

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: P939223

Luminaire Tested: **GALN-SB1D-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939223
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-SB1D-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8319 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 79.6
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



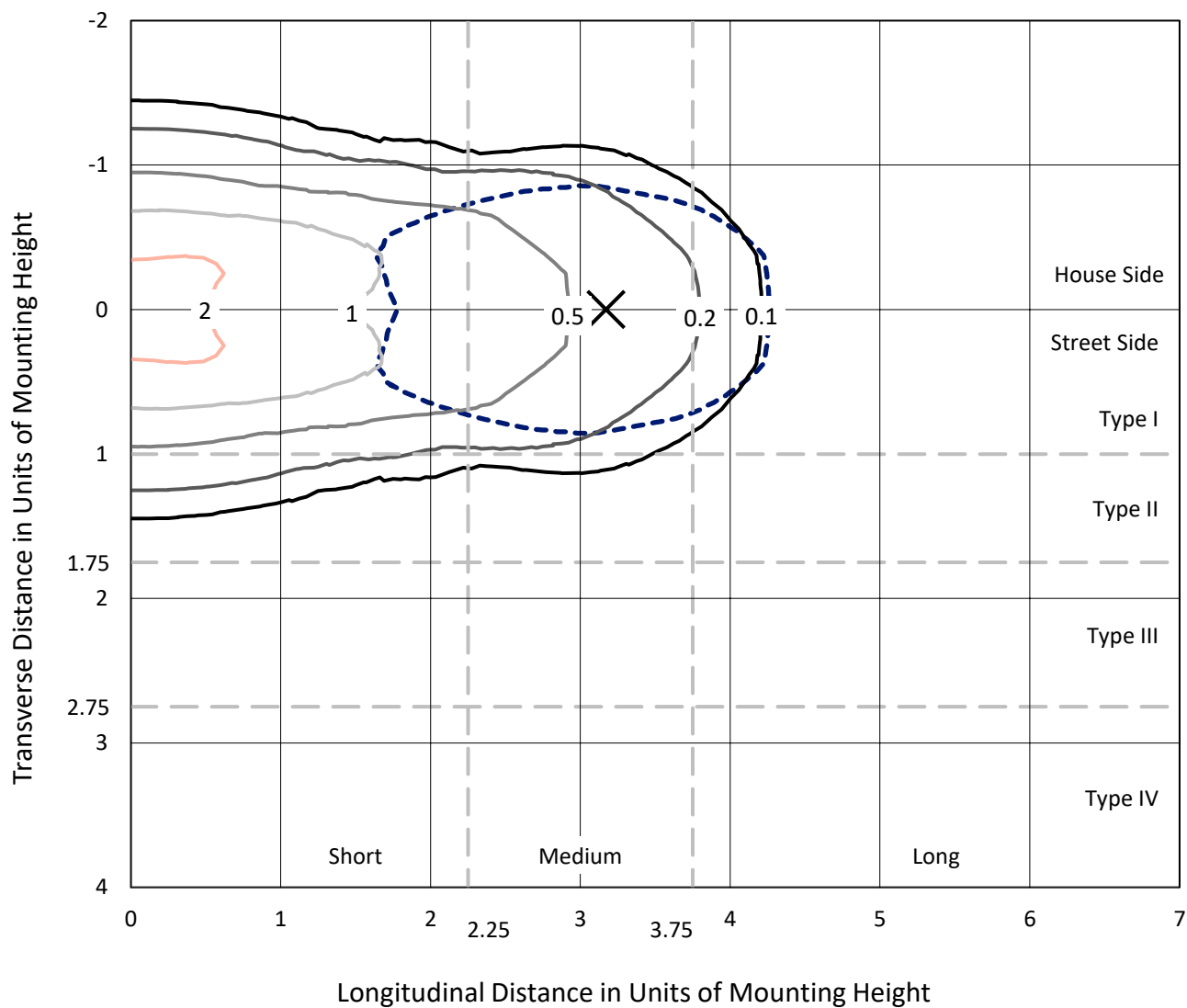
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

