

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: P944613

Luminaire Tested: **GALN-SB9C-927-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944613  
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-SB9C-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 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: 41076 lumens  
Efficiency: N/A  
Efficacy: 91.3 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

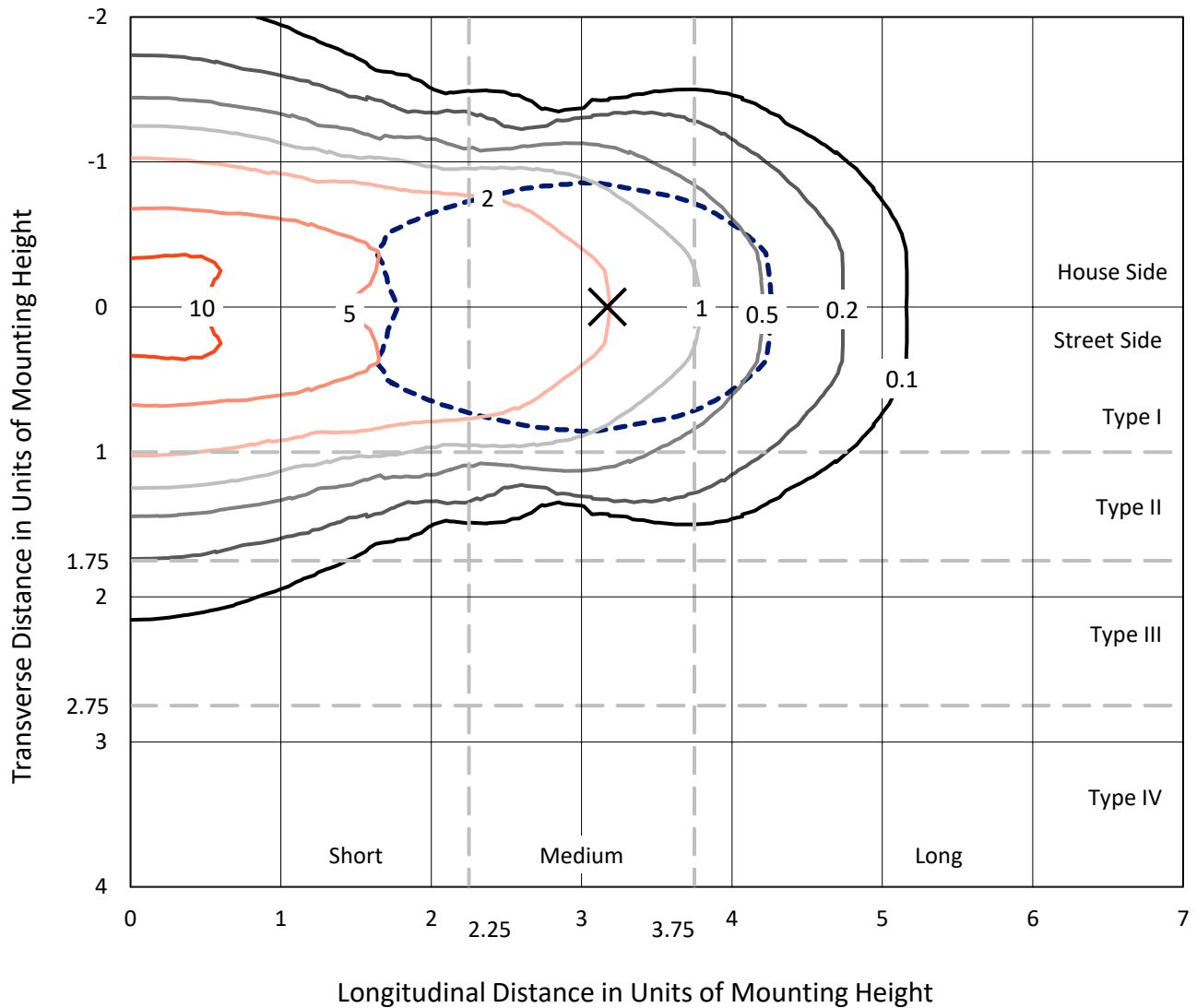
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P944613  
 CATALOG NUMBER: GALN-SB9C-927-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

