

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: P956510

Luminaire Tested: **GALN-SB9A-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956510
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
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-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25610 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

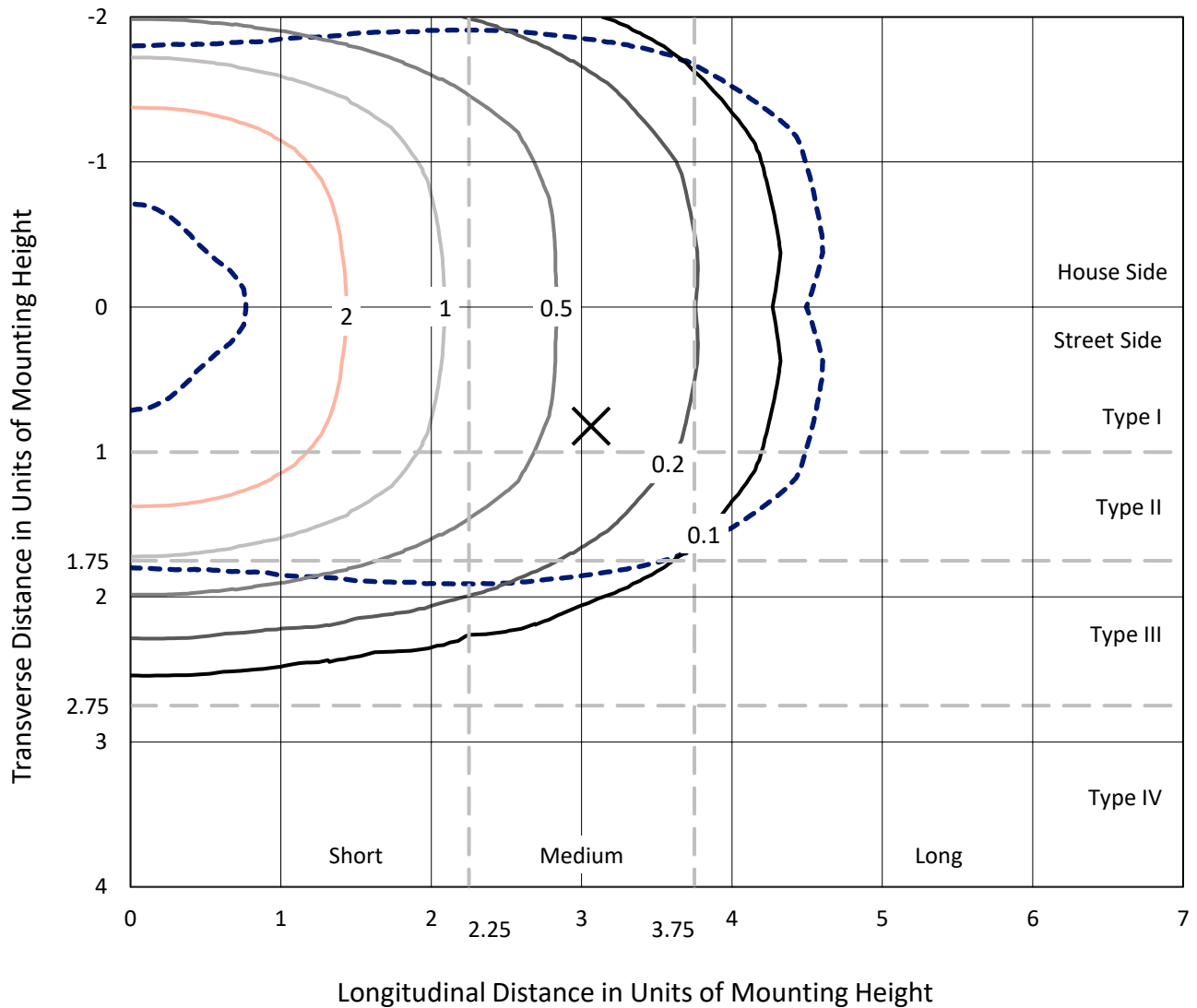
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

