

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: P942263

Luminaire Tested: **GALN-SB6A-940-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942263
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-SB6A-940-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19500 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

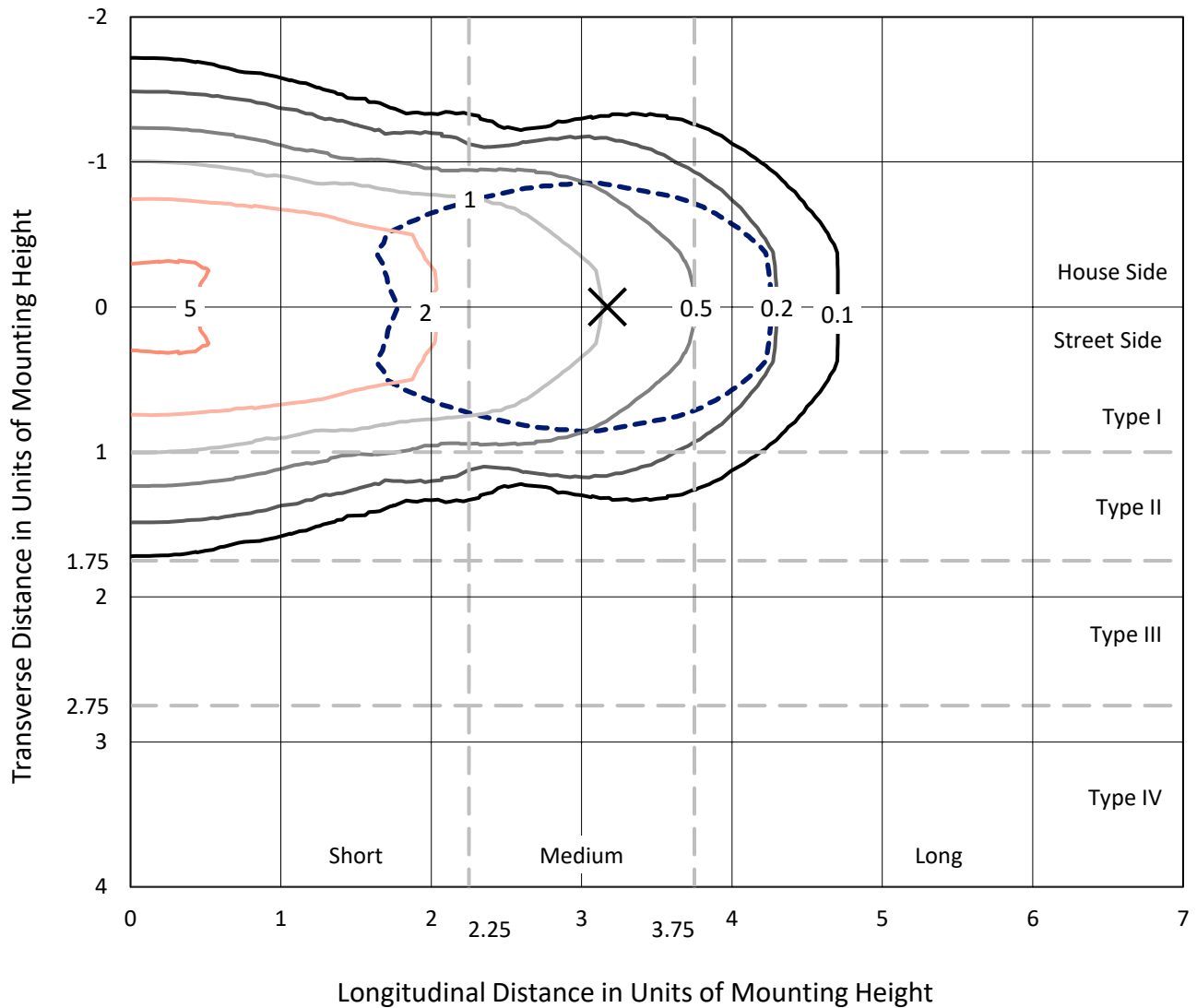
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

