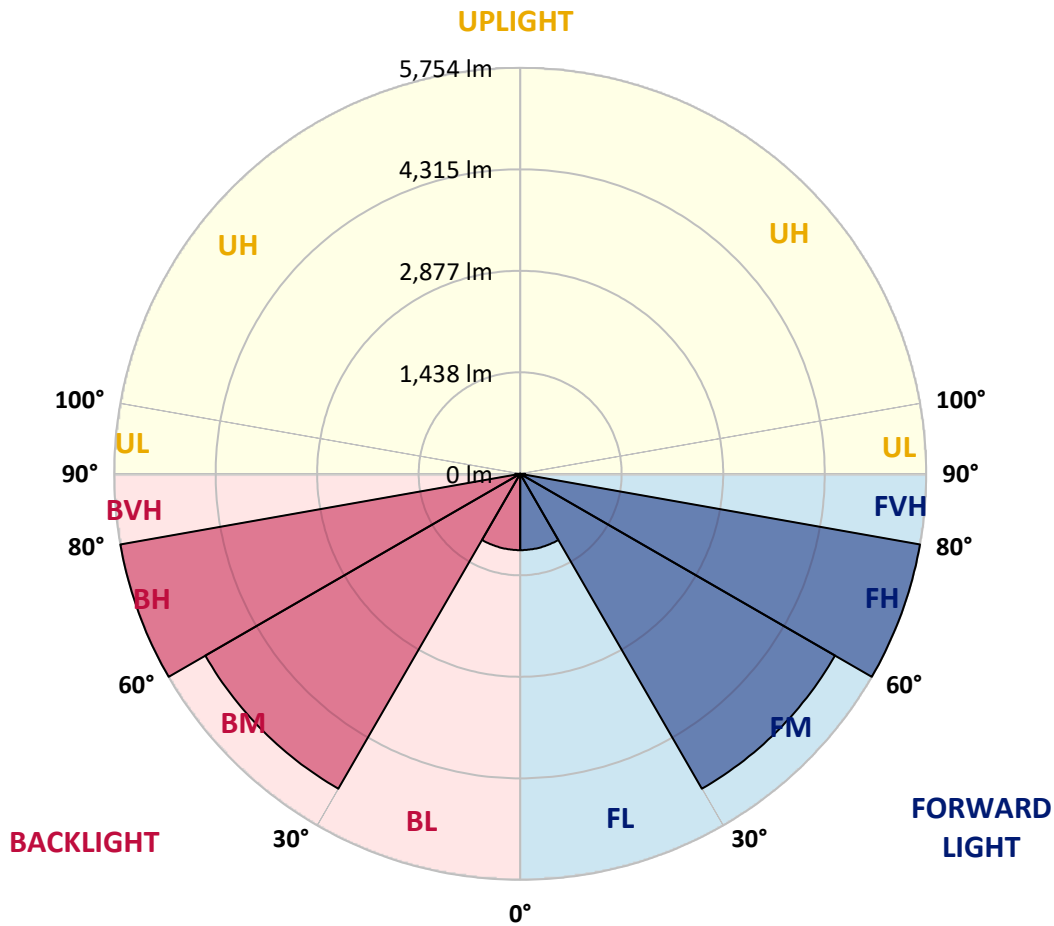
CATALOG NUMBER: GALN-SB5C-927-U-5MQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1082.0	4.5			
FM (30°-60°)	5153.1	21.4			
FH (60°-80°)	5753.8	23.9			G3/7500
FVH (80°-90°)	69.1	0.3			G1/100
BL (0°-30°)	1082.0	4.5	B3/2500		
BM (30°-60°)	5153.1	21.4	B4/8500		
BH (60°-80°)	5753.8	23.9	B5		G3/7500
BVH (80°-90°)	69.1	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



REPORT NUMBER: P951508  
 CATALOG NUMBER: GALN-SB5C-927-U-5MQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2310.1	2310.1	2310.1	2310.1	2310.1	2310.1	2310.1	2310.1	2310.1	2310.1
2.5°	2321.0	2323.4	2318.5	2316.1	2313.7	2310.1	2311.3	2317.3	2322.2	2321.0
5°	2340.3	2342.8	2339.1	2337.9	2333.1	2331.9	2331.9	2337.9	2341.5	2339.1
7.5°	2362.1	2365.8	2359.7	2358.5	2356.1	2353.6	2352.4	2358.5	2362.1	2362.1
10°	2382.7	2386.3	2381.5	2377.9	2375.4	2375.4	2373.0	2377.9	2383.9	2382.7
12.5°	2404.5	2406.9	2402.1	2399.7	2399.7	2403.3	2399.7	2402.1	2406.9	2404.5
15°	2431.1	2432.3	2431.1	2434.8	2440.8	2452.9	2442.0	2439.6	2442.0	2436.0
17.5°	2467.5	2469.9	2474.7	2483.2	2491.7	2513.5	2494.1	2488.0	2488.0	2475.9
20°	2512.3	2515.9	2523.2	2537.7	2548.6	2569.2	2549.8	2541.3	2537.7	2521.9
22.5°	2559.5	2565.5	2576.4	2595.8	2615.2	2634.5	2615.2	2600.6	2589.7	2569.2
25°	2614.0	2621.2	2638.2	2669.6	2696.3	2724.1	2701.1	2672.1	2650.3	2621.2
27.5°	2691.4	2699.9	2720.5	2759.2	2793.1	2817.4	2795.6	2758.0	2727.8	2692.7
30°	2800.4	2808.9	2833.1	2874.3	2897.3	2913.0	2898.5	2869.4	2833.1	2793.1
32.5°	2940.9	2951.7	2978.4	3017.1	3022.0	3024.4	3019.5	3005.0	2978.4	2930.0
35°	3118.8	3130.9	3161.2	3192.7	3187.8	3192.7	3185.4	3180.6	3161.2	3105.5
37.5°	3336.8	3351.3	3382.8	3407.0	3394.9	3388.8	3390.0	3391.2	3380.3	3318.6