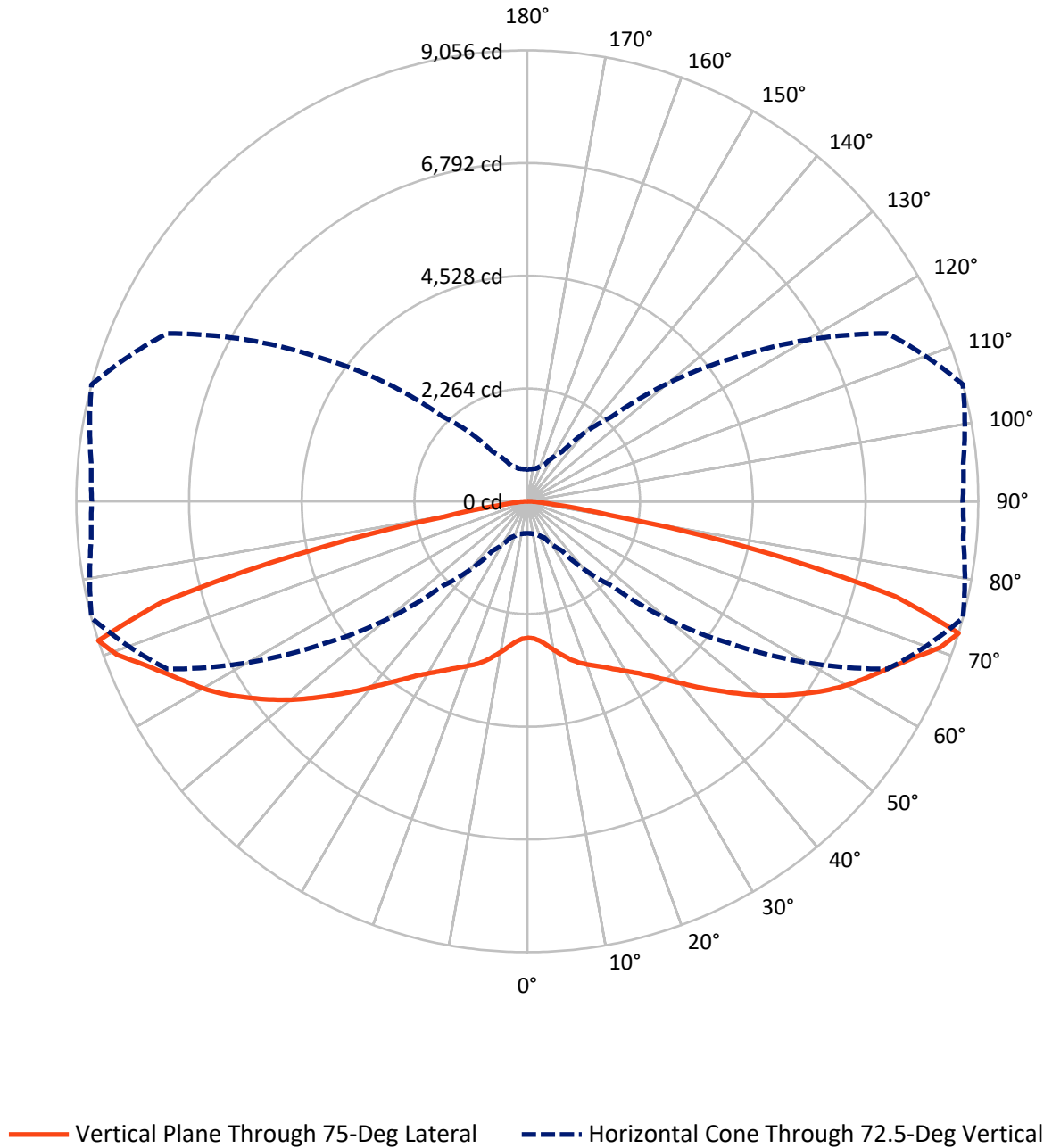
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12805.0	0.0	12805.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12805.0	0.0	12805.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25610.0	0.0	25610.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.7	1.0
10°-20°	886.3	3.5
20°-30°	1712.6	6.7
30°-40°	2891.9	11.3
40°-50°	4586.2	17.9
50°-60°	6140.4	24.0
60°-70°	5843.7	22.8
70°-80°	3049.3	11.9
80°-90°	230.8	0.9
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°	25610.0	100.0
0°-180°	25610.0	100.0

