

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: P942220

Luminaire Tested: **GALN-SB6A-850-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942220  
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-SB6A-850-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

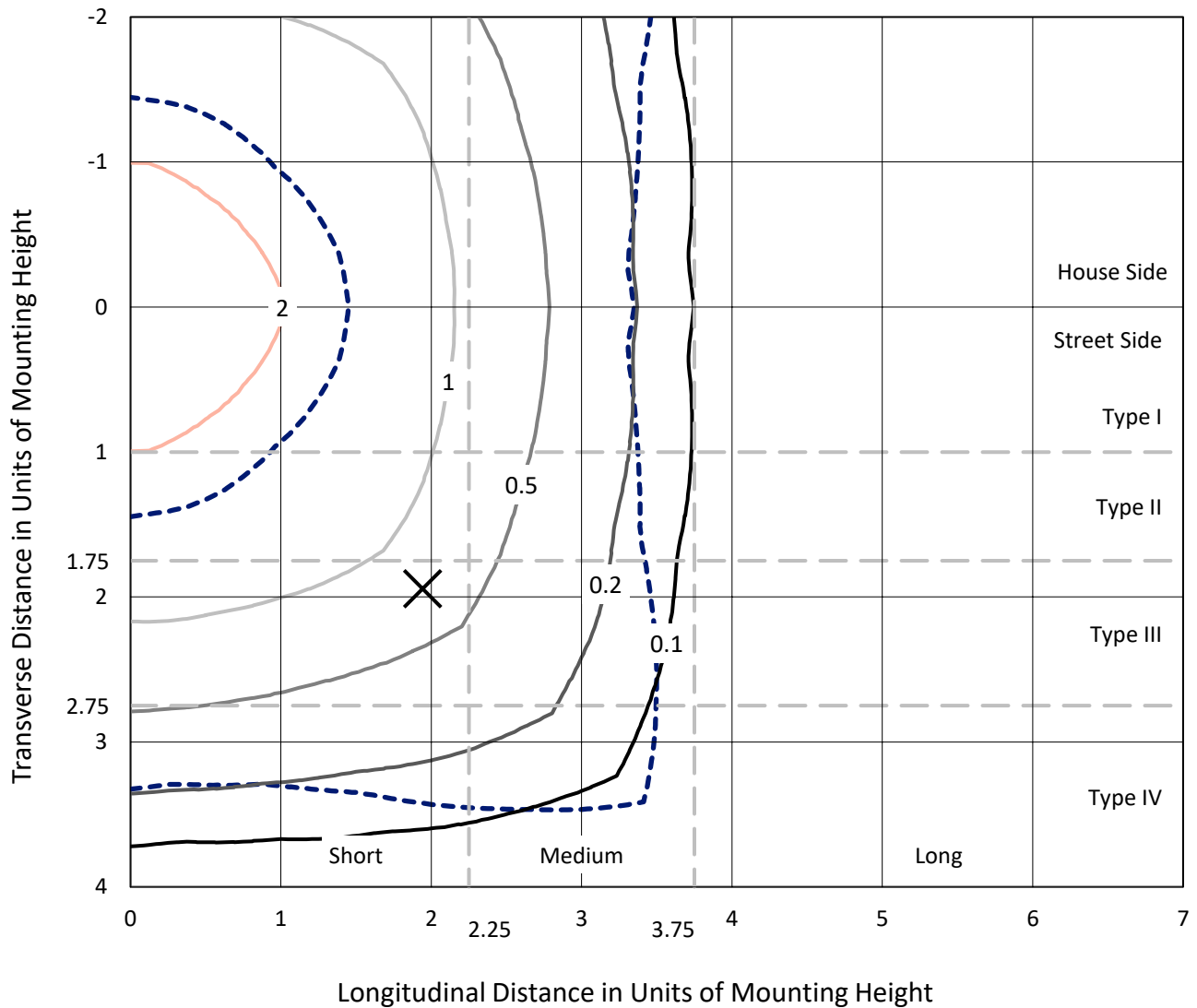
Lumens per Lamp: N/A  
Luminaire Lumens: 26319 lumens  
Efficiency: N/A  
Efficacy: 154.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

