

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: P950542

Luminaire Tested: **GALN-SB5A-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950542
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5A-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19603 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 141.7
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

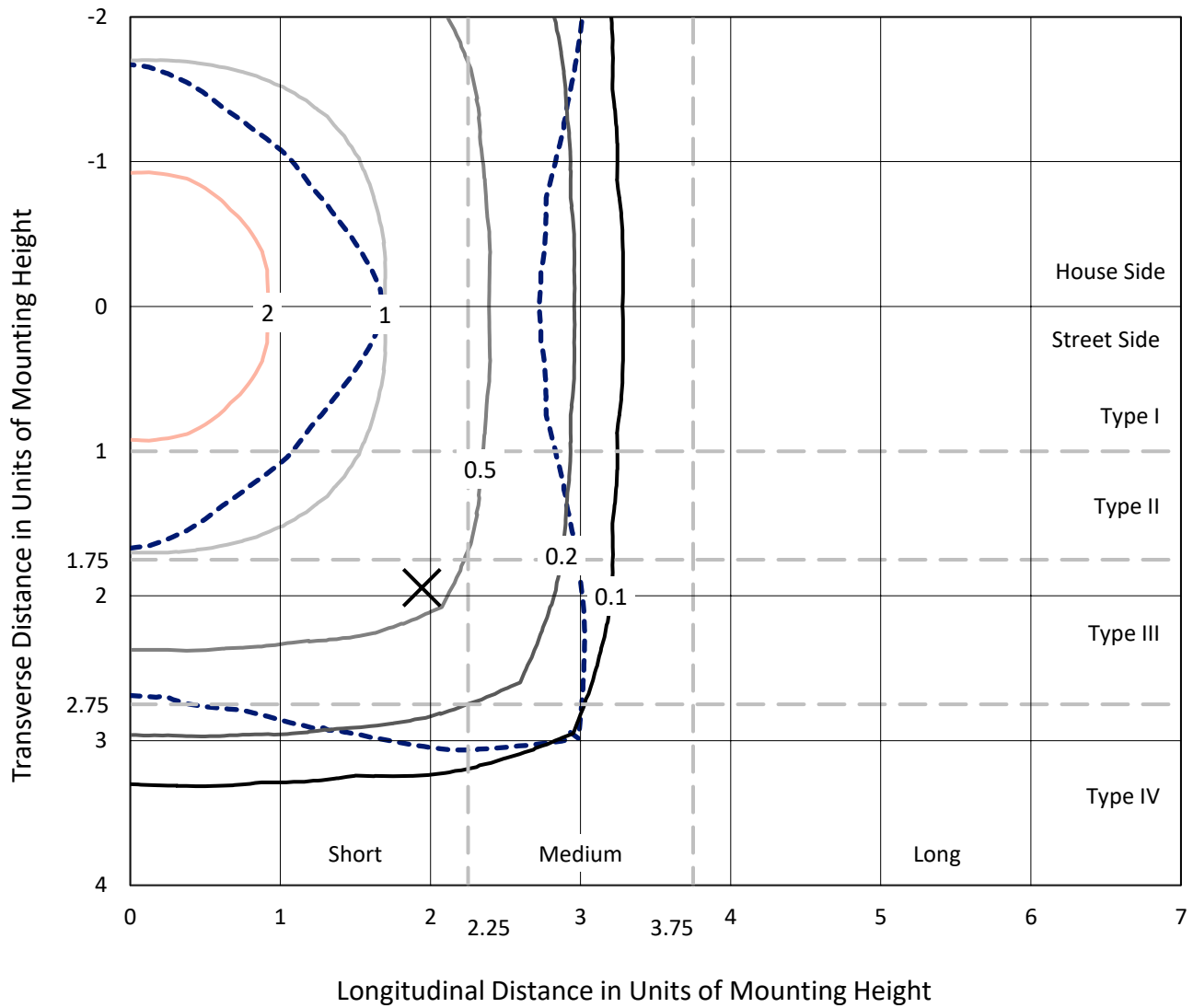


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

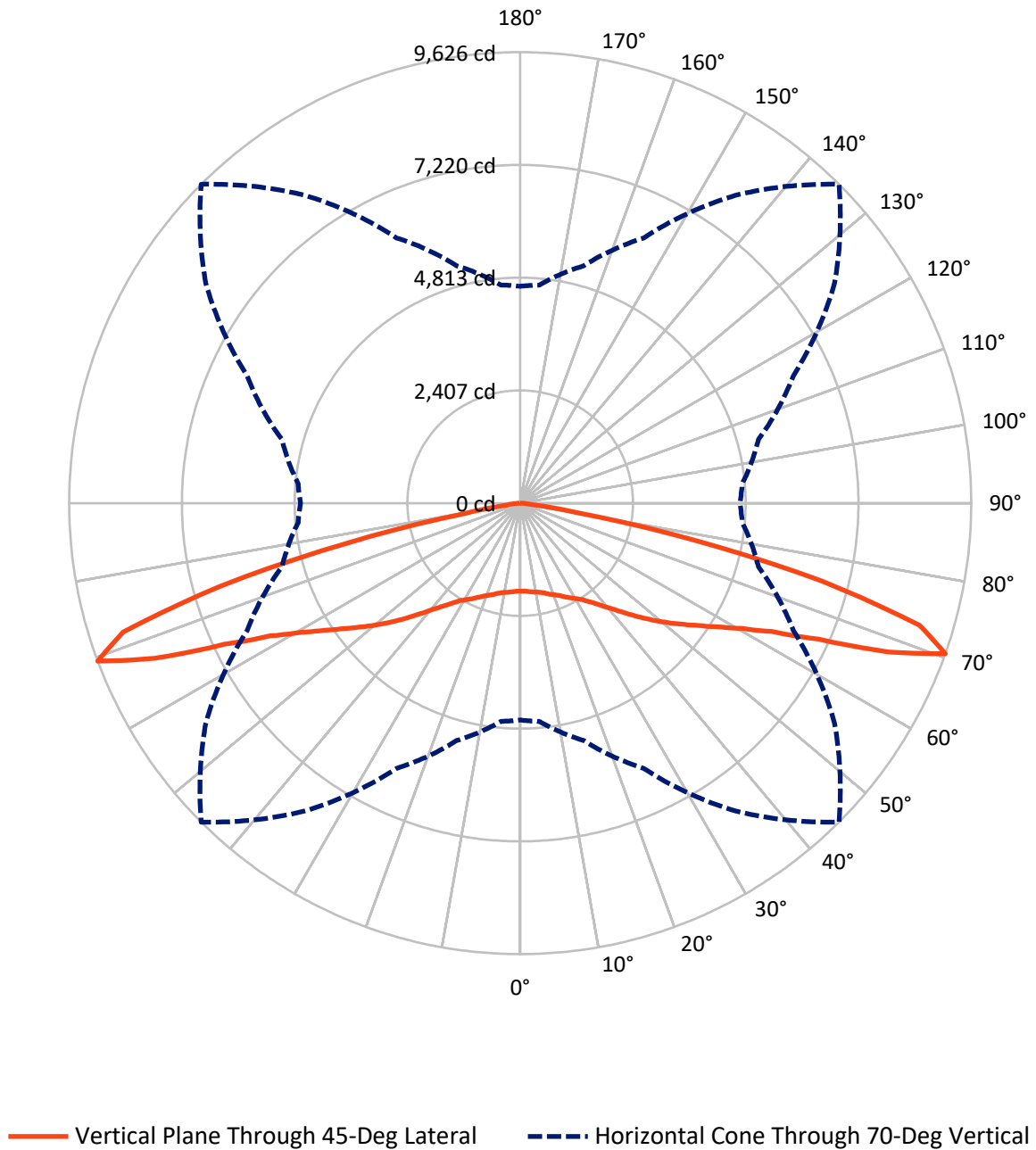


Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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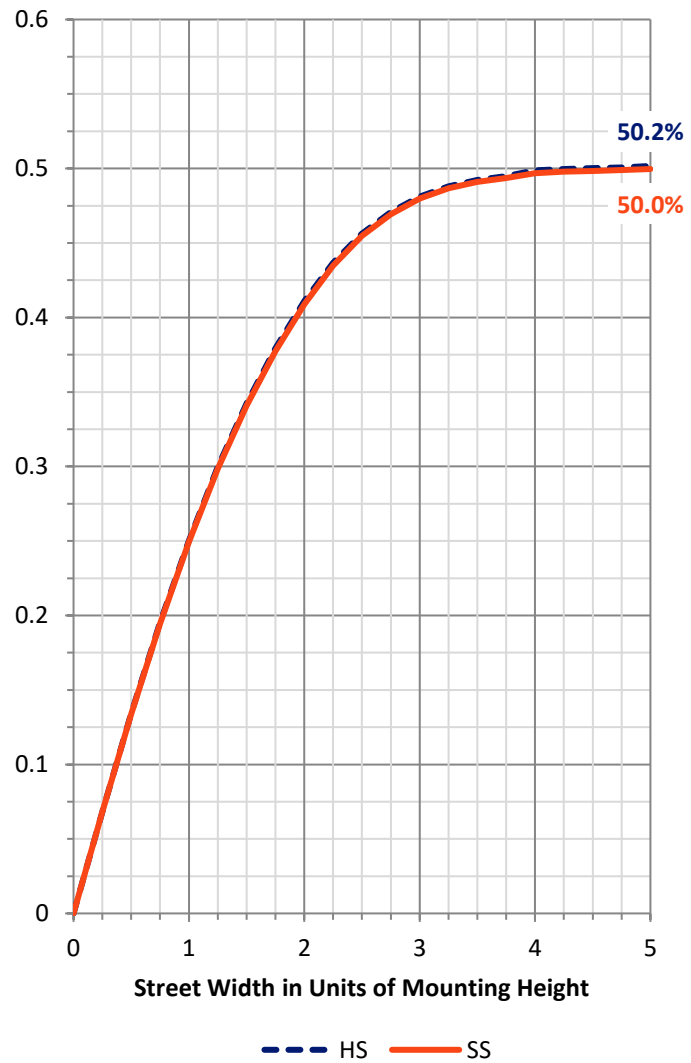
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9801.5	0.0	9801.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9801.5	0.0	9801.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19603.0	0.0	19603.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.4	0.9
