

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: P941380

Luminaire Tested: **GALN-SB4D-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941380
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-SB4D-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25110 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

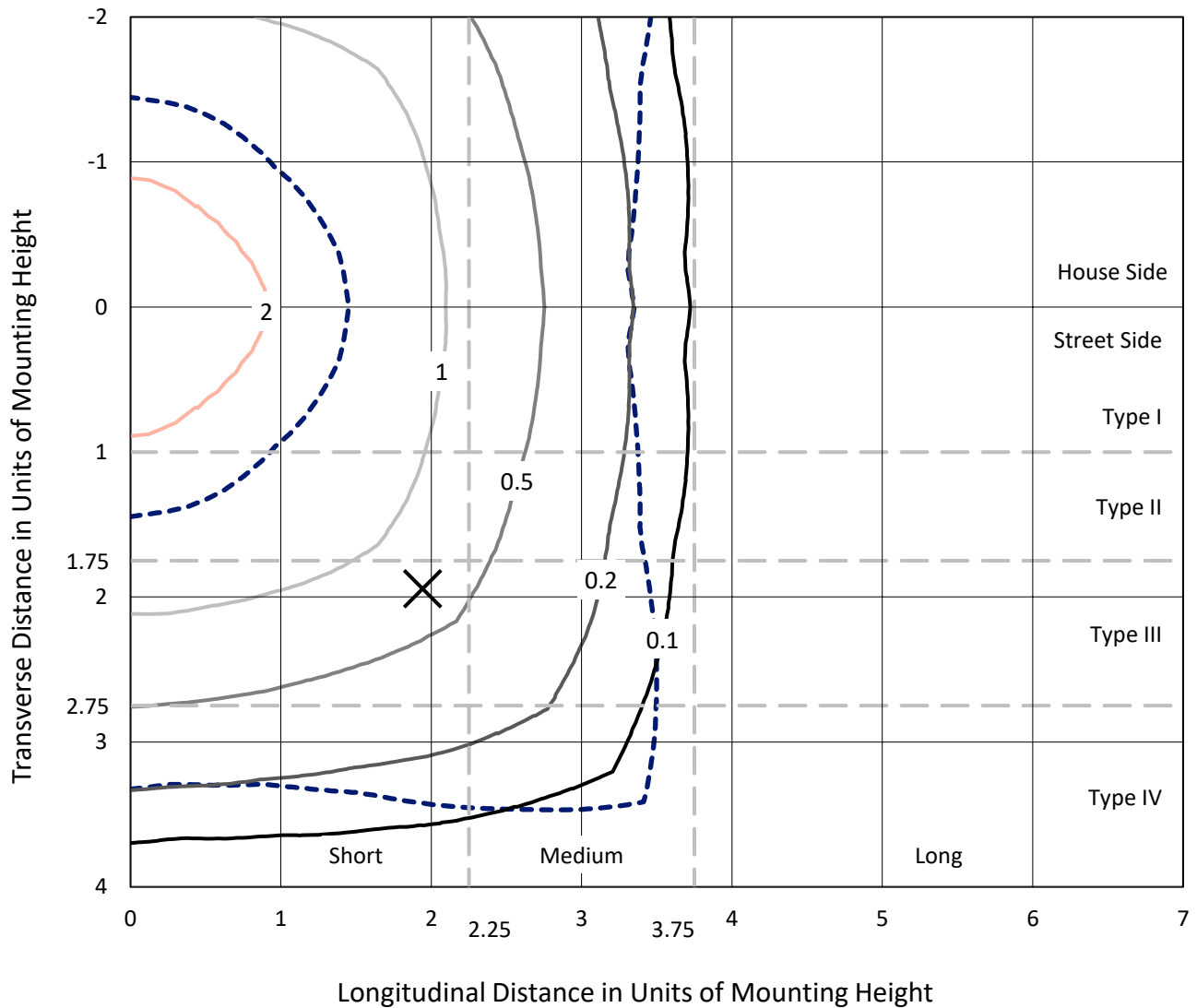
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

