

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: P940410

Luminaire Tested: **GALN-SB3C-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940410
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-SB3C-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18776 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

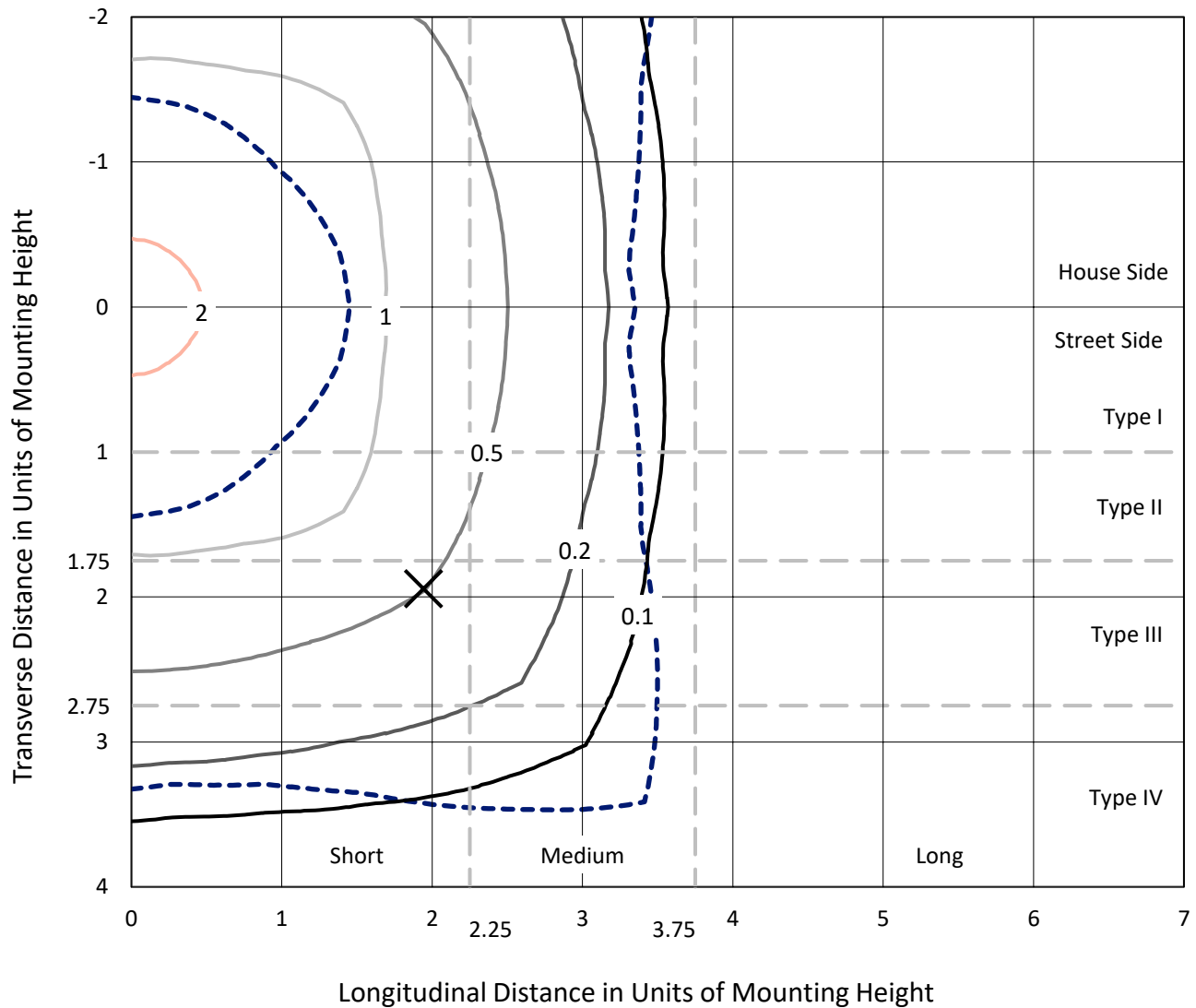
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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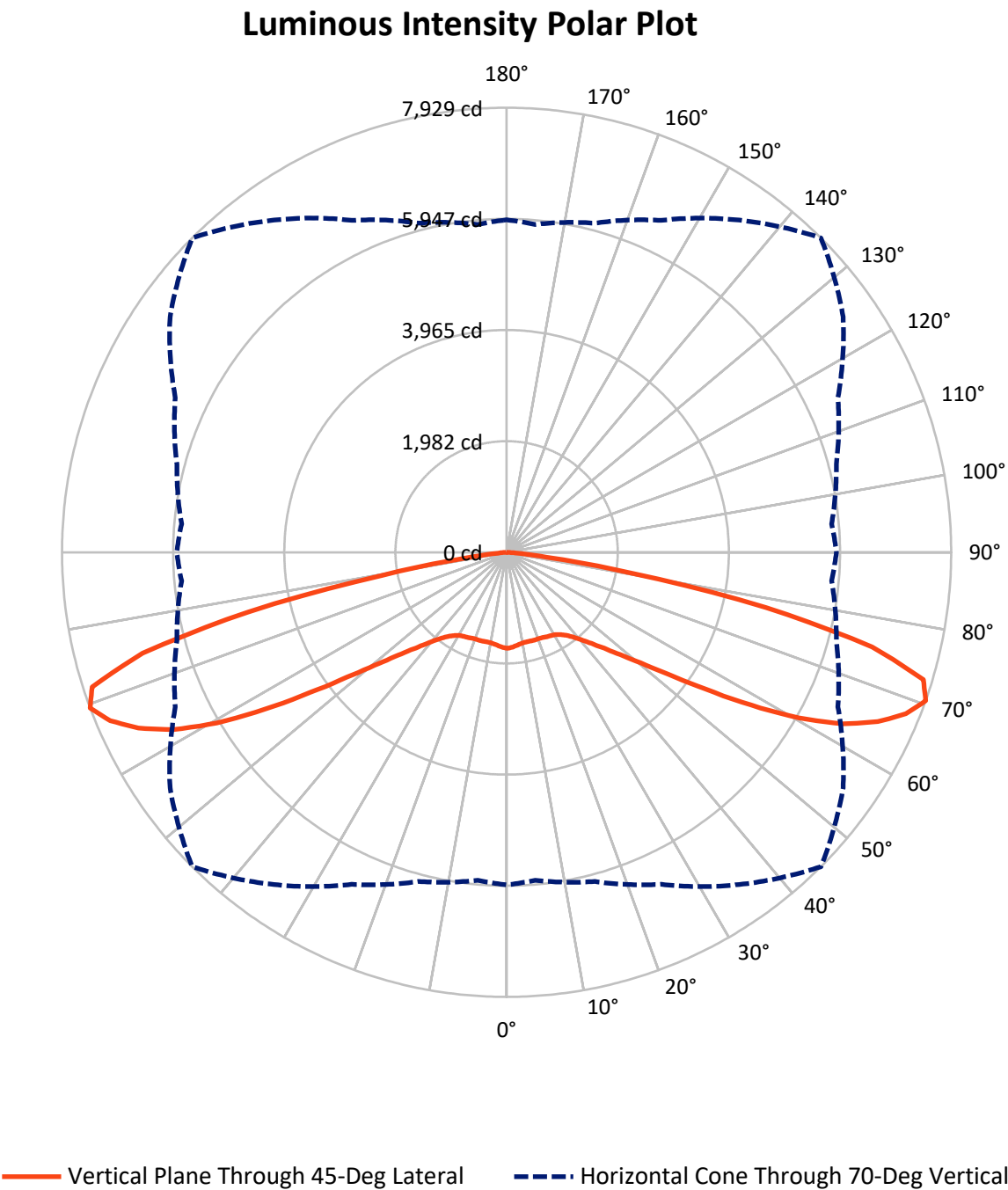
Iso-Footcandle Lines of Horizontal Illumination

✕ 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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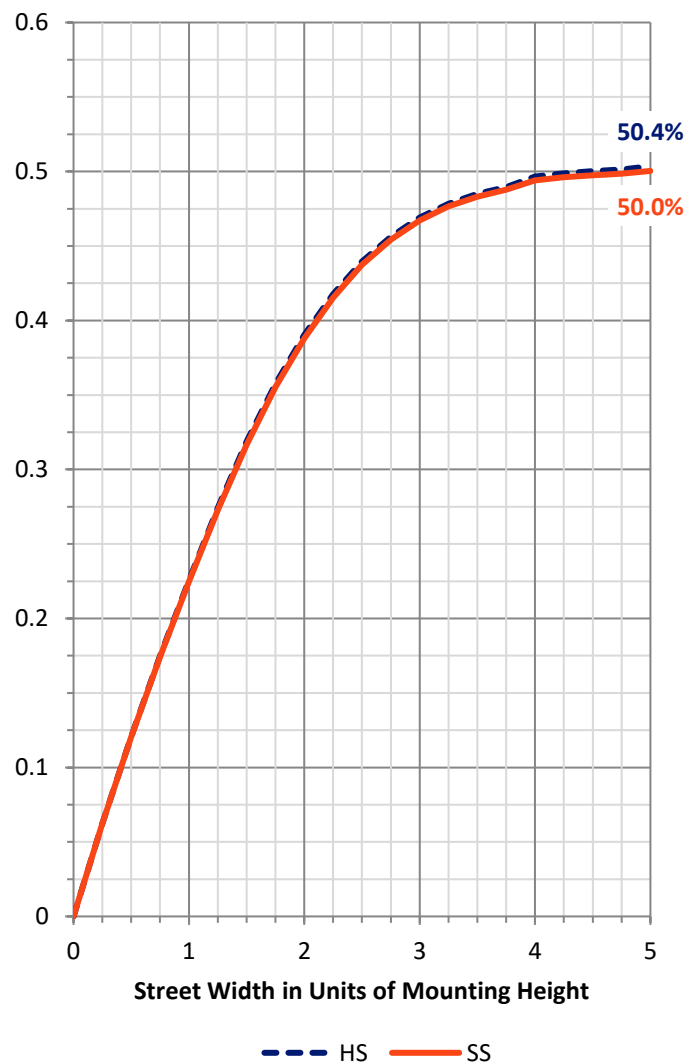
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9388.0	0.0	9388.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9388.0	0.0	9388.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18776.0	0.0	18776.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.3	0.8
