

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: P943620

Luminaire Tested: **GALN-SB8A-940-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943620
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-940-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26587 lumens
Efficiency: N/A
Efficacy: 117.1 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

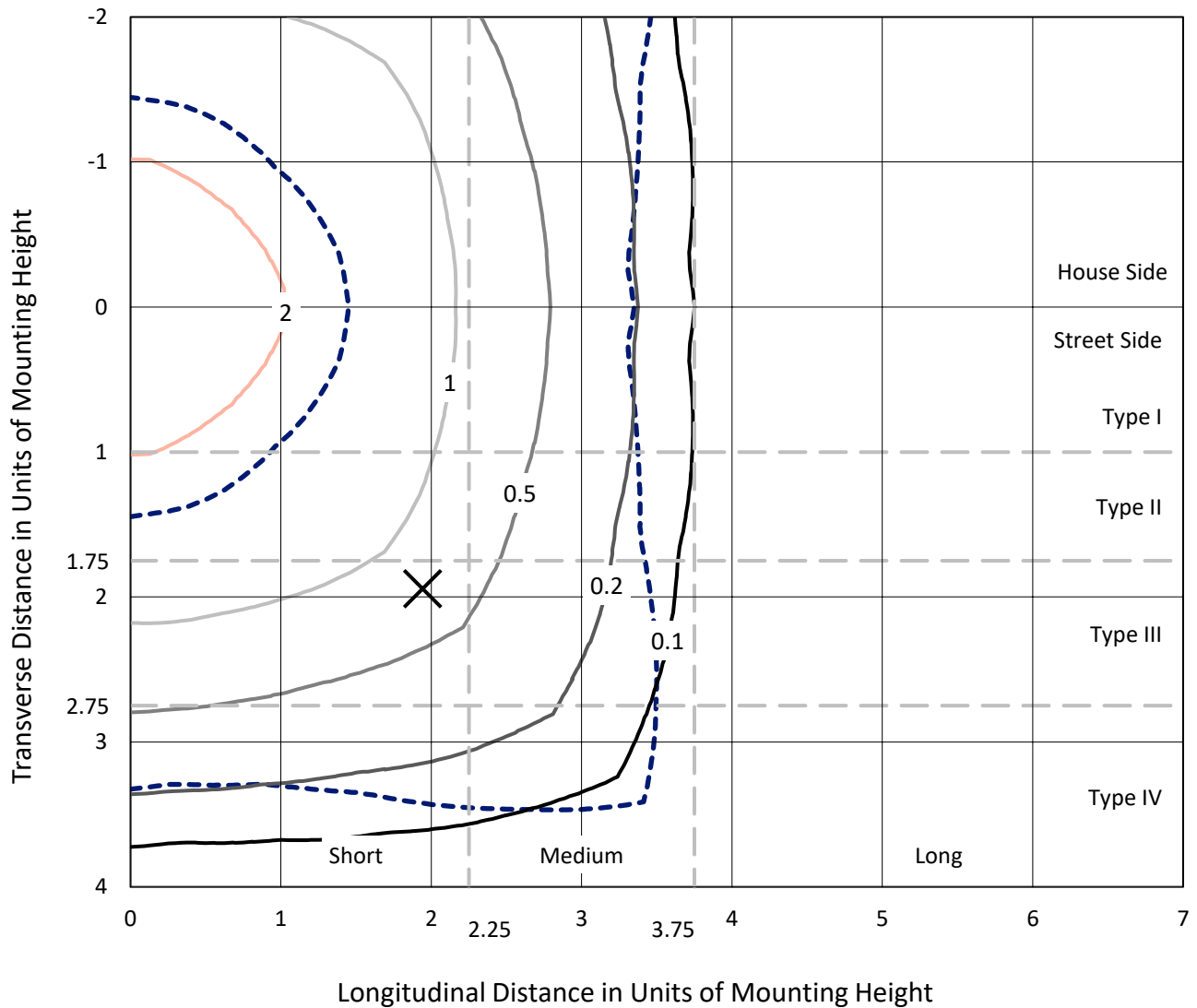
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

