

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: P943630

Luminaire Tested: **GALN-SB8A-950-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943630
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8A-950-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25524 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

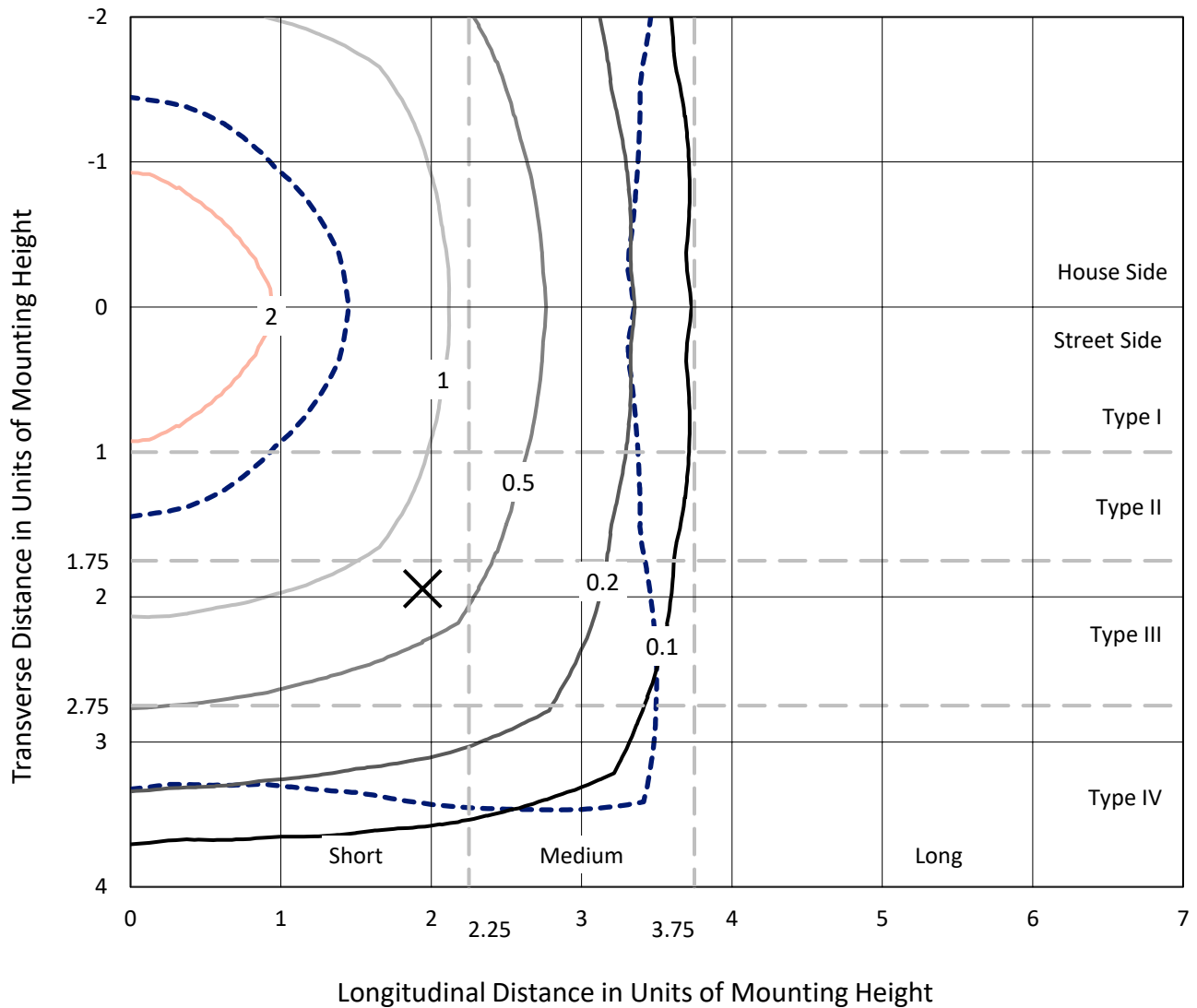
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