10°-20°	467.8	2.5
20°-30°	778.5	4.1
30°-40°	1177.4	6.3
40°-50°	1956.5	10.4
50°-60°	3691.8	19.7
60°-70°	6233.8	33.2
70°-80°	4096.3	21.8
80°-90°	214.6	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°	18776.0	100.0
0°-180°	18776.0	100.0

Coefficient of Utilization



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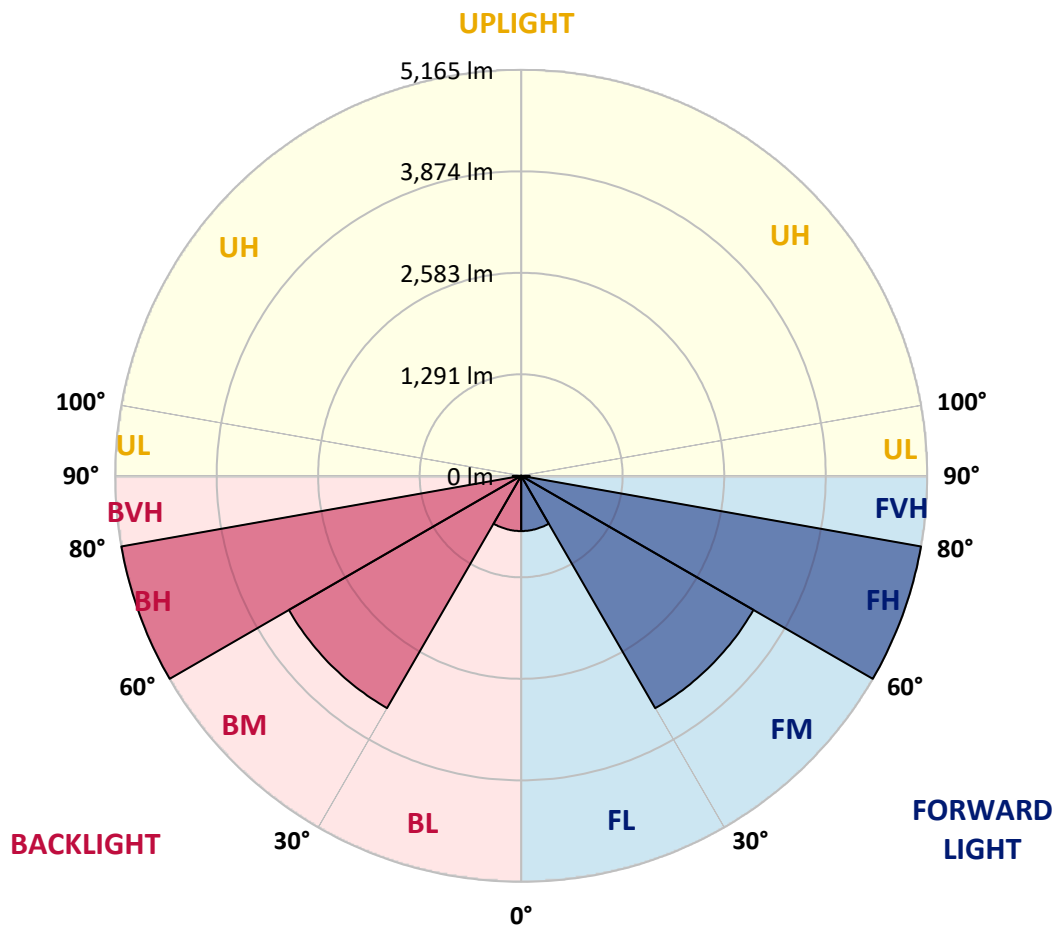
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	702.8	3.7			
FM	(30°-60°)	3412.8	18.2			
FH	(60°-80°)	5165.0	27.5			G3/7500
FVH	(80°-90°)	107.3	0.6			G2/225
BL	(0°-30°)	702.8	3.7	B2/1000		
BM	(30°-60°)	3412.8	18.2	B3/5000		
BH	(60°-80°)	5165.0	27.5	B5		G3/7500
BVH	(80°-90°)	107.3	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°	1712.7	1712.7	1712.7	1712.7	1712.7	1712.7	1712.7	1712.7	1712.7	1712.7	1712.7
2.5°	1702.0	1706.9	1704.9	1701.0	1701.0	1698.1	1701.0	1703.0	1705.9	1707.9	1706.9
