

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: P940920

Luminaire Tested: **GALN-SB4B-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940920
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-SB4B-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18858 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 147
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

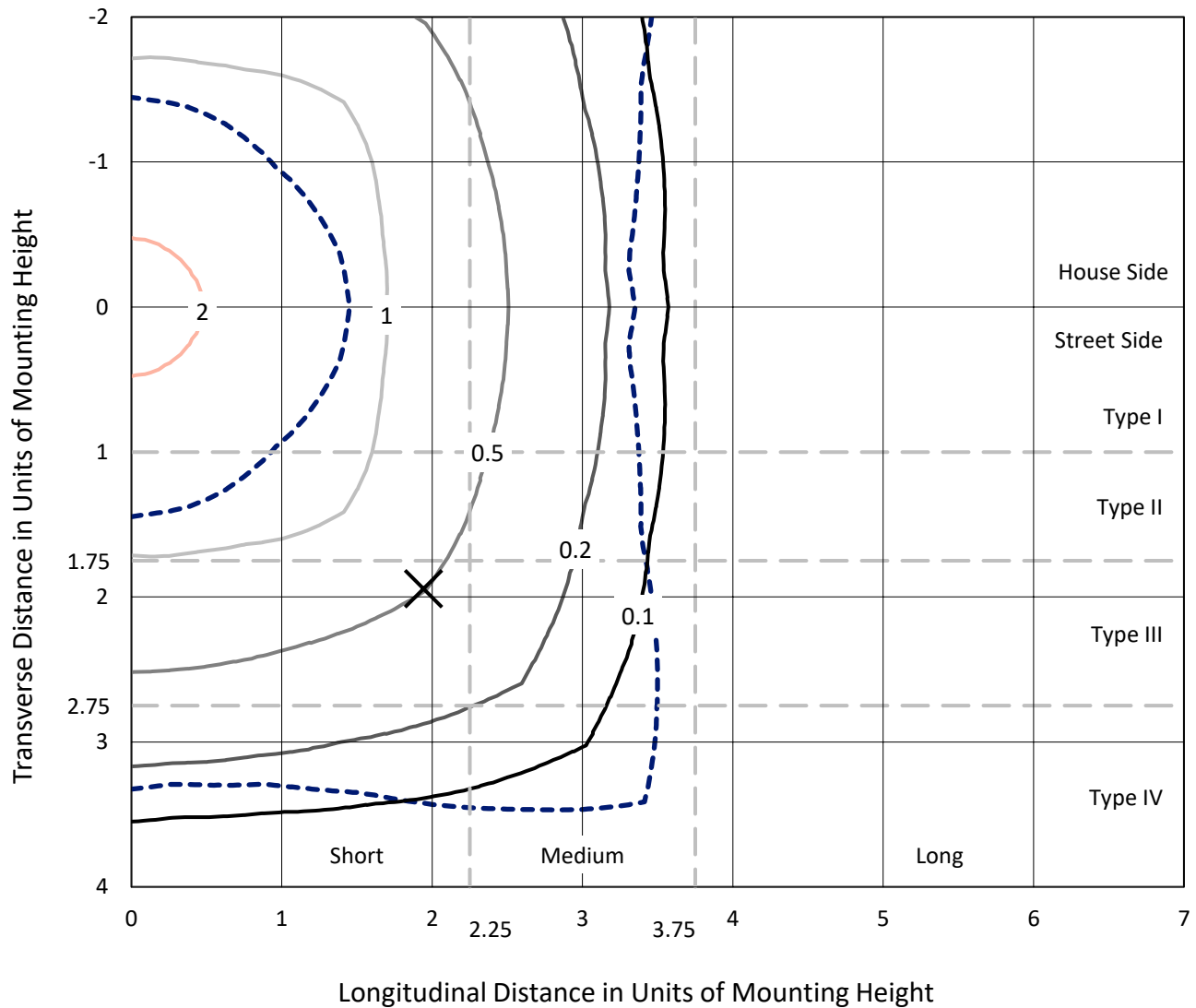


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

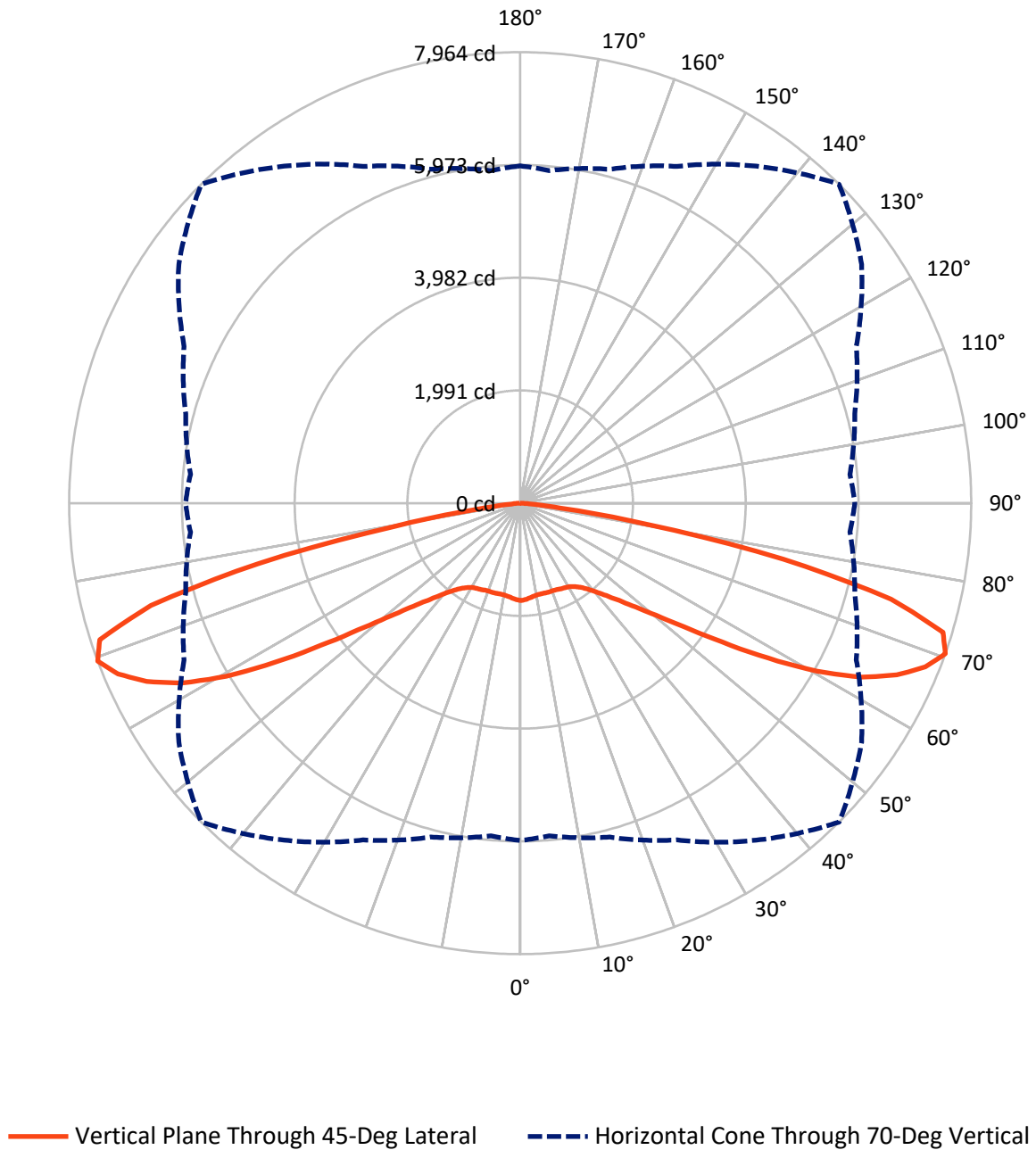


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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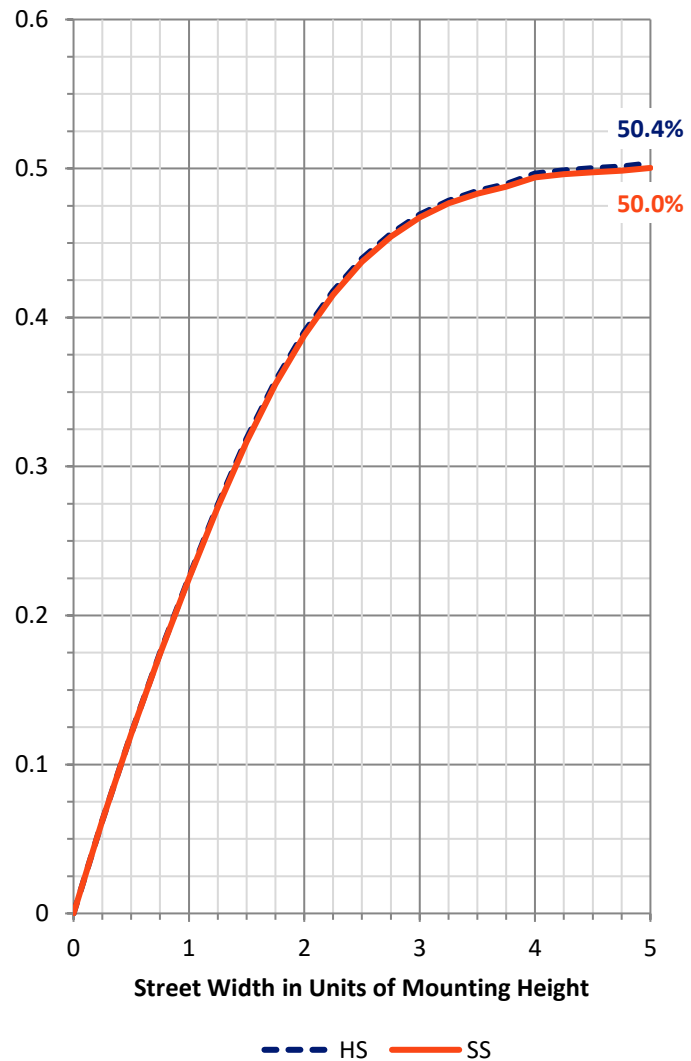
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9429.0	0.0	9429.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9429.0	0.0	9429.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18858.0	0.0	18858.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.0	0.8
