

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: P944270

Luminaire Tested: **GALN-SB9A-927-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944270  
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-SB9A-927-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

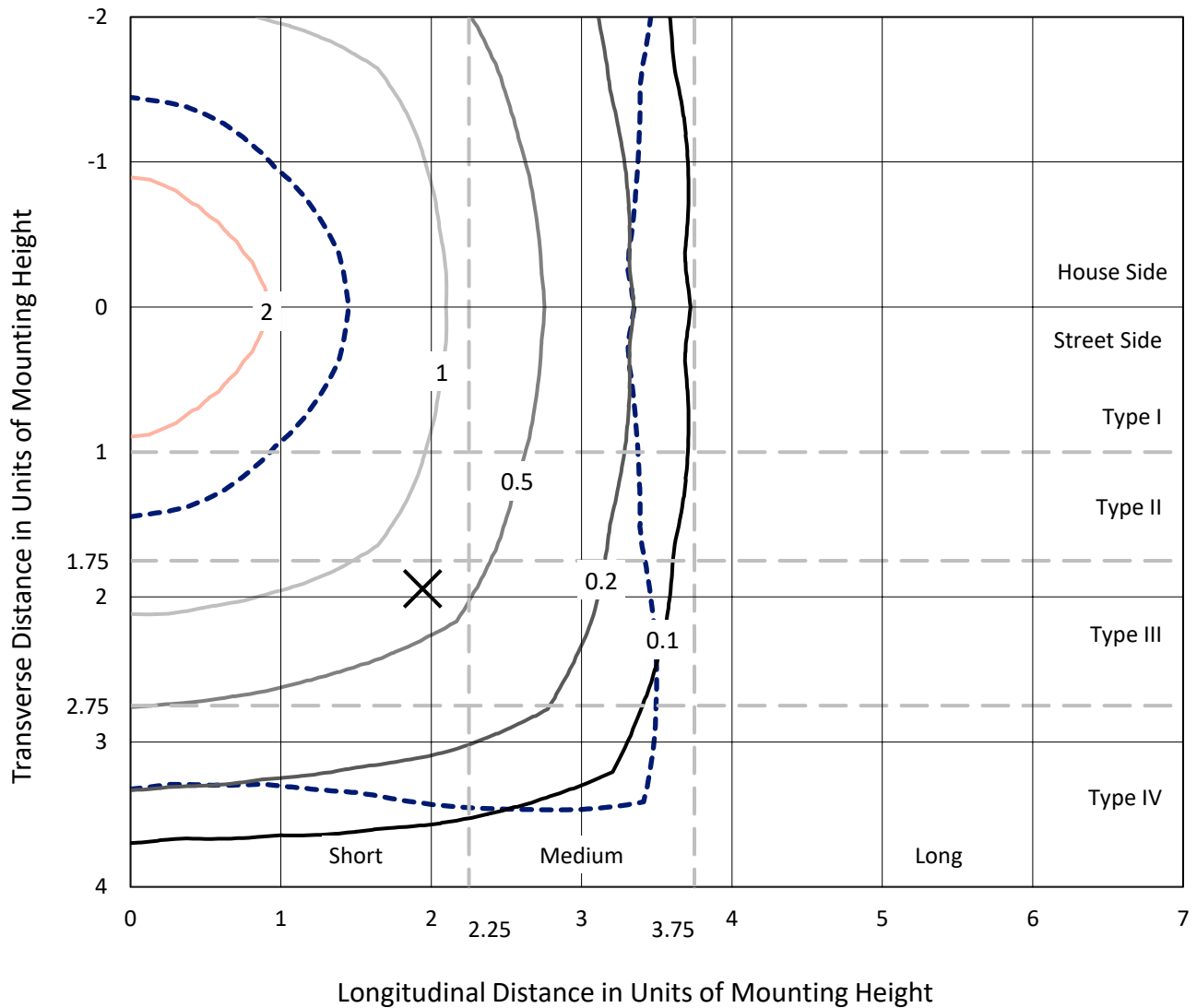
Lumens per Lamp: N/A  
Luminaire Lumens: 25156 lumens  
Efficiency: N/A  
Efficacy: 98.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

