

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: P940483

Luminaire Tested: **GALN-SB3C-827-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940483
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-SB3C-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 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: 19329 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

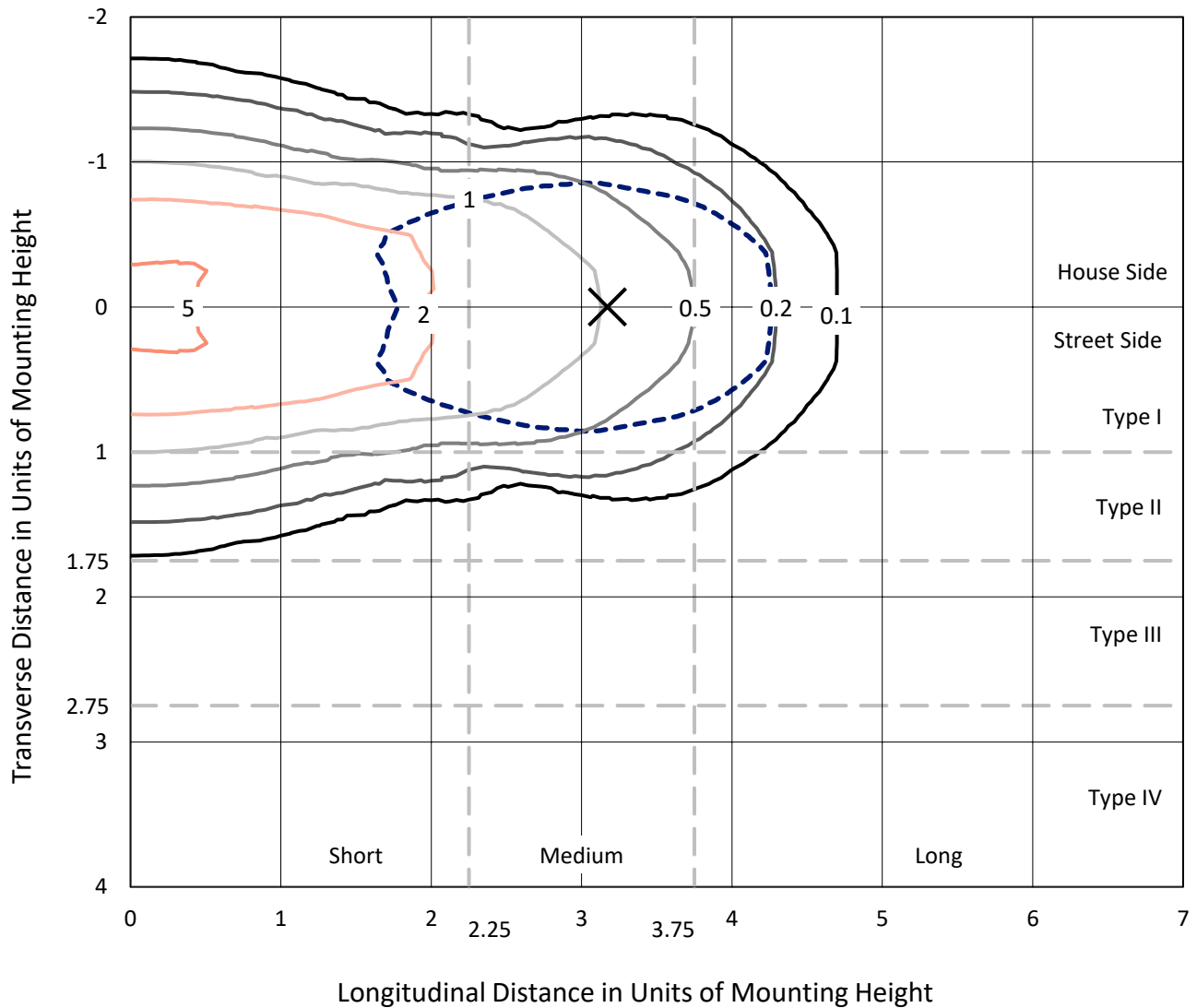
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940483
 CATALOG NUMBER: GALN-SB3C-827-U-T1

