

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: P942463

Luminaire Tested: **GALN-SB6C-727-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942463
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-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41671 lumens
Efficiency: N/A
Efficacy: 138.5 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

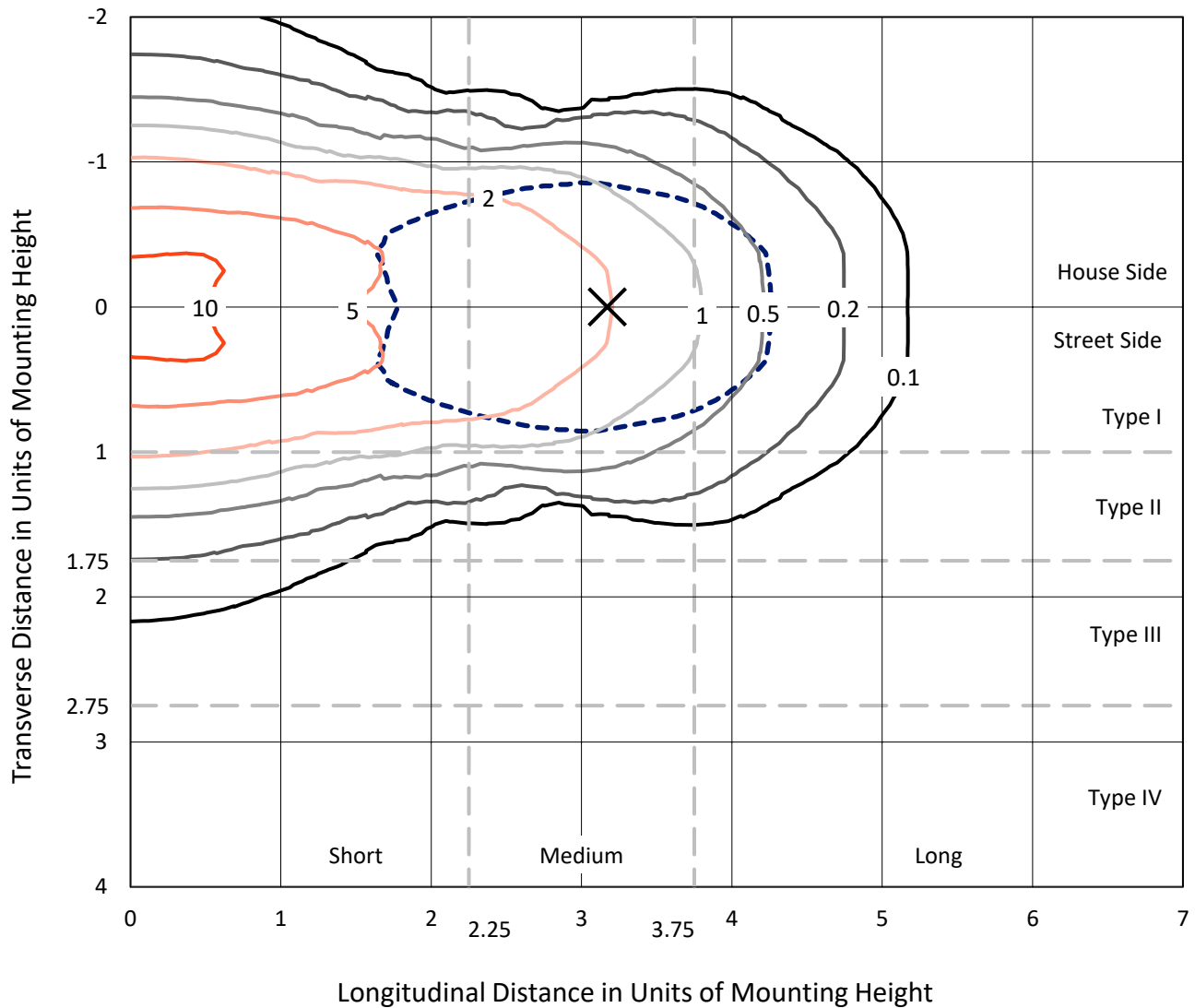


REPORT NUMBER: P942463

CATALOG NUMBER: GALN-SB6C-727-U-T1

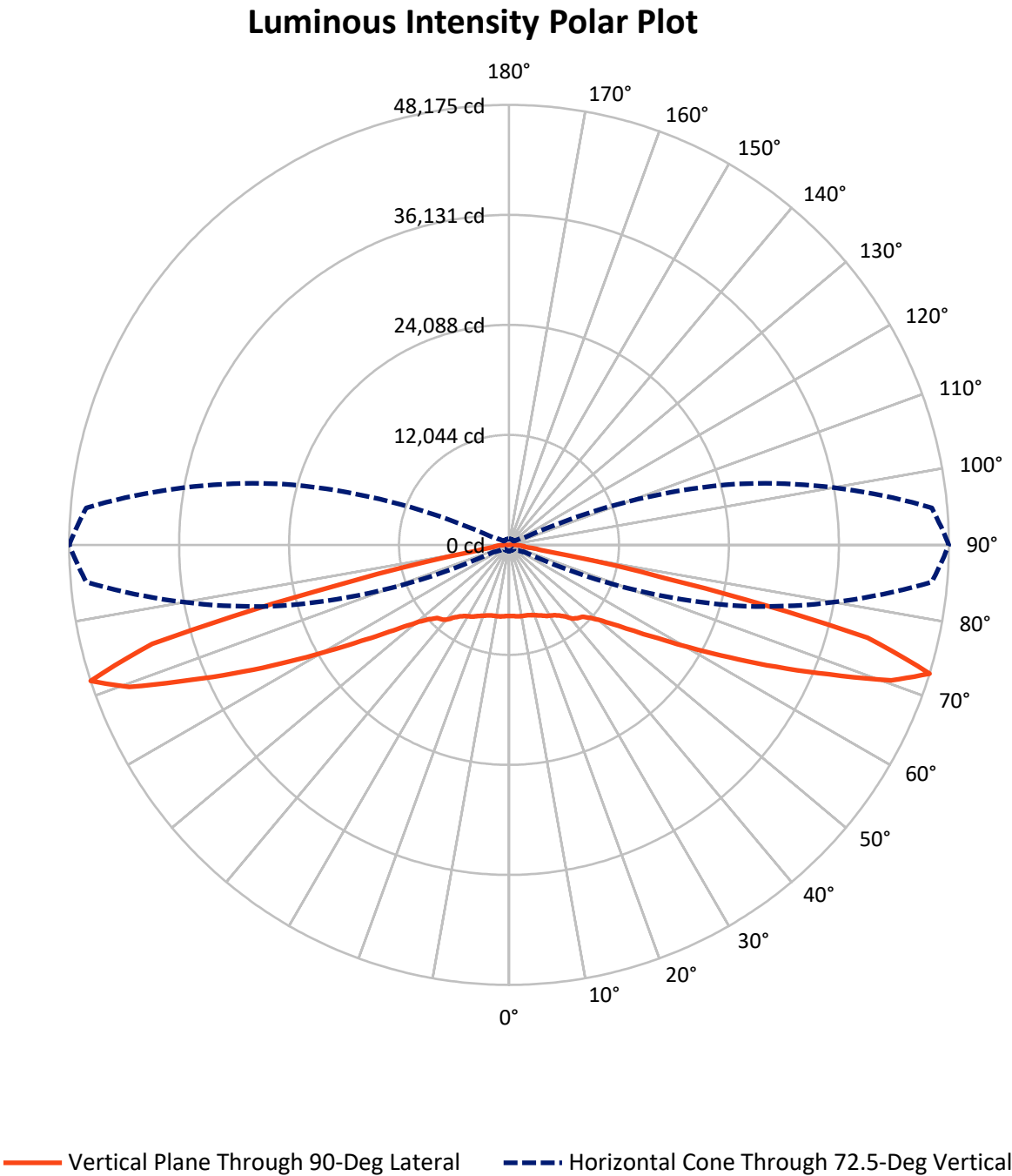
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 fc
Type I - Short - N/A

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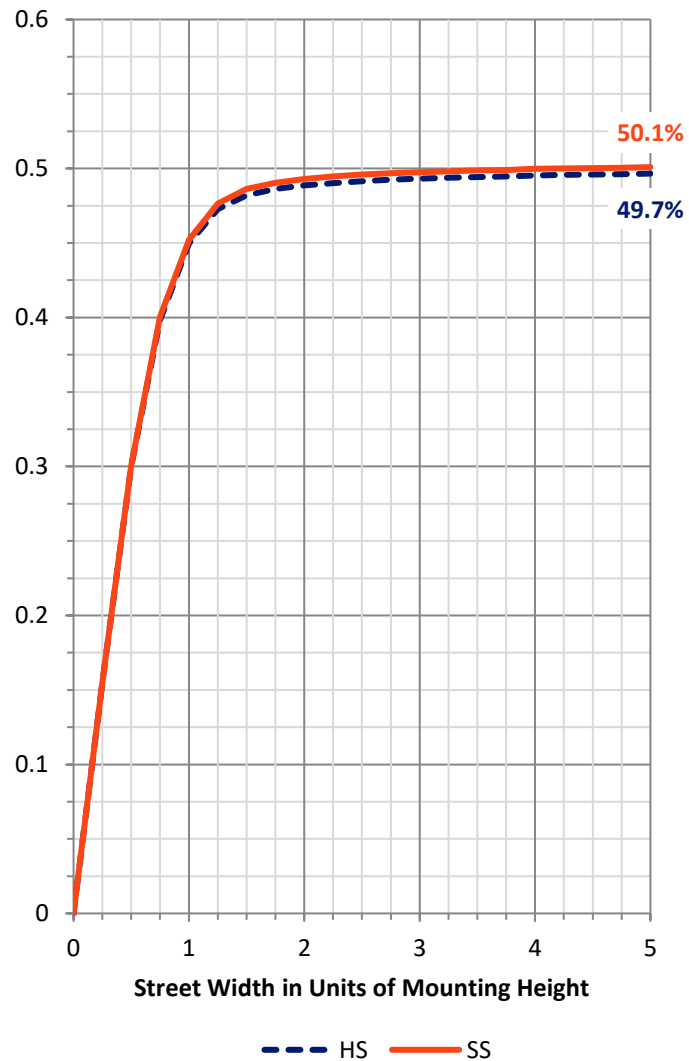
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20835.5	0.0	20835.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20835.5	0.0	20835.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	41671.0	0.0	41671.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	755.0	1.8
