

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: P951067

Luminaire Tested: **GALN-SB5B-830-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951067  
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-SB5B-830-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

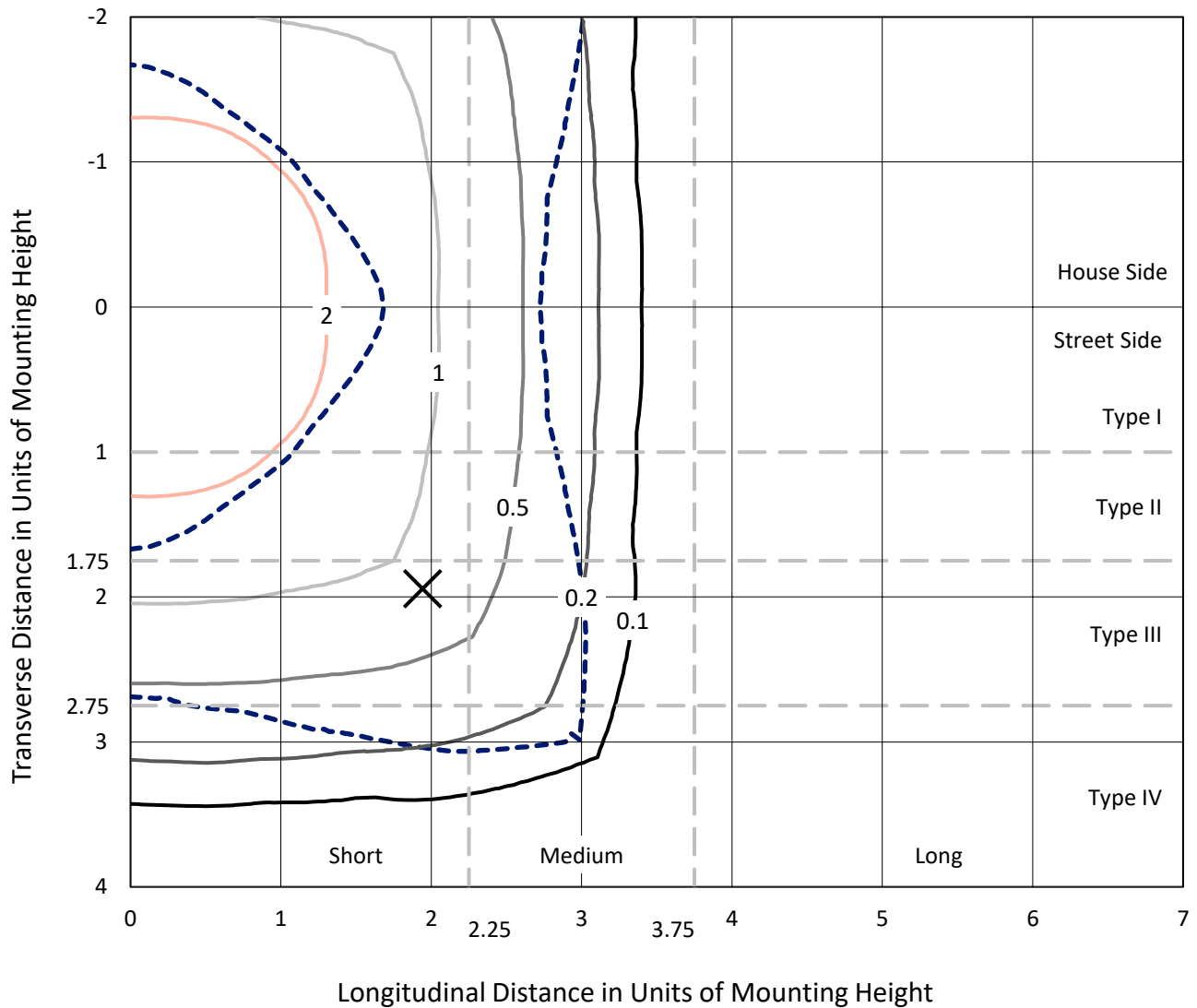
Lumens per Lamp: N/A  
Luminaire Lumens: 26767 lumens  
Efficiency: N/A  
Efficacy: 146.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

