

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: P943963

Luminaire Tested: **GALN-SB8C-940-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943963
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-SB8C-940-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43412 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

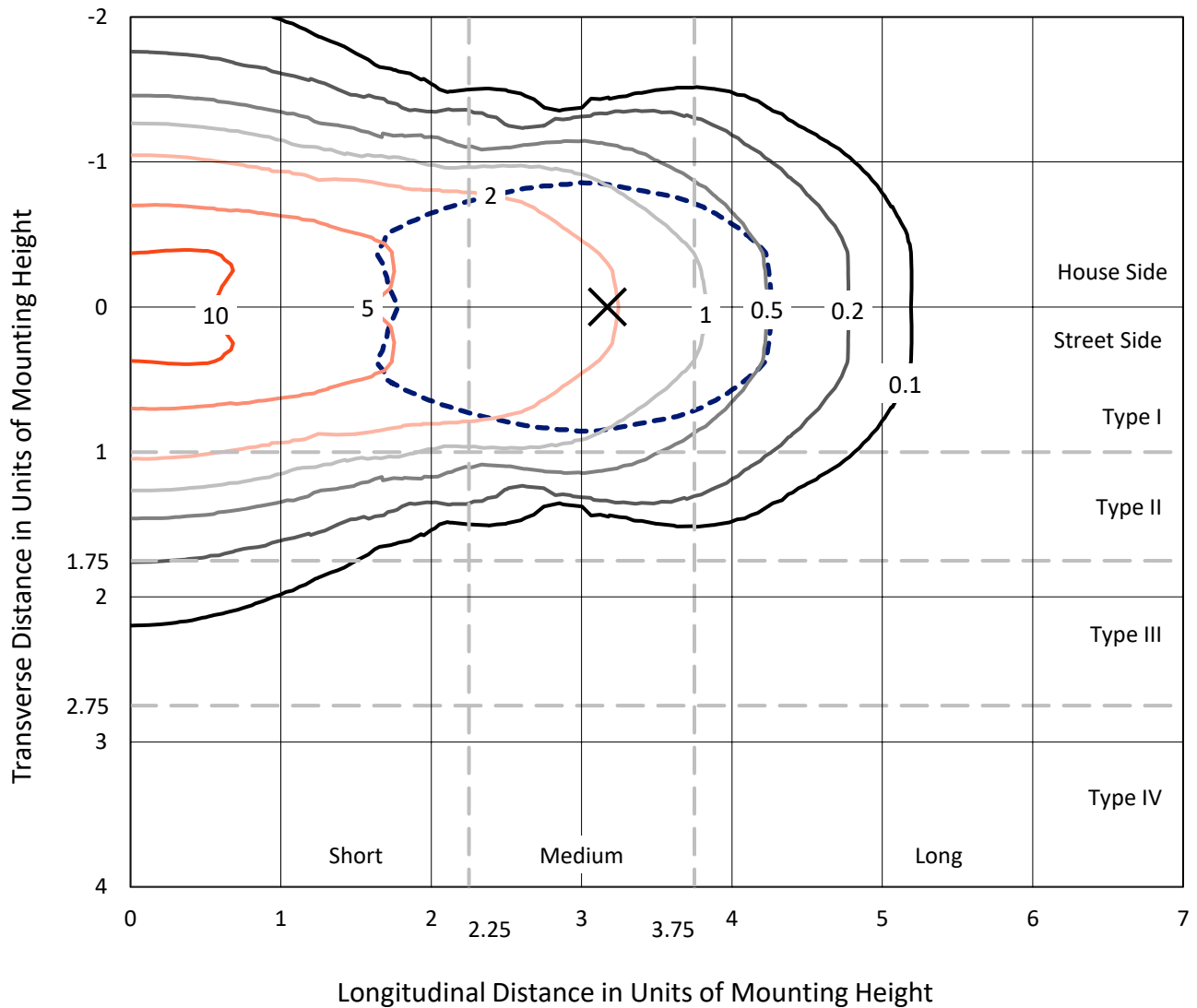
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

