

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: P949118

Luminaire Tested: **GALN-SB4A-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949118
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB4A-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15293 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

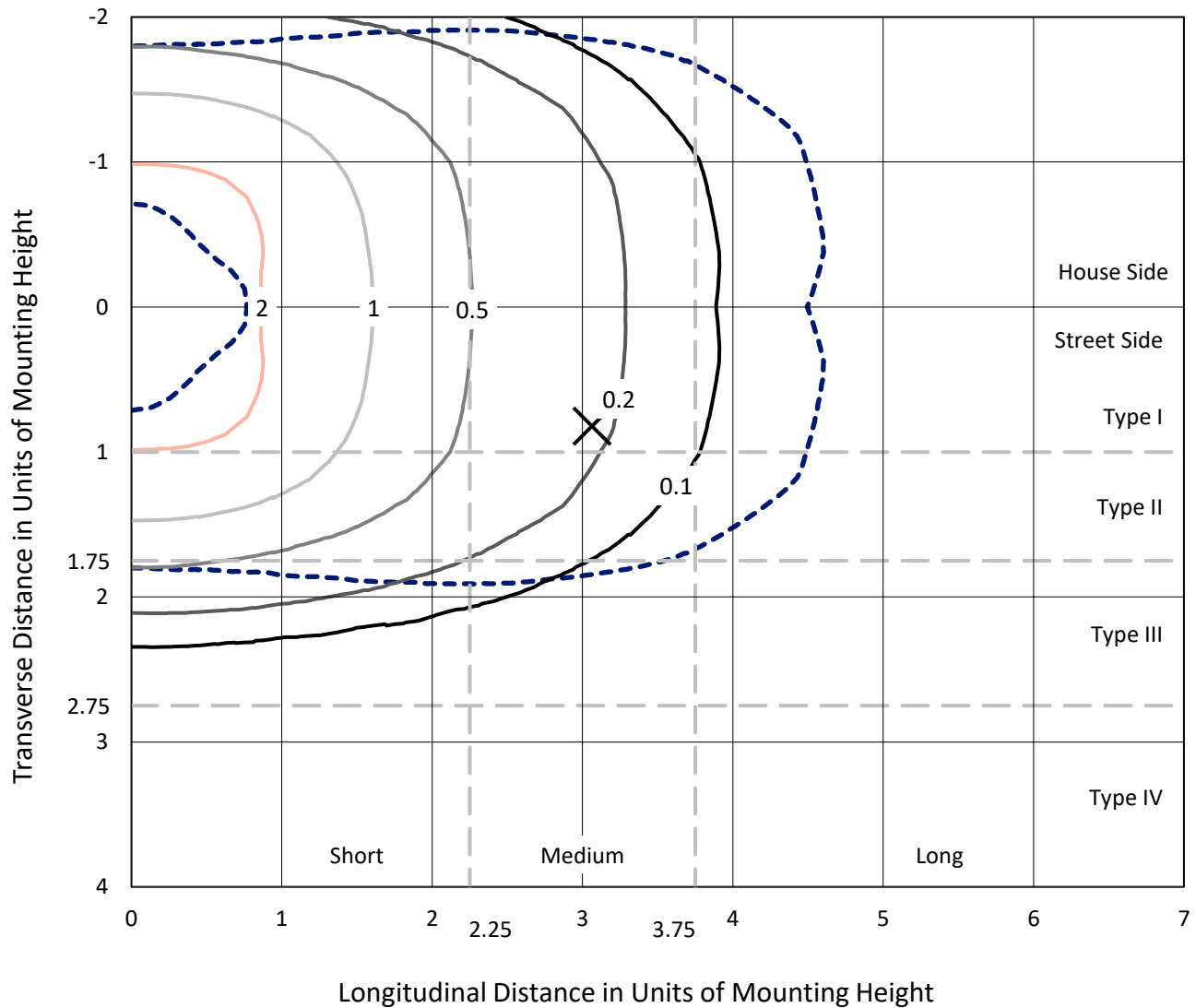
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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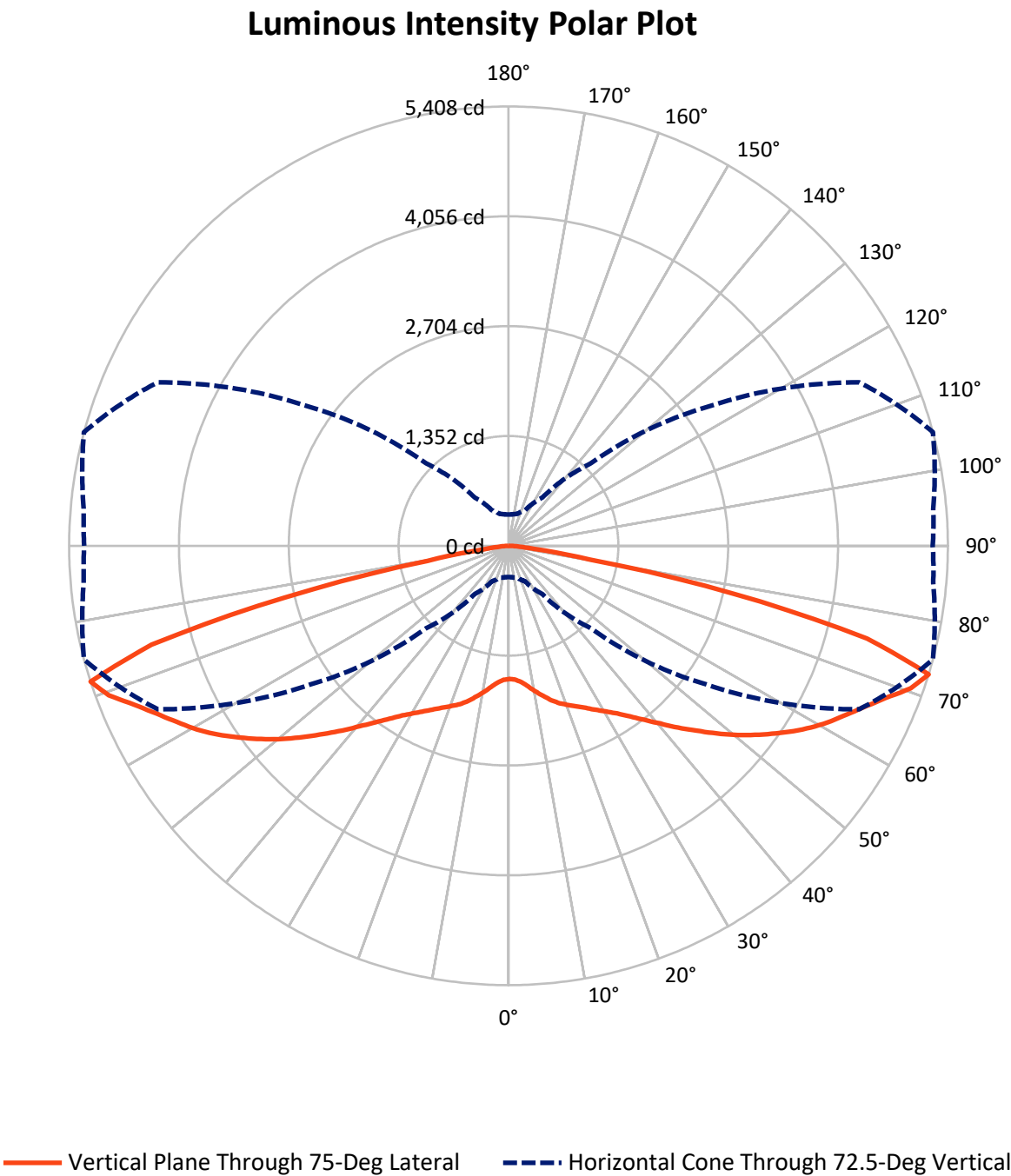
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type III - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7646.5	0.0	7646.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7646.5	0.0	7646.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15293.0	0.0	15293.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.5	1.0
10°-20°	529.3	3.5
20°-30°	1022.7	6.7
30°-40°	1726.9	11.3
40°-50°	2738.6	17.9
50°-60°	3666.7	24.0
60°-70°	3489.5	22.8
70°-80°	1820.9	11.9
80°-90°	137.8	0.9
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°	15293.0	100.0
0°-180°	15293.0	100.0

Coefficient of Utilization



