

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: P939393

Luminaire Tested: **GALN-SB2A-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939393
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2A-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7331 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 57.3
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

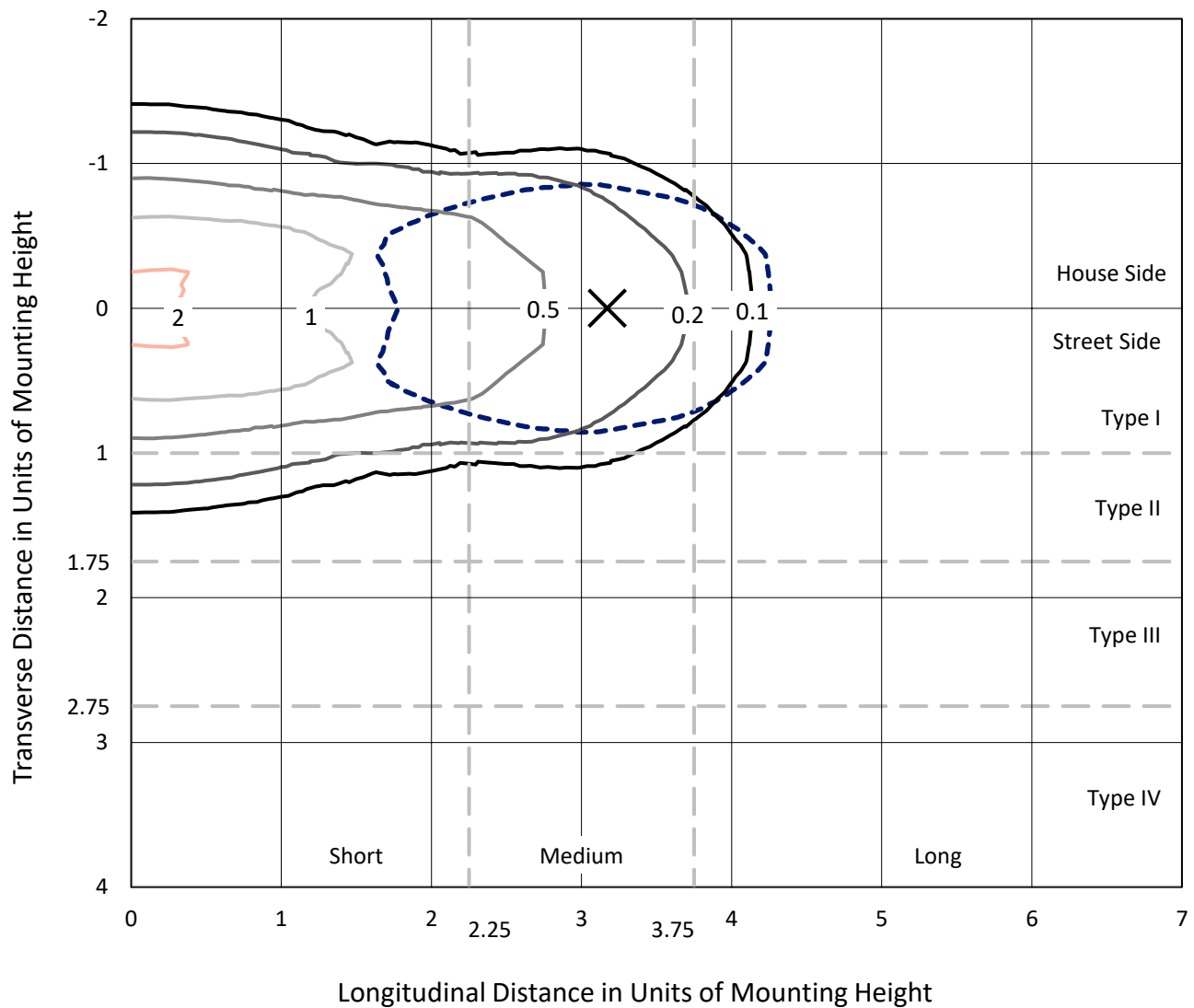


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

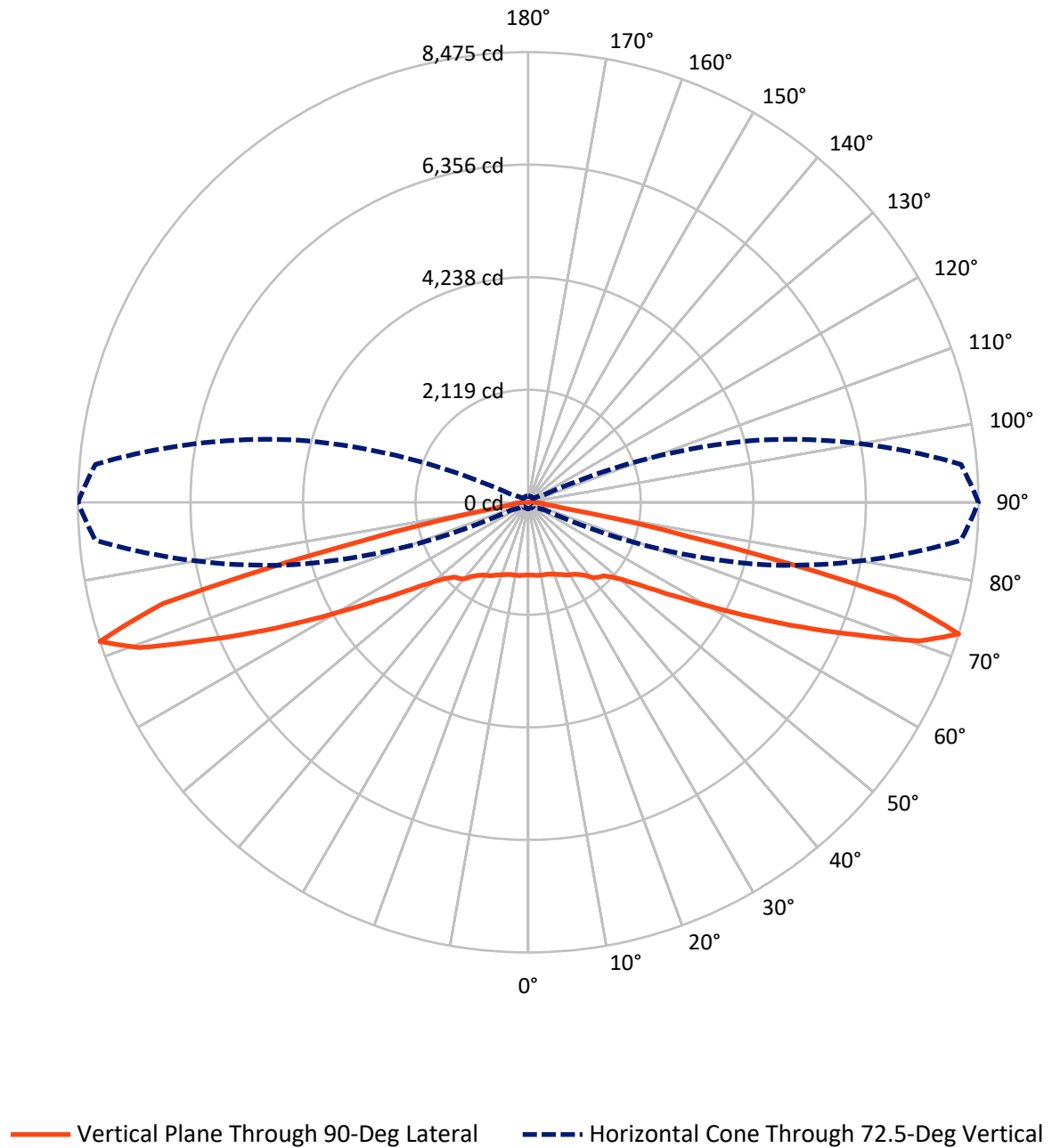


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3665.5	0.0	3665.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3665.5	0.0	3665.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7331.0	0.0	7331.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.8	1.8
10°-20°	406.1	5.5
20°-30°	677.2	9.2
30°-40°	931.3	12.7
40°-50°	1137.4	15.5
50°-60°	1315.5	17.9
60°-70°	1568.6	21.4
70°-80°	1094.8	14.9
80°-90°	67.2	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°	7331.0	100.0
0°-180°	7331.0	100.0

