

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: P956506

Luminaire Tested: **GALN-SB9A-927-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956506
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-SB9A-927-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26045 lumens
Efficiency: N/A
Efficacy: 101.9 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

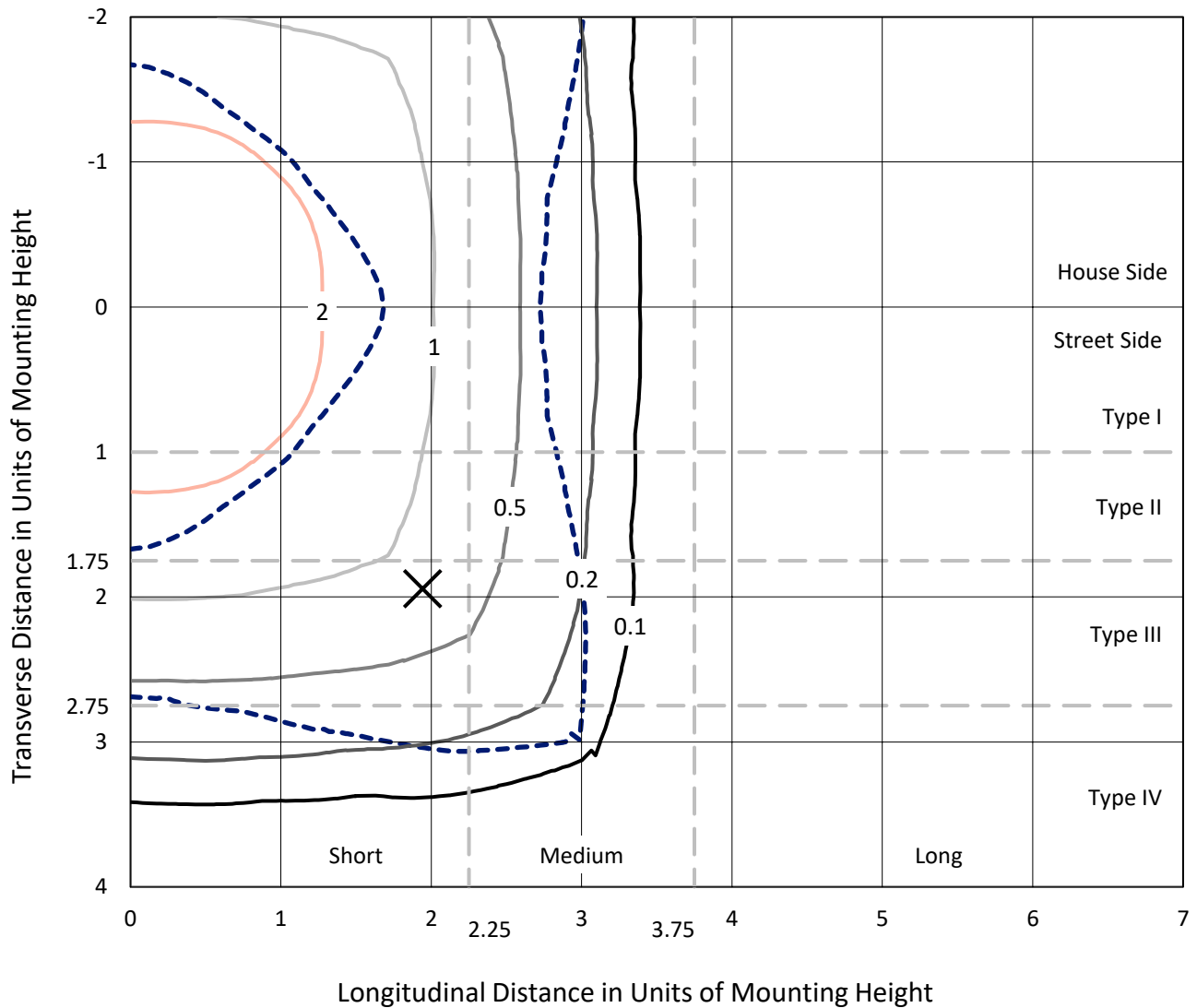
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P956506
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Iso-Footcandle Lines of Horizontal Illumination

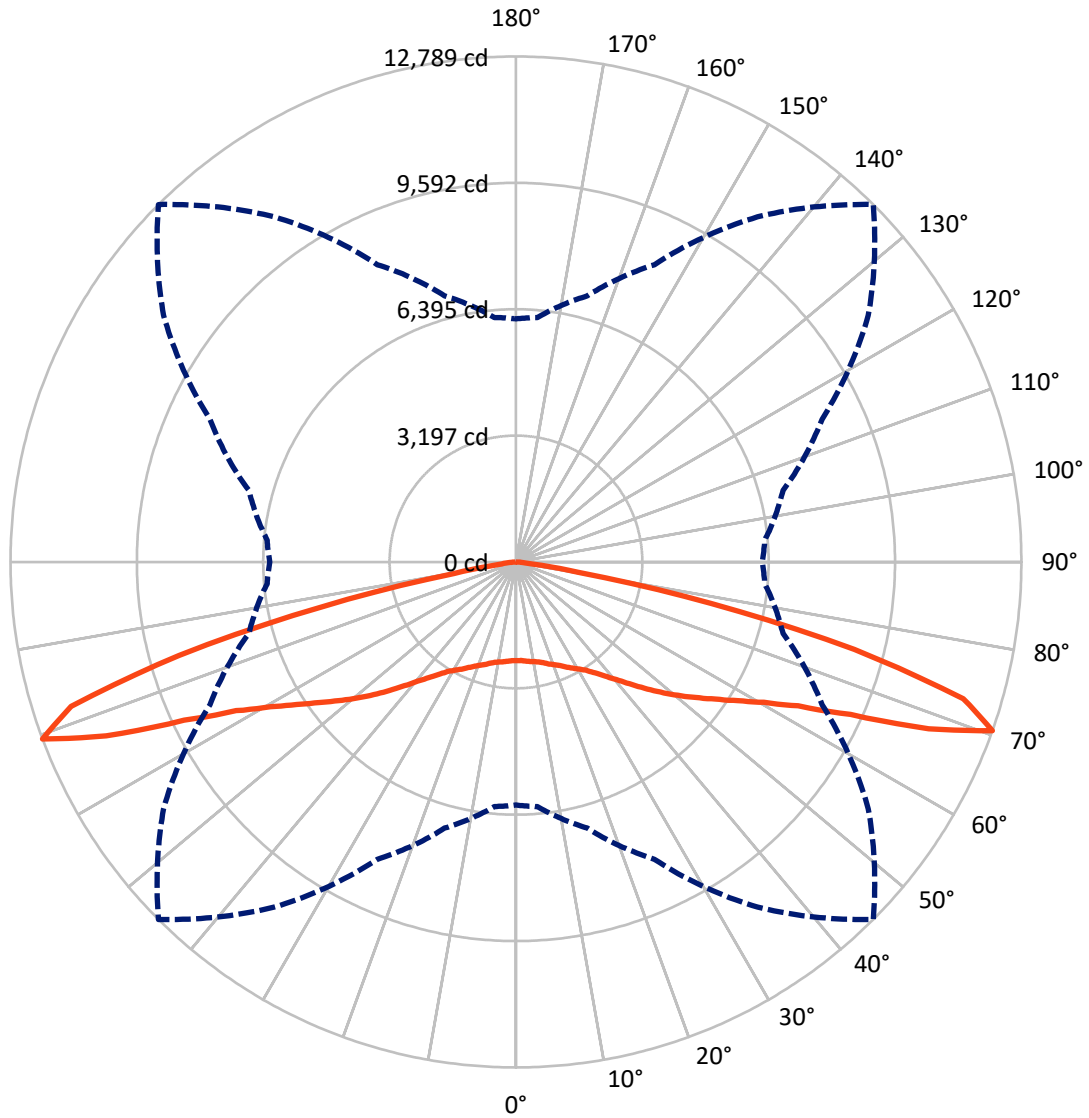
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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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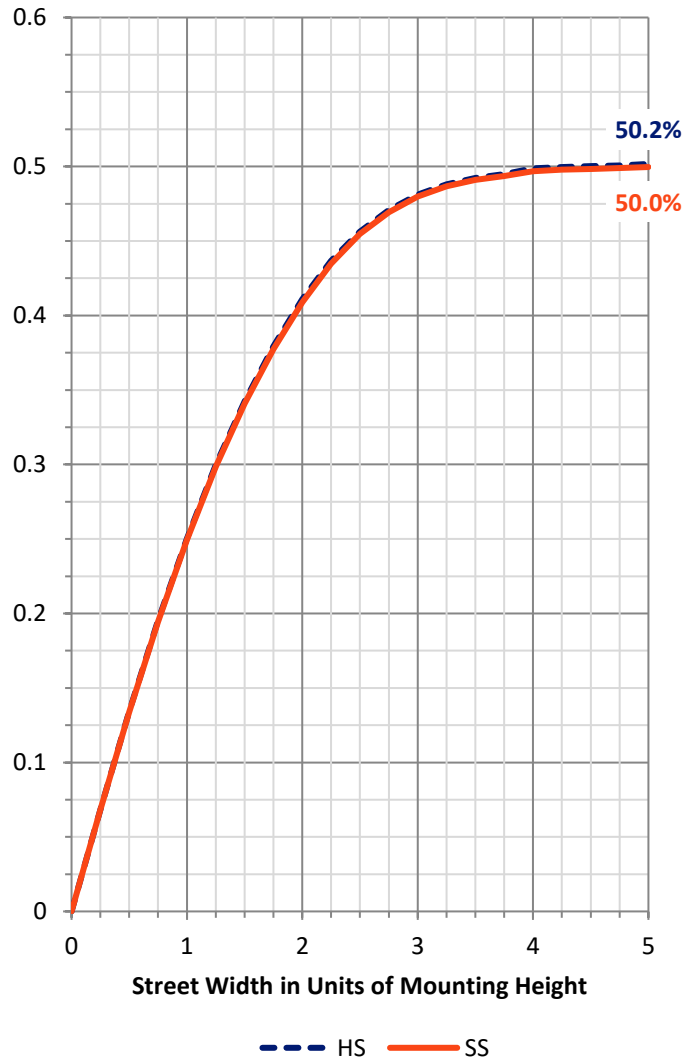