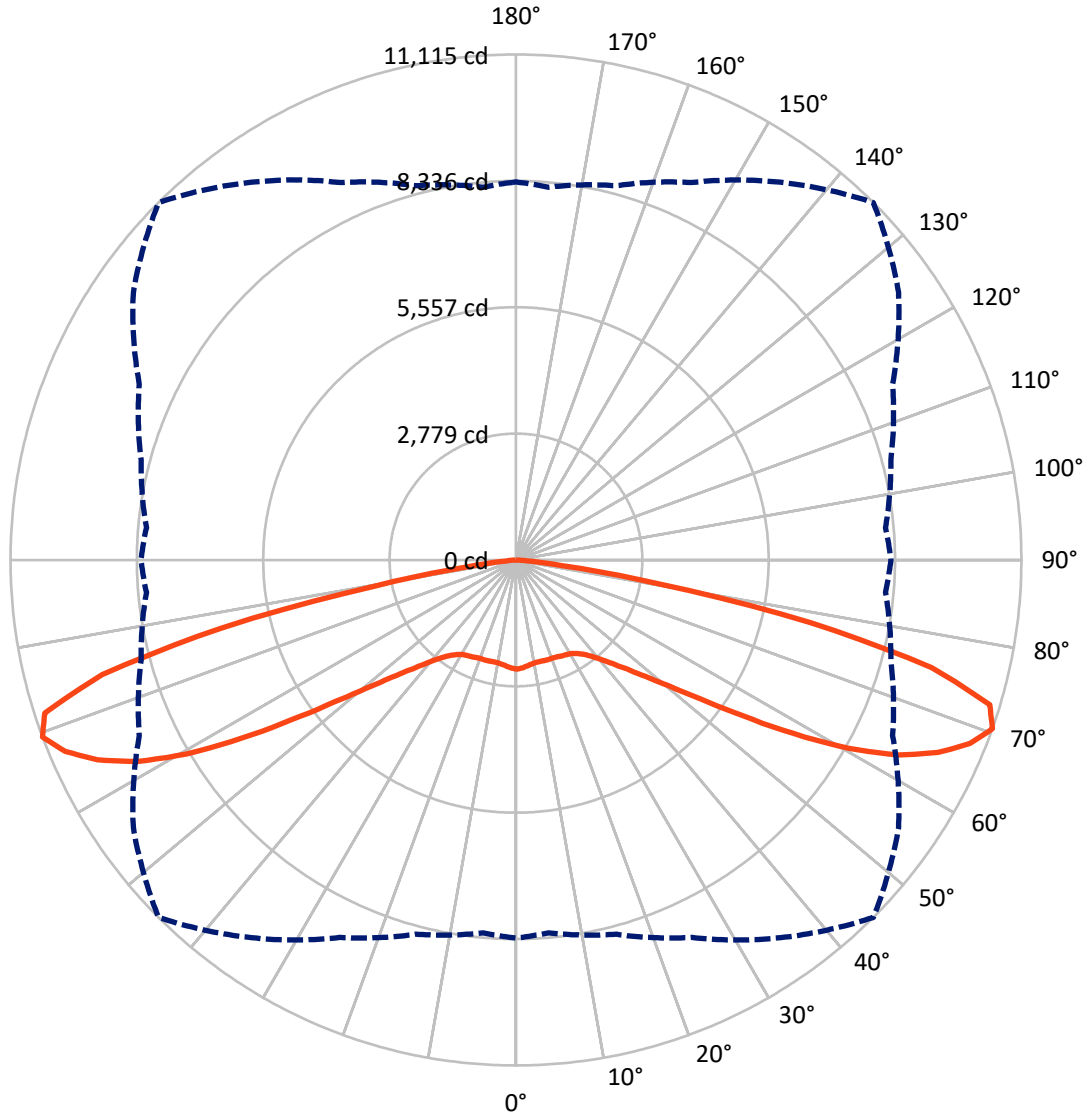
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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	13159.5	0.0	13159.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13159.5	0.0	13159.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26319.0	0.0	26319.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	223.3	0.8
10°-20°	655.8	2.5
20°-30°	1091.3	4.1
30°-40°	1650.3	6.3
40°-50°	2742.5	10.4
50°-60°	5175.0	19.7
60°-70°	8738.1	33.2
70°-80°	5741.9	21.8
80°-90°	300.8	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°	26319.0	100.0
0°-180°	26319.0	100.0