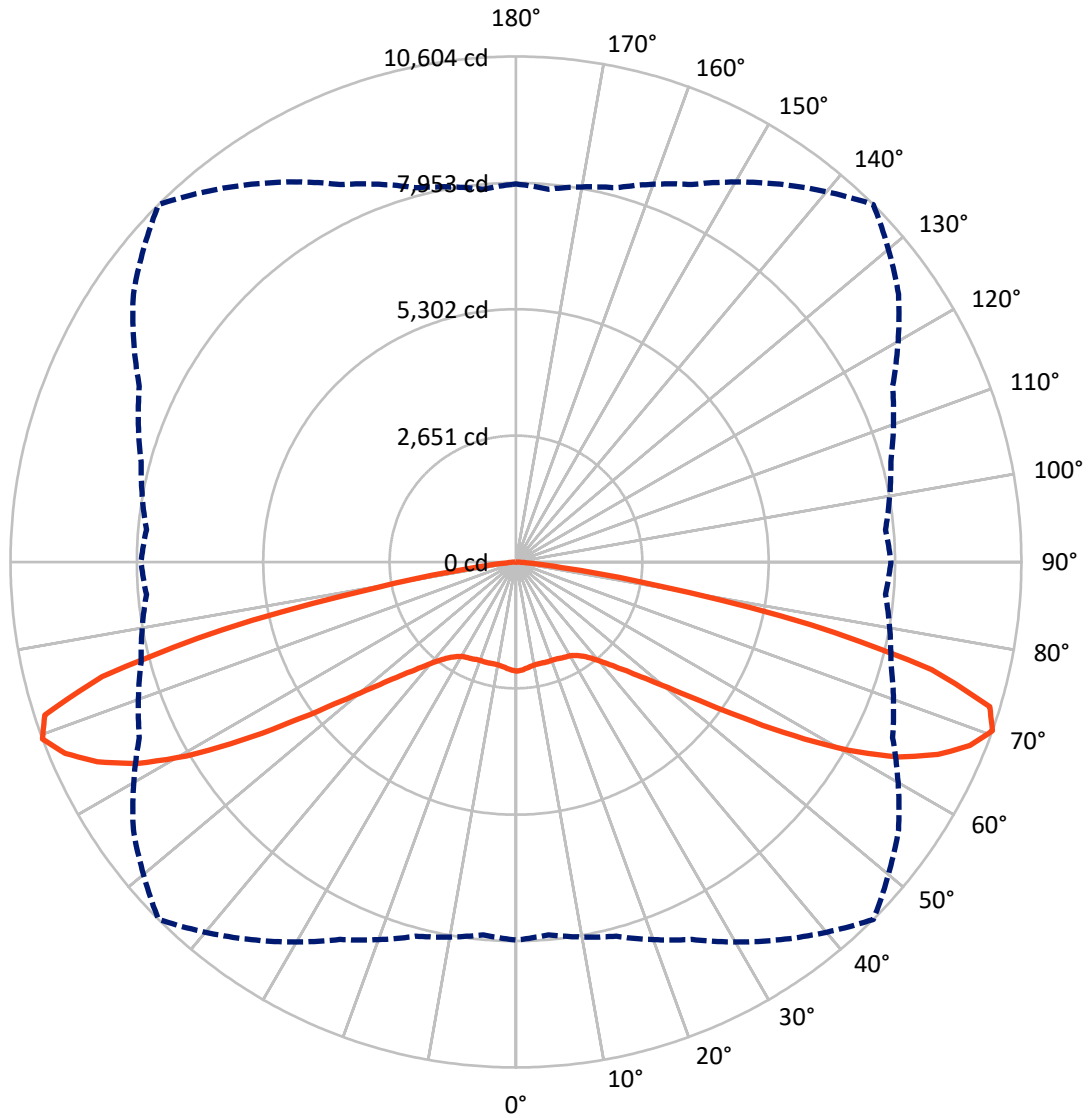
✕ Max cd
 - - - 1/2 Max cd



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	12555.0	0.0	12555.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12555.0	0.0	12555.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25110.0	0.0	25110.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.1	0.8
10°-20°	625.6	2.5
20°-30°	1041.2	4.1
30°-40°	1574.5	6.3
40°-50°	2616.5	10.4
50°-60°	4937.2	19.7
60°-70°	8336.7	33.2
70°-80°	5478.1	21.8
80°-90°	287.0	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°	25110.0	100.0
0°-180°	25110.0	100.0

