

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: P943973

Luminaire Tested: **GALN-SB8C-950-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943973
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-950-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41675 lumens
Efficiency: N/A
Efficacy: 104.2 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

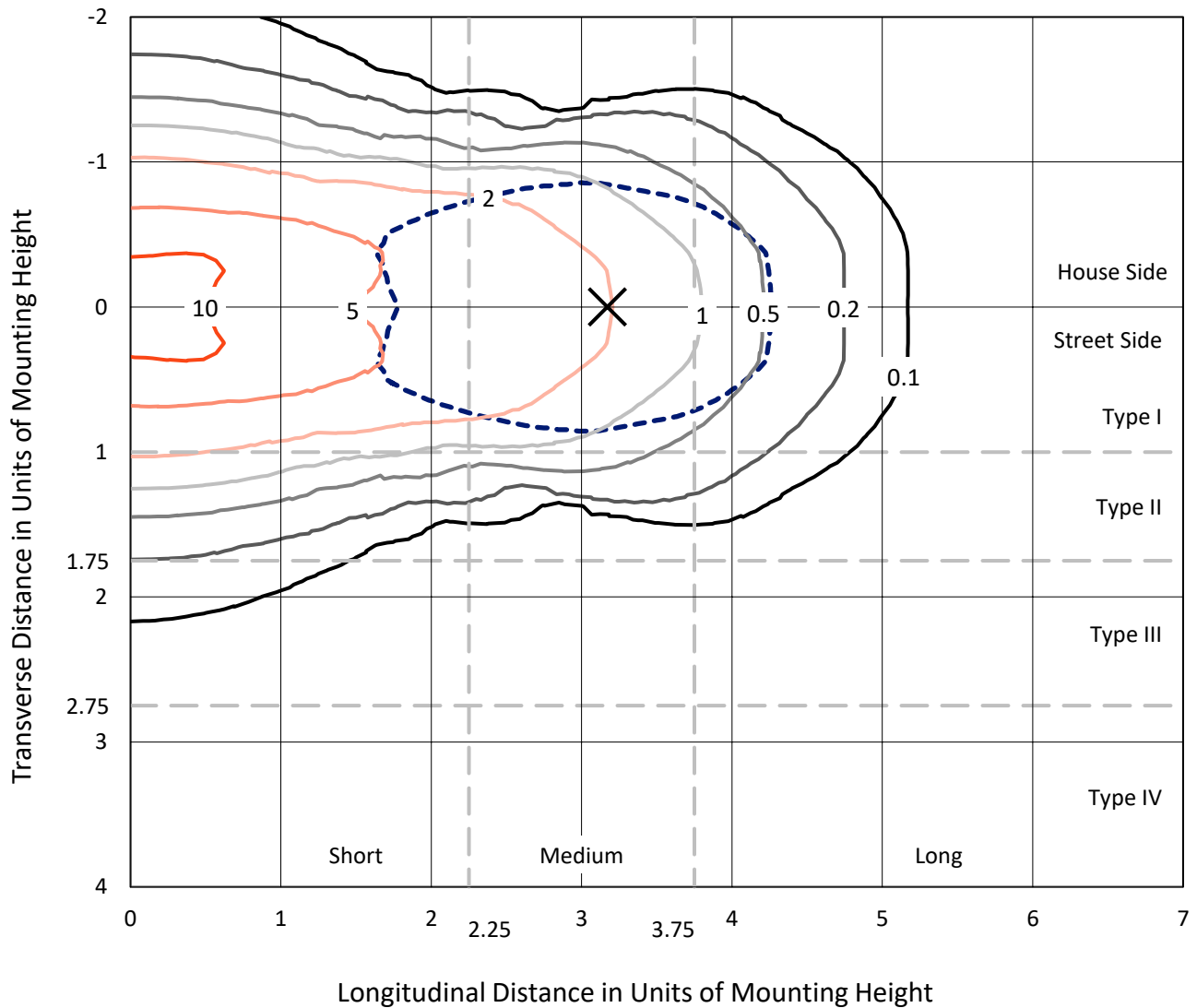
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

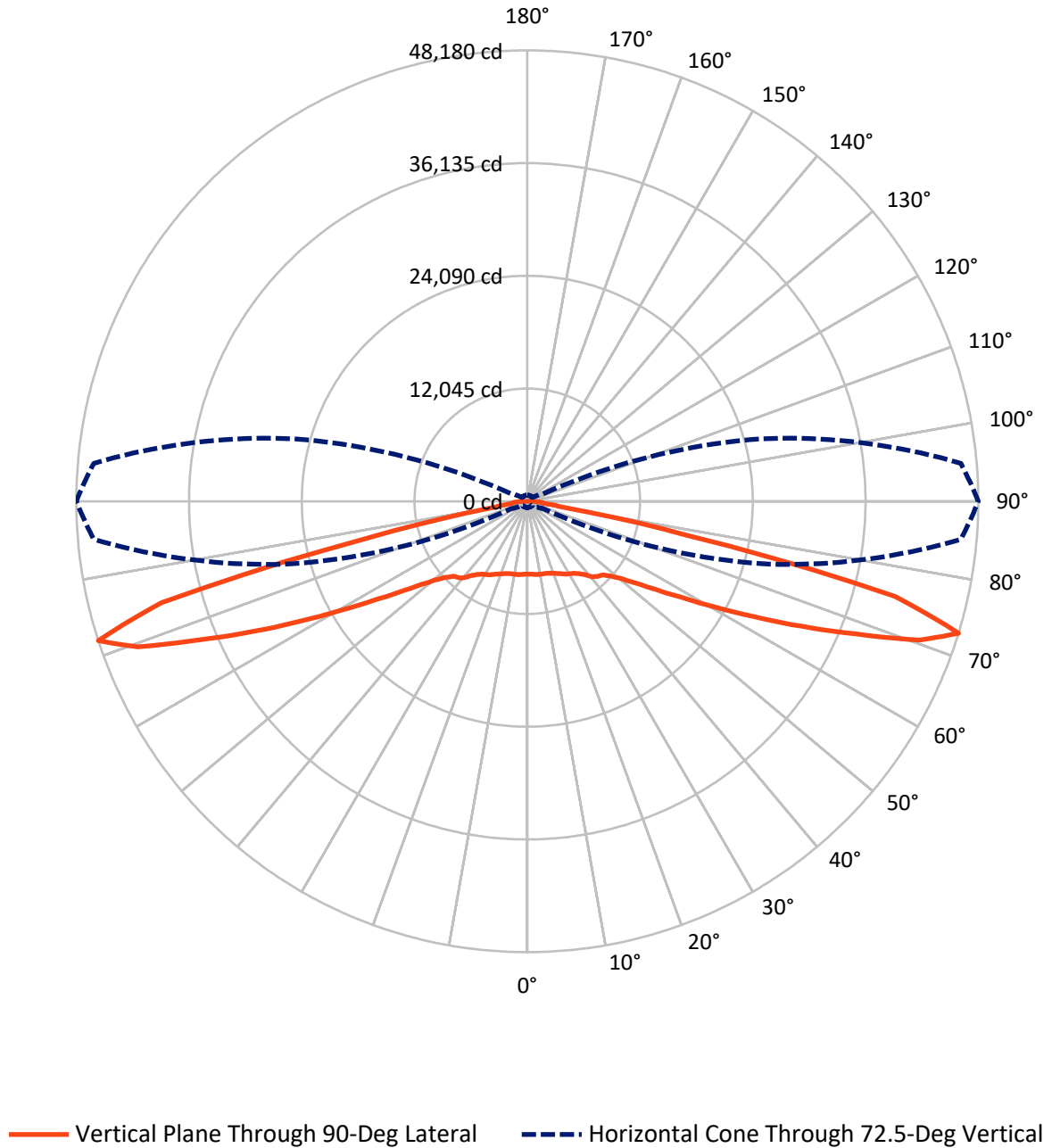
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 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	20837.5	0.0	20837.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20837.5	0.0	20837.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	41675.0	0.0	41675.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	755.1	1.8
10°-20°	2308.7	5.5
20°-30°	3849.6	9.2
30°-40°	5294.4	12.7
40°-50°	6465.9	15.5
50°-60°	7478.6	17.9
60°-70°	8916.9	21.4
70°-80°	6223.4	14.9
80°-90°	382.3	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°	41675.0	100.0
0°-180°	41675.0	100.0



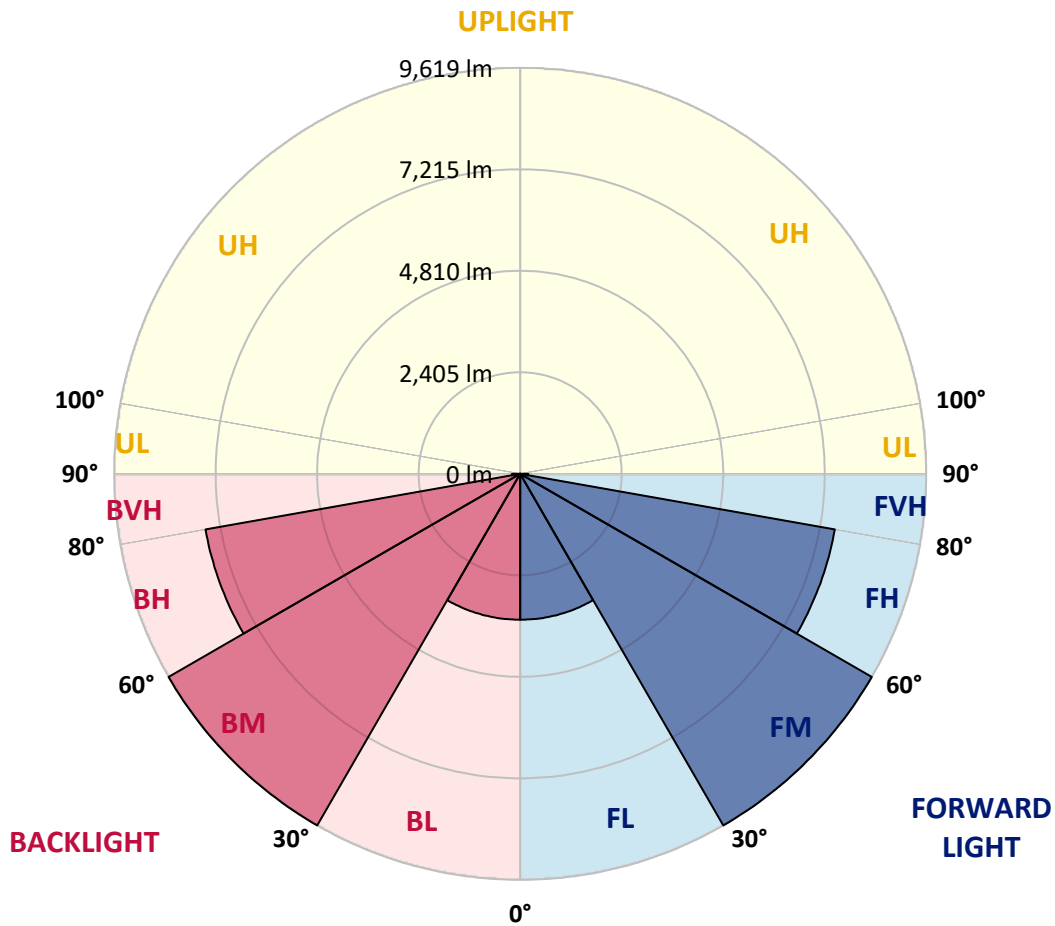