Coefficient of Utilization



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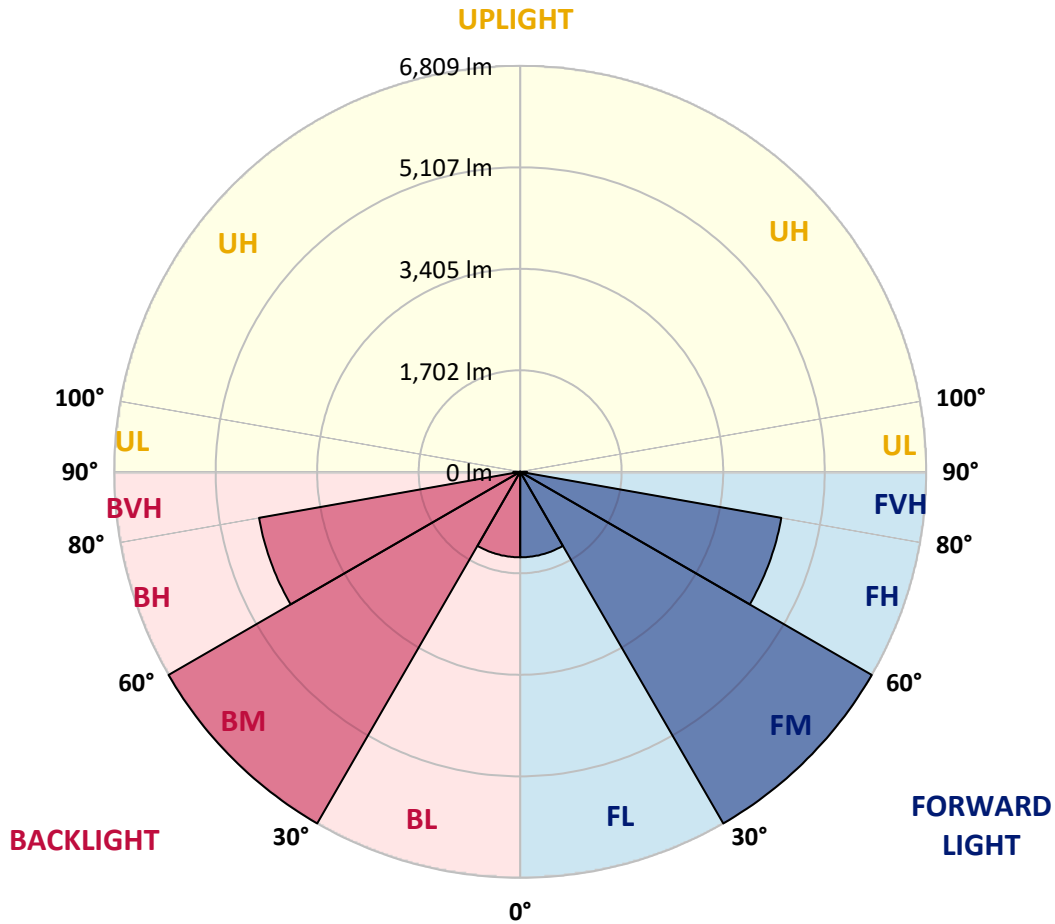
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1433.8	5.6			
FM (30°-60°)	6809.2	26.6			
FH (60°-80°)	4446.5	17.4			G2/5000
FVH (80°-90°)	115.4	0.5			G2/225
BL (0°-30°)	1433.8	5.6	B3/2500		
BM (30°-60°)	6809.2	26.6	B4/8500		
BH (60°-80°)	4446.5	17.4	B4/5000		G4/5000
BVH (80°-90°)	115.4	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2743.3	2743.3	2743.3	2743.3	2743.3	2743.3	2743.3	2743.3	2743.3	2743.3
2.5°	2743.3	2740.7	2743.3	2745.9	2744.6	2744.6	2751.1	2755.1	2762.9	2761.6
5°	2725.0	2723.7	2734.1	2745.9	2755.1	2770.7	2790.4	2804.7	2823.1	2827.0
7.5°	2715.8	2711.9	2730.2	2751.1	2779.9	2819.1	2857.0	2896.3	2927.7	2938.1
10°	2722.4	2723.7	2748.5	2787.7	2833.5	2888.4	2942.0	3008.7	3053.2	3063.6
12.5°	2752.4	2749.8	2791.7	2854.4	2917.2	2986.5	3049.3	3122.5	3170.9	3195.7
15°	2807.4	2802.1	2861.0	2953.8	3045.3	3126.4	3177.4	3246.7	3302.9	3334.3
17.5°	2872.7	2875.4	2952.5	3072.8	3193.1	3284.6	3333.0	3368.3	3411.5	3438.9
20°	2987.8	2993.0	3079.3	3221.9	3359.2	3463.8	3503.0	3489.9	3501.7	3522.6
22.5°	3142.1	3144.7	3241.5	3395.8	3539.6	3654.7	3680.8	3627.2	3594.5	3608.9
25°	3321.2	3338.2	3435.0	3593.2	3741.0	3850.8	3862.6	3781.5	3700.4	3704.4
27.5°	3539.6	3555.3	3653.4	3810.3	3960.6	4056.1	4054.8	3946.3	3827.3	3797.2
30°	3776.3	3793.3	3894.0	4056.1	4196.0	4279.7	4261.4	4131.9	3961.9	3905.7
32.5°	4057.4	4067.9	4169.9	4332.0	4461.4	4528.1	4490.2	4330.7	4118.9	4054.8
35°	4397.4	4413.1	4488.9	4641.9	4755.6	4810.6	4746.5	4558.2	4320.2	4248.3
37.5°	4785.7	4775.3	4861.6	4997.5	5091.7	5125.7	5038.1	4814.5	4550.4	4465.4
40°	5191.1	5185.8	5280.0	5410.7	5461.7	5482.7	5353.2	5108.7	4815.8	4724.3
