

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: P942360

Luminaire Tested: **GALN-SB6B-830-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942360  
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-SB6B-830-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

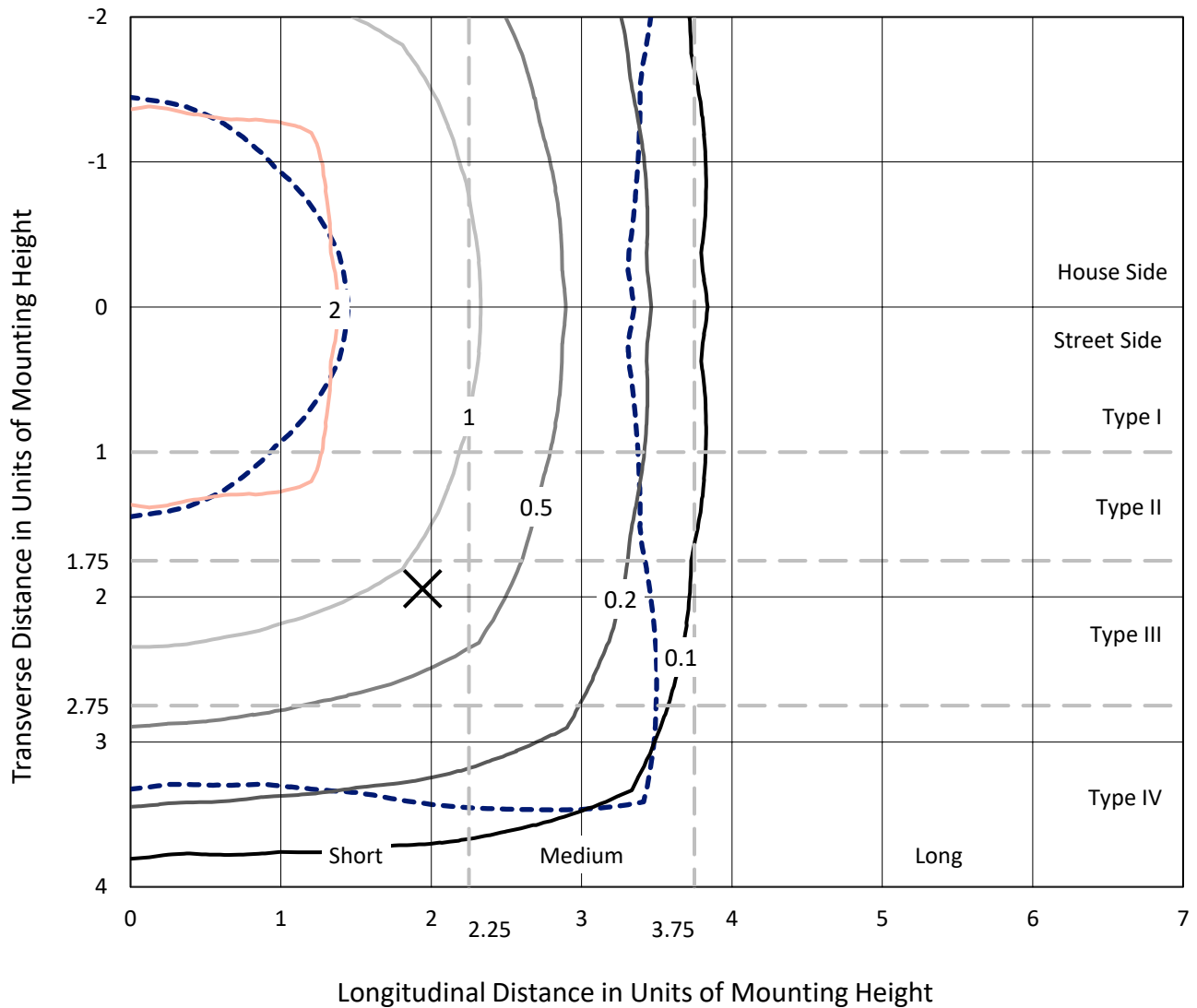
Lumens per Lamp: N/A  
Luminaire Lumens: 31036 lumens  
Efficiency: N/A  
Efficacy: 140.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

