

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: P948047

Luminaire Tested: **GALN-SB3B-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948047
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-SB3B-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14372 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 109.2
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

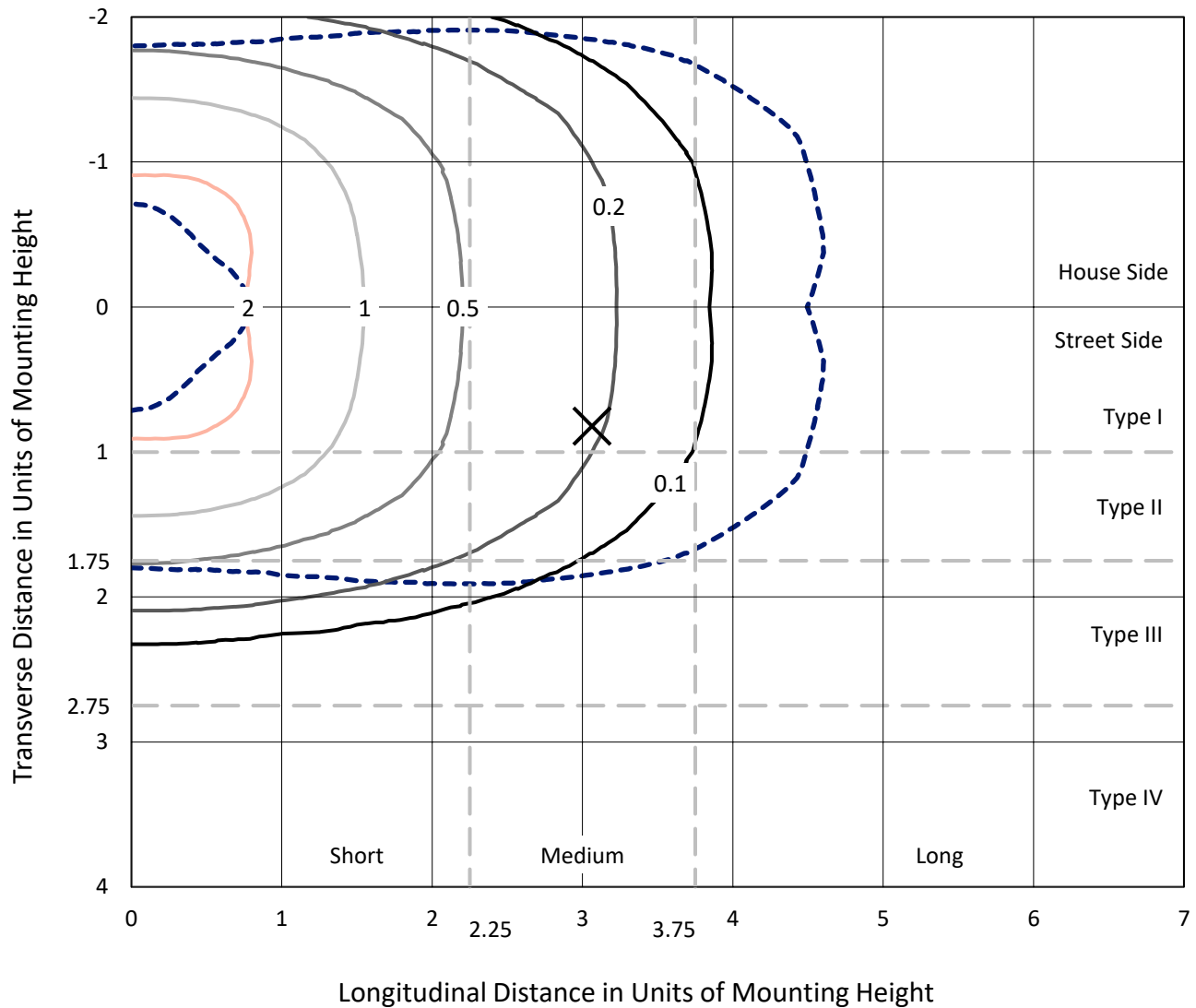


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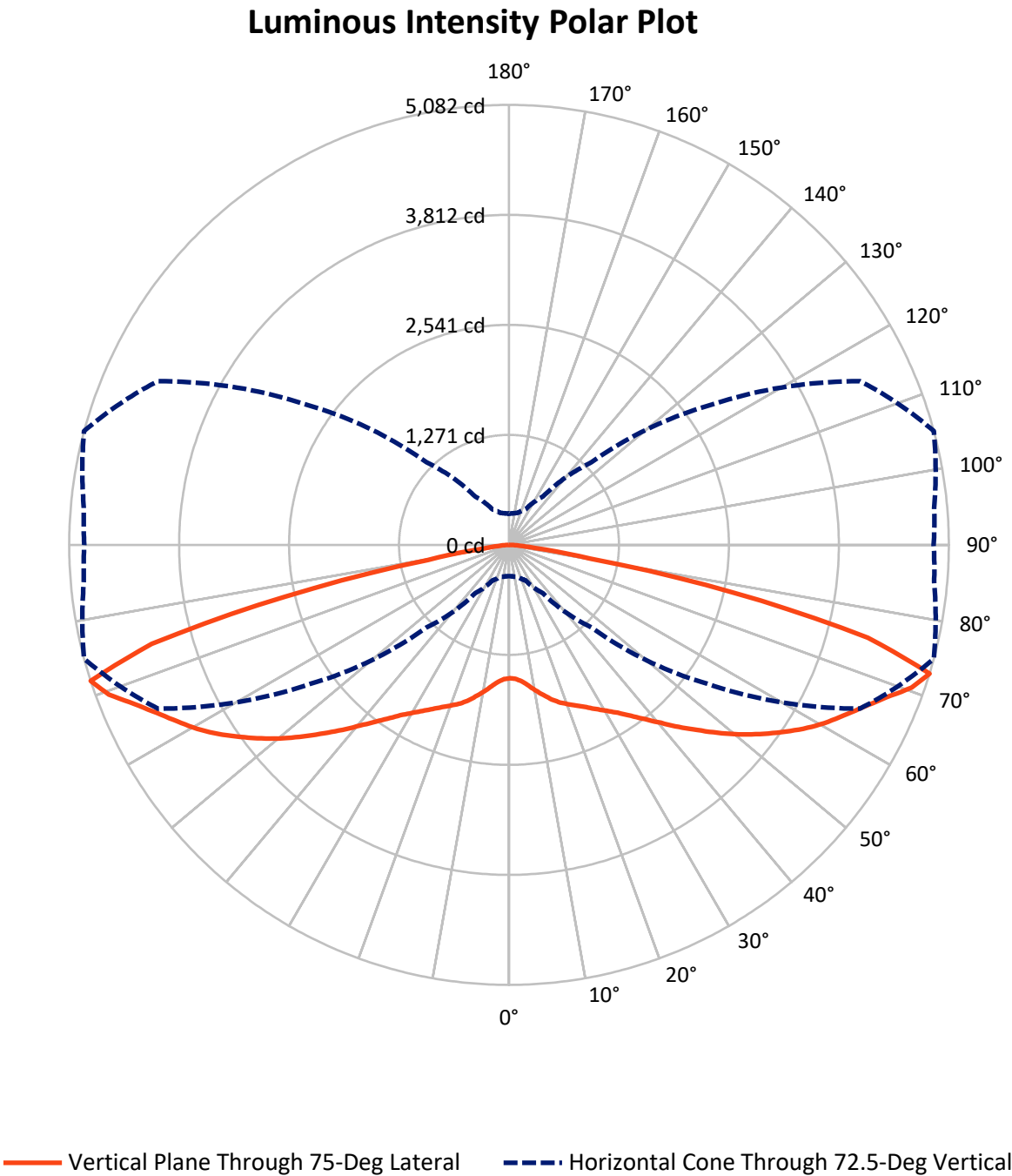
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
Type III - Medium - N/A

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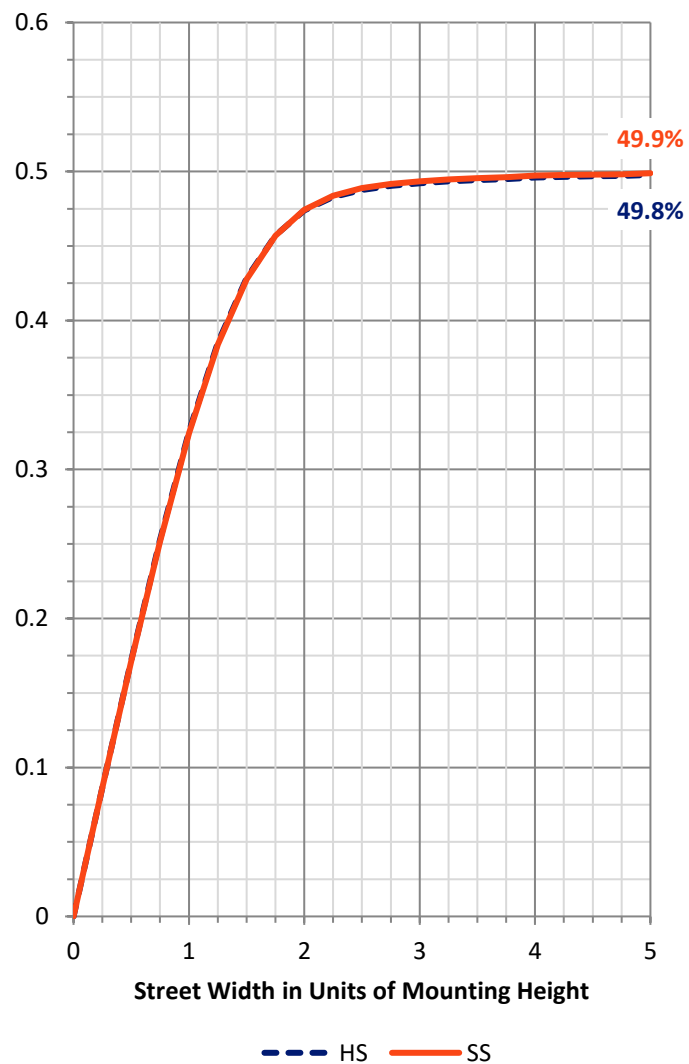
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7186.0	0.0	7186.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7186.0	0.0	7186.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14372.0	0.0	14372.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	1.0