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13022.5	0.0	13022.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13022.5	0.0	13022.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26045.0	0.0	26045.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.4	0.9
10°-20°	751.6	2.9
20°-30°	1343.1	5.2
30°-40°	2177.2	8.4
40°-50°	3546.4	13.6
50°-60°	5407.0	20.8
60°-70°	8043.9	30.9
70°-80°	4384.2	16.8
80°-90°	149.3	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°	26045.0	100.0
0°-180°	26045.0	100.0

Coefficient of Utilization



REPORT NUMBER: P956506

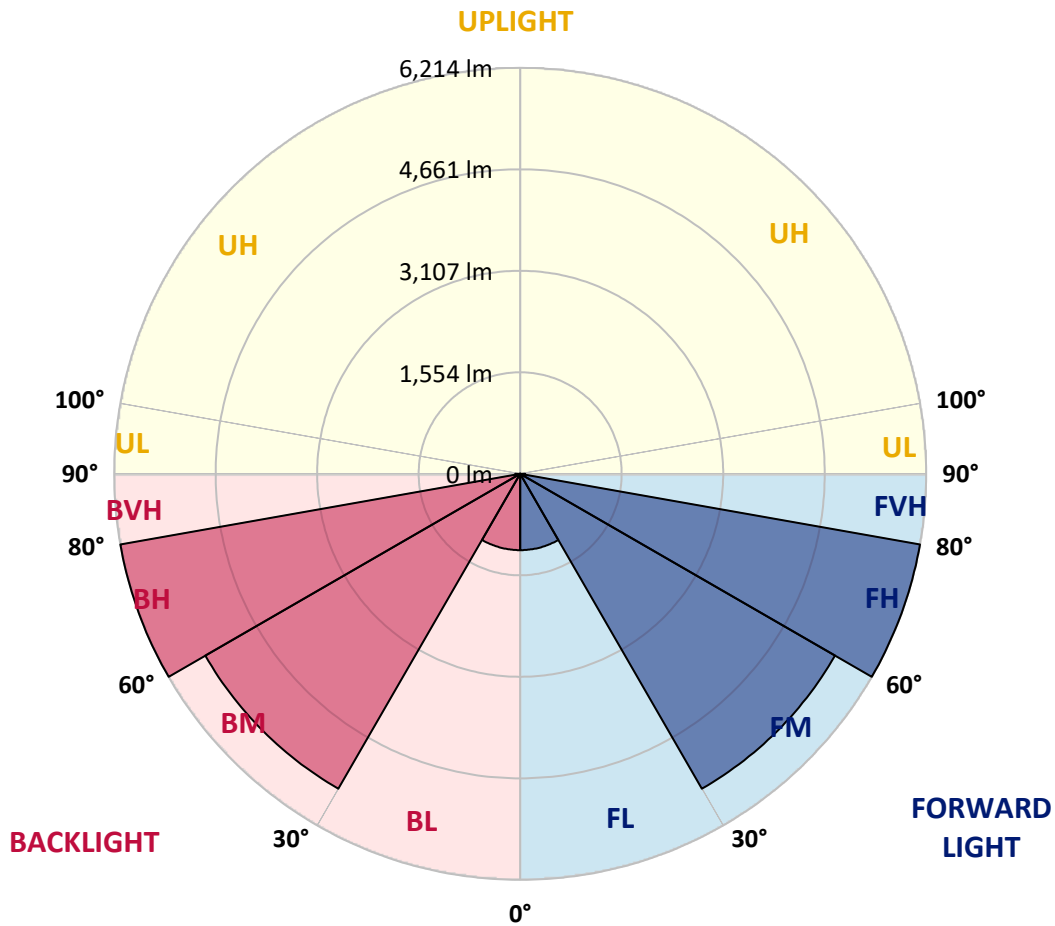
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1168.5	4.5			
FM (30°-60°)	5565.3	21.4			
FH (60°-80°)	6214.0	23.9			G3/7500
FVH (80°-90°)	74.7	0.3			G1/100
BL (0°-30°)	1168.5	4.5	B3/2500		
BM (30°-60°)	5565.3	21.4	B4/8500		
BH (60°-80°)	6214.0	23.9	B5		G3/7500
BVH (80°-90°)	74.7	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°	2494.8	2494.8	2494.8	2494.8	2494.8	2494.8	2494.8	2494.8	2494.8	2494.8
2.5°	2506.6	2509.2	2504.0	2501.4	2498.8	2494.8	2496.1	2502.7	2507.9	2506.6