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3456.7	8.3			
FM (30°-60°)	9619.5	23.1			
FH (60°-80°)	7570.2	18.2			G4/12000
FVH (80°-90°)	191.1	0.5			G2/225
BL (0°-30°)	3456.7	8.3	B4/5000		
BM (30°-60°)	9619.5	23.1	B5		
BH (60°-80°)	7570.2	18.2	B5		G5
BVH (80°-90°)	191.1	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°	7787.4	7787.4	7787.4	7787.4	7787.4	7787.4	7787.4	7787.4	7787.4	7787.4
2.5°	7794.1	7802.9	7802.9	7796.3	7811.8	7798.5	7798.5	7791.8	7798.5	7791.8
5°	7833.9	7845.0	7849.4	7847.2	7867.1	7856.1	7856.1	7847.2	7849.4	7842.8
7.5°	7909.2	7924.7	7933.6	7944.7	7973.5	7960.2	7951.3	7924.7	7913.7	7895.9
10°	7933.6	7951.3	7980.1	8037.7	8104.1	8106.4	8079.8	8013.3	7962.4	7922.5
12.5°	7858.3	7882.7	7942.5	8059.8	8208.2	8268.0	8226.0	8115.2	8015.5	7944.7
15°	7763.1	7789.6	7880.4	8057.6	8276.9	8416.4	8412.0	8265.8	8106.4	7995.6
17.5°	7614.7	7641.2	7771.9	8020.0	8330.1	8560.4	8622.4	8471.8	8248.1	8099.7
20°	7346.7	7371.0	7552.6	7900.4	8347.8	8713.2	8874.9	8742.0	8462.9	8261.4
22.5°	6998.9	7036.6	7249.2	7694.4	8305.7	8872.7	9162.8	9072.0	8713.2	8434.1
25°	6626.8	6666.7	6914.8	7441.9	8197.2	8987.9	9503.9	9446.3	8996.7	8649.0