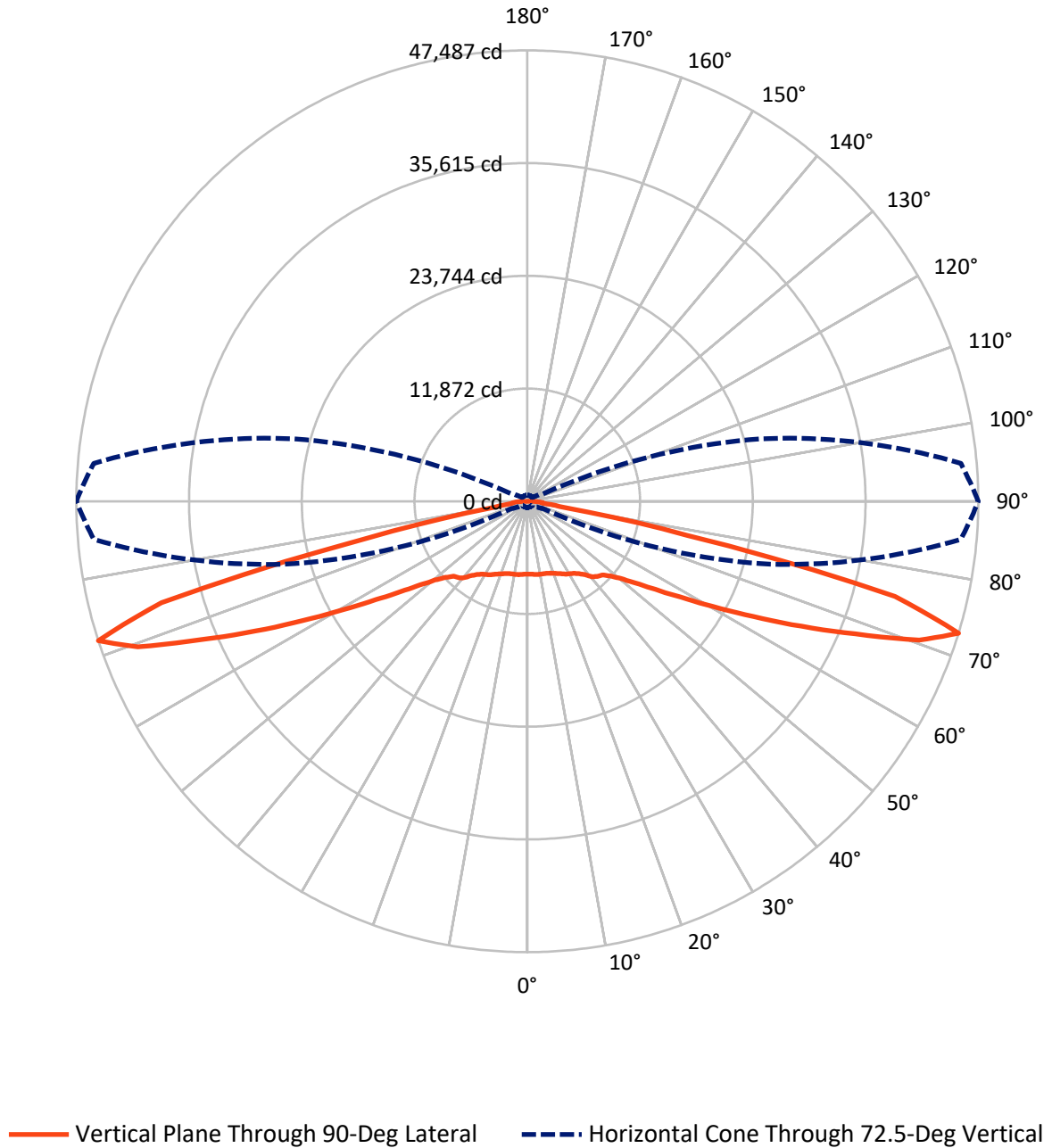
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc  
 Type I - Short - N/A

REPORT NUMBER: P944613  
CATALOG NUMBER: GALN-SB9C-927-U-T1

### Luminous Intensity Polar Plot



REPORT NUMBER: P944613  
 CATALOG NUMBER: GALN-SB9C-927-U-T1

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20538.0	0.0	20538.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20538.0	0.0	20538.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	41076.0	0.0	41076.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	744.2	1.8
10°-20°	2275.6	5.5
20°-30°	3794.3	9.2
30°-40°	5218.3	12.7
40°-50°	6373.0	15.5
50°-60°	7371.1	17.9
60°-70°	8788.8	21.4
70°-80°	6134.0	14.9
80°-90°	376.8	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°	41076.0	100.0
0°-180°	41076.0	100.0

