

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: P941213

Luminaire Tested: **GALN-SB4C-927-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941213
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-SB4C-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18074 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

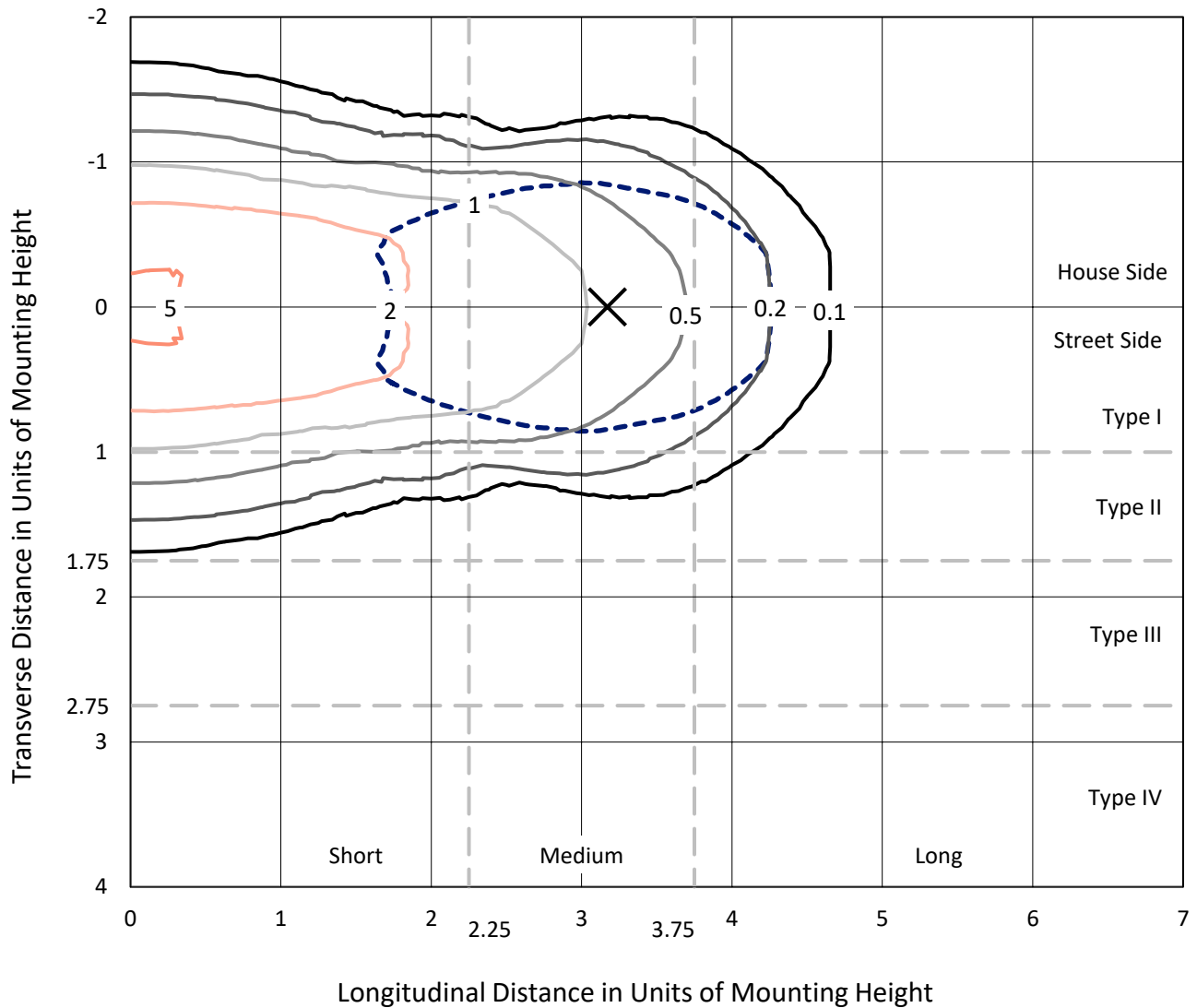
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