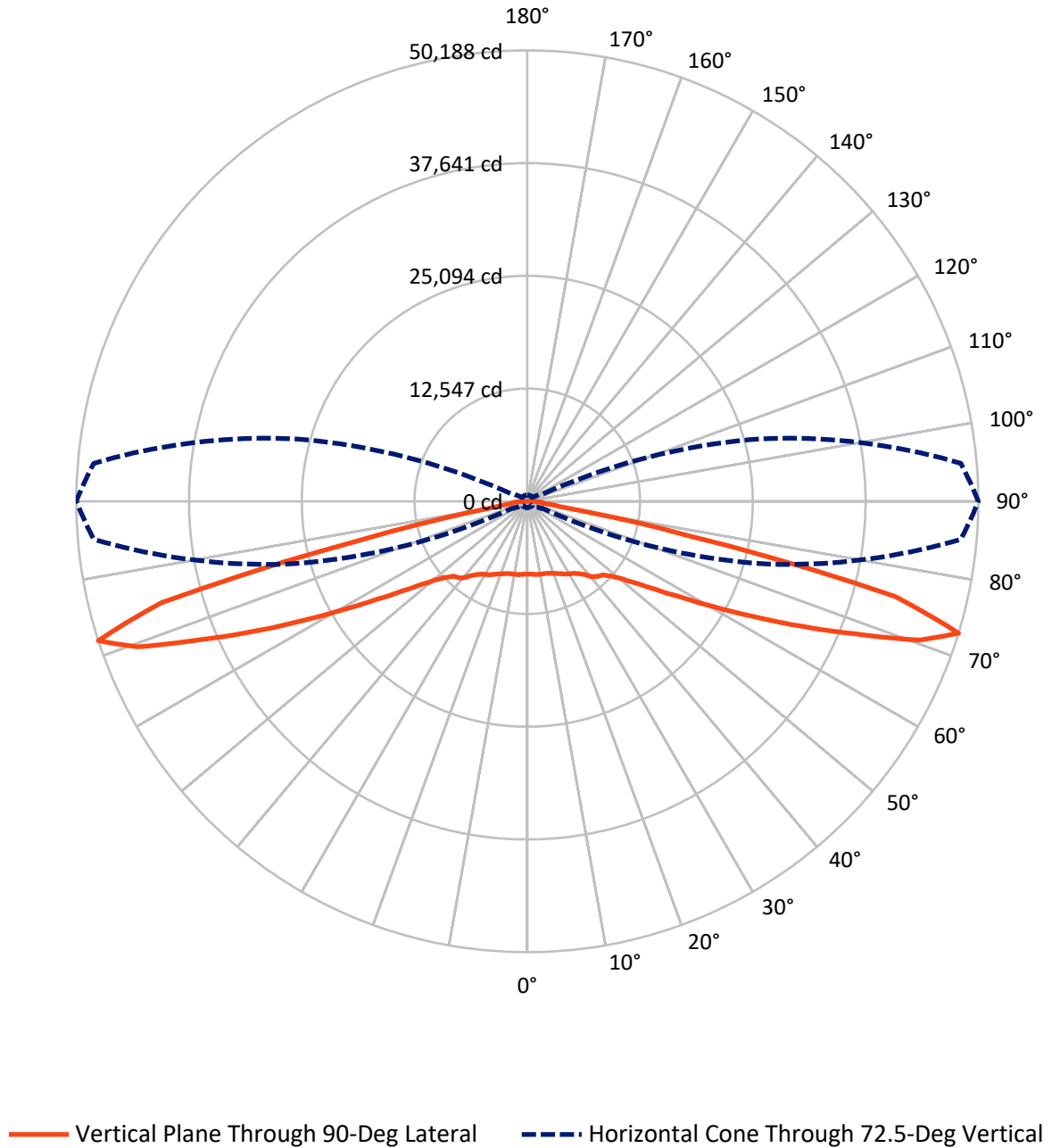
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 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	21706.0	0.0	21706.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21706.0	0.0	21706.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	43412.0	0.0	43412.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	786.6	1.8
10°-20°	2405.0	5.5
20°-30°	4010.1	9.2
30°-40°	5515.1	12.7
40°-50°	6735.4	15.5
50°-60°	7790.3	17.9
60°-70°	9288.6	21.4
70°-80°	6482.8	14.9
80°-90°	398.2	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°	43412.0	100.0
0°-180°	43412.0	100.0