5°	1679.6	1683.5	1682.5	1679.6	1680.5	1677.6	1679.6	1682.5	1684.4	1685.4	1685.4
7.5°	1660.0	1664.0	1662.0	1657.1	1657.1	1654.2	1655.2	1658.1	1661.0	1662.0	1662.0
10°	1655.2	1659.1	1653.2	1645.4	1642.5	1638.6	1639.6	1642.5	1648.3	1651.3	1651.3
12.5°	1657.1	1660.0	1654.2	1642.5	1639.6	1635.7	1635.7	1638.6	1646.4	1650.3	1651.3
15°	1663.0	1665.9	1657.1	1644.4	1641.5	1638.6	1637.6	1641.5	1650.3	1657.1	1658.1
17.5°	1673.7	1676.6	1663.0	1645.4	1641.5	1642.5	1641.5	1644.4	1658.1	1670.8	1670.8
20°	1683.5	1685.4	1666.9	1645.4	1641.5	1642.5	1641.5	1647.4	1664.9	1682.5	1683.5
22.5°	1686.4	1688.4	1670.8	1652.2	1649.3	1650.3	1649.3	1655.2	1671.8	1689.3	1689.3
25°	1687.4	1690.3	1676.6	1662.0	1666.9	1668.8	1666.9	1667.9	1680.5	1696.2	1695.2
27.5°	1702.0	1705.9	1693.2	1680.5	1683.5	1682.5	1685.4	1688.4	1698.1	1713.7	1709.8
30°	1732.3	1735.2	1724.5	1711.8	1709.8	1703.0	1711.8	1721.5	1732.3	1745.9	1743.0
