

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: P938833

Luminaire Tested: **GALN-SB1A-927-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938833
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-SB1A-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2702 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B1 - U0 - G1

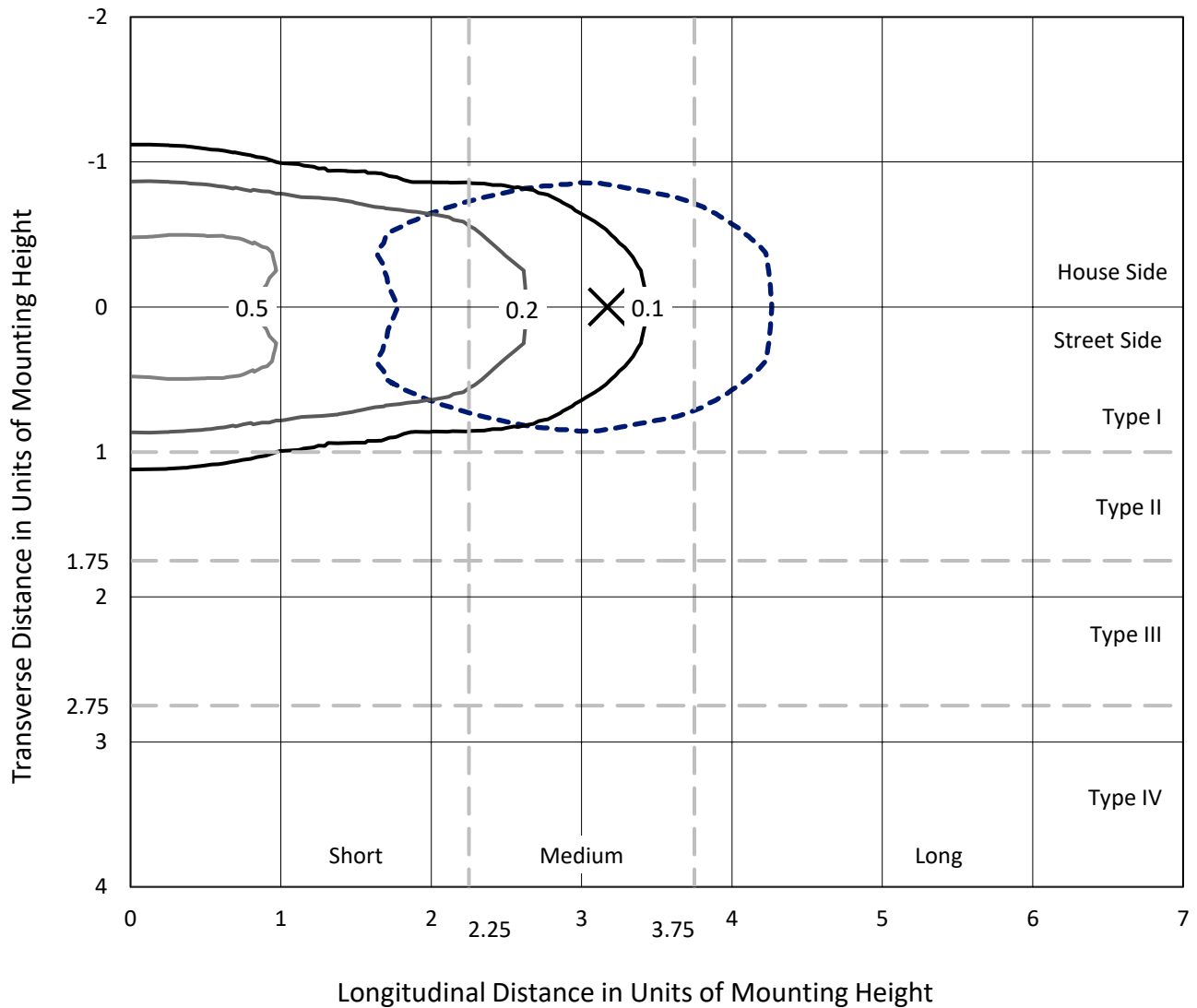
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P938833
 CATALOG NUMBER: GALN-SB1A-927-U-T1

