

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: P947687

Luminaire Tested: **GALN-SB3A-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947687
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11651 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 84.7
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

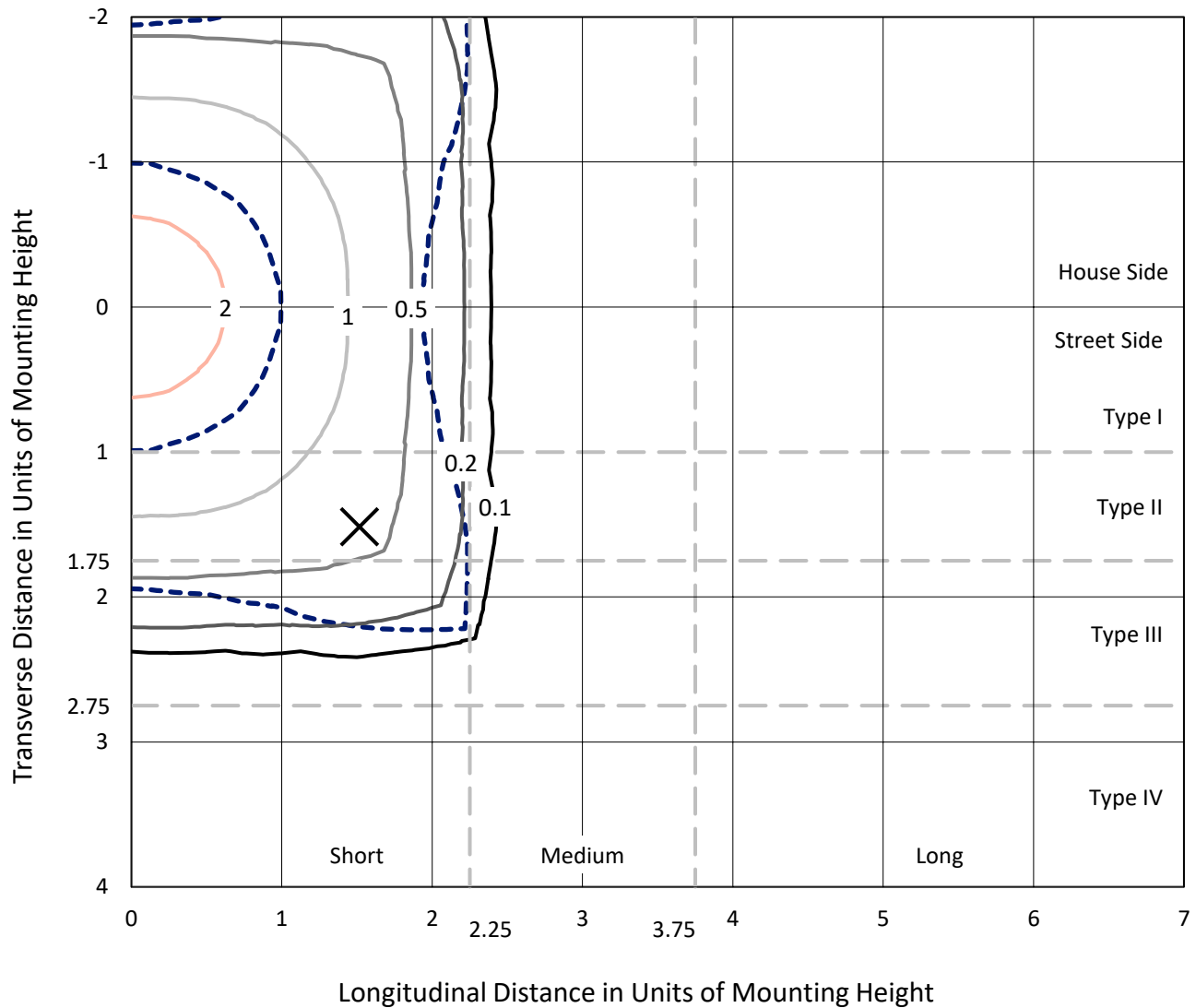


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

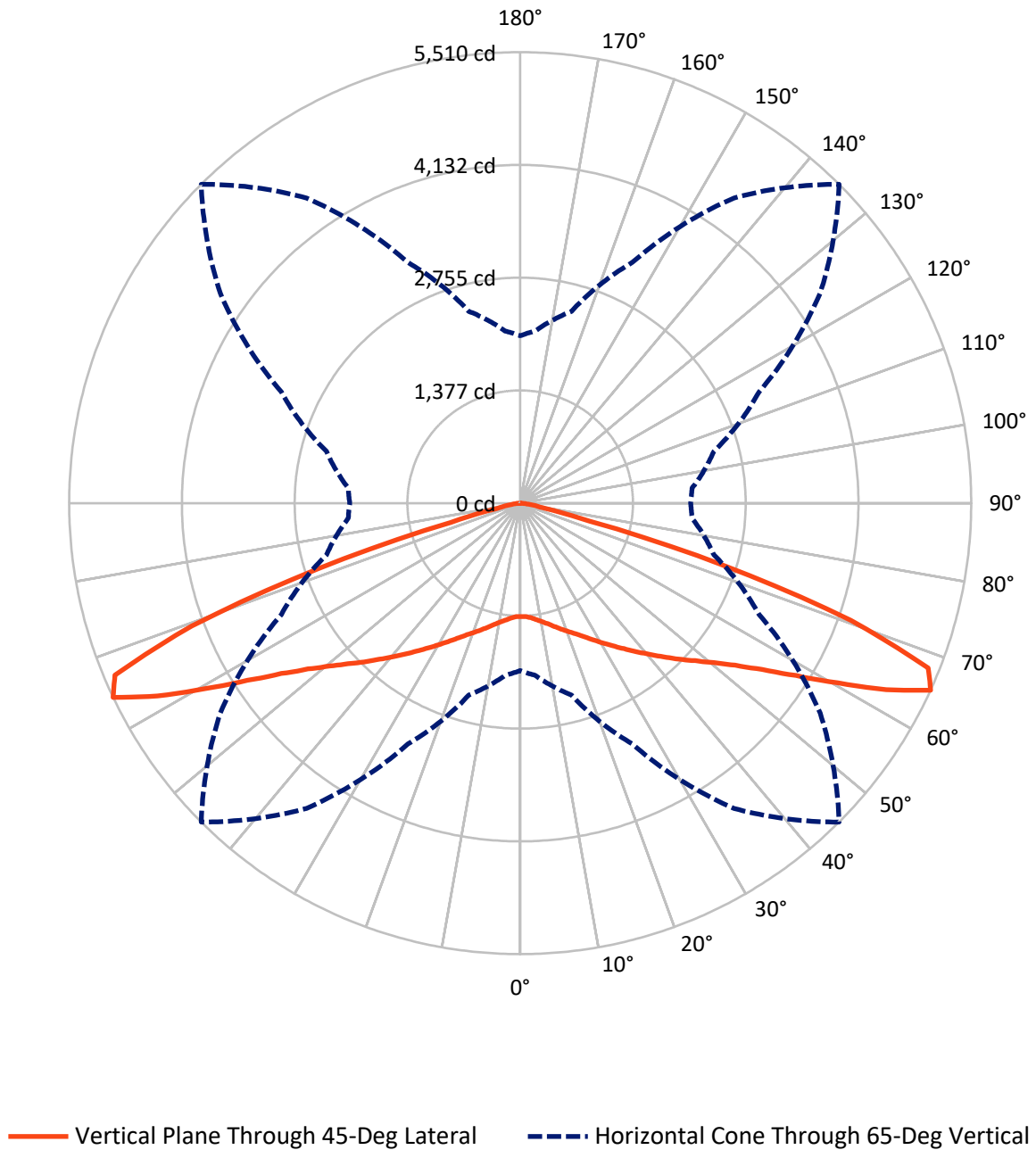


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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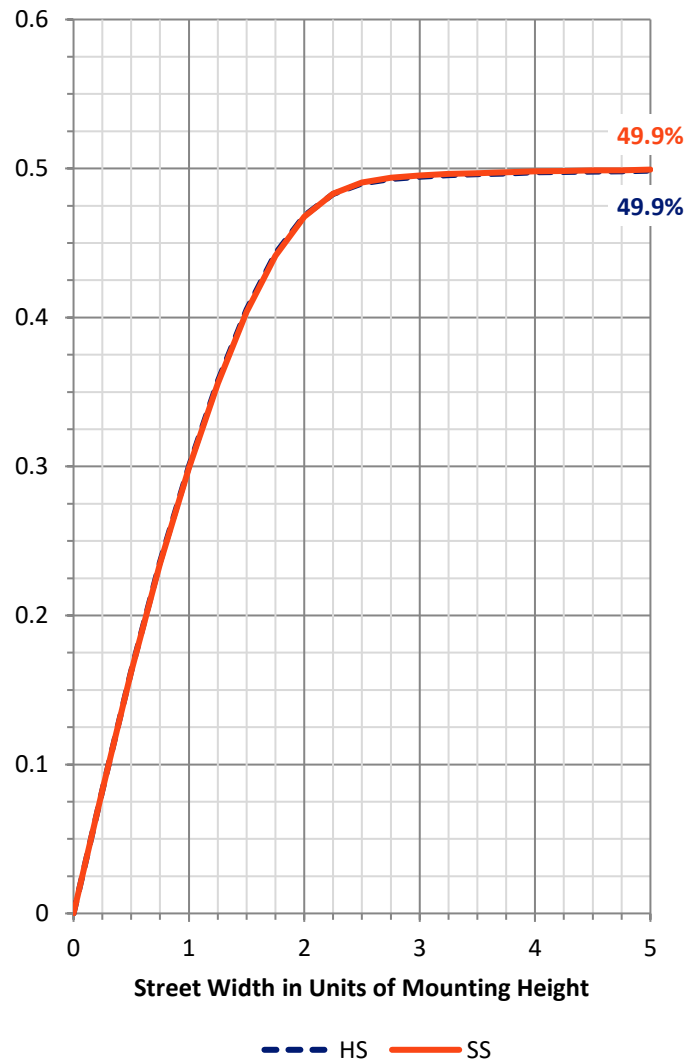
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5825.5	0.0	5825.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5825.5	0.0	5825.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11651.0	0.0	11651.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.8	1.2
