

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: P941430

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941430
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-SB5A-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18934 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

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



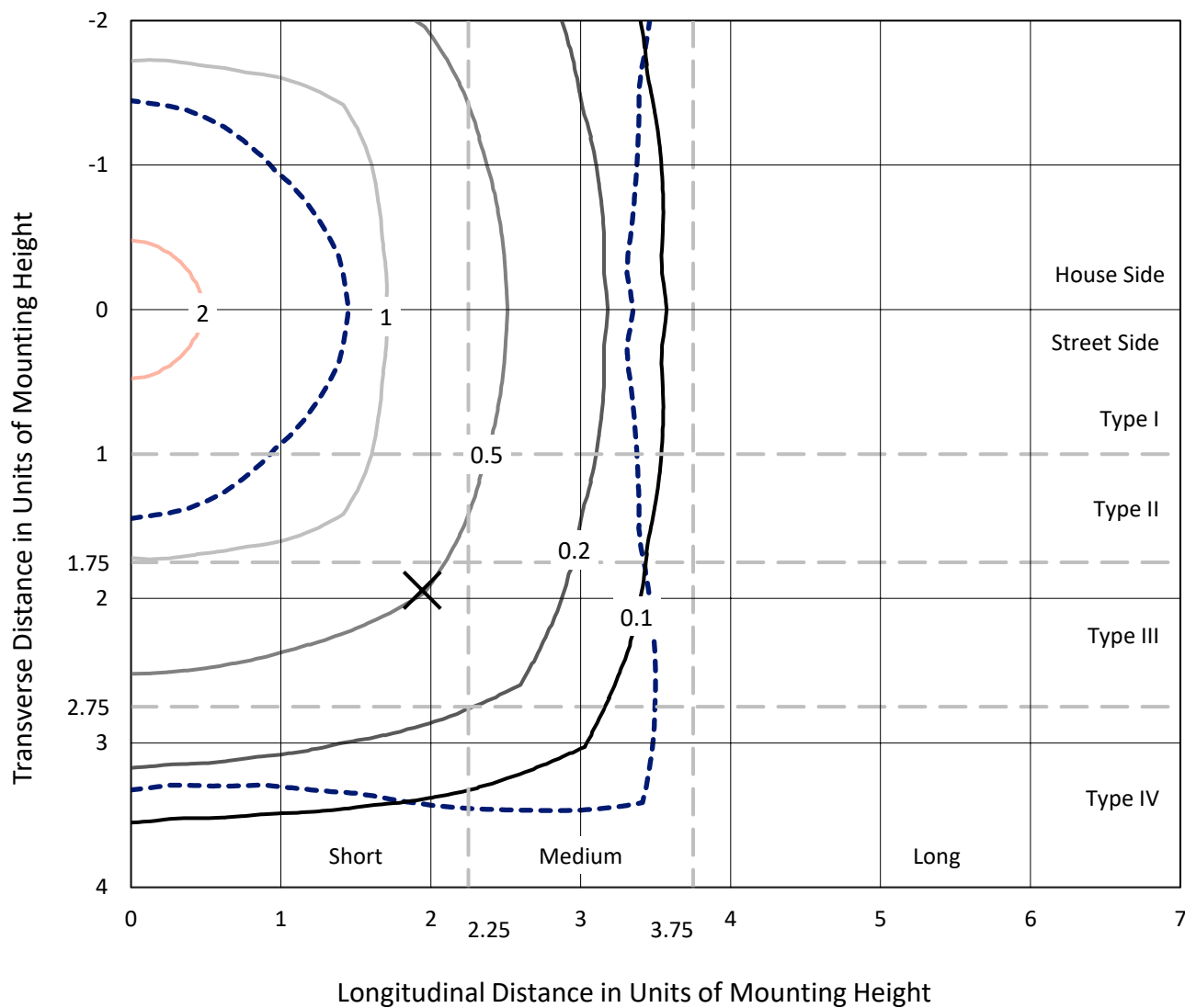
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Iso-Footcandle Lines of Horizontal Illumination

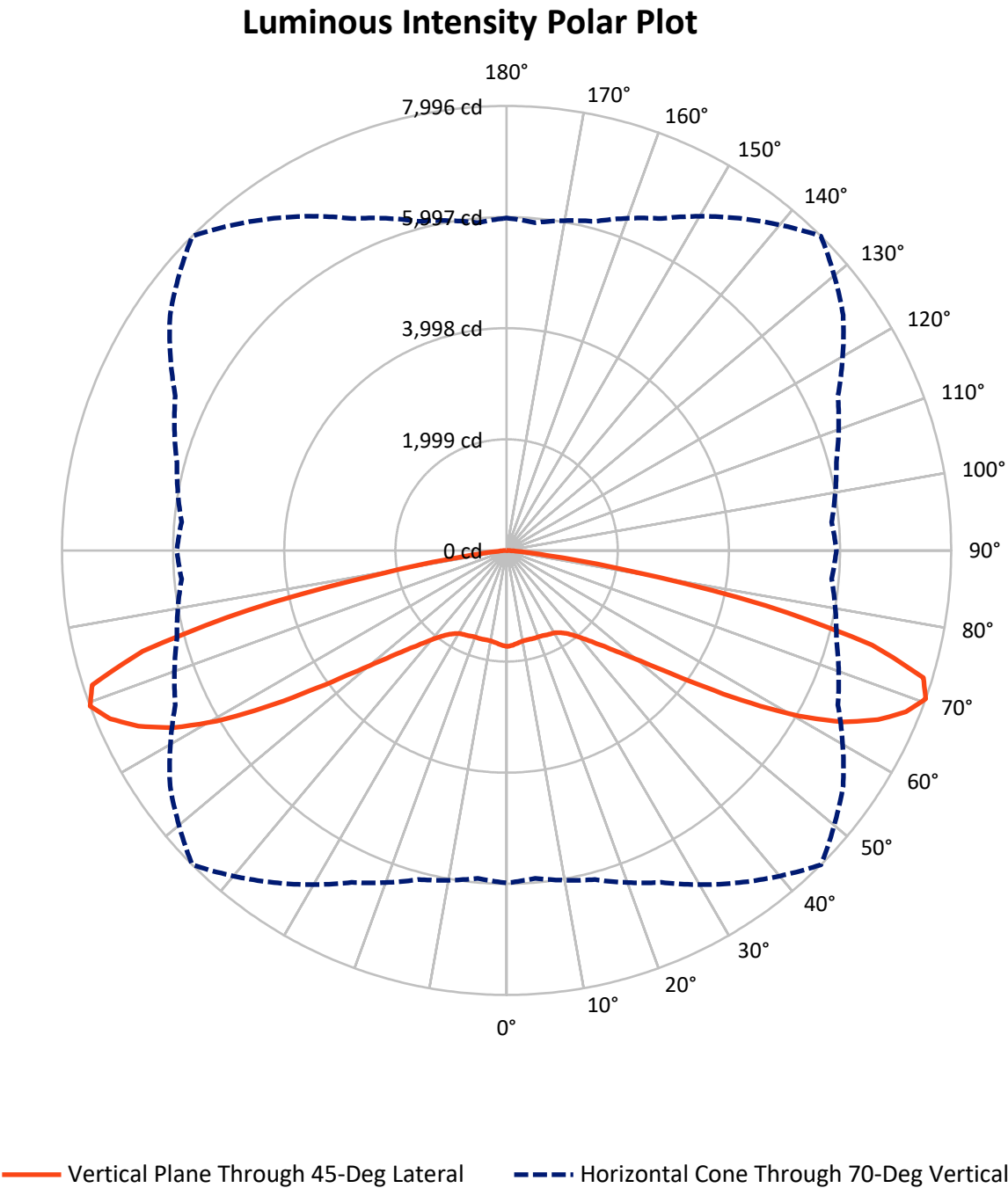
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
Type V - Short - N/A

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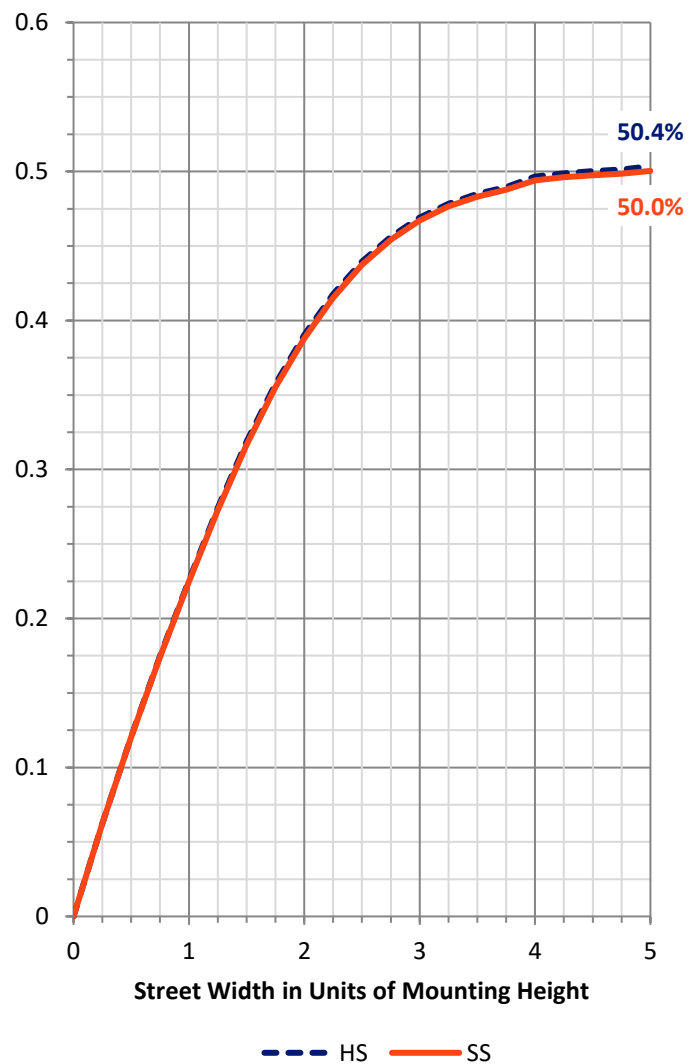
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9467.0	0.0	9467.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9467.0	0.0	9467.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18934.0	0.0	18934.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.7	0.8