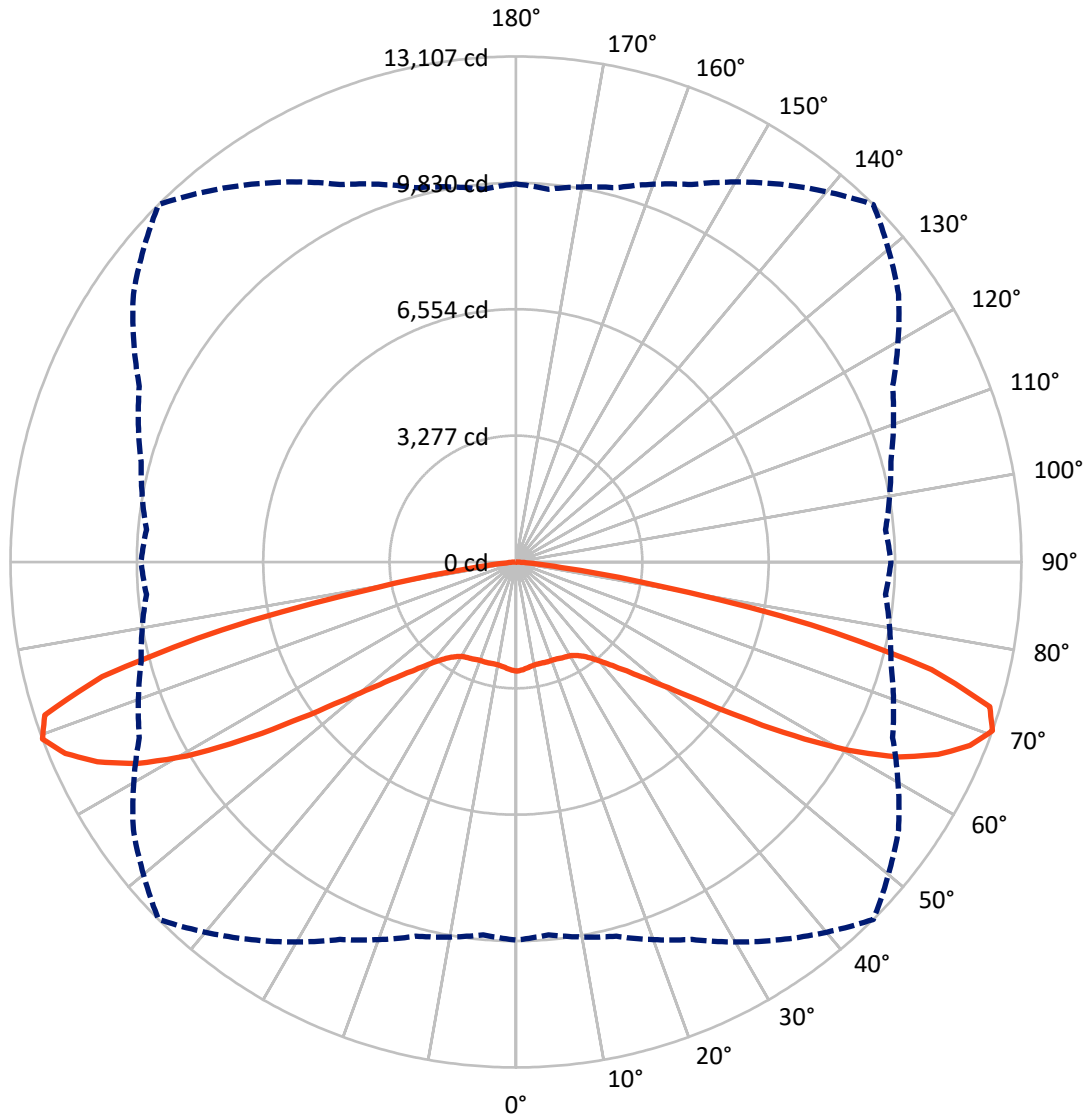
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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	15518.0	0.0	15518.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15518.0	0.0	15518.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31036.0	0.0	31036.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.4	0.8
10°-20°	773.3	2.5
20°-30°	1286.9	4.1
30°-40°	1946.1	6.3
40°-50°	3234.0	10.4
50°-60°	6102.4	19.7
60°-70°	10304.2	33.2
70°-80°	6771.0	21.8
80°-90°	354.7	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°	31036.0	100.0
0°-180°	31036.0	100.0