10°-20°	565.7	2.9
20°-30°	1010.9	5.2
30°-40°	1638.7	8.4
40°-50°	2669.2	13.6
50°-60°	4069.6	20.8
60°-70°	6054.3	30.9
70°-80°	3299.8	16.8
80°-90°	112.4	0.6
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°	19603.0	100.0
0°-180°	19603.0	100.0

Coefficient of Utilization



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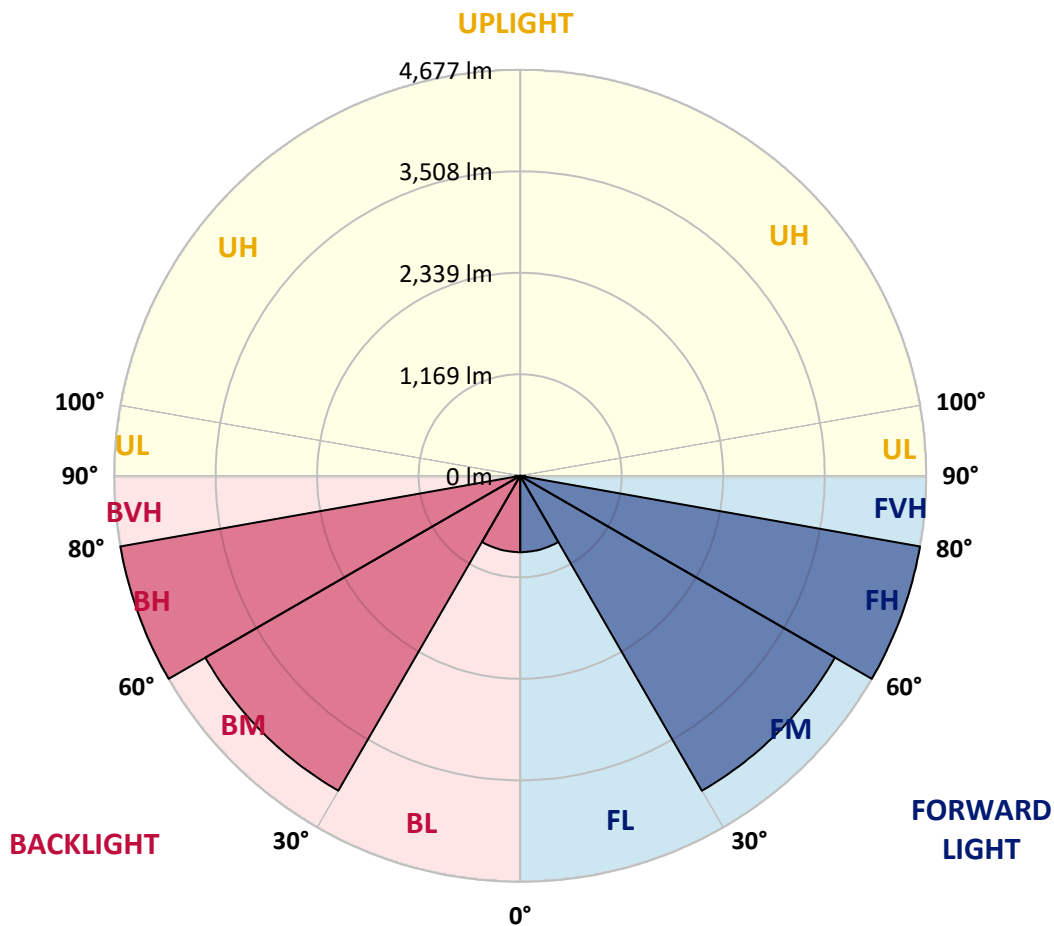
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	879.5	4.5			
FM	(30°-60°)	4188.8	21.4			
FH	(60°-80°)	4677.0	23.9			G2/5000
FVH	(80°-90°)	56.2	0.3			G1/100
BL	(0°-30°)	879.5	4.5	B2/1000		
BM	(30°-60°)	4188.8	21.4	B3/5000		
BH	(60°-80°)	4677.0	23.9	B4/5000		G2/5000
BVH	(80°-90°)	56.2	0.3			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°	1877.8	1877.8	1877.8	1877.8	1877.8	1877.8	1877.8	1877.8	1877.8	1877.8	1877.8
2.5°	1886.6	1888.6	1884.7	1882.7	1880.7	1877.8	1878.7	1883.7	1887.6	1886.6	1887.6
