

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: P952244

Luminaire Tested: **GALN-SB6A-930-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952244  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6A-930-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

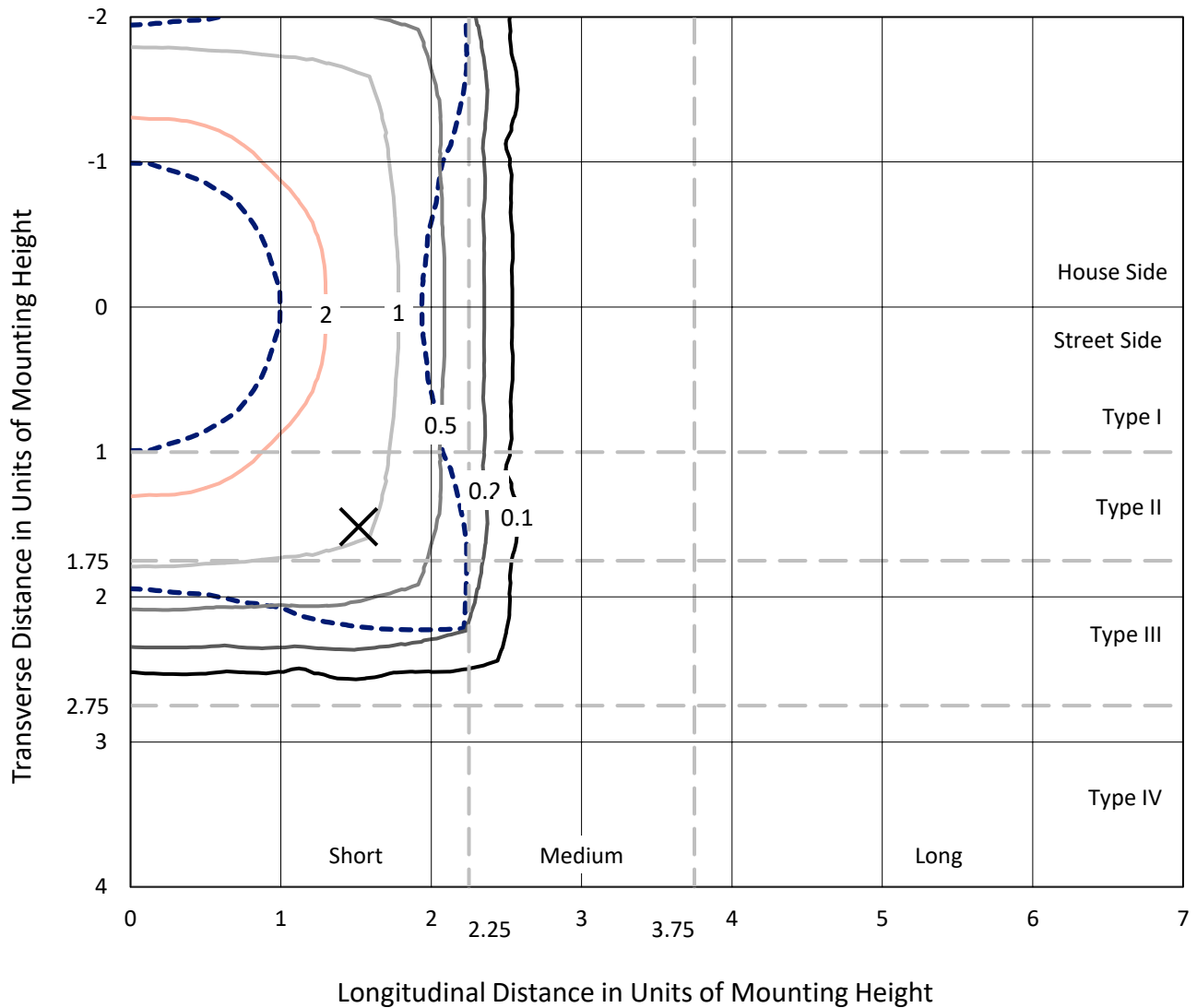
Lumens per Lamp: N/A  
Luminaire Lumens: 19829 lumens  
Efficiency: N/A  
Efficacy: 116.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

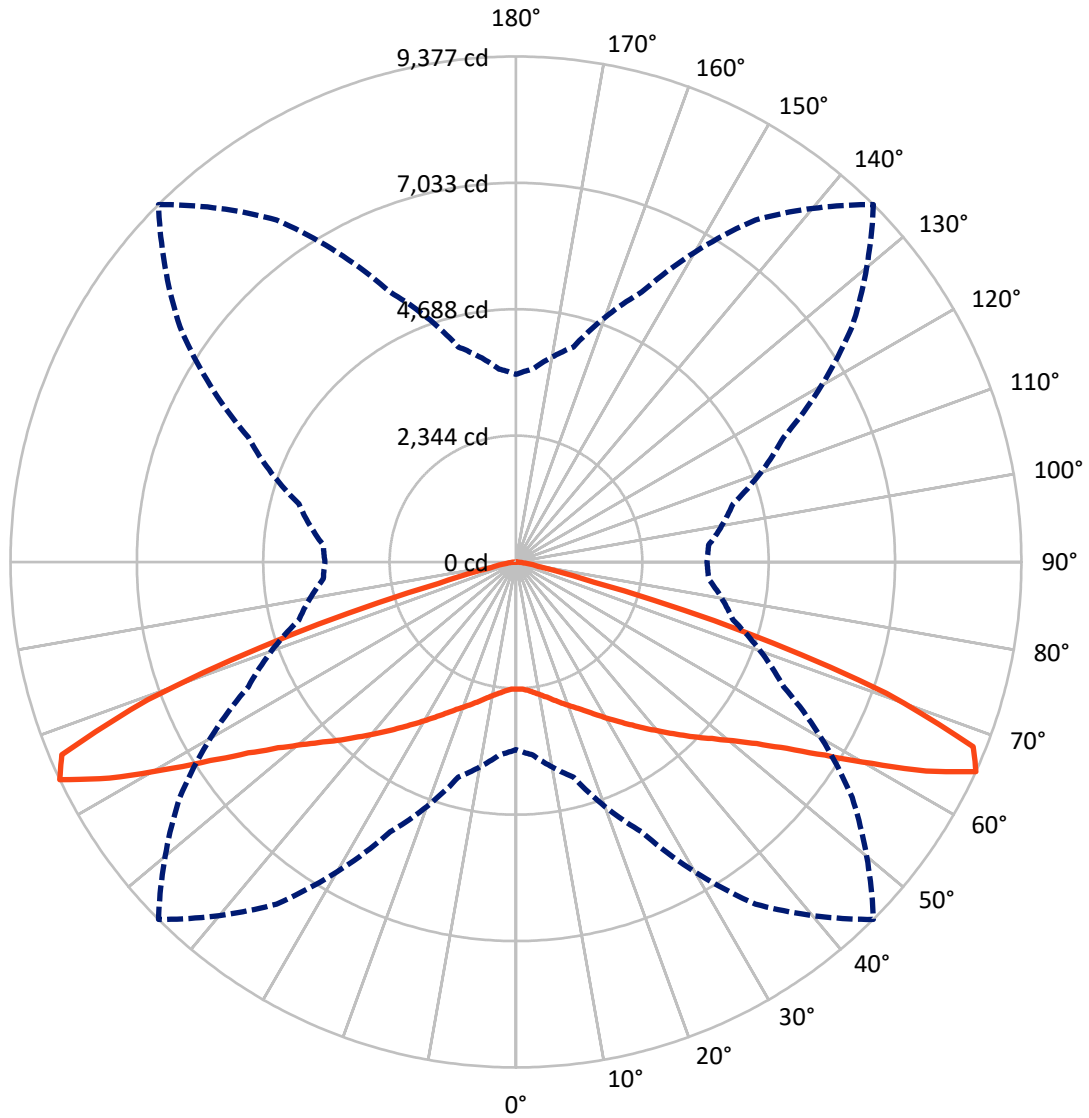
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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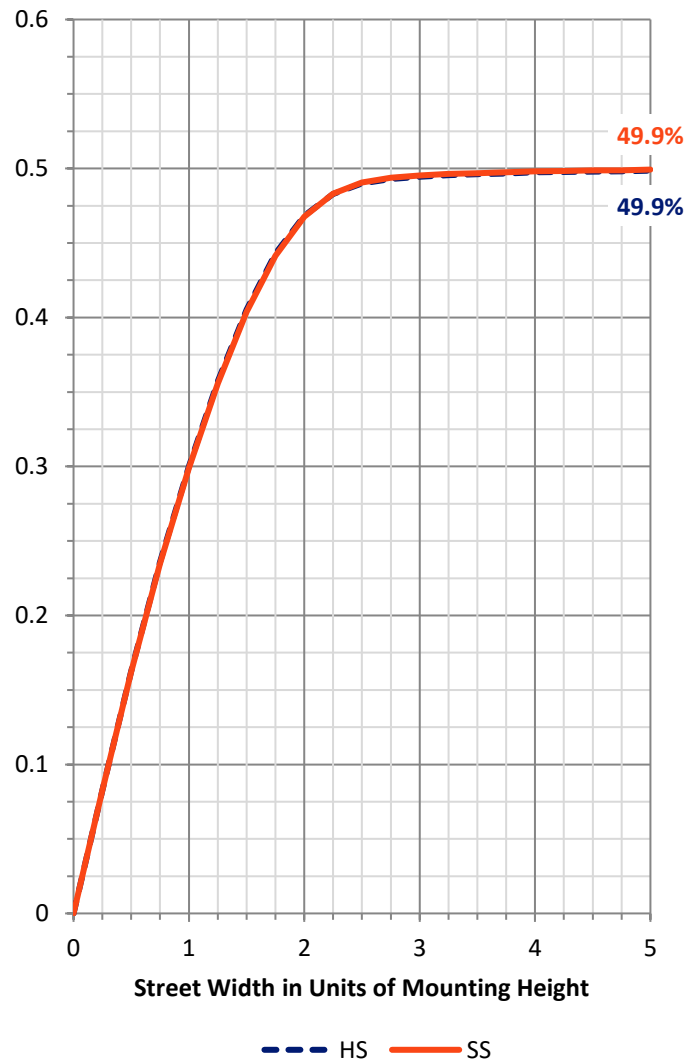
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9914.5	0.0	9914.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9914.5	0.0	9914.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19829.0	0.0	19829.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	232.9	1.2