Iso-Footcandle Lines of Horizontal Illumination

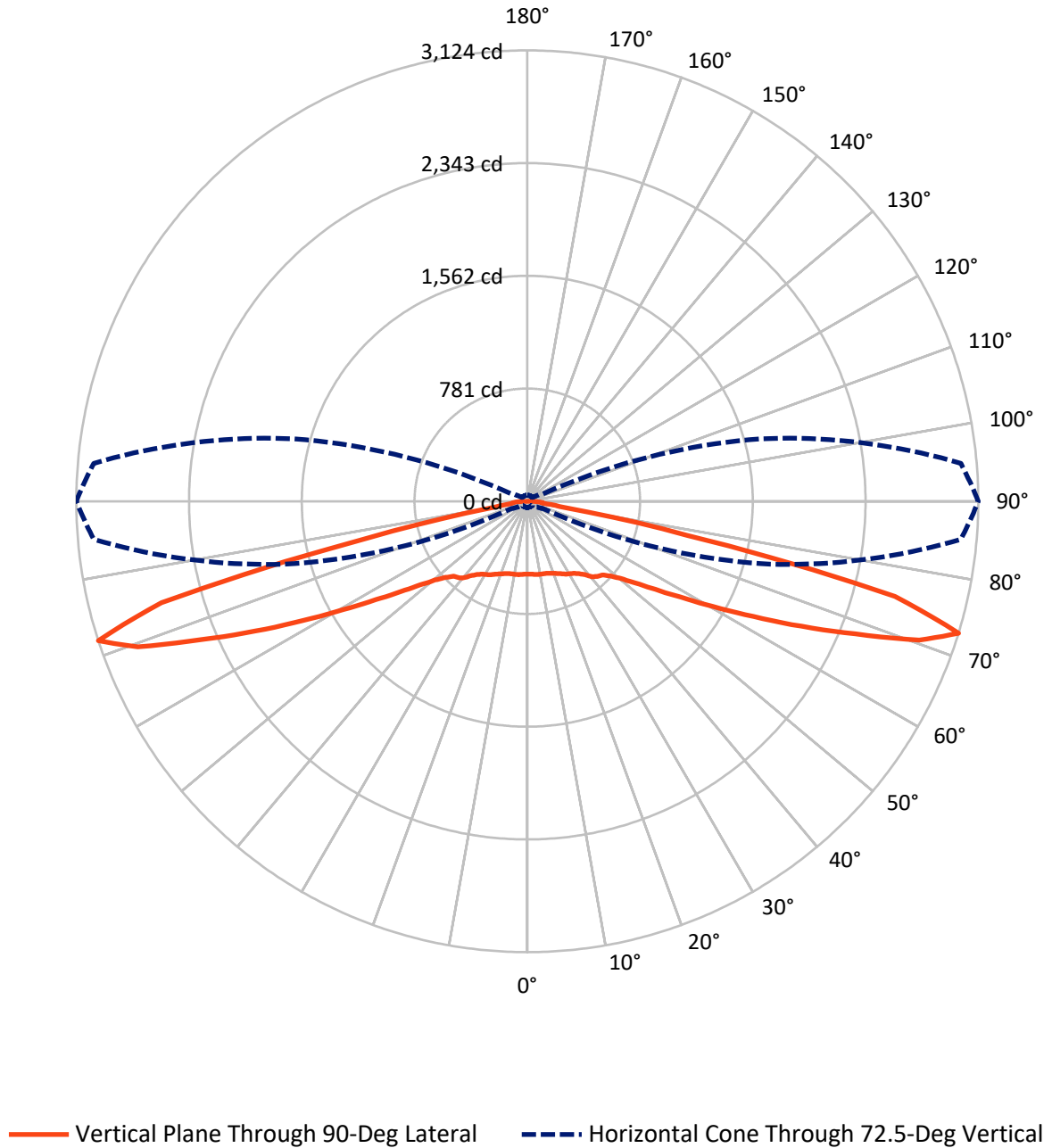
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type I - Short - N/A

