

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: P953651

Luminaire Tested: **GALN-SB7A-927-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953651
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7A-927-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20348 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

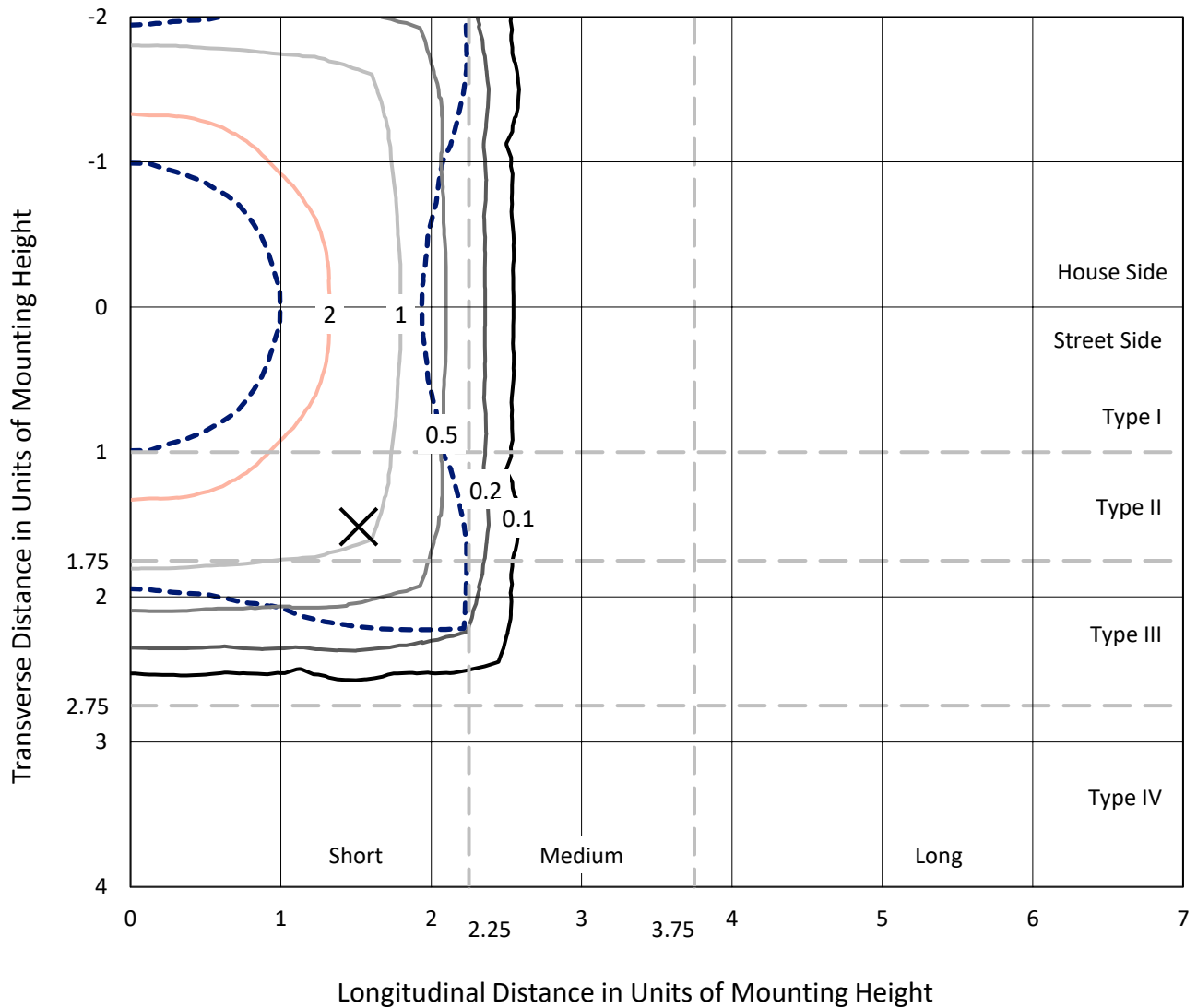
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