Iso-Footcandle Lines of Horizontal Illumination

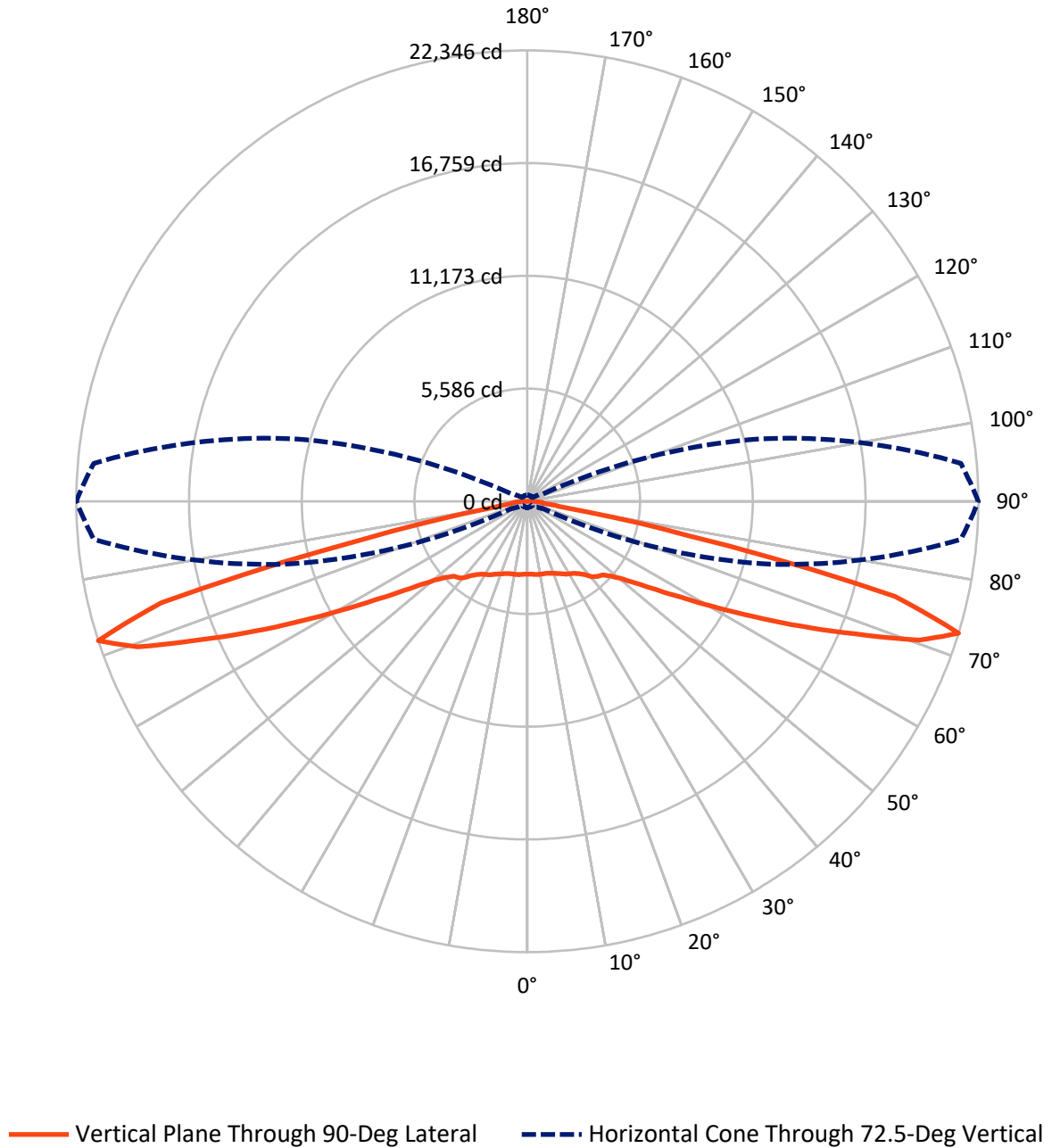
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type I - Short - N/A

REPORT NUMBER: P940483
CATALOG NUMBER: GALN-SB3C-827-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P940483
 CATALOG NUMBER: GALN-SB3C-827-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9664.5	0.0	9664.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9664.5	0.0	9664.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19329.0	0.0	19329.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.2	1.8
10°-20°	1070.8	5.5
20°-30°	1785.5	9.2
30°-40°	2455.6	12.7
40°-50°	2998.9	15.5
50°-60°	3468.6	17.9
60°-70°	4135.7	21.4
70°-80°	2886.4	14.9
80°-90°	177.3	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°	19329.0	100.0
0°-180°	19329.0	100.0