10°-20°	471.8	2.5
20°-30°	785.1	4.1
30°-40°	1187.3	6.3
40°-50°	1973.0	10.4
50°-60°	3722.9	19.7
60°-70°	6286.3	33.2
70°-80°	4130.7	21.8
80°-90°	216.4	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°	18934.0	100.0
0°-180°	18934.0	100.0

Coefficient of Utilization



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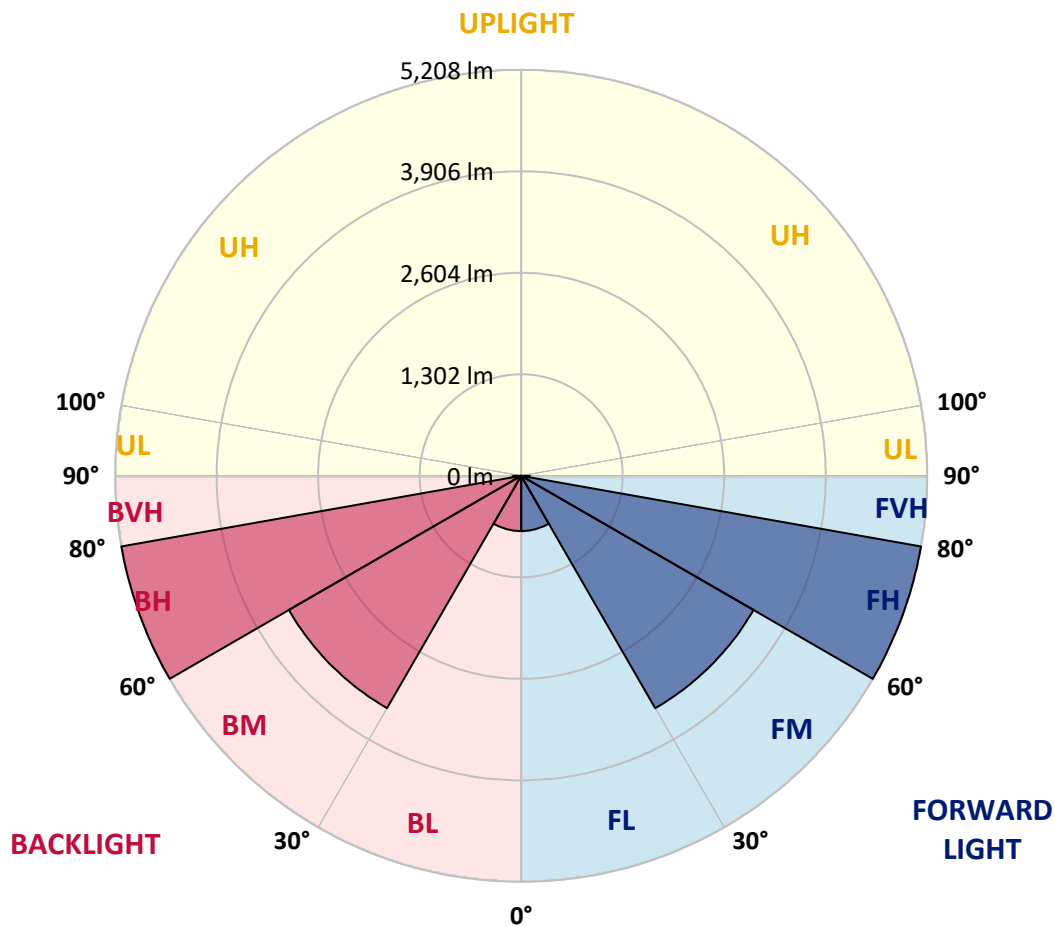
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	708.7	3.7			
FM	(30°-60°)	3441.6	18.2			
FH	(60°-80°)	5208.5	27.5			G3/7500
FVH	(80°-90°)	108.2	0.6			G2/225
BL	(0°-30°)	708.7	3.7	B2/1000		
BM	(30°-60°)	3441.6	18.2	B3/5000		
BH	(60°-80°)	5208.5	27.5	B5		G3/7500
BVH	(80°-90°)	108.2	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°	90°
0°	1727.2	1727.2	1727.2	1727.2	1727.2	1727.2	1727.2	1727.2	1727.2	1727.2	1727.2
2.5°	1716.3	1721.3	1719.3	1715.4	1715.4	1712.4	1715.4	1717.3	1720.3	1722.2	1721.3
