

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: P952621

Luminaire Tested: **GALN-SB6B-935-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952621  
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-SB6B-935-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

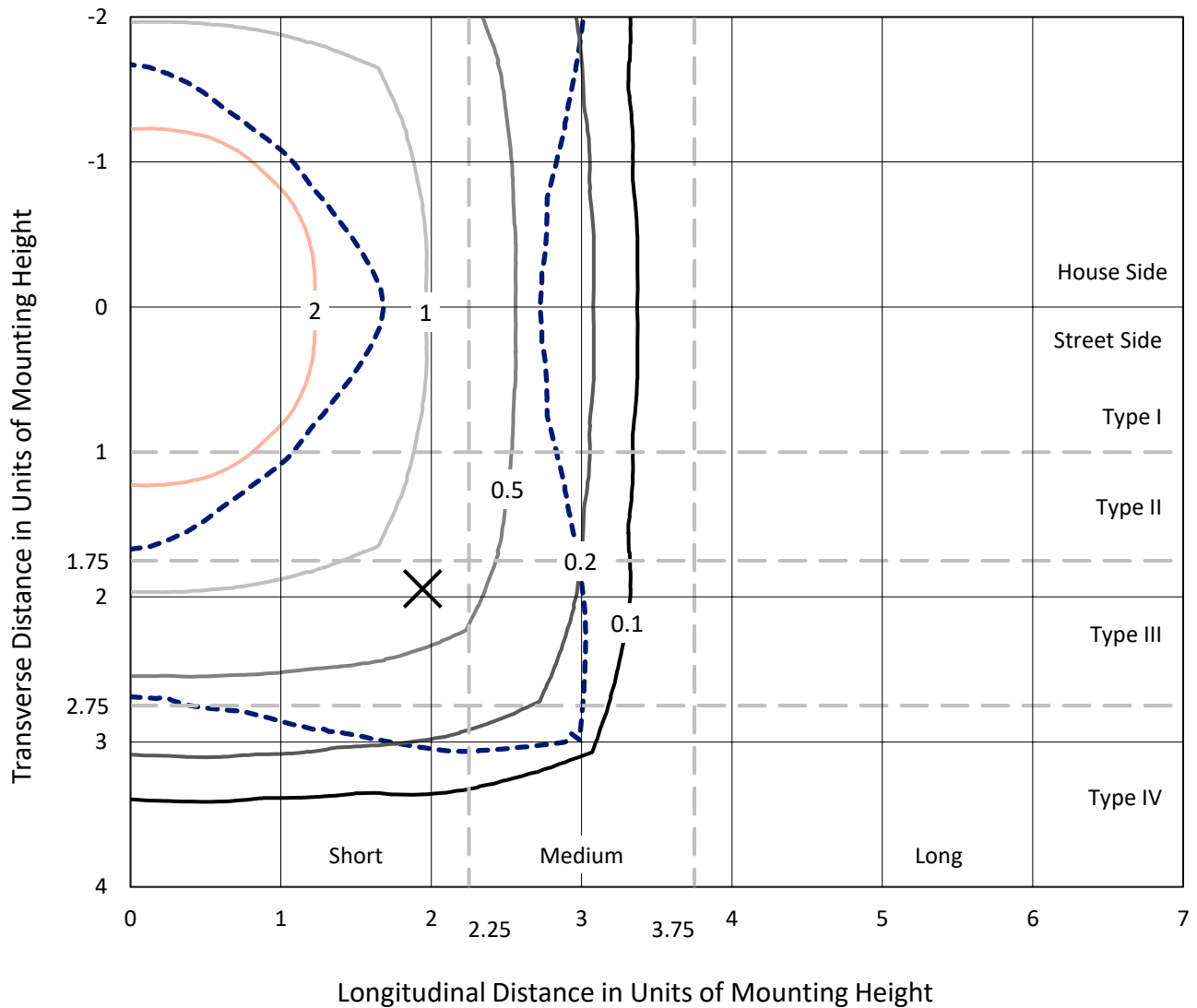
Lumens per Lamp: N/A  
Luminaire Lumens: 24877 lumens  
Efficiency: N/A  
Efficacy: 112.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