10°-20°	760.0	3.8
20°-30°	1434.9	7.2
30°-40°	2349.6	11.8
40°-50°	3643.0	18.4
50°-60°	5381.5	27.1
60°-70°	5122.7	25.8
70°-80°	826.6	4.2
80°-90°	77.9	0.4
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°	19829.0	100.0
0°-180°	19829.0	100.0



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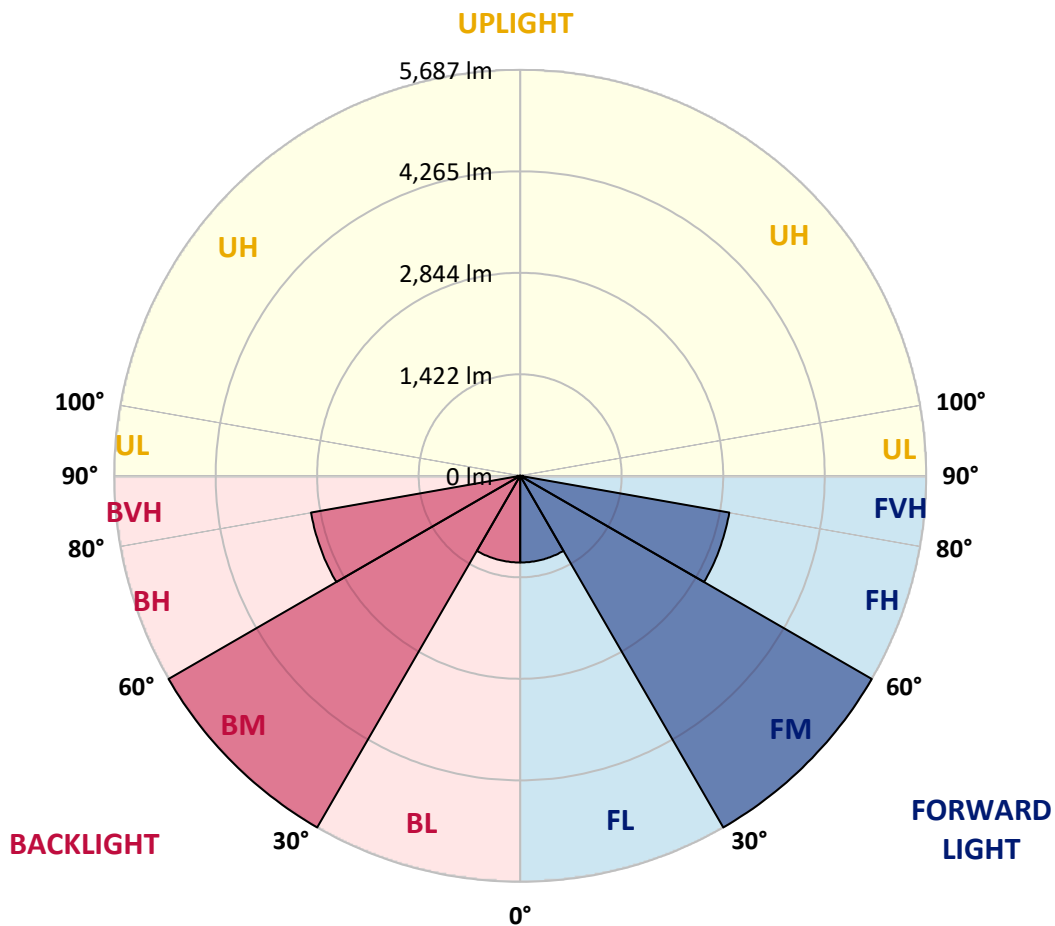
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1213.9	6.1			
FM (30°-60°)	5687.0	28.7			
FH (60°-80°)	2974.6	15.0			G2/5000
FVH (80°-90°)	39.0	0.2			G1/100
BL (0°-30°)	1213.9	6.1	B3/2500		
BM (30°-60°)	5687.0	28.7	B4/8500		
BH (60°-80°)	2974.6	15.0	B4/5000		G2/5000
BVH (80°-90°)	39.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2359.8	2359.8	2359.8	2359.8	2359.8	2359.8	2359.8	2359.8	2359.8	2359.8
2.5°	2375.8	2367.8	2373.8	2368.8	2364.8	2360.8	2362.8	2369.8	2372.8	2373.8
5°	2407.6	2400.6	2403.6	2403.6	2396.7	2394.7	2395.7	2400.6	2406.6	2406.6
