

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: P952138

Luminaire Tested: **GALN-SB6A-830-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952138
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-SB6A-830-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25597 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

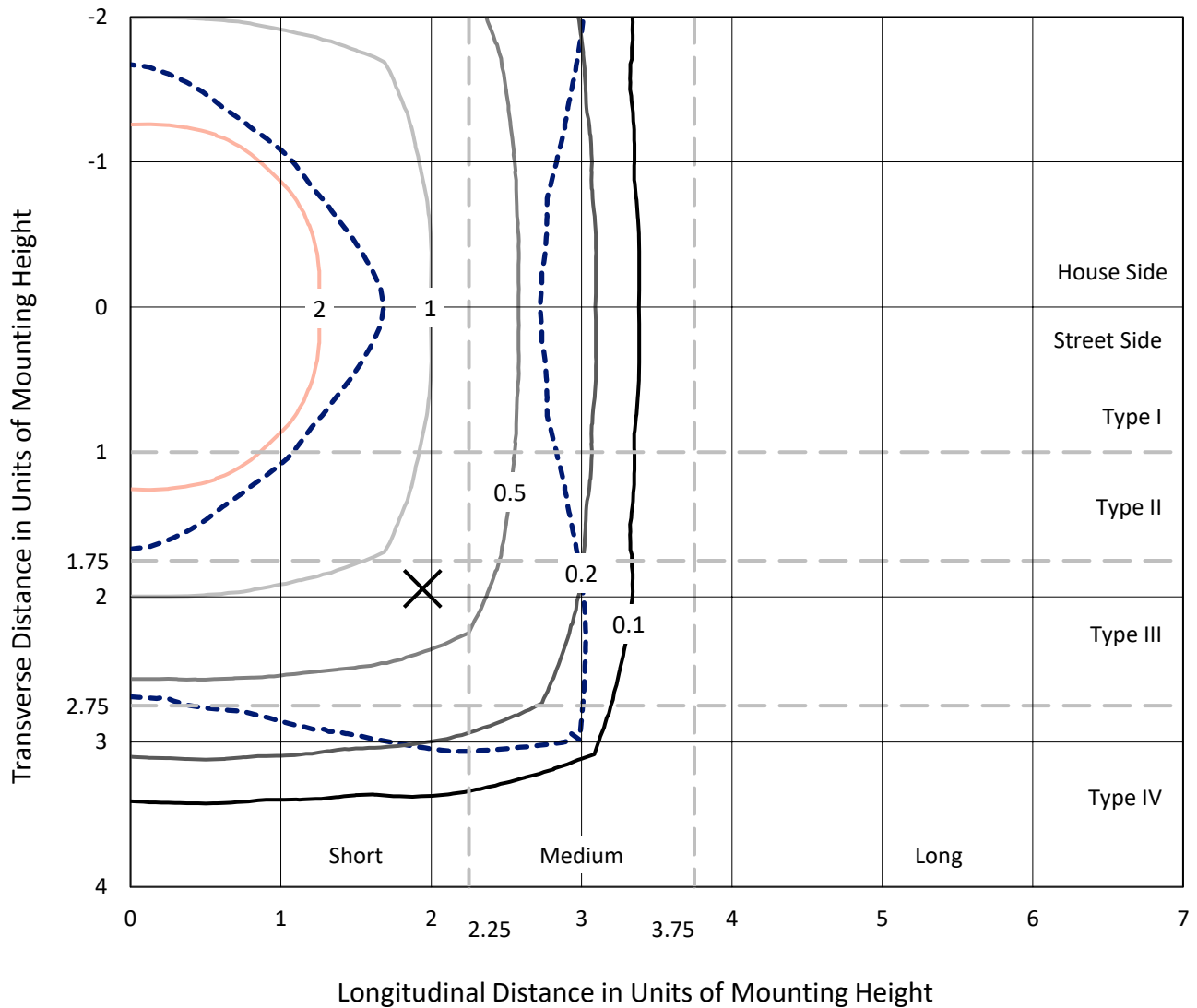
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

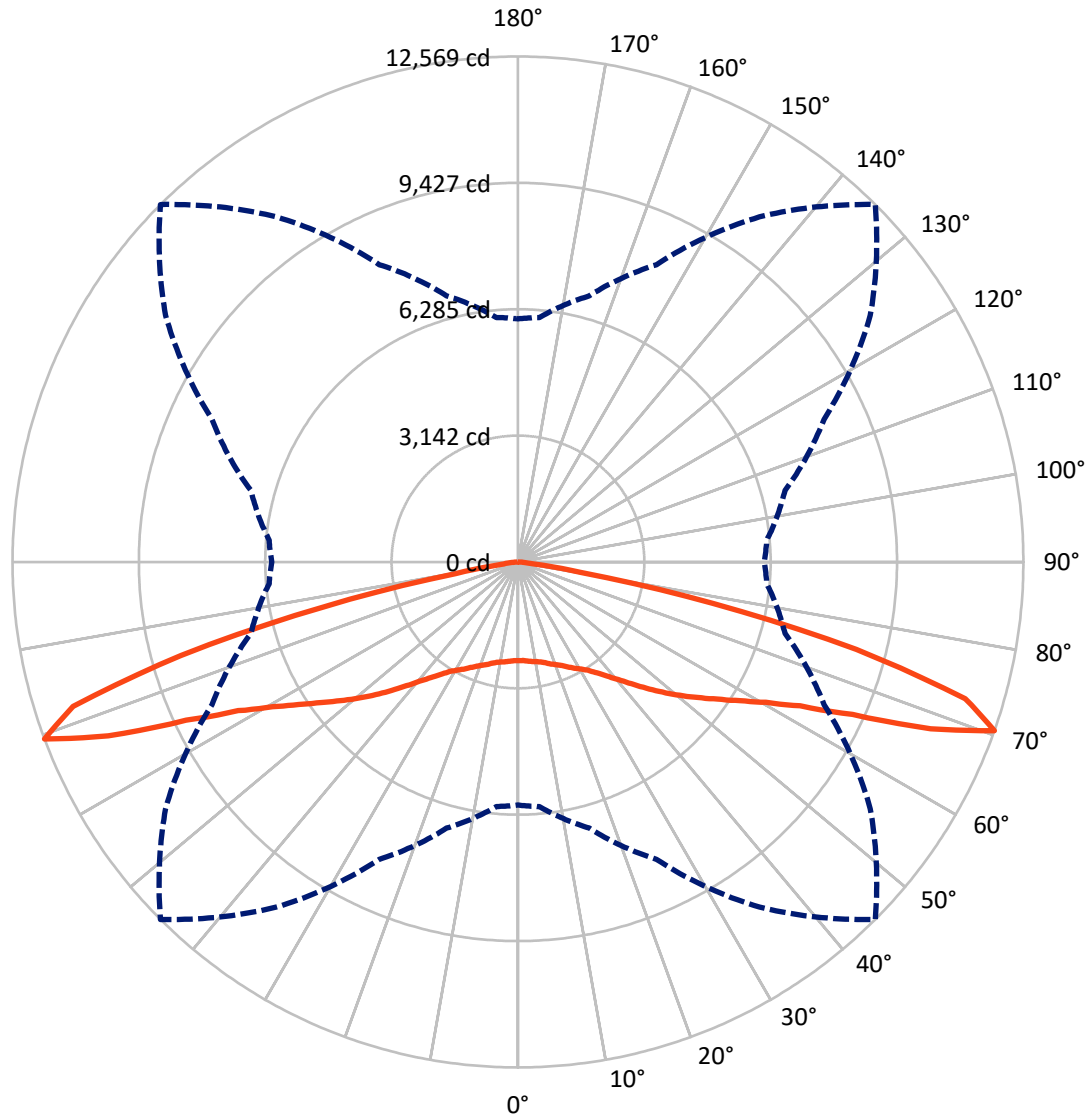
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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
House Side	Lumens	12798.5	0.0	12798.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12798.5	0.0	12798.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25597.0	0.0	25597.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.2	0.9
10°-20°	738.6	2.9
20°-30°	1320.0	5.2
30°-40°	2139.8	8.4
40°-50°	3485.3	13.6
50°-60°	5314.0	20.8
60°-70°	7905.5	30.9
70°-80°	4308.8	16.8
80°-90°	146.7	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°	25597.0	100.0
0°-180°	25597.0	100.0



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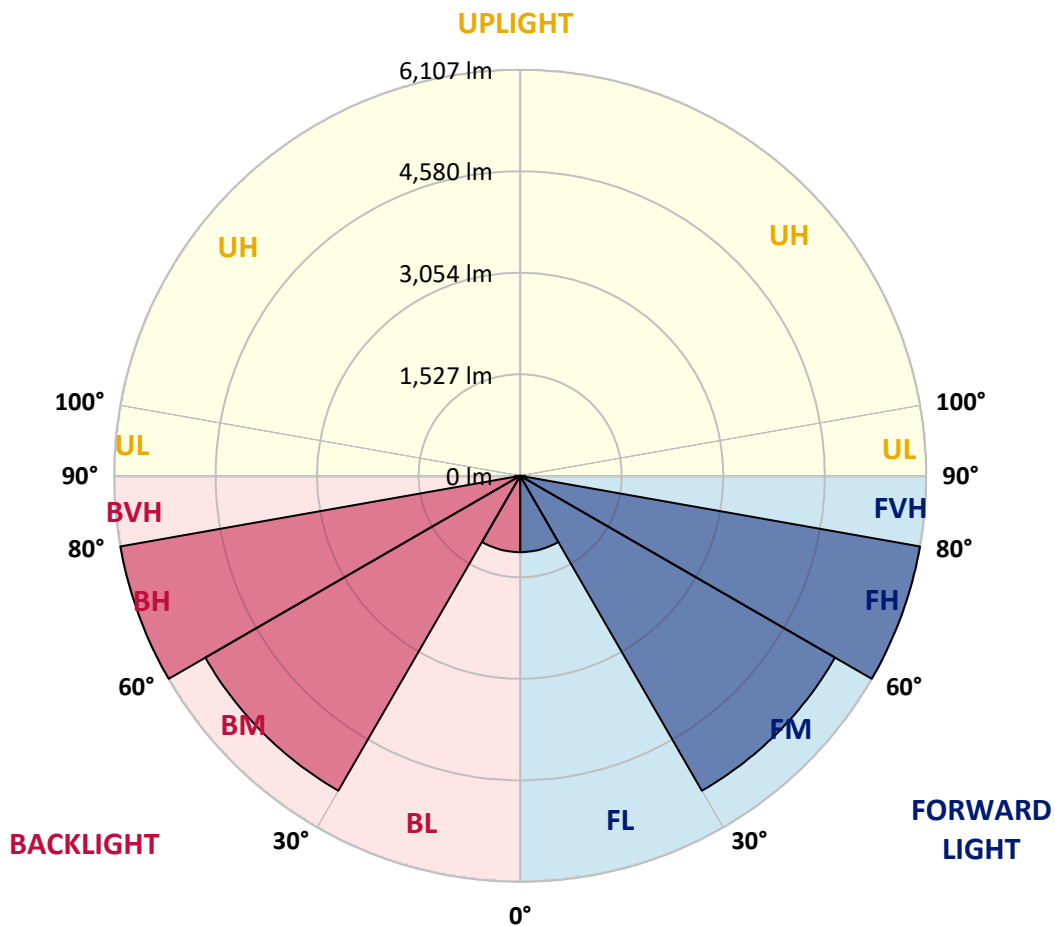