10°-20°	497.4	3.5
20°-30°	961.1	6.7
30°-40°	1622.9	11.3
40°-50°	2573.7	17.9
50°-60°	3445.9	24.0
60°-70°	3279.4	22.8
70°-80°	1711.3	11.9
80°-90°	129.5	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°	14372.0	100.0
0°-180°	14372.0	100.0

Coefficient of Utilization



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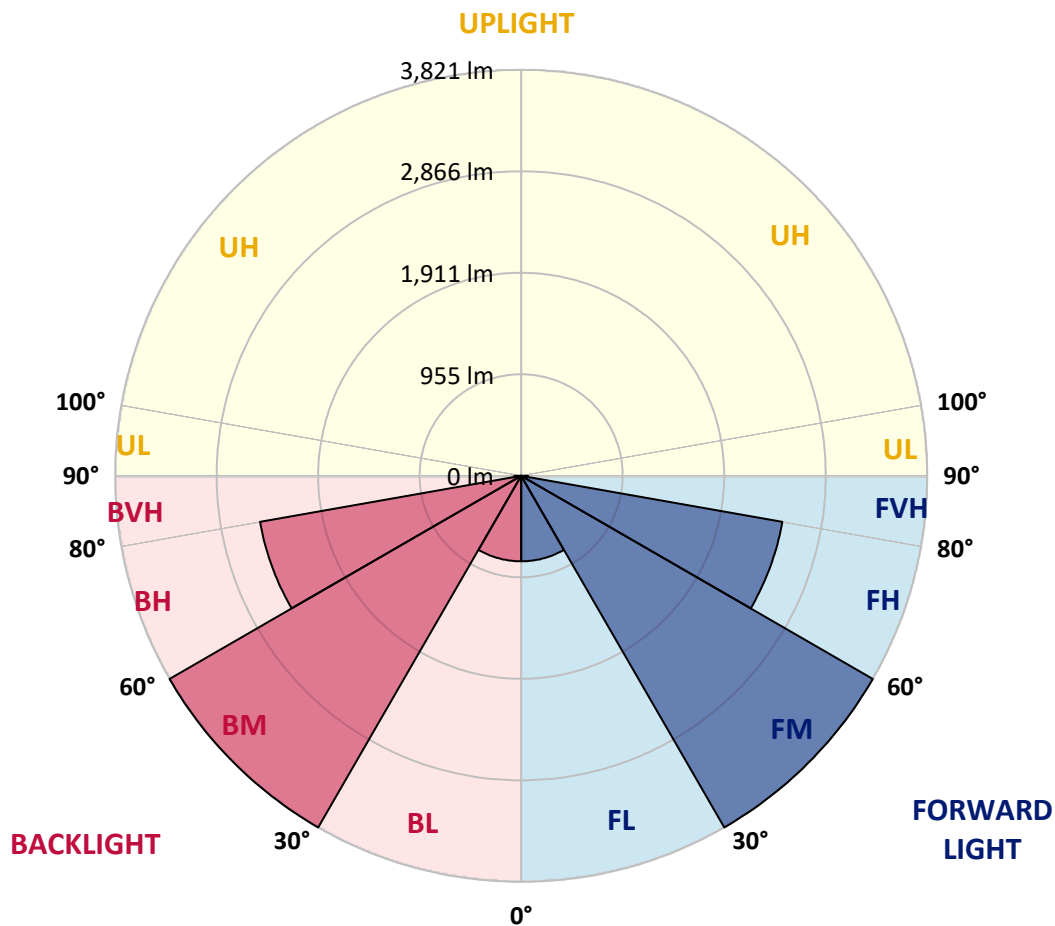
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	804.7	5.6			
FM	(30°-60°)	3821.3	26.6			
FH	(60°-80°)	2495.3	17.4			G2/5000
FVH	(80°-90°)	64.8	0.5			G1/100
BL	(0°-30°)	804.7	5.6	B2/1000		
BM	(30°-60°)	3821.3	26.6	B3/5000		
BH	(60°-80°)	2495.3	17.4	B3/2500		G3/2500
BVH	(80°-90°)	64.8	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5
2.5°	1539.5	1538.0	1539.5	1541.0	1540.2	1540.2	1543.9	1546.1	1550.5	1549.8	1549.0
5°	1529.2	1528.5	1534.4	1541.0	1546.1	1554.9	1565.9	1574.0	1584.3	1586.5	1586.5