7.5°	2459.3	2452.4	2459.3	2455.4	2449.4	2447.4	2446.4	2450.4	2459.3	2459.3
10°	2522.0	2514.1	2518.0	2516.0	2509.1	2506.1	2505.1	2511.1	2519.0	2518.0
12.5°	2590.7	2581.7	2586.7	2580.7	2578.7	2575.7	2575.7	2574.7	2579.7	2575.7
15°	2667.3	2661.3	2663.3	2659.3	2662.3	2660.3	2652.3	2648.4	2650.4	2644.4
17.5°	2757.8	2743.9	2750.8	2748.8	2748.8	2752.8	2739.9	2734.9	2738.9	2732.9
20°	2862.3	2848.3	2851.3	2847.3	2842.4	2846.3	2830.4	2834.4	2837.4	2833.4
22.5°	2976.7	2958.8	2957.8	2959.8	2948.8	2949.8	2938.9	2948.8	2954.8	2943.8
25°	3094.1	3075.2	3088.1	3083.1	3069.2	3072.2	3064.2	3074.2	3079.1	3065.2
27.5°	3218.4	3205.5	3217.4	3220.4	3203.5	3215.4	3203.5	3212.5	3217.4	3196.5
30°	3363.7	3350.7	3361.7	3369.6	3349.8	3368.7	3358.7	3364.7	3365.7	3340.8
32.5°	3521.9	3502.0	3529.8	3533.8	3511.9	3534.8	3521.9	3529.8	3534.8	3501.0
35°	3714.9	3690.0	3721.8	3716.9	3698.0	3716.9	3704.9	3716.9	3728.8	3688.0