10°-20°	469.9	2.5
20°-30°	781.9	4.1
30°-40°	1182.5	6.3
40°-50°	1965.0	10.4
50°-60°	3707.9	19.7
60°-70°	6261.0	33.2
70°-80°	4114.2	21.8
80°-90°	215.5	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°	18858.0	100.0
0°-180°	18858.0	100.0

Coefficient of Utilization



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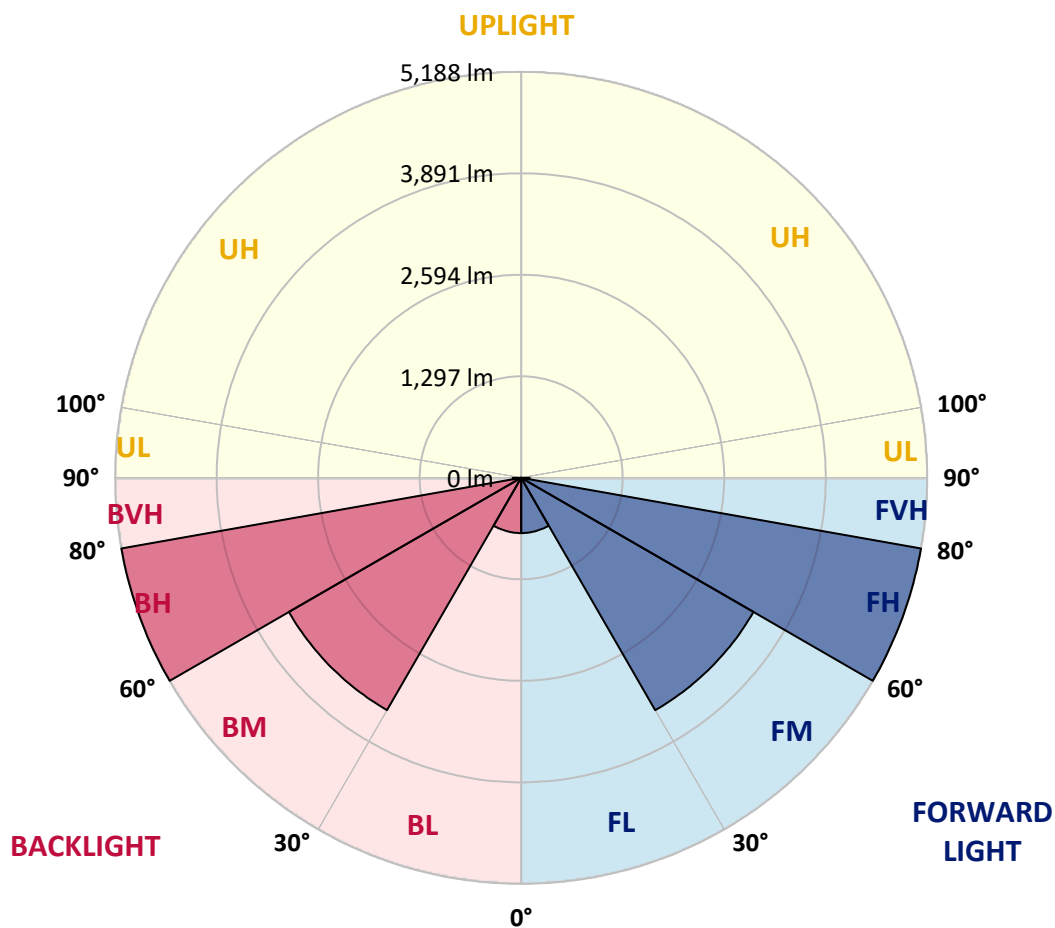
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	705.9	3.7			
FM	(30°-60°)	3427.7	18.2			
FH	(60°-80°)	5187.6	27.5			G3/7500
FVH	(80°-90°)	107.8	0.6			G2/225
BL	(0°-30°)	705.9	3.7	B2/1000		
BM	(30°-60°)	3427.7	18.2	B3/5000		
BH	(60°-80°)	5187.6	27.5	B5		G3/7500
BVH	(80°-90°)	107.8	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°	1720.2	1720.2	1720.2	1720.2	1720.2	1720.2	1720.2	1720.2	1720.2	1720.2	1720.2
2.5°	1709.4	1714.3	1712.4	1708.5	1708.5	1705.5	1708.5	1710.4	1713.4	1715.3	1714.3