**Coefficient of Utilization**



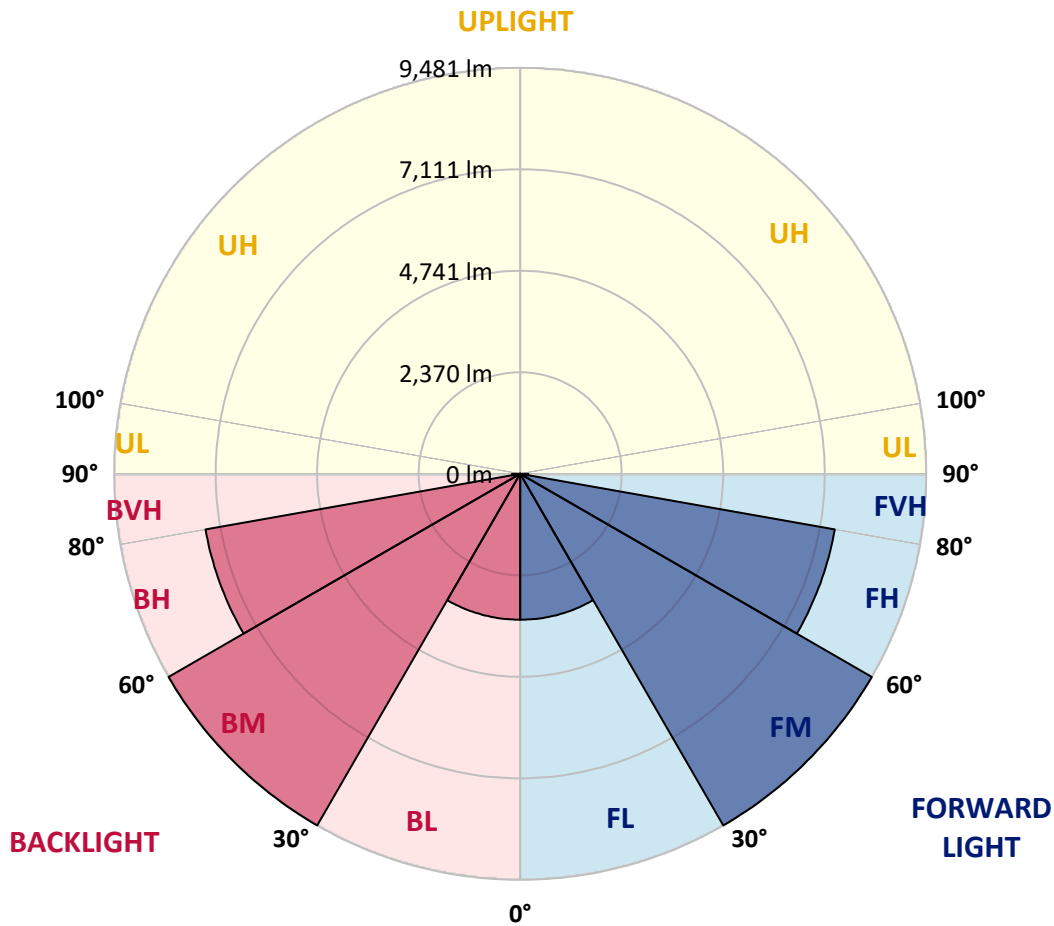
REPORT NUMBER: P944613  
 CATALOG NUMBER: GALN-SB9C-927-U-T1

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3407.0	8.3			
FM (30°-60°)	9481.2	23.1			
FH (60°-80°)	7461.4	18.2			G3/7500
FVH (80°-90°)	188.4	0.5			G2/225
BL (0°-30°)	3407.0	8.3	B4/5000		
BM (30°-60°)	9481.2	23.1	B5		
BH (60°-80°)	7461.4	18.2	B5		G5
BVH (80°-90°)	188.4	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type I Short