10°-20°	2308.5	5.5
20°-30°	3849.3	9.2
30°-40°	5293.9	12.7
40°-50°	6465.3	15.5
50°-60°	7477.8	17.9
60°-70°	8916.1	21.4
70°-80°	6222.8	14.9
80°-90°	382.2	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°	41671.0	100.0
0°-180°	41671.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942463

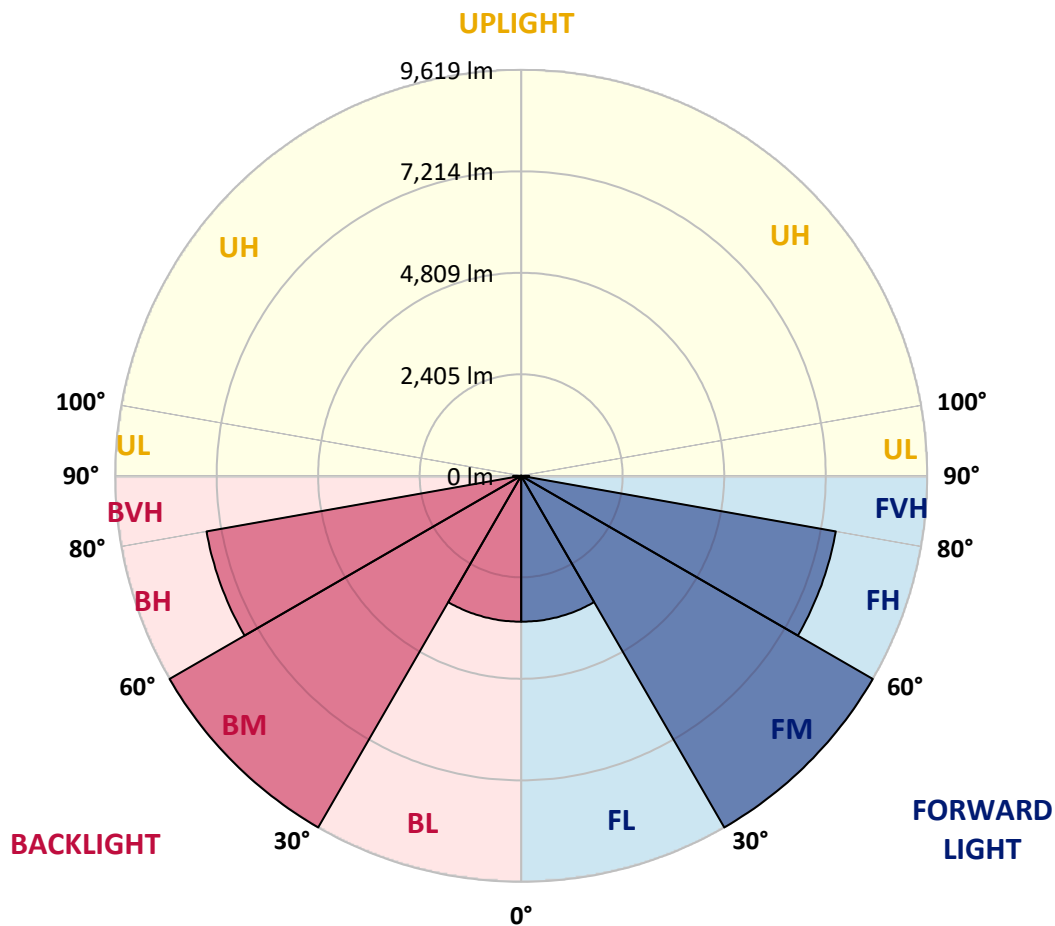
CATALOG NUMBER: GALN-SB6C-727-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3456.4	8.3			
FM	(30°-60°)	9618.5	23.1			
FH	(60°-80°)	7569.5	18.2			G4/12000
FVH	(80°-90°)	191.1	0.5			G2/225
BL	(0°-30°)	3456.4	8.3	B4/5000		
BM	(30°-60°)	9618.5	23.1	B5		
BH	(60°-80°)	7569.5	18.2	B5		G5
BVH	(80°-90°)	191.1	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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CATALOG NUMBER: GALN-SB6C-727-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7786.7	7786.7	7786.7	7786.7	7786.7	7786.7	7786.7	7786.7	7786.7	7786.7	7786.7
