

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: P955082

Luminaire Tested: **GALN-SB8A-927-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955082  
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-SB8A-927-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

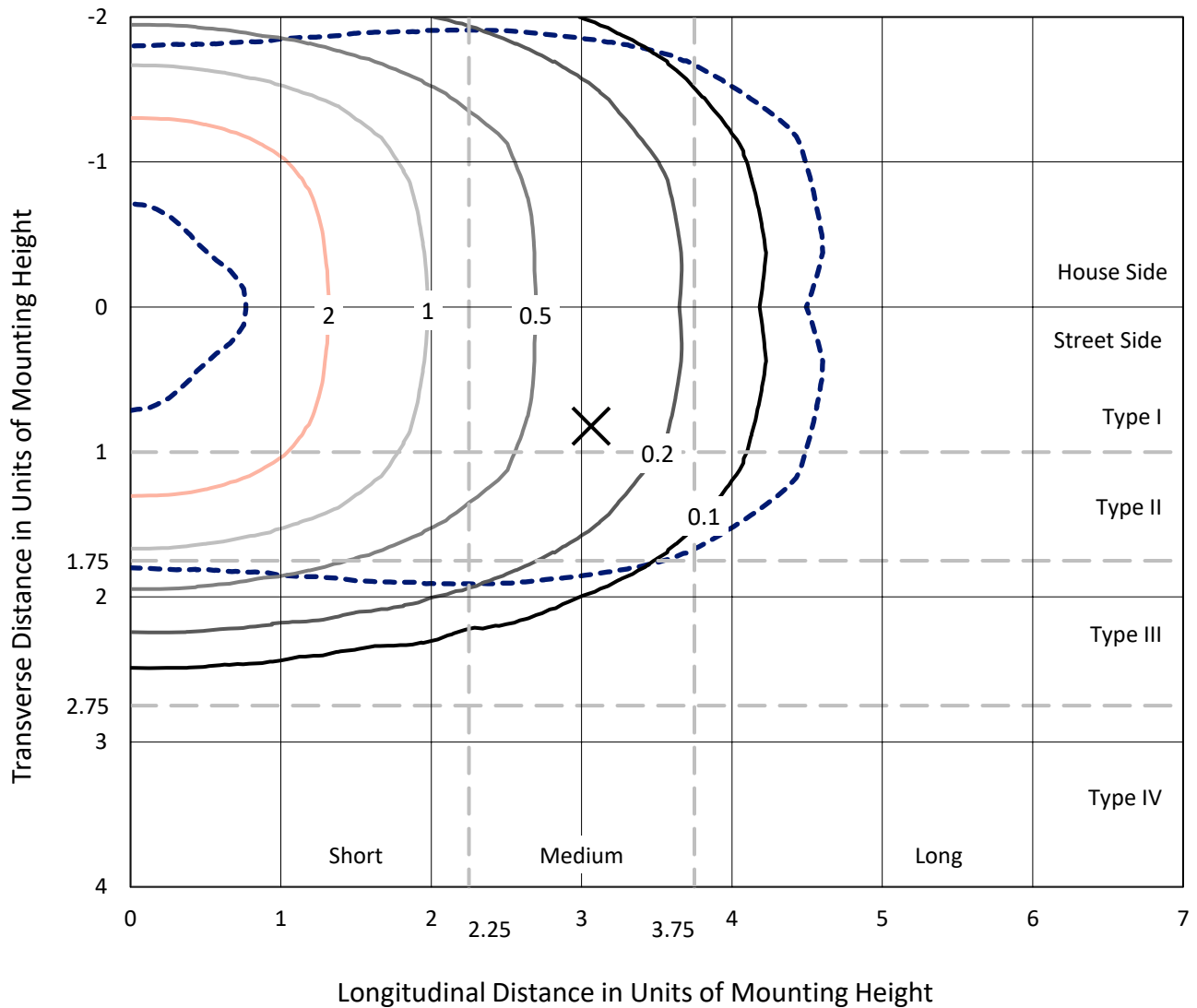
Lumens per Lamp: N/A  
Luminaire Lumens: 22736 lumens  
Efficiency: N/A  
Efficacy: 100.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): 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

