

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: P942523

Luminaire Tested: **GALN-SB6C-827-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942523  
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-827-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 39067 lumens  
Efficiency: N/A  
Efficacy: 129.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

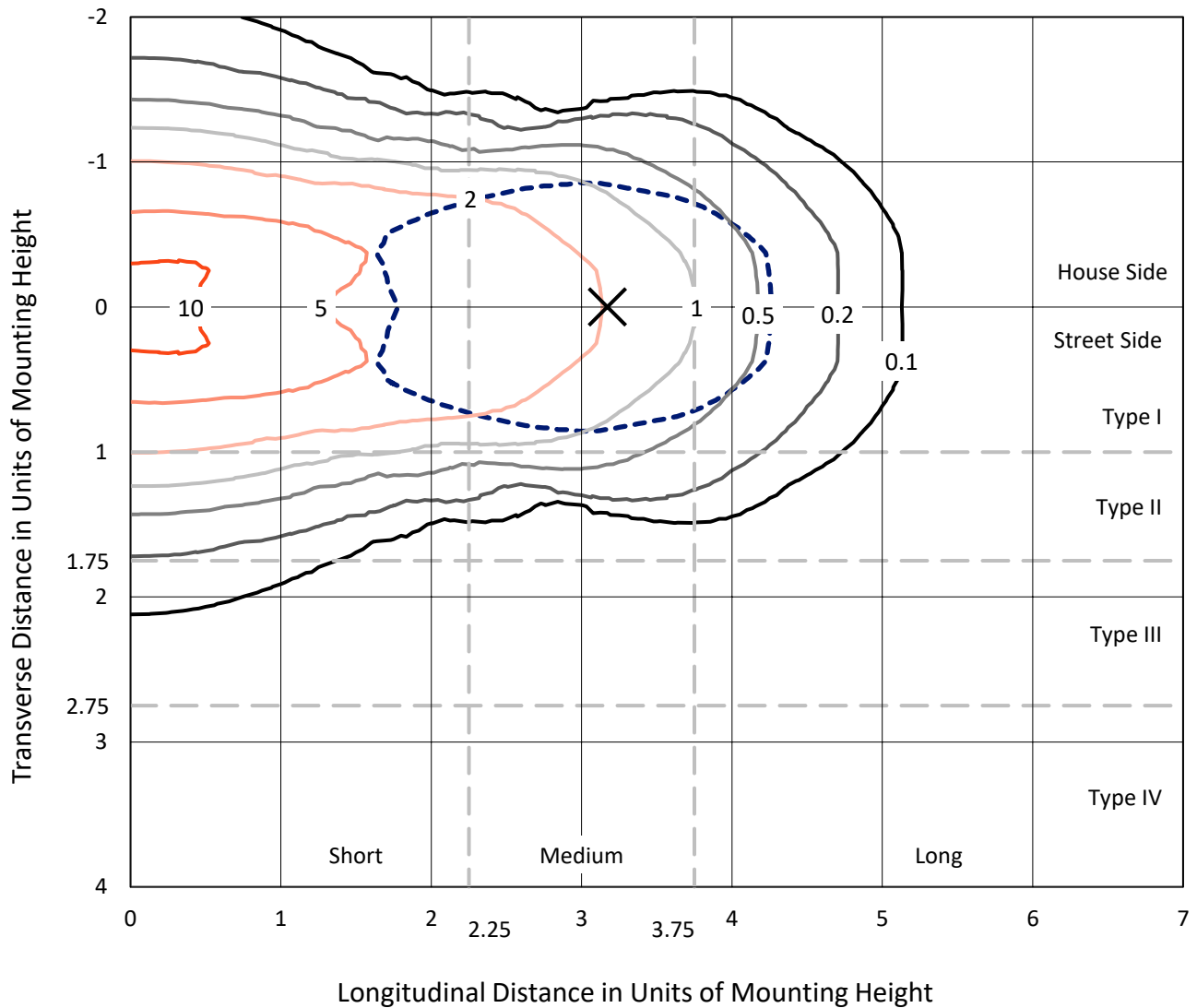
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