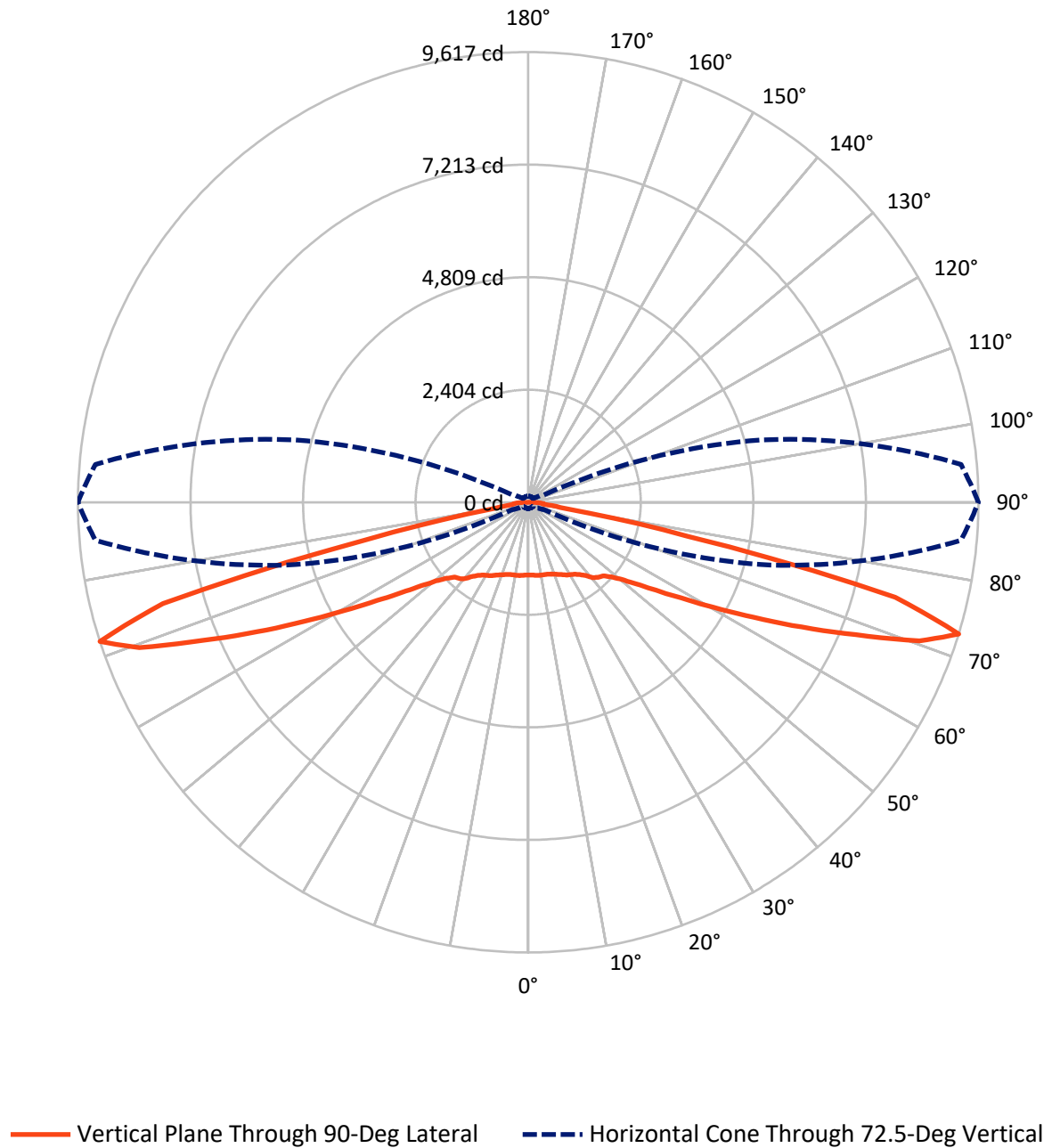


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4159.5	0.0	4159.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4159.5	0.0	4159.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8319.0	0.0	8319.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.7	1.8
10°-20°	460.9	5.5
20°-30°	768.4	9.2
30°-40°	1056.9	12.7
40°-50°	1290.7	15.5
50°-60°	1492.8	17.9
60°-70°	1780.0	21.4
70°-80°	1242.3	14.9
80°-90°	76.3	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°	8319.0	100.0
0°-180°	8319.0	100.0

