

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: P943933

Luminaire Tested: **GALN-SB8C-927-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943933  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB8C-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36466 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

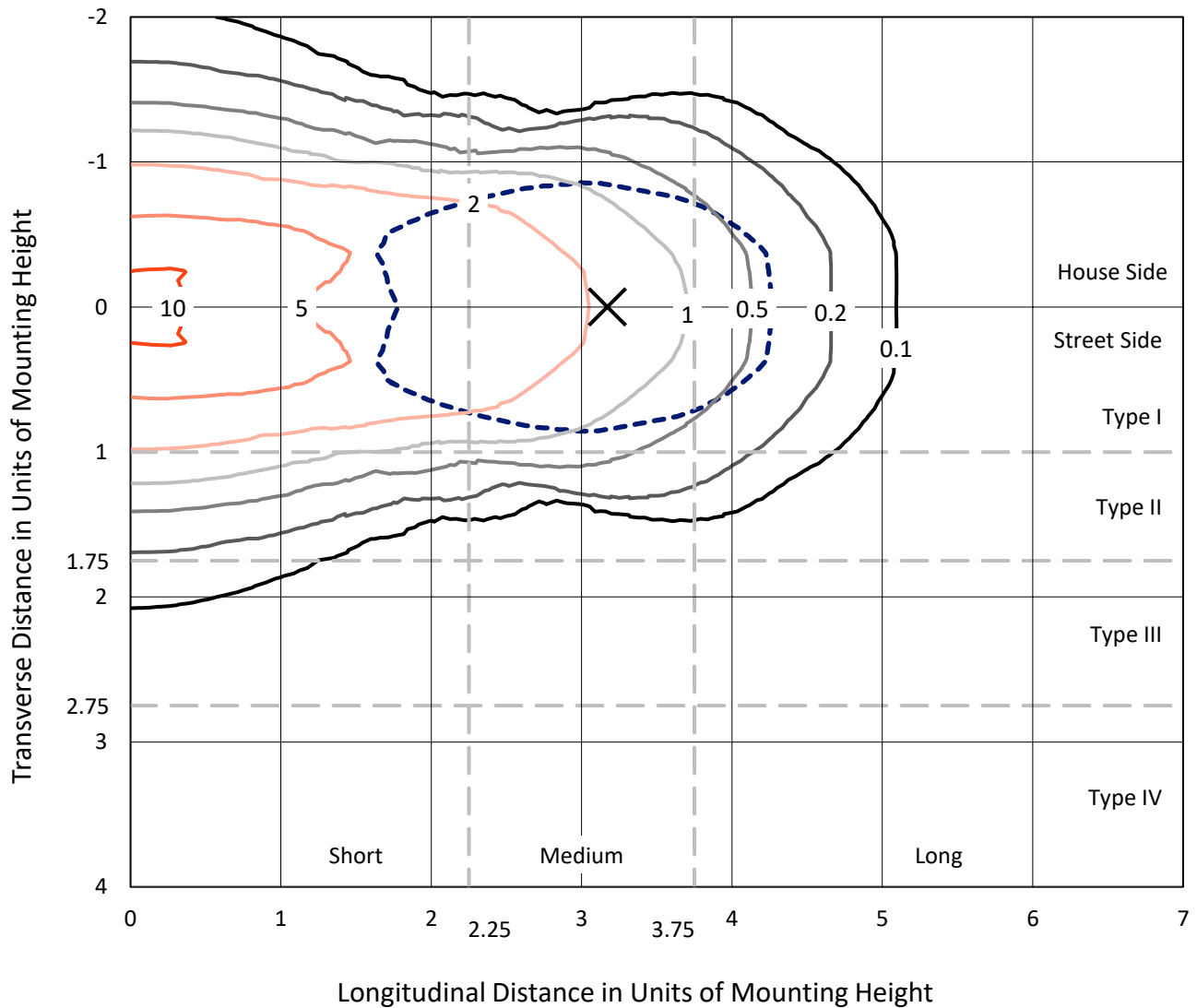
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