**Coefficient of Utilization**



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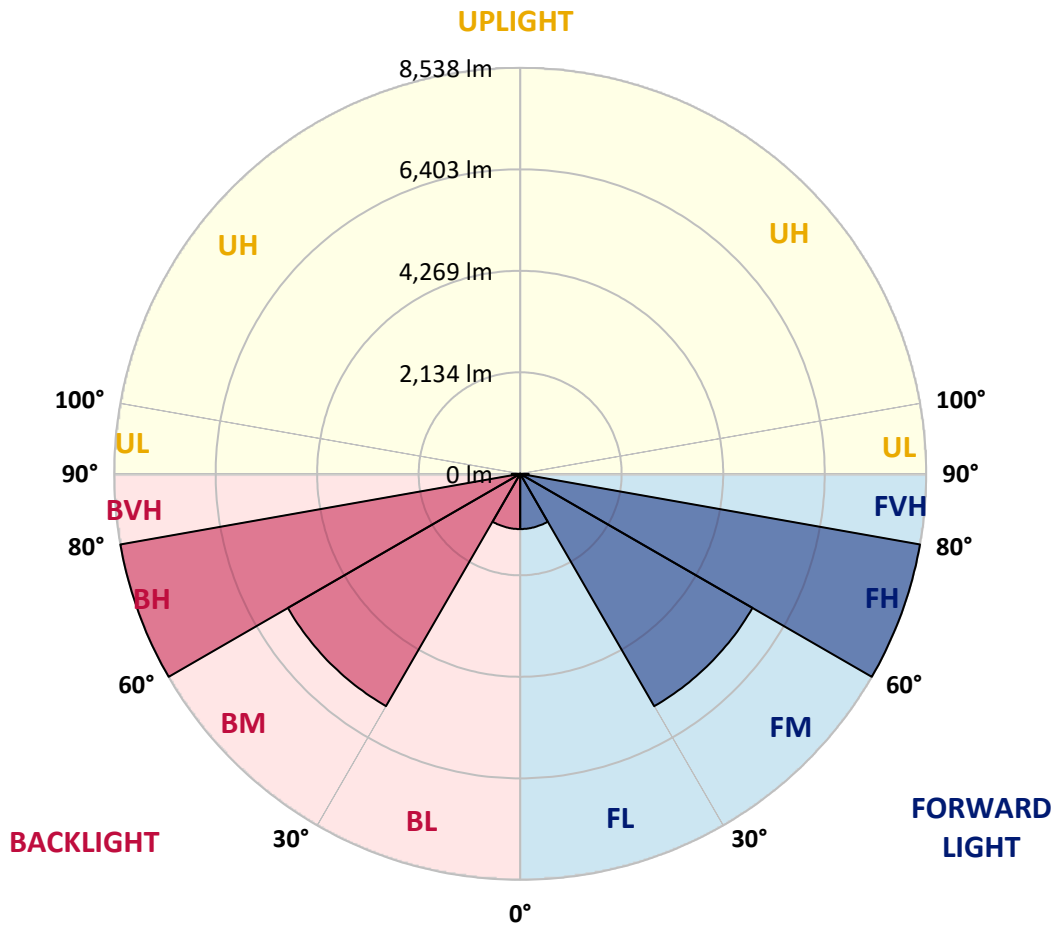
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1161.8	3.7			
FM (30°-60°)	5641.3	18.2			
FH (60°-80°)	8537.6	27.5			G4/12000
FVH (80°-90°)	177.4	0.6			G2/225
BL (0°-30°)	1161.8	3.7	B3/2500		
BM (30°-60°)	5641.3	18.2	B4/8500		
BH (60°-80°)	8537.6	27.5	B5		G4/12000
BVH (80°-90°)	177.4	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°	2831.1	2831.1	2831.1	2831.1	2831.1	2831.1	2831.1	2831.1	2831.1	2831.1
2.5°	2813.4	2821.4	2818.2	2811.8	2811.8	2806.9	2811.8	2815.0	2819.8	2823.0
5°	2776.3	2782.7	2781.1	2776.3	2777.9	2773.0	2776.3	2781.1	2784.3	2785.9
7.5°	2744.0	2750.4	2747.2	2739.2	2739.2	2734.3	2735.9	2740.8	2745.6	2747.2
10°	2735.9	2742.4	2732.7	2719.8	2715.0	2708.5	2710.1	2715.0	2724.6	2729.5
12.5°	2739.2	2744.0	2734.3	2715.0	2710.1	2703.7	2703.7	2708.5	2721.4	2727.9
15°	2748.8	2753.7	2739.2	2718.2	2713.3	2708.5	2706.9	2713.3	2727.9	2739.2
17.5°	2766.6	2771.4	2748.8	2719.8	2713.3	2715.0	2713.3	2718.2	2740.8	2761.7
20°	2782.7	2785.9	2755.3	2719.8	2713.3	2715.0	2713.3	2723.0	2752.1	2781.1
22.5°	2787.6	2790.8	2761.7	2731.1	2726.3	2727.9	2726.3	2735.9	2763.4	2792.4
25°	2789.2	2794.0	2771.4	2747.2	2755.3	2758.5	2755.3	2756.9	2777.9	2803.7
27.5°	2813.4	2819.8	2798.8	2777.9	2782.7	2781.1	2785.9	2790.8	2806.9	2832.7
30°	2863.4	2868.2	2850.5	2829.5	2826.3	2815.0	2829.5	2845.6	2863.4	2886.0
32.5°	2945.6	2955.3	2932.7	2910.2	2895.6	2889.2	2900.5	2927.9	2952.1	2976.3
35°	3082.8	3089.2	3068.2	3026.3	3000.5	3000.5	3010.2	3045.7	3084.4	3115.0
37.5°	3276.3	3284.4	3247.3	3197.3	3158.6	3158.6	3171.5	3208.6	3266.7	3310.2
40°	3511.9	3523.2	3476.4	3424.8	3387.7	3381.2	3397.3	3439.3	3494.1	3549.0
