

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: P954008

Luminaire Tested: **GALN-SB7B-927-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954008  
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-SB7B-927-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

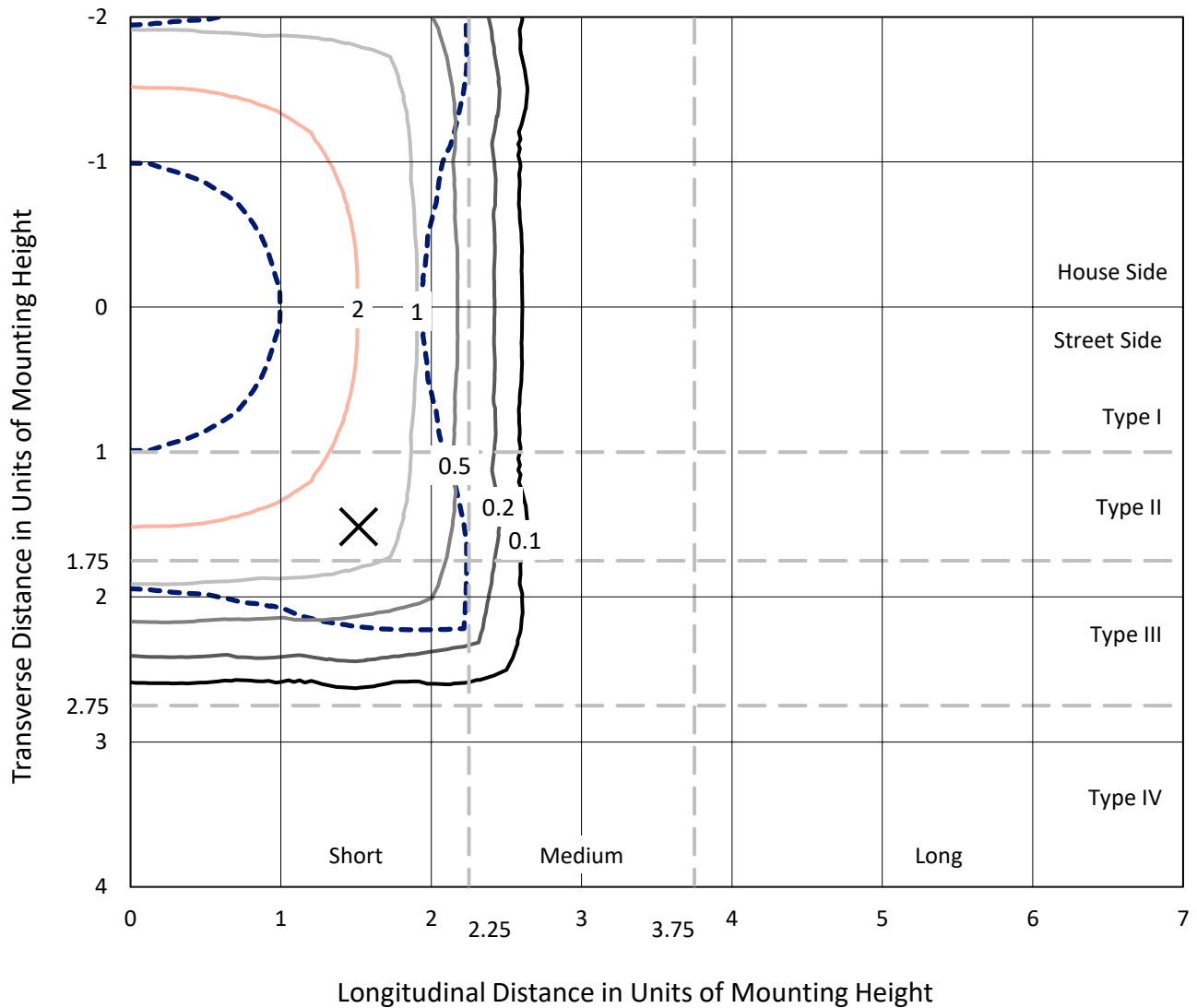
Lumens per Lamp: N/A  
Luminaire Lumens: 25543 lumens  
Efficiency: N/A  
Efficacy: 99.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