32.5°	1782.0	1787.9	1774.2	1760.6	1751.8	1747.9	1754.7	1771.3	1785.9	1800.6	1794.7
35°	1865.0	1868.9	1856.2	1830.8	1815.2	1815.2	1821.1	1842.5	1866.0	1884.5	1877.7
37.5°	1982.1	1987.0	1964.5	1934.3	1910.9	1910.9	1918.7	1941.1	1976.2	2002.6	1992.8
40°	2124.6	2131.4	2103.1	2071.9	2049.4	2045.5	2055.3	2080.7	2113.9	2147.0	2136.3
42.5°	2296.4	2304.2	2267.1	2239.7	2222.2	2222.2	2227.1	2250.5	2280.7	2321.7	2318.8
45°	2515.9	2529.6	2478.9	2451.5	2434.9	2438.8	2441.8	2462.3	2489.6	2536.4	2534.5
47.5°	2777.5	2791.1	2737.5	2709.2	2706.2	2724.8	2713.1	2727.7	2742.4	2796.0	2780.4
50°	3074.2	3097.6	3060.5	3058.6	3064.4	3098.6	3071.2	3079.0	3062.5	3096.6	3076.1
52.5°	3437.2	3471.4	3464.5	3476.2	3541.6	3611.9	3549.4	3522.1	3459.7	3470.4	3434.3
55°	3877.4	3929.1	3938.8	4009.1	4157.4	4300.9	4168.2	4057.9	3925.2	3900.8	3862.7
57.5°	4378.0	4419.0	4465.8	4609.3	4886.5	5141.2	4886.5	4642.5	4433.6	4383.9	4348.7
60°	4916.7	4967.5	5012.4	5224.1	5636.0	5994.1	5628.2	5240.7	4964.5	4897.2	4838.6