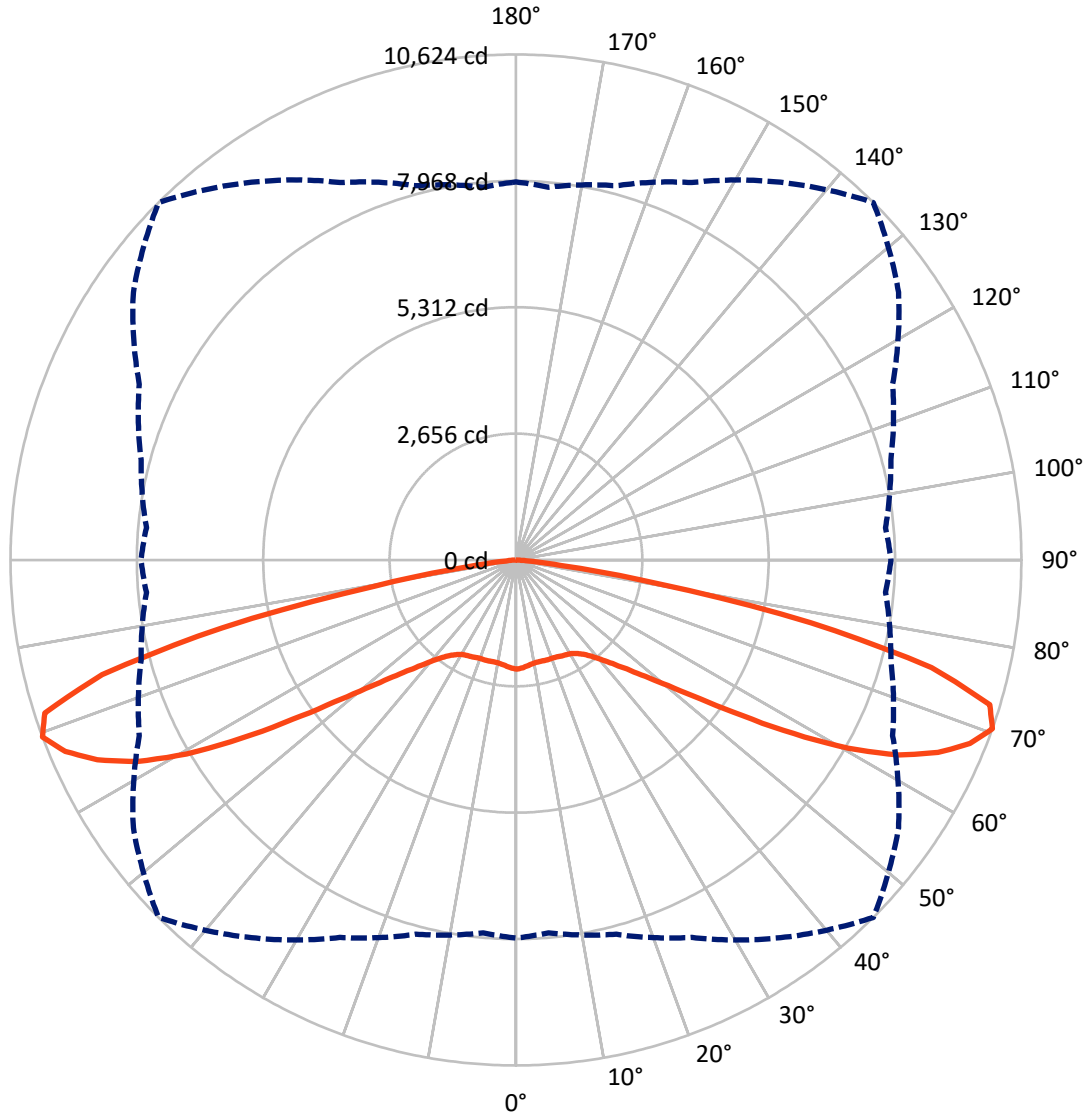
✕ Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	12578.0	0.0	12578.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12578.0	0.0	12578.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25156.0	0.0	25156.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	213.5	0.8
10°-20°	626.8	2.5
20°-30°	1043.1	4.1
30°-40°	1577.4	6.3
40°-50°	2621.3	10.4
50°-60°	4946.3	19.7
60°-70°	8352.0	33.2
70°-80°	5488.1	21.8
80°-90°	287.5	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°	25156.0	100.0
0°-180°	25156.0	100.0

