

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: P942913

Luminaire Tested: **GALN-SB7A-927-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942913
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-SB7A-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19210 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

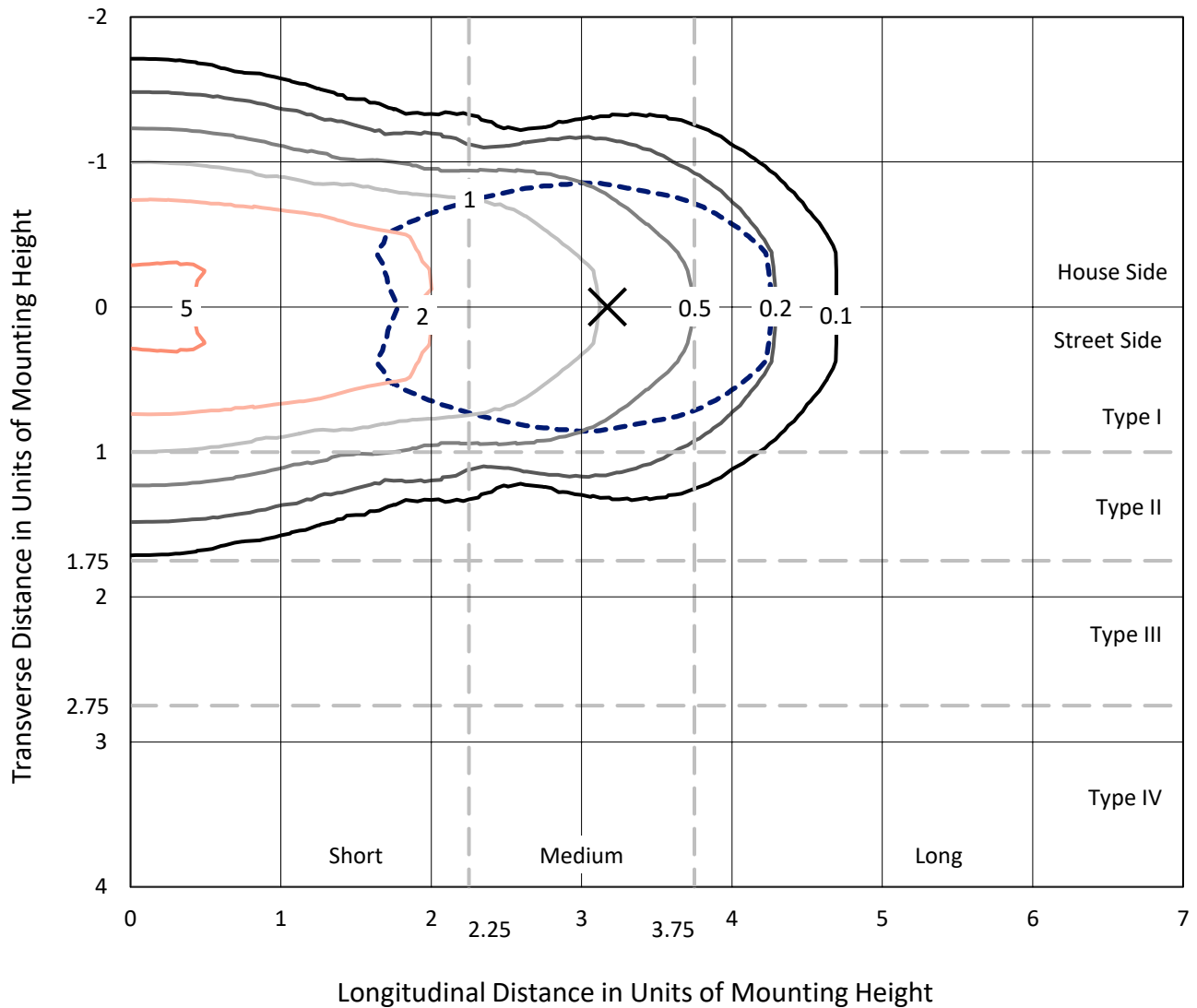
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