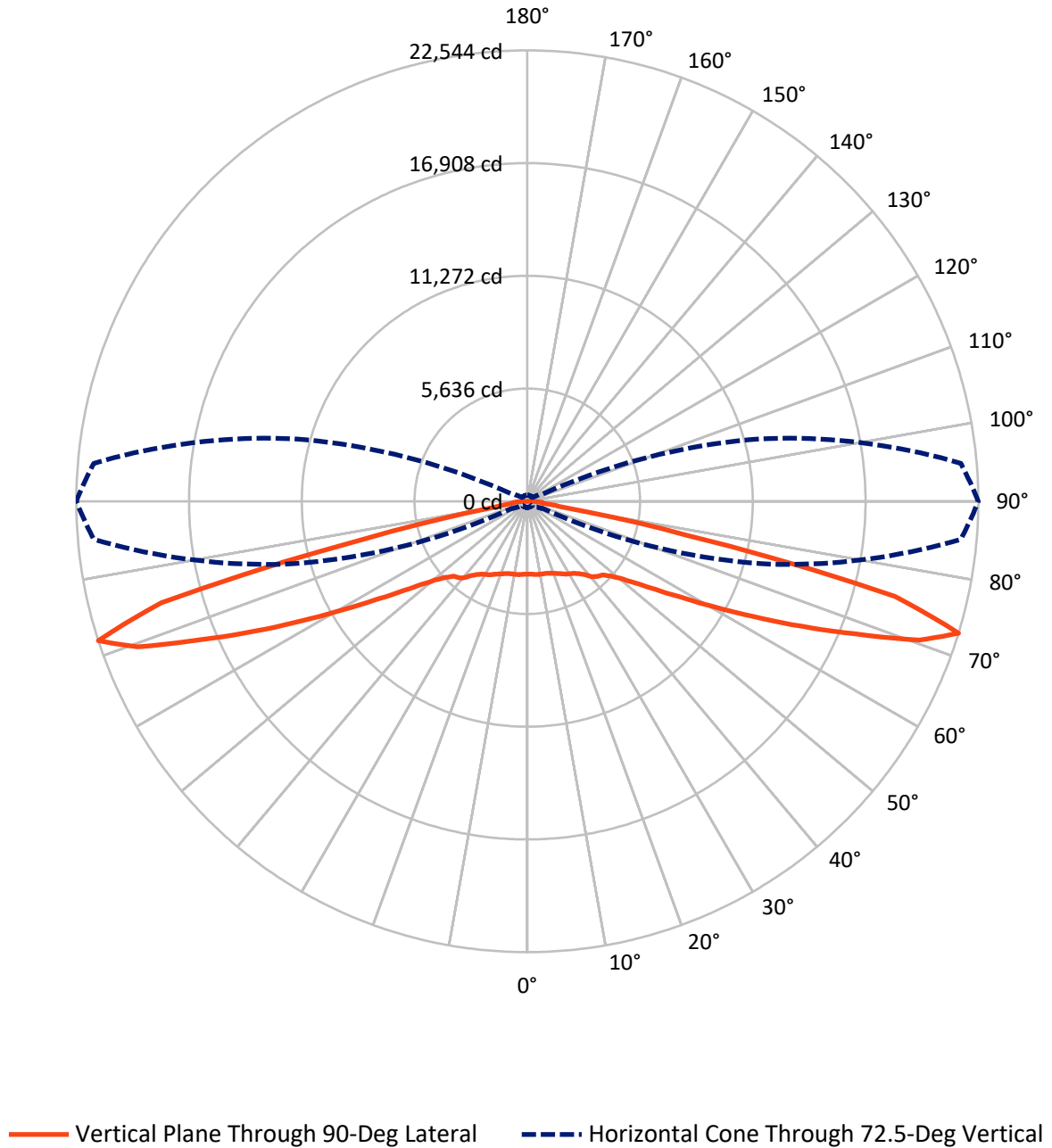
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	9750.0	0.0	9750.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9750.0	0.0	9750.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19500.0	0.0	19500.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.3	1.8
10°-20°	1080.3	5.5
20°-30°	1801.3	9.2
30°-40°	2477.3	12.7
40°-50°	3025.5	15.5
50°-60°	3499.3	17.9
60°-70°	4172.3	21.4
70°-80°	2912.0	14.9
80°-90°	178.8	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°	19500.0	100.0
0°-180°	19500.0	100.0