Coefficient of Utilization



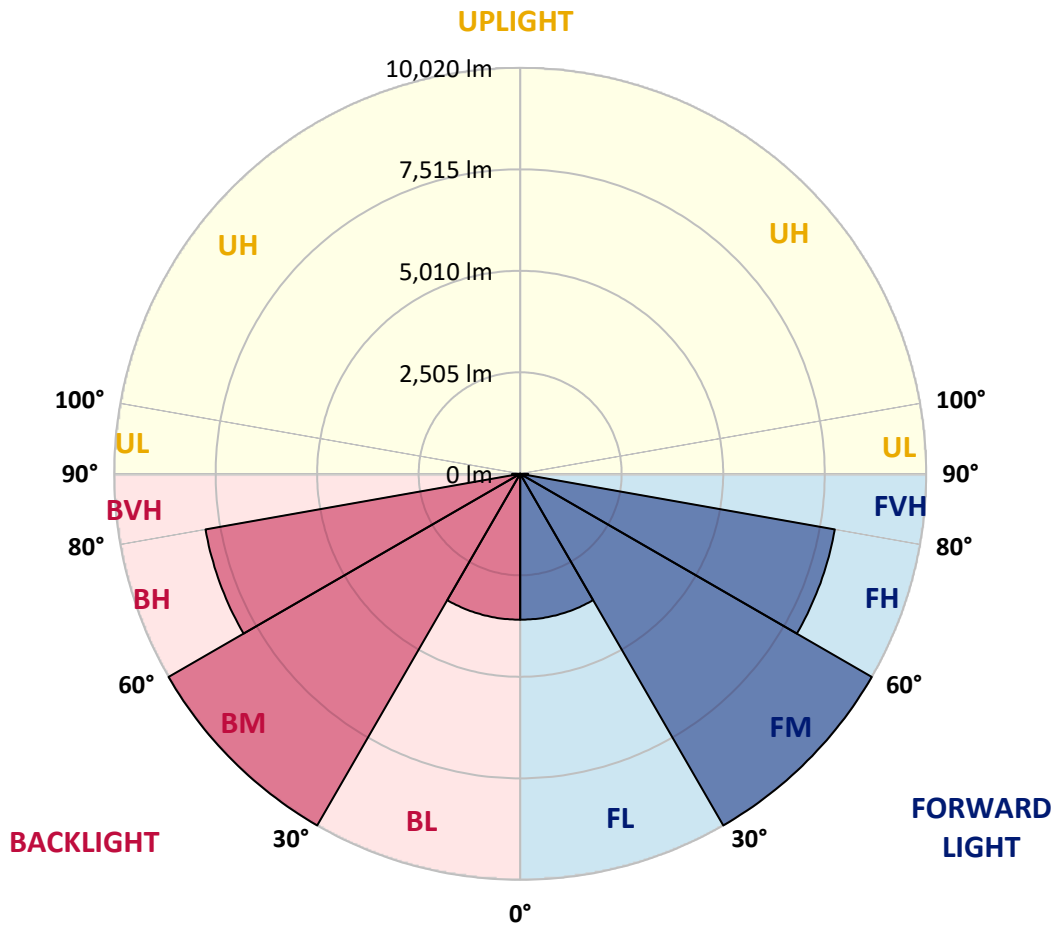
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3600.8	8.3			
FM (30°-60°)	10020.4	23.1			
FH (60°-80°)	7885.7	18.2			G4/12000
FVH (80°-90°)	199.1	0.5			G2/225
BL (0°-30°)	3600.8	8.3	B4/5000		
BM (30°-60°)	10020.4	23.1	B5		
BH (60°-80°)	7885.7	18.2	B5		G5
BVH (80°-90°)	199.1	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8112.0	8112.0	8112.0	8112.0	8112.0	8112.0	8112.0	8112.0	8112.0	8112.0
2.5°	8118.9	8128.1	8128.1	8121.2	8137.4	8123.5	8123.5	8116.6	8123.5	8116.6
5°	8160.4	8172.0	8176.6	8174.3	8195.0	8183.5	8183.5	8174.3	8176.6	8169.7
7.5°	8238.9	8255.0	8264.3	8275.8	8305.8	8291.9	8282.7	8255.0	8243.5	8225.0
10°	8264.3	8282.7	8312.7	8372.7	8441.9	8444.2	8416.5	8347.3	8294.3	8252.7
12.5°	8185.8	8211.2	8273.5	8395.8	8550.4	8612.6	8568.8	8453.5	8349.6	8275.8
15°	8086.6	8114.3	8208.9	8393.5	8621.9	8767.2	8762.6	8610.3	8444.2	8328.9
17.5°	7932.0	7959.7	8095.8	8354.2	8677.2	8917.2	8981.8	8824.9	8591.9	8437.3
20°	7652.9	7678.2	7867.4	8229.7	8695.7	9076.4	9244.8	9106.4	8815.7	8605.7
22.5°	7290.6	7329.9	7551.3	8015.1	8651.9	9242.5	9544.7	9450.1	9076.4	8785.7
25°	6903.0	6944.6	7203.0	7752.1	8538.8	9362.5	9900.0	9840.1	9371.7	9009.5
27.5°	6568.5	6612.3	6893.8	7491.4	8363.5	9408.6	10250.7	10280.7	9729.3	9256.3
30°	6305.5	6347.0	6646.9	7281.4	8137.4	9362.5	10557.6	10765.2	10093.8	9470.9
32.5°	6017.1	6070.1	6386.2	7025.3	7869.7	9251.7	10825.2	11289.0	10516.1	9701.6
35°	5652.6	5701.0	6033.2	6674.6	7519.0	9074.1	11049.0	11870.4	11120.5	10052.3
37.5°	5209.6	5255.7	5585.6	6236.3	7170.7	8824.9	11219.7	12525.6	11840.4	10557.6
40°	4764.3	4808.1	5117.3	5747.1	6753.1	8506.5	11279.7	13167.0	12666.3	11252.0