REPORT NUMBER: P938833
CATALOG NUMBER: GALN-SB1A-927-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P938833
 CATALOG NUMBER: GALN-SB1A-927-U-T1

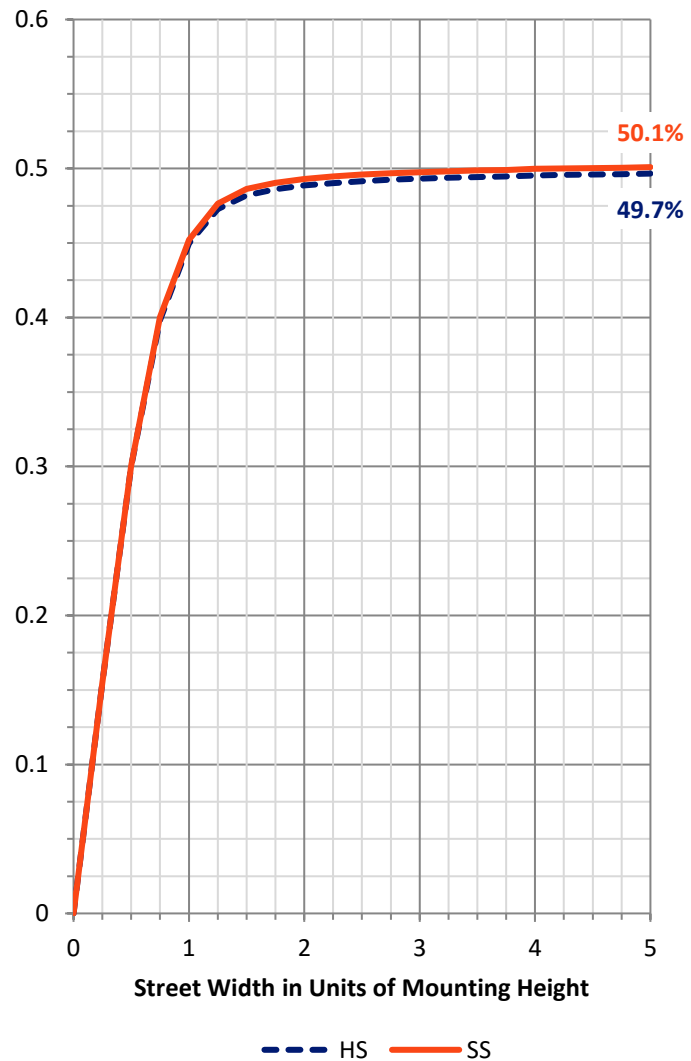
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1351.0	0.0	1351.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1351.0	0.0	1351.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2702.0	0.0	2702.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.0	1.8
10°-20°	149.7	5.5
20°-30°	249.6	9.2
30°-40°	343.3	12.7
40°-50°	419.2	15.5
50°-60°	484.9	17.9
60°-70°	578.1	21.4
70°-80°	403.5	14.9
80°-90°	24.8	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°	2702.0	100.0
0°-180°	2702.0	100.0

