

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: P942573

Luminaire Tested: **GALN-SB6C-927-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942573  
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-SB6C-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 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: 27347 lumens  
Efficiency: N/A  
Efficacy: 90.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

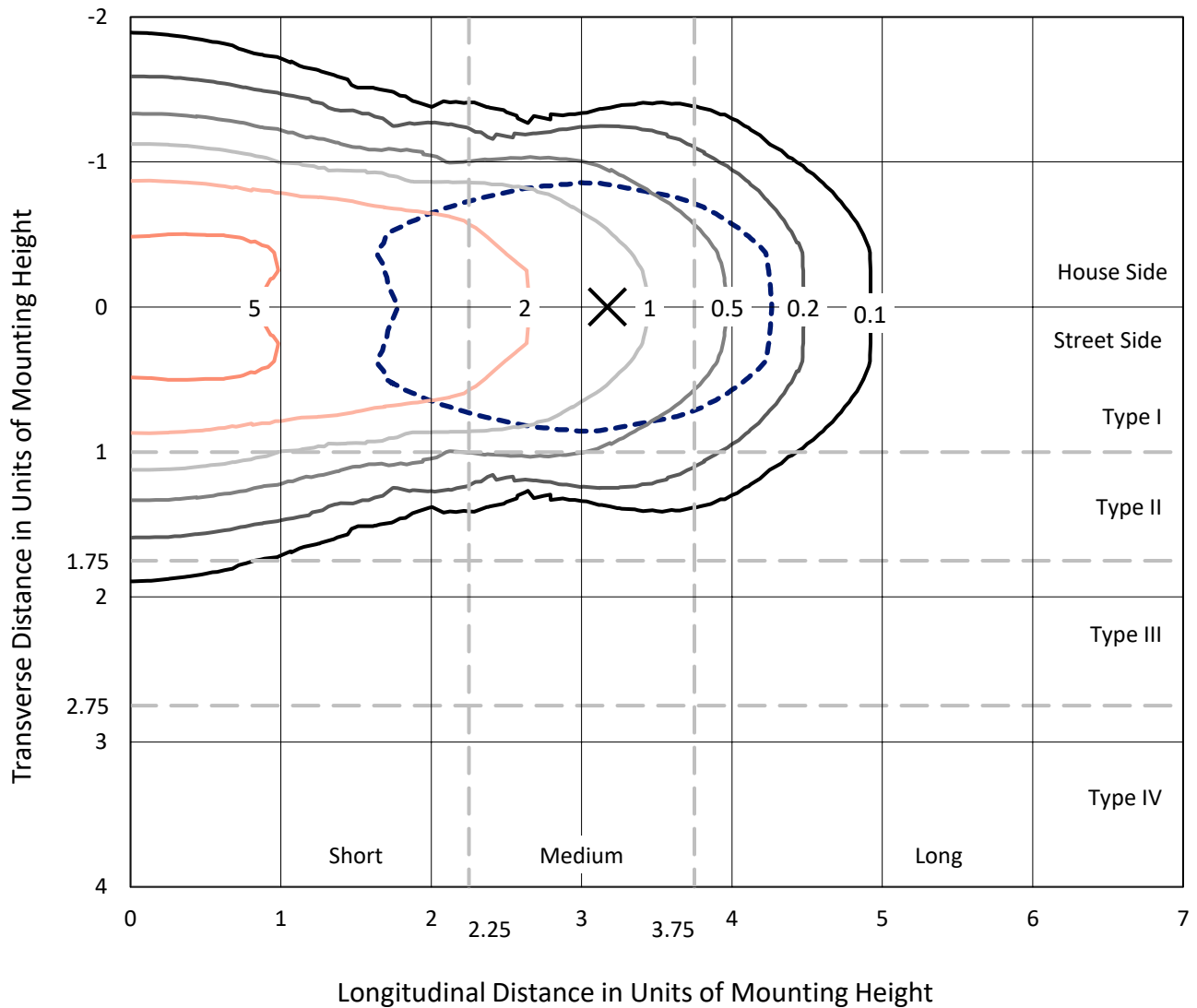
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