**Coefficient of Utilization**



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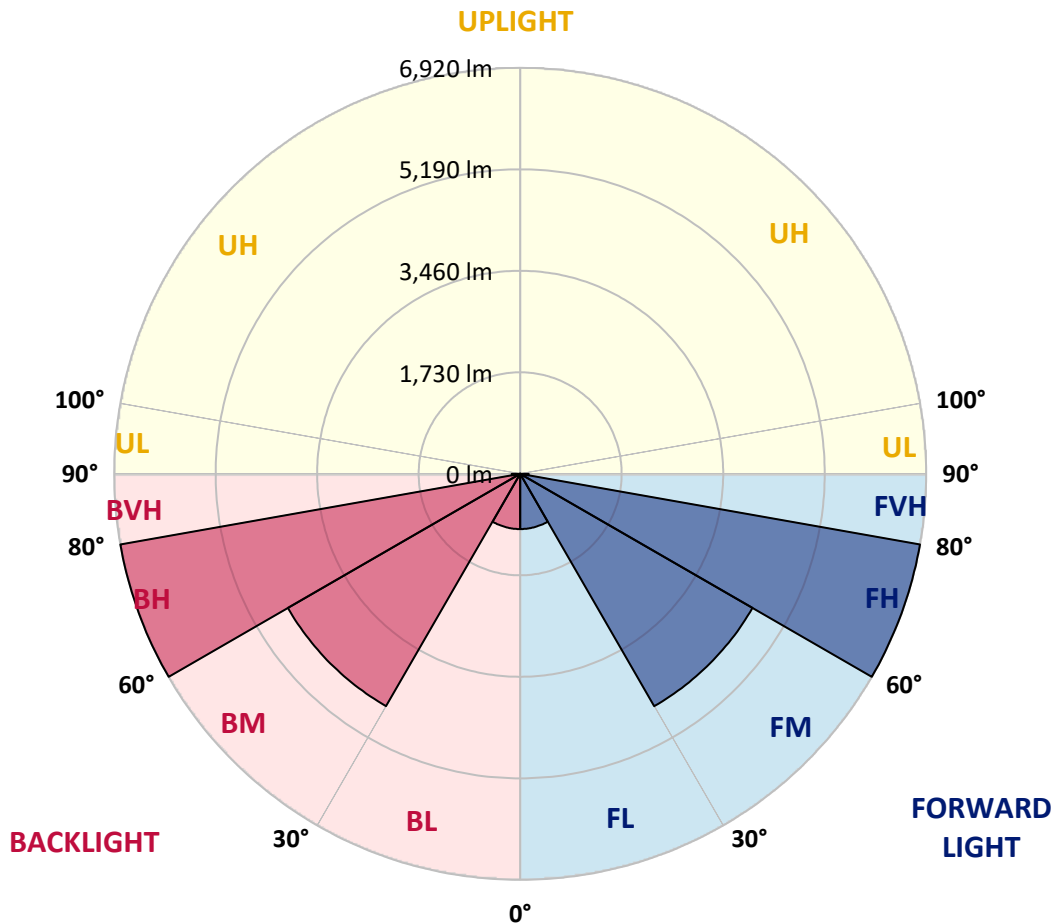
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	941.7	3.7			
FM (30°-60°)	4572.5	18.2			
FH (60°-80°)	6920.1	27.5			G3/7500
FVH (80°-90°)	143.8	0.6			G2/225
BL (0°-30°)	941.7	3.7	B2/1000		
BM (30°-60°)	4572.5	18.2	B3/5000		
BH (60°-80°)	6920.1	27.5	B5		G3/7500
BVH (80°-90°)	143.8	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°	2294.7	2294.7	2294.7	2294.7	2294.7	2294.7	2294.7	2294.7	2294.7	2294.7
2.5°	2280.4	2286.9	2284.3	2279.0	2279.0	2275.1	2279.0	2281.7	2285.6	2288.2
5°	2250.3	2255.5	2254.2	2250.3	2251.6	2247.7	2250.3	2254.2	2256.8	2258.1
7.5°	2224.1	2229.4	2226.7	2220.2	2220.2	2216.3	2217.6	2221.5	2225.4	2226.7
10°	2217.6	2222.8	2215.0	2204.5	2200.6	2195.4	2196.7	2200.6	2208.4	2212.4
12.5°	2220.2	2224.1	2216.3	2200.6	2196.7	2191.4	2191.4	2195.4	2205.8	2211.1
15°	2228.0	2232.0	2220.2	2203.2	2199.3	2195.4	2194.1	2199.3	2211.1	2220.2
17.5°	2242.4	2246.4	2228.0	2204.5	2199.3	2200.6	2199.3	2203.2	2221.5	2238.5
20°	2255.5	2258.1	2233.3	2204.5	2199.3	2200.6	2199.3	2207.1	2230.7	2254.2
22.5°	2259.4	2262.0	2238.5	2213.7	2209.7	2211.1	2209.7	2217.6	2239.8	2263.4
25°	2260.7	2264.7	2246.4	2226.7	2233.3	2235.9	2233.3	2234.6	2251.6	2272.5
27.5°	2280.4	2285.6	2268.6	2251.6	2255.5	2254.2	2258.1	2262.0	2275.1	2296.0
30°	2320.9	2324.8	2310.4	2293.4	2290.8	2281.7	2293.4	2306.5	2320.9	2339.2
32.5°	2387.6	2395.4	2377.1	2358.8	2347.0	2341.8	2351.0	2373.2	2392.8	2412.4
35°	2498.7	2503.9	2486.9	2452.9	2432.0	2432.0	2439.9	2468.6	2500.0	2524.9
37.5°	2655.6	2662.2	2632.1	2591.5	2560.2	2560.2	2570.6	2600.7	2647.8	2683.1
40°	2846.5	2855.7	2817.7	2775.9	2745.8	2740.6	2753.7	2787.7	2832.1	2876.6
