

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: P947330

Luminaire Tested: **GALN-SB2D-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2D-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17616 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

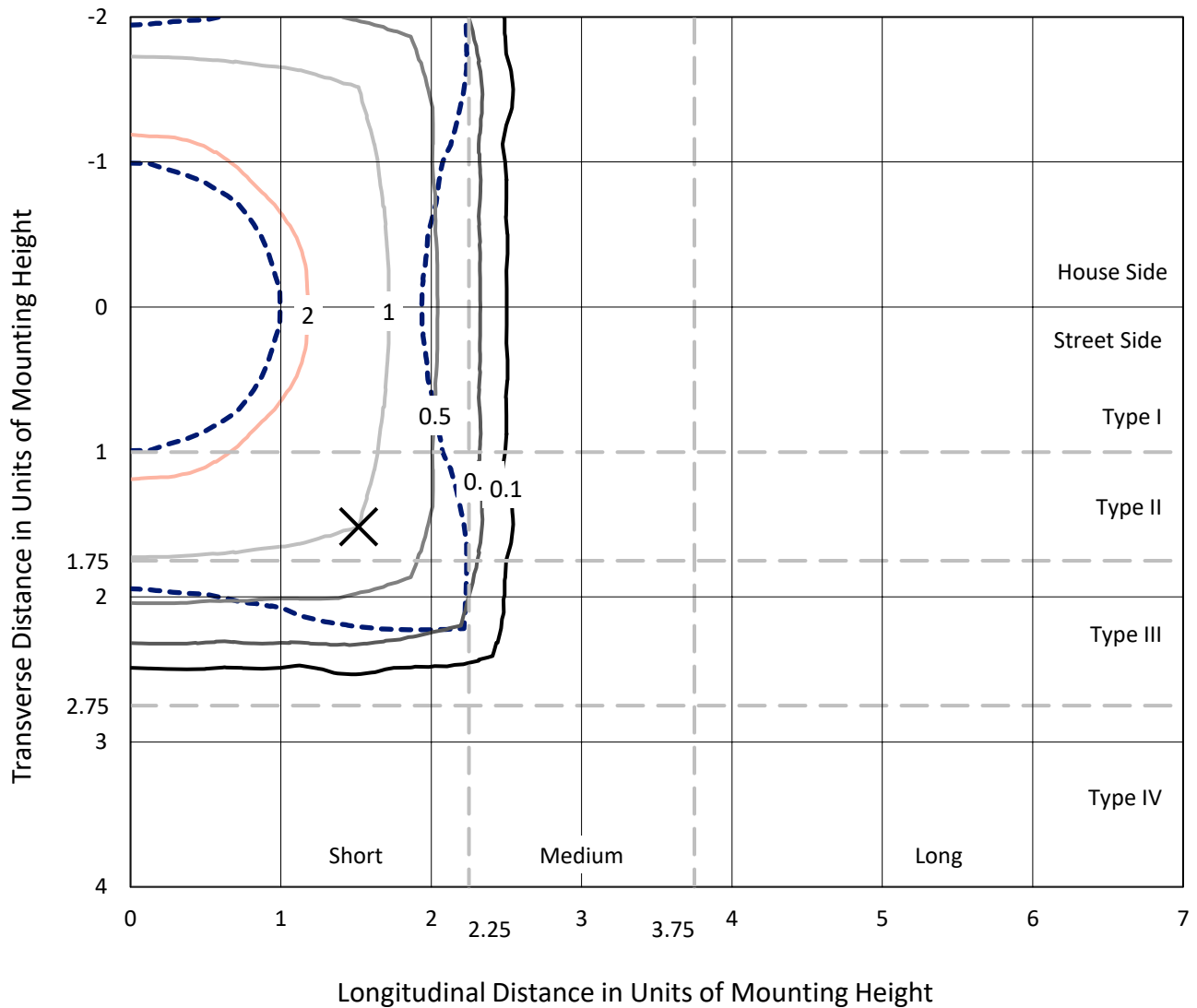
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P947330
 CATALOG NUMBER: GALN-SB2D-722-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

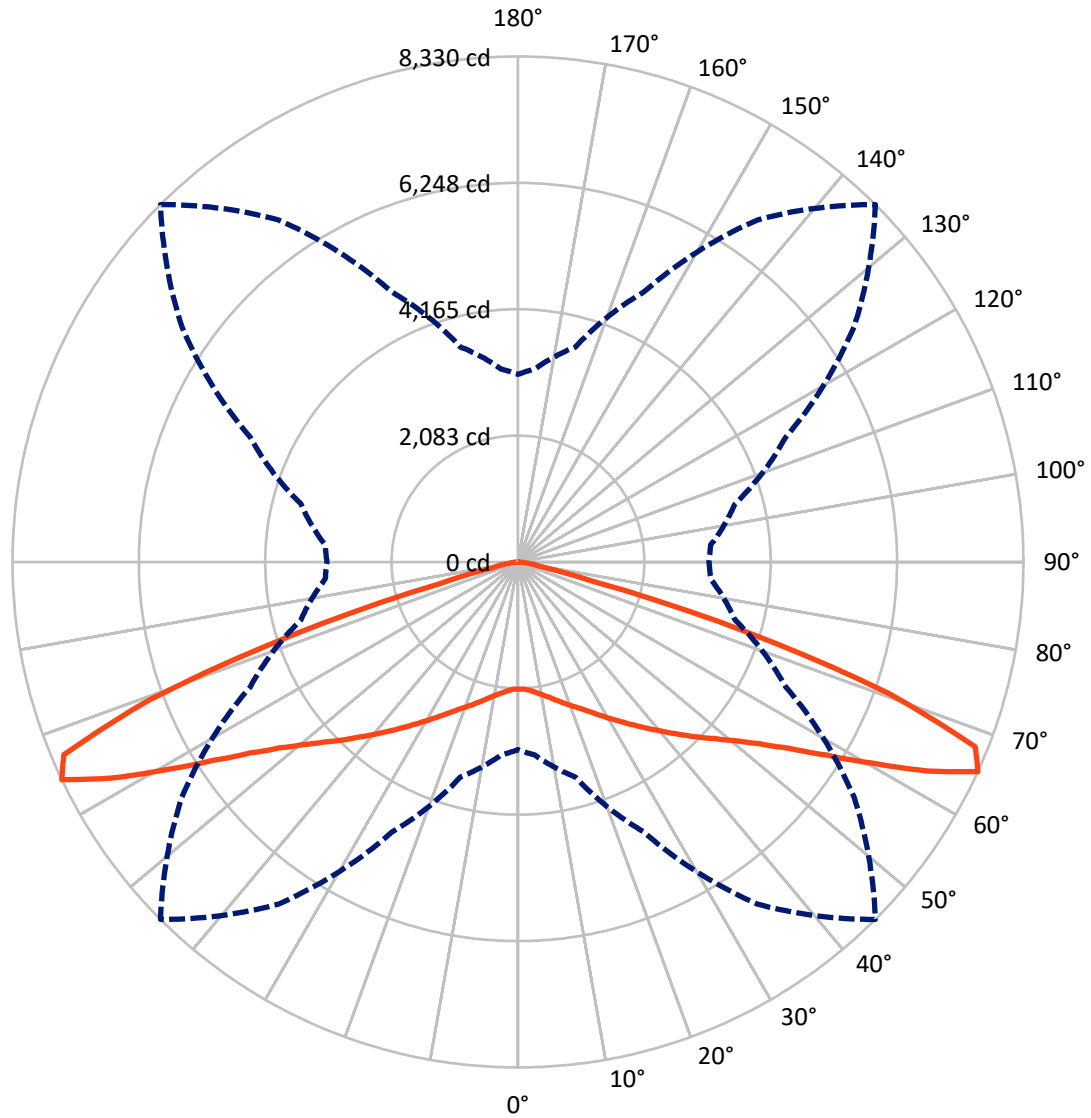
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - N/A

REPORT NUMBER: P947330
CATALOG NUMBER: GALN-SB2D-722-U-5NQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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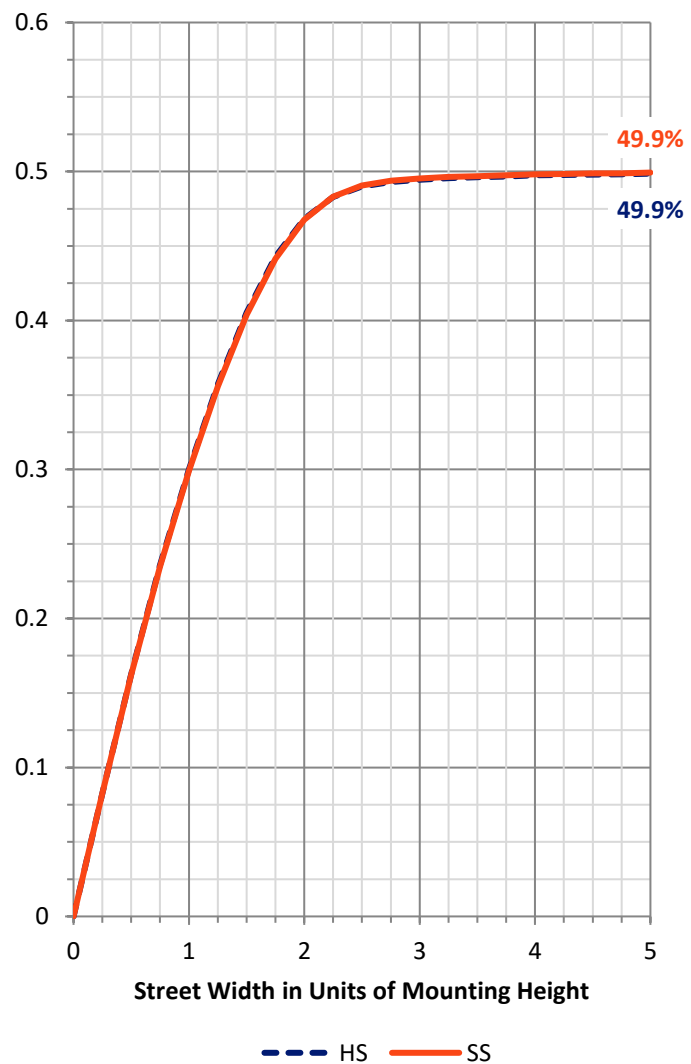
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8808.0	0.0	8808.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8808.0	0.0	8808.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17616.0	0.0	17616.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.9	1.2