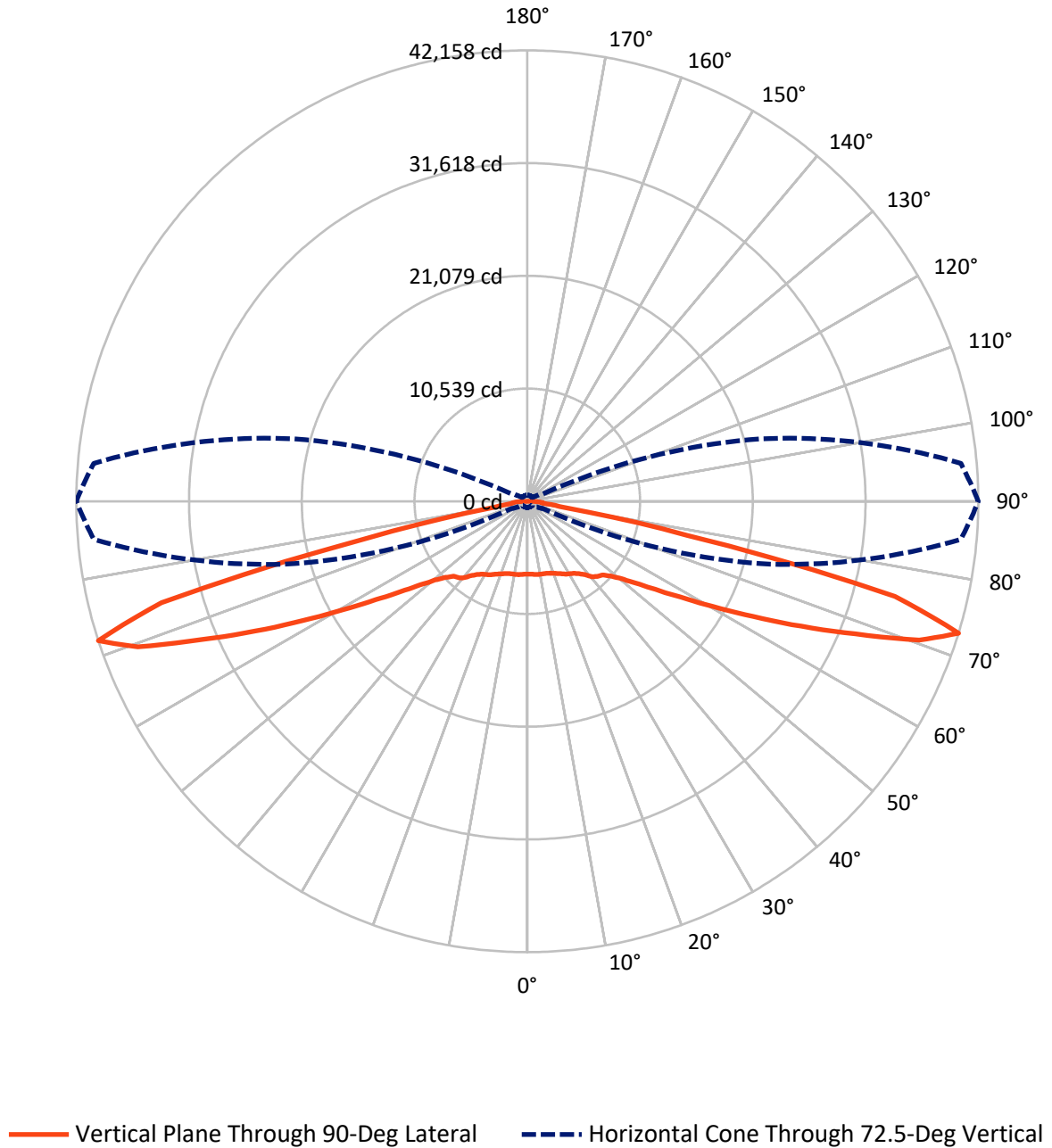
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18233.0	0.0	18233.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18233.0	0.0	18233.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	36466.0	0.0	36466.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	660.7	1.8
10°-20°	2020.2	5.5
20°-30°	3368.5	9.2
30°-40°	4632.7	12.7
40°-50°	5657.8	15.5
50°-60°	6543.8	17.9
60°-70°	7802.4	21.4
70°-80°	5445.6	14.9
80°-90°	334.5	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°	36466.0	100.0
0°-180°	36466.0	100.0

