

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: P944563

Luminaire Tested: **GALN-SB9C-827-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944563
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-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 58679 lumens
Efficiency: N/A
Efficacy: 130.5 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

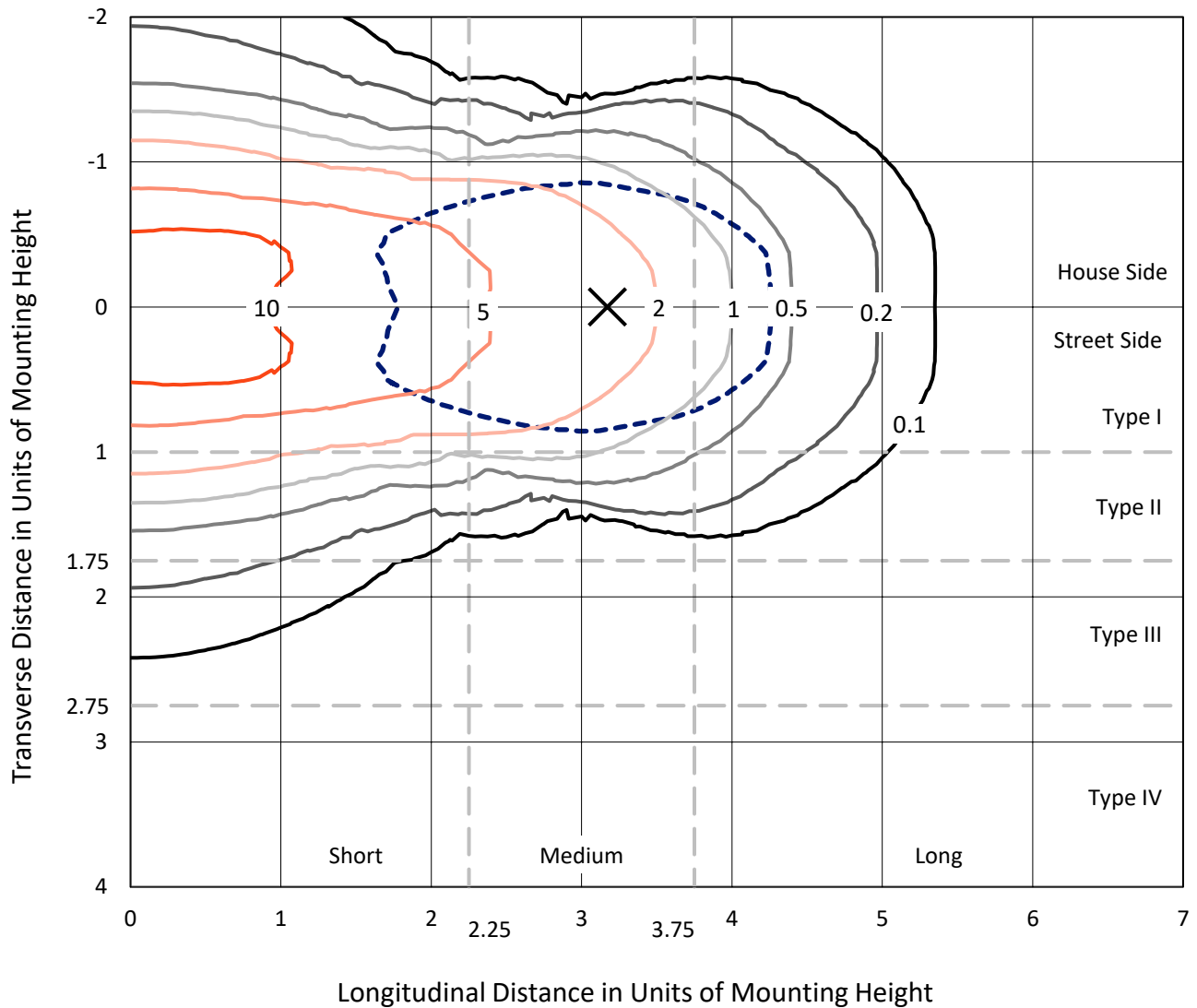
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P944563
 CATALOG NUMBER: GALN-SB9C-827-U-T1