10°-20°	675.1	3.8
20°-30°	1274.7	7.2
30°-40°	2087.3	11.8
40°-50°	3236.4	18.4
50°-60°	4780.9	27.1
60°-70°	4551.0	25.8
70°-80°	734.4	4.2
80°-90°	69.2	0.4
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°	17616.0	100.0
0°-180°	17616.0	100.0

Coefficient of Utilization



REPORT NUMBER: P947330

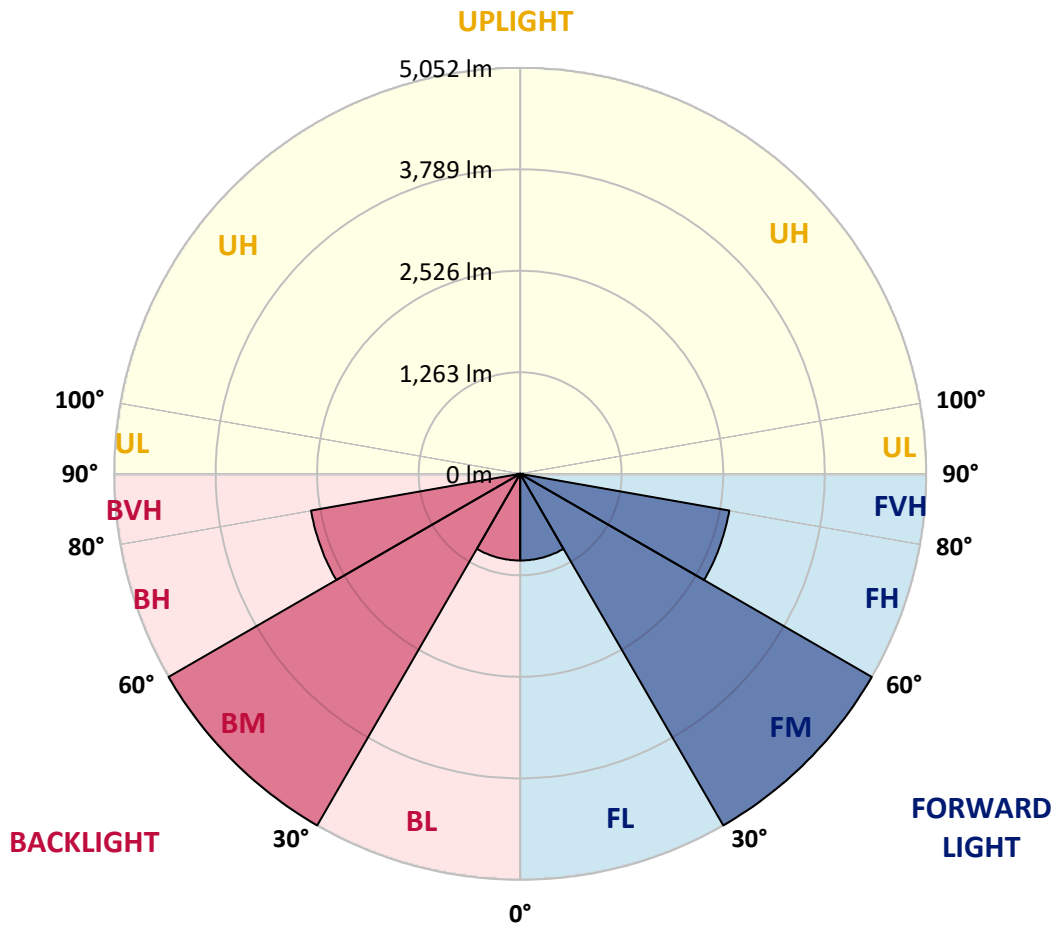
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1078.4	6.1			
FM (30°-60°)	5052.3	28.7			
FH (60°-80°)	2642.7	15.0			G2/5000
FVH (80°-90°)	34.6	0.2			G1/100
BL (0°-30°)	1078.4	6.1	B3/2500		
BM (30°-60°)	5052.3	28.7	B4/8500		
BH (60°-80°)	2642.7	15.0	B4/5000		G2/5000
BVH (80°-90°)	34.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2096.5	2096.5	2096.5	2096.5	2096.5	2096.5	2096.5	2096.5	2096.5	2096.5	2096.5
2.5°	2110.6	2103.6	2108.9	2104.4	2100.9	2097.4	2099.1	2105.3	2108.0	2108.9	2108.9
