

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: P938880

Luminaire Tested: **GALN-SB1B-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938880
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-SB1B-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4707 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 39.8
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

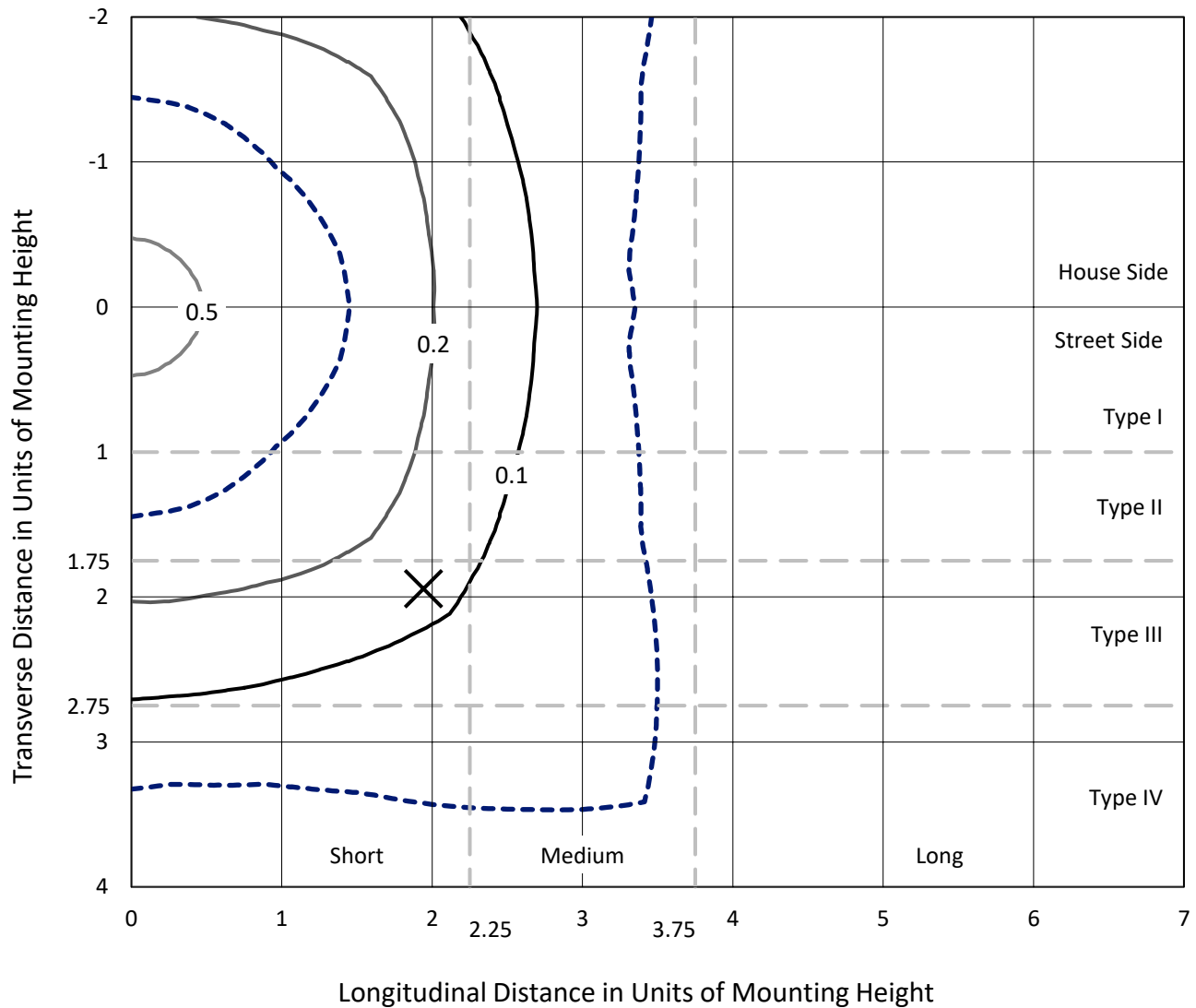


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Iso-Footcandle Lines of Horizontal Illumination