5°	2527.5	2530.1	2526.2	2524.9	2519.7	2518.4	2518.4	2524.9	2528.8	2526.2
7.5°	2551.1	2555.0	2548.5	2547.1	2544.5	2541.9	2540.6	2547.1	2551.1	2551.1
10°	2573.3	2577.2	2572.0	2568.1	2565.5	2565.5	2562.8	2568.1	2574.6	2573.3
12.5°	2596.8	2599.4	2594.2	2591.6	2591.6	2595.5	2591.6	2594.2	2599.4	2596.8
15°	2625.6	2626.9	2625.6	2629.5	2636.1	2649.1	2637.4	2634.8	2637.4	2630.8
17.5°	2664.8	2667.4	2672.7	2681.8	2691.0	2714.5	2693.6	2687.1	2687.1	2674.0
20°	2713.2	2717.1	2725.0	2740.7	2752.4	2774.7	2753.7	2744.6	2740.7	2723.7
22.5°	2764.2	2770.7	2782.5	2803.4	2824.3	2845.3	2824.3	2808.7	2796.9	2774.7
25°	2823.0	2830.9	2849.2	2883.2	2912.0	2942.0	2917.2	2885.8	2862.3	2830.9
27.5°	2906.7	2915.9	2938.1	2979.9	3016.6	3042.7	3019.2	2978.6	2946.0	2908.0
30°	3024.4	3033.6	3059.7	3104.2	3129.0	3146.0	3130.3	3098.9	3059.7	3016.6
32.5°	3176.1	3187.9	3216.6	3258.5	3263.7	3266.3	3261.1	3245.4	3216.6	3164.3