5°	1902.4	1904.3	1901.4	1900.4	1896.5	1895.5	1895.5	1900.4	1903.4	1901.4	1902.4
7.5°	1920.1	1923.0	1918.1	1917.1	1915.2	1913.2	1912.2	1917.1	1920.1	1920.1	1920.1
10°	1936.8	1939.8	1935.8	1932.9	1930.9	1930.9	1928.9	1932.9	1937.8	1936.8	1936.8
12.5°	1954.5	1956.5	1952.6	1950.6	1950.6	1953.5	1950.6	1952.6	1956.5	1954.5	1953.5
15°	1976.2	1977.2	1976.2	1979.1	1984.1	1993.9	1985.0	1983.1	1985.0	1980.1	1980.1
17.5°	2005.7	2007.7	2011.6	2018.5	2025.4	2043.1	2027.4	2022.4	2022.4	2012.6	2012.6
20°	2042.1	2045.1	2051.0	2062.8	2071.6	2088.4	2072.6	2065.7	2062.8	2050.0	2050.0
22.5°	2080.5	2085.4	2094.3	2110.0	2125.8	2141.5	2125.8	2114.0	2105.1	2088.4	2087.4
25°	2124.8	2130.7	2144.5	2170.1	2191.7	2214.3	2195.6	2172.0	2154.3	2130.7	2129.7
27.5°	2187.8	2194.7	2211.4	2242.9	2270.4	2290.1	2272.4	2241.9	2217.3	2188.8	2187.8
30°	2276.3	2283.2	2302.9	2336.4	2355.1	2367.9	2356.1	2332.4	2302.9	2270.4	2270.4