10°-20°	446.5	3.8
20°-30°	843.1	7.2
30°-40°	1380.5	11.8
40°-50°	2140.5	18.4
50°-60°	3162.0	27.1
60°-70°	3010.0	25.8
70°-80°	485.7	4.2
80°-90°	45.8	0.4
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°	11651.0	100.0
0°-180°	11651.0	100.0

Coefficient of Utilization



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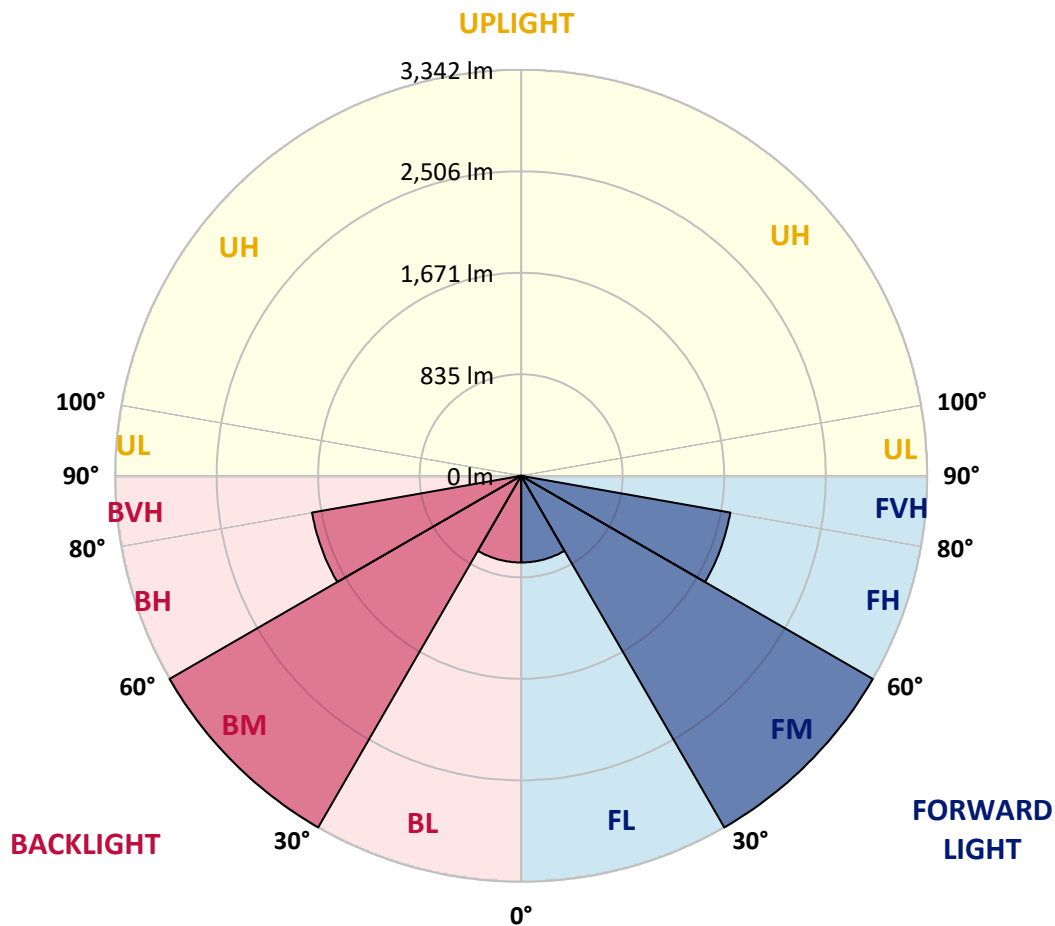
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	713.2	6.1			
FM	(30°-60°)	3341.5	28.7			
FH	(60°-80°)	1747.8	15.0			G1/1800
FVH	(80°-90°)	22.9	0.2			G1/100
BL	(0°-30°)	713.2	6.1	B2/1000		
BM	(30°-60°)	3341.5	28.7	B3/5000		
BH	(60°-80°)	1747.8	15.0	B3/2500		G1/1800
BVH	(80°-90°)	22.9	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1386.6	1386.6	1386.6	1386.6	1386.6	1386.6	1386.6	1386.6	1386.6	1386.6	1386.6
2.5°	1395.9	1391.3	1394.8	1391.8	1389.5	1387.2	1388.3	1392.4	1394.2	1394.8	1394.8
