

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: P955162

Luminaire Tested: **GALN-SB8A-950-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955162
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-SB8A-950-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26426 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

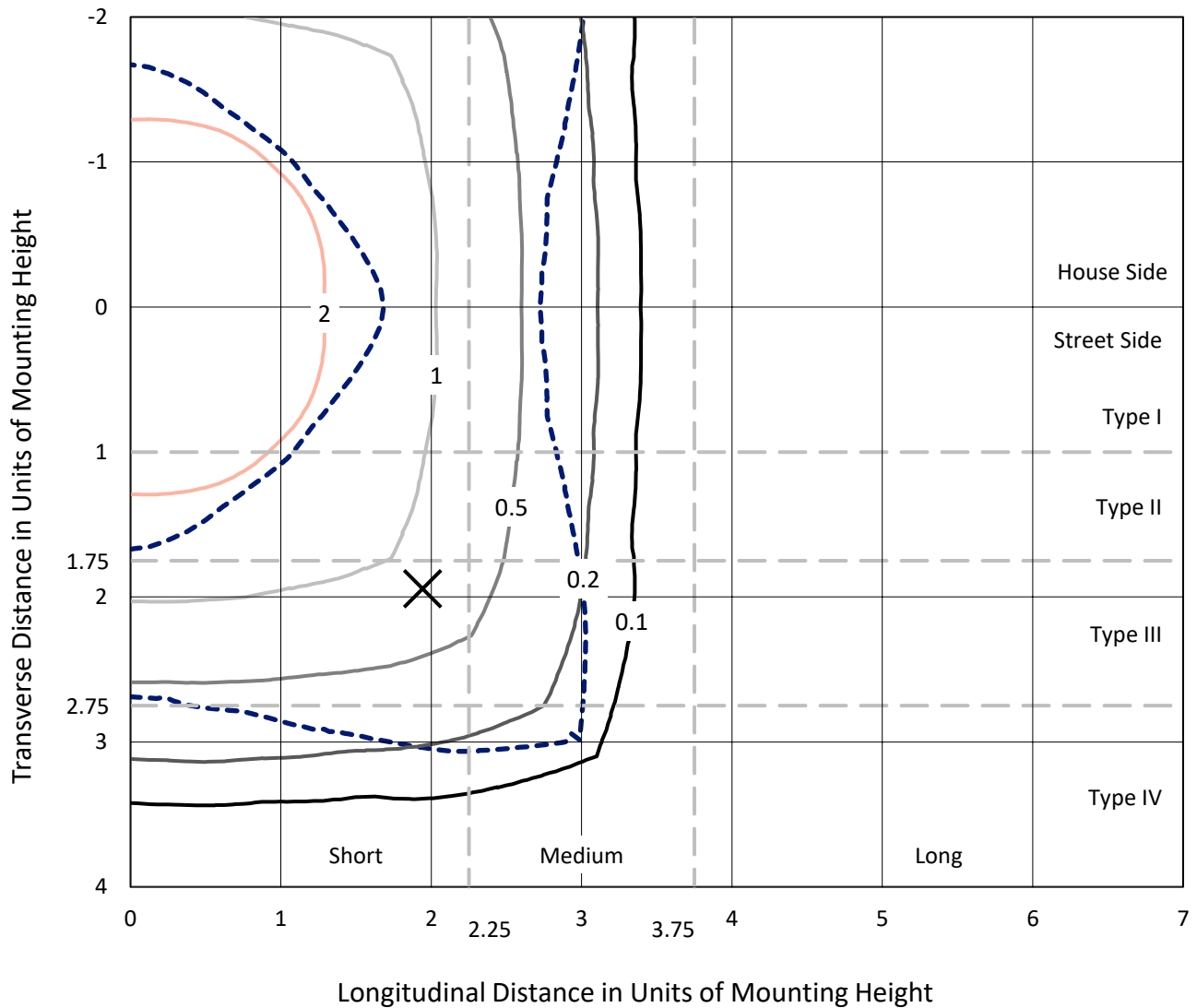
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