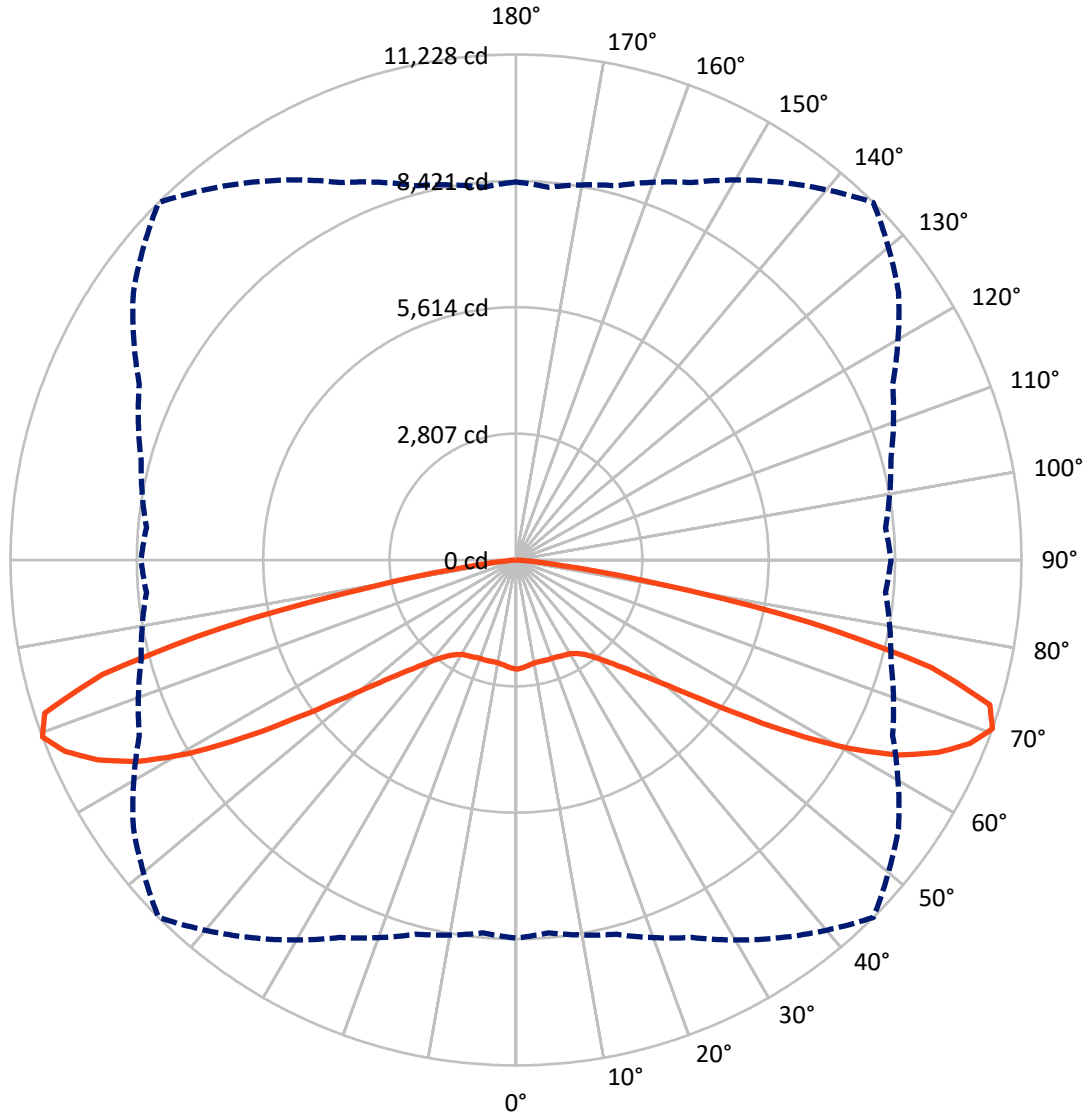
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	13293.5	0.0	13293.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13293.5	0.0	13293.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26587.0	0.0	26587.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.6	0.8
10°-20°	662.4	2.5
20°-30°	1102.4	4.1
30°-40°	1667.2	6.3
40°-50°	2770.4	10.4
50°-60°	5227.7	19.7
60°-70°	8827.1	33.2
70°-80°	5800.3	21.8
80°-90°	303.9	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°	26587.0	100.0
0°-180°	26587.0	100.0

