

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: P947329

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947329
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-SB2D-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17606 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

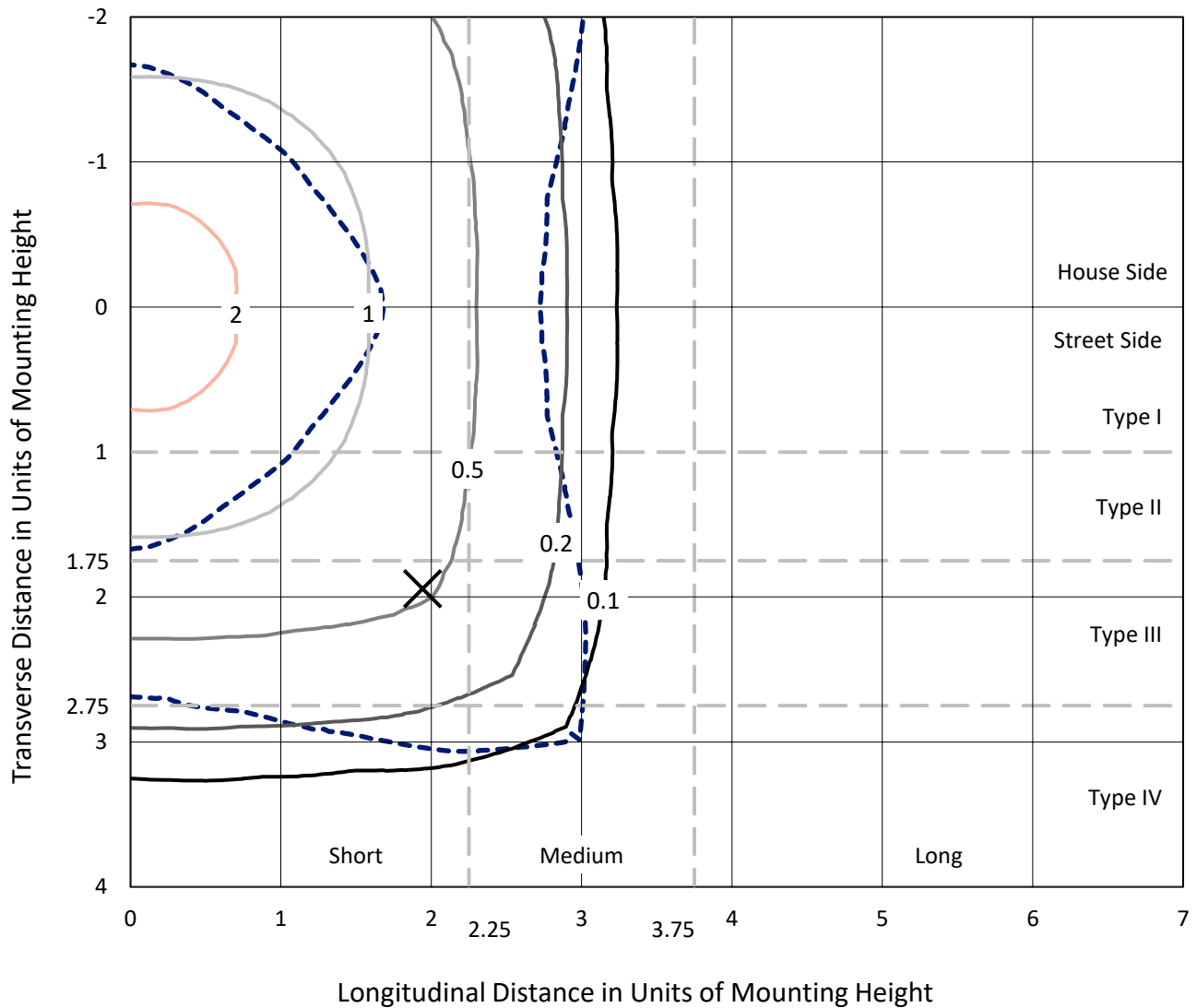
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

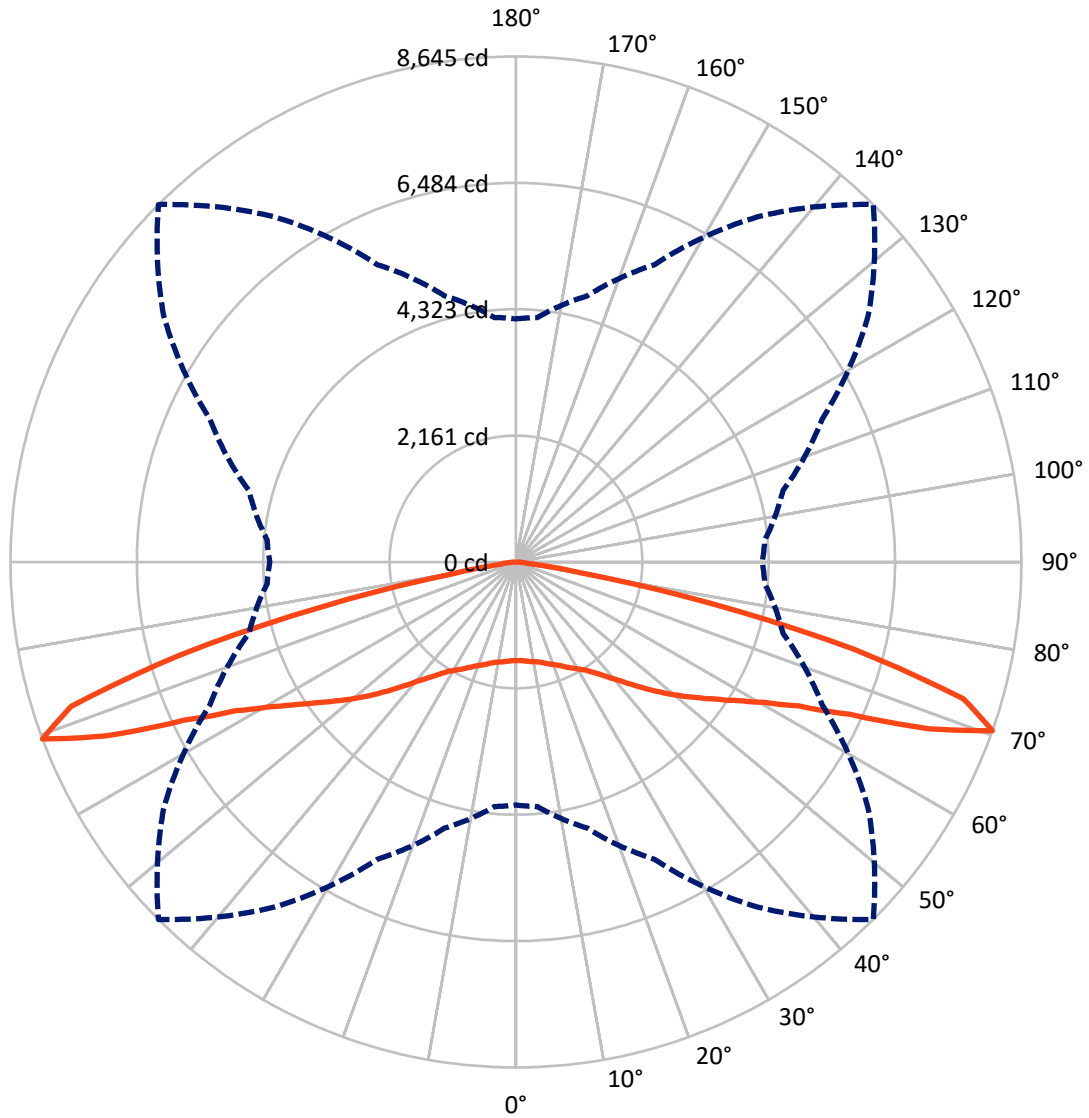
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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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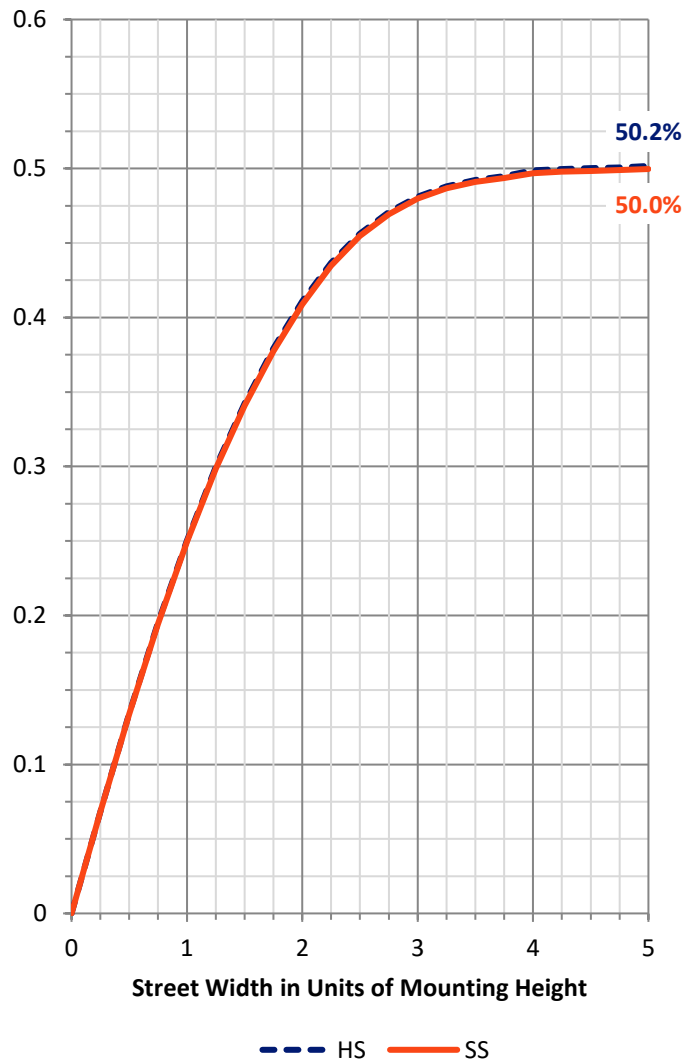
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8803.0	0.0	8803.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8803.0	0.0	8803.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17606.0	0.0	17606.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.8	0.9