27.5°	6305.7	6347.8	6618.0	7191.6	8028.8	9032.2	9840.6	9869.4	9340.0	8886.0
30°	6053.2	6093.1	6381.0	6990.1	7811.8	8987.9	10135.2	10334.5	9690.0	9092.0
32.5°	5776.3	5827.3	6130.7	6744.2	7554.9	8881.5	10392.1	10837.3	10095.3	9313.4
35°	5426.4	5472.9	5791.8	6407.6	7218.2	8711.0	10606.9	11395.4	10675.6	9650.1
37.5°	5001.1	5045.4	5362.2	5986.7	6883.8	8471.8	10770.8	12024.4	11366.6	10135.2
40°	4573.7	4615.7	4912.5	5517.2	6482.9	8166.2	10828.4	12640.2	12159.5	10801.8
42.5°	4181.6	4219.3	4491.7	5054.3	6033.3	7776.3	10753.1	13176.1	12870.5	11266.9
45°	3820.6	3853.8	4095.3	4620.2	5565.9	7302.4	10527.2	13752.0	13716.6	11599.2
47.5°	3408.7	3441.9	3692.2	4199.4	5098.6	6746.4	10144.0	14319.0	14892.7	12352.2
50°	2905.9	2934.7	3191.6	3714.3	4613.5	6155.1	9612.5	14764.2	16376.6	13492.9
52.5°	2310.1	2341.1	2591.4	3114.1	4037.7	5519.4	8912.6	15054.3	18090.9	15158.4
55°	1718.7	1740.9	1957.9	2427.5	3324.5	4795.2	8035.5	15136.3	20035.5	17435.3
57.5°	1247.0	1260.2	1399.8	1749.7	2520.5	3889.3	6970.1	14923.7	22350.1	20354.5
60°	1010.0	1014.4	1056.5	1211.5	1751.9	2866.0	5683.3	14192.8	24861.7	24117.5