5°	1414.6	1410.6	1412.3	1412.3	1408.2	1407.0	1407.6	1410.6	1414.1	1414.1	1414.1
7.5°	1445.0	1440.9	1445.0	1442.7	1439.2	1438.0	1437.4	1439.8	1445.0	1445.0	1443.3
10°	1481.9	1477.2	1479.5	1478.4	1474.3	1472.5	1471.9	1475.4	1480.1	1479.5	1478.4
12.5°	1522.2	1516.9	1519.9	1516.4	1515.2	1513.4	1513.4	1512.9	1515.8	1513.4	1514.6
15°	1567.2	1563.7	1564.9	1562.5	1564.3	1563.1	1558.4	1556.1	1557.3	1553.8	1554.4
17.5°	1620.4	1612.2	1616.3	1615.2	1615.2	1617.5	1609.9	1607.0	1609.3	1605.8	1608.7
20°	1681.8	1673.6	1675.4	1673.0	1670.1	1672.4	1663.1	1665.4	1667.2	1664.8	1670.1
22.5°	1749.0	1738.5	1737.9	1739.1	1732.6	1733.2	1726.8	1732.6	1736.2	1729.7	1736.2
25°	1818.0	1806.9	1814.5	1811.6	1803.4	1805.1	1800.5	1806.3	1809.2	1801.0	1810.4
27.5°	1891.1	1883.5	1890.5	1892.2	1882.3	1889.3	1882.3	1887.6	1890.5	1878.2	1887.6
30°	1976.4	1968.8	1975.2	1979.9	1968.2	1979.3	1973.5	1977.0	1977.6	1963.0	1971.7