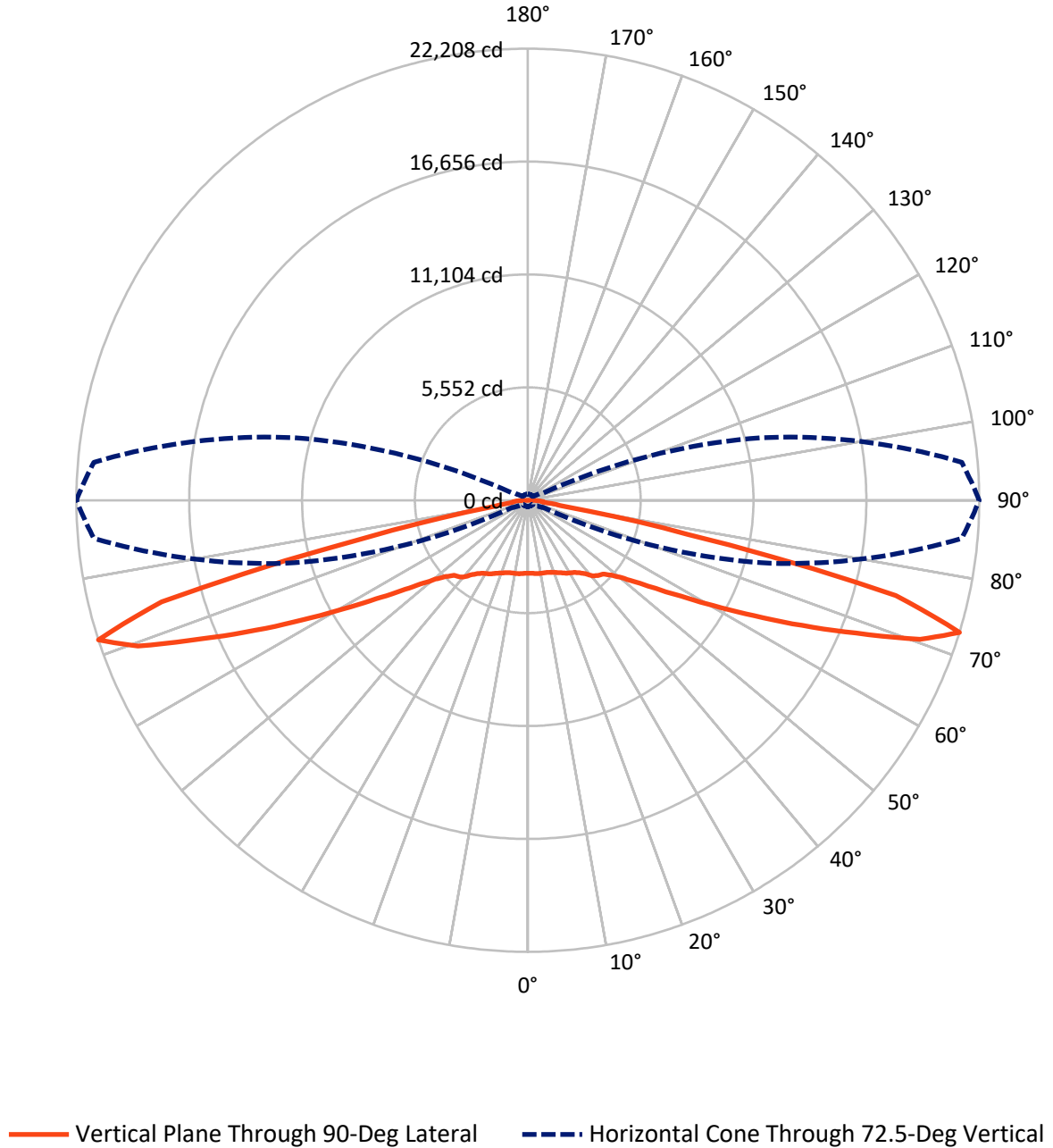
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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	9605.0	0.0	9605.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9605.0	0.0	9605.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19210.0	0.0	19210.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.1	1.8
10°-20°	1064.2	5.5
20°-30°	1774.5	9.2
30°-40°	2440.5	12.7
40°-50°	2980.5	15.5
50°-60°	3447.2	17.9
60°-70°	4110.2	21.4
70°-80°	2868.7	14.9
80°-90°	176.2	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°	19210.0	100.0
0°-180°	19210.0	100.0