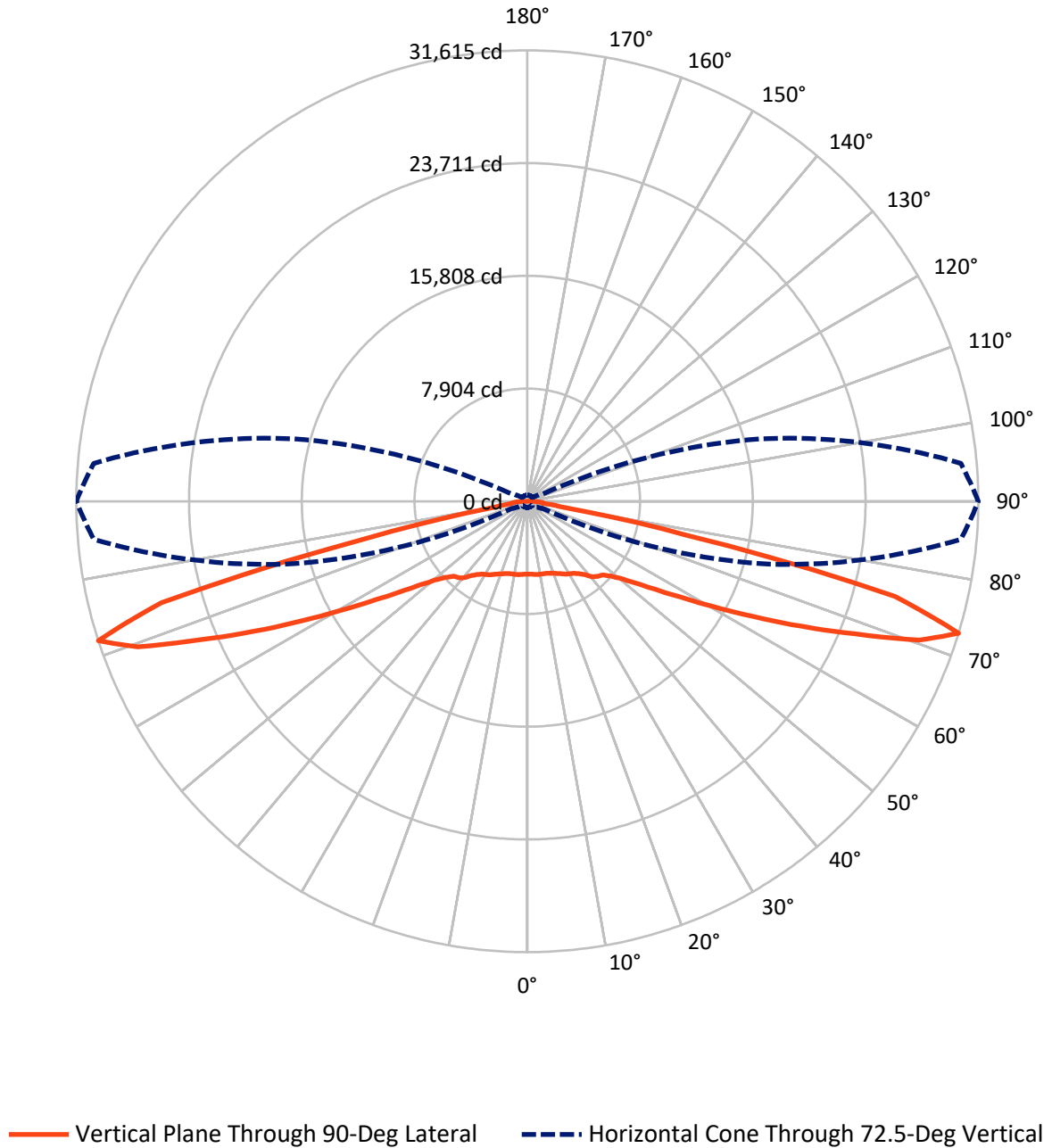
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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	13673.5	0.0	13673.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13673.5	0.0	13673.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27347.0	0.0	27347.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	495.5	1.8
10°-20°	1515.0	5.5
20°-30°	2526.1	9.2
30°-40°	3474.2	12.7
40°-50°	4242.9	15.5
50°-60°	4907.4	17.9
60°-70°	5851.3	21.4
70°-80°	4083.8	14.9
80°-90°	250.8	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°	27347.0	100.0
0°-180°	27347.0	100.0