Coefficient of Utilization



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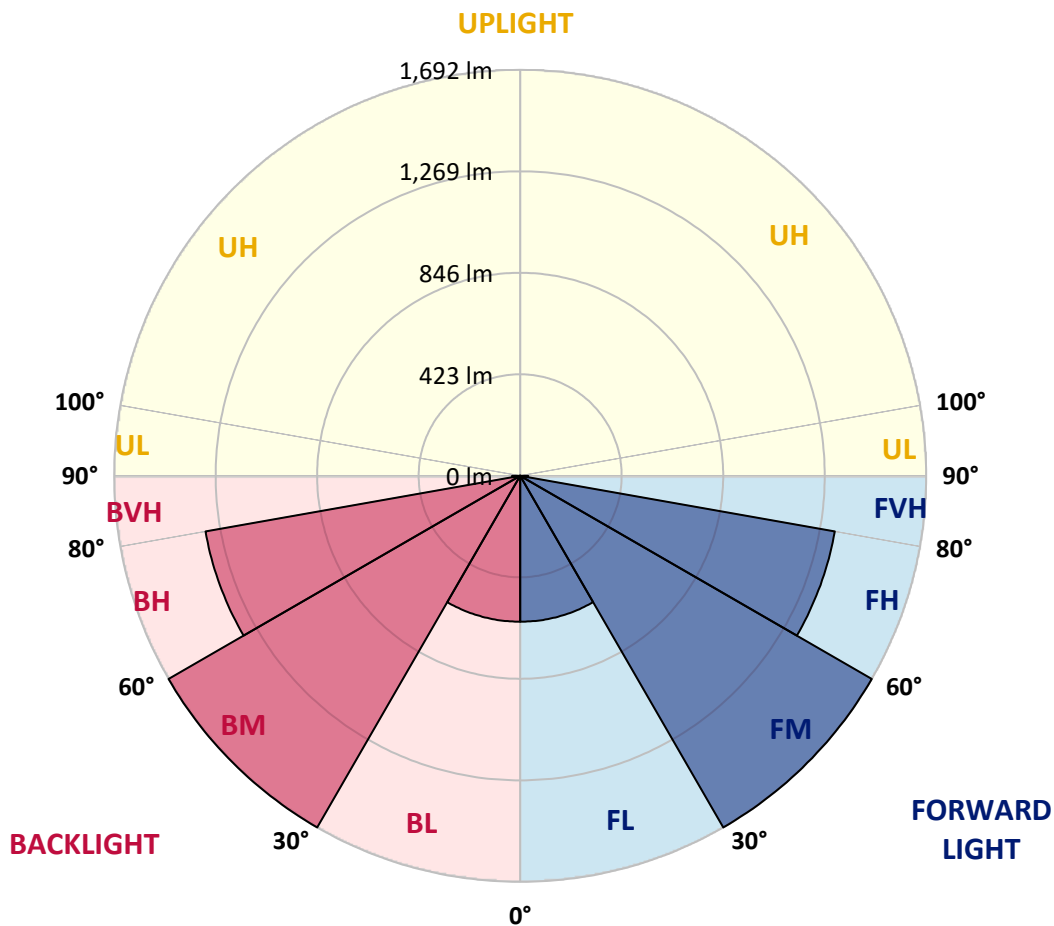
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	608.1	8.3			
FM	(30°-60°)	1692.1	23.1			
FH	(60°-80°)	1331.7	18.2			G1/1800
FVH	(80°-90°)	33.6	0.5			G1/100
BL	(0°-30°)	608.1	8.3	B2/1000		
BM	(30°-60°)	1692.1	23.1	B2/2500		
BH	(60°-80°)	1331.7	18.2	B3/2500		G3/2500
BVH	(80°-90°)	33.6	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1369.9	1369.9	1369.9	1369.9	1369.9	1369.9	1369.9	1369.9	1369.9	1369.9	1369.9
2.5°	1371.0	1372.6	1372.6	1371.4	1374.2	1371.8	1371.8	1370.7	1371.8	1370.7	1370.7
5°	1378.1	1380.0	1380.8	1380.4	1383.9	1382.0	1382.0	1380.4	1380.8	1379.6	1379.6
7.5°	1391.3	1394.0	1395.6	1397.5	1402.6	1400.3	1398.7	1394.0	1392.1	1389.0	1389.0
10°	1395.6	1398.7	1403.8	1413.9	1425.6	1426.0	1421.3	1409.6	1400.7	1393.6	1392.5
12.5°	1382.3	1386.6	1397.1	1417.8	1443.9	1454.4	1447.0	1427.5	1410.0	1397.5	1395.6
15°	1365.6	1370.3	1386.2	1417.4	1456.0	1480.5	1479.7	1454.0	1426.0	1406.5	1403.4
17.5°	1339.5	1344.2	1367.1	1410.8	1465.3	1505.8	1516.8	1490.3	1450.9	1424.8	1420.5
20°	1292.3	1296.6	1328.6	1389.7	1468.4	1532.7	1561.2	1537.8	1488.7	1453.3	1446.6
22.5°	1231.2	1237.8	1275.2	1353.5	1461.0	1560.8	1611.8	1595.8	1532.7	1483.6	1474.7
25°	1165.7	1172.7	1216.4	1309.1	1442.0	1581.0	1671.8	1661.7	1582.6	1521.4	1509.0
27.5°	1109.2	1116.6	1164.2	1265.1	1412.3	1588.8	1731.0	1736.1	1643.0	1563.1	1549.9
30°	1064.8	1071.8	1122.5	1229.6	1374.2	1581.0	1782.9	1817.9	1704.6	1599.4	1580.3
32.5°	1016.1	1025.1	1078.4	1186.4	1329.0	1562.3	1828.1	1906.4	1775.9	1638.3	1614.2