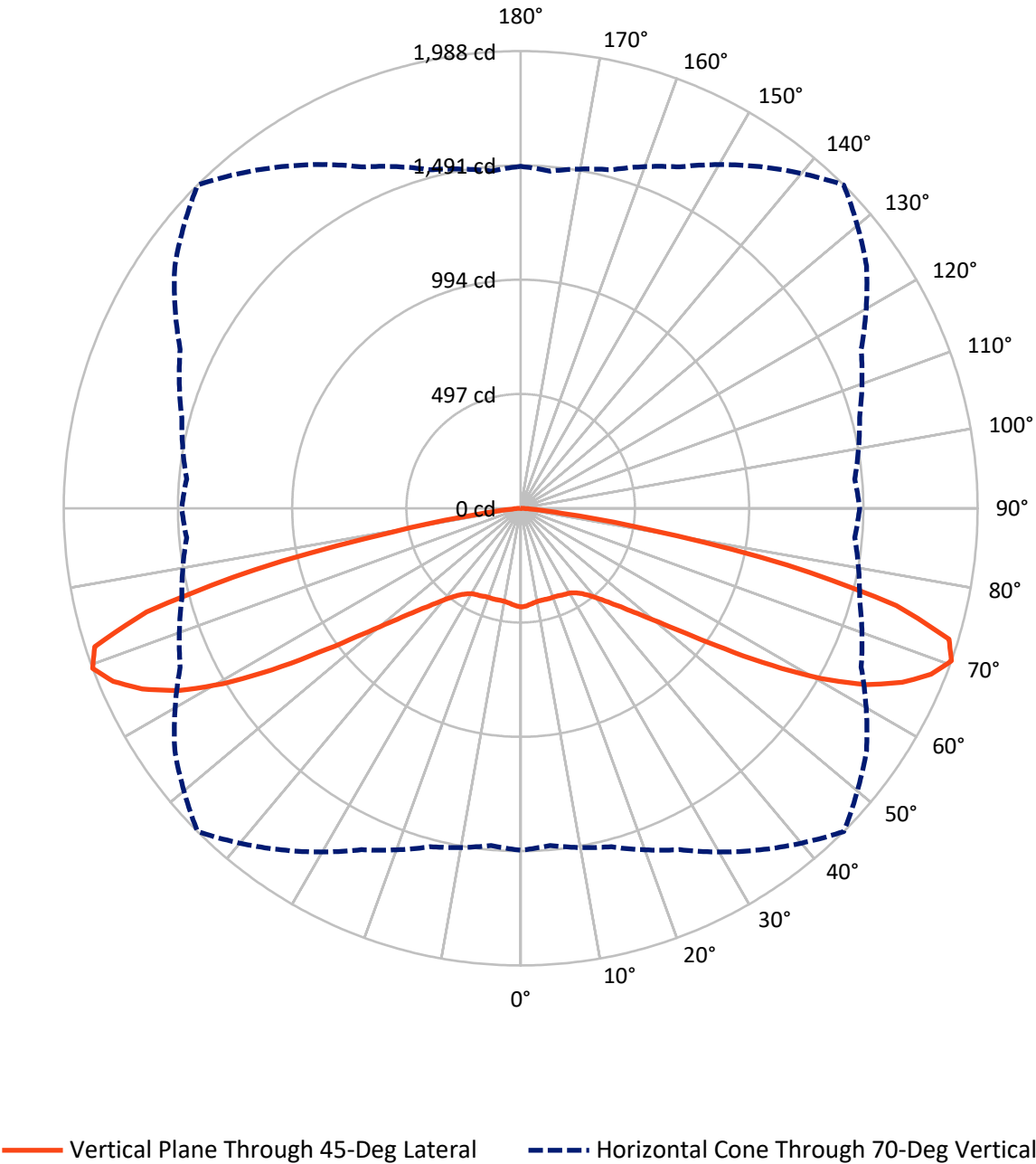
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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	2353.5	0.0	2353.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2353.5	0.0	2353.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4707.0	0.0	4707.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.9	0.8
10°-20°	117.3	2.5
20°-30°	195.2	4.1
30°-40°	295.2	6.3
40°-50°	490.5	10.4
50°-60°	925.5	19.7
60°-70°	1562.8	33.2
70°-80°	1026.9	21.8
80°-90°	53.8	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°	4707.0	100.0
0°-180°	4707.0	100.0