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1148.4	4.5			
FM (30°-60°)	5469.6	21.4			
FH (60°-80°)	6107.1	23.9			G3/7500
FVH (80°-90°)	73.4	0.3			G1/100
BL (0°-30°)	1148.4	4.5	B3/2500		
BM (30°-60°)	5469.6	21.4	B4/8500		
BH (60°-80°)	6107.1	23.9	B5		G3/7500
BVH (80°-90°)	73.4	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°	2451.9	2451.9	2451.9	2451.9	2451.9	2451.9	2451.9	2451.9	2451.9	2451.9
2.5°	2463.5	2466.1	2460.9	2458.4	2455.8	2451.9	2453.2	2459.6	2464.8	2463.5
5°	2484.1	2486.6	2482.8	2481.5	2476.3	2475.1	2475.1	2481.5	2485.3	2482.8
7.5°	2507.2	2511.0	2504.6	2503.3	2500.8	2498.2	2496.9	2503.3	2507.2	2507.2
10°	2529.0	2532.9	2527.7	2523.9	2521.3	2521.3	2518.8	2523.9	2530.3	2529.0
12.5°	2552.2	2554.7	2549.6	2547.0	2547.0	2550.9	2547.0	2549.6	2554.7	2552.2
15°	2580.4	2581.7	2580.4	2584.3	2590.7	2603.6	2592.0	2589.4	2592.0	2585.6
17.5°	2619.0	2621.6	2626.7	2635.7	2644.7	2667.8	2647.3	2640.8	2640.8	2628.0
20°	2666.5	2670.4	2678.1	2693.5	2705.1	2726.9	2706.4	2697.4	2693.5	2676.8
22.5°	2716.7	2723.1	2734.6	2755.2	2775.8	2796.3	2775.8	2760.3	2748.8	2726.9