32.5°	2390.5	2399.4	2421.0	2452.5	2456.4	2458.4	2454.5	2442.7	2421.0	2381.7	2382.6
35°	2535.2	2545.0	2569.6	2595.2	2591.3	2595.2	2589.3	2585.4	2569.6	2524.4	2524.4
37.5°	2712.3	2724.1	2749.7	2769.4	2759.6	2754.6	2755.6	2756.6	2747.8	2697.6	2697.6
40°	2918.0	2933.8	2952.5	2973.1	2956.4	2941.6	2951.5	2959.3	2951.5	2900.3	2900.3
42.5°	3129.6	3152.2	3171.9	3201.5	3187.7	3169.0	3182.8	3191.6	3174.9	3119.8	3123.7
45°	3364.8	3386.5	3412.1	3456.3	3446.5	3426.8	3446.5	3448.5	3419.9	3355.0	3361.9
47.5°	3607.9	3630.5	3668.9	3728.0	3724.0	3702.4	3728.0	3714.2	3677.8	3600.0	3595.1
50°	3838.2	3869.7	3928.7	4011.4	4019.3	3992.7	4027.2	4000.6	3939.6	3842.1	3840.2
52.5°	4054.7	4088.2	4181.7	4293.9	4322.4	4288.0	4334.2	4288.0	4196.4	4071.4	4059.6
55°	4282.1	4319.4	4430.7	4577.3	4634.4	4608.8	4652.1	4582.2	4452.3	4300.7	4280.1
57.5°	4549.7	4572.4	4705.2	4879.4	4975.9	4981.8	5001.5	4883.4	4725.9	4553.7	4530.1
60°	4840.1	4871.6	5016.2	5224.9	5377.4	5426.6	5406.0	5230.8	5047.7	4849.9	4818.4