62.5°	916.9	916.9	928.0	970.1	1184.9	1891.5	4126.3	12677.8	27555.0	28872.8
65°	852.7	852.7	857.1	877.1	934.7	1204.9	2604.7	10210.5	29825.2	34443.1
67.5°	795.1	797.3	795.1	801.8	835.0	890.4	1510.5	7052.1	31047.8	40215.0
70°	735.3	739.8	728.7	728.7	755.3	757.5	945.7	3867.1	30033.4	45052.3
72.5°	664.5	671.1	653.4	649.0	668.9	660.0	711.0	1856.0	25785.3	46496.4
75°	602.4	611.3	571.4	560.4	560.4	553.7	578.1	952.4	16735.4	37929.3
77.5°	547.1	564.8	500.6	465.1	456.3	436.3	471.8	582.5	7320.1	17807.4
80°	451.8	476.2	412.0	369.9	354.4	332.2	372.1	407.5	2177.2	4135.1
82.5°	336.7	347.7	292.4	263.6	250.3	234.8	279.1	283.5	708.8	1464.0
85°	214.8	219.3	179.4	155.0	148.4	141.8	177.2	155.0	270.2	1076.4
87.5°	75.3	86.4	68.7	62.0	66.4	55.4	81.9	46.5	75.3	759.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7787.4
7791.8
7842.8
7895.9
7915.9
7933.6
7977.9
8075.3
8223.7
8383.2
8578.1
8810.7
8983.4
9176.1
9497.3
9931.4
10584.8
10987.9
11222.6
11918.1
12948.0
14487.3
16595.9
19298.0
22786.4
27089.8
32188.4
37780.9
44412.2
48179.6
40569.4
17437.5
3960.2
1654.5
1563.7
941.3
0.0

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