REPORT NUMBER: P944613  
 CATALOG NUMBER: GALN-SB9C-927-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7675.5	7675.5	7675.5	7675.5	7675.5	7675.5	7675.5	7675.5	7675.5	7675.5
2.5°	7682.0	7690.8	7690.8	7684.2	7699.5	7686.4	7686.4	7679.9	7686.4	7679.9
5°	7721.3	7732.2	7736.6	7734.4	7754.1	7743.2	7743.2	7734.4	7736.6	7730.1
7.5°	7795.6	7810.8	7819.6	7830.5	7858.9	7845.8	7837.0	7810.8	7799.9	7782.5
10°	7819.6	7837.0	7865.4	7922.2	7987.7	7989.8	7963.6	7898.2	7847.9	7808.6
12.5°	7745.3	7769.4	7828.3	7944.0	8090.3	8149.2	8107.7	7998.6	7900.3	7830.5
15°	7651.5	7677.7	7767.2	7941.8	8157.9	8295.5	8291.1	8147.0	7989.8	7880.7
17.5°	7505.2	7531.4	7660.2	7904.7	8210.3	8437.4	8498.5	8350.0	8129.6	7983.3
20°	7241.1	7265.1	7444.1	7786.8	8227.8	8588.0	8747.3	8616.4	8341.3	8142.6
22.5°	6898.3	6935.4	7145.0	7583.8	8186.3	8745.2	9031.1	8941.6	8588.0	8312.9
25°	6531.6	6570.9	6815.4	7334.9	8079.3	8858.7	9367.3	9310.6	8867.4	8524.7
27.5°	6215.0	6256.5	6522.9	7088.3	7913.4	8902.3	9699.1	9727.5	9205.8	8758.3
30°	5966.2	6005.5	6289.3	6889.6	7699.5	8858.7	9989.5	10186.0	9550.7	8961.3
32.5°	5693.3	5743.5	6042.6	6647.3	7446.3	8753.9	10242.7	10681.5	9950.2	9179.6
35°	5348.4	5394.2	5708.6	6315.5	7114.4	8585.8	10454.5	11231.6	10522.1	9511.4
37.5°	4929.3	4972.9	5285.1	5900.7	6784.8	8350.0	10616.0	11851.6	11203.2	9989.5
40°	4507.9	4549.4	4841.9	5437.9	6389.7	8048.8	10672.8	12458.5	11984.8	10646.6
42.5°	4121.5	4158.6	4427.2	4981.6	5946.5	7664.6	10598.5	12986.8	12685.5	11105.0
45°	3765.7	3798.4	4036.4	4553.8	5485.9	7197.4	10375.9	13554.3	13519.4	11432.5
47.5°	3359.7	3392.4	3639.1	4139.0	5025.3	6649.5	9998.2	14113.2	14678.6	12174.7
50°	2864.1	2892.5	3145.7	3660.9	4547.2	6066.6	9474.3	14552.0	16141.2	13298.9
52.5°	2276.9	2307.4	2554.1	3069.3	3979.6	5440.1	8784.5	14838.0	17830.9	14940.6
55°	1694.0	1715.9	1929.8	2392.6	3276.7	4726.2	7920.0	14918.7	19747.6	17184.7
57.5°	1229.0	1242.1	1379.7	1724.6	2484.3	3833.4	6870.0	14709.2	22028.8	20061.9
60°	995.5	999.8	1041.3	1194.1	1726.8	2824.8	5601.6	13988.8	24504.4	23770.9
62.5°	903.8	903.8	914.7	956.2	1167.9	1864.3	4067.0	12495.6	27158.9	28457.8
65°	840.5	840.5	844.8	864.5	921.2	1187.6	2567.2	10063.7	29396.5	33948.1
67.5°	783.7	785.9	783.7	790.3	823.0	877.6	1488.8	6950.7	30601.5	39637.0
70°	724.8	729.1	718.2	718.2	744.4	746.6	932.1	3811.5	29601.7	44404.7
72.5°	654.9	661.5	644.0	639.6	659.3	650.5	700.7	1829.4	25414.7	45828.1
75°	593.8	602.5	563.2	552.3	552.3	545.8	569.8	938.7	16494.9	37384.1
77.5°	539.2	556.7	493.4	458.4	449.7	430.1	465.0	574.1	7214.9	17551.4
80°	445.3	469.3	406.0	364.6	349.3	327.5	366.7	401.7	2145.9	4075.7
82.5°	331.8	342.7	288.2	259.8	246.7	231.4	275.1	279.4	698.6	1443.0
85°	211.8	216.1	176.8	152.8	146.3	139.7	174.6	152.8	266.3	1060.9
87.5°	74.2	85.1	67.7	61.1	65.5	54.6	80.8	45.8	74.2	748.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7675.5  
7679.9  
7730.1  
7782.5  
7802.1  
7819.6  
7863.2  
7959.3  
8105.5  
8262.7  
8454.8  
8684.0  
8854.3  
9044.2  
9360.8  
9788.6  
10432.6  
10829.9  
11061.3  
11746.8  
12761.9  
14279.1  
16357.3  
19020.6  
22458.9  
26700.5  
31725.8  
37237.9  
43773.8  
47487.1  
39986.3  
17186.9  
3903.2  
1630.7  
1541.2  
927.8  
0.0

OF REPORT)