

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: P948043

Luminaire Tested: **GALN-SB3B-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948043
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
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-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14616 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

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



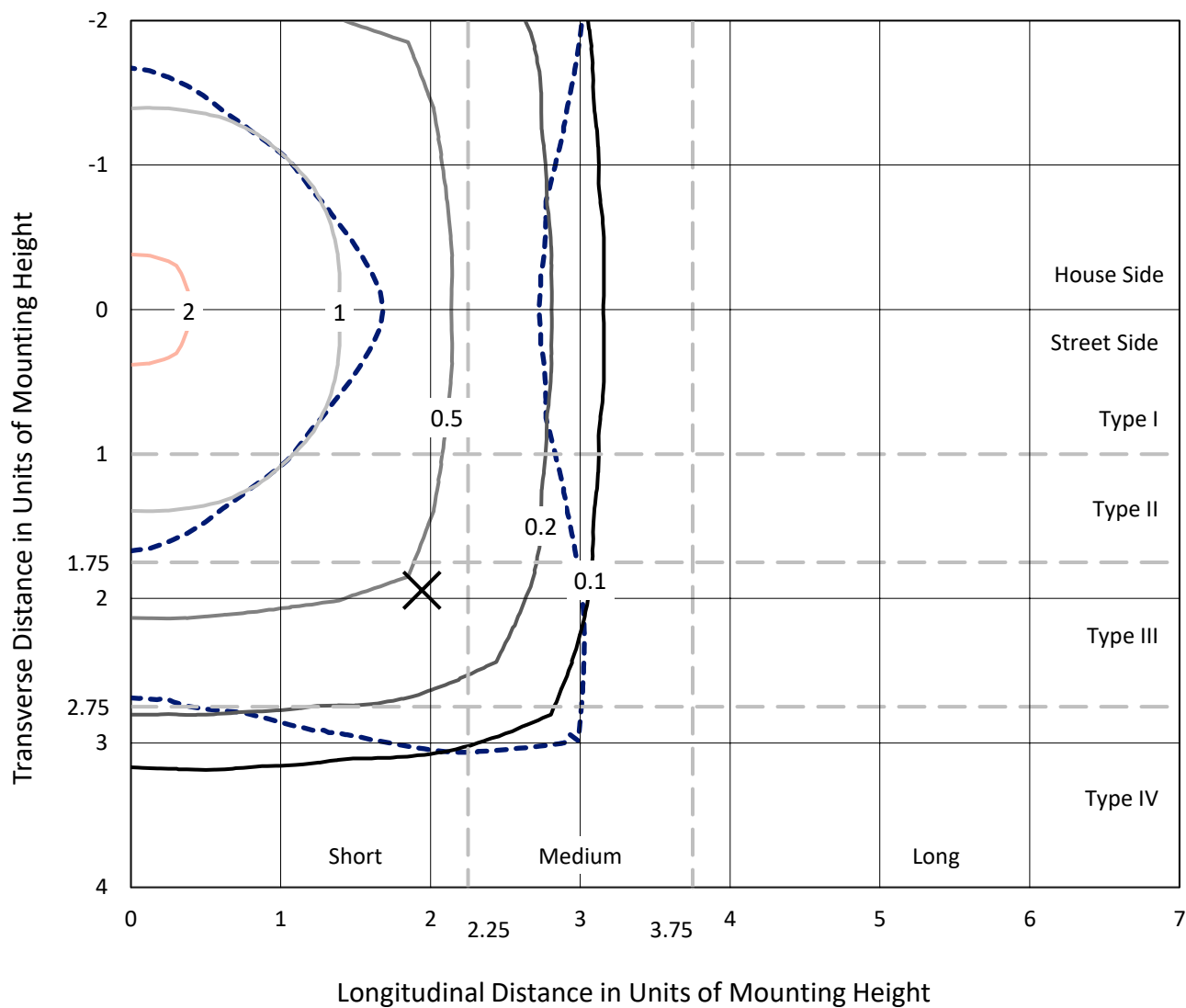
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