Coefficient of Utilization



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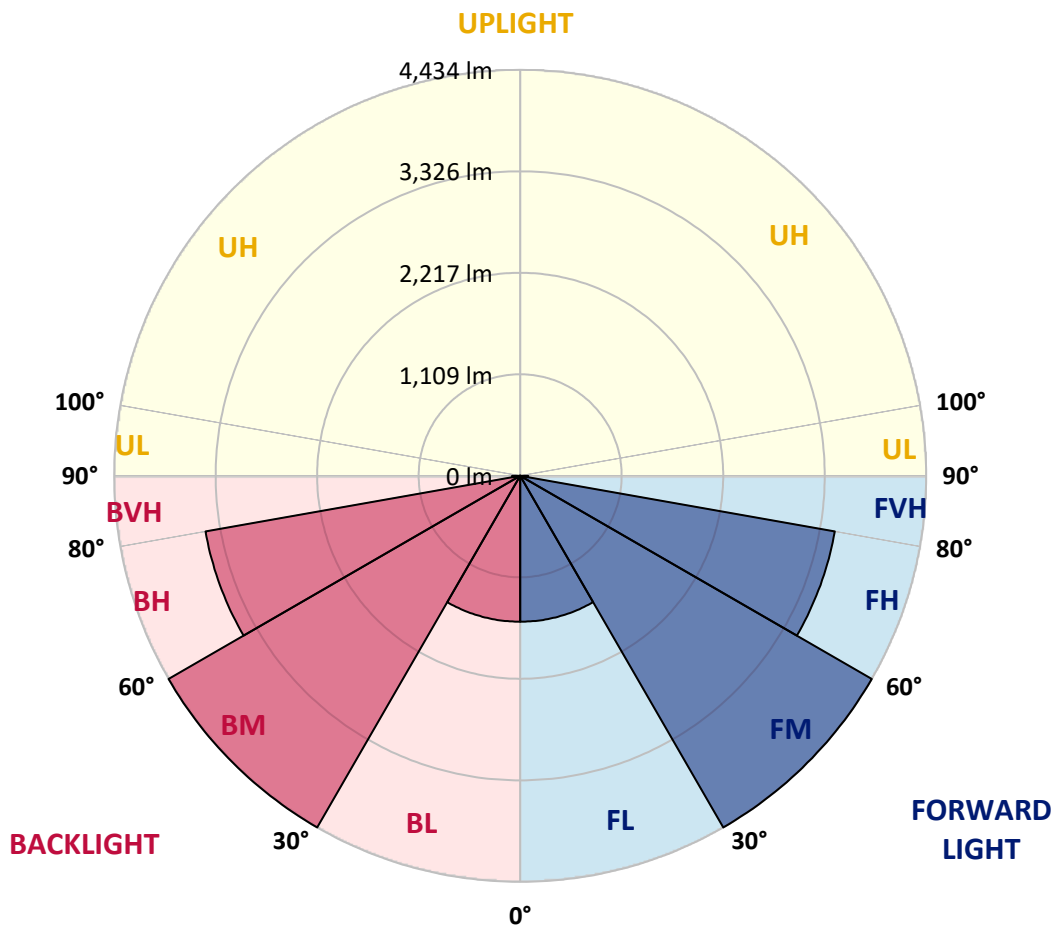
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1593.4	8.3			
FM (30°-60°)	4434.1	23.1			
FH (60°-80°)	3489.5	18.2			G2/5000
FVH (80°-90°)	88.1	0.5			G1/100
BL (0°-30°)	1593.4	8.3	B3/2500		
BM (30°-60°)	4434.1	23.1	B3/5000		
BH (60°-80°)	3489.5	18.2	B4/5000		G4/5000
BVH (80°-90°)	88.1	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°	3589.6	3589.6	3589.6	3589.6	3589.6	3589.6	3589.6	3589.6	3589.6	3589.6
2.5°	3592.7	3596.7	3596.7	3593.7	3600.8	3594.7	3594.7	3591.6	3594.7	3591.6
5°	3611.0	3616.1	3618.2	3617.2	3626.3	3621.2	3621.2	3617.2	3618.2	3615.1
7.5°	3645.7	3652.9	3657.0	3662.1	3675.3	3669.2	3665.1	3652.9	3647.8	3639.6
10°	3657.0	3665.1	3678.4	3705.0	3735.6	3736.6	3724.4	3693.7	3670.2	3651.9
12.5°	3622.3	3633.5	3661.1	3715.2	3783.6	3811.1	3791.7	3740.7	3694.7	3662.1
15°	3578.4	3590.6	3632.5	3714.1	3815.2	3879.5	3877.5	3810.1	3736.6	3685.6
17.5°	3510.0	3522.2	3582.4	3696.8	3839.7	3945.9	3974.5	3905.1	3801.9	3733.5
20°	3386.4	3397.7	3481.4	3641.7	3847.9	4016.3	4090.9	4029.6	3901.0	3808.1
22.5°	3226.1	3243.5	3341.5	3546.7	3828.5	4089.8	4223.6	4181.7	4016.3	3887.7
25°	3054.6	3073.0	3187.3	3430.3	3778.5	4142.9	4380.8	4354.3	4147.0	3986.7
27.5°	2906.6	2926.0	3050.5	3315.0	3700.9	4163.4	4536.0	4549.3	4305.3	4096.0
30°	2790.2	2808.6	2941.3	3222.1	3600.8	4142.9	4671.8	4763.7	4466.6	4190.9
32.5°	2662.6	2686.1	2825.9	3108.7	3482.4	4093.9	4790.2	4995.4	4653.4	4293.0
35°	2501.3	2522.7	2669.7	2953.6	3327.2	4015.3	4889.2	5252.7	4920.9	4448.2
37.5°	2305.3	2325.7	2471.7	2759.6	3173.1	3905.1	4964.8	5542.6	5239.4	4671.8