5°	2138.9	2132.7	2135.4	2135.4	2129.2	2127.4	2128.3	2132.7	2138.0	2138.0	2138.0
7.5°	2184.9	2178.7	2184.9	2181.3	2176.0	2174.3	2173.4	2176.9	2184.9	2184.9	2182.2
10°	2240.5	2233.5	2237.0	2235.2	2229.1	2226.4	2225.5	2230.8	2237.9	2237.0	2235.2
12.5°	2301.5	2293.6	2298.0	2292.7	2290.9	2288.3	2288.3	2287.4	2291.8	2288.3	2290.0
15°	2369.6	2364.3	2366.1	2362.5	2365.2	2363.4	2356.3	2352.8	2354.6	2349.3	2350.1
17.5°	2450.0	2437.6	2443.8	2442.1	2442.1	2445.6	2434.1	2429.7	2433.2	2427.9	2432.3
20°	2542.8	2530.4	2533.1	2529.6	2525.1	2528.7	2514.5	2518.1	2520.7	2517.2	2525.1
22.5°	2644.5	2628.6	2627.7	2629.4	2619.7	2620.6	2610.9	2619.7	2625.0	2615.3	2625.0
25°	2748.8	2732.0	2743.5	2739.0	2726.7	2729.3	2722.2	2731.1	2735.5	2723.1	2737.3
27.5°	2859.2	2847.7	2858.4	2861.0	2846.0	2856.6	2846.0	2853.9	2858.4	2839.8	2853.9
30°	2988.3	2976.8	2986.5	2993.6	2975.9	2992.7	2983.9	2989.2	2990.0	2968.0	2981.2