62.5°	5212.1	5246.5	5419.7	5669.7	5910.8	6032.9	5952.2	5698.2	5471.9	5234.7	5193.4
65°	5520.1	5558.5	5871.5	6317.3	6756.2	7001.3	6798.5	6331.1	5923.6	5589.0	5533.9
67.5°	5296.7	5344.0	5835.0	6653.9	7745.3	8476.5	7782.7	6754.2	5956.1	5502.4	5434.5
70°	4629.5	4673.7	5246.5	6247.4	8023.8	9626.0	8191.1	6431.4	5265.2	4757.4	4689.5
72.5°	3073.5	3216.2	3795.9	4996.5	7164.6	8907.6	7235.5	4895.2	3521.3	3066.6	2967.2
75°	1019.6	1133.7	1529.4	2590.3	4798.7	6661.7	4568.4	2292.1	1211.5	872.0	824.7
77.5°	256.9	296.2	408.4	741.1	1914.2	3792.9	1723.3	605.3	329.7	230.3	205.7
80°	125.0	137.8	196.8	247.0	479.3	1205.6	449.8	232.3	155.5	120.1	110.2
82.5°	68.9	69.9	111.2	139.7	178.1	312.0	185.0	135.8	89.6	72.8	72.8
85°	42.3	41.3	59.0	74.8	74.8	111.2	88.6	74.8	51.2	45.3	47.2
87.5°	16.7	16.7	21.7	23.6	20.7	28.5	22.6	24.6	19.7	18.7	19.7
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)