**Coefficient of Utilization**



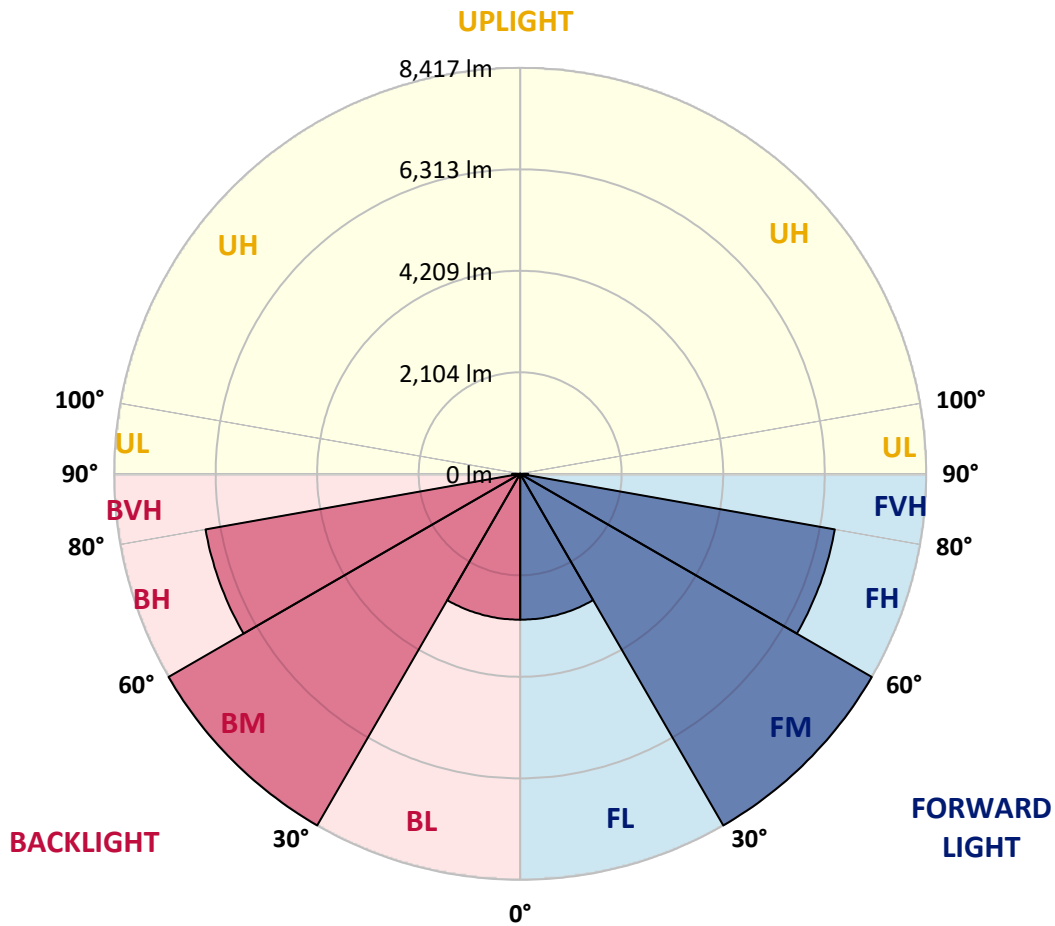
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3024.7	8.3			
FM (30°-60°)	8417.1	23.1			
FH (60°-80°)	6624.0	18.2			G3/7500
FVH (80°-90°)	167.2	0.5			G2/225
BL (0°-30°)	3024.7	8.3	B4/5000		
BM (30°-60°)	8417.1	23.1	B4/8500		
BH (60°-80°)	6624.0	18.2	B5		G5
BVH (80°-90°)	167.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6814.1	6814.1	6814.1	6814.1	6814.1	6814.1	6814.1	6814.1	6814.1	6814.1
2.5°	6819.9	6827.6	6827.6	6821.8	6835.4	6823.7	6823.7	6817.9	6823.7	6817.9
5°	6854.8	6864.4	6868.3	6866.4	6883.8	6874.1	6874.1	6866.4	6868.3	6862.5
7.5°	6920.6	6934.2	6942.0	6951.7	6976.9	6965.2	6957.5	6934.2	6924.5	6909.0
10°	6942.0	6957.5	6982.7	7033.1	7091.2	7093.1	7069.9	7011.7	6967.2	6932.3
12.5°	6876.1	6897.4	6949.7	7052.4	7182.3	7234.6	7197.8	7100.9	7013.7	6951.7
15°	6792.7	6816.0	6895.5	7050.5	7242.4	7364.5	7360.6	7232.7	7093.1	6996.2
17.5°	6662.9	6686.1	6800.5	7017.5	7288.9	7490.4	7544.7	7412.9	7217.2	7087.3
20°	6428.4	6449.7	6608.6	6912.9	7304.4	7624.1	7765.6	7649.3	7405.2	7228.8
22.5°	6124.1	6157.1	6343.1	6732.7	7267.6	7763.7	8017.6	7938.1	7624.1	7380.0
25°	5798.5	5833.4	6050.5	6511.7	7172.6	7864.5	8316.0	8265.6	7872.2	7567.9
27.5°	5517.5	5554.3	5790.8	6292.7	7025.3	7903.2	8610.6	8635.8	8172.6	7775.3
30°	5296.6	5331.5	5583.4	6116.4	6835.4	7864.5	8868.4	9042.8	8478.8	7955.5
32.5°	5054.3	5098.9	5364.4	5901.3	6610.6	7771.4	9093.2	9482.7	8833.5	8149.3
35°	4748.1	4788.8	5067.9	5606.7	6316.0	7622.2	9281.1	9971.1	9341.2	8443.9
37.5°	4376.0	4414.8	4691.9	5238.5	6023.3	7412.9	9424.6	10521.5	9945.9	8868.4
40°	4002.0	4038.8	4298.5	4827.6	5672.6	7145.5	9475.0	11060.2	10639.7	9451.7
42.5°	3659.0	3691.9	3930.3	4422.5	5279.1	6804.4	9409.1	11529.2	11261.8	9858.7