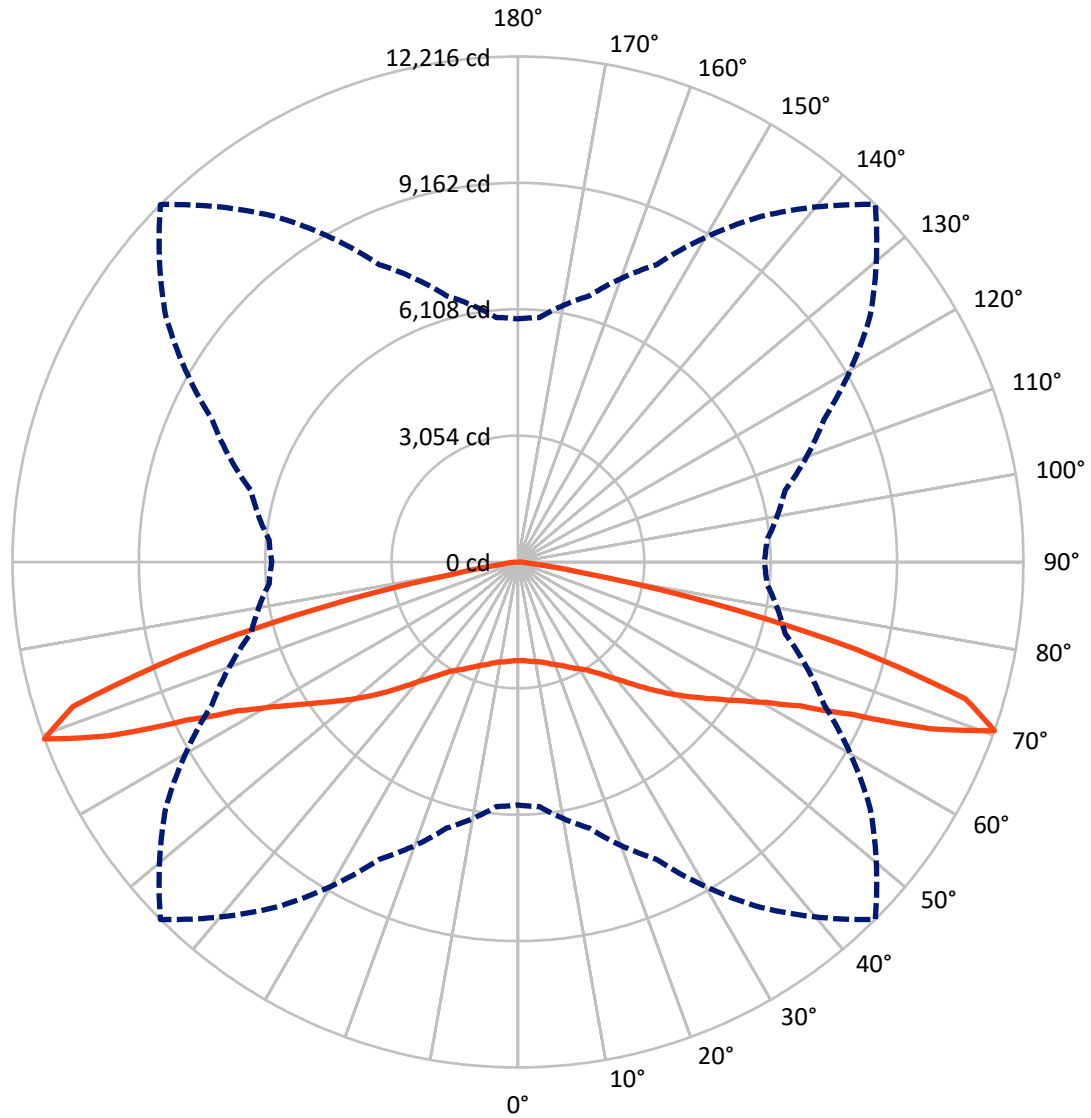
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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	12438.5	0.0	12438.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12438.5	0.0	12438.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24877.0	0.0	24877.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	231.5	0.9
10°-20°	717.9	2.9
20°-30°	1282.9	5.2
30°-40°	2079.6	8.4
40°-50°	3387.3	13.6
50°-60°	5164.5	20.8
60°-70°	7683.1	30.9
70°-80°	4187.6	16.8
80°-90°	142.6	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°	24877.0	100.0
0°-180°	24877.0	100.0