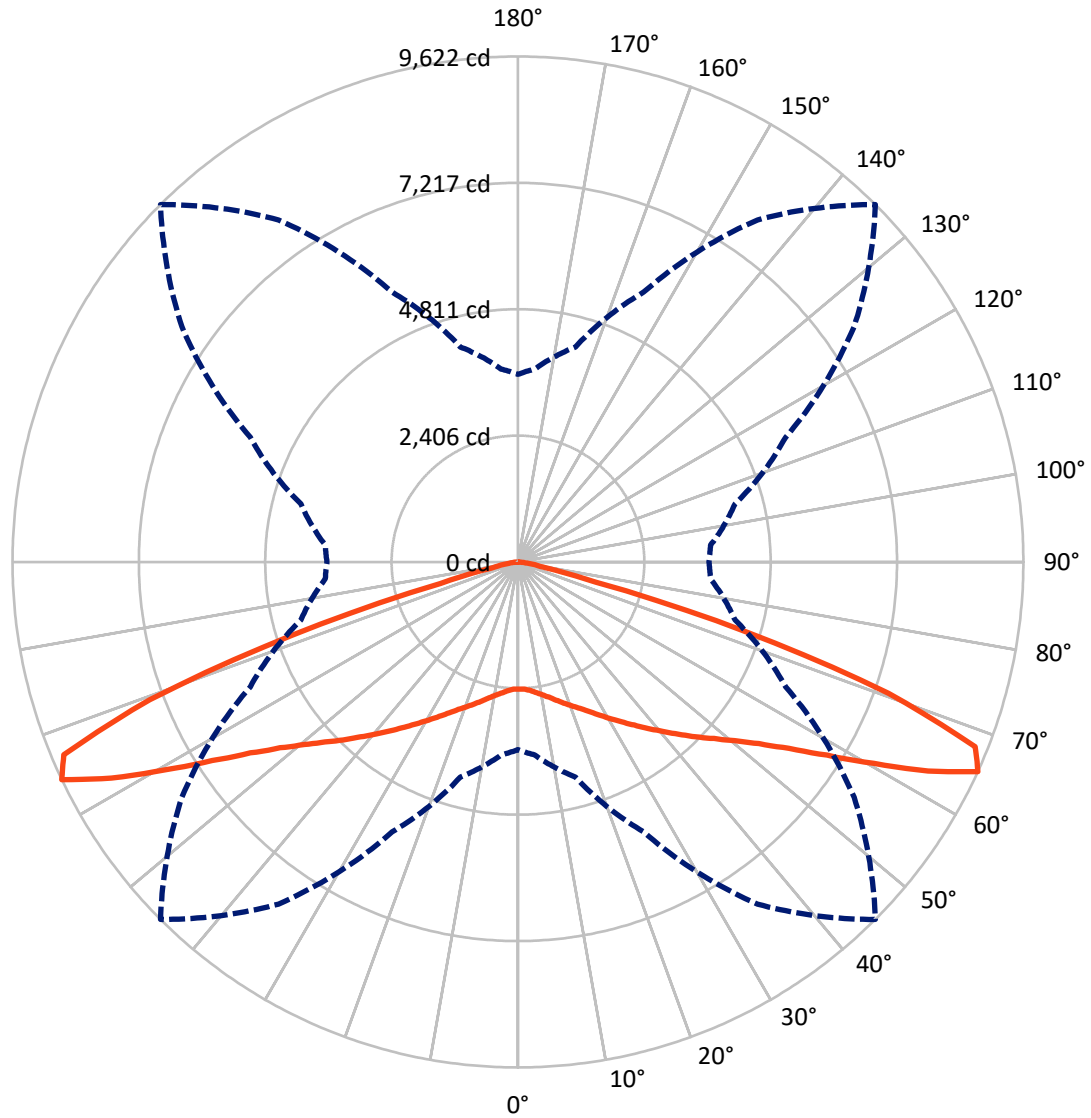
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10174.0	0.0	10174.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10174.0	0.0	10174.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20348.0	0.0	20348.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.0	1.2
10°-20°	779.8	3.8
20°-30°	1472.4	7.2
30°-40°	2411.0	11.8
40°-50°	3738.4	18.4
50°-60°	5522.3	27.1
60°-70°	5256.8	25.8
70°-80°	848.3	4.2
80°-90°	80.0	0.4
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°	20348.0	100.0
0°-180°	20348.0	100.0