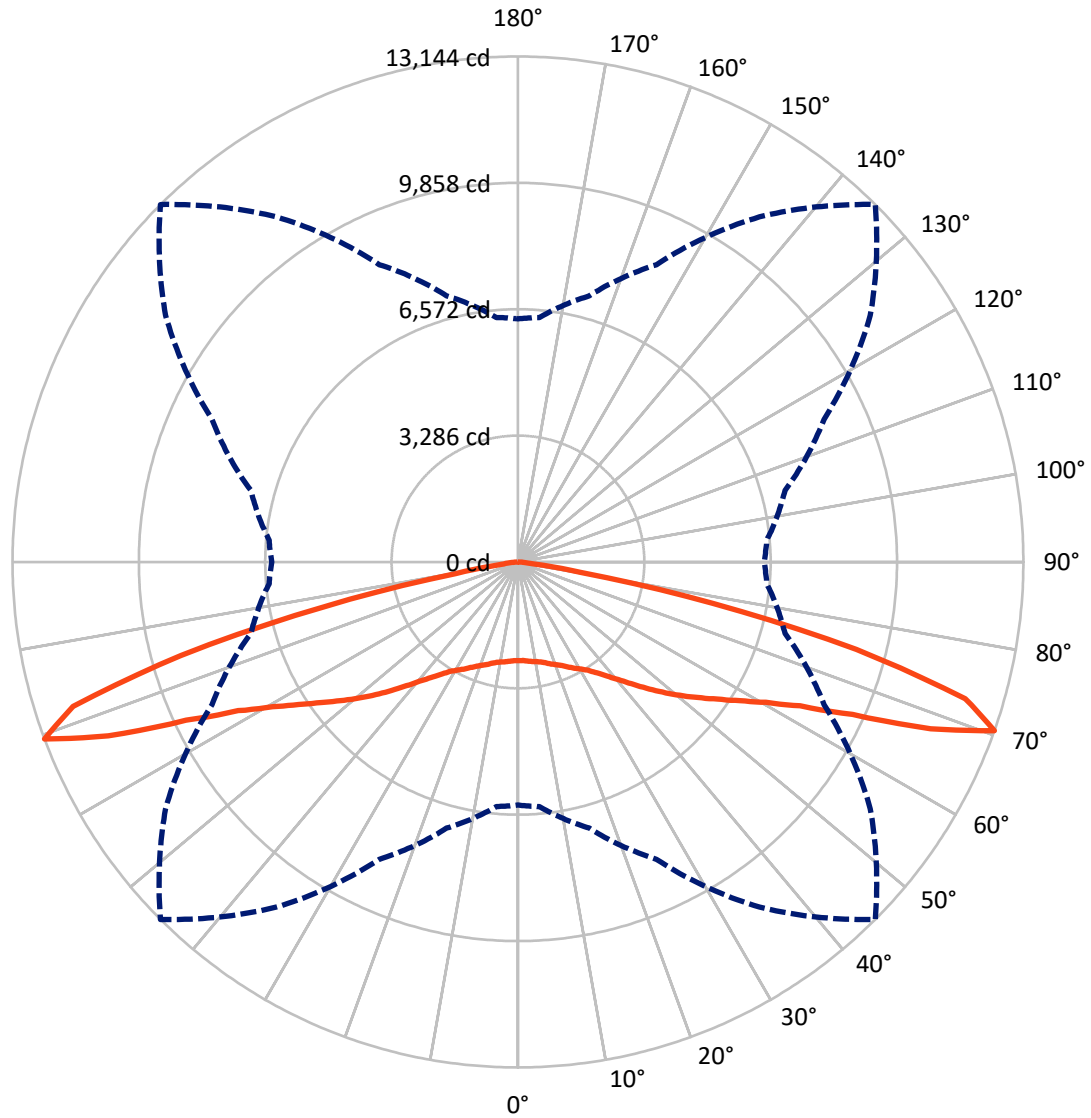
✕ Max cd  
 - - - 1/2 Max cd



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	13383.5	0.0	13383.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13383.5	0.0	13383.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26767.0	0.0	26767.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	249.1	0.9
10°-20°	772.4	2.9
20°-30°	1380.4	5.2
30°-40°	2237.6	8.4
40°-50°	3644.7	13.6
50°-60°	5556.9	20.8
60°-70°	8266.9	30.9
70°-80°	4505.7	16.8
80°-90°	153.4	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°	26767.0	100.0
0°-180°	26767.0	100.0