5°	1686.9	1690.8	1689.8	1686.9	1687.9	1684.9	1686.9	1689.8	1691.8	1692.8	1692.8
7.5°	1667.3	1671.2	1669.3	1664.4	1664.4	1661.4	1662.4	1665.3	1668.3	1669.3	1669.3
10°	1662.4	1666.3	1660.4	1652.6	1649.7	1645.7	1646.7	1649.7	1655.5	1658.5	1658.5
12.5°	1664.4	1667.3	1661.4	1649.7	1646.7	1642.8	1642.8	1645.7	1653.6	1657.5	1658.5
15°	1670.2	1673.2	1664.4	1651.6	1648.7	1645.7	1644.8	1648.7	1657.5	1664.4	1665.3
17.5°	1681.0	1684.0	1670.2	1652.6	1648.7	1649.7	1648.7	1651.6	1665.3	1678.1	1678.1
20°	1690.8	1692.8	1674.2	1652.6	1648.7	1649.7	1648.7	1654.6	1672.2	1689.8	1690.8
22.5°	1693.8	1695.7	1678.1	1659.5	1656.5	1657.5	1656.5	1662.4	1679.1	1696.7	1696.7
25°	1694.7	1697.7	1684.0	1669.3	1674.2	1676.1	1674.2	1675.1	1687.9	1703.6	1702.6
27.5°	1709.4	1713.4	1700.6	1687.9	1690.8	1689.8	1692.8	1695.7	1705.5	1721.2	1717.3
30°	1739.8	1742.8	1732.0	1719.2	1717.3	1710.4	1719.2	1729.1	1739.8	1753.6	1750.6
32.5°	1789.8	1795.7	1782.0	1768.3	1759.4	1755.5	1762.4	1779.0	1793.7	1808.4	1802.6