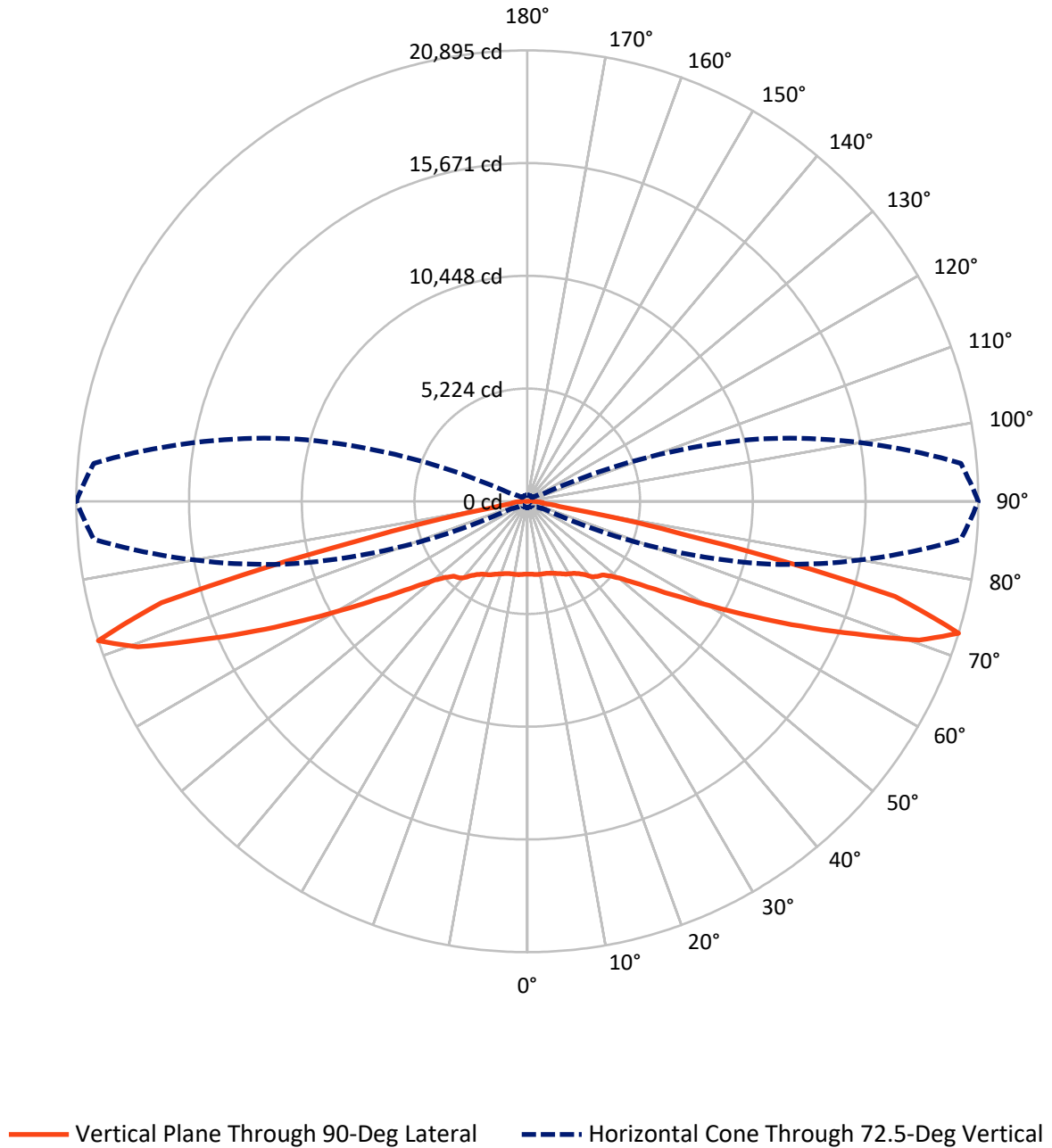
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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	9037.0	0.0	9037.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9037.0	0.0	9037.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18074.0	0.0	18074.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.5	1.8
10°-20°	1001.3	5.5
20°-30°	1669.5	9.2
30°-40°	2296.1	12.7
40°-50°	2804.2	15.5
50°-60°	3243.4	17.9
60°-70°	3867.2	21.4
70°-80°	2699.0	14.9
80°-90°	165.8	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°	18074.0	100.0
0°-180°	18074.0	100.0