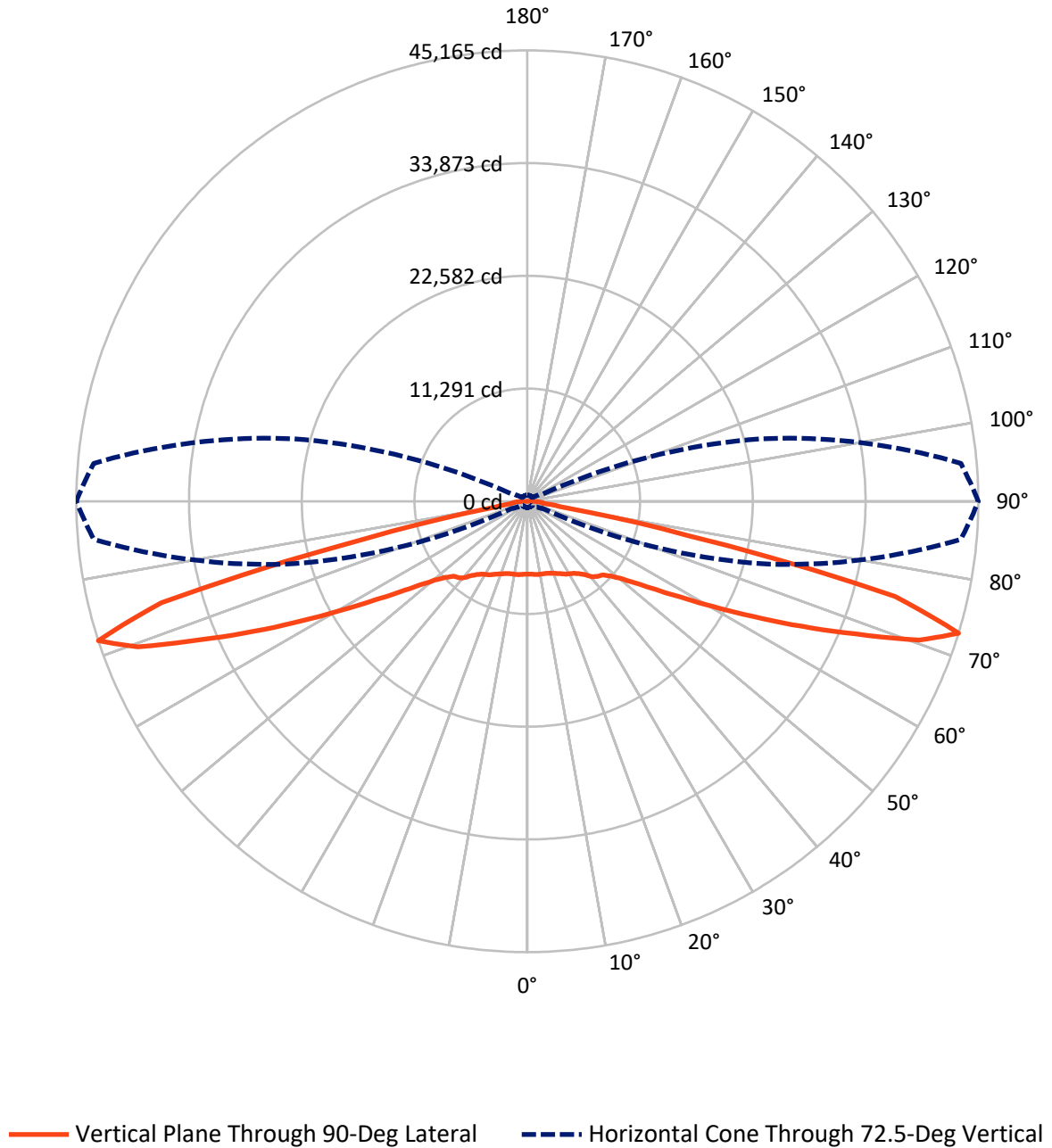
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 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	19533.5	0.0	19533.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19533.5	0.0	19533.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	39067.0	0.0	39067.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	707.8	1.8
10°-20°	2164.3	5.5
20°-30°	3608.7	9.2
30°-40°	4963.1	12.7
40°-50°	6061.3	15.5
50°-60°	7010.5	17.9
60°-70°	8358.9	21.4
70°-80°	5834.0	14.9
80°-90°	358.3	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°	39067.0	100.0
0°-180°	39067.0	100.0

