

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: P947666

Luminaire Tested: **GALN-SB2D-950-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947666
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-950-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14835 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

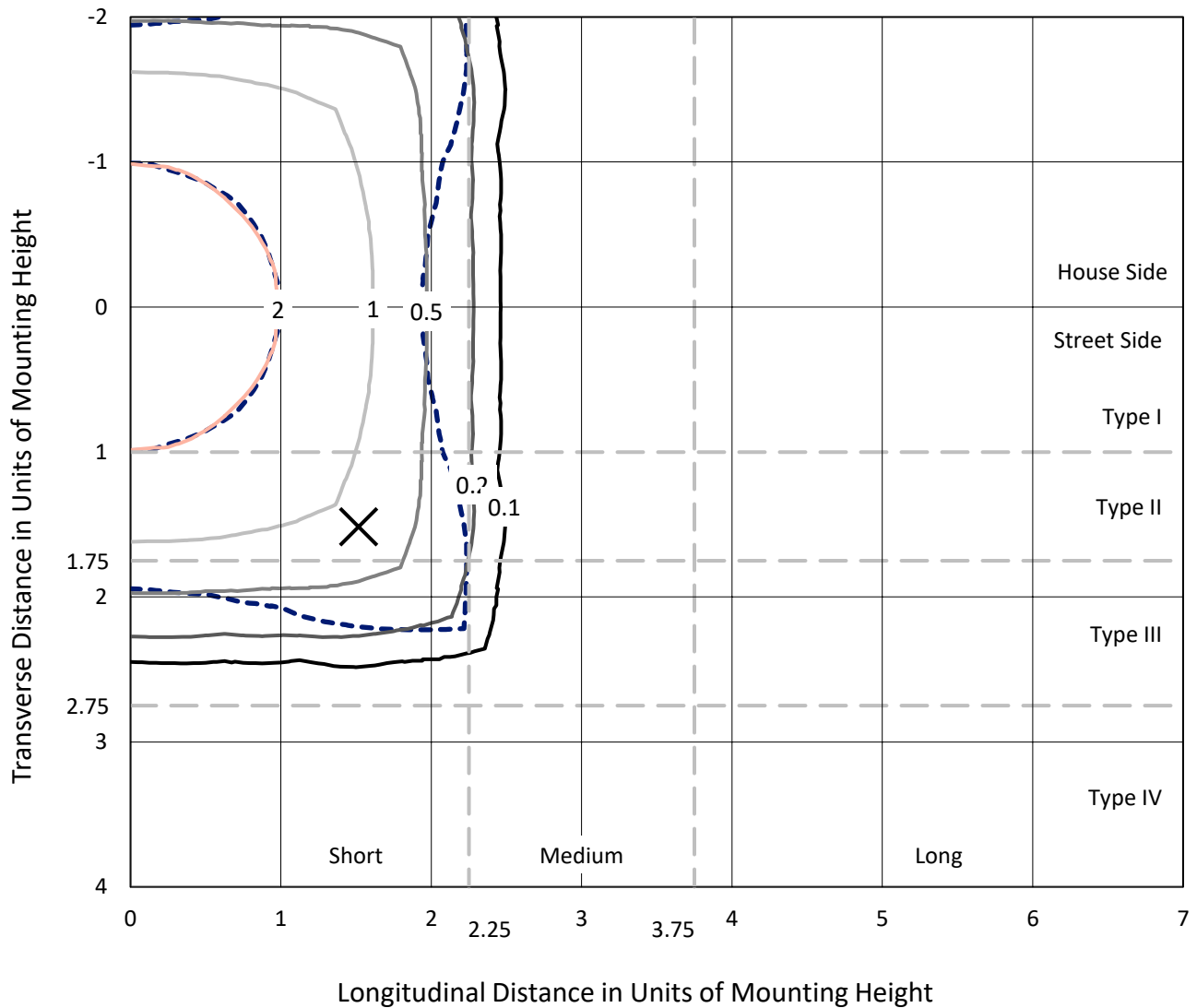
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