42.5°	4355.9	4395.1	4678.9	5264.9	6284.7	8100.5	11201.3	13725.3	13406.9	11736.5
45°	3979.9	4014.5	4265.9	4812.7	5797.9	7606.7	10966.0	14325.2	14288.3	12082.6
47.5°	3550.7	3585.3	3846.0	4374.4	5311.1	7027.6	10566.8	14915.8	15513.4	12867.1
50°	3027.0	3057.0	3324.6	3869.1	4805.8	6411.6	10013.1	15379.6	17059.2	14055.2
52.5°	2406.4	2438.7	2699.4	3243.9	4206.0	5749.5	9284.0	15681.8	18844.9	15790.2
55°	1790.4	1813.4	2039.5	2528.7	3463.1	4995.0	8370.4	15767.2	20870.6	18162.0
57.5°	1298.9	1312.8	1458.1	1822.7	2625.6	4051.4	7260.6	15545.7	23281.6	21202.8
60°	1052.1	1056.7	1100.5	1262.0	1825.0	2985.5	5920.2	14784.3	25897.9	25122.7
62.5°	955.2	955.2	966.7	1010.5	1234.3	1970.3	4298.2	13206.2	28703.4	30076.2
65°	888.3	888.3	892.9	913.6	973.6	1255.1	2713.2	10636.0	31068.3	35878.7
67.5°	828.3	830.6	828.3	835.2	869.8	927.5	1573.5	7346.0	32341.8	41891.2
70°	766.0	770.6	759.1	759.1	786.7	789.1	985.2	4028.3	31285.2	46930.0
72.5°	692.1	699.1	680.6	676.0	696.8	687.5	740.6	1933.4	26860.0	48434.3
75°	627.5	636.8	595.2	583.7	583.7	576.8	602.2	992.1	17432.9	39510.2
77.5°	569.9	588.3	521.4	484.5	475.3	454.5	491.4	606.8	7625.2	18549.6
80°	470.7	496.0	429.1	385.3	369.1	346.1	387.6	424.5	2267.9	4307.5
82.5°	350.7	362.2	304.5	274.6	260.7	244.6	290.7	295.3	738.3	1525.0
85°	223.8	228.4	186.9	161.5	154.6	147.7	184.6	161.5	281.5	1121.3
87.5°	78.4	90.0	71.5	64.6	69.2	57.7	85.4	48.5	78.4	791.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8112.0
8116.6
8169.7
8225.0
8245.8
8264.3
8310.4
8411.9
8566.5
8732.6
8935.6
9177.9
9357.9
9558.6
9893.1
10345.3
11025.9
11445.8
11690.4
12414.9
13487.7
15091.2
17287.6
20102.3
23736.1
28218.9
33530.0
39355.6
46263.3
50187.7
42260.3
18164.3
4125.2
1723.5
1628.9
980.5
0.0

OF REPORT)