

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: P952118

Luminaire Tested: **GALN-SB6A-827-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952118  
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-SB6A-827-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

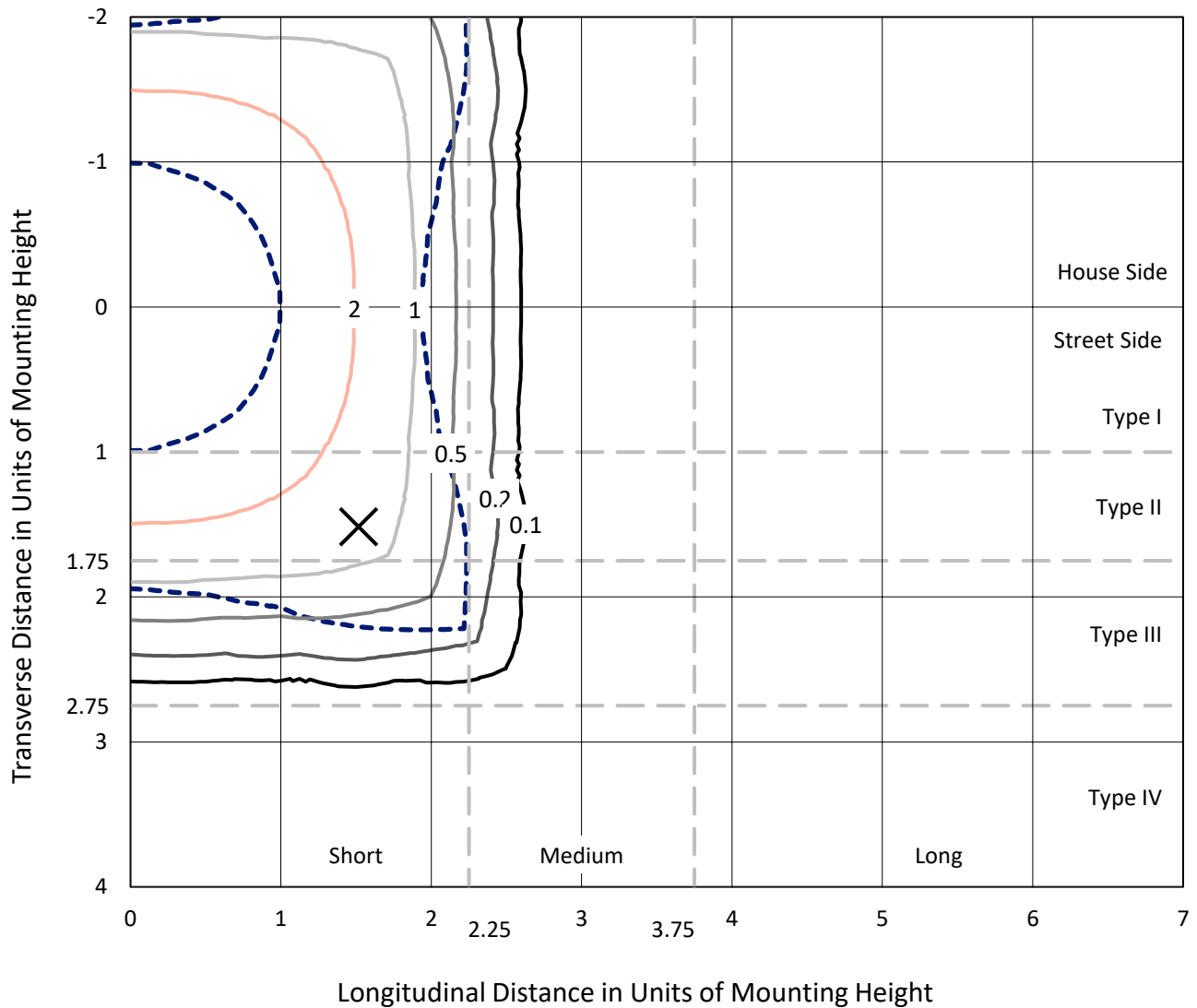
Lumens per Lamp: N/A  
Luminaire Lumens: 24787 lumens  
Efficiency: N/A  
Efficacy: 145.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

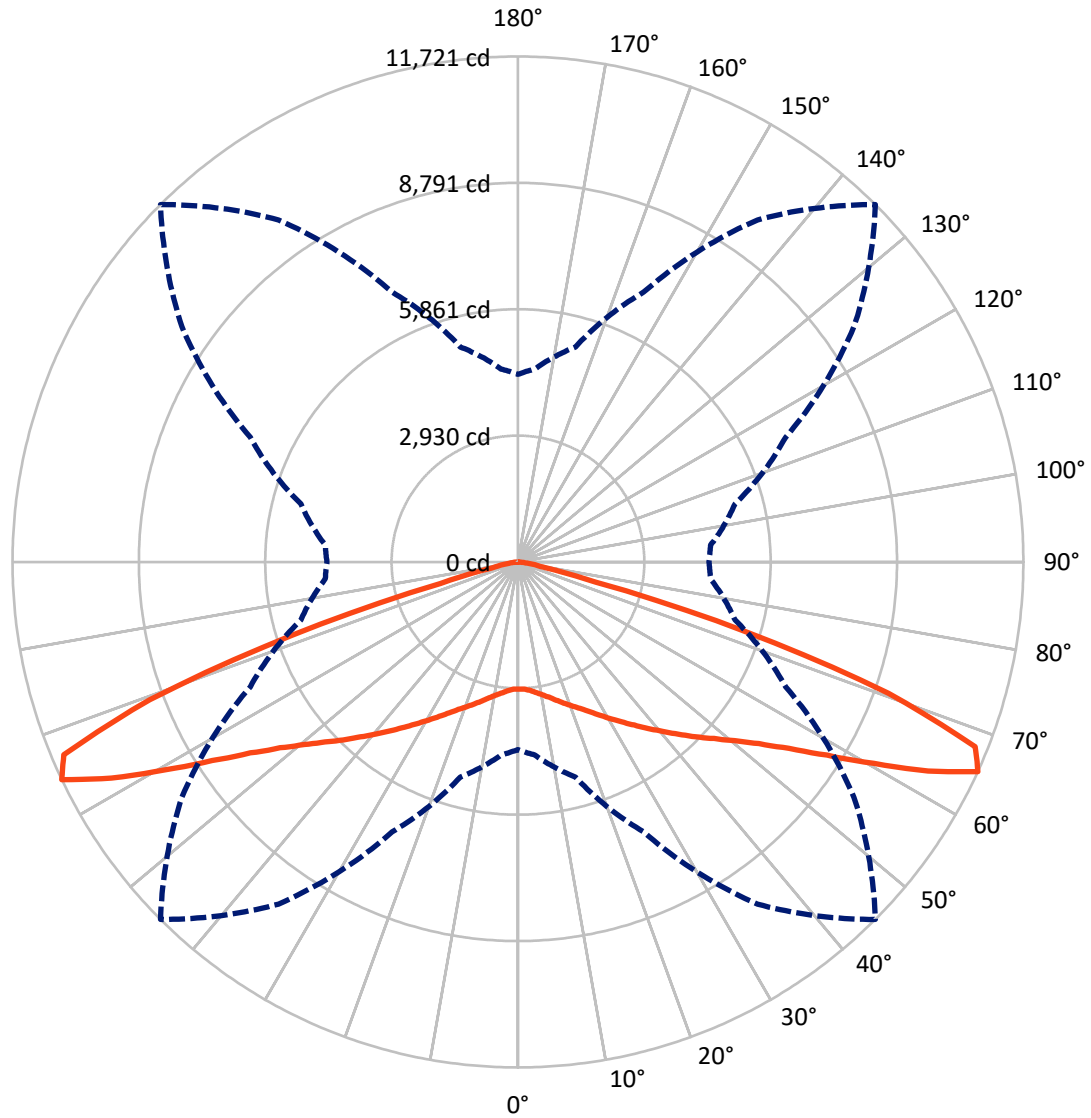
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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
<b>House Side</b>	Lumens	12393.5	0.0	12393.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12393.5	0.0	12393.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24787.0	0.0	24787.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	291.1	1.2
10°-20°	950.0	3.8
20°-30°	1793.6	7.2
30°-40°	2937.0	11.8
40°-50°	4553.9	18.4
50°-60°	6727.1	27.1
60°-70°	6403.5	25.8
70°-80°	1033.3	4.2
80°-90°	97.4	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°	24787.0	100.0
0°-180°	24787.0	100.0