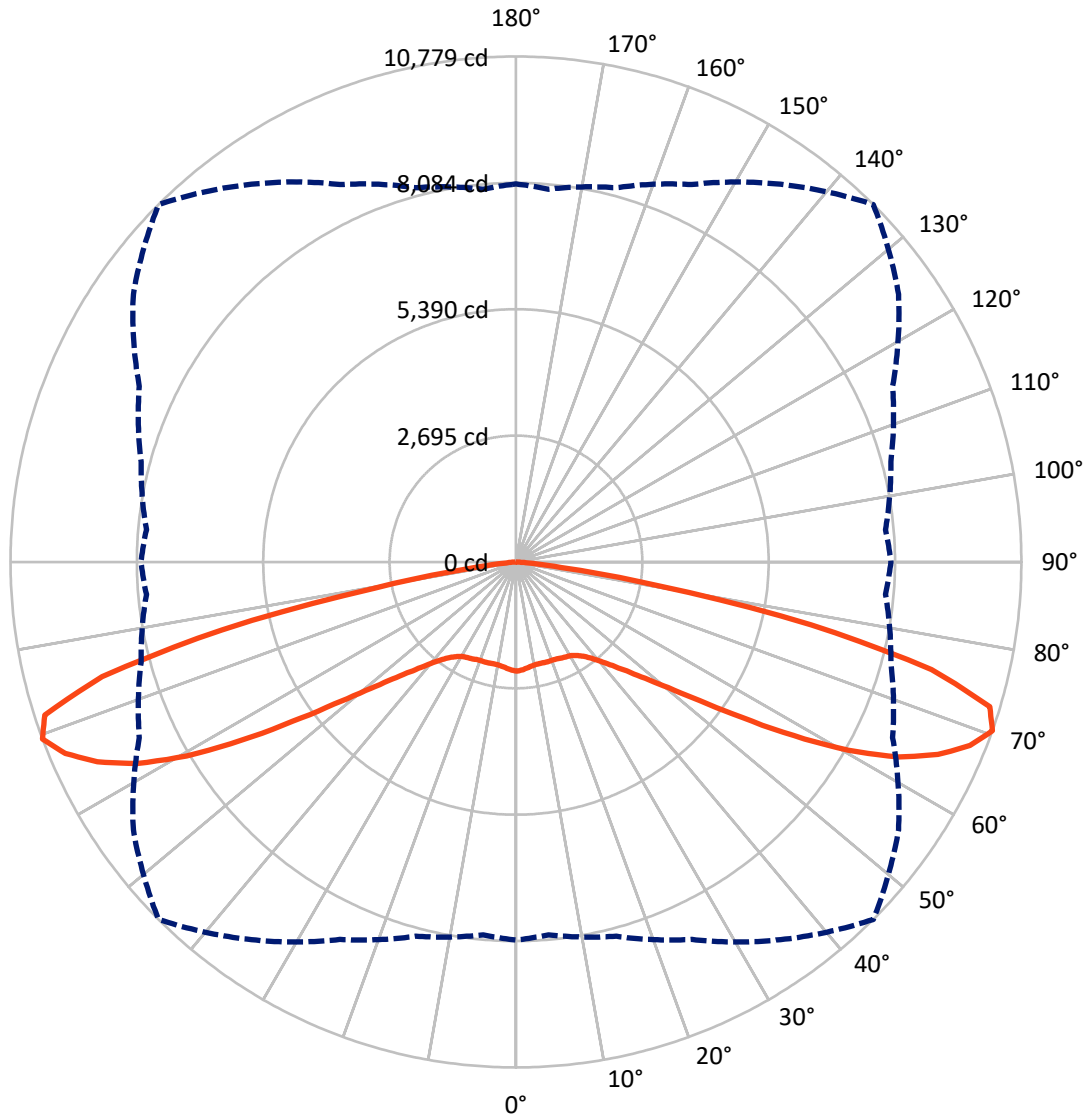
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12762.0	0.0	12762.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12762.0	0.0	12762.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25524.0	0.0	25524.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.6	0.8
10°-20°	636.0	2.5
20°-30°	1058.3	4.1
30°-40°	1600.5	6.3
40°-50°	2659.6	10.4
50°-60°	5018.7	19.7
60°-70°	8474.2	33.2
70°-80°	5568.4	21.8
80°-90°	291.7	1.1
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°	25524.0	100.0
0°-180°	25524.0	100.0