Coefficient of Utilization



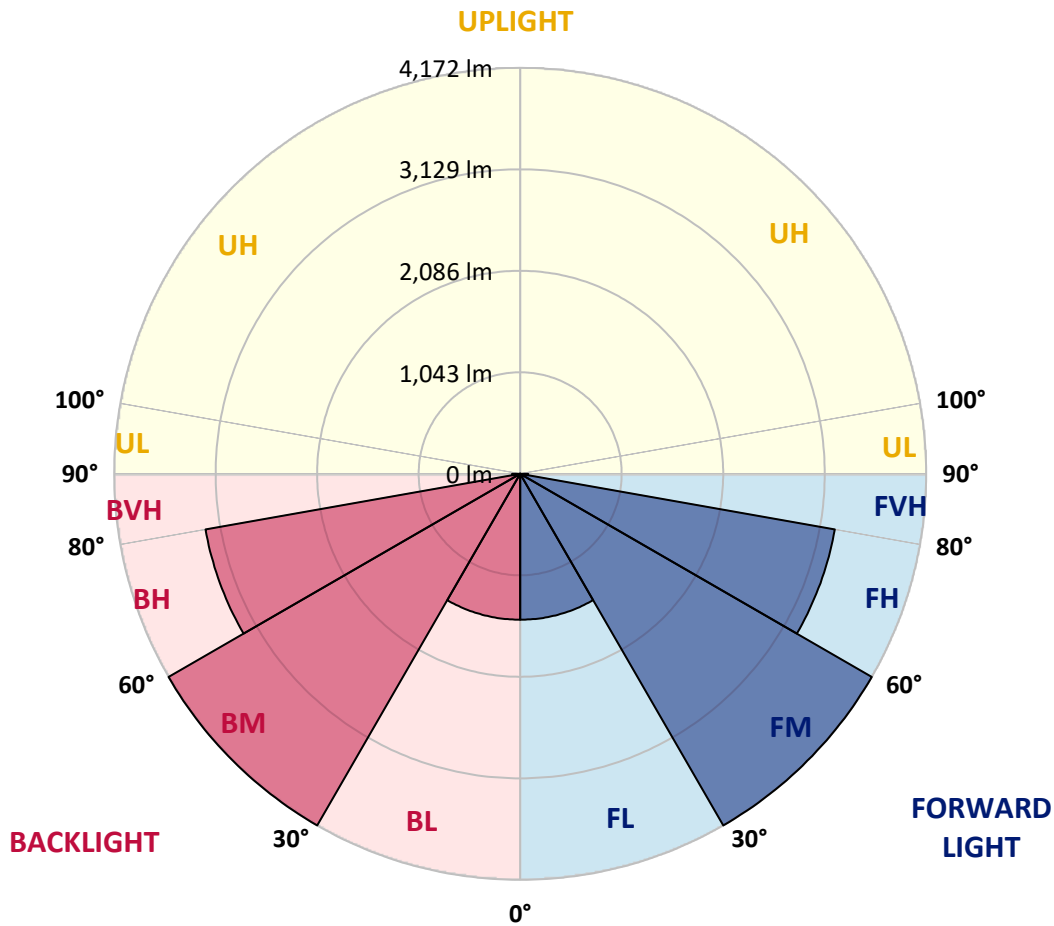
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1499.1	8.3			
FM (30°-60°)	4171.9	23.1			
FH (60°-80°)	3283.1	18.2			G2/5000
FVH (80°-90°)	82.9	0.5			G1/100
BL (0°-30°)	1499.1	8.3	B3/2500		
BM (30°-60°)	4171.9	23.1	B3/5000		
BH (60°-80°)	3283.1	18.2	B4/5000		G4/5000
BVH (80°-90°)	82.9	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3377.3	3377.3	3377.3	3377.3	3377.3	3377.3	3377.3	3377.3	3377.3	3377.3
2.5°	3380.2	3384.0	3384.0	3381.2	3387.9	3382.1	3382.1	3379.2	3382.1	3379.2
5°	3397.5	3402.3	3404.2	3403.3	3411.9	3407.1	3407.1	3403.3	3404.2	3401.3
7.5°	3430.1	3436.9	3440.7	3445.5	3458.0	3452.2	3448.4	3436.9	3432.1	3424.4
10°	3440.7	3448.4	3460.9	3485.9	3514.7	3515.6	3504.1	3475.3	3453.2	3435.9
12.5°	3408.1	3418.6	3444.6	3495.5	3559.8	3585.8	3567.5	3519.5	3476.3	3445.5
15°	3366.8	3378.3	3417.7	3494.5	3589.6	3650.1	3648.2	3584.8	3515.6	3467.6
17.5°	3302.4	3313.9	3370.6	3478.2	3612.7	3712.6	3739.4	3674.1	3577.1	3512.8
20°	3186.2	3196.7	3275.5	3426.3	3620.3	3778.8	3849.0	3791.3	3670.3	3582.9
22.5°	3035.4	3051.7	3143.9	3337.0	3602.1	3848.0	3973.8	3934.4	3778.8	3657.8
25°	2874.0	2891.3	2998.9	3227.5	3555.0	3897.9	4121.7	4096.8	3901.8	3751.0
27.5°	2734.7	2753.0	2870.1	3118.9	3482.0	3917.2	4267.8	4280.2	4050.7	3853.8
30°	2625.2	2642.5	2767.4	3031.5	3387.9	3897.9	4395.5	4482.0	4202.4	3943.1
32.5°	2505.1	2527.2	2658.8	2924.9	3276.5	3851.8	4506.9	4700.0	4378.2	4039.1
35°	2353.4	2373.5	2511.9	2778.9	3130.5	3777.9	4600.1	4942.1	4629.9	4185.1
37.5°	2168.9	2188.1	2325.5	2596.4	2985.4	3674.1	4671.2	5214.9	4929.6	4395.5
40°	1983.5	2001.8	2130.5	2392.7	2811.5	3541.6	4696.2	5481.9	5273.5	4684.6