10°-20°	508.1	2.9
20°-30°	907.9	5.2
30°-40°	1471.8	8.4
40°-50°	2397.3	13.6
50°-60°	3655.0	20.8
60°-70°	5437.5	30.9
70°-80°	2963.6	16.8
80°-90°	100.9	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°	17606.0	100.0
0°-180°	17606.0	100.0



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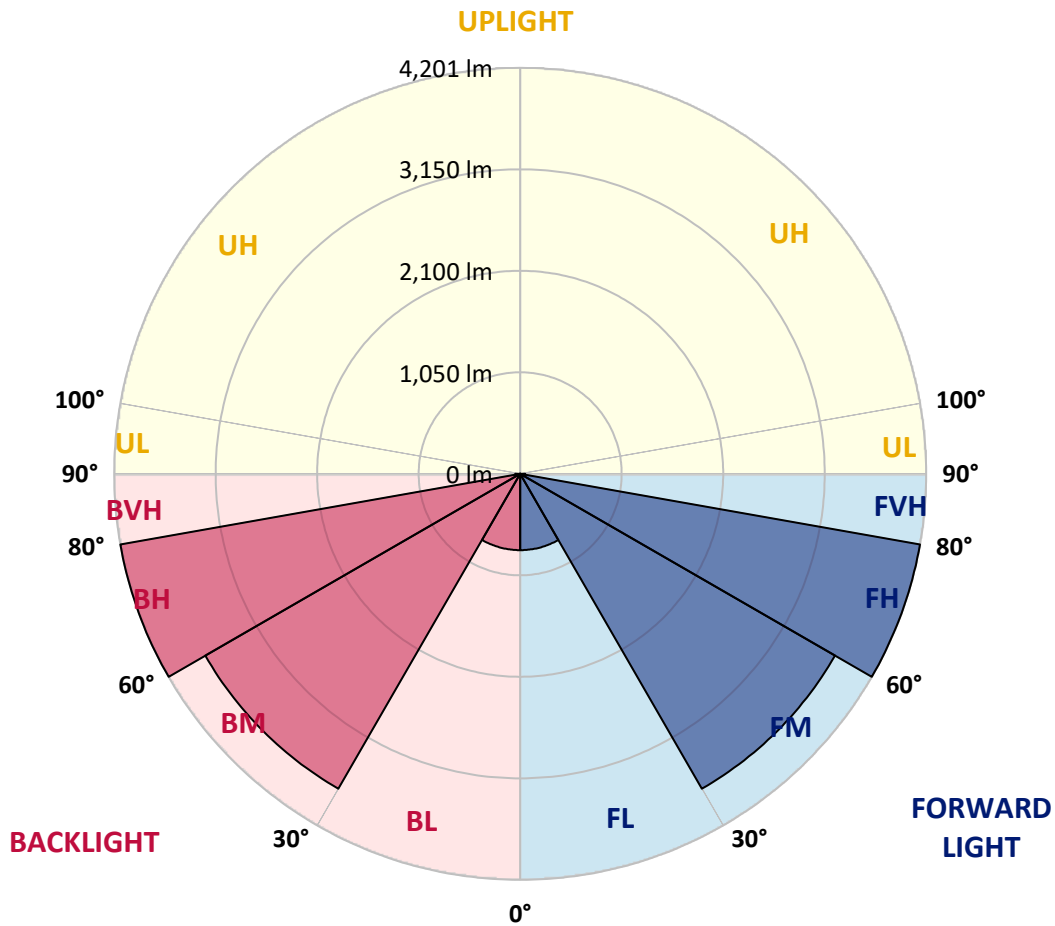
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	789.9	4.5			
FM (30°-60°)	3762.0	21.4			
FH (60°-80°)	4200.6	23.9			G2/5000
FVH (80°-90°)	50.5	0.3			G1/100
BL (0°-30°)	789.9	4.5	B2/1000		
BM (30°-60°)	3762.0	21.4	B3/5000		
BH (60°-80°)	4200.6	23.9	B4/5000		G2/5000
BVH (80°-90°)	50.5	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°	1686.5	1686.5	1686.5	1686.5	1686.5	1686.5	1686.5	1686.5	1686.5	1686.5	1686.5
2.5°	1694.4	1696.2	1692.7	1690.9	1689.1	1686.5	1687.4	1691.8	1695.3	1694.4	1695.3
5°	1708.6	1710.3	1707.7	1706.8	1703.3	1702.4	1702.4	1706.8	1709.5	1707.7	1708.6