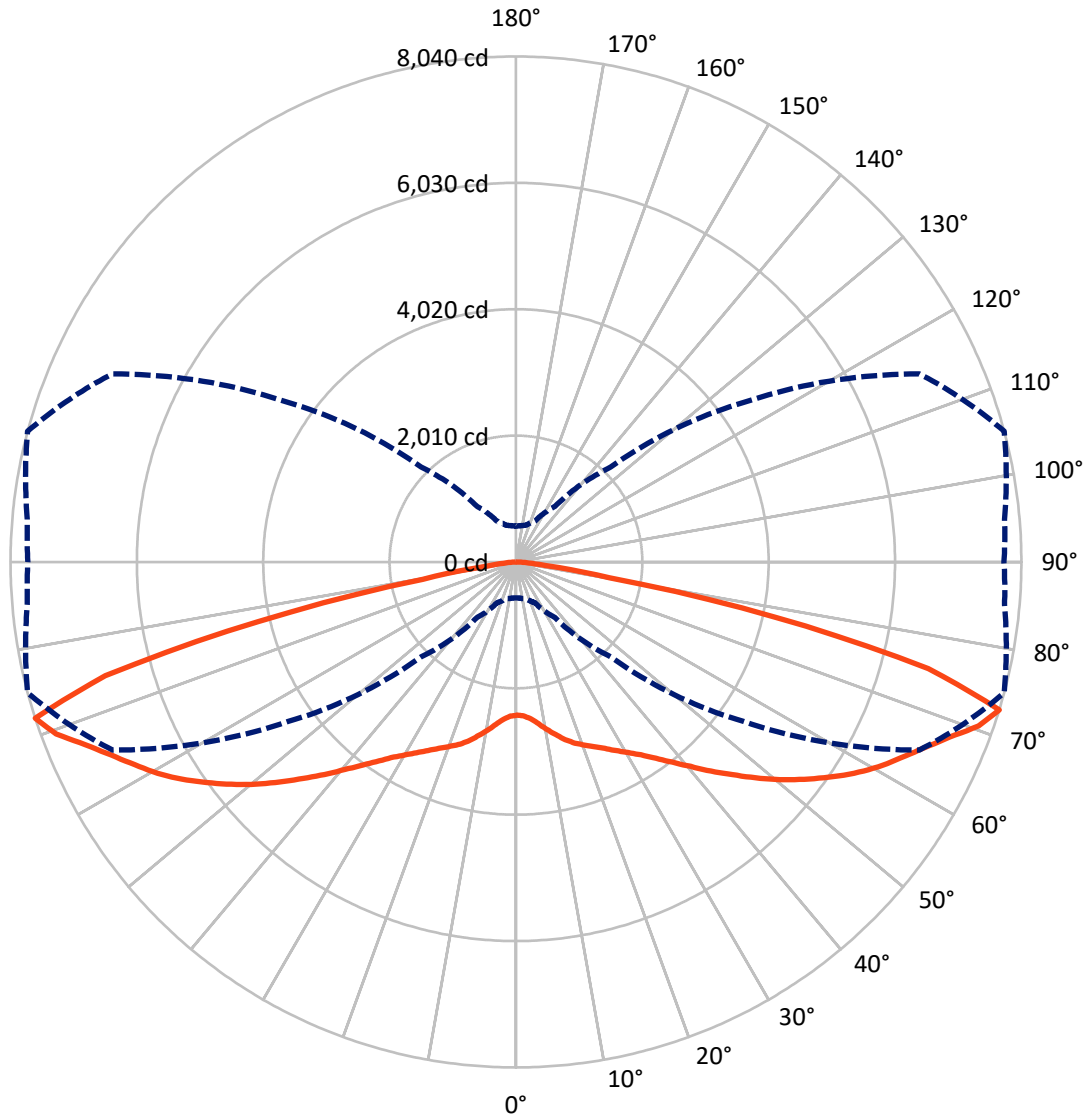
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11368.0	0.0	11368.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11368.0	0.0	11368.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22736.0	0.0	22736.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	238.6	1.0
10°-20°	786.9	3.5
20°-30°	1520.4	6.7
30°-40°	2567.4	11.3
40°-50°	4071.5	17.9
50°-60°	5451.3	24.0
60°-70°	5187.9	22.8
70°-80°	2707.1	11.9
80°-90°	204.9	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°	22736.0	100.0
0°-180°	22736.0	100.0