**Coefficient of Utilization**



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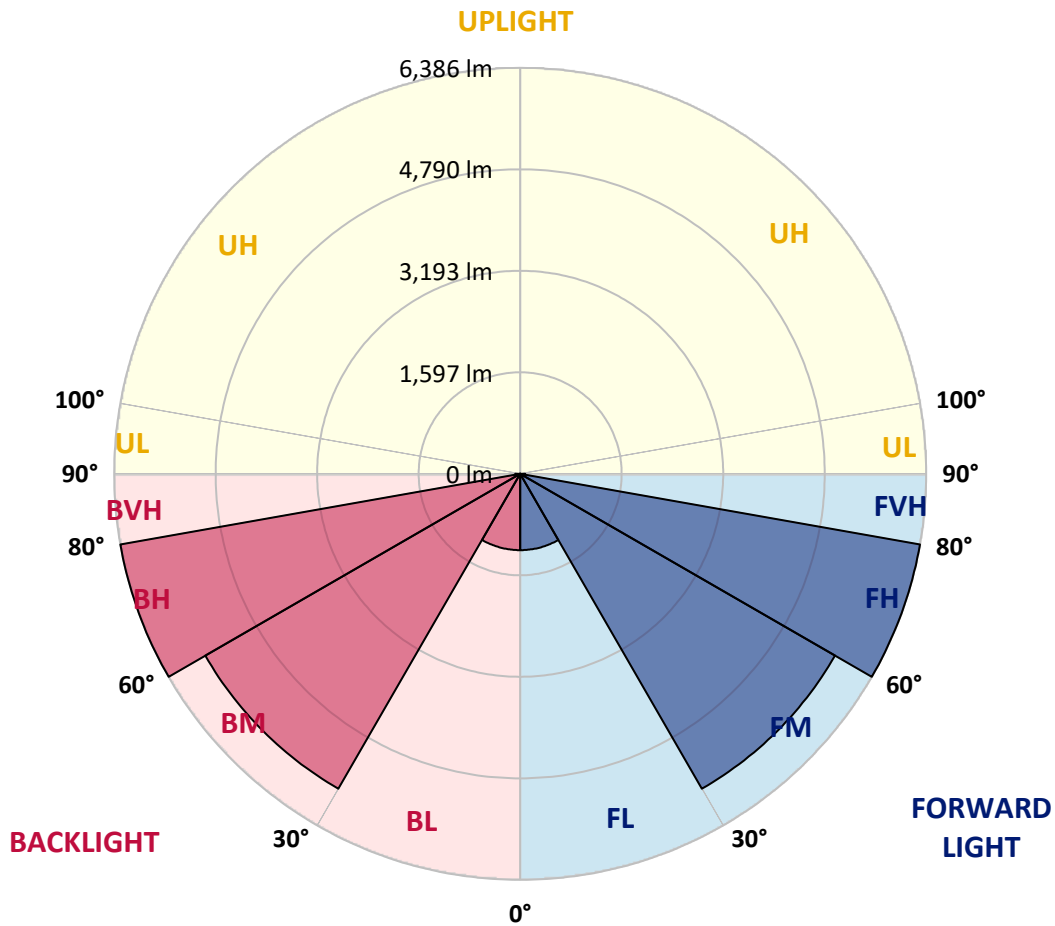
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1200.9	4.5			
FM (30°-60°)	5719.6	21.4			
FH (60°-80°)	6386.3	23.9			G3/7500
FVH (80°-90°)	76.7	0.3			G1/100
BL (0°-30°)	1200.9	4.5	B3/2500		
BM (30°-60°)	5719.6	21.4	B4/8500		
BH (60°-80°)	6386.3	23.9	B5		G3/7500
BVH (80°-90°)	76.7	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°	2564.0	2564.0	2564.0	2564.0	2564.0	2564.0	2564.0	2564.0	2564.0	2564.0
2.5°	2576.1	2578.8	2573.4	2570.7	2568.0	2564.0	2565.3	2572.1	2577.4	2576.1
5°	2597.6	2600.3	2596.3	2594.9	2589.5	2588.2	2588.2	2594.9	2598.9	2596.3
7.5°	2621.8	2625.8	2619.1	2617.8	2615.1	2612.4	2611.0	2617.8	2621.8	2621.8
10°	2644.6	2648.7	2643.3	2639.3	2636.6	2636.6	2633.9	2639.3	2646.0	2644.6
12.5°	2668.8	2671.5	2666.1	2663.4	2663.4	2667.5	2663.4	2666.1	2671.5	2668.8
15°	2698.4	2699.7	2698.4	2702.4	2709.1	2722.6	2710.5	2707.8	2710.5	2703.8
17.5°	2738.7	2741.4	2746.8	2756.2	2765.6	2789.8	2768.3	2761.5	2761.5	2748.1
20°	2788.4	2792.5	2800.5	2816.6	2828.7	2851.6	2830.1	2820.7	2816.6	2799.2
22.5°	2840.8	2847.5	2859.6	2881.1	2902.6	2924.1	2902.6	2886.5	2874.4	2851.6
25°	2901.3	2909.4	2928.2	2963.1	2992.7	3023.6	2998.1	2965.8	2941.6	2909.4
27.5°	2987.3	2996.7	3019.6	3062.6	3100.2	3127.1	3102.9	3061.2	3027.6	2988.6
30°	3108.2	3117.7	3144.5	3190.2	3215.8	3233.2	3217.1	3184.8	3144.5	3100.2
32.5°	3264.1	3276.2	3305.8	3348.8	3354.2	3356.9	3351.5	3335.4	3305.8	3252.0
35°	3461.7	3475.1	3508.7	3543.6	3538.3	3543.6	3535.6	3530.2	3508.7	3446.9
37.5°	3703.6	3719.7	3754.6	3781.5	3768.1	3761.3	3762.7	3764.0	3751.9	3683.4
40°	3984.4	4005.9	4031.4	4059.7	4036.8	4016.7	4030.1	4040.9	4030.1	3960.2