Coefficient of Utilization



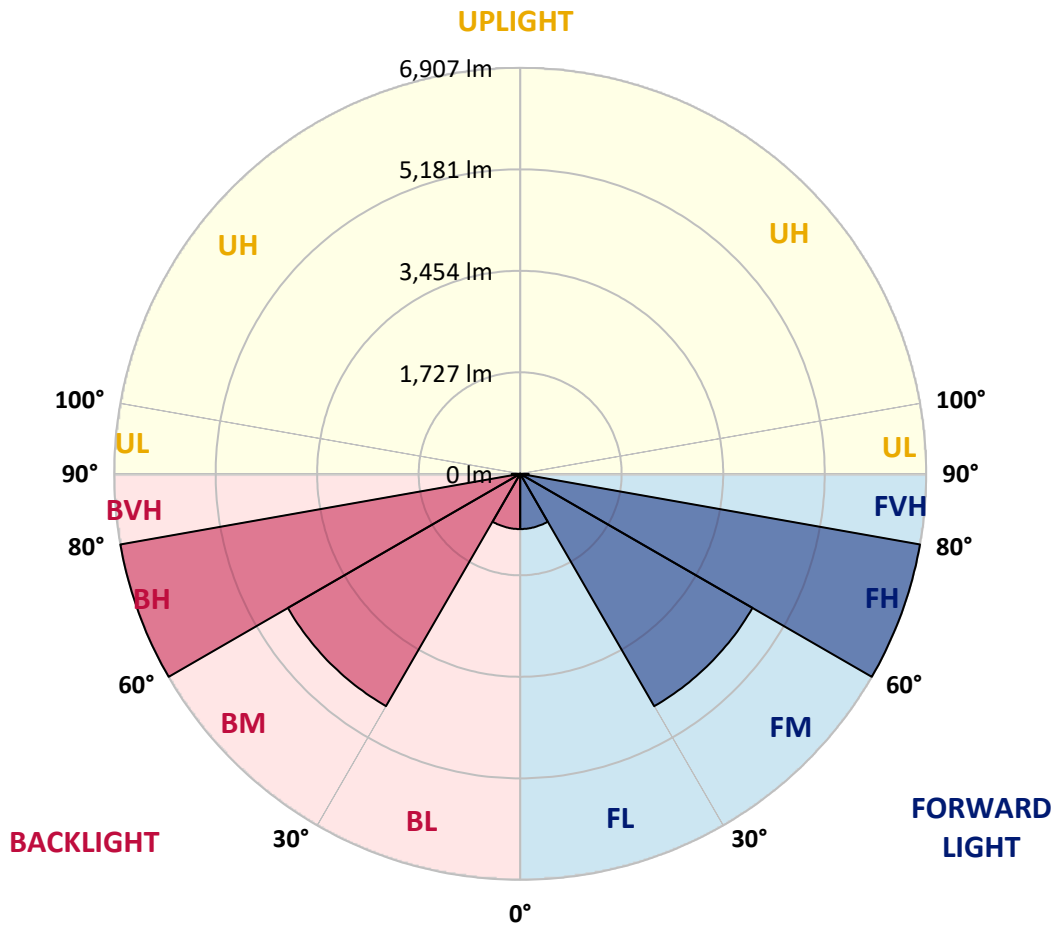
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	939.9	3.7			
FM (30°-60°)	4564.1	18.2			
FH (60°-80°)	6907.4	27.5			G3/7500
FVH (80°-90°)	143.5	0.6			G2/225
BL (0°-30°)	939.9	3.7	B2/1000		
BM (30°-60°)	4564.1	18.2	B3/5000		
BH (60°-80°)	6907.4	27.5	B5		G3/7500
BVH (80°-90°)	143.5	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°	2290.5	2290.5	2290.5	2290.5	2290.5	2290.5	2290.5	2290.5	2290.5	2290.5
2.5°	2276.2	2282.7	2280.1	2274.9	2274.9	2271.0	2274.9	2277.5	2281.4	2284.0
5°	2246.2	2251.4	2250.1	2246.2	2247.5	2243.6	2246.2	2250.1	2252.7	2254.0
7.5°	2220.1	2225.3	2222.7	2216.1	2216.1	2212.2	2213.5	2217.4	2221.4	2222.7
10°	2213.5	2218.8	2210.9	2200.5	2196.6	2191.3	2192.7	2196.6	2204.4	2208.3
12.5°	2216.1	2220.1	2212.2	2196.6	2192.7	2187.4	2187.4	2191.3	2201.8	2207.0
15°	2224.0	2227.9	2216.1	2199.2	2195.3	2191.3	2190.0	2195.3	2207.0	2216.1
17.5°	2238.3	2242.2	2224.0	2200.5	2195.3	2196.6	2195.3	2199.2	2217.4	2234.4
20°	2251.4	2254.0	2229.2	2200.5	2195.3	2196.6	2195.3	2203.1	2226.6	2250.1
22.5°	2255.3	2257.9	2234.4	2209.6	2205.7	2207.0	2205.7	2213.5	2235.7	2259.2
25°	2256.6	2260.5	2242.2	2222.7	2229.2	2231.8	2229.2	2230.5	2247.5	2268.4
27.5°	2276.2	2281.4	2264.4	2247.5	2251.4	2250.1	2254.0	2257.9	2271.0	2291.8
30°	2316.6	2320.6	2306.2	2289.2	2286.6	2277.5	2289.2	2302.3	2316.6	2334.9
32.5°	2383.2	2391.0	2372.8	2354.5	2342.7	2337.5	2346.7	2368.8	2388.4	2408.0
35°	2494.1	2499.4	2482.4	2448.5	2427.6	2427.6	2435.4	2464.1	2495.4	2520.2
37.5°	2650.8	2657.3	2627.3	2586.8	2555.5	2555.5	2565.9	2595.9	2642.9	2678.2
40°	2841.3	2850.4	2812.6	2770.8	2740.8	2735.6	2748.6	2782.6	2827.0	2871.3