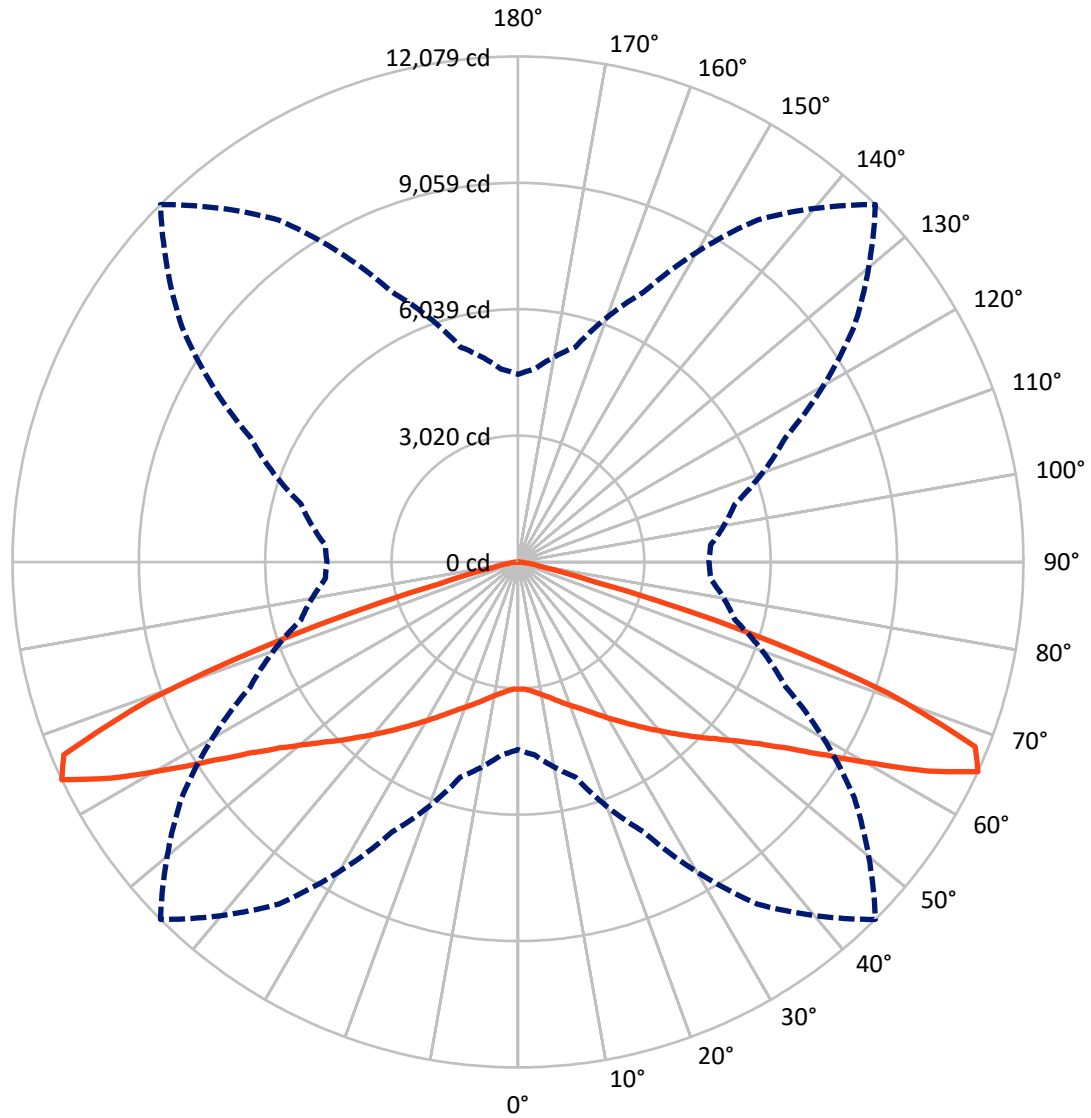
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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	12771.5	0.0	12771.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12771.5	0.0	12771.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25543.0	0.0	25543.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	300.0	1.2
10°-20°	978.9	3.8
20°-30°	1848.4	7.2
30°-40°	3026.6	11.8
40°-50°	4692.8	18.4
50°-60°	6932.2	27.1
60°-70°	6598.9	25.8
70°-80°	1064.8	4.2
80°-90°	100.4	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°	25543.0	100.0
0°-180°	25543.0	100.0