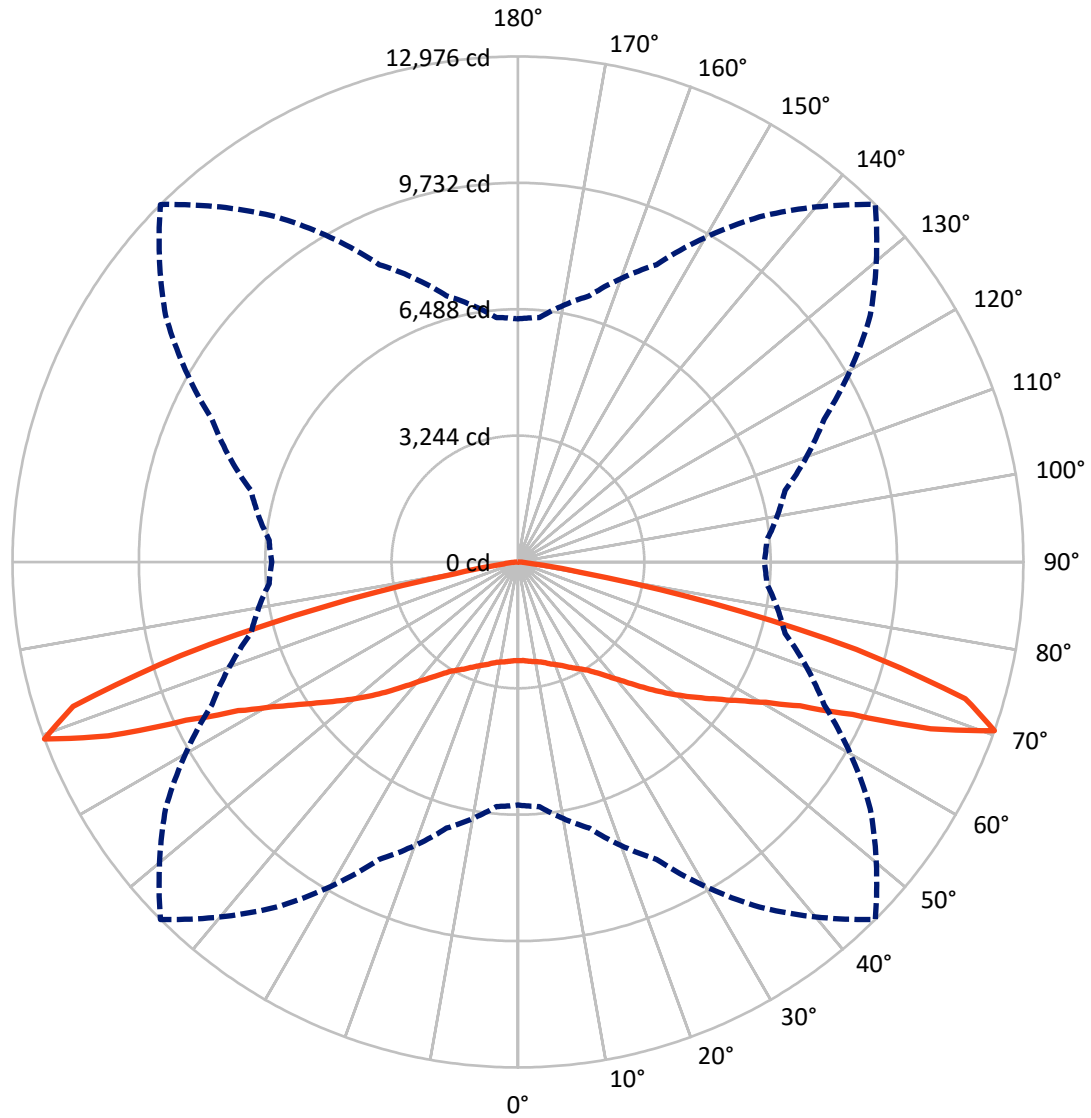
✕ Max cd
 - - - 1/2 Max cd



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
House Side	Lumens	13213.0	0.0	13213.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13213.0	0.0	13213.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26426.0	0.0	26426.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.9	0.9
10°-20°	762.6	2.9
20°-30°	1362.8	5.2
30°-40°	2209.1	8.4
40°-50°	3598.2	13.6
50°-60°	5486.1	20.8
60°-70°	8161.5	30.9
70°-80°	4448.3	16.8
80°-90°	151.5	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°	26426.0	100.0
0°-180°	26426.0	100.0