35°	3368.3	3381.4	3414.1	3448.1	3442.8	3448.1	3440.2	3435.0	3414.1	3353.9
37.5°	3603.7	3619.4	3653.3	3679.5	3666.4	3659.9	3661.2	3662.5	3650.7	3584.0
40°	3876.9	3897.9	3922.7	3950.2	3927.9	3908.3	3921.4	3931.9	3921.4	3853.4
42.5°	4158.1	4188.1	4214.3	4253.5	4235.2	4210.4	4228.7	4240.4	4218.2	4145.0
45°	4470.6	4499.3	4533.3	4592.2	4579.1	4553.0	4579.1	4581.7	4543.8	4457.5
47.5°	4793.5	4823.6	4874.6	4953.1	4947.8	4919.1	4953.1	4934.8	4886.4	4783.1
50°	5099.5	5141.4	5219.8	5329.7	5340.1	5304.8	5350.6	5315.3	5234.2	5104.7
52.5°	5387.2	5431.6	5555.9	5704.9	5742.8	5697.1	5758.5	5697.1	5575.5	5409.4
55°	5689.2	5738.9	5886.7	6081.5	6157.3	6123.3	6180.9	6088.0	5915.4	5714.1
57.5°	6044.9	6075.0	6251.5	6482.9	6611.1	6618.9	6645.1	6488.2	6278.9	6050.1
60°	6430.6	6472.5	6664.7	6941.9	7144.6	7209.9	7182.5	6949.7	6706.5	6443.7
62.5°	6924.9	6970.6	7200.8	7532.9	7853.3	8015.4	7908.2	7570.8	7270.1	6955.0
65°	7334.2	7385.1	7801.0	8393.3	8976.5	9302.0	9032.7	8411.6	7870.3	7425.7