Coefficient of Utilization



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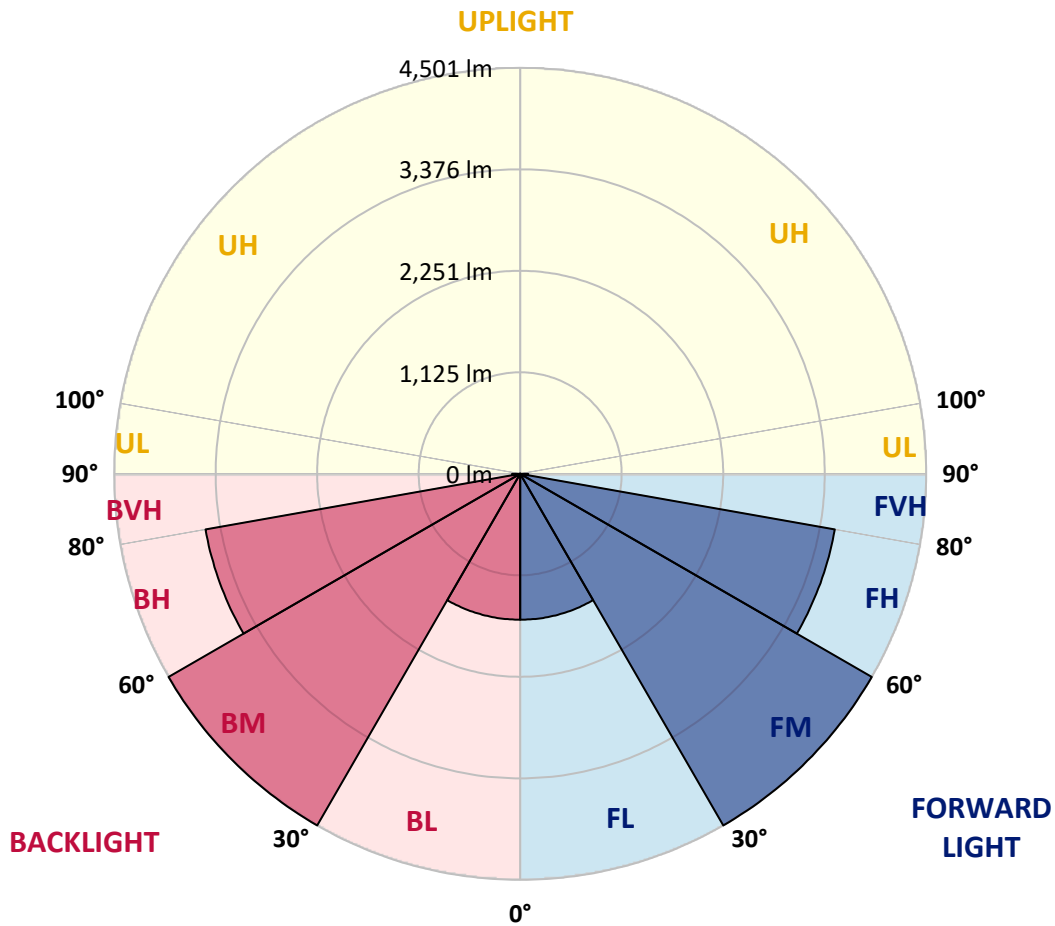
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1617.4	8.3			
FM (30°-60°)	4501.0	23.1			
FH (60°-80°)	3542.1	18.2			G2/5000
FVH (80°-90°)	89.4	0.5			G1/100
BL (0°-30°)	1617.4	8.3	B3/2500		
BM (30°-60°)	4501.0	23.1	B3/5000		
BH (60°-80°)	3542.1	18.2	B4/5000		G4/5000
BVH (80°-90°)	89.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3643.8	3643.8	3643.8	3643.8	3643.8	3643.8	3643.8	3643.8	3643.8	3643.8
2.5°	3646.9	3651.0	3651.0	3647.9	3655.2	3649.0	3649.0	3645.9	3649.0	3645.9
5°	3665.5	3670.7	3672.8	3671.8	3681.1	3675.9	3675.9	3671.8	3672.8	3669.7
7.5°	3700.8	3708.0	3712.2	3717.4	3730.8	3724.6	3720.5	3708.0	3702.9	3694.6
10°	3712.2	3720.5	3733.9	3760.9	3792.0	3793.0	3780.6	3749.5	3725.7	3707.0
12.5°	3676.9	3688.3	3716.3	3771.3	3840.7	3868.7	3849.0	3797.2	3750.5	3717.4
15°	3632.4	3644.8	3687.3	3770.2	3872.8	3938.1	3936.0	3867.6	3793.0	3741.2
17.5°	3562.9	3575.4	3636.5	3752.6	3897.7	4005.5	4034.5	3964.0	3859.3	3789.9
20°	3437.5	3448.9	3533.9	3696.6	3906.0	4077.0	4152.6	4090.4	3959.9	3865.6
22.5°	3274.8	3292.5	3391.9	3600.3	3886.3	4151.6	4287.3	4244.9	4077.0	3946.4
25°	3100.7	3119.4	3235.5	3482.1	3835.5	4205.5	4446.9	4420.0	4209.6	4046.9
27.5°	2950.5	2970.2	3096.6	3365.0	3756.7	4226.2	4604.5	4617.9	4370.3	4157.8
30°	2832.3	2851.0	2985.7	3270.7	3655.2	4205.5	4742.3	4835.6	4534.0	4254.2
32.5°	2702.8	2726.6	2868.6	3155.7	3535.0	4155.7	4862.5	5070.8	4723.6	4357.8
35°	2539.0	2560.8	2710.0	2998.1	3377.4	4075.9	4963.0	5332.0	4995.2	4515.3
37.5°	2340.1	2360.8	2509.0	2801.2	3221.0	3964.0	5039.7	5626.3	5318.5	4742.3
40°	2140.0	2159.7	2298.6	2581.5	3033.4	3821.0	5066.7	5914.4	5689.5	5054.2