Coefficient of Utilization



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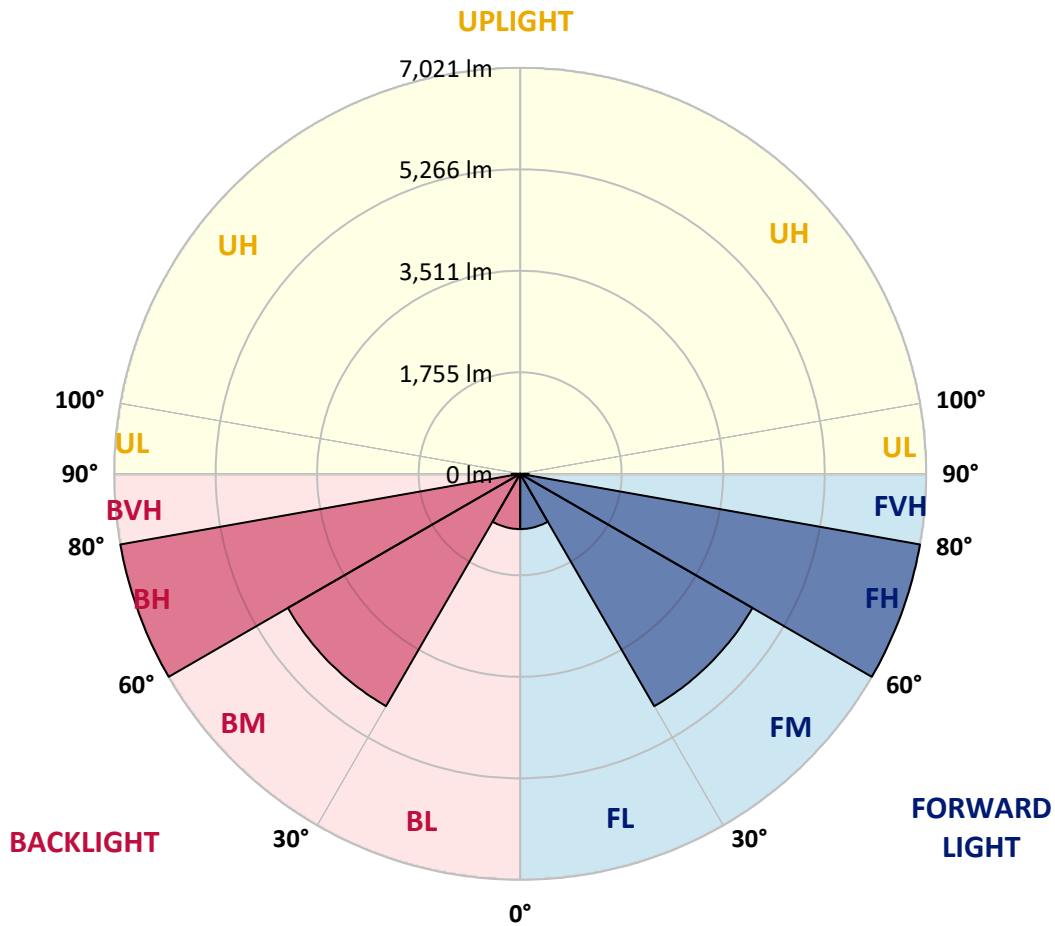
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	955.4	3.7			
FM (30°-60°)	4639.4	18.2			
FH (60°-80°)	7021.3	27.5			G3/7500
FVH (80°-90°)	145.9	0.6			G2/225
BL (0°-30°)	955.4	3.7	B2/1000		
BM (30°-60°)	4639.4	18.2	B3/5000		
BH (60°-80°)	7021.3	27.5	B5		G3/7500
BVH (80°-90°)	145.9	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2328.3	2328.3	2328.3	2328.3	2328.3	2328.3	2328.3	2328.3	2328.3	2328.3
2.5°	2313.7	2320.3	2317.7	2312.4	2312.4	2308.4	2312.4	2315.0	2319.0	2321.7
5°	2283.2	2288.5	2287.2	2283.2	2284.5	2280.5	2283.2	2287.2	2289.8	2291.2
7.5°	2256.7	2262.0	2259.3	2252.7	2252.7	2248.7	2250.0	2254.0	2258.0	2259.3
10°	2250.0	2255.3	2247.4	2236.8	2232.8	2227.5	2228.8	2232.8	2240.7	2244.7
12.5°	2252.7	2256.7	2248.7	2232.8	2228.8	2223.5	2223.5	2227.5	2238.1	2243.4
15°	2260.6	2264.6	2252.7	2235.4	2231.5	2227.5	2226.1	2231.5	2243.4	2252.7
17.5°	2275.2	2279.2	2260.6	2236.8	2231.5	2232.8	2231.5	2235.4	2254.0	2271.3
20°	2288.5	2291.2	2265.9	2236.8	2231.5	2232.8	2231.5	2239.4	2263.3	2287.2
22.5°	2292.5	2295.1	2271.3	2246.0	2242.1	2243.4	2242.1	2250.0	2272.6	2296.5
25°	2293.8	2297.8	2279.2	2259.3	2265.9	2268.6	2265.9	2267.3	2284.5	2305.7
27.5°	2313.7	2319.0	2301.8	2284.5	2288.5	2287.2	2291.2	2295.1	2308.4	2329.6
30°	2354.8	2358.8	2344.2	2327.0	2324.3	2315.0	2327.0	2340.2	2354.8	2373.4
32.5°	2422.5	2430.5	2411.9	2393.3	2381.4	2376.1	2385.3	2407.9	2427.8	2447.7
35°	2535.3	2540.6	2523.3	2488.8	2467.6	2467.6	2475.6	2504.7	2536.6	2561.8
37.5°	2694.5	2701.1	2670.6	2629.5	2597.6	2597.6	2608.2	2638.7	2686.5	2722.3
40°	2888.2	2897.4	2859.0	2816.5	2786.0	2780.7	2794.0	2828.5	2873.6	2918.7