Coefficient of Utilization



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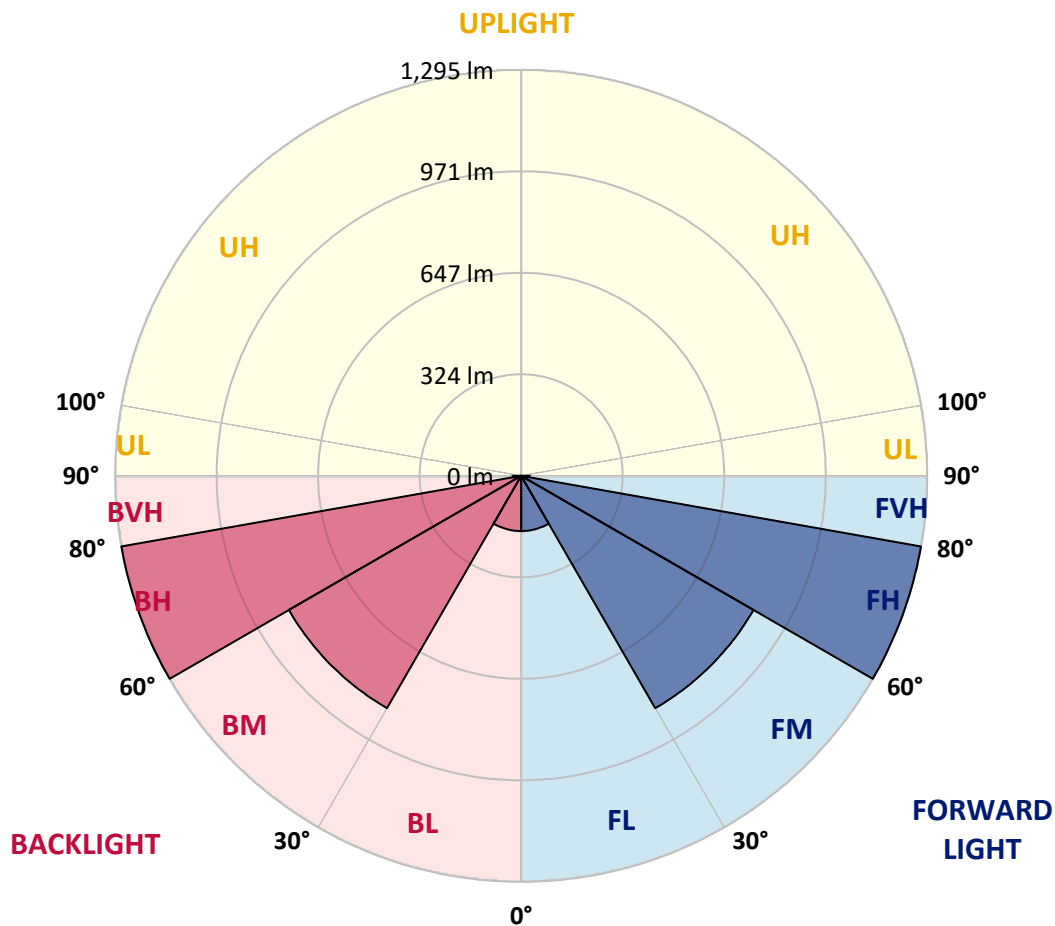
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	176.2	3.7			
FM	(30°-60°)	855.6	18.2			
FH	(60°-80°)	1294.8	27.5			G1/1800
FVH	(80°-90°)	26.9	0.6			G1/100
BL	(0°-30°)	176.2	3.7	B1/500		
BM	(30°-60°)	855.6	18.2	B1/1000		
BH	(60°-80°)	1294.8	27.5	B3/2500		G1/1800
BVH	(80°-90°)	26.9	0.6			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°	429.4	429.4	429.4	429.4	429.4	429.4	429.4	429.4	429.4	429.4	429.4
2.5°	426.7	427.9	427.4	426.4	426.4	425.7	426.4	426.9	427.7	428.1	427.9
5°	421.1	422.0	421.8	421.1	421.3	420.6	421.1	421.8	422.3	422.5	422.5
7.5°	416.2	417.1	416.7	415.4	415.4	414.7	414.9	415.7	416.4	416.7	416.7
10°	414.9	415.9	414.4	412.5	411.8	410.8	411.0	411.8	413.2	414.0	414.0
12.5°	415.4	416.2	414.7	411.8	411.0	410.0	410.0	410.8	412.7	413.7	414.0
15°	416.9	417.6	415.4	412.2	411.5	410.8	410.5	411.5	413.7	415.4	415.7
17.5°	419.6	420.3	416.9	412.5	411.5	411.8	411.5	412.2	415.7	418.9	418.9
20°	422.0	422.5	417.9	412.5	411.5	411.8	411.5	413.0	417.4	421.8	422.0
22.5°	422.8	423.3	418.9	414.2	413.5	413.7	413.5	414.9	419.1	423.5	423.5
25°	423.0	423.7	420.3	416.7	417.9	418.4	417.9	418.1	421.3	425.2	425.0
27.5°	426.7	427.7	424.5	421.3	422.0	421.8	422.5	423.3	425.7	429.6	428.6
30°	434.3	435.0	432.3	429.1	428.6	426.9	429.1	431.6	434.3	437.7	437.0
32.5°	446.7	448.2	444.8	441.4	439.2	438.2	439.9	444.1	447.7	451.4	449.9
35°	467.5	468.5	465.3	459.0	455.1	455.1	456.5	461.9	467.8	472.4	470.7