5°	1693.7	1697.6	1696.7	1693.7	1694.7	1691.7	1693.7	1696.7	1698.6	1699.6	1699.6
7.5°	1674.0	1678.0	1676.0	1671.1	1671.1	1668.1	1669.1	1672.1	1675.0	1676.0	1676.0
10°	1669.1	1673.0	1667.1	1659.3	1656.3	1652.4	1653.4	1656.3	1662.2	1665.2	1665.2
12.5°	1671.1	1674.0	1668.1	1656.3	1653.4	1649.4	1649.4	1652.4	1660.2	1664.2	1665.2
15°	1677.0	1679.9	1671.1	1658.3	1655.3	1652.4	1651.4	1655.3	1664.2	1671.1	1672.1
17.5°	1687.8	1690.7	1677.0	1659.3	1655.3	1656.3	1655.3	1658.3	1672.1	1684.8	1684.8
20°	1697.6	1699.6	1680.9	1659.3	1655.3	1656.3	1655.3	1661.2	1678.9	1696.7	1697.6
22.5°	1700.6	1702.6	1684.8	1666.1	1663.2	1664.2	1663.2	1669.1	1685.8	1703.5	1703.5
25°	1701.6	1704.5	1690.7	1676.0	1680.9	1682.9	1680.9	1681.9	1694.7	1710.4	1709.4
27.5°	1716.3	1720.3	1707.5	1694.7	1697.6	1696.7	1699.6	1702.6	1712.4	1728.1	1724.2
30°	1746.8	1749.8	1739.0	1726.2	1724.2	1717.3	1726.2	1736.0	1746.8	1760.6	1757.7