**Coefficient of Utilization**



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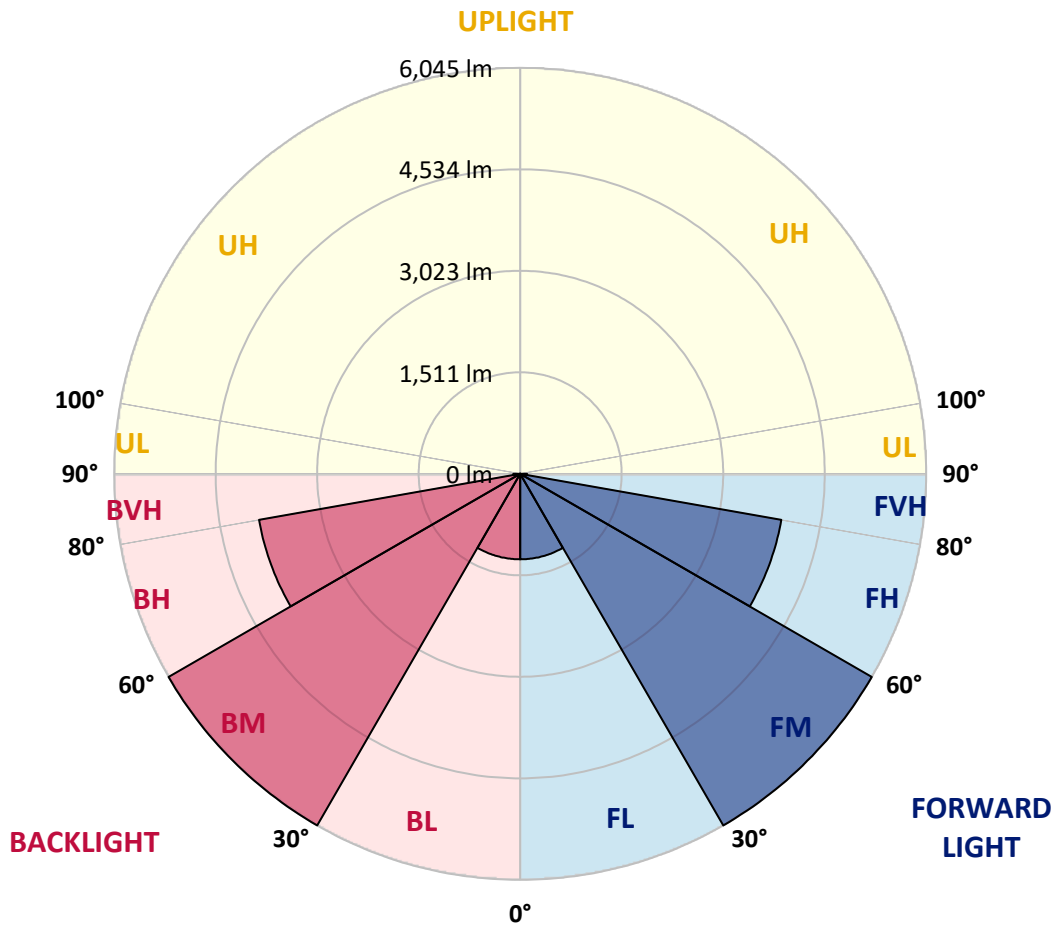
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1272.9	5.6			
FM (30°-60°)	6045.1	26.6			
FH (60°-80°)	3947.5	17.4			G2/5000
FVH (80°-90°)	102.5	0.5			G2/225
BL (0°-30°)	1272.9	5.6	B3/2500		
BM (30°-60°)	6045.1	26.6	B4/8500		
BH (60°-80°)	3947.5	17.4	B4/5000		G4/5000
BVH (80°-90°)	102.5	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°	2435.4	2435.4	2435.4	2435.4	2435.4	2435.4	2435.4	2435.4	2435.4	2435.4
2.5°	2435.4	2433.1	2435.4	2437.8	2436.6	2436.6	2442.4	2445.9	2452.8	2451.7
5°	2419.2	2418.0	2427.3	2437.8	2445.9	2459.8	2477.2	2490.0	2506.2	2509.7
7.5°	2411.1	2407.6	2423.8	2442.4	2467.9	2502.8	2536.4	2571.3	2599.1	2608.4
10°	2416.9	2418.0	2440.1	2474.9	2515.5	2564.3	2611.9	2671.1	2710.6	2719.8
12.5°	2443.6	2441.2	2478.4	2534.1	2589.8	2651.3	2707.1	2772.1	2815.0	2837.1
15°	2492.3	2487.7	2539.9	2622.3	2703.6	2775.6	2820.8	2882.4	2932.3	2960.1
17.5°	2550.4	2552.7	2621.2	2728.0	2834.8	2916.0	2959.0	2990.3	3028.6	3053.0
20°	2652.5	2657.2	2733.8	2860.3	2982.2	3075.1	3109.9	3098.3	3108.7	3127.3
22.5°	2789.5	2791.8	2877.7	3014.7	3142.4	3244.5	3267.8	3220.2	3191.1	3203.9
25°	2948.5	2963.6	3049.5	3190.0	3321.1	3418.7	3429.1	3357.1	3285.2	3288.6
27.5°	3142.4	3156.3	3243.4	3382.7	3516.2	3600.9	3599.8	3503.4	3397.8	3371.1
30°	3352.5	3367.6	3457.0	3600.9	3725.1	3799.4	3783.2	3668.2	3517.3	3467.4
32.5°	3602.1	3611.4	3701.9	3845.8	3960.8	4020.0	3986.3	3844.7	3656.6	3599.8
35°	3903.9	3917.8	3985.1	4121.0	4222.0	4270.7	4213.8	4046.7	3835.4	3771.6
37.5°	4248.7	4239.4	4316.0	4436.7	4520.3	4550.5	4472.7	4274.2	4039.7	3964.3
40°	4608.5	4603.9	4687.5	4803.5	4848.8	4867.4	4752.5	4535.4	4275.4	4194.1