7.5°	1524.1	1521.9	1532.2	1543.9	1560.0	1582.1	1603.3	1625.4	1643.0	1648.8	1650.3
10°	1527.8	1528.5	1542.4	1564.4	1590.1	1620.9	1651.0	1688.5	1713.4	1719.3	1725.1
12.5°	1544.6	1543.2	1566.6	1601.9	1637.1	1676.0	1711.2	1752.3	1779.4	1793.4	1799.3
15°	1575.5	1572.5	1605.5	1657.6	1709.0	1754.5	1783.1	1822.0	1853.6	1871.2	1877.8
17.5°	1612.1	1613.6	1656.9	1724.4	1791.9	1843.3	1870.4	1890.3	1914.5	1929.9	1937.2
20°	1676.7	1679.7	1728.1	1808.1	1885.1	1943.8	1965.8	1958.5	1965.1	1976.8	1985.6
22.5°	1763.3	1764.8	1819.1	1905.7	1986.4	2051.0	2065.6	2035.5	2017.2	2025.3	2031.1
25°	1863.8	1873.4	1927.7	2016.5	2099.4	2161.0	2167.6	2122.1	2076.6	2078.8	2082.5
27.5°	1986.4	1995.2	2050.2	2138.3	2222.7	2276.2	2275.5	2214.6	2147.8	2130.9	2136.1
30°	2119.2	2128.7	2185.2	2276.2	2354.7	2401.7	2391.4	2318.8	2223.4	2191.8	2195.5
32.5°	2277.0	2282.8	2340.1	2431.1	2503.7	2541.1	2519.8	2430.3	2311.4	2275.5	2284.3