**Coefficient of Utilization**



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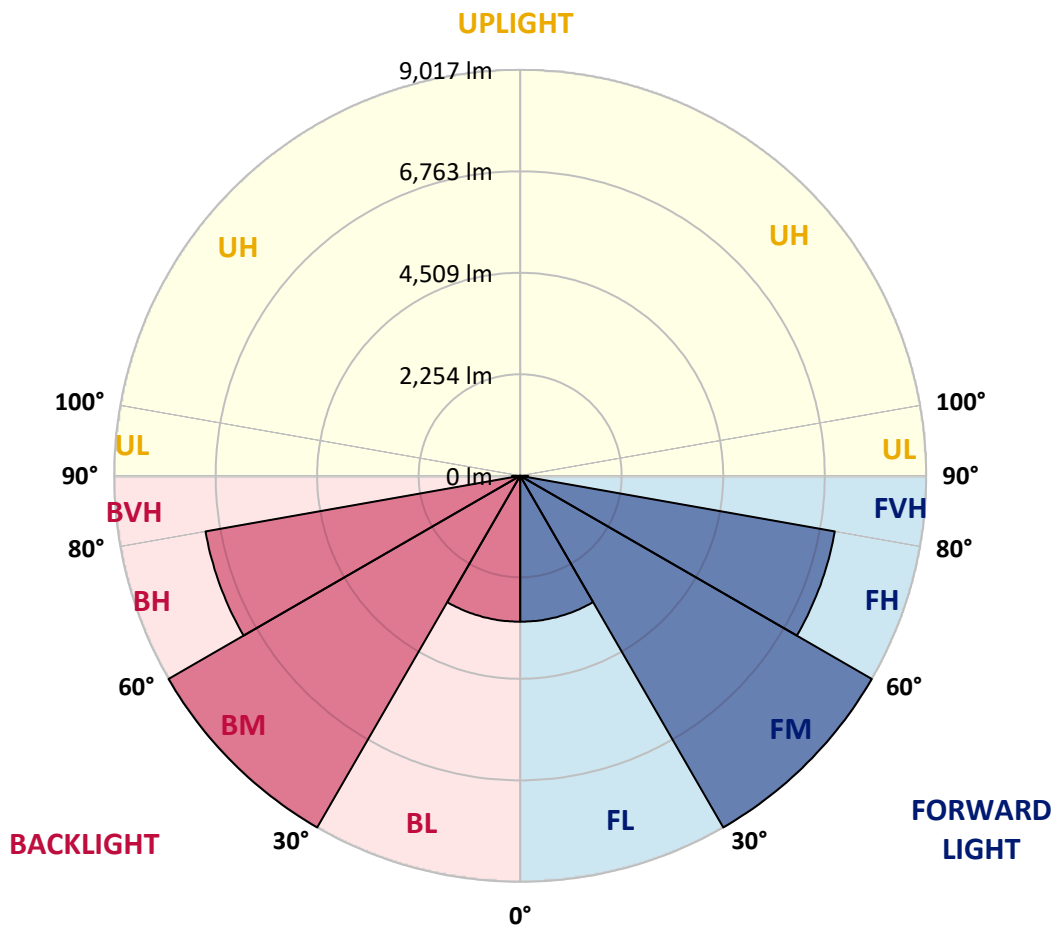
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3240.4	8.3			
FM	(30°-60°)	9017.5	23.1			
FH	(60°-80°)	7096.5	18.2			G3/7500
FVH	(80°-90°)	179.2	0.5			G2/225
BL	(0°-30°)	3240.4	8.3	B4/5000		
BM	(30°-60°)	9017.5	23.1	B5		
BH	(60°-80°)	7096.5	18.2	B5		G5
BVH	(80°-90°)	179.2	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°	7300.1	7300.1	7300.1	7300.1	7300.1	7300.1	7300.1	7300.1	7300.1	7300.1
2.5°	7306.3	7314.6	7314.6	7308.4	7322.9	7310.5	7310.5	7304.2	7310.5	7304.2
5°	7343.7	7354.1	7358.2	7356.1	7374.8	7364.4	7364.4	7356.1	7358.2	7352.0
7.5°	7414.3	7428.8	7437.1	7447.5	7474.5	7462.0	7453.7	7428.8	7418.4	7401.8
10°	7437.1	7453.7	7480.7	7534.7	7597.0	7599.1	7574.1	7511.9	7464.1	7426.7
12.5°	7366.5	7389.4	7445.4	7555.5	7694.6	7750.6	7711.2	7607.4	7513.9	7447.5
15°	7277.2	7302.2	7387.3	7553.4	7758.9	7889.7	7885.6	7748.6	7599.1	7495.2
17.5°	7138.1	7163.0	7285.5	7518.1	7808.8	8024.7	8082.8	7941.6	7731.9	7592.8
20°	6886.9	6909.7	7080.0	7406.0	7825.4	8168.0	8319.5	8194.9	7933.3	7744.4
22.5°	6560.9	6596.2	6795.6	7212.9	7785.9	8317.4	8589.4	8504.3	8168.0	7906.3
25°	6212.1	6249.5	6482.0	6976.2	7684.2	8425.4	8909.2	8855.2	8433.7	8107.7
27.5°	5911.1	5950.5	6203.8	6741.6	7526.4	8466.9	9224.8	9251.8	8755.5	8329.9
30°	5674.4	5711.8	5981.7	6552.6	7322.9	8425.4	9500.9	9687.8	9083.6	8523.0
32.5°	5414.8	5462.6	5747.0	6322.2	7082.1	8325.7	9741.7	10159.1	9463.5	8730.6
35°	5086.8	5130.4	5429.4	6006.6	6766.5	8165.9	9943.1	10682.3	10007.5	9046.2
37.5°	4688.2	4729.7	5026.6	5612.1	6453.0	7941.6	10096.8	11271.9	10655.3	9500.9
40°	4287.4	4326.9	4605.1	5171.9	6077.2	7655.1	10150.8	11849.1	11398.6	10125.9
42.5°	3920.0	3955.2	4210.6	4738.0	5655.7	7289.7	10080.2	12351.6	12065.1	10561.9