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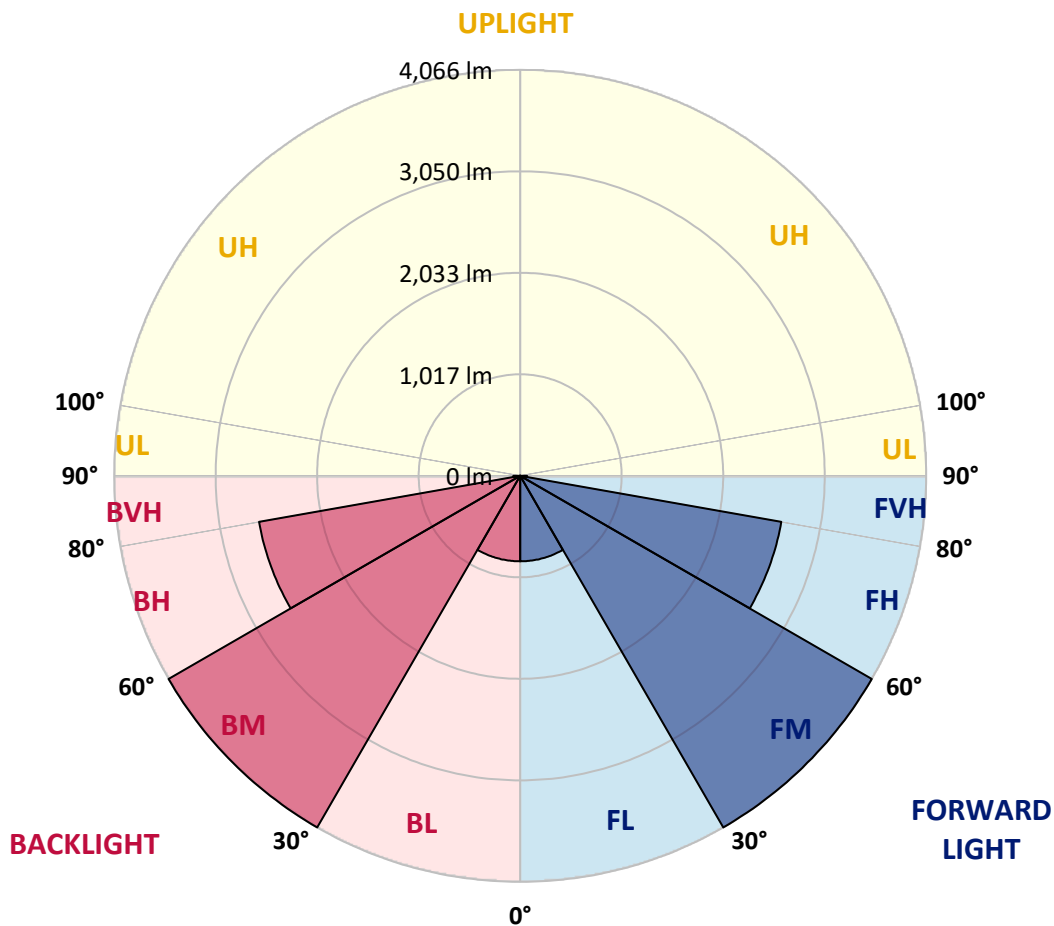
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	856.2	5.6			
FM	(30°-60°)	4066.1	26.6			
FH	(60°-80°)	2655.2	17.4			G2/5000
FVH	(80°-90°)	68.9	0.5			G1/100
BL	(0°-30°)	856.2	5.6	B2/1000		
BM	(30°-60°)	4066.1	26.6	B3/5000		
BH	(60°-80°)	2655.2	17.4	B4/5000		G4/5000
BVH	(80°-90°)	68.9	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1638.2	1638.2	1638.2	1638.2	1638.2	1638.2	1638.2	1638.2	1638.2	1638.2	1638.2
2.5°	1638.2	1636.6	1638.2	1639.7	1638.9	1638.9	1642.8	1645.2	1649.9	1649.1	1648.3
5°	1627.2	1626.4	1632.7	1639.7	1645.2	1654.6	1666.3	1674.9	1685.8	1688.1	1688.1
7.5°	1621.8	1619.4	1630.3	1642.8	1660.0	1683.4	1706.1	1729.5	1748.2	1754.5	1756.1
10°	1625.7	1626.4	1641.3	1664.7	1692.0	1724.8	1756.8	1796.7	1823.2	1829.5	1835.7
12.5°	1643.6	1642.1	1667.0	1704.5	1742.0	1783.4	1820.9	1864.6	1893.5	1908.3	1914.6
15°	1676.4	1673.3	1708.4	1763.9	1818.5	1866.9	1897.4	1938.8	1972.3	1991.1	1998.1
17.5°	1715.5	1717.0	1763.1	1834.9	1906.8	1961.4	1990.3	2011.4	2037.2	2053.5	2061.4
