

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: P939003

Luminaire Tested: **GALN-SB1B-927-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939003
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-SB1B-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3392 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

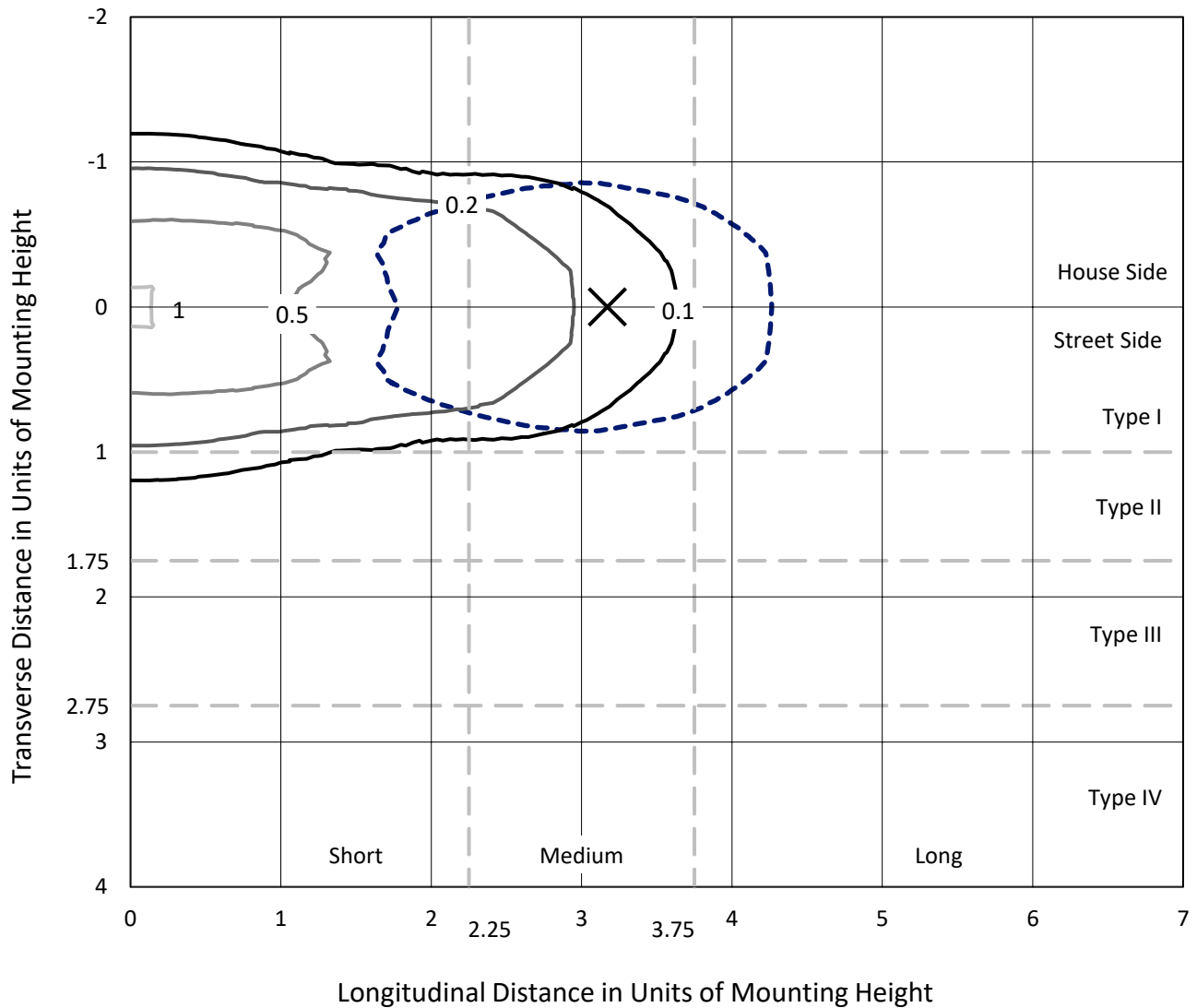
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

