

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: P942693

Luminaire Tested: **GALN-SB6D-827-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942693
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-SB6D-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53083 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

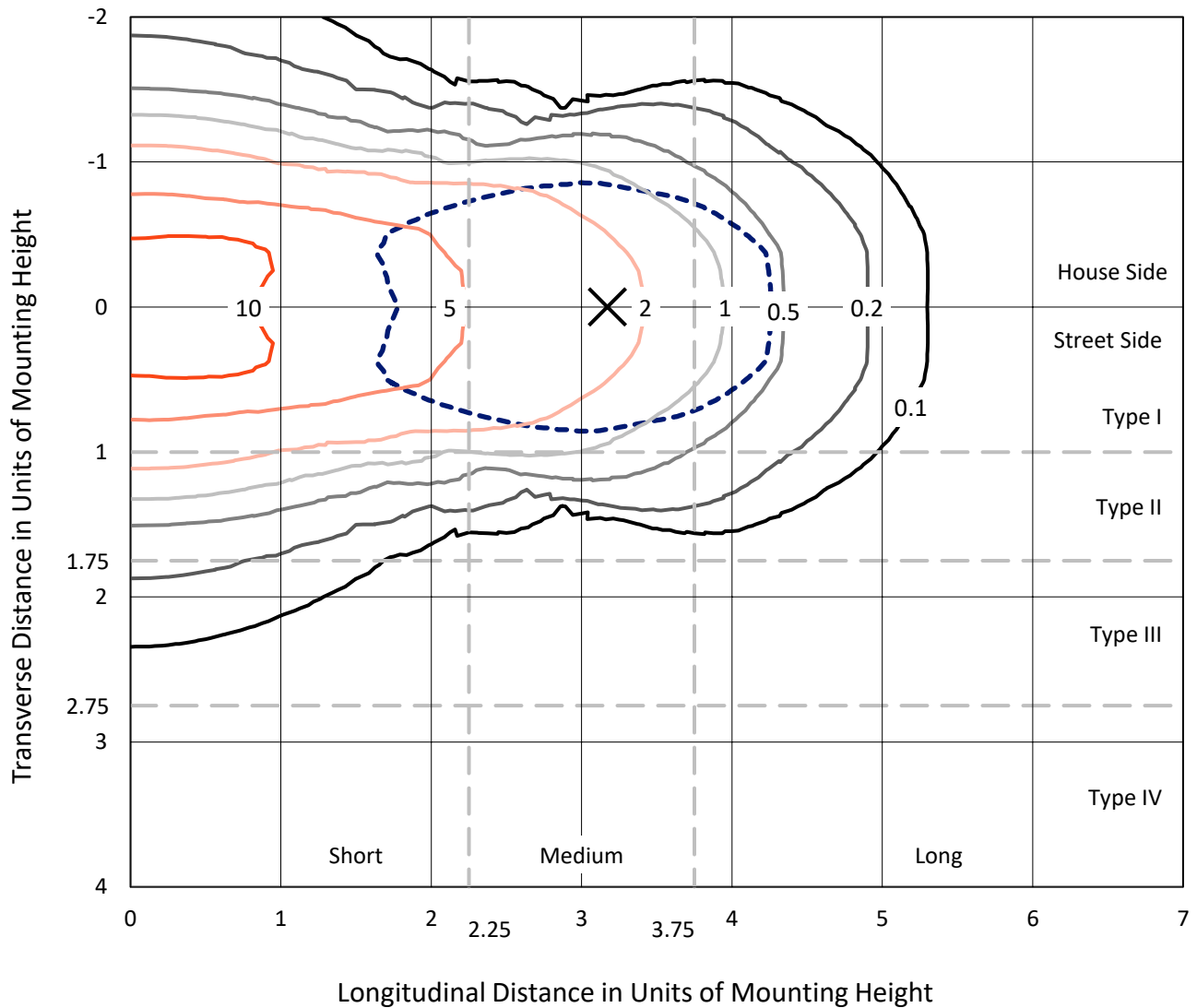
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942693
 CATALOG NUMBER: GALN-SB6D-827-U-T1