20°	1784.2	1787.3	1838.8	1923.9	2005.9	2068.4	2091.8	2084.0	2091.0	2103.5	2112.9
22.5°	1876.3	1877.9	1935.6	2027.8	2113.7	2182.4	2198.0	2166.0	2146.5	2155.1	2161.3
25°	1983.3	1993.4	2051.2	2145.7	2233.9	2299.5	2306.5	2258.1	2209.7	2212.1	2216.0
27.5°	2113.7	2123.0	2181.6	2275.3	2365.1	2422.1	2421.3	2356.5	2285.5	2267.5	2273.0
30°	2255.0	2265.2	2325.3	2422.1	2505.6	2555.6	2544.7	2467.4	2365.9	2332.3	2336.2
32.5°	2422.9	2429.1	2490.0	2586.8	2664.1	2704.0	2681.3	2586.1	2459.6	2421.3	2430.7
35°	2625.9	2635.3	2680.5	2771.9	2839.8	2872.6	2834.4	2721.9	2579.8	2536.9	2543.1
37.5°	2857.8	2851.5	2903.1	2984.3	3040.5	3060.8	3008.5	2875.0	2717.2	2666.5	2675.9
40°	3099.8	3096.7	3152.9	3231.0	3261.5	3274.0	3196.7	3050.7	2875.7	2821.1	2839.1
42.5°	3319.3	3316.9	3392.6	3479.3	3516.0	3502.0	3404.4	3237.3	3059.2	2996.8	3012.4
45°	3494.9	3491.8	3584.7	3706.5	3778.4	3754.9	3623.8	3443.4	3245.1	3180.3	3195.1
47.5°	3630.0	3631.6	3731.5	3882.2	4007.9	4016.5	3847.9	3653.4	3449.6	3376.3	3398.1
50°	3727.6	3732.3	3839.3	4006.4	4178.2	4253.9	4076.6	3868.9	3661.3	3578.5	3603.5
52.5°	3751.8	3760.4	3889.2	4085.2	4287.5	4431.9	4309.3	4075.9	3861.9	3783.1	3803.4