7.5°	1724.5	1727.1	1722.7	1721.8	1720.1	1718.3	1717.4	1721.8	1724.5	1724.5	1724.5
10°	1739.5	1742.2	1738.6	1736.0	1734.2	1734.2	1732.4	1736.0	1740.4	1739.5	1739.5
12.5°	1755.4	1757.2	1753.6	1751.9	1751.9	1754.5	1751.9	1753.6	1757.2	1755.4	1754.5
15°	1774.9	1775.7	1774.9	1777.5	1781.9	1790.8	1782.8	1781.0	1782.8	1778.4	1778.4
17.5°	1801.4	1803.1	1806.7	1812.9	1819.1	1835.0	1820.8	1816.4	1816.4	1807.6	1807.6
20°	1834.1	1836.7	1842.0	1852.6	1860.6	1875.6	1861.5	1855.3	1852.6	1841.2	1841.2
22.5°	1868.6	1873.0	1880.9	1895.1	1909.2	1923.4	1909.2	1898.6	1890.7	1875.6	1874.7
25°	1908.3	1913.6	1926.0	1949.0	1968.4	1988.8	1972.0	1950.8	1934.8	1913.6	1912.7
27.5°	1964.9	1971.1	1986.1	2014.4	2039.1	2056.8	2040.9	2013.5	1991.4	1965.8	1964.9
30°	2044.5	2050.6	2068.3	2098.4	2115.2	2126.7	2116.0	2094.8	2068.3	2039.1	2039.1
32.5°	2147.0	2154.9	2174.4	2202.7	2206.2	2208.0	2204.4	2193.8	2174.4	2139.0	2139.9