Iso-Footcandle Lines of Horizontal Illumination

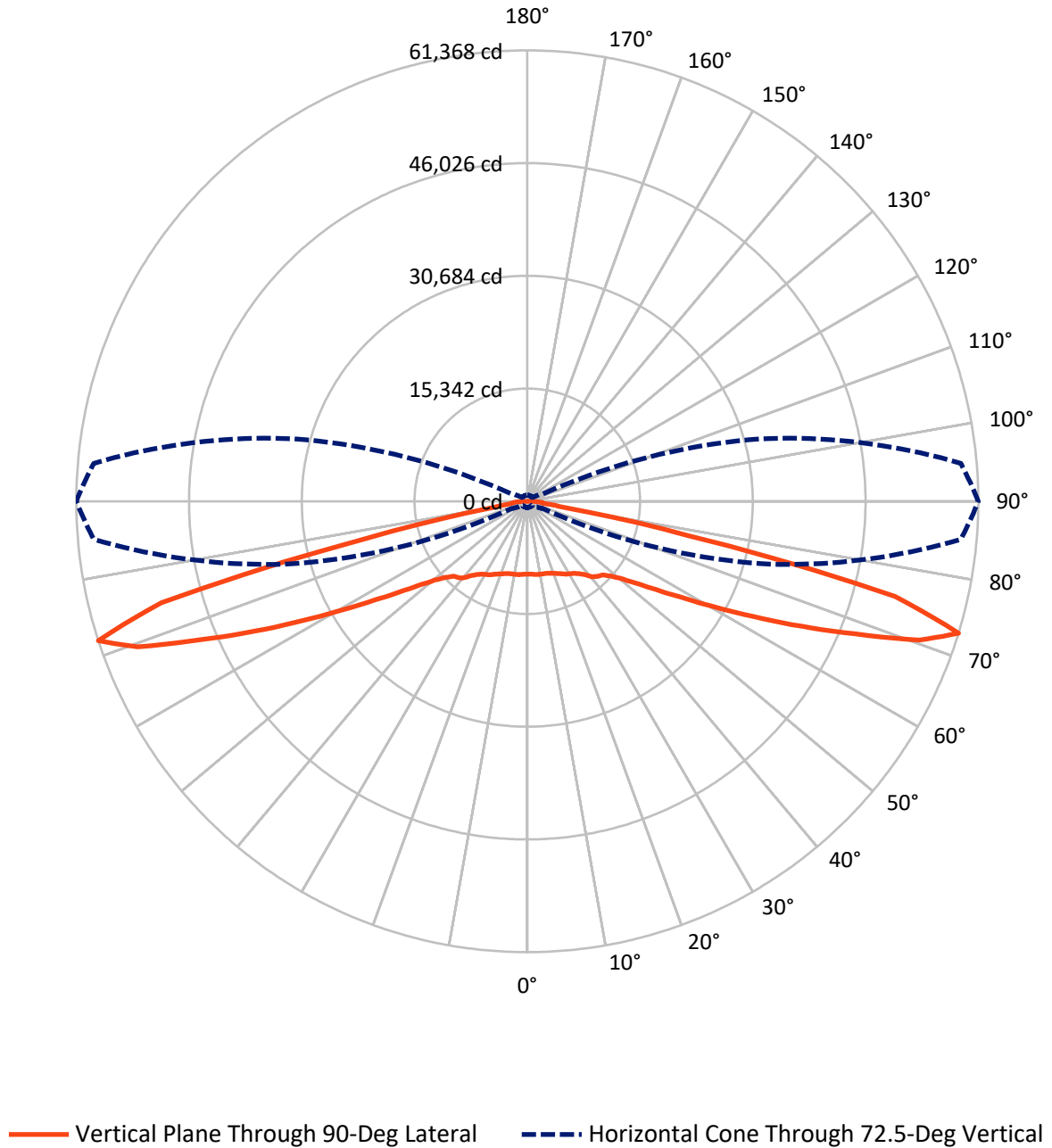
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.9 fc
 Type I - Short - N/A

REPORT NUMBER: P942693
CATALOG NUMBER: GALN-SB6D-827-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P942693

CATALOG NUMBER: GALN-SB6D-827-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26541.5	0.0	26541.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26541.5	0.0	26541.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	53083.0	0.0	53083.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	961.8	1.8
10°-20°	2940.7	5.5
20°-30°	4903.4	9.2
30°-40°	6743.7	12.7
40°-50°	8235.9	15.5
50°-60°	9525.7	17.9
60°-70°	11357.8	21.4
70°-80°	7927.0	14.9
80°-90°	486.9	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°	53083.0	100.0
0°-180°	53083.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942693