42.5°	4934.7	4931.2	5043.8	5172.7	5227.2	5206.3	5061.2	4812.8	4548.2	4455.3
45°	5195.9	5191.3	5329.4	5510.5	5617.3	5582.5	5387.4	5119.3	4824.4	4728.1
47.5°	5396.7	5399.0	5547.6	5771.7	5958.6	5971.3	5720.6	5431.5	5128.6	5019.5
50°	5541.8	5548.8	5707.8	5956.2	6211.6	6324.2	6060.7	5751.9	5443.2	5320.1
52.5°	5577.8	5590.6	5782.1	6073.5	6374.1	6588.9	6406.7	6059.6	5741.5	5624.2
55°	5386.3	5411.8	5654.4	6064.2	6474.0	6763.0	6710.8	6371.8	6042.1	5921.4
57.5°	4946.3	4982.3	5265.5	5800.7	6451.9	6882.6	6946.4	6671.3	6342.8	6226.7
60°	4329.9	4372.9	4644.5	5228.4	6140.8	6926.7	7112.4	6962.7	6619.1	6506.5
62.5°	3400.1	3455.8	3780.8	4465.7	5483.8	6721.2	7254.1	7226.2	6867.5	6727.0
65°	2181.2	2240.4	2582.9	3392.0	4607.4	6092.1	7298.2	7482.7	7129.9	6933.7
67.5°	1315.2	1341.9	1511.4	2055.8	3367.6	5143.7	6924.4	7767.1	7436.3	7192.5
70°	841.6	856.7	957.7	1207.3	1903.8	3753.0	5998.0	7820.5	7807.8	7458.4
72.5°	571.1	575.8	602.5	715.1	1077.3	2132.5	4423.9	7079.9	8039.9	7800.8
75°	417.9	443.4	486.4	506.1	611.8	1065.6	2535.3	4974.2	6775.8	6880.3
77.5°	311.1	312.3	371.5	394.7	436.5	567.6	1072.6	2776.7	4206.9	4417.0
80°	263.5	249.6	248.4	318.1	328.5	354.1	479.4	958.9	1506.8	913.6
82.5°	219.4	204.3	184.6	248.4	224.0	217.1	207.8	390.0	479.4	235.6
85°	153.2	146.3	139.3	162.5	127.7	109.1	99.8	182.3	202.0	99.8
87.5°	66.2	68.5	69.7	72.0	53.4	38.3	38.3	51.1	51.1	39.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2435.4
2450.5
2509.7
2610.7
2729.1
2846.4
2970.6
3064.6
3141.2
3213.2
3294.5
3379.2
3473.2
3613.7
3780.8
3978.2
4220.8
4478.5
4750.1
5052.0
5357.3
5654.4
5955.1
6253.4
6530.9
6743.3
6958.0
7211.1
7456.0
7763.7
6627.2
3939.9
690.7
200.8
88.2
29.0
0.0

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