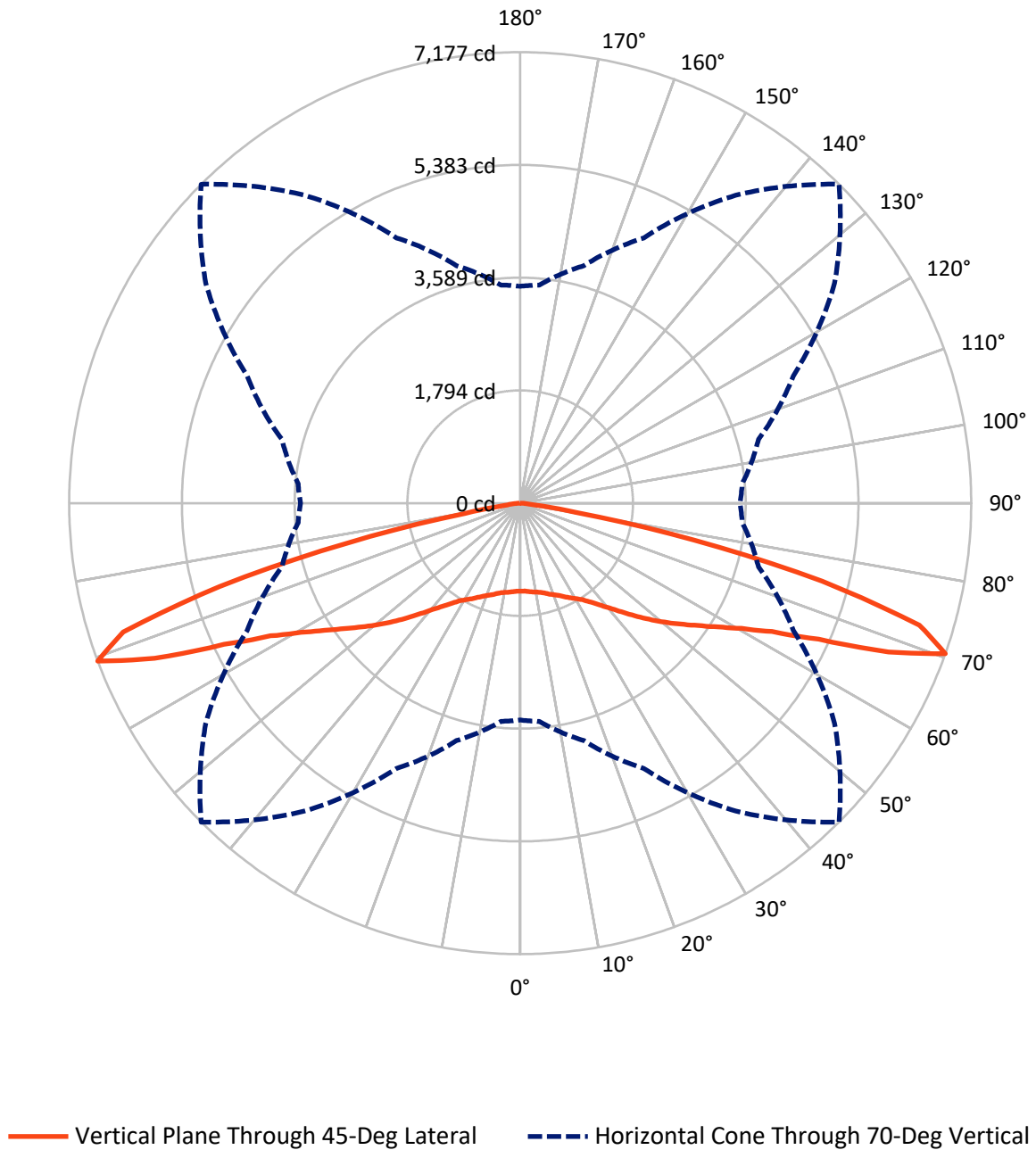


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7308.0	0.0	7308.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7308.0	0.0	7308.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14616.0	0.0	14616.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.0	0.9
10°-20°	421.8	2.9
20°-30°	753.8	5.2
30°-40°	1221.8	8.4
40°-50°	1990.2	13.6
50°-60°	3034.3	20.8
60°-70°	4514.1	30.9
70°-80°	2460.3	16.8
80°-90°	83.8	0.6
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°	14616.0	100.0
0°-180°	14616.0	100.0