32.5°	3128.8	3111.1	3135.9	3139.4	3120.0	3140.3	3128.8	3135.9	3140.3	3110.3	3130.6
35°	3300.3	3278.2	3306.5	3302.0	3285.3	3302.0	3291.4	3302.0	3312.7	3276.4	3298.5
37.5°	3485.0	3462.0	3492.1	3484.1	3468.2	3479.7	3473.5	3480.6	3497.4	3458.5	3482.3
40°	3688.3	3660.0	3700.7	3686.5	3671.5	3669.7	3673.3	3677.7	3699.8	3656.5	3670.6
42.5°	3905.7	3875.7	3936.6	3914.5	3893.3	3879.2	3890.7	3899.5	3920.7	3872.1	3897.8
45°	4154.1	4119.6	4199.1	4172.6	4139.0	4109.9	4128.4	4141.7	4172.6	4114.3	4144.3
47.5°	4428.1	4389.2	4474.0	4466.1	4411.3	4347.6	4390.1	4428.1	4451.0	4380.3	4404.2
50°	4695.9	4665.8	4777.2	4786.9	4719.7	4630.5	4689.7	4747.1	4753.3	4660.5	4672.0
52.5°	4946.9	4916.8	5078.6	5139.6	5079.5	4973.4	5036.1	5094.5	5047.6	4927.4	4931.0
55°	5147.5	5122.8	5328.7	5486.0	5506.4	5418.9	5456.0	5454.2	5300.4	5115.7	5121.9
57.5°	5196.1	5192.6	5452.4	5785.6	5997.8	6008.4	5935.0	5747.6	5416.2	5167.8	5151.9