2.5°	7793.3	7802.2	7802.2	7795.5	7811.0	7797.7	7797.7	7791.1	7797.7	7791.1	7791.1
5°	7833.2	7844.2	7848.7	7846.5	7866.4	7855.3	7855.3	7846.5	7848.7	7842.0	7842.0
7.5°	7908.5	7924.0	7932.8	7943.9	7972.7	7959.4	7950.5	7924.0	7912.9	7895.2	7895.2
10°	7932.8	7950.5	7979.3	8036.9	8103.4	8105.6	8079.0	8012.6	7961.6	7921.8	7915.1
12.5°	7857.5	7881.9	7941.7	8059.1	8207.4	8267.2	8225.2	8114.4	8014.8	7943.9	7932.8
15°	7762.3	7788.9	7879.7	8056.9	8276.1	8415.6	8411.2	8265.0	8105.6	7994.8	7977.1
17.5°	7613.9	7640.5	7771.2	8019.2	8329.3	8559.6	8621.6	8471.0	8247.3	8098.9	8074.6
20°	7346.0	7370.3	7551.9	7899.6	8347.0	8712.4	8874.1	8741.2	8462.1	8260.6	8222.9
22.5°	6998.3	7035.9	7248.5	7693.7	8304.9	8871.8	9162.0	9071.2	8712.4	8433.3	8382.4
25°	6626.2	6666.1	6914.1	7441.2	8196.4	8987.0	9503.0	9445.4	8995.9	8648.2	8577.3
27.5°	6305.1	6347.2	6617.3	7190.9	8028.1	9031.3	9839.6	9868.4	9339.1	8885.1	8809.8
30°	6052.6	6092.5	6380.4	6989.4	7811.0	8987.0	10134.2	10333.5	9689.0	9091.1	8982.6