Coefficient of Utilization



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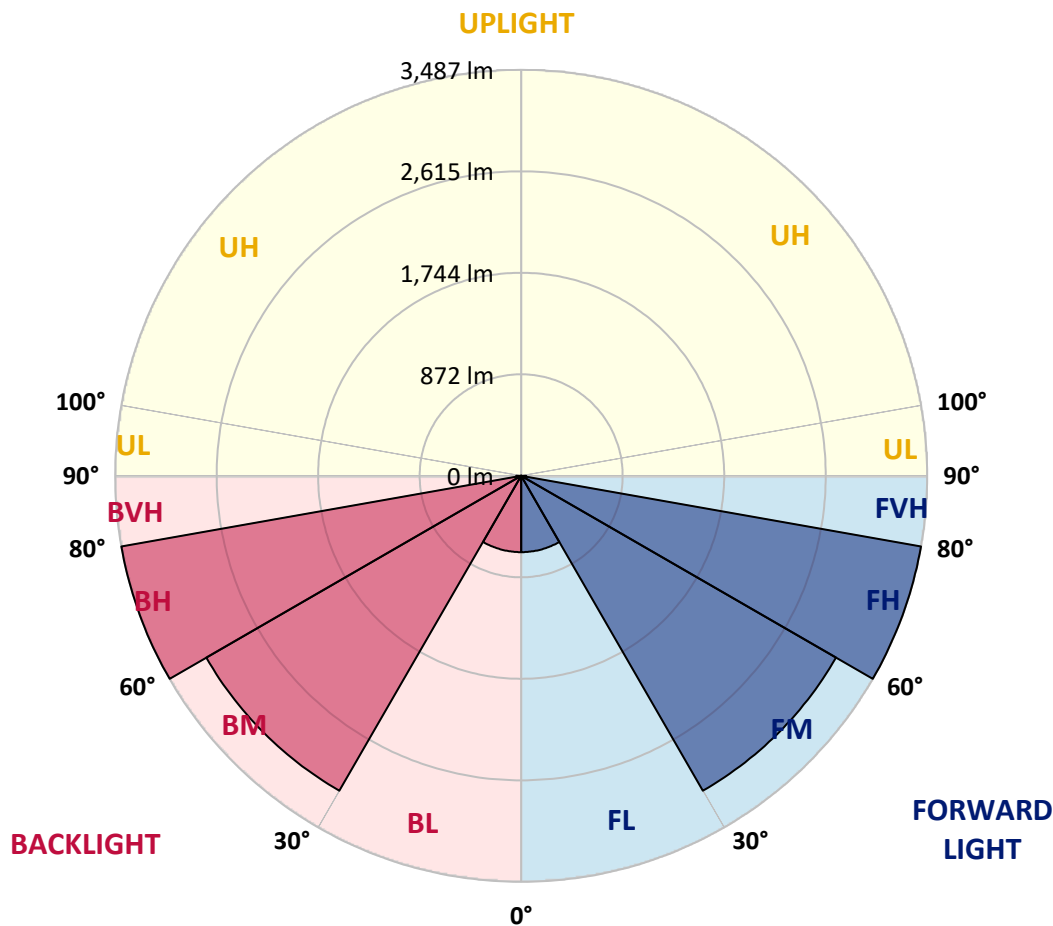
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	655.8	4.5			
FM	(30°-60°)	3123.1	21.4			
FH	(60°-80°)	3487.2	23.9			G2/5000
FVH	(80°-90°)	41.9	0.3			G1/100
BL	(0°-30°)	655.8	4.5	B2/1000		
BM	(30°-60°)	3123.1	21.4	B3/5000		
BH	(60°-80°)	3487.2	23.9	B4/5000		G2/5000
BVH	(80°-90°)	41.9	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1400.1	1400.1	1400.1	1400.1	1400.1	1400.1	1400.1	1400.1	1400.1	1400.1	1400.1
2.5°	1406.7	1408.1	1405.2	1403.7	1402.3	1400.1	1400.8	1404.5	1407.4	1406.7	1407.4
5°	1418.4	1419.9	1417.7	1416.9	1414.0	1413.3	1413.3	1416.9	1419.1	1417.7	1418.4
7.5°	1431.6	1433.8	1430.1	1429.4	1427.9	1426.5	1425.7	1429.4	1431.6	1431.6	1431.6
10°	1444.1	1446.3	1443.4	1441.2	1439.7	1439.7	1438.2	1441.2	1444.8	1444.1	1444.1
12.5°	1457.3	1458.8	1455.8	1454.4	1454.4	1456.6	1454.4	1455.8	1458.8	1457.3	1456.6
15°	1473.4	1474.2	1473.4	1475.6	1479.3	1486.6	1480.0	1478.6	1480.0	1476.4	1476.4
17.5°	1495.5	1496.9	1499.9	1505.0	1510.1	1523.3	1511.6	1507.9	1507.9	1500.6	1500.6
20°	1522.6	1524.8	1529.2	1538.0	1544.6	1557.1	1545.4	1540.2	1538.0	1528.5	1528.5
22.5°	1551.2	1554.9	1561.5	1573.2	1585.0	1596.7	1585.0	1576.2	1569.6	1557.1	1556.4
25°	1584.2	1588.6	1598.9	1618.0	1634.1	1651.0	1637.1	1619.5	1606.3	1588.6	1587.9
27.5°	1631.2	1636.3	1648.8	1672.3	1692.8	1707.5	1694.3	1671.6	1653.2	1631.9	1631.2
30°	1697.2	1702.4	1717.1	1742.0	1755.9	1765.5	1756.7	1739.1	1717.1	1692.8	1692.8
32.5°	1782.4	1789.0	1805.1	1828.6	1831.5	1833.0	1830.1	1821.3	1805.1	1775.8	1776.5
35°	1890.2	1897.6	1915.9	1935.0	1932.1	1935.0	1930.6	1927.7	1915.9	1882.2	1882.2