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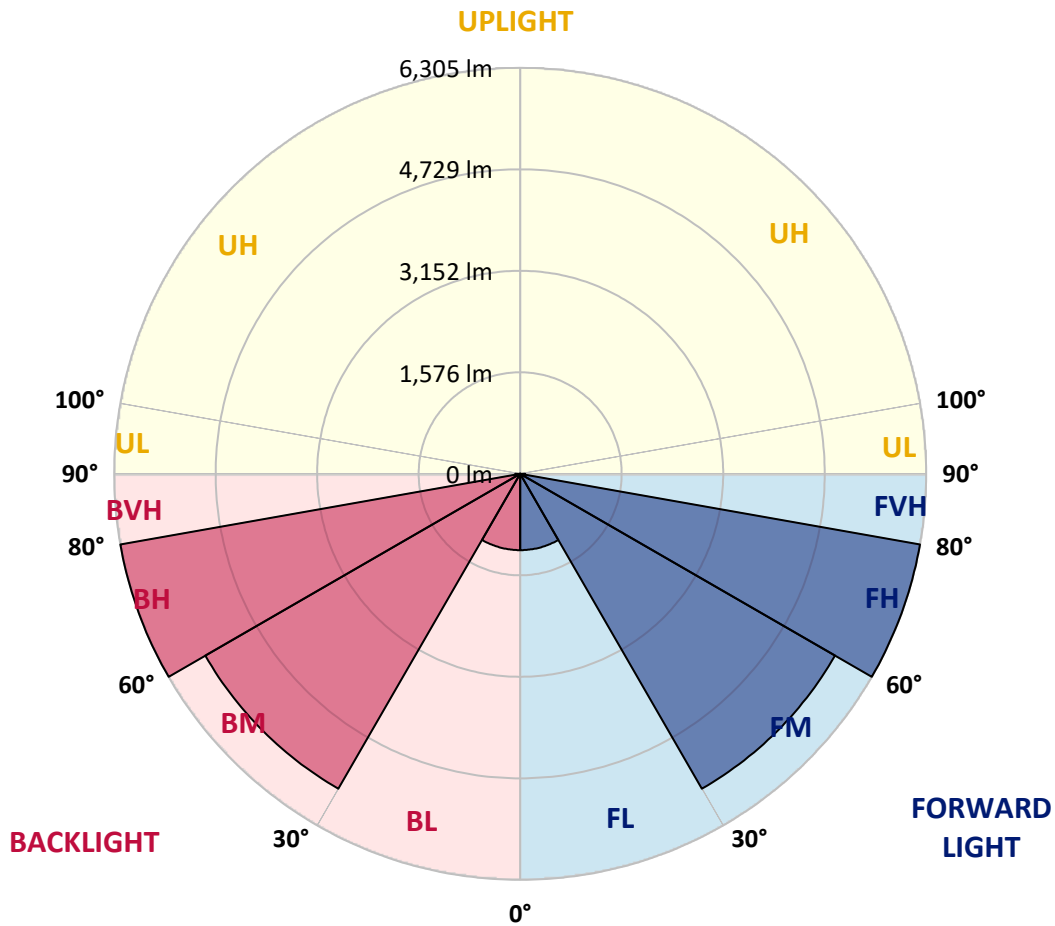
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1185.6	4.5			
FM (30°-60°)	5646.7	21.4			
FH (60°-80°)	6304.9	23.9			G3/7500
FVH (80°-90°)	75.7	0.3			G1/100
BL (0°-30°)	1185.6	4.5	B3/2500		
BM (30°-60°)	5646.7	21.4	B4/8500		
BH (60°-80°)	6304.9	23.9	B5		G3/7500
BVH (80°-90°)	75.7	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°	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3
2.5°	2543.3	2545.9	2540.6	2538.0	2535.3	2531.3	2532.7	2539.3	2544.6	2543.3
5°	2564.5	2567.2	2563.2	2561.9	2556.5	2555.2	2555.2	2561.9	2565.8	2563.2
7.5°	2588.4	2592.4	2585.7	2584.4	2581.8	2579.1	2577.8	2584.4	2588.4	2588.4
10°	2610.9	2614.9	2609.6	2605.6	2603.0	2603.0	2600.3	2605.6	2612.3	2610.9
12.5°	2634.8	2637.5	2632.2	2629.5	2629.5	2633.5	2629.5	2632.2	2637.5	2634.8
15°	2664.0	2665.3	2664.0	2668.0	2674.6	2687.9	2675.9	2673.3	2675.9	2669.3
17.5°	2703.8	2706.5	2711.8	2721.1	2730.3	2754.2	2733.0	2726.4	2726.4	2713.1
20°	2752.9	2756.9	2764.8	2780.8	2792.7	2815.3	2794.0	2784.7	2780.8	2763.5
22.5°	2804.6	2811.3	2823.2	2844.4	2865.7	2886.9	2865.7	2849.7	2837.8	2815.3
25°	2864.3	2872.3	2890.9	2925.4	2954.6	2985.1	2959.9	2928.0	2904.1	2872.3
27.5°	2949.2	2958.5	2981.1	3023.5	3060.7	3087.2	3063.3	3022.2	2989.0	2950.6
30°	3068.6	3077.9	3104.5	3149.6	3174.8	3192.0	3176.1	3144.3	3104.5	3060.7
32.5°	3222.5	3234.5	3263.7	3306.1	3311.4	3314.1	3308.8	3292.9	3263.7	3210.6
35°	3417.6	3430.8	3464.0	3498.5	3493.2	3498.5	3490.5	3485.2	3464.0	3403.0
37.5°	3656.4	3672.3	3706.8	3733.3	3720.1	3713.4	3714.8	3716.1	3704.1	3636.5
40°	3933.7	3954.9	3980.1	4008.0	3985.4	3965.5	3978.8	3989.4	3978.8	3909.8