25°	2774.5	2782.2	2800.2	2833.6	2861.9	2891.4	2867.0	2836.2	2813.0	2782.2
27.5°	2856.7	2865.7	2887.6	2928.7	2964.7	2990.4	2967.2	2927.4	2895.3	2858.0
30°	2972.4	2981.4	3007.1	3050.8	3075.2	3091.9	3076.5	3045.6	3007.1	2964.7
32.5°	3121.5	3133.0	3161.3	3202.4	3207.6	3210.1	3205.0	3189.6	3161.3	3109.9
35°	3310.4	3323.2	3355.3	3388.7	3383.6	3388.7	3381.0	3375.9	3355.3	3296.2
37.5°	3541.7	3557.1	3590.5	3616.2	3603.4	3596.9	3598.2	3599.5	3587.9	3522.4
40°	3810.3	3830.8	3855.2	3882.2	3860.4	3841.1	3853.9	3864.2	3853.9	3787.1
42.5°	4086.5	4116.1	4141.8	4180.4	4162.4	4137.9	4155.9	4167.5	4145.7	4073.7
45°	4393.7	4422.0	4455.4	4513.2	4500.3	4474.6	4500.3	4502.9	4465.6	4380.8
47.5°	4711.1	4740.7	4790.8	4867.9	4862.7	4834.5	4867.9	4849.9	4802.3	4700.8
50°	5011.8	5052.9	5130.0	5238.0	5248.3	5213.6	5258.5	5223.8	5144.2	5016.9
52.5°	5294.5	5338.2	5460.3	5606.8	5644.1	5599.1	5659.5	5599.1	5479.6	5316.4
55°	5591.4	5640.2	5785.4	5976.9	6051.4	6018.0	6074.6	5983.3	5813.7	5615.8
57.5°	5940.9	5970.5	6144.0	6371.4	6497.4	6505.1	6530.8	6376.6	6170.9	5946.1
60°	6320.0	6361.1	6550.0	6822.5	7021.7	7085.9	7058.9	6830.2	6591.2	6332.9