37.5°	496.9	498.1	492.5	484.9	479.0	479.0	481.0	486.6	495.4	502.0	499.6
40°	532.6	534.3	527.2	519.4	513.8	512.8	515.2	521.6	529.9	538.2	535.6
42.5°	575.7	577.6	568.3	561.5	557.1	557.1	558.3	564.2	571.8	582.0	581.3
45°	630.7	634.2	621.4	614.6	610.4	611.4	612.1	617.3	624.1	635.9	635.4
47.5°	696.3	699.7	686.3	679.2	678.4	683.1	680.1	683.8	687.5	700.9	697.0
50°	770.7	776.5	767.2	766.8	768.2	776.8	769.9	771.9	767.7	776.3	771.2
52.5°	861.7	870.2	868.5	871.5	887.9	905.5	889.8	883.0	867.3	870.0	860.9
55°	972.0	985.0	987.4	1005.1	1042.2	1078.2	1044.9	1017.3	984.0	977.9	968.4
57.5°	1097.5	1107.8	1119.6	1155.5	1225.0	1288.9	1225.0	1163.8	1111.5	1099.0	1090.2
60°	1232.6	1245.3	1256.6	1309.6	1412.9	1502.7	1410.9	1313.8	1244.6	1227.7	1213.0
62.5°	1377.7	1394.1	1401.9	1460.8	1581.2	1688.4	1582.9	1465.3	1388.4	1370.3	1355.6
65°	1516.9	1530.3	1539.1	1602.0	1717.0	1824.4	1724.8	1608.9	1529.8	1506.1	1494.4
67.5°	1581.7	1589.0	1610.6	1681.8	1803.1	1925.7	1823.7	1689.4	1601.0	1559.4	1559.9
70°	1486.8	1471.9	1523.7	1637.7	1813.4	1987.8	1836.9	1634.3	1526.2	1458.6	1474.8
72.5°	1148.9	1123.2	1213.3	1408.2	1696.0	1948.2	1707.7	1419.3	1269.3	1132.3	1166.3
75°	625.1	596.0	720.3	966.9	1352.5	1688.6	1383.5	994.5	802.0	620.5	660.8
77.5°	176.4	165.4	265.7	467.8	813.5	1185.6	844.8	478.1	315.1	186.9	207.7
80°	54.1	52.4	71.0	140.9	345.5	567.8	332.0	142.6	90.3	57.0	60.2
82.5°	32.1	29.4	35.2	51.4	88.1	178.4	85.6	53.6	43.1	28.9	31.3
85°	18.3	17.1	20.8	25.0	29.6	37.9	24.7	25.4	23.0	15.4	16.1
87.5°	7.6	6.9	8.1	7.8	6.9	8.8	6.6	7.8	9.3	6.1	5.6
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)