32.5°	2069.4	2057.7	2074.0	2076.4	2063.5	2077.0	2069.4	2074.0	2077.0	2057.1	2070.5
35°	2182.8	2168.1	2186.9	2183.9	2172.8	2183.9	2176.9	2183.9	2190.9	2167.0	2181.6
37.5°	2304.9	2289.7	2309.6	2304.4	2293.8	2301.4	2297.3	2302.0	2313.1	2287.4	2303.2
40°	2439.4	2420.7	2447.6	2438.2	2428.3	2427.1	2429.4	2432.4	2447.0	2418.3	2427.7
42.5°	2583.2	2563.3	2603.6	2589.0	2575.0	2565.7	2573.3	2579.1	2593.1	2561.0	2577.9
45°	2747.5	2724.7	2777.3	2759.7	2737.5	2718.2	2730.5	2739.3	2759.7	2721.1	2741.0
47.5°	2928.7	2902.9	2959.1	2953.8	2917.6	2875.5	2903.5	2928.7	2943.9	2897.1	2912.9
50°	3105.8	3085.9	3159.6	3166.0	3121.6	3062.5	3101.7	3139.7	3143.8	3082.4	3090.0
52.5°	3271.8	3251.9	3358.9	3399.2	3359.5	3289.3	3330.8	3369.4	3338.4	3258.9	3261.3
55°	3404.5	3388.1	3524.3	3628.4	3641.8	3584.0	3608.5	3607.3	3505.6	3383.5	3387.5
57.5°	3436.7	3434.3	3606.2	3826.6	3966.9	3973.9	3925.3	3801.4	3582.2	3417.9	3407.4