40°	2108.2	2127.6	2264.4	2543.1	2988.3	3764.2	4991.3	5826.4	5604.9	4979.1
42.5°	1927.5	1944.9	2070.4	2329.8	2781.0	3584.5	4956.6	6073.5	5932.6	5193.5
45°	1761.1	1776.4	1887.7	2129.7	2565.6	3366.0	4852.5	6339.0	6322.6	5346.6
47.5°	1571.2	1586.5	1701.9	1935.7	2350.2	3109.8	4675.9	6600.3	6864.7	5693.7
50°	1339.5	1352.7	1471.2	1712.1	2126.6	2837.2	4430.8	6805.5	7548.8	6219.5
52.5°	1064.8	1079.1	1194.5	1435.4	1861.2	2544.2	4108.2	6939.3	8339.0	6987.2
55°	792.2	802.5	902.5	1118.9	1532.4	2210.3	3703.9	6977.0	9235.3	8036.8
57.5°	574.8	580.9	645.2	806.5	1161.8	1792.8	3212.9	6879.0	10302.2	9382.4
60°	465.5	467.6	487.0	558.4	807.6	1321.1	2619.7	6542.1	11459.9	11116.9
62.5°	422.7	422.7	427.8	447.2	546.2	871.9	1902.0	5843.8	12701.4	13308.8
65°	393.1	393.1	395.1	404.3	430.8	555.4	1200.6	4706.5	13747.8	15876.5
67.5°	366.5	367.5	366.5	369.6	384.9	410.4	696.3	3250.6	14311.4	18537.0
70°	338.9	341.0	335.9	335.9	348.1	349.2	435.9	1782.5	13843.8	20766.7
72.5°	306.3	309.3	301.2	299.1	308.3	304.2	327.7	855.5	11885.7	21432.4
75°	277.7	281.8	263.4	258.3	258.3	255.2	266.5	439.0	7714.2	17483.4
77.5°	252.2	260.3	230.7	214.4	210.3	201.1	217.5	268.5	3374.2	8208.3
80°	208.3	219.5	189.9	170.5	163.3	153.1	171.5	187.9	1003.6	1906.1
82.5°	155.2	160.3	134.8	121.5	115.4	108.2	128.6	130.7	326.7	674.8
85°	99.0	101.1	82.7	71.5	68.4	65.3	81.7	71.5	124.6	496.2
87.5°	34.7	39.8	31.6	28.6	30.6	25.5	37.8	21.4	34.7	350.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3589.6
3591.6
3615.1
3639.6
3648.8
3657.0
3677.4
3722.3
3790.7
3864.2
3954.1
4061.3
4140.9
4229.7
4377.7
4577.9
4879.0
5064.8
5173.1
5493.6
5968.4
6677.9
7649.8
8895.4
10503.3
12487.0
14837.2
17415.0
20471.7
22208.3
18700.4
8037.8
1825.4
762.6
720.8
433.9
0.0

OF REPORT)