35°	1873.1	1877.1	1864.3	1838.8	1823.1	1823.1	1829.0	1850.6	1874.1	1892.7	1885.9
37.5°	1990.8	1995.7	1973.1	1942.7	1919.2	1919.2	1927.0	1949.6	1984.9	2011.3	2001.5
40°	2133.9	2140.7	2112.3	2080.9	2058.4	2054.5	2064.3	2089.8	2123.1	2156.4	2145.6
42.5°	2306.4	2314.2	2277.0	2249.5	2231.9	2231.9	2236.8	2260.3	2290.7	2331.9	2328.9
45°	2526.9	2540.6	2489.7	2462.2	2445.6	2449.5	2452.4	2473.0	2500.5	2547.5	2545.5
47.5°	2789.6	2803.3	2749.4	2721.0	2718.1	2736.7	2724.9	2739.6	2754.3	2808.2	2792.6
50°	3087.6	3111.1	3073.9	3071.9	3077.8	3112.1	3084.7	3092.5	3075.8	3110.1	3089.6
52.5°	3452.2	3486.5	3479.7	3491.4	3557.1	3627.7	3564.9	3537.5	3474.8	3485.5	3449.3
55°	3894.3	3946.2	3956.0	4026.6	4175.6	4319.7	4186.4	4075.6	3942.3	3917.8	3879.6
57.5°	4397.1	4438.3	4485.3	4629.4	4907.8	5163.6	4907.8	4662.8	4453.0	4403.0	4367.7
60°	4938.2	4989.2	5034.2	5246.9	5660.6	6020.3	5652.7	5263.6	4986.2	4918.6	4859.8