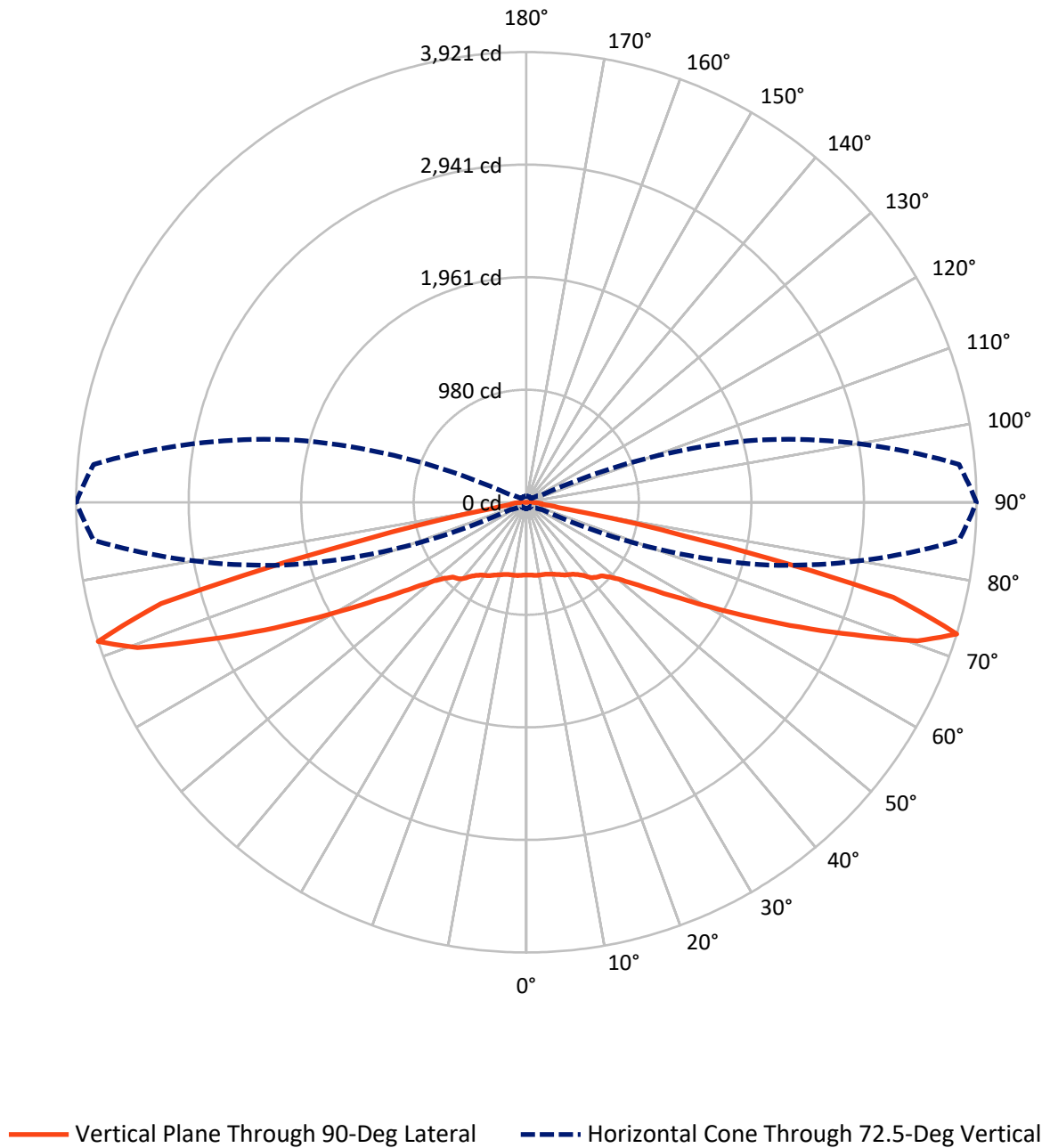
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1696.0	0.0	1696.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1696.0	0.0	1696.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3392.0	0.0	3392.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.5	1.8
10°-20°	187.9	5.5
20°-30°	313.3	9.2
30°-40°	430.9	12.7
40°-50°	526.3	15.5
50°-60°	608.7	17.9
60°-70°	725.8	21.4
70°-80°	506.5	14.9
80°-90°	31.1	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°	3392.0	100.0
0°-180°	3392.0	100.0