32.5°	1797.0	1802.9	1789.2	1775.4	1766.5	1762.6	1769.5	1786.2	1801.0	1815.7	1809.8
35°	1880.7	1884.6	1871.8	1846.2	1830.5	1830.5	1836.4	1858.1	1881.7	1900.4	1893.5
37.5°	1998.8	2003.7	1981.1	1950.6	1926.9	1926.9	1934.8	1957.5	1992.9	2019.5	2009.6
40°	2142.5	2149.4	2120.8	2089.3	2066.7	2062.8	2072.6	2098.2	2131.6	2165.1	2154.3
42.5°	2315.7	2323.5	2286.2	2258.6	2240.9	2240.9	2245.8	2269.4	2299.9	2341.3	2338.3
45°	2537.1	2550.9	2499.7	2472.2	2455.4	2459.4	2462.3	2483.0	2510.5	2557.8	2555.8
47.5°	2800.9	2814.6	2760.5	2732.0	2729.0	2747.7	2735.9	2750.7	2765.4	2819.6	2803.8
50°	3100.0	3123.7	3086.3	3084.3	3090.2	3124.6	3097.1	3105.0	3088.2	3122.7	3102.0
52.5°	3466.1	3500.6	3493.7	3505.5	3571.4	3642.3	3579.3	3551.8	3488.8	3499.6	3463.2
55°	3910.0	3962.1	3972.0	4042.8	4192.4	4337.1	4203.3	4092.0	3958.2	3933.6	3895.2
57.5°	4414.8	4456.2	4503.4	4648.1	4927.6	5184.4	4927.6	4681.5	4470.9	4420.7	4385.3
60°	4958.1	5009.3	5054.5	5268.1	5683.4	6044.6	5675.5	5284.8	5006.3	4938.4	4879.4