Coefficient of Utilization



REPORT NUMBER: P938833

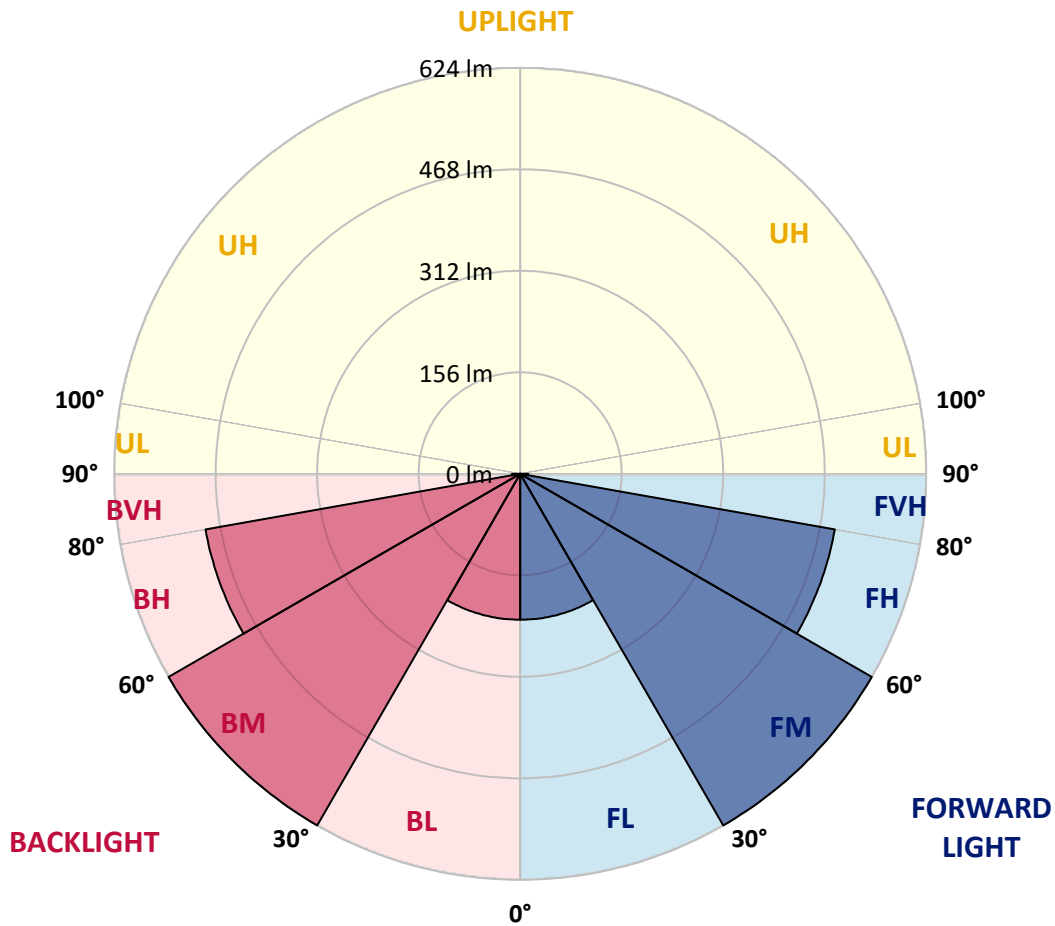
CATALOG NUMBER: GALN-SB1A-927-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	224.1	8.3			
FM (30°-60°)	623.7	23.1			
FH (60°-80°)	490.8	18.2			G0/660
FVH (80°-90°)	12.4	0.5			G1/100
BL (0°-30°)	224.1	8.3	B1/500		
BM (30°-60°)	623.7	23.1	B1/1000		
BH (60°-80°)	490.8	18.2	B1/500		G1/500
BVH (80°-90°)	12.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type I Short