40°	3589.8	3609.2	3632.2	3657.6	3637.0	3618.9	3631.0	3640.6	3631.0	3568.0
42.5°	3850.1	3878.0	3902.2	3938.5	3921.5	3898.5	3915.5	3926.4	3905.8	3838.0
45°	4139.5	4166.1	4197.6	4252.1	4240.0	4215.7	4240.0	4242.4	4207.3	4127.4
47.5°	4438.5	4466.4	4513.6	4586.2	4581.4	4554.7	4586.2	4569.3	4524.5	4428.8
50°	4721.8	4760.6	4833.2	4934.9	4944.6	4911.9	4954.3	4921.6	4846.5	4726.7
52.5°	4988.2	5029.4	5144.4	5282.4	5317.5	5275.1	5332.0	5275.1	5162.5	5008.8
55°	5267.9	5313.9	5450.7	5631.1	5701.3	5669.8	5723.1	5637.1	5477.3	5290.9
57.5°	5597.2	5625.0	5788.5	6002.8	6121.4	6128.7	6152.9	6007.6	5813.9	5602.0
60°	5954.3	5993.1	6171.1	6427.7	6615.4	6675.9	6650.5	6435.0	6209.8	5966.5
62.5°	6412.0	6454.4	6667.5	6975.0	7271.6	7421.7	7322.5	7010.1	6731.6	6439.8
65°	6791.0	6838.2	7223.2	7771.6	8311.6	8613.1	8363.7	7788.6	7287.4	6875.7
67.5°	6516.1	6574.2	7178.4	8185.7	9528.4	10428.0	9574.4	8309.2	7327.3	6769.2
70°	5695.3	5749.7	6454.4	7685.7	9871.0	11842.1	10076.9	7912.1	6477.4	5852.6
72.5°	3781.1	3956.6	4669.8	6146.9	8814.1	10958.3	8901.2	6022.1	4332.0	3772.6
75°	1254.3	1394.8	1881.5	3186.6	5903.5	8195.4	5620.2	2819.8	1490.4	1072.7
77.5°	316.0	364.4	502.5	911.7	2354.9	4666.1	2120.0	744.6	405.6	283.3
80°	153.8	169.5	242.1	303.9	589.6	1483.1	553.3	285.7	191.3	147.7
82.5°	84.8	86.0	136.8	171.9	219.1	383.8	227.6	167.1	110.2	89.6
85°	52.1	50.9	72.6	92.0	92.0	136.8	109.0	92.0	63.0	55.7
87.5°	20.6	20.6	26.6	29.1	25.4	35.1	27.8	30.3	24.2	23.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2310.1
2322.2
2340.3
2362.1
2382.7
2403.3
2436.0
2475.9
2521.9
2567.9
2620.0
2691.4
2793.1
2931.2
3105.5
3318.6
3568.0
3842.8
4135.8
4422.8
4724.2
4994.2
5265.4
5573.0
5927.7
6389.0
6807.9
6685.6
5769.1
3650.3
1014.6
253.0
135.6
89.6
58.1
24.2
0.0

OF REPORT)