42.5°	4273.3	4304.2	4331.1	4371.4	4352.6	4327.1	4345.9	4358.0	4335.2	4259.9
45°	4594.5	4624.1	4659.0	4719.5	4706.0	4679.2	4706.0	4708.7	4669.8	4581.1
47.5°	4926.4	4957.3	5009.7	5090.4	5085.0	5055.4	5090.4	5071.6	5021.8	4915.7
50°	5240.9	5283.9	5364.5	5477.4	5488.1	5451.9	5498.9	5462.6	5379.3	5246.3
52.5°	5536.5	5582.2	5709.9	5863.1	5902.0	5855.0	5918.2	5855.0	5730.0	5559.4
55°	5846.9	5898.0	6049.9	6250.1	6328.0	6293.1	6352.2	6256.8	6079.4	5872.5
57.5°	6212.5	6243.4	6424.8	6662.6	6794.3	6802.4	6829.3	6668.0	6453.0	6217.8
60°	6608.9	6651.9	6849.4	7134.3	7342.6	7409.8	7381.6	7142.4	6892.4	6622.3
62.5°	7116.9	7163.9	7400.4	7741.7	8071.0	8237.6	8127.4	7780.7	7471.6	7147.8
65°	7537.5	7589.9	8017.2	8626.0	9225.3	9559.9	9283.1	8644.8	8088.4	7631.5
67.5°	7232.4	7296.9	7967.5	9085.5	10575.8	11574.3	10626.9	9222.6	8132.8	7513.3
70°	6321.3	6381.8	7163.9	8530.5	10956.1	13143.9	11184.6	8781.8	7189.4	6496.0
72.5°	4196.7	4391.6	5183.1	6822.6	9783.0	12162.9	9879.7	6684.1	4808.2	4187.3
75°	1392.2	1548.1	2088.3	3536.9	6552.4	9096.3	6238.0	3129.7	1654.2	1190.6
77.5°	350.7	404.5	557.7	1011.9	2613.7	5179.1	2353.0	826.4	450.2	314.5
80°	170.7	188.1	268.8	337.3	654.4	1646.2	614.1	317.1	212.3	163.9
82.5°	94.1	95.4	151.9	190.8	243.2	426.0	252.6	185.4	122.3	99.4
85°	57.8	56.4	80.6	102.1	102.1	151.9	120.9	102.1	69.9	61.8
87.5°	22.8	22.8	29.6	32.3	28.2	39.0	30.9	33.6	26.9	25.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2564.0
2577.4
2597.6
2621.8
2644.6
2667.5
2703.8
2748.1
2799.2
2850.2
2908.0
2987.3
3100.2
3253.4
3446.9
3683.4
3960.2
4265.3
4590.5
4909.0
5243.6
5543.2
5844.3
6185.6
6579.3
7091.3
7556.3
7420.6
6403.3
4051.6
1126.1
280.9
150.5
99.4
64.5
26.9
0.0

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