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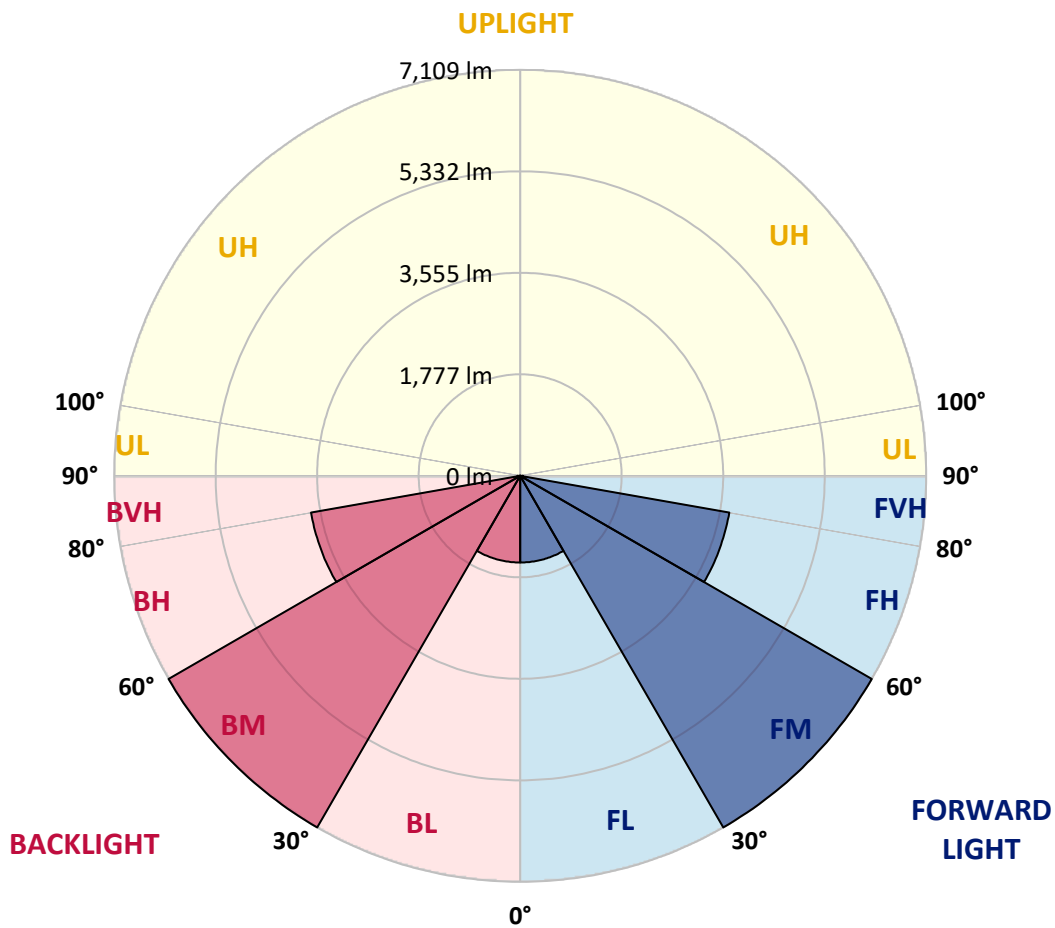
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1517.4	6.1			
FM (30°-60°)	7109.0	28.7			
FH (60°-80°)	3718.4	15.0			G2/5000
FVH (80°-90°)	48.7	0.2			G1/100
BL (0°-30°)	1517.4	6.1	B3/2500		
BM (30°-60°)	7109.0	28.7	B4/8500		
BH (60°-80°)	3718.4	15.0	B4/5000		G2/5000
BVH (80°-90°)	48.7	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°	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9
2.5°	2969.8	2959.8	2967.3	2961.1	2956.1	2951.1	2953.6	2962.3	2966.1	2967.3
5°	3009.6	3000.9	3004.6	3004.6	2995.9	2993.4	2994.7	3000.9	3008.4	3008.4
7.5°	3074.3	3065.6	3074.3	3069.3	3061.8	3059.3	3058.1	3063.1	3074.3	3074.3
10°	3152.6	3142.7	3147.6	3145.2	3136.4	3132.7	3131.5	3138.9	3148.9	3147.6
12.5°	3238.4	3227.2	3233.4	3226.0	3223.5	3219.8	3219.8	3218.5	3224.7	3219.8
15°	3334.2	3326.7	3329.2	3324.2	3328.0	3325.5	3315.5	3310.6	3313.0	3305.6
17.5°	3447.4	3429.9	3438.6	3436.2	3436.2	3441.1	3425.0	3418.8	3423.7	3416.3
20°	3577.9	3560.5	3564.3	3559.3	3553.1	3558.0	3538.1	3543.1	3546.8	3541.9
22.5°	3721.0	3698.6	3697.3	3699.8	3686.1	3687.4	3673.7	3686.1	3693.6	3679.9