37.5°	2022.3	2031.1	2050.2	2064.9	2057.5	2053.9	2054.6	2055.3	2048.7	2011.3	2011.3
40°	2175.7	2187.4	2201.4	2216.8	2204.3	2193.3	2200.6	2206.5	2200.6	2162.5	2162.5
42.5°	2333.4	2350.3	2365.0	2387.0	2376.7	2362.8	2373.1	2379.7	2367.2	2326.1	2329.0
45°	2508.8	2525.0	2544.0	2577.1	2569.7	2555.0	2569.7	2571.2	2549.9	2501.5	2506.6
47.5°	2690.1	2706.9	2735.5	2779.6	2776.6	2760.5	2779.6	2769.3	2742.2	2684.2	2680.5
50°	2861.8	2885.2	2929.3	2990.9	2996.8	2977.0	3002.6	2982.8	2937.3	2864.7	2863.2
52.5°	3023.2	3048.1	3117.9	3201.5	3222.8	3197.1	3231.6	3197.1	3128.9	3035.7	3026.9
55°	3192.7	3220.6	3303.5	3412.8	3455.4	3436.3	3468.6	3416.5	3319.6	3206.6	3191.2
57.5°	3392.3	3409.2	3508.2	3638.1	3710.0	3714.4	3729.1	3641.0	3523.6	3395.2	3377.6
60°	3608.8	3632.2	3740.1	3895.7	4009.4	4046.1	4030.7	3900.1	3763.6	3616.1	3592.6
62.5°	3886.1	3911.8	4041.0	4227.3	4407.1	4498.1	4437.9	4248.6	4079.8	3903.0	3872.2
65°	4115.8	4144.4	4377.8	4710.2	5037.4	5220.1	5069.0	4720.4	4416.7	4167.2	4126.1
67.5°	3949.2	3984.5	4350.6	4961.1	5774.9	6320.1	5802.8	5036.0	4440.9	4102.6	4052.0
70°	3451.7	3484.7	3911.8	4658.1	5982.5	7177.1	6107.3	4795.3	3925.7	3547.1	3496.5
72.5°	2291.6	2398.0	2830.2	3725.4	5342.0	6641.5	5394.8	3649.8	2625.5	2286.5	2212.4
75°	760.2	845.3	1140.3	1931.3	3577.9	4967.0	3406.2	1709.0	903.3	650.1	614.9
77.5°	191.5	220.9	304.5	552.5	1427.2	2828.0	1284.9	451.3	245.8	171.7	153.4
80°	93.2	102.7	146.8	184.2	357.4	898.9	335.3	173.2	115.9	89.5	82.2
82.5°	51.4	52.1	82.9	104.2	132.8	232.6	138.0	101.3	66.8	54.3	54.3
85°	31.6	30.8	44.0	55.8	55.8	82.9	66.0	55.8	38.2	33.8	35.2
87.5°	12.5	12.5	16.1	17.6	15.4	21.3	16.9	18.3	14.7	13.9	14.7
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)