35°	2467.7	2476.6	2519.1	2605.0	2668.8	2699.6	2663.7	2558.0	2424.5	2384.1	2390.0
37.5°	2685.7	2679.8	2728.2	2804.6	2857.4	2876.5	2827.3	2701.8	2553.6	2505.9	2514.7
40°	2913.2	2910.2	2963.1	3036.4	3065.1	3076.8	3004.2	2866.9	2702.6	2651.2	2668.1
42.5°	3119.4	3117.2	3188.3	3269.8	3304.3	3291.1	3199.3	3042.3	2875.0	2816.3	2831.0
45°	3284.5	3281.5	3368.8	3483.3	3550.8	3528.8	3405.5	3236.0	3049.6	2988.7	3002.7
47.5°	3411.4	3412.9	3506.8	3648.4	3766.6	3774.6	3616.1	3433.4	3241.9	3172.9	3193.5
50°	3503.1	3507.5	3608.1	3765.1	3926.5	3997.7	3831.1	3635.9	3440.8	3363.0	3386.5
52.5°	3525.9	3533.9	3655.0	3839.2	4029.3	4165.0	4049.8	3830.4	3629.3	3555.2	3574.3
55°	3404.8	3420.9	3574.3	3833.3	4092.4	4275.1	4242.1	4027.8	3819.4	3743.1	3764.4
57.5°	3126.7	3149.4	3328.5	3666.8	4078.4	4350.7	4391.0	4217.1	4009.4	3936.1	3952.9
60°	2737.0	2764.2	2935.9	3305.0	3881.8	4378.5	4496.0	4401.3	4184.1	4112.9	4128.3