42.5°	1813.5	1829.9	1948.0	2192.0	2616.6	3372.5	4663.5	5714.4	5581.8	4886.4
45°	1657.0	1671.4	1776.1	2003.7	2413.9	3167.0	4565.5	5964.1	5948.7	5030.4
47.5°	1478.3	1492.7	1601.2	1821.2	2211.2	2925.9	4399.4	6210.0	6458.8	5357.0
50°	1260.3	1272.7	1384.2	1610.9	2000.8	2669.4	4168.8	6403.1	7102.4	5851.7
52.5°	1001.9	1015.3	1123.9	1350.5	1751.1	2393.7	3865.3	6528.9	7845.8	6574.1
55°	745.4	755.0	849.1	1052.8	1441.8	2079.6	3484.9	6564.4	8689.2	7561.5
57.5°	540.8	546.6	607.1	758.8	1093.1	1686.7	3022.9	6472.2	9693.0	8827.5
60°	438.0	439.9	458.2	525.4	759.8	1243.0	2464.8	6155.2	10782.3	10459.5
62.5°	397.7	397.7	402.5	420.7	513.9	820.3	1789.5	5498.2	11950.3	12521.8
65°	369.8	369.8	371.7	380.4	405.4	522.5	1129.6	4428.2	12934.9	14937.6
67.5°	344.8	345.8	344.8	347.7	362.1	386.1	655.1	3058.4	13465.1	17440.8
70°	318.9	320.8	316.0	316.0	327.5	328.5	410.2	1677.1	13025.2	19538.7
72.5°	288.2	291.0	283.4	281.4	290.1	286.2	308.3	804.9	11182.8	20165.0
75°	261.3	265.1	247.8	243.0	243.0	240.1	250.7	413.0	7258.0	16449.5
77.5°	237.3	244.9	217.1	201.7	197.9	189.2	204.6	252.6	3174.6	7722.9
80°	196.0	206.5	178.7	160.4	153.7	144.1	161.4	176.7	944.2	1793.4
82.5°	146.0	150.8	126.8	114.3	108.5	101.8	121.0	123.0	307.4	634.9
85°	93.2	95.1	77.8	67.2	64.4	61.5	76.8	67.2	117.2	466.8
87.5°	32.7	37.5	29.8	26.9	28.8	24.0	35.5	20.2	32.7	329.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3377.3
3379.2
3401.3
3424.4
3433.0
3440.7
3459.9
3502.2
3566.5
3635.7
3720.2
3821.1
3896.0
3979.6
4118.9
4307.1
4590.5
4765.3
4867.1
5168.8
5615.4
6283.0
7197.5
8369.3
9882.2
11748.6
13959.8
16385.2
19261.1
20895.0
17594.5
7562.5
1717.5
717.5
678.2
408.2
0.0

OF REPORT)