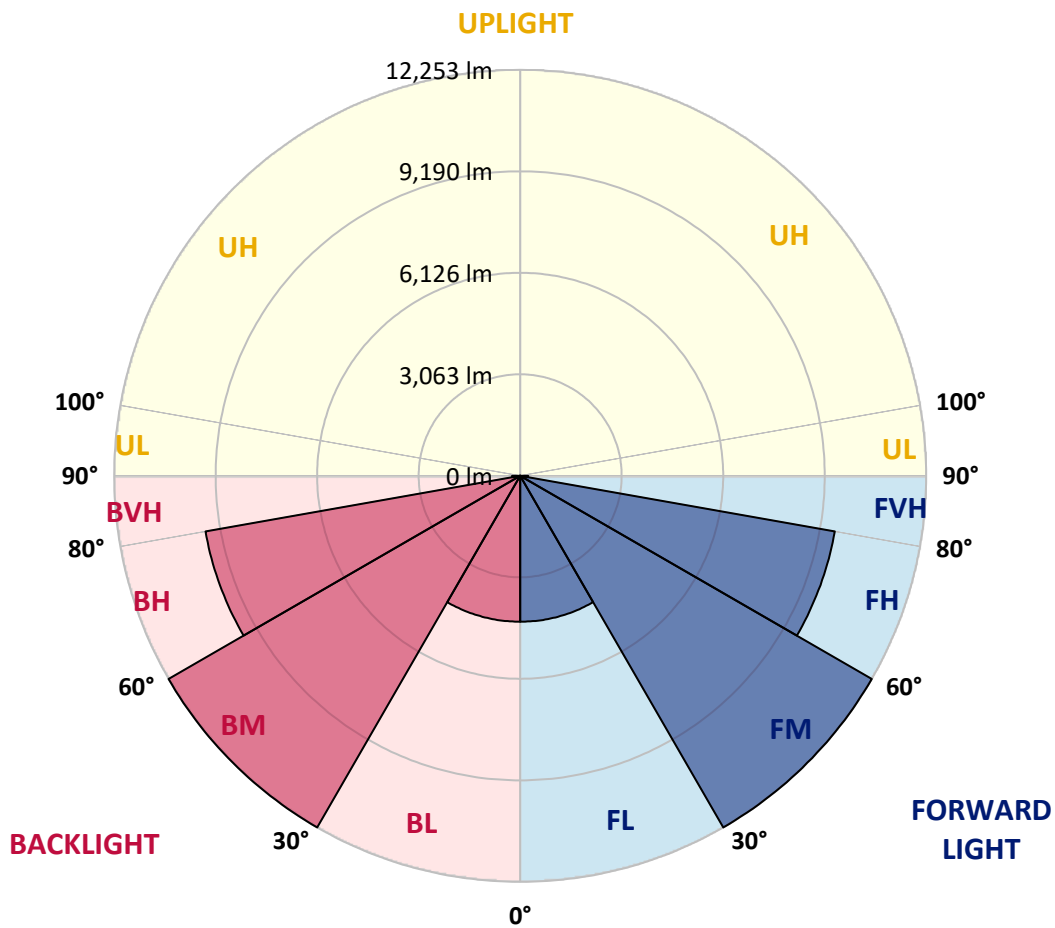
CATALOG NUMBER: GALN-SB6D-827-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4403.0	8.3			
FM (30°-60°)	12252.7	23.1			
FH (60°-80°)	9642.4	18.2			G4/12000
FVH (80°-90°)	243.4	0.5			G3/500
BL (0°-30°)	4403.0	8.3	B4/5000		
BM (30°-60°)	12252.7	23.1	B5		
BH (60°-80°)	9642.4	18.2	B5		G5
BVH (80°-90°)	243.4	0.5			G3/500
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: P942693