Coefficient of Utilization



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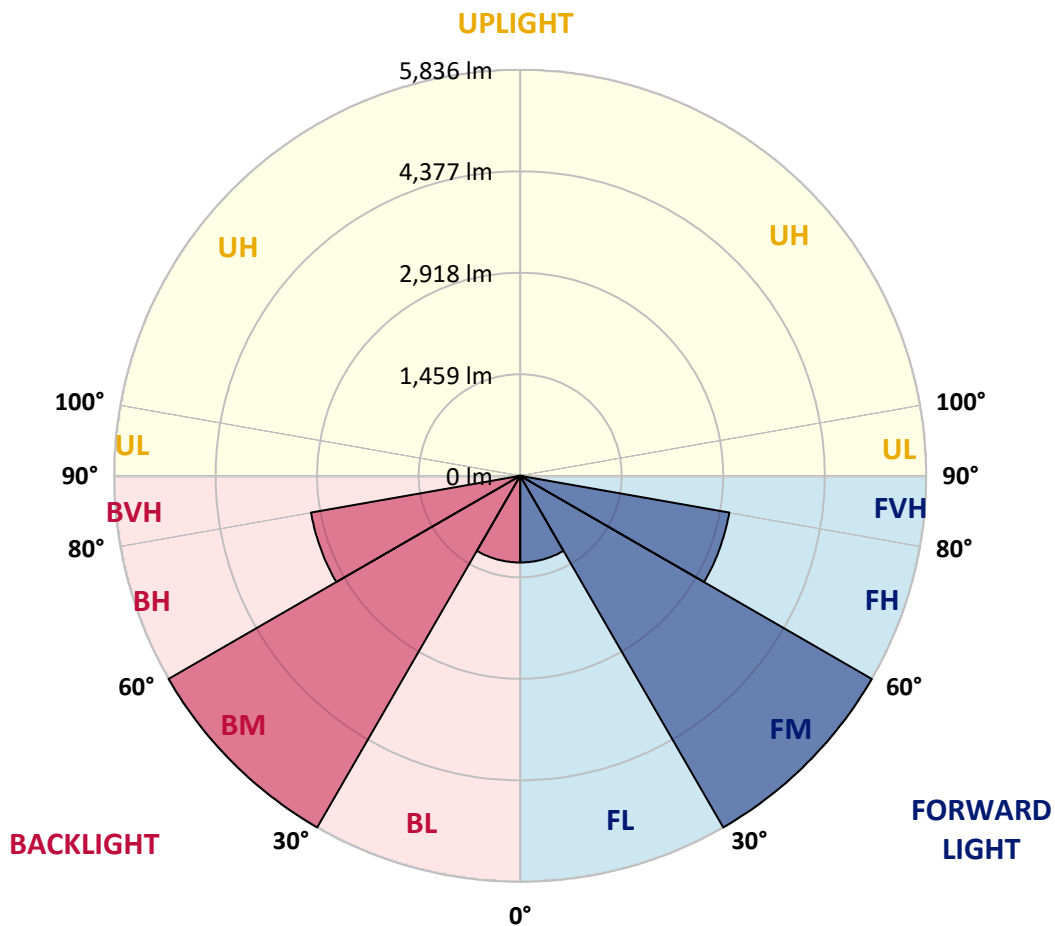
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1245.6	6.1			
FM (30°-60°)	5835.9	28.7			
FH (60°-80°)	3052.5	15.0			G2/5000
FVH (80°-90°)	40.0	0.2			G1/100
BL (0°-30°)	1245.6	6.1	B3/2500		
BM (30°-60°)	5835.9	28.7	B4/8500		
BH (60°-80°)	3052.5	15.0	B4/5000		G2/5000
BVH (80°-90°)	40.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2421.6	2421.6	2421.6	2421.6	2421.6	2421.6	2421.6	2421.6	2421.6	2421.6
2.5°	2438.0	2429.8	2435.9	2430.8	2426.7	2422.6	2424.7	2431.8	2434.9	2435.9
5°	2470.6	2463.5	2466.5	2466.5	2459.4	2457.3	2458.4	2463.5	2469.6	2469.6
7.5°	2523.7	2516.6	2523.7	2519.6	2513.5	2511.5	2510.4	2514.5	2523.7	2523.7
10°	2588.0	2579.9	2583.9	2581.9	2574.8	2571.7	2570.7	2576.8	2585.0	2583.9
12.5°	2658.5	2649.3	2654.4	2648.3	2646.2	2643.2	2643.2	2642.1	2647.2	2643.2
15°	2737.1	2731.0	2733.0	2728.9	2732.0	2729.9	2721.8	2717.7	2719.7	2713.6
17.5°	2830.0	2815.7	2822.8	2820.8	2820.8	2824.9	2811.6	2806.5	2810.6	2804.5
20°	2937.2	2922.9	2925.9	2921.9	2916.8	2920.8	2904.5	2908.6	2911.7	2907.6
22.5°	3054.6	3036.2	3035.2	3037.2	3026.0	3027.0	3015.8	3026.0	3032.1	3020.9
25°	3175.1	3155.7	3168.9	3163.8	3149.5	3152.6	3144.4	3154.6	3159.7	3145.4
27.5°	3302.7	3289.4	3301.6	3304.7	3287.4	3299.6	3287.4	3296.5	3301.6	3280.2
30°	3451.7	3438.4	3449.7	3457.8	3437.4	3456.8	3446.6	3452.7	3453.8	3428.2
32.5°	3614.0	3593.6	3622.2	3626.3	3603.8	3627.3	3614.0	3622.2	3627.3	3592.6
35°	3812.1	3786.6	3819.3	3814.1	3794.7	3814.1	3801.9	3814.1	3826.4	3784.5
37.5°	4025.5	3998.9	4033.6	4024.5	4006.1	4019.4	4012.2	4020.4	4039.8	3994.8