32.5°	5775.8	5826.7	6130.1	6743.6	7554.1	8880.7	10391.1	10836.2	10094.3	9312.6	9175.2
35°	5425.9	5472.4	5791.3	6406.9	7217.5	8710.2	10605.9	11394.3	10674.6	9649.2	9496.4
37.5°	5000.7	5044.9	5361.6	5986.2	6883.1	8471.0	10769.8	12023.3	11365.5	10134.2	9930.4
40°	4573.2	4615.3	4912.1	5516.7	6482.2	8165.4	10827.4	12638.9	12158.4	10800.8	10583.8
42.5°	4181.2	4218.9	4491.3	5053.8	6032.7	7775.6	10752.1	13174.9	12869.3	11265.9	10986.8
45°	3820.3	3853.5	4094.9	4619.7	5565.4	7301.7	10526.2	13750.7	13715.3	11598.1	11221.6
47.5°	3408.3	3441.5	3691.8	4199.0	5098.1	6745.8	10143.0	14317.6	14891.2	12351.0	11917.0
50°	2905.6	2934.4	3191.3	3713.9	4613.1	6154.5	9611.5	14762.8	16375.0	13491.6	12946.8
52.5°	2309.9	2340.9	2591.1	3113.8	4037.3	5518.9	8911.7	15052.9	18089.2	15157.0	14485.9
55°	1718.6	1740.7	1957.7	2427.2	3324.2	4794.7	8034.7	15134.8	20033.6	17433.6	16594.3
57.5°	1246.8	1260.1	1399.7	1749.6	2520.3	3888.9	6969.5	14922.2	22347.9	20352.5	19296.1