35°	2276.9	2285.8	2307.9	2330.8	2327.3	2330.8	2325.5	2322.0	2307.9	2267.2	2267.2
37.5°	2436.0	2446.6	2469.6	2487.3	2478.4	2474.0	2474.9	2475.8	2467.8	2422.8	2422.8
40°	2620.8	2634.9	2651.7	2670.2	2655.2	2642.0	2650.8	2657.9	2650.8	2604.8	2604.8
42.5°	2810.8	2831.1	2848.8	2875.3	2862.9	2846.1	2858.5	2866.5	2851.4	2801.9	2805.5
45°	3022.0	3041.5	3064.5	3104.2	3095.4	3077.7	3095.4	3097.2	3071.5	3013.2	3019.4
47.5°	3240.4	3260.7	3295.2	3348.2	3344.7	3325.2	3348.2	3335.8	3303.1	3233.3	3228.9
50°	3447.2	3475.5	3528.5	3602.8	3609.8	3586.0	3616.9	3593.0	3538.2	3450.7	3449.0
52.5°	3641.6	3671.7	3755.7	3856.4	3882.1	3851.1	3892.7	3851.1	3768.9	3656.7	3646.1
55°	3845.8	3879.4	3979.3	4111.0	4162.3	4139.3	4178.2	4115.4	3998.7	3862.6	3844.1
57.5°	4086.2	4106.6	4225.9	4382.4	4469.0	4474.3	4492.0	4385.9	4244.5	4089.8	4068.6
60°	4347.0	4375.3	4505.2	4692.6	4829.6	4873.8	4855.2	4697.9	4533.5	4355.8	4327.6