Coefficient of Utilization



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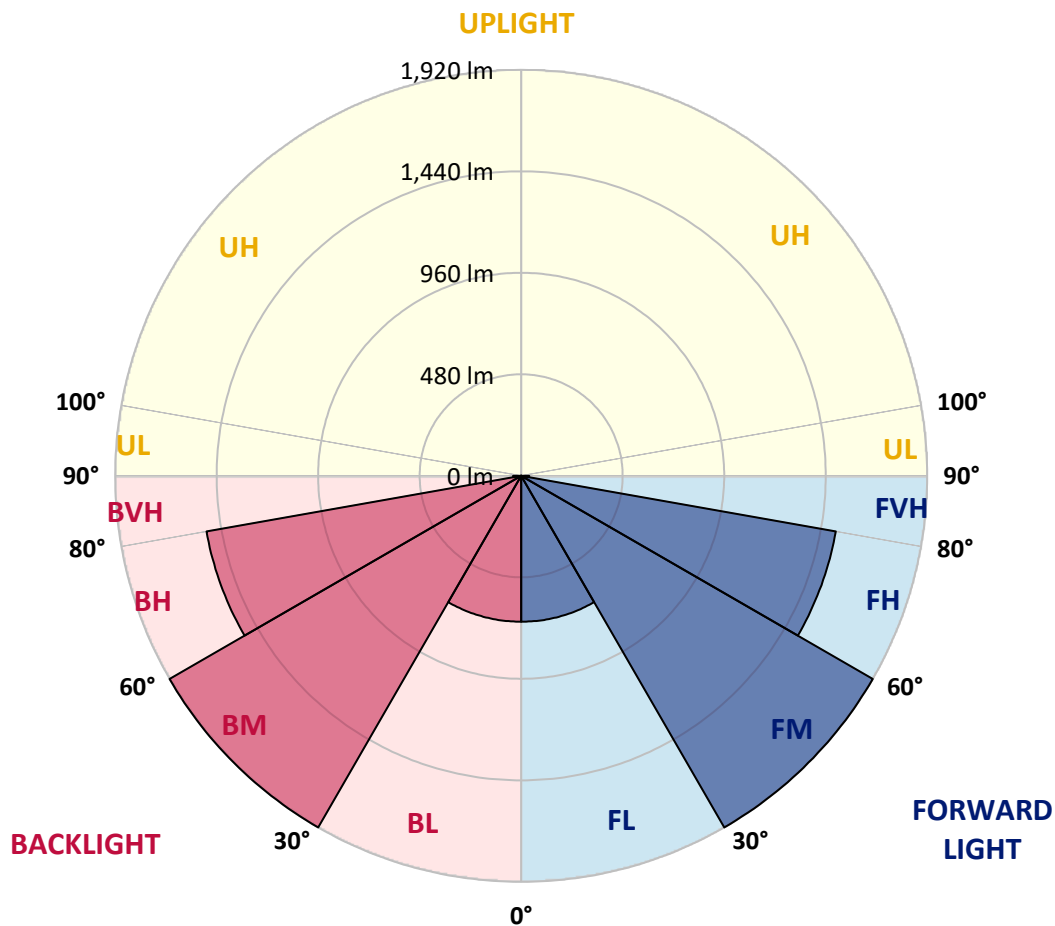
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	690.0	8.3			
FM	(30°-60°)	1920.2	23.1			
FH	(60°-80°)	1511.1	18.2			G1/1800
FVH	(80°-90°)	38.2	0.5			G1/100
BL	(0°-30°)	690.0	8.3	B2/1000		
BM	(30°-60°)	1920.2	23.1	B2/2500		
BH	(60°-80°)	1511.1	18.2	B3/2500		G3/2500
BVH	(80°-90°)	38.2	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°	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5	1554.5
2.5°	1555.8	1557.6	1557.6	1556.3	1559.4	1556.7	1556.7	1555.4	1556.7	1555.4	1555.4
5°	1563.8	1566.0	1566.9	1566.4	1570.4	1568.2	1568.2	1566.4	1566.9	1565.5	1565.5
7.5°	1578.8	1581.9	1583.7	1585.9	1591.6	1589.0	1587.2	1581.9	1579.7	1576.2	1576.2
10°	1583.7	1587.2	1593.0	1604.5	1617.7	1618.2	1612.9	1599.6	1589.4	1581.5	1580.1
12.5°	1568.6	1573.5	1585.4	1608.9	1638.5	1650.4	1642.0	1619.9	1600.0	1585.9	1583.7
15°	1549.6	1554.9	1573.1	1608.4	1652.2	1680.1	1679.2	1650.0	1618.2	1596.1	1592.5
17.5°	1520.0	1525.3	1551.4	1600.9	1662.8	1708.8	1721.2	1691.1	1646.5	1616.8	1612.0
20°	1466.5	1471.4	1507.6	1577.0	1666.3	1739.3	1771.6	1745.0	1689.3	1649.1	1641.6
22.5°	1397.1	1404.6	1447.1	1535.9	1657.9	1771.1	1829.0	1810.9	1739.3	1683.6	1673.4
25°	1322.8	1330.8	1380.3	1485.5	1636.3	1794.1	1897.1	1885.6	1795.9	1726.5	1712.3
27.5°	1258.7	1267.1	1321.1	1435.6	1602.7	1803.0	1964.3	1970.1	1864.4	1773.8	1758.8
30°	1208.3	1216.3	1273.7	1395.3	1559.4	1794.1	2023.1	2062.9	1934.3	1814.9	1793.2
32.5°	1153.0	1163.2	1223.8	1346.3	1508.1	1772.9	2074.4	2163.3	2015.2	1859.1	1831.7
35°	1083.2	1092.5	1156.1	1279.1	1440.9	1738.9	2117.3	2274.7	2131.0	1926.3	1895.8