**Coefficient of Utilization**



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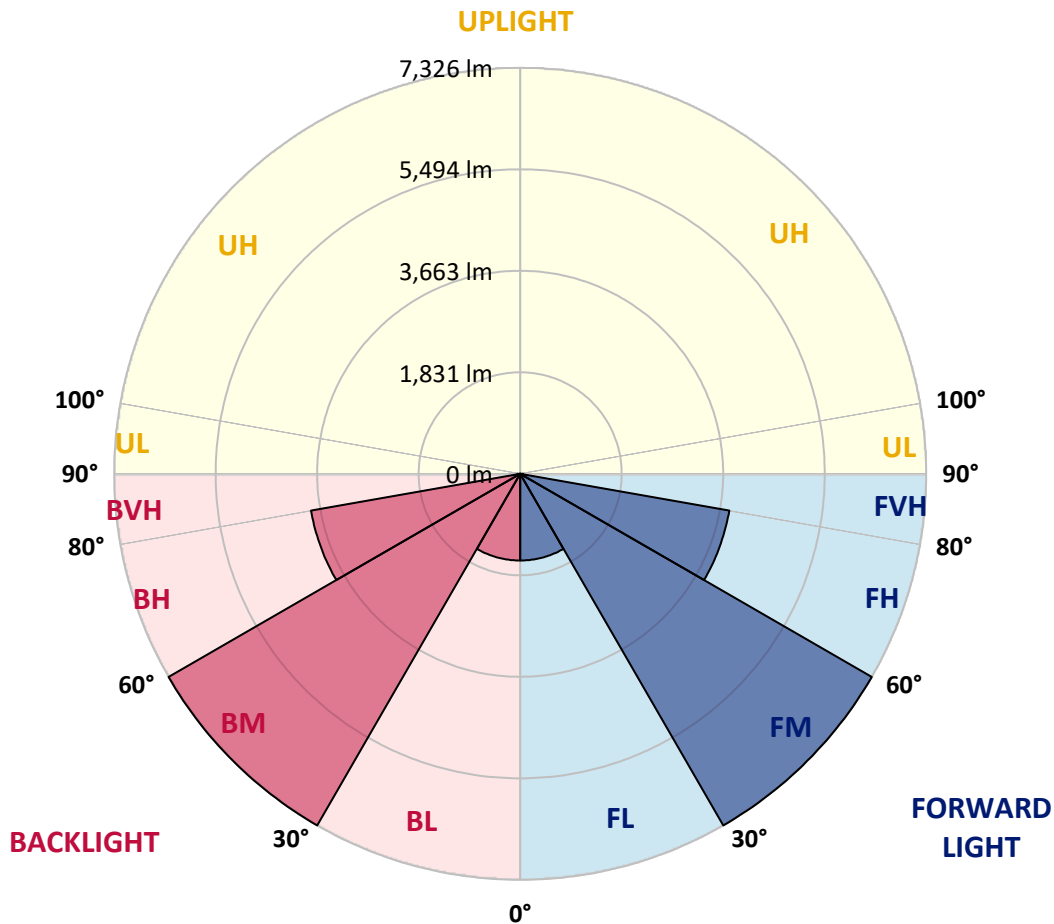
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1563.7	6.1			
FM (30°-60°)	7325.8	28.7			
FH (60°-80°)	3831.8	15.0			G2/5000
FVH (80°-90°)	50.2	0.2			G1/100
BL (0°-30°)	1563.7	6.1	B3/2500		
BM (30°-60°)	7325.8	28.7	B4/8500		
BH (60°-80°)	3831.8	15.0	B4/5000		G2/5000
BVH (80°-90°)	50.2	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°	3039.9	3039.9	3039.9	3039.9	3039.9	3039.9	3039.9	3039.9	3039.9	3039.9
2.5°	3060.4	3050.1	3057.8	3051.4	3046.3	3041.2	3043.7	3052.7	3056.5	3057.8
5°	3101.4	3092.4	3096.3	3096.3	3087.3	3084.7	3086.0	3092.4	3100.1	3100.1
7.5°	3168.0	3159.1	3168.0	3162.9	3155.2	3152.7	3151.4	3156.5	3168.0	3168.0
10°	3248.8	3238.5	3243.6	3241.1	3232.1	3228.3	3227.0	3234.7	3244.9	3243.6
12.5°	3337.2	3325.7	3332.1	3324.4	3321.8	3318.0	3318.0	3316.7	3323.1	3318.0
15°	3435.9	3428.2	3430.7	3425.6	3429.5	3426.9	3416.7	3411.5	3414.1	3406.4
17.5°	3552.5	3534.6	3543.5	3541.0	3541.0	3546.1	3529.4	3523.0	3528.1	3520.5
20°	3687.1	3669.1	3673.0	3667.8	3661.4	3666.6	3646.1	3651.2	3655.0	3649.9
22.5°	3834.4	3811.4	3810.1	3812.7	3798.6	3799.8	3785.7	3798.6	3806.2	3792.2
25°	3985.7	3961.3	3978.0	3971.6	3953.6	3957.5	3947.2	3960.0	3966.4	3948.5
27.5°	4145.9	4129.2	4144.6	4148.4	4126.6	4142.0	4126.6	4138.2	4144.6	4117.7
30°	4333.0	4316.3	4330.4	4340.7	4315.0	4339.4	4326.6	4334.3	4335.5	4303.5
32.5°	4536.7	4511.1	4547.0	4552.1	4523.9	4553.4	4536.7	4547.0	4553.4	4509.8
35°	4785.4	4753.3	4794.3	4787.9	4763.6	4787.9	4772.5	4787.9	4803.3	4750.8
37.5°	5053.2	5019.9	5063.5	5051.9	5028.9	5045.5	5036.6	5046.8	5071.2	5014.8
40°	5348.0	5307.0	5365.9	5345.4	5323.6	5321.1	5326.2	5332.6	5364.6	5301.8