37.5°	3922.8	3896.9	3930.8	3921.8	3903.9	3916.8	3909.9	3917.8	3936.7	3893.0
40°	4151.6	4119.8	4165.6	4149.6	4132.7	4130.7	4134.7	4139.7	4164.6	4115.8
42.5°	4396.4	4362.5	4431.2	4406.3	4382.4	4366.5	4379.5	4389.4	4413.3	4358.6
45°	4675.9	4637.1	4726.7	4696.8	4659.0	4626.2	4647.1	4662.0	4696.8	4631.2
47.5°	4984.3	4940.6	5036.1	5027.1	4965.4	4893.8	4941.6	4984.3	5010.2	4930.6
50°	5285.8	5252.0	5377.3	5388.3	5312.6	5212.2	5278.8	5343.5	5350.5	5246.0
52.5°	5568.3	5534.5	5716.6	5785.2	5717.6	5598.2	5668.8	5734.5	5681.7	5546.4
55°	5794.2	5766.3	5998.1	6175.2	6198.1	6099.6	6141.4	6139.4	5966.3	5758.4
57.5°	5848.9	5844.9	6137.4	6512.5	6751.2	6763.2	6680.6	6469.7	6096.6	5817.0
60°	5600.2	5625.0	6027.0	6688.6	7325.3	7589.9	7232.8	6630.9	5948.4	5560.4
62.5°	4856.0	4921.7	5406.2	6473.7	7788.9	8541.0	7675.5	6386.1	5339.5	4833.1
65°	3480.1	3594.5	4129.7	5524.6	7747.1	9376.7	7611.8	5479.8	4169.5	3585.5