62.5°	4681.1	4712.0	4867.6	5092.1	5308.7	5418.3	5345.8	5117.8	4914.5	4701.4	4664.3
65°	4957.8	4992.2	5273.3	5673.7	6067.9	6288.0	6105.9	5686.1	5320.2	5019.6	4970.1
67.5°	4757.1	4799.6	5240.6	5976.0	6956.3	7613.0	6989.8	6066.2	5349.3	4941.9	4880.9
70°	4157.8	4197.6	4712.0	5611.0	7206.4	8645.4	7356.7	5776.3	4728.8	4272.8	4211.8
72.5°	2760.4	2888.6	3409.2	4487.5	6434.8	8000.1	6498.4	4396.5	3162.6	2754.2	2664.9
75°	915.7	1018.2	1373.6	2326.4	4309.9	5983.1	4103.0	2058.6	1088.1	783.1	740.7
77.5°	230.7	266.1	366.8	665.6	1719.2	3406.5	1547.7	543.6	296.1	206.8	184.7
80°	112.3	123.7	176.8	221.9	430.5	1082.8	403.9	208.6	139.7	107.8	99.0
82.5°	61.9	62.8	99.9	125.5	160.0	280.2	166.2	122.0	80.4	65.4	65.4
85°	38.0	37.1	53.0	67.2	67.2	99.9	79.6	67.2	46.0	40.7	42.4
87.5°	15.0	15.0	19.4	21.2	18.6	25.6	20.3	22.1	17.7	16.8	17.7
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)