Coefficient of Utilization



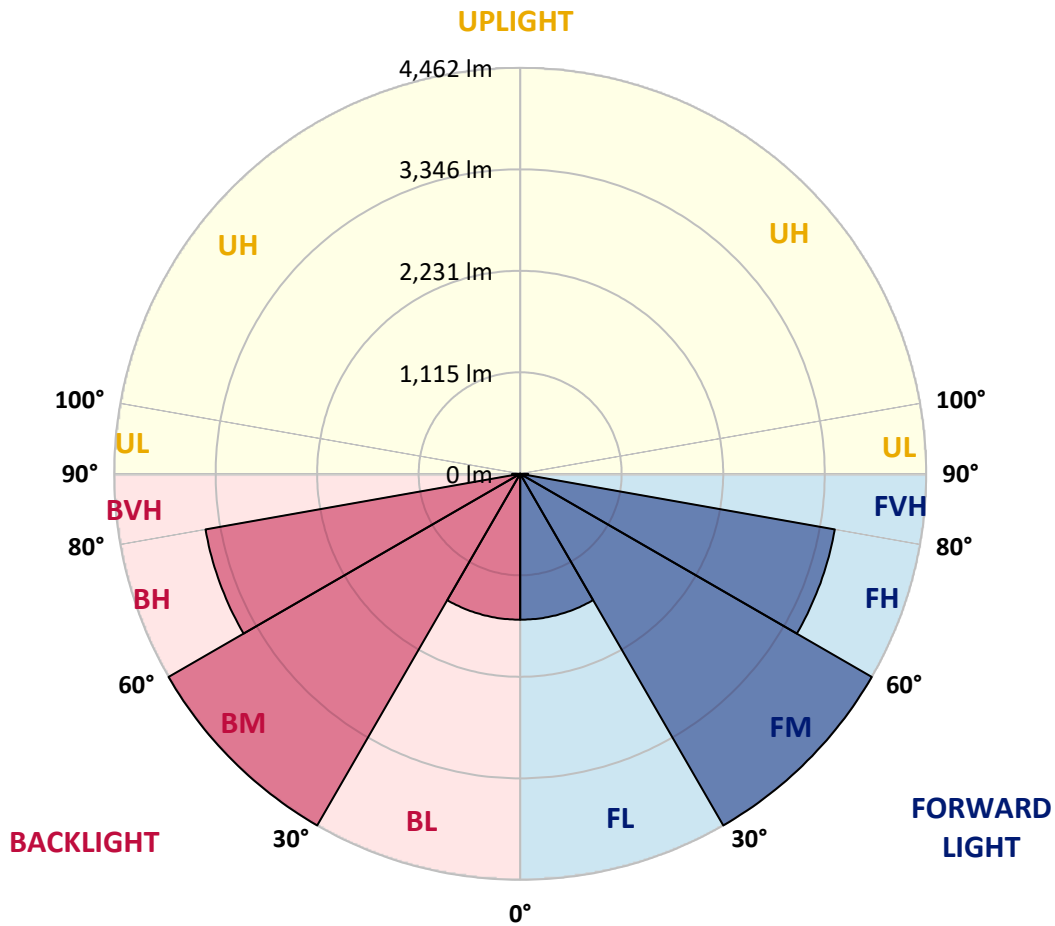
REPORT NUMBER: P940483
 CATALOG NUMBER: GALN-SB3C-827-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1603.2	8.3			
FM (30°-60°)	4461.5	23.1			
FH (60°-80°)	3511.1	18.2			G2/5000
FVH (80°-90°)	88.6	0.5			G1/100
BL (0°-30°)	1603.2	8.3	B3/2500		
BM (30°-60°)	4461.5	23.1	B3/5000		
BH (60°-80°)	3511.1	18.2	B4/5000		G4/5000
BVH (80°-90°)	88.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