62.5°	2149.3	2184.5	2390.0	2822.9	3466.4	4248.7	4585.5	4567.9	4341.1	4252.3	4262.6
65°	1378.8	1416.2	1632.7	2144.1	2912.4	3850.9	4613.4	4730.0	4507.0	4382.9	4398.4
67.5°	831.4	848.3	955.4	1299.5	2128.7	3251.4	4377.1	4909.8	4700.7	4546.6	4558.3
70°	532.0	541.5	605.4	763.1	1203.4	2372.4	3791.5	4943.6	4935.5	4714.6	4713.2
72.5°	361.0	364.0	380.8	452.0	681.0	1348.0	2796.5	4475.4	5082.3	4931.1	4907.6
75°	264.2	280.3	307.5	319.9	386.7	673.6	1602.6	3144.3	4283.2	4349.2	4189.2
77.5°	196.7	197.4	234.8	249.5	275.9	358.8	678.0	1755.2	2659.3	2792.1	2490.5
80°	166.6	157.8	157.0	201.1	207.7	223.8	303.1	606.1	952.5	577.5	436.6
82.5°	138.7	129.1	116.7	157.0	141.6	137.2	131.3	246.6	303.1	149.0	126.9
85°	96.9	92.5	88.1	102.7	80.7	69.0	63.1	115.2	127.7	63.1	55.8
87.5°	41.8	43.3	44.0	45.5	33.8	24.2	24.2	32.3	32.3	24.9	18.3
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)