35°	954.5	962.7	1018.8	1127.1	1269.7	1532.3	1865.9	2004.6	1877.9	1697.5	1670.7
37.5°	879.7	887.5	943.2	1053.1	1210.9	1490.3	1894.7	2115.2	1999.5	1782.9	1747.0
40°	804.5	812.0	864.2	970.5	1140.4	1436.5	1904.8	2223.5	2139.0	1900.1	1862.0
42.5°	735.6	742.2	790.1	889.1	1061.3	1367.9	1891.6	2317.8	2264.0	1982.0	1932.9
45°	672.1	677.9	720.4	812.7	979.1	1284.5	1851.8	2419.1	2412.9	2040.4	1974.2
47.5°	599.6	605.5	649.5	738.7	896.9	1186.8	1784.4	2518.8	2619.7	2172.9	2096.5
50°	511.2	516.2	561.4	653.4	811.6	1082.7	1690.9	2597.2	2880.8	2373.5	2277.7
52.5°	406.4	411.8	455.8	547.8	710.3	970.9	1567.8	2648.2	3182.3	2666.5	2548.5
55°	302.3	306.2	344.4	427.0	584.8	843.5	1413.5	2662.6	3524.4	3067.0	2919.4
57.5°	219.4	221.7	246.2	307.8	443.4	684.2	1226.1	2625.2	3931.6	3580.5	3394.7
60°	177.7	178.4	185.8	213.1	308.2	504.2	999.7	2496.6	4373.4	4242.5	4008.3
62.5°	161.3	161.3	163.2	170.6	208.4	332.7	725.8	2230.1	4847.2	5079.0	4765.3
65°	150.0	150.0	150.8	154.3	164.4	211.9	458.2	1796.1	5246.5	6058.9	5662.2
67.5°	139.9	140.3	139.9	141.0	146.9	156.6	265.7	1240.5	5461.6	7074.2	6646.0
70°	129.4	130.1	128.2	128.2	132.9	133.2	166.4	680.3	5283.1	7925.1	7812.5
72.5°	116.9	118.1	114.9	114.2	117.7	116.1	125.1	326.5	4535.9	8179.1	8475.2
75°	106.0	107.5	100.5	98.6	98.6	97.4	101.7	167.5	2943.9	6672.1	7136.5
77.5°	96.2	99.4	88.1	81.8	80.3	76.8	83.0	102.5	1287.7	3132.5	3067.4
80°	79.5	83.8	72.5	65.1	62.3	58.4	65.5	71.7	383.0	727.4	696.6
82.5°	59.2	61.2	51.4	46.4	44.0	41.3	49.1	49.9	124.7	257.5	291.0
85°	37.8	38.6	31.6	27.3	26.1	24.9	31.2	27.3	47.5	189.4	275.1
87.5°	13.2	15.2	12.1	10.9	11.7	9.7	14.4	8.2	13.2	133.6	165.6
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)