60°	4975.2	4997.3	5354.3	5942.1	6507.8	6742.9	6425.6	5890.8	5284.5	4939.8	4899.2
62.5°	4314.0	4372.4	4802.8	5751.2	6919.6	7587.8	6818.9	5673.4	4743.6	4293.7	4267.2
65°	3091.7	3193.3	3668.8	4908.0	6882.5	8330.2	6762.3	4868.2	3704.2	3185.4	3147.4
67.5°	1402.7	1506.1	1910.0	3360.4	5982.7	8128.7	5968.6	3395.7	2005.4	1511.4	1489.3
70°	508.2	525.9	655.8	1345.2	3823.5	6476.8	3987.0	1354.9	697.4	560.4	553.3
72.5°	307.6	310.2	337.6	481.7	1328.4	3932.2	1385.0	497.6	344.7	305.8	311.1
75°	195.3	193.6	240.4	294.3	471.1	1326.7	494.1	294.3	239.5	218.3	220.1
77.5°	140.5	145.0	172.3	220.1	297.0	449.9	291.7	210.4	172.3	141.4	144.1
80°	105.2	107.8	125.5	171.5	208.6	280.2	185.6	155.6	129.9	88.4	91.0
82.5°	76.0	76.0	82.2	124.6	127.3	151.1	100.8	109.6	85.7	62.8	62.8
85°	45.1	44.2	51.3	74.2	66.3	55.7	46.0	67.2	53.9	38.9	38.0
87.5°	15.9	16.8	15.9	21.2	17.7	15.0	14.1	18.6	15.0	13.3	12.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)