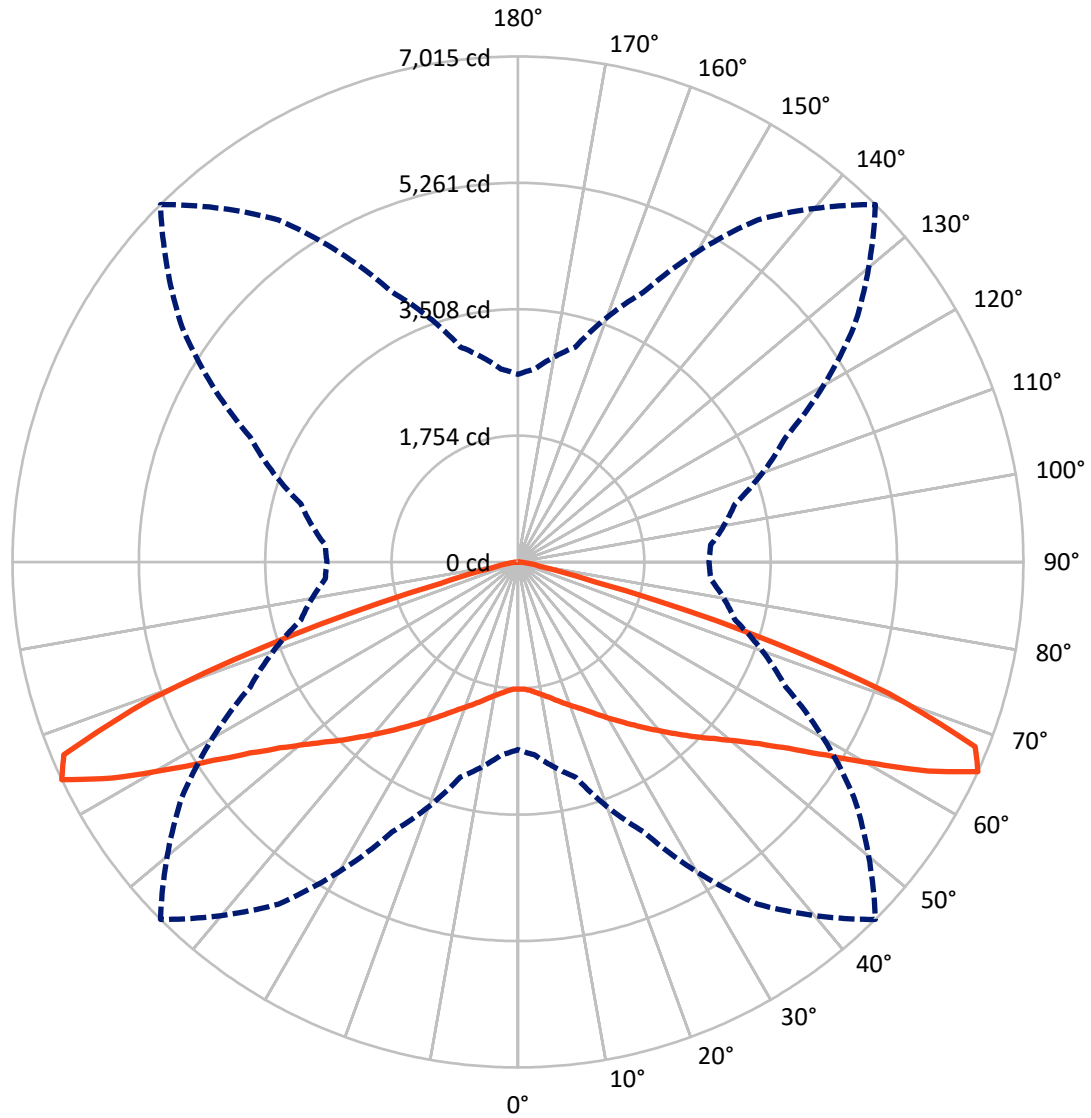
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

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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	7417.5	0.0	7417.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7417.5	0.0	7417.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14835.0	0.0	14835.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.2	1.2
10°-20°	568.6	3.8
20°-30°	1073.5	7.2
30°-40°	1757.8	11.8
40°-50°	2725.5	18.4
50°-60°	4026.2	27.1
60°-70°	3832.5	25.8
70°-80°	618.4	4.2
80°-90°	58.3	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°	14835.0	100.0
0°-180°	14835.0	100.0