**Coefficient of Utilization**



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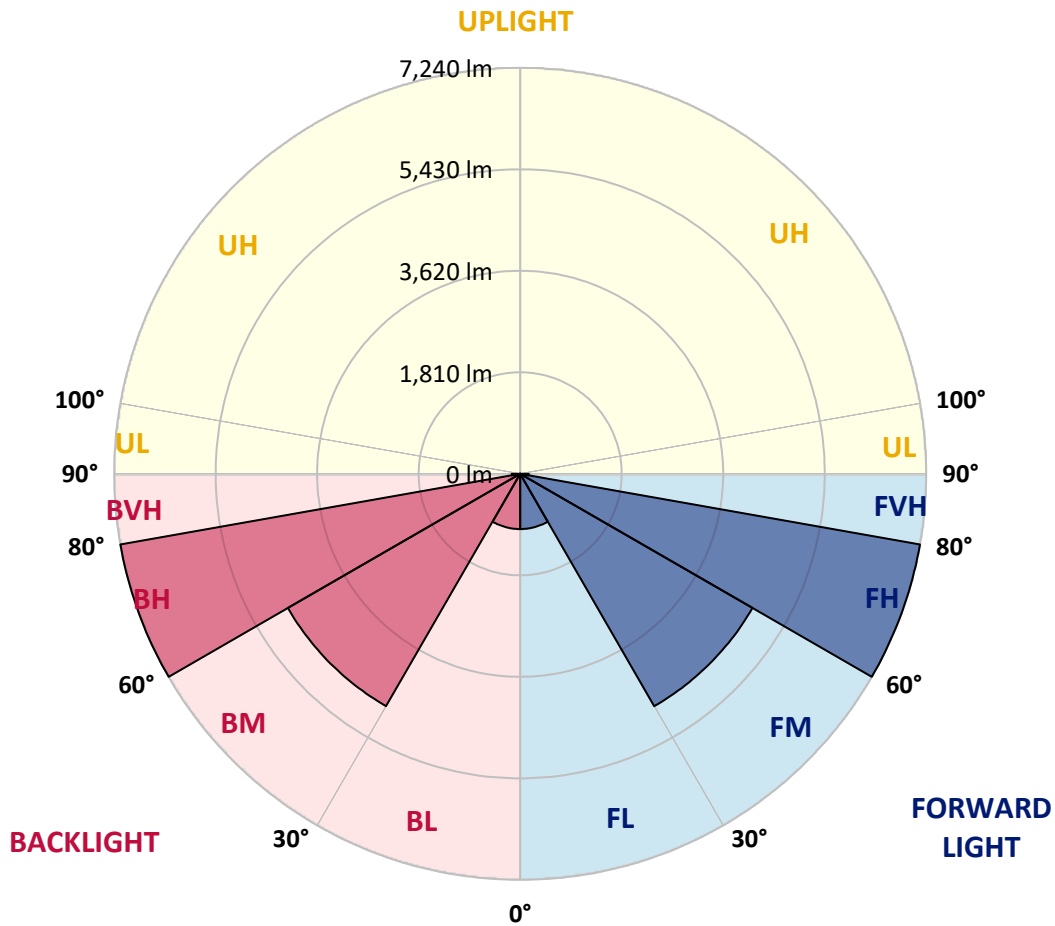
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	985.2	3.7			
FM (30°-60°)	4783.9	18.2			
FH (60°-80°)	7240.0	27.5			G3/7500
FVH (80°-90°)	150.4	0.6			G2/225
BL (0°-30°)	985.2	3.7	B2/1000		
BM (30°-60°)	4783.9	18.2	B3/5000		
BH (60°-80°)	7240.0	27.5	B5		G3/7500
BVH (80°-90°)	150.4	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-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2400.8	2400.8	2400.8	2400.8	2400.8	2400.8	2400.8	2400.8	2400.8	2400.8
2.5°	2385.8	2392.6	2389.9	2384.4	2384.4	2380.3	2384.4	2387.1	2391.2	2394.0
5°	2354.3	2359.8	2358.4	2354.3	2355.7	2351.6	2354.3	2358.4	2361.2	2362.5
7.5°	2327.0	2332.4	2329.7	2322.8	2322.8	2318.7	2320.1	2324.2	2328.3	2329.7
10°	2320.1	2325.6	2317.4	2306.4	2302.3	2296.9	2298.2	2302.3	2310.5	2314.6
12.5°	2322.8	2327.0	2318.7	2302.3	2298.2	2292.8	2292.8	2296.9	2307.8	2313.3
15°	2331.1	2335.2	2322.8	2305.1	2301.0	2296.9	2295.5	2301.0	2313.3	2322.8
17.5°	2346.1	2350.2	2331.1	2306.4	2301.0	2302.3	2301.0	2305.1	2324.2	2342.0
20°	2359.8	2362.5	2336.5	2306.4	2301.0	2302.3	2301.0	2309.2	2333.8	2358.4
22.5°	2363.9	2366.6	2342.0	2316.0	2311.9	2313.3	2311.9	2320.1	2343.4	2368.0
25°	2365.3	2369.4	2350.2	2329.7	2336.5	2339.3	2336.5	2337.9	2355.7	2377.6
27.5°	2385.8	2391.2	2373.5	2355.7	2359.8	2358.4	2362.5	2366.6	2380.3	2402.2
30°	2428.2	2432.3	2417.2	2399.5	2396.7	2387.1	2399.5	2413.1	2428.2	2447.3
32.5°	2497.9	2506.2	2487.0	2467.9	2455.5	2450.1	2459.6	2482.9	2503.4	2523.9
35°	2614.2	2619.7	2601.9	2566.3	2544.5	2544.5	2552.7	2582.8	2615.6	2641.6
37.5°	2778.4	2785.2	2753.8	2711.4	2678.5	2678.5	2689.5	2720.9	2770.2	2807.1