REPORT NUMBER: P938833

CATALOG NUMBER: GALN-SB1A-927-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	504.9	504.9	504.9	504.9	504.9	504.9	504.9	504.9	504.9	504.9
2.5°	505.3	505.9	505.9	505.5	506.5	505.6	505.6	505.2	505.6	505.2
5°	507.9	508.6	508.9	508.8	510.1	509.3	509.3	508.8	508.9	508.5
7.5°	512.8	513.8	514.4	515.1	517.0	516.1	515.5	513.8	513.1	511.9
10°	514.4	515.5	517.4	521.1	525.4	525.6	523.9	519.5	516.2	513.7
12.5°	509.5	511.1	514.9	522.6	532.2	536.1	533.3	526.2	519.7	515.1
15°	503.3	505.0	510.9	522.4	536.6	545.7	545.4	535.9	525.6	518.4
17.5°	493.7	495.4	503.9	520.0	540.1	555.0	559.0	549.3	534.8	525.1
20°	476.3	477.9	489.7	512.2	541.2	564.9	575.4	566.8	548.7	535.6
22.5°	453.8	456.2	470.0	498.9	538.5	575.3	594.1	588.2	564.9	546.8
25°	429.7	432.2	448.3	482.5	531.5	582.7	616.2	612.5	583.3	560.8
27.5°	408.8	411.6	429.1	466.3	520.5	585.6	638.0	639.9	605.6	576.1
30°	392.5	395.0	413.7	453.2	506.5	582.7	657.1	670.0	628.2	589.5
32.5°	374.5	377.8	397.5	437.3	489.8	575.8	673.8	702.6	654.5	603.8
35°	351.8	354.8	375.5	415.4	468.0	564.8	687.7	738.8	692.2	625.7
37.5°	324.2	327.1	347.7	388.2	446.3	549.3	698.3	779.6	737.0	657.1
40°	296.5	299.3	318.5	357.7	420.3	529.5	702.1	819.5	788.4	700.3
42.5°	271.1	273.6	291.2	327.7	391.2	504.2	697.2	854.3	834.5	730.5
45°	247.7	249.9	265.5	299.5	360.9	473.4	682.5	891.6	889.3	752.0
47.5°	221.0	223.2	239.4	272.3	330.6	437.4	657.7	928.4	965.6	800.9
50°	188.4	190.3	206.9	240.8	299.1	399.1	623.2	957.2	1061.8	874.8
52.5°	149.8	151.8	168.0	201.9	261.8	357.9	577.8	976.0	1172.9	982.8
55°	111.4	112.9	126.9	157.4	215.5	310.9	521.0	981.4	1299.0	1130.4
57.5°	80.8	81.7	90.8	113.4	163.4	252.2	451.9	967.6	1449.1	1319.7
60°	65.5	65.8	68.5	78.5	113.6	185.8	368.5	920.2	1611.9	1563.7
62.5°	59.5	59.5	60.2	62.9	76.8	122.6	267.5	822.0	1786.5	1872.0
65°	55.3	55.3	55.6	56.9	60.6	78.1	168.9	662.0	1933.7	2233.1
67.5°	51.6	51.7	51.6	52.0	54.1	57.7	97.9	457.2	2013.0	2607.3
70°	47.7	48.0	47.2	47.2	49.0	49.1	61.3	250.7	1947.2	2921.0
72.5°	43.1	43.5	42.4	42.1	43.4	42.8	46.1	120.3	1671.8	3014.6
75°	39.1	39.6	37.0	36.3	36.3	35.9	37.5	61.7	1085.0	2459.1
77.5°	35.5	36.6	32.5	30.2	29.6	28.3	30.6	37.8	474.6	1154.5
80°	29.3	30.9	26.7	24.0	23.0	21.5	24.1	26.4	141.2	268.1
82.5°	21.8	22.5	19.0	17.1	16.2	15.2	18.1	18.4	46.0	94.9
85°	13.9	14.2	11.6	10.1	9.6	9.2	11.5	10.1	17.5	69.8
87.5°	4.9	5.6	4.5	4.0	4.3	3.6	5.3	3.0	4.9	49.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

504.9
505.2
508.5
511.9
513.2
514.4
517.2
523.6
533.2
543.5
556.2
571.2
582.4
594.9
615.8
643.9
686.3
712.4
727.6
772.7
839.5
939.3
1076.0
1251.2
1477.4
1756.4
2086.9
2449.5
2879.5
3123.7
2630.3
1130.6
256.8
107.3
101.4
61.0
0.0

OF REPORT)