45°	3343.1	3372.1	3583.4	4042.7	4870.2	6389.6	9211.4	12033.1	12002.1	10149.4
47.5°	2982.6	3011.7	3230.7	3674.5	4461.3	5903.2	8876.1	12529.3	13031.2	10808.3
50°	2542.7	2567.9	2792.7	3250.0	4036.9	5385.7	8411.0	12918.8	14329.7	11806.4
52.5°	2021.3	2048.5	2267.5	2724.8	3533.0	4829.5	7798.6	13172.7	15829.7	13263.8
55°	1503.9	1523.3	1713.2	2124.1	2909.0	4195.8	7031.1	13244.4	17531.3	15256.0
57.5°	1091.1	1102.7	1224.8	1531.0	2205.5	3403.2	6098.9	13058.3	19556.5	17810.3
60°	883.7	887.6	924.4	1060.1	1533.0	2507.8	4972.9	12418.8	21754.2	21103.0
62.5°	802.3	802.3	812.0	848.9	1036.8	1655.1	3610.5	11093.2	24110.8	25263.9
65°	746.1	746.1	750.0	767.5	817.8	1054.3	2279.1	8934.2	26097.3	30138.1
67.5°	695.7	697.7	695.7	701.6	730.6	779.1	1321.7	6170.6	27167.1	35188.5
70°	643.4	647.3	637.6	637.6	660.9	662.8	827.5	3383.8	26279.5	39421.1
72.5°	581.4	587.2	571.7	567.8	585.3	577.5	622.1	1624.1	22562.4	40684.7
75°	527.1	534.9	500.0	490.3	490.3	484.5	505.8	833.3	14643.6	33188.5
77.5°	478.7	494.2	438.0	407.0	399.2	381.8	412.8	509.7	6405.1	15581.6
80°	395.4	416.7	360.5	323.6	310.1	290.7	325.6	356.6	1905.1	3618.3
82.5°	294.6	304.3	255.8	230.6	219.0	205.4	244.2	248.1	620.2	1281.0
85°	188.0	191.9	157.0	135.7	129.8	124.0	155.0	135.7	236.4	941.9
87.5°	65.9	75.6	60.1	54.3	58.1	48.5	71.7	40.7	65.9	664.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6814.1  
6817.9  
6862.5  
6909.0  
6926.5  
6942.0  
6980.7  
7066.0  
7195.8  
7335.4  
7505.9  
7709.4  
7860.6  
8029.2  
8310.2  
8690.1  
9261.8  
9614.5  
9819.9  
10428.5  
11329.6  
12676.5  
14521.5  
16885.9  
19938.3  
23703.8  
28165.2  
33058.6  
38861.1  
42157.6  
35498.6  
15258.0  
3465.2  
1447.7  
1368.2  
823.7  
0.0

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