**Coefficient of Utilization**



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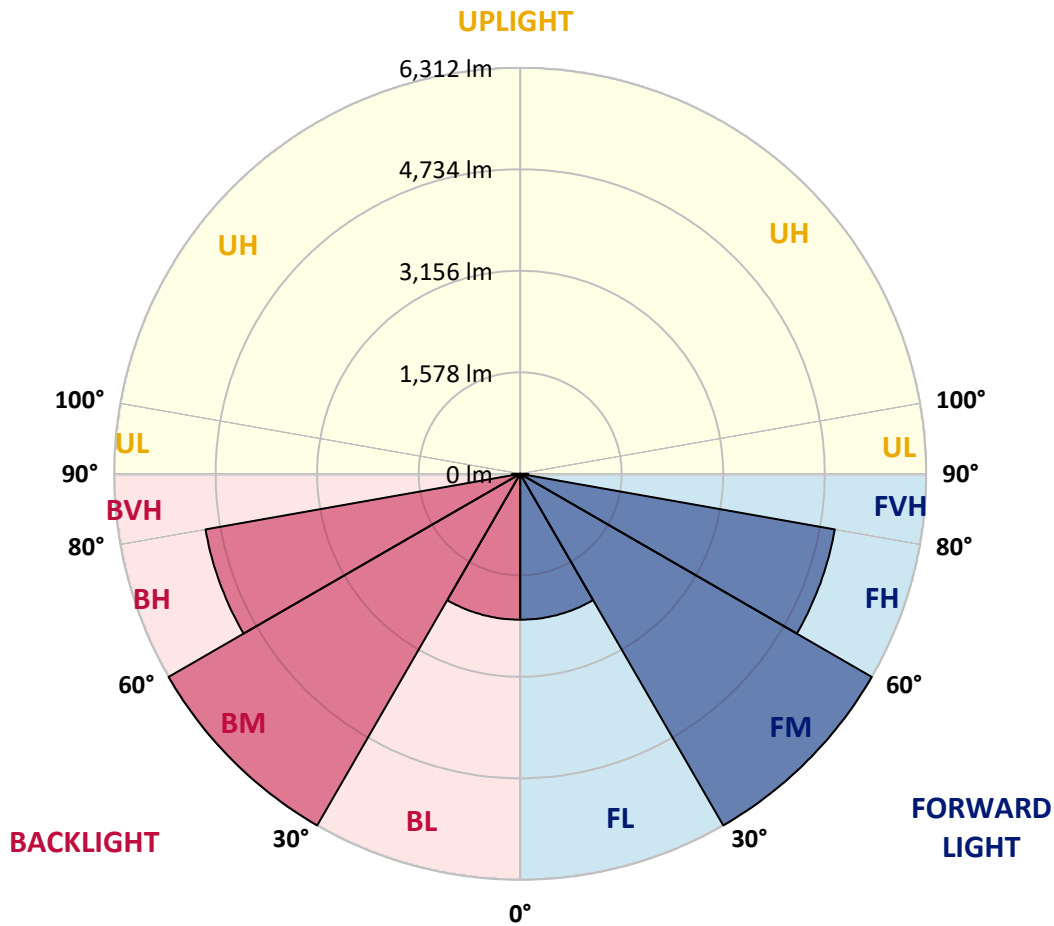
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2268.3	8.3			
FM (30°-60°)	6312.3	23.1			
FH (60°-80°)	4967.5	18.2			G2/5000
FVH (80°-90°)	125.4	0.5			G2/225
BL (0°-30°)	2268.3	8.3	B3/2500		
BM (30°-60°)	6312.3	23.1	B4/8500		
BH (60°-80°)	4967.5	18.2	B4/5000		G4/5000
BVH (80°-90°)	125.4	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 I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5110.1	5110.1	5110.1	5110.1	5110.1	5110.1	5110.1	5110.1	5110.1	5110.1
2.5°	5114.4	5120.2	5120.2	5115.9	5126.1	5117.3	5117.3	5113.0	5117.3	5113.0
5°	5140.6	5147.9	5150.8	5149.3	5162.4	5155.1	5155.1	5149.3	5150.8	5146.4
7.5°	5190.0	5200.2	5206.0	5213.3	5232.2	5223.4	5217.6	5200.2	5192.9	5181.3
10°	5206.0	5217.6	5236.5	5274.3	5317.9	5319.4	5301.9	5258.3	5224.9	5198.7
12.5°	5156.6	5172.6	5211.8	5288.8	5386.2	5425.5	5397.8	5325.2	5259.8	5213.3
15°	5094.1	5111.5	5171.1	5287.4	5431.3	5522.8	5519.9	5424.0	5319.4	5246.7
17.5°	4996.7	5014.2	5099.9	5262.7	5466.2	5617.3	5658.0	5559.2	5412.4	5315.0
20°	4820.9	4836.8	4956.0	5184.2	5477.8	5717.6	5823.7	5736.5	5553.4	5421.1
22.5°	4592.7	4617.4	4756.9	5049.0	5450.2	5822.2	6012.6	5953.0	5717.6	5534.5
25°	4348.5	4374.7	4537.4	4883.3	5379.0	5897.8	6236.4	6198.7	5903.6	5675.4
27.5°	4137.8	4165.4	4342.7	4719.1	5268.5	5926.9	6457.4	6476.3	6128.9	5831.0
30°	3972.1	3998.2	4187.2	4586.9	5126.1	5897.8	6650.7	6781.5	6358.5	5966.1
32.5°	3790.4	3823.8	4022.9	4425.5	4957.5	5828.0	6819.2	7111.4	6624.5	6111.5
35°	3560.8	3591.3	3800.6	4204.6	4736.6	5716.1	6960.2	7477.6	7005.3	6332.4
37.5°	3281.7	3310.8	3518.6	3928.5	4517.1	5559.2	7067.8	7890.4	7458.7	6650.7
40°	3001.2	3028.8	3223.6	3620.4	4254.0	5358.6	7105.6	8294.4	7979.0	7088.1