37.5°	998.3	1007.1	1070.4	1195.0	1374.1	1691.1	2150.0	2400.3	2269.0	2023.1	1982.5
40°	913.0	921.4	980.6	1101.3	1294.1	1630.1	2161.5	2523.2	2427.2	2156.2	2112.9
42.5°	834.7	842.2	896.6	1008.9	1204.3	1552.3	2146.5	2630.2	2569.2	2249.1	2193.4
45°	762.7	769.3	817.5	922.3	1111.0	1457.7	2101.4	2745.1	2738.0	2315.4	2240.2
47.5°	680.4	687.1	737.0	838.3	1017.8	1346.7	2024.9	2858.3	2972.8	2465.7	2379.0
50°	580.1	585.8	637.1	741.4	920.9	1228.7	1918.8	2947.2	3269.0	2693.4	2584.6
52.5°	461.1	467.3	517.3	621.6	806.0	1101.8	1779.1	3005.1	3611.2	3025.9	2891.9
55°	343.1	347.5	390.8	484.6	663.6	957.2	1604.0	3021.4	3999.4	3480.4	3312.8
57.5°	248.9	251.6	279.4	349.3	503.1	776.4	1391.4	2979.0	4461.4	4063.1	3852.2
60°	201.6	202.5	210.9	241.8	349.7	572.1	1134.5	2833.1	4962.8	4814.2	4548.5
62.5°	183.0	183.0	185.2	193.6	236.5	377.6	823.7	2530.7	5500.4	5763.5	5407.6
65°	170.2	170.2	171.1	175.1	186.6	240.5	519.9	2038.2	5953.6	6875.4	6425.3
67.5°	158.7	159.2	158.7	160.0	166.7	177.7	301.5	1407.7	6197.6	8027.6	7541.7
70°	146.8	147.7	145.5	145.5	150.8	151.2	188.8	771.9	5995.1	8993.2	8865.4
72.5°	132.6	134.0	130.4	129.5	133.5	131.8	141.9	370.5	5147.2	9281.4	9617.4
75°	120.3	122.0	114.1	111.9	111.9	110.5	115.4	190.1	3340.7	7571.3	8098.3
77.5°	109.2	112.7	99.9	92.8	91.1	87.1	94.2	116.3	1461.2	3554.6	3480.8
80°	90.2	95.1	82.2	73.8	70.7	66.3	74.3	81.4	434.6	825.4	790.5
82.5°	67.2	69.4	58.4	52.6	50.0	46.9	55.7	56.6	141.5	292.2	330.3
85°	42.9	43.8	35.8	30.9	29.6	28.3	35.4	30.9	53.9	214.9	312.1
87.5°	15.0	17.2	13.7	12.4	13.3	11.1	16.4	9.3	15.0	151.6	187.9
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)