55°	3623.0	3640.2	3803.4	4079.0	4354.6	4549.0	4513.9	4285.9	4064.2	3982.9	4005.6
57.5°	3327.1	3351.3	3541.8	3901.7	4339.8	4629.5	4672.4	4487.4	4266.4	4188.3	4206.3
60°	2912.4	2941.3	3124.0	3516.8	4130.5	4659.1	4784.1	4683.3	4452.2	4376.5	4392.9
62.5°	2287.0	2324.5	2543.1	3003.8	3688.6	4520.9	4879.3	4860.6	4619.3	4524.8	4535.8
65°	1467.2	1507.0	1737.3	2281.5	3099.1	4097.7	4909.0	5033.1	4795.8	4663.8	4680.2
67.5°	884.7	902.6	1016.6	1382.8	2265.2	3459.8	4657.6	5224.4	5001.9	4837.9	4850.4
70°	566.1	576.2	644.2	812.0	1280.5	2524.4	4034.5	5260.4	5251.8	5016.7	5015.2
72.5°	384.2	387.3	405.2	481.0	724.6	1434.4	2975.7	4762.2	5407.9	5247.1	5222.1
75°	281.1	298.3	327.2	340.4	411.5	716.8	1705.3	3345.8	4557.6	4627.9	4457.7
77.5°	209.3	210.0	249.9	265.5	293.6	381.8	721.5	1867.7	2829.7	2971.0	2650.1
80°	177.2	167.9	167.1	213.9	221.0	238.1	322.5	645.0	1013.5	614.5	464.6
82.5°	147.6	137.4	124.1	167.1	150.7	146.0	139.8	262.4	322.5	158.5	135.1
85°	103.1	98.4	93.7	109.3	85.9	73.4	67.2	122.6	135.9	67.2	59.3
87.5°	44.5	46.1	46.8	48.4	35.9	25.8	25.8	34.4	34.4	26.5	19.5
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)