Iso-Footcandle Lines of Horizontal Illumination

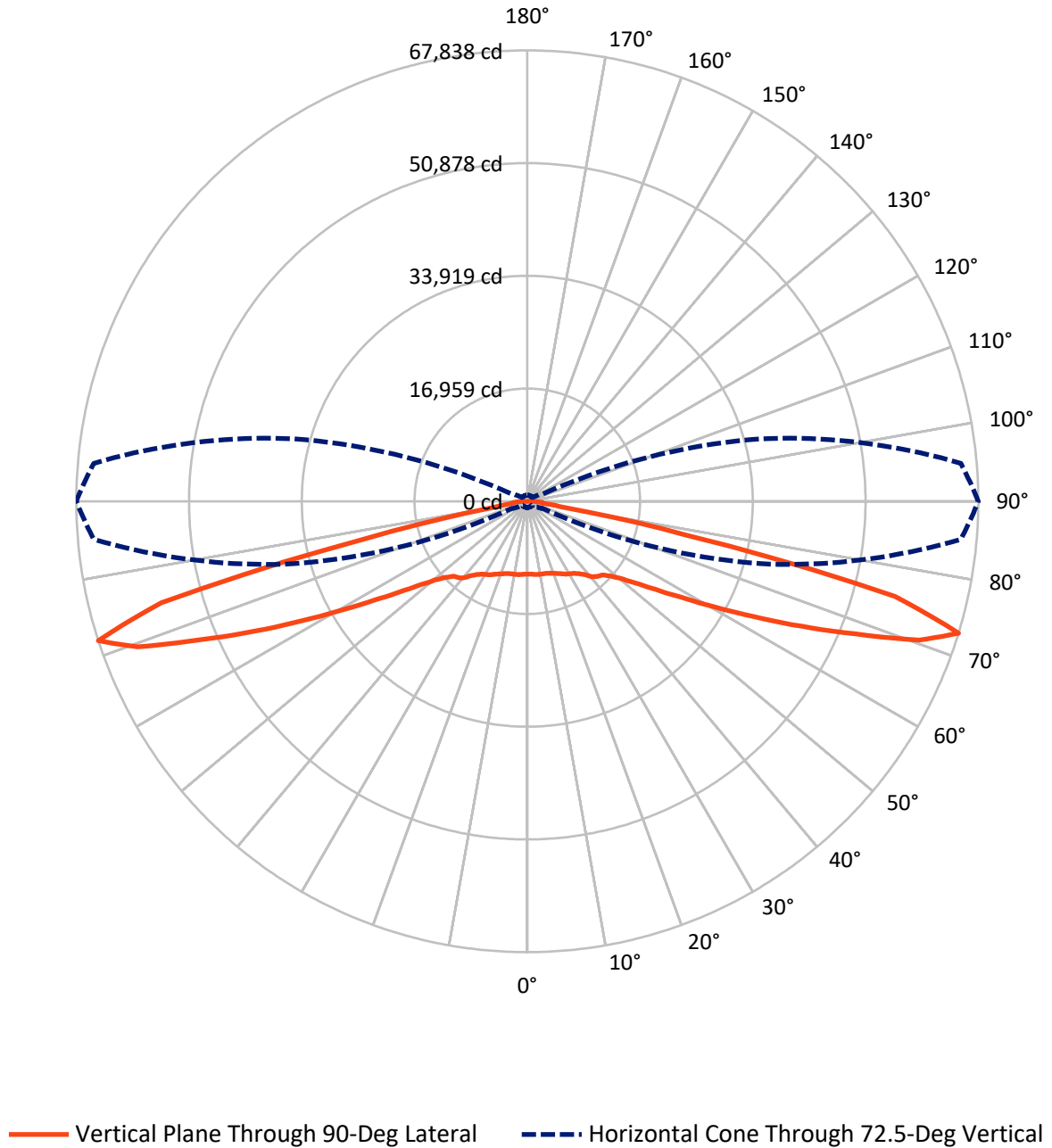
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.5 fc
 Type I - Short - N/A

REPORT NUMBER: P944563
CATALOG NUMBER: GALN-SB9C-827-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P944563
 CATALOG NUMBER: GALN-SB9C-827-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29339.5	0.0	29339.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29339.5	0.0	29339.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	58679.0	0.0	58679.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1063.2	1.8
10°-20°	3250.7	5.5
20°-30°	5420.3	9.2
30°-40°	7454.6	12.7
40°-50°	9104.1	15.5
50°-60°	10529.9	17.9
60°-70°	12555.2	21.4
70°-80°	8762.7	14.9
80°-90°	538.2	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°	58679.0	100.0
0°-180°	58679.0	100.0