40°	4260.3	4227.6	4274.6	4258.2	4240.9	4238.8	4242.9	4248.0	4273.6	4223.5
42.5°	4511.4	4476.7	4547.2	4521.6	4497.1	4480.8	4494.1	4504.3	4528.8	4472.6
45°	4798.3	4758.5	4850.4	4819.7	4781.0	4747.3	4768.7	4784.0	4819.7	4752.4
47.5°	5114.8	5069.9	5167.9	5158.7	5095.4	5021.9	5070.9	5114.8	5141.3	5059.7
50°	5424.1	5389.4	5518.1	5529.3	5451.7	5348.6	5417.0	5483.3	5490.5	5383.3
52.5°	5714.1	5679.4	5866.2	5936.6	5867.2	5744.7	5817.2	5884.6	5830.5	5691.6
55°	5945.8	5917.2	6155.1	6336.8	6360.3	6259.2	6302.1	6300.1	6122.4	5909.1
57.5°	6002.0	5997.9	6298.0	6682.9	6927.9	6940.2	6855.5	6639.0	6256.2	5969.3
60°	5746.7	5772.3	6184.7	6863.6	7517.0	7788.6	7422.1	6804.4	6104.1	5705.9
62.5°	4983.1	5050.5	5547.7	6643.1	7992.8	8764.6	7876.4	6553.3	5479.3	4959.6
65°	3571.2	3688.6	4237.8	5669.2	7949.9	9622.1	7811.0	5623.2	4278.7	3679.4
67.5°	1620.2	1739.6	2206.2	3881.5	6910.6	9389.4	6894.3	3922.4	2316.5	1745.8
70°	587.0	607.4	757.5	1553.8	4416.5	7481.3	4605.4	1565.1	805.5	647.3
72.5°	355.3	358.3	390.0	556.4	1534.4	4542.1	1599.8	574.8	398.2	353.2
75°	225.6	223.6	277.7	340.0	544.1	1532.4	570.7	340.0	276.7	252.2
77.5°	162.3	167.4	199.1	254.2	343.0	519.6	336.9	243.0	199.1	163.3
80°	121.5	124.6	145.0	198.1	240.9	323.6	214.4	179.7	150.1	102.1
82.5°	87.8	87.8	94.9	143.9	147.0	174.6	116.4	126.6	99.0	72.5
85°	52.1	51.0	59.2	85.8	76.6	64.3	53.1	77.6	62.3	44.9
87.5°	18.4	19.4	18.4	24.5	20.4	17.4	16.3	21.4	17.4	15.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2421.6
2435.9
2469.6
2520.6
2581.9
2645.2
2714.6
2809.6
2916.8
3032.1
3161.8
3296.5
3443.6
3616.1
3810.1
4022.4
4239.9
4502.2
4787.1
5087.2
5396.6
5695.7
5916.2
5950.9
5658.9
4929.0
3635.5
1720.2
639.1
359.4
254.2
166.4
105.2
72.5
43.9
14.3
0.0

OF REPORT)