CATALOG NUMBER: GALN-SB6D-827-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9919.1	9919.1	9919.1	9919.1	9919.1	9919.1	9919.1	9919.1	9919.1	9919.1
2.5°	9927.6	9938.9	9938.9	9930.4	9950.2	9933.2	9933.2	9924.8	9933.2	9924.8
5°	9978.4	9992.5	9998.1	9995.3	10020.7	10006.6	10006.6	9995.3	9998.1	9989.6
7.5°	10074.3	10094.0	10105.3	10119.4	10156.1	10139.2	10127.9	10094.0	10079.9	10057.4
10°	10105.3	10127.9	10164.6	10237.9	10322.5	10325.4	10291.5	10206.9	10142.0	10091.2
12.5°	10009.4	10040.4	10116.6	10266.1	10455.1	10531.3	10477.7	10336.6	10209.7	10119.4
15°	9888.1	9921.9	10037.6	10263.3	10542.6	10720.3	10714.7	10528.5	10325.4	10184.3
17.5°	9699.1	9732.9	9899.4	10215.3	10610.3	10903.7	10982.7	10790.9	10505.9	10316.9
20°	9357.7	9388.7	9620.1	10063.0	10632.9	11098.4	11304.3	11135.0	10779.6	10522.8
22.5°	8914.8	8962.8	9233.6	9800.6	10579.3	11301.5	11671.0	11555.4	11098.4	10742.9
25°	8440.8	8491.6	8807.6	9479.0	10441.0	11448.2	12105.5	12032.2	11459.5	11016.5
27.5°	8031.8	8085.4	8429.6	9160.2	10226.6	11504.6	12534.3	12571.0	11896.7	11318.4
30°	7710.2	7760.9	8127.7	8903.5	9950.2	11448.2	12909.5	13163.4	12342.5	11580.8
32.5°	7357.5	7422.4	7808.9	8590.4	9622.9	11312.8	13236.8	13803.8	12858.7	11862.9
35°	6911.8	6971.0	7377.3	8161.6	9194.1	11095.5	13510.4	14514.8	13597.9	12291.7
37.5°	6370.1	6426.6	6830.0	7625.5	8768.1	10790.9	13719.2	15316.0	14478.1	12909.5
40°	5825.6	5879.3	6257.3	7027.5	8257.5	10401.5	13792.5	16100.2	15488.0	13758.7
42.5°	5326.3	5374.3	5721.3	6437.8	7684.8	9905.0	13696.6	16782.9	16393.6	14351.1
45°	4866.5	4908.8	5216.3	5884.9	7089.5	9301.3	13408.9	17516.4	17471.3	14774.3
47.5°	4341.7	4384.0	4702.8	5348.9	6494.3	8593.2	12920.8	18238.7	18969.3	15733.5
50°	3701.3	3738.0	4065.3	4731.0	5876.4	7839.9	12243.7	18805.7	20859.5	17186.4
52.5°	2942.4	2981.9	3300.7	3966.5	5142.9	7030.3	11352.3	19175.3	23043.0	19307.9
55°	2189.2	2217.4	2493.9	3092.0	4234.5	6107.8	10235.1	19279.7	25520.0	22208.0
57.5°	1588.3	1605.2	1783.0	2228.7	3210.5	4953.9	8878.1	19008.8	28468.1	25926.3
60°	1286.4	1292.1	1345.7	1543.2	2231.5	3650.6	7239.0	18077.8	31667.3	30719.4
62.5°	1168.0	1168.0	1182.1	1235.7	1509.3	2409.3	5255.8	16148.2	35097.8	36776.3
65°	1086.1	1086.1	1091.8	1117.2	1190.5	1534.7	3317.7	13005.4	37989.4	43871.5
67.5°	1012.8	1015.6	1012.8	1021.3	1063.6	1134.1	1924.0	8982.5	39546.7	51223.4
70°	936.6	942.3	928.2	928.2	962.0	964.8	1204.6	4925.7	38254.6	57384.8
72.5°	846.3	854.8	832.2	826.6	852.0	840.7	905.6	2364.1	32843.7	59224.1
75°	767.3	778.6	727.9	713.7	713.7	705.3	736.3	1213.1	21316.5	48312.0
77.5°	696.8	719.4	637.6	592.4	581.2	555.8	600.9	742.0	9323.9	22681.9
80°	575.5	606.5	524.7	471.1	451.4	423.2	474.0	519.1	2773.2	5267.1
82.5°	428.8	442.9	372.4	335.7	318.8	299.0	355.5	361.1	902.8	1864.8
85°	273.7	279.3	228.5	197.5	189.0	180.6	225.7	197.5	344.2	1371.1
87.5°	95.9	110.0	87.5	79.0	84.6	70.5	104.4	59.2	95.9	967.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

9919.1
9924.8
9989.6
10057.4
10082.7
10105.3
10161.7
10285.9
10474.9
10678.0
10926.3
11222.5
11442.5
11688.0
12097.0
12650.0
13482.2
13995.7
14294.7
15180.5
16492.4
18453.1
21138.8
24580.6
29023.9
34505.3
40999.6
48123.0
56569.4
61368.2
51674.8
22210.8
5044.2
2107.4
1991.7
1199.0
0.0

OF REPORT)