Coefficient of Utilization



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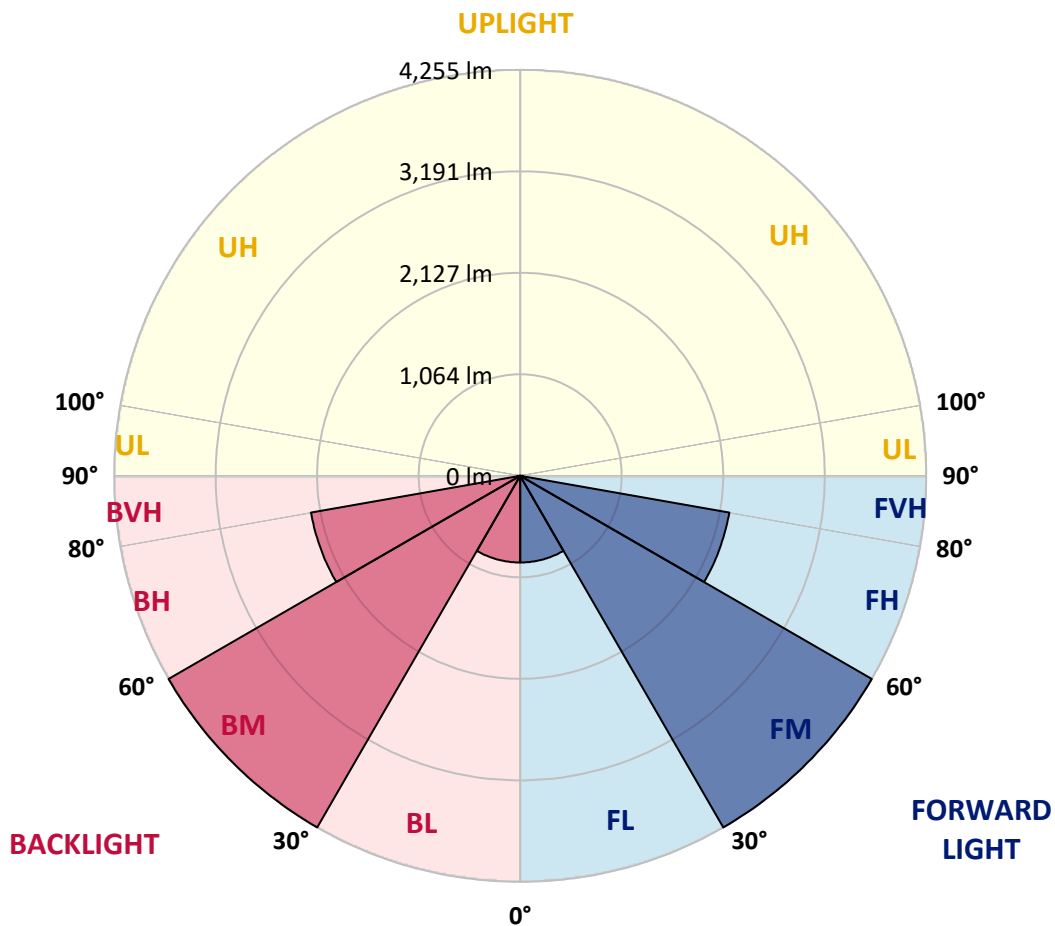
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	908.1	6.1			
FM (30°-60°)	4254.7	28.7			
FH (60°-80°)	2225.5	15.0			G2/5000
FVH (80°-90°)	29.1	0.2			G1/100
BL (0°-30°)	908.1	6.1	B2/1000		
BM (30°-60°)	4254.7	28.7	B3/5000		
BH (60°-80°)	2225.5	15.0	B3/2500		G2/5000
BVH (80°-90°)	29.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1765.5	1765.5	1765.5	1765.5	1765.5	1765.5	1765.5	1765.5	1765.5	1765.5
2.5°	1777.4	1771.5	1775.9	1772.2	1769.2	1766.3	1767.7	1773.0	1775.2	1775.9
5°	1801.2	1796.0	1798.3	1798.3	1793.1	1791.6	1792.3	1796.0	1800.5	1800.5
7.5°	1839.9	1834.7	1839.9	1837.0	1832.5	1831.0	1830.3	1833.2	1839.9	1839.9
10°	1886.8	1880.9	1883.9	1882.4	1877.2	1874.9	1874.2	1878.6	1884.6	1883.9
12.5°	1938.2	1931.5	1935.2	1930.8	1929.3	1927.0	1927.0	1926.3	1930.0	1927.0
15°	1995.5	1991.0	1992.5	1989.6	1991.8	1990.3	1984.3	1981.4	1982.9	1978.4
17.5°	2063.2	2052.8	2058.0	2056.5	2056.5	2059.5	2049.8	2046.1	2049.1	2044.6
20°	2141.4	2131.0	2133.2	2130.2	2126.5	2129.5	2117.6	2120.6	2122.8	2119.8
22.5°	2227.0	2213.6	2212.8	2214.3	2206.1	2206.9	2198.7	2206.1	2210.6	2202.4
25°	2314.8	2300.7	2310.4	2306.6	2296.2	2298.4	2292.5	2299.9	2303.7	2293.2
27.5°	2407.9	2398.2	2407.1	2409.3	2396.7	2405.6	2396.7	2403.4	2407.1	2391.5
30°	2516.5	2506.9	2515.0	2521.0	2506.1	2520.2	2512.8	2517.3	2518.0	2499.4
32.5°	2634.9	2620.0	2640.8	2643.8	2627.4	2644.5	2634.9	2640.8	2644.5	2619.2
35°	2779.3	2760.7	2784.5	2780.8	2766.6	2780.8	2771.8	2780.8	2789.7	2759.2
37.5°	2934.8	2915.5	2940.8	2934.1	2920.7	2930.4	2925.2	2931.1	2945.3	2912.5
40°	3106.0	3082.2	3116.4	3104.5	3091.9	3090.4	3093.4	3097.1	3115.7	3079.2