62.5°	5519.4	5585.1	5616.5	5852.7	6335.0	6764.3	6341.8	5870.3	5562.6	5490.0	5431.2
65°	6077.2	6131.1	6166.4	6418.3	6879.0	7309.3	6910.3	6445.7	6129.1	6034.0	5987.0
67.5°	6336.9	6366.3	6452.6	6737.8	7224.0	7715.1	7306.3	6768.2	6414.3	6247.7	6249.7
70°	5956.6	5896.8	6104.6	6561.4	7265.2	7964.0	7359.2	6547.7	6114.4	5843.9	5908.6
72.5°	4603.0	4500.0	4860.8	5642.0	6794.7	7805.2	6841.7	5686.1	5085.2	4536.3	4672.6
75°	2504.4	2387.7	2885.7	3873.7	5418.5	6765.3	5543.0	3984.5	3213.1	2485.8	2647.5
77.5°	706.7	662.6	1064.5	1874.1	3259.1	4750.0	3384.6	1915.3	1262.5	748.9	832.2
80°	216.6	209.8	284.3	564.6	1384.0	2275.0	1330.1	571.4	361.7	228.4	241.1
82.5°	128.4	117.6	141.1	205.8	352.9	714.6	343.1	214.7	172.5	115.7	125.5
85°	73.5	68.6	83.3	100.0	118.6	151.9	99.0	101.9	92.1	61.8	64.7
87.5°	30.4	27.4	32.3	31.4	27.4	35.3	26.5	31.4	37.2	24.5	22.5
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)