**Coefficient of Utilization**



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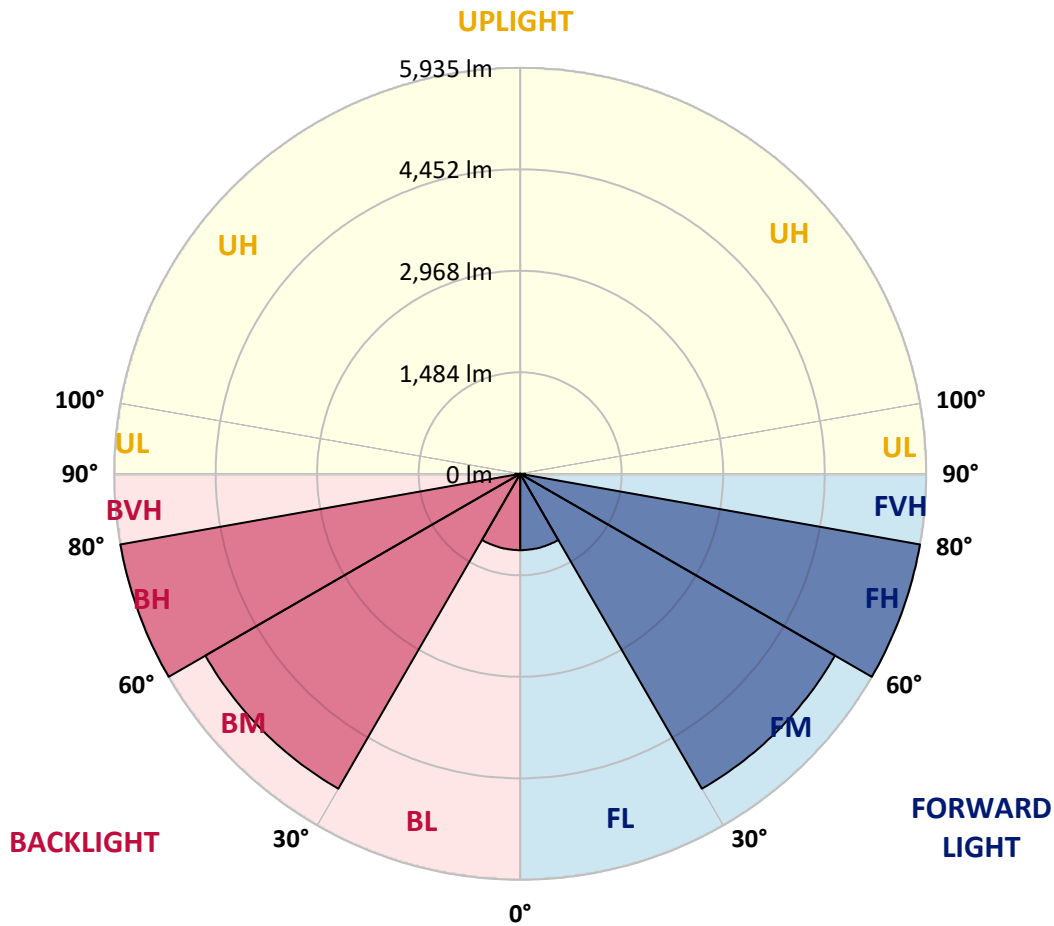
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1116.1	4.5			
FM (30°-60°)	5315.7	21.4			
FH (60°-80°)	5935.4	23.9			G3/7500
FVH (80°-90°)	71.3	0.3			G1/100
BL (0°-30°)	1116.1	4.5	B3/2500		
BM (30°-60°)	5315.7	21.4	B4/8500		
BH (60°-80°)	5935.4	23.9	B5		G3/7500
BVH (80°-90°)	71.3	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°	2383.0	2383.0	2383.0	2383.0	2383.0	2383.0	2383.0	2383.0	2383.0	2383.0
2.5°	2394.2	2396.7	2391.7	2389.2	2386.7	2383.0	2384.2	2390.5	2395.4	2394.2
5°	2414.2	2416.7	2412.9	2411.7	2406.7	2405.4	2405.4	2411.7	2415.4	2412.9
7.5°	2436.7	2440.4	2434.2	2432.9	2430.4	2427.9	2426.7	2432.9	2436.7	2436.7
10°	2457.9	2461.6	2456.6	2452.9	2450.4	2450.4	2447.9	2452.9	2459.1	2457.9
12.5°	2480.4	2482.9	2477.9	2475.4	2475.4	2479.1	2475.4	2477.9	2482.9	2480.4
15°	2507.9	2509.1	2507.9	2511.6	2517.8	2530.3	2519.1	2516.6	2519.1	2512.8
17.5°	2545.3	2547.8	2552.8	2561.6	2570.3	2592.8	2572.8	2566.6	2566.6	2554.1
20°	2591.5	2595.3	2602.8	2617.8	2629.0	2650.2	2630.2	2621.5	2617.8	2601.5
22.5°	2640.2	2646.5	2657.7	2677.7	2697.7	2717.7	2697.7	2682.7	2671.5	2650.2
25°	2696.4	2703.9	2721.4	2753.9	2781.4	2810.1	2786.4	2756.4	2733.9	2703.9
27.5°	2776.4	2785.1	2806.3	2846.3	2881.3	2906.3	2883.8	2845.1	2813.8	2777.6
30°	2888.8	2897.5	2922.5	2965.0	2988.7	3004.9	2989.9	2960.0	2922.5	2881.3
32.5°	3033.7	3044.9	3072.4	3112.3	3117.3	3119.8	3114.8	3099.8	3072.4	3022.4
35°	3217.2	3229.7	3261.0	3293.4	3288.4	3293.4	3285.9	3280.9	3261.0	3203.5
37.5°	3442.1	3457.0	3489.5	3514.5	3502.0	3495.8	3497.0	3498.3	3487.0	3423.3
40°	3703.1	3723.1	3746.8	3773.0	3751.8	3733.1	3745.5	3755.5	3745.5	3680.6