Coefficient of Utilization



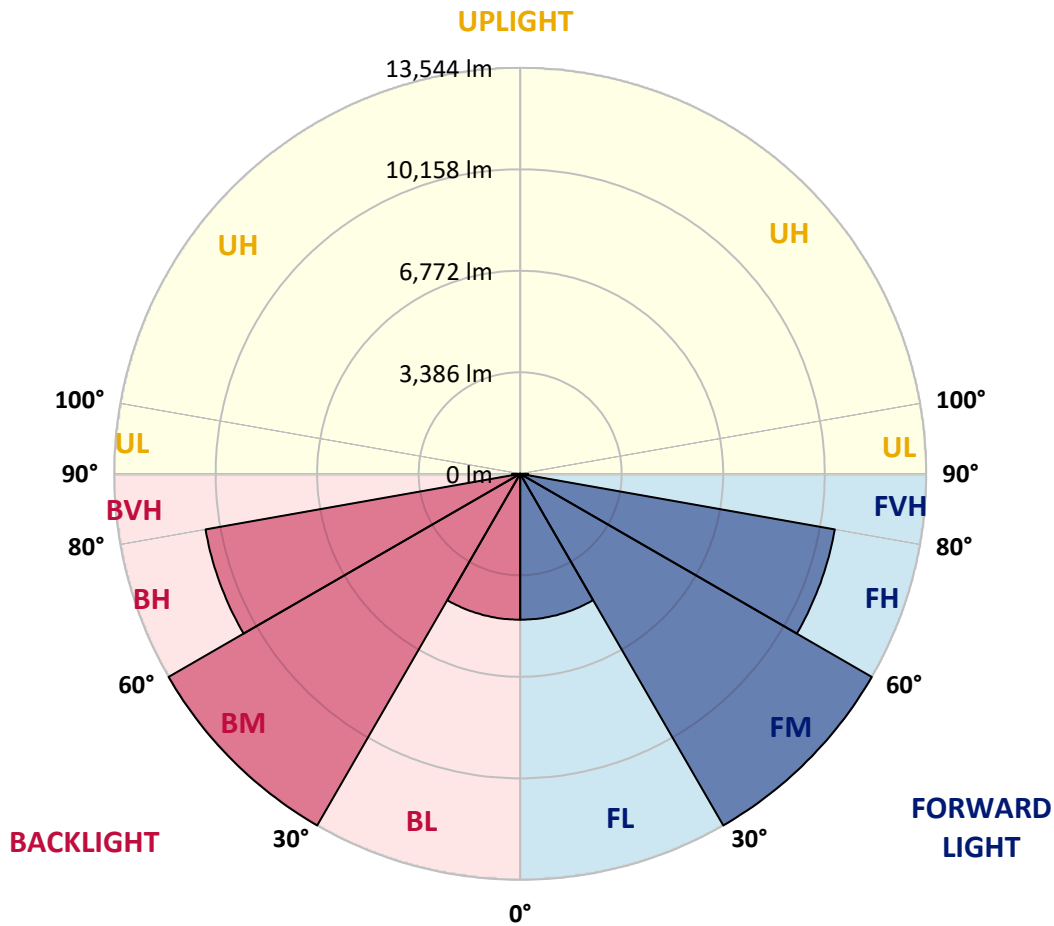
REPORT NUMBER: P944563
 CATALOG NUMBER: GALN-SB9C-827-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4867.1	8.3			
FM (30°-60°)	13544.3	23.1			
FH (60°-80°)	10658.9	18.2			G4/12000
FVH (80°-90°)	269.1	0.5			G3/500
BL (0°-30°)	4867.1	8.3	B4/5000		
BM (30°-60°)	13544.3	23.1	B5		
BH (60°-80°)	10658.9	18.2	B5		G5
BVH (80°-90°)	269.1	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: P944563
 CATALOG NUMBER: GALN-SB9C-827-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10964.8	10964.8	10964.8	10964.8	10964.8	10964.8	10964.8	10964.8	10964.8	10964.8
2.5°	10974.1	10986.6	10986.6	10977.3	10999.1	10980.4	10980.4	10971.0	10980.4	10971.0
5°	11030.3	11045.9	11052.1	11049.0	11077.1	11061.5	11061.5	11049.0	11052.1	11042.8
7.5°	11136.3	11158.1	11170.6	11186.2	11226.7	11208.0	11195.6	11158.1	11142.5	11117.6
10°	11170.6	11195.6	11236.1	11317.2	11410.7	11413.9	11376.4	11282.9	11211.2	11155.0
12.5°	11064.6	11098.9	11183.1	11348.4	11557.3	11641.5	11582.3	11426.3	11286.0	11186.2
15°	10930.5	10967.9	11095.8	11345.3	11654.0	11850.5	11844.2	11638.4	11413.9	11257.9
17.5°	10721.5	10759.0	10943.0	11292.2	11728.8	12053.2	12140.5	11928.4	11613.4	11404.5
20°	10344.2	10378.5	10634.2	11123.8	11753.8	12268.3	12496.0	12308.9	11915.9	11632.2
22.5°	9854.6	9907.6	10207.0	10833.8	11694.5	12492.9	12901.4	12773.5	12268.3	11875.4
25°	9330.7	9386.8	9736.1	10478.3	11541.7	12655.0	13381.7	13300.6	12667.5	12177.9
27.5°	8878.5	8937.7	9318.2	10125.9	11304.7	12717.4	13855.7	13896.2	13150.9	12511.6
30°	8523.0	8579.1	8984.5	9842.1	10999.1	12655.0	14270.4	14551.1	13643.6	12801.6
32.5°	8133.2	8204.9	8632.1	9496.0	10637.3	12505.3	14632.2	15259.0	14214.3	13113.5
35°	7640.4	7705.9	8155.0	9021.9	10163.3	12265.2	14934.7	16044.9	15031.4	13587.5
37.5°	7041.7	7104.0	7550.0	8429.4	9692.4	11928.4	15165.5	16930.6	16004.4	14270.4