25°	3867.7	3844.1	3860.2	3854.0	3836.6	3840.3	3830.4	3842.8	3849.0	3831.6
27.5°	4023.2	4007.0	4021.9	4025.6	4004.5	4019.4	4004.5	4015.7	4021.9	3995.8
30°	4204.7	4188.6	4202.2	4212.2	4187.3	4210.9	4198.5	4206.0	4207.2	4176.1
32.5°	4402.5	4377.6	4412.4	4417.4	4390.0	4418.6	4402.5	4412.4	4418.6	4376.3
35°	4643.7	4612.6	4652.4	4646.2	4622.6	4646.2	4631.3	4646.2	4661.1	4610.2
37.5°	4903.7	4871.3	4913.6	4902.4	4880.0	4896.2	4887.5	4897.4	4921.1	4866.3
40°	5189.7	5149.9	5207.1	5187.2	5166.1	5163.6	5168.5	5174.8	5205.9	5144.9
42.5°	5495.6	5453.3	5539.1	5508.1	5478.2	5458.3	5474.5	5486.9	5516.8	5448.4
45°	5845.1	5796.6	5908.5	5871.2	5823.9	5782.9	5809.0	5827.7	5871.2	5789.1
47.5°	6230.6	6175.9	6295.3	6284.1	6207.0	6117.4	6177.1	6230.6	6262.9	6163.5
50°	6607.4	6565.1	6721.8	6735.5	6641.0	6515.4	6598.7	6679.6	6688.3	6557.7
52.5°	6960.6	6918.3	7145.9	7231.7	7147.2	6997.9	7086.2	7168.3	7102.4	6933.3
55°	7242.9	7208.1	7497.9	7719.2	7747.8	7624.7	7677.0	7674.5	7458.1	7198.2
57.5°	7311.3	7306.4	7672.0	8140.8	8439.3	8454.2	8351.0	8087.4	7621.0	7271.5
60°	7000.4	7031.5	7533.9	8361.0	9156.9	9487.7	9041.2	8288.8	7435.7	6950.7