42.5°	3971.6	4000.3	4025.3	4062.8	4045.3	4021.6	4039.0	4050.3	4029.0	3959.1
45°	4270.1	4297.6	4330.0	4386.2	4373.8	4348.8	4373.8	4376.3	4340.0	4257.6
47.5°	4578.6	4607.3	4656.0	4730.9	4726.0	4698.5	4730.9	4713.5	4667.3	4568.6
50°	4870.8	4910.8	4985.7	5090.6	5100.6	5066.9	5110.6	5076.9	4999.5	4875.8
52.5°	5145.6	5188.1	5306.7	5449.1	5485.3	5441.6	5500.3	5441.6	5325.4	5166.8
55°	5434.1	5481.6	5622.7	5808.8	5881.2	5848.7	5903.7	5815.0	5650.2	5457.8
57.5°	5773.8	5802.5	5971.1	6192.2	6314.6	6322.1	6347.1	6197.2	5997.4	5778.8
60°	6142.2	6182.2	6365.8	6630.6	6824.2	6886.6	6860.4	6638.1	6405.8	6154.7
62.5°	6614.3	6658.0	6877.9	7195.1	7501.1	7655.9	7553.5	7231.3	6944.1	6643.1
65°	7005.3	7054.0	7451.1	8016.9	8573.9	8884.9	8627.6	8034.4	7517.3	7092.7
67.5°	6721.7	6781.7	7404.9	8444.0	9829.1	10757.0	9876.5	8571.4	7558.5	6982.8
70°	5875.0	5931.2	6658.0	7928.2	10182.5	12215.8	10394.8	8161.8	6681.8	6037.3
72.5°	3900.4	4081.5	4817.1	6340.8	9092.2	11304.1	9182.1	6212.2	4468.7	3891.7
75°	1293.9	1438.8	1940.8	3287.2	6089.8	8454.0	5797.5	2908.8	1537.4	1106.6
77.5°	326.0	375.9	518.3	940.4	2429.2	4813.4	2186.9	768.1	418.4	292.2
80°	158.6	174.9	249.8	313.5	608.2	1529.9	570.8	294.7	197.3	152.4
82.5°	87.4	88.7	141.1	177.3	226.1	395.9	234.8	172.4	113.7	92.4
85°	53.7	52.5	74.9	94.9	94.9	141.1	112.4	94.9	64.9	57.5
87.5°	21.2	21.2	27.5	30.0	26.2	36.2	28.7	31.2	25.0	23.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2383.0
2395.4
2414.2
2436.7
2457.9
2479.1
2512.8
2554.1
2601.5
2649.0
2702.7
2776.4
2881.3
3023.7
3203.5
3423.3
3680.6
3964.1
4266.3
4562.3
4873.3
5151.8
5431.6
5748.8
6114.8
6590.6
7022.7
6896.6
5951.2
3765.5
1046.6
261.0
139.9
92.4
59.9
25.0
0.0

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