60°	1009.9	1014.3	1056.4	1211.4	1751.8	2865.7	5682.8	14191.4	24859.3	24115.2	22784.2
62.5°	916.9	916.9	927.9	970.0	1184.8	1891.3	4125.9	12676.6	27552.3	28870.0	27087.2
65°	852.6	852.6	857.1	877.0	934.6	1204.8	2604.4	10209.5	29822.3	34439.8	32185.3
67.5°	795.1	797.3	795.1	801.7	834.9	890.3	1510.4	7051.4	31044.8	40211.2	37777.3
70°	735.3	739.7	728.6	728.6	755.2	757.4	945.7	3866.8	30030.5	45047.9	44407.9
72.5°	664.4	671.0	653.3	648.9	668.8	660.0	710.9	1855.9	25782.8	46491.9	48175.0
75°	602.4	611.2	571.4	560.3	560.3	553.7	578.0	952.3	16733.8	37925.7	40565.5
77.5°	547.0	564.7	500.5	465.1	456.2	436.3	471.7	582.4	7319.4	17805.7	17435.8
80°	451.8	476.1	411.9	369.8	354.3	332.2	372.1	407.5	2177.0	4134.7	3959.8
82.5°	336.6	347.7	292.3	263.5	250.3	234.8	279.0	283.5	708.7	1463.9	1654.3
85°	214.8	219.2	179.4	155.0	148.4	141.7	177.2	155.0	270.2	1076.3	1563.5
87.5°	75.3	86.4	68.7	62.0	66.4	55.4	81.9	46.5	75.3	759.6	941.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)