Coefficient of Utilization



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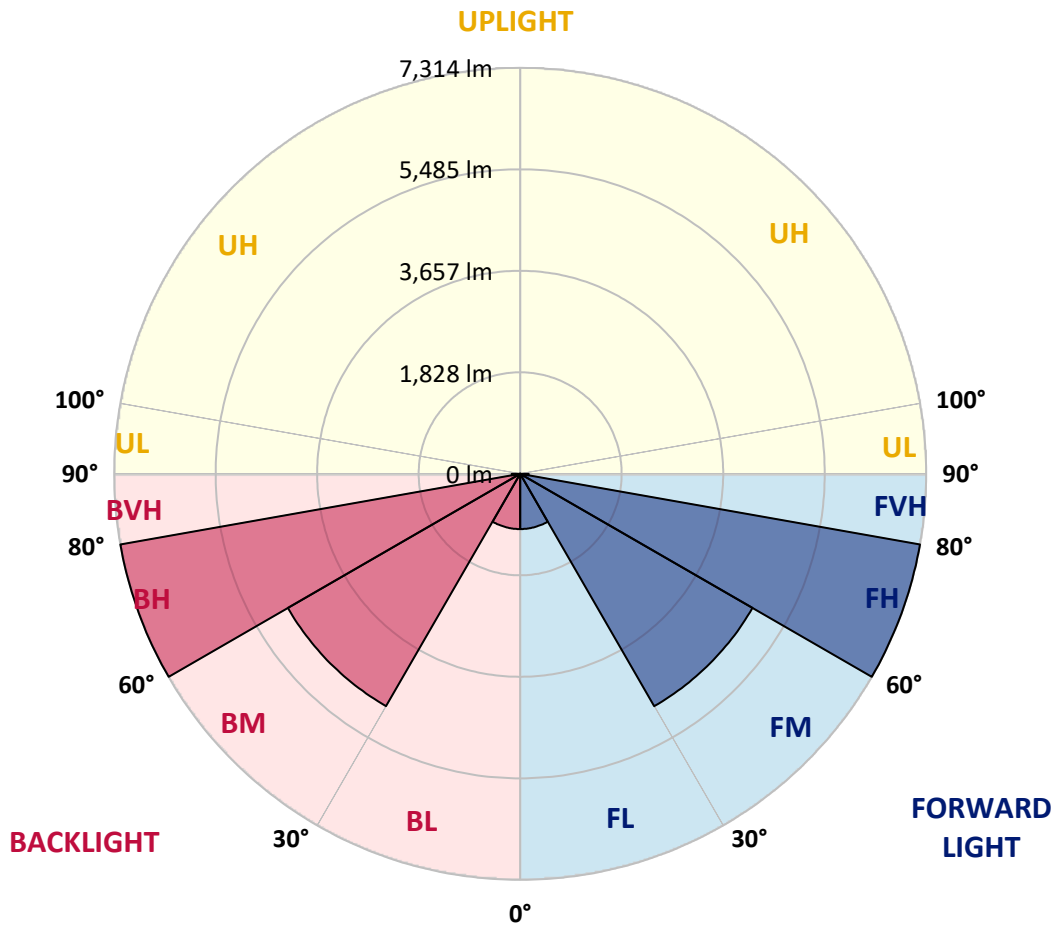
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	995.2	3.7			
FM (30°-60°)	4832.6	18.2			
FH (60°-80°)	7313.7	27.5			G3/7500
FVH (80°-90°)	151.9	0.6			G2/225
BL (0°-30°)	995.2	3.7	B2/1000		
BM (30°-60°)	4832.6	18.2	B3/5000		
BH (60°-80°)	7313.7	27.5	B5		G3/7500
BVH (80°-90°)	151.9	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°	2425.3	2425.3	2425.3	2425.3	2425.3	2425.3	2425.3	2425.3	2425.3	2425.3
2.5°	2410.1	2417.0	2414.2	2408.7	2408.7	2404.5	2408.7	2411.5	2415.6	2418.4
5°	2378.3	2383.8	2382.4	2378.3	2379.7	2375.5	2378.3	2382.4	2385.2	2386.6
7.5°	2350.6	2356.2	2353.4	2346.5	2346.5	2342.4	2343.7	2347.9	2352.0	2353.4
10°	2343.7	2349.3	2341.0	2329.9	2325.8	2320.2	2321.6	2325.8	2334.1	2338.2
12.5°	2346.5	2350.6	2342.4	2325.8	2321.6	2316.1	2316.1	2320.2	2331.3	2336.8
15°	2354.8	2358.9	2346.5	2328.5	2324.4	2320.2	2318.9	2324.4	2336.8	2346.5
17.5°	2370.0	2374.1	2354.8	2329.9	2324.4	2325.8	2324.4	2328.5	2347.9	2365.8
20°	2383.8	2386.6	2360.3	2329.9	2324.4	2325.8	2324.4	2332.7	2357.6	2382.4
22.5°	2388.0	2390.7	2365.8	2339.6	2335.4	2336.8	2335.4	2343.7	2367.2	2392.1
25°	2389.3	2393.5	2374.1	2353.4	2360.3	2363.1	2360.3	2361.7	2379.7	2401.8
27.5°	2410.1	2415.6	2397.6	2379.7	2383.8	2382.4	2386.6	2390.7	2404.5	2426.7
30°	2452.9	2457.1	2441.9	2423.9	2421.1	2411.5	2423.9	2437.7	2452.9	2472.3
32.5°	2523.4	2531.7	2512.3	2493.0	2480.5	2475.0	2484.7	2508.2	2528.9	2549.6
35°	2640.8	2646.4	2628.4	2592.5	2570.4	2570.4	2578.7	2609.1	2642.2	2668.5
37.5°	2806.7	2813.6	2781.8	2739.0	2705.8	2705.8	2716.9	2748.6	2798.4	2835.7
40°	3008.4	3018.1	2978.0	2933.8	2902.0	2896.5	2910.3	2946.3	2993.2	3040.2