Coefficient of Utilization



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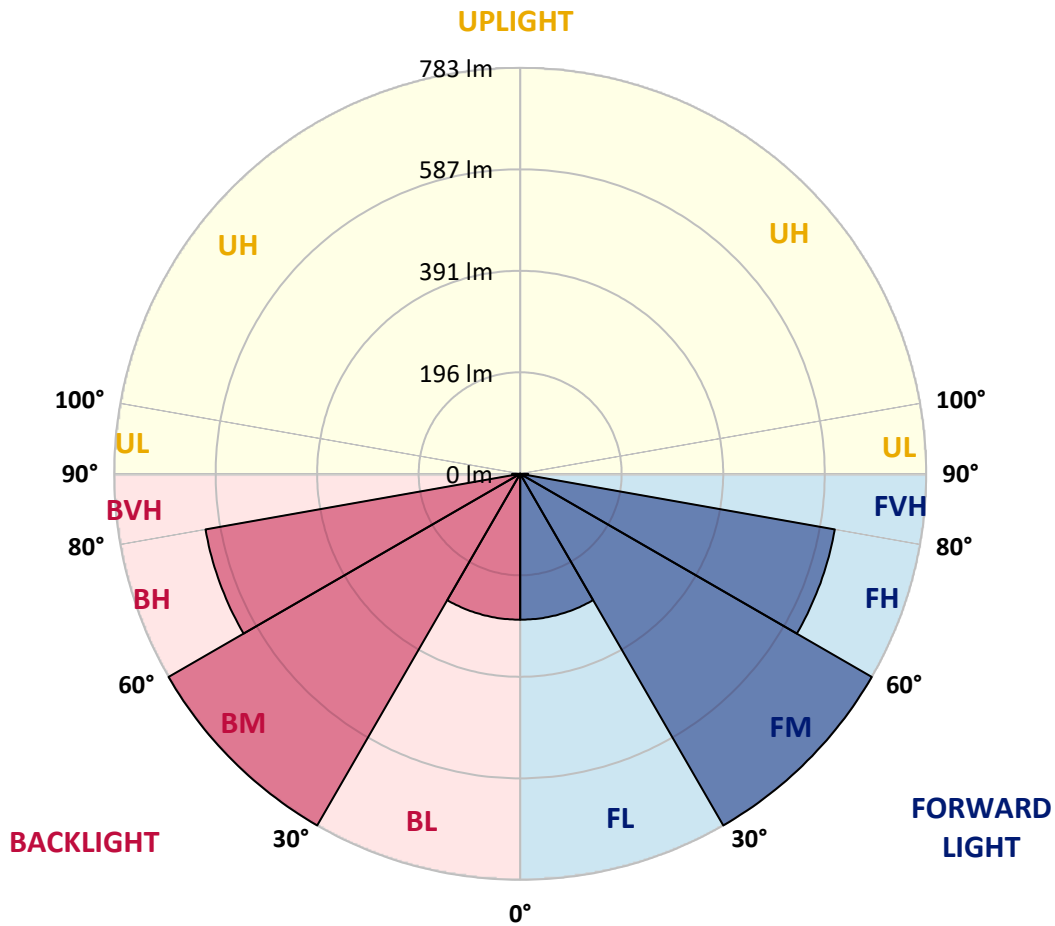
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	281.3	8.3			
FM (30°-60°)	782.9	23.1			
FH (60°-80°)	616.2	18.2			G0/660
FVH (80°-90°)	15.6	0.5			G1/100
BL (0°-30°)	281.3	8.3	B1/500		
BM (30°-60°)	782.9	23.1	B1/1000		
BH (60°-80°)	616.2	18.2	B2/1000		G2/1000
BVH (80°-90°)	15.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	633.8	633.8	633.8	633.8	633.8	633.8	633.8	633.8	633.8	633.8
2.5°	634.4	635.1	635.1	634.6	635.8	634.7	634.7	634.2	634.7	634.2
5°	637.6	638.5	638.9	638.7	640.3	639.4	639.4	638.7	638.9	638.3
7.5°	643.7	645.0	645.7	646.6	649.0	647.9	647.2	645.0	644.1	642.7
10°	645.7	647.2	649.5	654.2	659.6	659.8	657.6	652.2	648.1	644.8
12.5°	639.6	641.6	646.4	656.0	668.1	672.9	669.5	660.5	652.4	646.6
15°	631.8	634.0	641.4	655.8	673.7	685.0	684.7	672.8	659.8	650.8
17.5°	619.8	621.9	632.6	652.8	678.0	696.7	701.8	689.5	671.3	659.2
20°	598.0	599.9	614.7	643.0	679.4	709.2	722.3	711.5	688.8	672.4
22.5°	569.7	572.7	590.0	626.3	676.0	722.2	745.8	738.4	709.2	686.5
25°	539.4	542.6	562.8	605.7	667.2	731.5	773.5	768.9	732.3	704.0
27.5°	513.2	516.7	538.6	585.3	653.5	735.1	800.9	803.3	760.2	723.2
30°	492.7	495.9	519.4	568.9	635.8	731.5	824.9	841.1	788.7	740.0
32.5°	470.1	474.3	499.0	548.9	614.9	722.9	845.8	882.1	821.7	758.0
35°	441.7	445.4	471.4	521.5	587.5	709.0	863.3	927.5	868.9	785.4
37.5°	407.1	410.7	436.4	487.3	560.3	689.5	876.7	978.7	925.1	824.9