42.5°	3076.6	3087.1	3037.4	3000.8	2977.3	2977.3	2983.8	3015.2	3055.7	3110.6
45°	3370.8	3389.1	3321.2	3284.5	3262.3	3267.5	3271.5	3298.9	3335.5	3398.3
47.5°	3721.3	3739.6	3667.7	3629.7	3625.8	3650.7	3635.0	3654.6	3674.2	3746.1
50°	4118.8	4150.1	4100.4	4097.8	4105.7	4151.4	4114.8	4125.3	4103.1	4148.8
52.5°	4605.2	4650.9	4641.8	4657.5	4745.1	4839.2	4755.5	4718.9	4635.2	4649.6
55°	5194.9	5264.2	5277.2	5371.4	5570.1	5762.3	5584.5	5436.8	5258.9	5226.2
57.5°	5865.6	5920.5	5983.3	6175.5	6546.9	6888.1	6546.9	6220.0	5940.2	5873.5
60°	6587.4	6655.4	6715.5	6999.3	7551.0	8030.9	7540.6	7021.5	6651.5	6561.2
62.5°	7362.8	7450.4	7492.2	7807.3	8450.6	9023.3	8459.8	7830.9	7420.3	7323.5
65°	8106.8	8178.7	8225.7	8561.8	9176.3	9750.3	9218.2	8598.4	8176.1	8049.2
67.5°	8453.2	8492.5	8607.5	8988.0	9636.6	10291.7	9746.4	9028.6	8556.5	8334.3
70°	7945.9	7866.2	8143.4	8752.7	9691.5	10623.8	9817.0	8734.4	8156.4	7795.6
72.5°	6140.2	6002.9	6484.1	7526.2	9063.9	10411.9	9126.6	7585.0	6783.5	6051.3
75°	3340.8	3185.2	3849.4	5167.4	7228.1	9024.6	7394.1	5315.2	4286.1	3315.9
77.5°	942.7	883.9	1420.0	2500.0	4347.6	6336.3	4514.9	2554.9	1684.1	999.0
80°	289.0	279.8	379.2	753.1	1846.2	3034.8	1774.3	762.3	482.5	304.7
82.5°	171.3	156.9	188.3	274.6	470.7	953.2	457.6	286.4	230.1	154.3
85°	98.1	91.5	111.1	133.4	158.2	202.7	132.1	136.0	122.9	82.4
87.5°	40.5	36.6	43.1	41.8	36.6	47.1	35.3	41.8	49.7	32.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2294.7
2286.9
2258.1
2226.7
2212.4
2212.4
2221.5
2238.5
2255.5
2263.4
2271.2
2290.8
2335.3
2404.6
2515.7
2670.0
2862.2
3106.7
3395.7
3725.2
4121.4
4601.2
5175.2
5826.4
6482.8
7245.1
7986.5
8336.9
7881.9
6233.0
3531.7
1110.1
321.7
167.4
86.3
30.1
0.0

OF REPORT)