42.5°	5558.5	5554.6	5681.4	5826.5	5888.0	5864.5	5701.0	5421.2	5123.1	5018.5
45°	5852.7	5847.5	6003.1	6207.1	6327.3	6288.1	6068.4	5766.4	5434.3	5325.7
47.5°	6078.9	6081.5	6248.9	6501.3	6711.8	6726.2	6443.7	6118.1	5776.9	5653.9
50°	6242.4	6250.2	6429.3	6709.2	6996.8	7123.7	6826.8	6479.0	6131.2	5992.6
52.5°	6282.9	6297.3	6513.0	6841.2	7179.9	7421.8	7216.5	6825.5	6467.3	6335.2
55°	6067.1	6095.9	6369.2	6830.8	7292.3	7617.9	7559.1	7177.3	6805.9	6669.9
57.5°	5571.6	5612.1	5931.2	6533.9	7267.5	7752.6	7824.5	7514.6	7144.6	7013.8
60°	4877.2	4925.6	5231.6	5889.3	6917.1	7802.3	8011.5	7842.8	7455.8	7329.0
62.5°	3829.9	3892.6	4258.8	5030.2	6177.0	7570.9	8171.0	8139.6	7735.6	7577.4
65°	2456.9	2523.6	2909.4	3820.7	5189.8	6862.1	8220.7	8428.6	8031.1	7810.1
67.5°	1481.5	1511.6	1702.5	2315.7	3793.3	5793.9	7799.7	8749.0	8376.3	8101.7
70°	948.0	965.0	1078.7	1359.9	2144.4	4227.4	6756.2	8809.1	8794.7	8401.2
72.5°	643.3	648.6	678.6	805.5	1213.4	2402.0	4983.2	7974.9	9056.3	8786.9
75°	470.7	499.5	547.9	570.1	689.1	1200.4	2855.7	5603.0	7632.3	7750.0
77.5°	350.4	351.7	418.4	444.6	491.6	639.4	1208.2	3127.7	4738.6	4975.3
80°	296.8	281.1	279.8	358.3	370.0	398.8	540.0	1080.1	1697.2	1029.1
82.5°	247.1	230.1	207.9	279.8	252.4	244.5	234.1	439.3	540.0	265.4
85°	172.6	164.8	156.9	183.1	143.8	122.9	112.5	205.3	227.5	112.5
87.5°	74.5	77.1	78.5	81.1	60.1	43.1	43.1	57.5	57.5	44.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2743.3
2760.3
2827.0
2940.7
3074.1
3206.2
3346.1
3452.0
3538.3
3619.4
3710.9
3806.3
3912.3
4070.5
4258.8
4481.1
4754.3
5044.6
5350.6
5690.6
6034.5
6369.2
6707.9
7043.9
7356.4
7595.7
7837.6
8122.6
8398.5
8745.1
7464.9
4437.9
778.0
226.2
99.4
32.7
0.0

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