42.5°	4218.9	4249.4	4275.9	4315.7	4297.2	4272.0	4290.5	4302.5	4279.9	4205.6
45°	4536.0	4565.2	4599.7	4659.4	4646.1	4619.6	4646.1	4648.7	4610.3	4522.7
47.5°	4863.7	4894.2	4945.9	5025.5	5020.2	4991.0	5025.5	5007.0	4957.9	4853.1
50°	5174.1	5216.6	5296.2	5407.6	5418.2	5382.4	5428.8	5393.0	5310.8	5179.4
52.5°	5466.0	5511.1	5637.1	5788.4	5826.9	5780.4	5842.8	5780.4	5657.0	5488.5
55°	5772.5	5822.9	5972.8	6170.5	6247.4	6212.9	6271.3	6177.1	6002.0	5797.7
57.5°	6133.3	6163.8	6342.9	6577.8	6707.8	6715.7	6742.3	6583.1	6370.8	6138.6
60°	6524.7	6567.1	6762.2	7043.4	7249.1	7315.4	7287.5	7051.4	6804.6	6538.0
62.5°	7026.2	7072.6	7306.1	7643.1	7968.1	8132.7	8023.9	7681.6	7376.4	7056.7
65°	7441.4	7493.2	7915.1	8516.1	9107.8	9438.1	9164.8	8534.6	7985.4	7534.3
67.5°	7140.3	7204.0	7866.0	8969.8	10441.1	11426.8	10491.5	9105.1	8029.2	7417.6
70°	6240.8	6300.5	7072.6	8421.9	10816.6	12976.4	11042.1	8670.0	7097.8	6413.3
72.5°	4143.3	4335.6	5117.1	6735.6	9658.4	12007.9	9753.9	6599.0	4746.9	4134.0
75°	1374.5	1528.4	2061.7	3491.9	6469.0	8980.4	6158.5	3089.9	1633.2	1175.5
77.5°	346.3	399.3	550.6	999.0	2580.4	5113.1	2323.0	815.9	444.4	310.4
80°	168.5	185.7	265.3	333.0	646.1	1625.2	606.3	313.1	209.6	161.9
82.5°	92.9	94.2	149.9	188.4	240.1	420.6	249.4	183.1	120.7	98.2
85°	57.0	55.7	79.6	100.8	100.8	149.9	119.4	100.8	69.0	61.0
87.5°	22.6	22.6	29.2	31.8	27.9	38.5	30.5	33.2	26.5	25.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2531.3
2544.6
2564.5
2588.4
2610.9
2633.5
2669.3
2713.1
2763.5
2813.9
2871.0
2949.2
3060.7
3211.9
3403.0
3636.5
3909.8
4210.9
4532.0
4846.4
5176.8
5472.6
5769.8
6106.8
6495.5
7001.0
7460.0
7326.0
6321.7
4000.0
1111.8
277.3
148.6
98.2
63.7
26.5
0.0

OF REPORT)