42.5°	2744.0	2768.7	2947.4	3316.6	3959.0	5102.8	7056.1	8646.1	8445.6	7393.3
45°	2507.1	2528.9	2687.3	3031.7	3652.3	4791.8	6907.9	9024.0	9000.8	7611.3
47.5°	2236.7	2258.5	2422.8	2755.6	3345.7	4427.0	6656.5	9396.1	9772.5	8105.5
50°	1906.8	1925.7	2094.3	2437.3	3027.4	4038.9	6307.7	9688.2	10746.3	8854.0
52.5°	1515.9	1536.2	1700.5	2043.4	2649.5	3621.8	5848.4	9878.6	11871.2	9946.9
55°	1127.8	1142.4	1284.8	1592.9	2181.5	3146.6	5272.9	9932.4	13147.3	11441.0
57.5°	818.3	827.0	918.5	1148.2	1653.9	2552.1	4573.8	9792.9	14666.0	13356.5
60°	662.7	665.6	693.3	795.0	1149.6	1880.7	3729.4	9313.2	16314.2	15825.8
62.5°	601.7	601.7	609.0	636.6	777.6	1241.2	2707.6	8319.1	18081.5	18946.2
65°	559.6	559.6	562.5	575.5	613.3	790.6	1709.2	6700.1	19571.2	22601.5
67.5°	521.8	523.2	521.8	526.1	547.9	584.3	991.2	4627.6	20373.4	26389.0
70°	482.5	485.4	478.2	478.2	495.6	497.1	620.6	2537.6	19707.8	29563.2
72.5°	436.0	440.4	428.7	425.8	438.9	433.1	466.5	1217.9	16920.2	30510.8
75°	395.3	401.1	375.0	367.7	367.7	363.3	379.3	625.0	10981.7	24889.1
77.5°	359.0	370.6	328.5	305.2	299.4	286.3	309.6	382.2	4803.4	11685.2
80°	296.5	312.5	270.3	242.7	232.5	218.0	244.2	267.4	1428.7	2713.5
82.5°	220.9	228.2	191.8	173.0	164.2	154.1	183.1	186.0	465.1	960.7
85°	141.0	143.9	117.7	101.7	97.4	93.0	116.3	101.7	177.3	706.3
87.5°	49.4	56.7	45.1	40.7	43.6	36.3	53.8	30.5	49.4	498.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5110.1  
5113.0  
5146.4  
5181.3  
5194.4  
5206.0  
5235.1  
5299.0  
5396.4  
5501.0  
5628.9  
5781.5  
5894.9  
6021.3  
6232.1  
6516.9  
6945.7  
7210.2  
7364.3  
7820.6  
8496.4  
9506.5  
10890.2  
12663.3  
14952.3  
17776.3  
21121.9  
24791.7  
29143.1  
31615.3  
26621.5  
11442.4  
2598.6  
1085.7  
1026.1  
617.7  
0.0

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