40°	2978.1	2987.7	2948.0	2904.2	2872.8	2867.3	2881.0	2916.6	2963.1	3009.6
42.5°	3218.9	3229.8	3177.8	3139.5	3114.9	3114.9	3121.8	3154.6	3197.0	3254.4
45°	3526.7	3545.8	3474.7	3436.4	3413.1	3418.6	3422.7	3451.4	3489.7	3555.4
47.5°	3893.3	3912.5	3837.2	3797.5	3793.4	3819.4	3803.0	3823.5	3844.1	3919.3
50°	4309.2	4342.0	4290.0	4287.3	4295.5	4343.4	4305.1	4316.0	4292.8	4340.6
52.5°	4818.1	4865.9	4856.4	4872.8	4964.4	5062.9	4975.4	4937.1	4849.5	4864.6
55°	5435.0	5507.5	5521.2	5619.7	5827.6	6028.7	5842.7	5688.1	5502.1	5467.9
57.5°	6136.8	6194.3	6259.9	6461.0	6849.5	7206.6	6849.5	6507.5	6214.8	6145.0
60°	6891.9	6963.1	7026.0	7322.9	7900.1	8402.2	7889.2	7346.1	6959.0	6864.6
62.5°	7703.2	7794.8	7838.6	8168.3	8841.3	9440.5	8850.9	8192.9	7763.3	7662.1
65°	8481.5	8556.8	8606.0	8957.6	9600.6	10201.1	9644.3	8995.9	8554.0	8421.3
67.5°	8844.1	8885.1	9005.5	9403.6	10082.1	10767.5	10197.0	9446.0	8952.1	8719.6
70°	8313.3	8229.8	8519.8	9157.3	10139.5	11114.9	10270.9	9138.2	8533.5	8156.0
72.5°	6424.1	6280.4	6783.9	7874.2	9482.9	10893.3	9548.6	7935.7	7097.1	6331.1
75°	3495.2	3332.4	4027.4	5406.3	7562.2	9441.9	7736.0	5560.9	4484.3	3469.2
77.5°	986.3	924.8	1485.6	2615.6	4548.6	6629.3	4723.7	2673.1	1762.0	1045.1
80°	302.3	292.7	396.7	788.0	1931.6	3175.1	1856.4	797.5	504.8	318.7
82.5°	179.2	164.2	197.0	287.3	492.5	997.3	478.8	299.6	240.8	161.4
85°	102.6	95.8	116.3	139.5	165.5	212.0	138.2	142.3	128.6	86.2
87.5°	42.4	38.3	45.1	43.8	38.3	49.2	36.9	43.8	52.0	34.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2400.8
2392.6
2362.5
2329.7
2314.6
2314.6
2324.2
2342.0
2359.8
2368.0
2376.2
2396.7
2443.2
2515.7
2632.0
2793.4
2994.5
3250.3
3552.7
3897.4
4311.9
4814.0
5414.5
6095.8
6782.5
7580.0
8355.7
8722.3
8246.2
6521.2
3694.9
1161.4
336.5
175.1
90.3
31.5
0.0

OF REPORT)