42.5°	3071.0	3081.5	3031.9	2995.3	2971.8	2971.8	2978.4	3009.7	3050.1	3105.0
45°	3364.7	3382.9	3315.1	3278.5	3256.3	3261.6	3265.5	3292.9	3329.4	3392.1
47.5°	3714.5	3732.7	3660.9	3623.1	3619.2	3644.0	3628.3	3647.9	3667.5	3739.3
50°	4111.2	4142.5	4092.9	4090.3	4098.2	4143.8	4107.3	4117.7	4095.6	4141.2
52.5°	4596.7	4642.4	4633.3	4648.9	4736.4	4830.4	4746.8	4710.3	4626.8	4641.1
55°	5185.4	5254.5	5267.6	5361.6	5559.9	5751.8	5574.3	5426.8	5249.3	5216.7
57.5°	5854.9	5909.7	5972.4	6164.2	6534.9	6875.5	6534.9	6208.6	5929.3	5862.7
60°	6575.3	6643.2	6703.2	6986.5	7537.2	8016.2	7526.8	7008.7	6639.3	6549.2
62.5°	7349.3	7436.7	7478.5	7793.0	8435.2	9006.8	8444.3	7816.5	7406.7	7310.1
65°	8091.9	8163.7	8210.7	8546.1	9159.5	9732.5	9201.3	8582.7	8161.1	8034.5
67.5°	8437.8	8476.9	8591.8	8971.6	9619.0	10272.8	9728.6	9012.1	8540.9	8319.0
70°	7931.4	7851.8	8128.5	8736.7	9673.8	10604.3	9799.1	8718.4	8141.5	7781.3
72.5°	6129.0	5991.9	6472.2	7512.4	9047.3	10392.9	9109.9	7571.2	6771.1	6040.2
75°	3334.7	3179.3	3842.4	5158.0	7214.9	9008.1	7380.6	5305.4	4278.3	3309.9
77.5°	941.0	882.3	1417.4	2495.4	4339.6	6324.8	4506.7	2550.3	1681.0	997.1
80°	288.4	279.3	378.5	751.8	1842.9	3029.3	1771.1	760.9	481.6	304.1
82.5°	171.0	156.6	187.9	274.1	469.9	951.5	456.8	285.8	229.7	154.0
85°	97.9	91.4	110.9	133.1	157.9	202.3	131.8	135.7	122.7	82.2
87.5°	40.5	36.5	43.1	41.8	36.5	47.0	35.2	41.8	49.6	32.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2290.5
2282.7
2254.0
2222.7
2208.3
2208.3
2217.4
2234.4
2251.4
2259.2
2267.0
2286.6
2331.0
2400.2
2511.1
2665.1
2857.0
3101.0
3389.5
3718.4
4113.8
4592.8
5165.8
5815.7
6470.9
7231.8
7971.9
8321.6
7867.4
6221.6
3525.2
1108.1
321.1
167.1
86.1
30.0
0.0

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