40°	372.3	375.7	399.8	449.1	527.7	664.7	881.3	1028.8	989.7	879.2
42.5°	340.4	343.4	365.6	411.4	491.1	632.9	875.2	1072.4	1047.6	917.0
45°	311.0	313.7	333.3	376.0	453.0	594.4	856.8	1119.3	1116.4	944.1
47.5°	277.4	280.1	300.5	341.8	415.0	549.1	825.6	1165.4	1212.1	1005.4
50°	236.5	238.9	259.8	302.3	375.5	501.0	782.4	1201.7	1332.9	1098.2
52.5°	188.0	190.5	210.9	253.5	328.6	449.2	725.4	1225.3	1472.4	1233.8
55°	139.9	141.7	159.4	197.6	270.6	390.3	654.0	1232.0	1630.7	1419.1
57.5°	101.5	102.6	113.9	142.4	205.1	316.6	567.3	1214.7	1819.1	1656.7
60°	82.2	82.6	86.0	98.6	142.6	233.3	462.6	1155.2	2023.5	1963.0
62.5°	74.6	74.6	75.5	79.0	96.4	154.0	335.8	1031.9	2242.7	2350.0
65°	69.4	69.4	69.8	71.4	76.1	98.1	212.0	831.0	2427.5	2803.4
67.5°	64.7	64.9	64.7	65.3	68.0	72.5	122.9	574.0	2527.0	3273.2
70°	59.8	60.2	59.3	59.3	61.5	61.7	77.0	314.8	2444.5	3666.9
72.5°	54.1	54.6	53.2	52.8	54.4	53.7	57.9	151.1	2098.7	3784.4
75°	49.0	49.8	46.5	45.6	45.6	45.1	47.1	77.5	1362.1	3087.1
77.5°	44.5	46.0	40.7	37.9	37.1	35.5	38.4	47.4	595.8	1449.4
80°	36.8	38.8	33.5	30.1	28.8	27.0	30.3	33.2	177.2	336.6
82.5°	27.4	28.3	23.8	21.5	20.4	19.1	22.7	23.1	57.7	119.2
85°	17.5	17.8	14.6	12.6	12.1	11.5	14.4	12.6	22.0	87.6
87.5°	6.1	7.0	5.6	5.0	5.4	4.5	6.7	3.8	6.1	61.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

633.8
634.2
638.3
642.7
644.3
645.7
649.3
657.3
669.3
682.3
698.2
717.1
731.2
746.9
773.0
808.3
861.5
894.3
913.4
970.0
1053.9
1179.1
1350.8
1570.7
1854.6
2204.9
2619.9
3075.1
3614.8
3921.4
3302.0
1419.3
322.3
134.7
127.3
76.6
0.0

OF REPORT)