42.5°	3795.8	3808.7	3747.4	3702.2	3673.2	3673.2	3681.2	3720.0	3770.0	3837.7
45°	4158.7	4181.3	4097.4	4052.3	4024.9	4031.3	4036.1	4070.0	4115.2	4192.6
47.5°	4591.1	4613.7	4524.9	4478.2	4473.3	4504.0	4484.6	4508.8	4533.0	4621.7
50°	5081.5	5120.2	5058.9	5055.7	5065.3	5121.8	5076.6	5089.5	5062.1	5118.6
52.5°	5681.6	5738.0	5726.7	5746.1	5854.2	5970.3	5867.1	5821.9	5718.7	5736.4
55°	6409.1	6494.6	6510.7	6626.9	6872.1	7109.2	6889.8	6707.5	6488.2	6447.8
57.5°	7236.7	7304.4	7381.9	7619.0	8077.1	8498.2	8077.1	7673.8	7328.6	7246.3
60°	8127.1	8211.0	8285.2	8635.3	9316.0	9908.1	9303.1	8662.7	8206.2	8094.9
62.5°	9083.7	9191.8	9243.4	9632.2	10425.9	11132.5	10437.2	9661.3	9154.7	9035.3
65°	10001.6	10090.4	10148.4	10563.0	11321.2	12029.4	11372.8	10608.2	10087.1	9930.7
67.5°	10429.1	10477.5	10619.5	11088.9	11889.0	12697.2	12024.5	11138.9	10556.6	10282.3
70°	9803.2	9704.8	10046.8	10798.5	11956.8	13107.0	12111.7	10776.0	10062.9	9617.7
72.5°	7575.4	7406.0	7999.7	9285.4	11182.5	12845.6	11259.9	9358.0	8369.1	7465.7
75°	4121.6	3929.7	4749.2	6375.2	8917.6	11134.1	9122.5	6557.5	5288.0	4091.0
77.5°	1163.1	1090.5	1751.9	3084.4	5363.8	7817.4	5570.3	3152.1	2077.8	1232.5
80°	356.5	345.2	467.8	929.2	2277.8	3744.2	2189.1	940.5	595.3	375.9
82.5°	211.3	193.6	232.3	338.8	580.7	1176.0	564.6	353.3	283.9	190.4
85°	121.0	112.9	137.1	164.5	195.2	250.0	162.9	167.8	151.6	101.6
87.5°	50.0	45.2	53.2	51.6	45.2	58.1	43.6	51.6	61.3	40.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2831.1
2821.4
2785.9
2747.2
2729.5
2729.5
2740.8
2761.7
2782.7
2792.4
2802.1
2826.3
2881.1
2966.6
3103.7
3294.1
3531.2
3832.9
4189.4
4595.9
5084.7
5676.7
6384.9
7188.3
7998.1
8938.6
9853.2
10285.6
9724.2
7690.0
4357.2
1369.6
396.8
206.5
106.5
37.1
0.0

OF REPORT)