42.5°	1956.6	1974.2	2101.7	2364.9	2823.0	3638.6	5031.4	6165.2	6022.2	5271.9
45°	1787.7	1803.2	1916.2	2161.8	2604.3	3416.8	4925.7	6434.7	6418.1	5427.3
47.5°	1594.9	1610.5	1727.6	1964.9	2385.7	3156.7	4746.4	6700.0	6968.4	5779.7
50°	1359.7	1373.2	1493.4	1737.9	2158.7	2880.0	4497.7	6908.3	7662.7	6313.4
52.5°	1080.9	1095.4	1212.5	1457.1	1889.3	2582.6	4170.2	7044.0	8464.8	7092.7
55°	804.2	814.6	916.1	1135.8	1555.6	2243.7	3759.9	7082.4	9374.8	8158.1
57.5°	583.5	589.7	655.0	818.7	1179.4	1819.8	3261.4	6982.9	10457.7	9524.0
60°	472.6	474.6	494.3	566.9	819.7	1341.0	2659.3	6640.9	11632.9	11284.7
62.5°	429.0	429.0	434.2	453.9	554.4	885.0	1930.7	5932.0	12893.1	13509.8
65°	399.0	399.0	401.1	410.4	437.3	563.8	1218.7	4777.5	13955.4	16116.2
67.5°	372.0	373.1	372.0	375.2	390.7	416.6	706.8	3299.7	14527.5	18816.9
70°	344.1	346.1	341.0	341.0	353.4	354.4	442.5	1809.5	14052.8	21080.2
72.5°	310.9	314.0	305.7	303.6	313.0	308.8	332.7	868.5	12065.1	21755.9
75°	281.9	286.0	267.4	262.2	262.2	259.1	270.5	445.6	7830.6	17747.4
77.5°	256.0	264.3	234.2	217.6	213.5	204.2	220.7	272.6	3425.1	8332.2
80°	211.4	222.8	192.8	173.1	165.8	155.5	174.1	190.7	1018.7	1934.9
82.5°	157.5	162.7	136.8	123.3	117.1	109.9	130.6	132.7	331.6	685.0
85°	100.5	102.6	83.9	72.5	69.4	66.3	82.9	72.5	126.4	503.7
87.5°	35.2	40.4	32.1	29.0	31.1	25.9	38.3	21.8	35.2	355.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3643.8
3645.9
3669.7
3694.6
3703.9
3712.2
3732.9
3778.5
3847.9
3922.6
4013.8
4122.6
4203.4
4293.6
4443.8
4647.0
4952.7
5141.3
5251.1
5576.6
6058.5
6778.7
7765.3
9029.7
10661.9
12675.5
15061.2
17677.9
20780.7
22543.6
18982.7
8159.1
1853.0
774.1
731.7
440.4
0.0

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