45°	3581.5	3612.7	3839.0	4331.0	5217.6	6845.4	9868.4	12891.4	12858.2	10873.3
47.5°	3195.3	3226.5	3461.1	3936.6	4779.5	6324.2	9509.2	13422.9	13960.7	11579.2
50°	2724.0	2751.0	2991.9	3481.9	4324.8	5769.9	9010.9	13840.3	15351.8	12648.5
52.5°	2165.5	2194.6	2429.2	2919.2	3785.0	5174.0	8354.8	14112.2	16958.8	14209.8
55°	1611.2	1631.9	1835.4	2275.6	3116.4	4495.1	7532.6	14189.1	18781.7	16344.2
57.5°	1168.9	1181.4	1312.2	1640.2	2362.8	3645.9	6533.9	13989.7	20951.4	19080.7
60°	946.8	950.9	990.4	1135.7	1642.3	2686.7	5327.6	13304.6	23305.9	22608.2
62.5°	859.6	859.6	869.9	909.4	1110.8	1773.1	3868.0	11884.4	25830.6	27065.9
65°	799.4	799.4	803.5	822.2	876.2	1129.5	2441.7	9571.5	27958.7	32287.7
67.5°	745.4	747.4	745.4	751.6	782.7	834.7	1416.0	6610.8	29104.8	37698.4
70°	689.3	693.5	683.1	683.1	708.0	710.1	886.6	3625.1	28153.9	42232.9
72.5°	622.9	629.1	612.5	608.3	627.0	618.7	666.5	1739.9	24171.7	43586.6
75°	564.7	573.0	535.7	525.3	525.3	519.1	541.9	892.8	15688.1	35555.7
77.5°	512.8	529.4	469.2	436.0	427.7	409.0	442.2	546.1	6862.0	16693.0
80°	423.6	446.4	386.2	346.7	332.2	311.4	348.8	382.0	2040.9	3876.4
82.5°	315.6	326.0	274.1	247.1	234.6	220.1	261.6	265.8	664.4	1372.4
85°	201.4	205.5	168.2	145.3	139.1	132.9	166.1	145.3	253.3	1009.1
87.5°	70.6	81.0	64.4	58.1	62.3	51.9	76.8	43.6	70.6	712.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7300.1  
7304.2  
7352.0  
7401.8  
7420.5  
7437.1  
7478.6  
7570.0  
7709.1  
7858.6  
8041.3  
8259.3  
8421.3  
8601.9  
8902.9  
9309.9  
9922.4  
10300.3  
10520.3  
11172.3  
12137.7  
13580.7  
15557.3  
18090.3  
21360.4  
25394.6  
30174.1  
35416.6  
41632.9  
45164.6  
38030.6  
16346.3  
3712.3  
1551.0  
1465.8  
882.4  
0.0

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