62.5°	5495.4	5560.8	5592.1	5827.3	6307.4	6734.9	6314.2	5844.8	5538.4	5466.2	5407.6
65°	6050.7	6104.4	6139.5	6390.4	6849.0	7277.5	6880.3	6417.7	6102.5	6007.8	5961.0
67.5°	6309.4	6338.6	6424.5	6708.5	7192.6	7681.5	7274.5	6738.8	6386.5	6220.5	6222.5
70°	5930.7	5871.2	6078.1	6532.8	7233.6	7929.4	7327.2	6519.2	6087.8	5818.5	5882.9
72.5°	4582.9	4480.5	4839.6	5617.4	6765.1	7771.3	6812.0	5661.3	5063.1	4516.6	4652.2
75°	2493.5	2377.4	2873.1	3856.9	5394.9	6735.8	5518.9	3967.1	3199.1	2474.9	2636.0
77.5°	703.6	659.7	1059.9	1866.0	3245.0	4729.3	3369.9	1907.0	1257.0	745.6	828.6
80°	215.7	208.8	283.0	562.1	1378.0	2265.1	1324.3	569.0	360.1	227.4	240.1
82.5°	127.8	117.1	140.5	204.9	351.3	711.4	341.6	213.7	171.8	115.2	124.9
85°	73.2	68.3	83.0	99.5	118.1	151.3	98.6	101.5	91.7	61.5	64.4
87.5°	30.3	27.3	32.2	31.2	27.3	35.1	26.3	31.2	37.1	24.4	22.4
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)