42.5°	5663.2	5619.7	5708.1	5676.1	5645.3	5624.8	5641.4	5654.3	5685.0	5614.5
45°	6023.4	5973.4	6088.7	6050.3	6001.6	5959.3	5986.2	6005.4	6050.3	5965.7
47.5°	6420.6	6364.3	6487.3	6475.7	6396.3	6304.0	6365.5	6420.6	6454.0	6351.4
50°	6809.0	6765.4	6926.9	6941.0	6843.6	6714.1	6800.0	6883.3	6892.3	6757.7
52.5°	7172.9	7129.3	7363.9	7452.3	7365.2	7211.4	7302.4	7386.9	7319.0	7144.7
55°	7463.8	7428.0	7726.6	7954.7	7984.2	7857.3	7911.1	7908.5	7685.5	7417.7
57.5°	7534.3	7529.2	7906.0	8389.1	8696.7	8712.1	8605.7	8334.0	7853.4	7493.3
60°	7213.9	7246.0	7763.7	8616.0	9436.2	9777.1	9317.0	8541.6	7662.5	7162.7
62.5°	6255.3	6339.9	6964.0	8339.1	10033.4	11002.2	9887.3	8226.4	6878.2	6225.8
65°	4482.9	4630.3	5319.8	7116.5	9979.5	12078.8	9805.3	7058.9	5371.0	4618.8
67.5°	2033.8	2183.8	2769.5	4872.5	8674.9	11786.6	8654.4	4923.8	2907.9	2191.5
70°	736.9	762.5	950.9	1950.5	5544.1	9391.3	5781.1	1964.6	1011.2	812.5
72.5°	446.0	449.8	489.6	698.5	1926.2	5701.7	2008.2	721.5	499.8	443.4
75°	283.2	280.7	348.6	426.8	683.1	1923.6	716.4	426.8	347.3	316.5
77.5°	203.8	210.2	249.9	319.1	430.6	652.3	422.9	305.0	249.9	205.1
80°	152.5	156.4	182.0	248.6	302.4	406.3	269.1	225.6	188.4	128.2
82.5°	110.2	110.2	119.2	180.7	184.5	219.1	146.1	158.9	124.3	91.0
85°	65.4	64.1	74.3	107.7	96.1	80.7	66.6	97.4	78.2	56.4
87.5°	23.1	24.3	23.1	30.8	25.6	21.8	20.5	26.9	21.8	19.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3039.9
3057.8
3100.1
3164.2
3241.1
3320.5
3407.7
3526.9
3661.4
3806.2
3969.0
4138.2
4322.7
4539.3
4782.8
5049.4
5322.3
5651.7
6009.3
6386.0
6774.4
7149.9
7426.7
7470.2
7103.7
6187.4
4563.7
2159.4
802.3
451.1
319.1
208.9
132.0
91.0
55.1
17.9
0.0

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