67.5°	1578.9	1695.3	2149.9	3782.5	6734.3	9149.9	6718.4	3822.3	2257.4	1701.2
70°	572.1	592.0	738.2	1514.2	4303.8	7290.5	4487.9	1525.1	785.0	630.8
72.5°	346.2	349.2	380.0	542.2	1495.3	4426.2	1559.0	560.1	388.0	344.2
75°	219.9	217.9	270.6	331.3	530.3	1493.3	556.1	331.3	269.6	245.7
77.5°	158.2	163.2	194.0	247.7	334.3	506.4	328.3	236.8	194.0	159.2
80°	118.4	121.4	141.3	193.0	234.8	315.4	208.9	175.1	146.2	99.5
82.5°	85.6	85.6	92.5	140.3	143.3	170.1	113.4	123.4	96.5	70.6
85°	50.7	49.7	57.7	83.6	74.6	62.7	51.7	75.6	60.7	43.8
87.5°	17.9	18.9	17.9	23.9	19.9	16.9	15.9	20.9	16.9	14.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2359.8
2373.8
2406.6
2456.4
2516.0
2577.7
2645.4
2737.9
2842.4
2954.8
3081.1
3212.5
3355.7
3523.9
3712.9
3919.8
4131.7
4387.4
4665.0
4957.5
5258.9
5550.4
5765.3
5799.1
5514.6
4803.3
3542.8
1676.4
622.8
350.2
247.7
162.2
102.5
70.6
42.8
13.9
0.0

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