62.5°	6805.8	6850.7	7076.9	7403.3	7718.2	7877.5	7772.1	7440.6	7145.0	6835.3
65°	7208.0	7258.1	7666.8	8248.9	8822.1	9142.0	8877.3	8266.9	7734.9	7298.0
67.5°	6916.3	6978.0	7619.2	8688.4	10113.6	11068.4	10162.4	8819.5	7777.3	7184.9
70°	6045.0	6102.8	6850.7	8157.7	10477.2	12569.3	10695.7	8398.0	6875.2	6212.1
72.5°	4013.3	4199.6	4956.5	6524.3	9355.4	11631.2	9447.9	6392.0	4598.0	4004.3
75°	1331.3	1480.4	1997.0	3382.3	6266.0	8698.7	5965.3	2992.9	1581.9	1138.6
77.5°	335.4	386.8	533.3	967.7	2499.5	4952.7	2250.2	790.3	430.5	300.7
80°	163.2	179.9	257.0	322.6	625.8	1574.2	587.3	303.3	203.0	156.8
82.5°	90.0	91.2	145.2	182.5	232.6	407.4	241.6	177.3	116.9	95.1
85°	55.3	54.0	77.1	97.7	97.7	145.2	115.7	97.7	66.8	59.1
87.5°	21.8	21.8	28.3	30.8	27.0	37.3	29.6	32.1	25.7	24.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2451.9
2464.8
2484.1
2507.2
2529.0
2550.9
2585.6
2628.0
2676.8
2725.6
2780.9
2856.7
2964.7
3111.2
3296.2
3522.4
3787.1
4078.8
4389.8
4694.4
5014.4
5300.9
5588.8
5915.2
6291.7
6781.4
7226.0
7096.2
6123.4
3874.5
1076.9
268.6
143.9
95.1
61.7
25.7
0.0

OF REPORT)