60°	3290.5	3305.1	3541.3	3930.0	4304.1	4459.6	4249.8	3896.1	3495.1	3267.1	3240.2
62.5°	2853.3	2891.8	3176.5	3803.8	4576.6	5018.5	4509.9	3752.3	3137.4	2839.8	2822.3
65°	2044.8	2112.0	2426.5	3246.1	4552.0	5509.5	4472.5	3219.8	2449.9	2106.8	2081.6
67.5°	927.7	996.1	1263.2	2222.5	3956.9	5376.2	3947.6	2245.9	1326.4	999.6	985.0
70°	336.1	347.8	433.7	889.7	2528.8	4283.7	2637.0	896.1	461.2	370.6	365.9
72.5°	203.4	205.2	223.3	318.6	878.6	2600.7	916.0	329.1	228.0	202.3	205.8
75°	129.2	128.0	159.0	194.7	311.6	877.4	326.8	194.7	158.4	144.4	145.6
77.5°	92.9	95.9	114.0	145.6	196.4	297.5	192.9	139.1	114.0	93.5	95.3
80°	69.6	71.3	83.0	113.4	138.0	185.3	122.8	102.9	85.9	58.5	60.2
82.5°	50.3	50.3	54.4	82.4	84.2	100.0	66.6	72.5	56.7	41.5	41.5
85°	29.8	29.2	33.9	49.1	43.8	36.8	30.4	44.4	35.7	25.7	25.1
87.5°	10.5	11.1	10.5	14.0	11.7	9.9	9.4	12.3	9.9	8.8	8.2
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)