62.5°	5541.7	5607.6	5639.1	5876.3	6360.5	6791.5	6367.4	5894.0	5585.0	5512.2	5453.1
65°	6101.7	6155.8	6191.2	6444.1	6906.7	7338.7	6938.2	6471.7	6153.8	6058.4	6011.1
67.5°	6362.5	6392.0	6478.6	6765.0	7253.1	7746.1	7335.8	6795.5	6440.2	6272.9	6274.9
70°	5980.6	5920.6	6129.2	6587.8	7294.4	7996.1	7388.9	6574.0	6139.1	5867.4	5932.4
72.5°	4621.5	4518.2	4880.3	5664.7	6822.0	7836.7	6869.3	5709.0	5105.7	4554.6	4691.4
75°	2514.5	2397.4	2897.3	3889.3	5440.3	6792.5	5565.3	4000.5	3226.0	2495.8	2658.2
77.5°	709.6	665.3	1068.8	1881.7	3272.3	4769.1	3398.2	1923.0	1267.6	751.9	835.5
80°	217.5	210.6	285.4	566.9	1389.6	2284.2	1335.5	573.8	363.1	229.3	242.1
82.5°	128.9	118.1	141.7	206.7	354.3	717.4	344.4	215.5	173.2	116.1	126.0
85°	73.8	68.9	83.7	100.4	119.1	152.5	99.4	102.4	92.5	62.0	65.0
87.5°	30.5	27.6	32.5	31.5	27.6	35.4	26.6	31.5	37.4	24.6	22.6
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)