42.5°	3121.7	3132.3	3081.9	3044.7	3020.8	3020.8	3027.5	3059.3	3100.4	3156.1
45°	3420.2	3438.7	3369.7	3332.6	3310.0	3315.3	3319.3	3347.2	3384.3	3448.0
47.5°	3775.7	3794.3	3721.3	3682.8	3678.9	3704.1	3688.1	3708.0	3727.9	3800.9
50°	4179.0	4210.8	4160.4	4157.8	4165.7	4212.2	4175.0	4185.6	4163.1	4209.5
52.5°	4672.5	4719.0	4709.7	4725.6	4814.5	4910.0	4825.1	4787.9	4703.0	4717.6
55°	5270.9	5341.2	5354.4	5450.0	5651.6	5846.6	5666.2	5516.3	5335.9	5302.7
57.5°	5951.4	6007.2	6070.8	6265.9	6642.6	6988.9	6642.6	6311.0	6027.1	5959.4
60°	6683.8	6752.7	6813.8	7101.7	7661.5	8148.4	7650.9	7124.2	6748.8	6657.2
62.5°	7470.5	7559.4	7601.8	7921.5	8574.3	9155.3	8583.5	7945.4	7528.8	7430.7
65°	8225.3	8298.3	8346.1	8687.0	9310.6	9893.0	9353.0	8724.2	8295.7	8167.0
67.5°	8576.9	8616.7	8733.5	9119.5	9777.5	10442.2	9889.0	9160.6	8681.7	8456.2
70°	8062.2	7981.2	8262.5	8880.7	9833.3	10779.2	9960.6	8862.1	8275.8	7909.6
72.5°	6230.0	6090.7	6578.9	7636.3	9196.5	10564.3	9260.1	7696.0	6882.8	6139.8
75°	3389.6	3231.8	3905.7	5243.0	7333.8	9156.7	7502.3	5392.9	4348.8	3364.4
77.5°	956.5	896.8	1440.8	2536.6	4411.2	6429.0	4581.0	2592.3	1708.7	1013.6
80°	293.2	283.9	384.7	764.2	1873.3	3079.2	1800.3	773.4	489.5	309.1
82.5°	173.8	159.2	191.0	278.6	477.6	967.1	464.3	290.5	233.5	156.5
85°	99.5	92.9	112.8	135.3	160.5	205.6	134.0	138.0	124.7	83.6
87.5°	41.1	37.1	43.8	42.5	37.1	47.8	35.8	42.5	50.4	33.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2328.3
2320.3
2291.2
2259.3
2244.7
2244.7
2254.0
2271.3
2288.5
2296.5
2304.4
2324.3
2369.4
2439.7
2552.5
2709.1
2904.1
3152.2
3445.4
3779.7
4181.7
4668.5
5251.0
5911.6
6577.6
7351.1
8103.3
8458.8
7997.2
6324.2
3583.3
1126.3
326.4
169.8
87.6
30.5
0.0

OF REPORT)