42.5°	3289.1	3263.8	3315.2	3296.6	3278.7	3266.8	3276.5	3283.9	3301.8	3260.8
45°	3498.3	3469.2	3536.2	3513.9	3485.6	3461.1	3476.7	3487.9	3513.9	3464.8
47.5°	3729.0	3696.3	3767.7	3761.0	3714.9	3661.3	3697.0	3729.0	3748.4	3688.8
50°	3954.5	3929.2	4023.0	4031.2	3974.6	3899.5	3949.3	3997.7	4002.9	3924.8
52.5°	4165.9	4140.6	4276.8	4328.2	4277.6	4188.3	4241.1	4290.2	4250.8	4149.6
55°	4334.9	4314.0	4487.5	4620.0	4637.1	4563.4	4594.7	4593.2	4463.7	4308.1
57.5°	4375.8	4372.8	4591.7	4872.3	5050.9	5059.8	4998.1	4840.3	4561.2	4352.0
60°	4189.7	4208.4	4509.1	5004.0	5480.4	5678.4	5411.2	4960.9	4450.3	4160.0
62.5°	3633.0	3682.1	4044.6	4843.3	5827.2	6389.9	5742.4	4777.8	3994.7	3615.9
65°	2603.6	2689.2	3089.6	4133.2	5796.0	7015.2	5694.7	4099.7	3119.4	2682.5
67.5°	1181.2	1268.3	1608.5	2829.9	5038.3	6845.5	5026.4	2859.7	1688.8	1272.8
70°	428.0	442.9	552.3	1132.8	3219.9	5454.3	3357.6	1141.0	587.3	471.9
72.5°	259.0	261.3	284.3	405.7	1118.7	3311.5	1166.3	419.0	290.3	257.5
75°	164.5	163.0	202.5	247.9	396.7	1117.2	416.1	247.9	201.7	183.8
77.5°	118.3	122.1	145.1	185.3	250.1	378.9	245.6	177.1	145.1	119.1
80°	88.6	90.8	105.7	144.4	175.7	235.9	156.3	131.0	109.4	74.4
82.5°	64.0	64.0	69.2	104.9	107.2	127.3	84.9	92.3	72.2	52.8
85°	38.0	37.2	43.2	62.5	55.8	46.9	38.7	56.6	45.4	32.7
87.5°	13.4	14.1	13.4	17.9	14.9	12.7	11.9	15.6	12.7	11.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1765.5
1775.9
1800.5
1837.7
1882.4
1928.5
1979.1
2048.4
2126.5
2210.6
2305.1
2403.4
2510.6
2636.4
2777.8
2932.6
3091.1
3282.4
3490.1
3708.9
3934.4
4152.5
4313.3
4338.6
4125.7
3593.5
2650.5
1254.2
465.9
262.0
185.3
121.3
76.7
52.8
32.0
10.4
0.0

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