REPORT NUMBER: P940483

CATALOG NUMBER: GALN-SB3C-827-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3611.8	3611.8	3611.8	3611.8	3611.8	3611.8	3611.8	3611.8	3611.8	3611.8
2.5°	3614.9	3619.0	3619.0	3615.9	3623.1	3617.0	3617.0	3613.9	3617.0	3613.9
5°	3633.4	3638.5	3640.6	3639.6	3648.8	3643.7	3643.7	3639.6	3640.6	3637.5
7.5°	3668.3	3675.5	3679.6	3684.8	3698.1	3692.0	3687.8	3675.5	3670.4	3662.2
10°	3679.6	3687.8	3701.2	3727.9	3758.7	3759.8	3747.4	3716.6	3693.0	3674.5
12.5°	3644.7	3656.0	3683.7	3738.2	3807.0	3834.7	3815.2	3763.9	3717.6	3684.8
15°	3600.5	3612.9	3655.0	3737.2	3838.9	3903.6	3901.5	3833.7	3759.8	3708.4
17.5°	3531.7	3544.0	3604.6	3719.7	3863.5	3970.3	3999.1	3929.2	3825.5	3756.7
20°	3407.4	3418.7	3502.9	3664.2	3871.7	4041.2	4116.2	4054.6	3925.1	3831.7
22.5°	3246.1	3263.6	3362.2	3568.7	3852.2	4115.2	4249.8	4207.6	4041.2	3911.8
25°	3073.5	3092.0	3207.1	3451.6	3801.9	4168.6	4408.0	4381.2	4172.7	4011.4
27.5°	2924.6	2944.1	3069.4	3335.5	3723.8	4189.1	4564.1	4577.4	4331.9	4121.3
30°	2807.5	2826.0	2959.5	3242.0	3623.1	4168.6	4700.7	4793.2	4494.2	4216.9
32.5°	2679.1	2702.7	2843.4	3128.0	3504.0	4119.3	4819.9	5026.4	4682.2	4319.6
35°	2516.8	2538.3	2686.3	2971.8	3347.8	4040.2	4919.5	5285.2	4951.4	4475.7
37.5°	2319.5	2340.1	2487.0	2776.7	3192.7	3929.2	4995.5	5577.0	5271.9	4700.7
40°	2121.3	2140.8	2278.5	2558.9	3006.8	3787.5	5022.2	5862.5	5639.6	5009.9
42.5°	1939.5	1956.9	2083.3	2344.2	2798.2	3606.7	4987.3	6111.1	5969.4	5225.6
45°	1772.0	1787.4	1899.4	2142.9	2581.5	3386.9	4882.5	6378.2	6361.8	5379.7
47.5°	1580.9	1596.4	1712.4	1947.7	2364.7	3129.0	4704.8	6641.2	6907.3	5729.0
50°	1347.8	1361.1	1480.3	1722.7	2139.8	2854.7	4458.3	6847.7	7595.5	6258.0
52.5°	1071.4	1085.8	1201.9	1444.3	1872.7	2559.9	4133.7	6982.3	8390.6	7030.5
55°	797.1	807.4	908.1	1125.9	1541.9	2224.0	3726.9	7020.3	9292.5	8086.5
57.5°	578.3	584.5	649.2	811.5	1169.0	1803.9	3232.8	6921.6	10366.0	9440.5
60°	468.4	470.5	490.0	561.9	812.6	1329.3	2635.9	6582.6	11530.9	11185.8
62.5°	425.3	425.3	430.4	449.9	549.6	877.3	1913.8	5880.0	12780.1	13391.3
65°	395.5	395.5	397.5	406.8	433.5	558.8	1208.1	4735.6	13833.0	15974.8
67.5°	368.8	369.8	368.8	371.9	387.3	413.0	700.6	3270.8	14400.1	18651.9
70°	341.0	343.1	338.0	338.0	350.3	351.3	438.6	1793.6	13929.6	20895.4
72.5°	308.2	311.3	303.0	301.0	310.2	306.1	329.7	860.8	11959.3	21565.2
75°	279.4	283.5	265.0	259.9	259.9	256.8	268.1	441.7	7761.9	17591.7
77.5°	253.7	261.9	232.2	215.7	211.6	202.4	218.8	270.2	3395.1	8259.1
80°	209.6	220.9	191.1	171.6	164.4	154.1	172.6	189.0	1009.8	1917.9
82.5°	156.1	161.3	135.6	122.2	116.1	108.9	129.4	131.5	328.7	679.0
85°	99.6	101.7	83.2	71.9	68.8	65.7	82.2	71.9	125.3	499.2
87.5°	34.9	40.1	31.8	28.8	30.8	25.7	38.0	21.6	34.9	352.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3611.8
3613.9
3637.5
3662.2
3671.4
3679.6
3700.2
3745.4
3814.2
3888.2
3978.6
4086.4
4166.5
4255.9
4404.9
4606.2
4909.3
5096.2
5205.1
5527.7
6005.3
6719.3
7697.2
8950.5
10568.4
12564.4
14929.1
17522.9
20598.5
22345.9
18816.2
8087.6
1836.7
767.4
725.2
436.6
0.0

OF REPORT)