62.5°	6070.2	6152.3	6757.9	8092.3	9736.4	10676.6	9594.6	7982.9	6674.6	6041.6
65°	4350.2	4493.3	5162.3	6905.9	9684.2	11721.3	9515.0	6849.9	5212.1	4482.1
67.5°	1973.6	2119.2	2687.5	4728.3	8418.2	11437.7	8398.3	4778.0	2821.8	2126.6
70°	715.1	740.0	922.8	1892.8	5380.0	9113.4	5610.0	1906.5	981.2	788.5
72.5°	432.8	436.5	475.1	677.8	1869.2	5532.9	1948.8	700.2	485.0	430.3
75°	274.8	272.4	338.3	414.1	662.9	1866.7	695.2	414.1	337.0	307.2
77.5°	197.7	204.0	242.5	309.7	417.9	633.0	410.4	296.0	242.5	199.0
80°	148.0	151.7	176.6	241.3	293.5	394.2	261.2	218.9	182.8	124.4
82.5°	107.0	107.0	115.7	175.4	179.1	212.7	141.8	154.2	120.6	88.3
85°	63.4	62.2	72.1	104.5	93.3	78.3	64.7	94.5	75.9	54.7
87.5°	22.4	23.6	22.4	29.8	24.9	21.1	19.9	26.1	21.1	18.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2949.9
2967.3
3008.4
3070.5
3145.2
3222.3
3306.8
3422.5
3553.1
3693.6
3851.5
4015.7
4194.8
4405.0
4641.2
4899.9
5164.8
5484.4
5831.4
6197.0
6573.9
6938.2
7206.9
7249.1
6893.5
6004.3
4428.6
2095.5
778.5
437.8
309.7
202.7
128.1
88.3
53.5
17.4
0.0

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