67.5°	7037.3	7100.1	7752.6	8840.5	10290.6	11262.1	10340.3	8973.8	7913.4	7310.6
70°	6150.8	6209.6	6970.6	8300.4	10660.6	12789.3	10882.9	8545.0	6995.5	6320.8
72.5°	4083.5	4273.1	5043.3	6638.5	9519.1	11834.8	9613.2	6503.8	4678.5	4074.4
75°	1354.6	1506.3	2032.0	3441.5	6375.7	8850.9	6069.7	3045.3	1609.6	1158.5
77.5°	341.3	393.6	542.6	984.6	2543.2	5039.4	2289.6	804.2	438.0	306.0
80°	166.1	183.1	261.5	328.2	636.8	1601.8	597.6	308.6	206.6	159.5
82.5°	91.5	92.8	147.8	185.7	236.7	414.5	245.8	180.4	119.0	96.8
85°	56.2	54.9	78.5	99.4	99.4	147.8	117.7	99.4	68.0	60.1
87.5°	22.2	22.2	28.8	31.4	27.5	37.9	30.1	32.7	26.2	24.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2494.8
2507.9
2527.5
2551.1
2573.3
2595.5
2630.8
2674.0
2723.7
2773.4
2829.6
2906.7
3016.6
3165.6
3353.9
3584.0
3853.4
4150.2
4466.7
4776.5
5102.1
5393.7
5686.6
6018.7
6401.9
6900.0
7352.5
7220.4
6230.6
3942.3
1095.7
273.3
146.4
96.8
62.8
26.2
0.0

OF REPORT)