40°	6439.8	6499.0	6916.9	7768.3	9128.0	11498.1	15246.5	17797.5	17120.8	15209.1
42.5°	5887.8	5940.8	6324.4	7116.5	8494.9	10949.2	15140.5	18552.2	18121.8	15864.0
45°	5379.5	5426.3	5766.2	6505.3	7836.9	10281.8	14822.4	19363.0	19313.1	16331.8
47.5°	4799.4	4846.2	5198.6	5912.8	7178.9	9499.1	14282.9	20161.4	20969.1	17392.1
50°	4091.5	4132.1	4493.8	5229.8	6495.9	8666.4	13534.5	20788.2	23058.5	18998.2
52.5°	3252.6	3296.3	3648.7	4384.7	5685.1	7771.4	12549.0	21196.7	25472.2	21343.3
55°	2420.0	2451.2	2756.8	3417.9	4680.9	6751.6	11314.1	21312.1	28210.3	24549.2
57.5°	1755.7	1774.4	1970.9	2463.6	3548.9	5476.2	9814.0	21012.7	31469.2	28659.4
60°	1422.1	1428.3	1487.5	1705.8	2466.8	4035.4	8002.2	19983.6	35005.6	33957.8
62.5°	1291.1	1291.1	1306.7	1365.9	1668.4	2663.2	5809.8	17850.5	38797.8	40653.3
65°	1200.6	1200.6	1206.9	1234.9	1316.0	1696.5	3667.4	14376.5	41994.3	48496.4
67.5°	1119.6	1122.7	1119.6	1128.9	1175.7	1253.7	2126.8	9929.4	43715.7	56623.4
70°	1035.4	1041.6	1026.0	1026.0	1063.4	1066.5	1331.6	5445.0	42287.4	63434.2
72.5°	935.6	944.9	920.0	913.7	941.8	929.3	1001.1	2613.3	36306.1	65467.5
75°	848.2	860.7	804.6	789.0	789.0	779.6	813.9	1341.0	23563.7	53405.0
77.5°	770.3	795.2	704.8	654.9	642.4	614.4	664.2	820.2	10306.8	25073.1
80°	636.2	670.5	580.0	520.8	499.0	467.8	523.9	573.8	3065.5	5822.3
82.5°	474.0	489.6	411.6	371.1	352.4	330.6	392.9	399.2	997.9	2061.4
85°	302.5	308.7	252.6	218.3	208.9	199.6	249.5	218.3	380.5	1515.6
87.5°	106.0	121.6	96.7	87.3	93.6	78.0	115.4	65.5	106.0	1069.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

10964.8
10971.0
11042.8
11117.6
11145.7
11170.6
11233.0
11370.2
11579.1
11803.7
12078.1
12405.6
12648.8
12920.1
13372.3
13983.5
14903.5
15471.1
15801.6
16780.9
18231.0
20398.4
23367.2
27171.8
32083.6
38142.9
45321.8
53196.1
62533.0
67837.6
57122.3
24552.3
5576.0
2329.6
2201.7
1325.4
0.0

OF REPORT)