42.5°	3251.7	3262.7	3210.2	3171.5	3146.6	3146.6	3153.5	3186.7	3229.5	3287.6
45°	3562.6	3581.9	3510.1	3471.4	3447.9	3453.4	3457.6	3486.6	3525.3	3591.6
47.5°	3932.9	3952.3	3876.3	3836.2	3832.1	3858.3	3841.7	3862.5	3883.2	3959.2
50°	4353.0	4386.2	4333.7	4330.9	4339.2	4387.6	4348.9	4360.0	4336.5	4384.8
52.5°	4867.1	4915.5	4905.8	4922.4	5015.0	5114.5	5026.0	4987.3	4898.9	4914.1
55°	5490.4	5563.6	5577.4	5676.9	5887.0	6090.1	5902.2	5746.0	5558.1	5523.5
57.5°	6199.3	6257.3	6323.7	6526.8	6919.3	7280.0	6919.3	6573.8	6278.1	6207.6
60°	6962.1	7034.0	7097.5	7397.4	7980.6	8487.8	7969.5	7420.9	7029.8	6934.5
62.5°	7781.6	7874.2	7918.4	8251.4	8931.3	9536.6	8941.0	8276.3	7842.4	7740.1
65°	8567.9	8643.9	8693.7	9048.8	9698.3	10305.0	9742.5	9087.5	8641.1	8507.1
67.5°	8934.1	8975.6	9097.2	9499.3	10184.8	10877.1	10300.8	9542.2	9043.3	8808.4
70°	8397.9	8313.6	8606.6	9250.6	10242.8	11228.1	10375.5	9231.2	8620.4	8239.0
72.5°	6489.5	6344.4	6852.9	7954.3	9579.5	11004.2	9645.8	8016.5	7169.4	6395.5
75°	3530.8	3366.4	4068.4	5461.3	7639.3	9538.0	7814.8	5617.5	4529.9	3504.5
77.5°	996.4	934.2	1500.8	2642.2	4594.9	6696.8	4771.8	2700.3	1779.9	1055.8
80°	305.4	295.7	400.8	796.0	1951.3	3207.4	1875.3	805.7	509.9	322.0
82.5°	181.0	165.8	199.0	290.2	497.5	1007.4	483.7	302.6	243.2	163.1
85°	103.6	96.7	117.5	141.0	167.2	214.2	139.6	143.7	129.9	87.1
87.5°	42.8	38.7	45.6	44.2	38.7	49.7	37.3	44.2	52.5	34.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2425.3
2417.0
2386.6
2353.4
2338.2
2338.2
2347.9
2365.8
2383.8
2392.1
2400.4
2421.1
2468.1
2541.4
2658.8
2821.9
3025.0
3283.4
3588.8
3937.1
4355.8
4863.0
5469.6
6157.8
6851.6
7657.2
8440.8
8811.1
8330.2
6587.6
3732.6
1173.3
340.0
176.9
91.2
31.8
0.0

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