

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: P939233

Luminaire Tested: **GALN-SB1D-727-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939233
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-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9340 lumens
Efficiency: N/A
Efficacy: 117.3 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



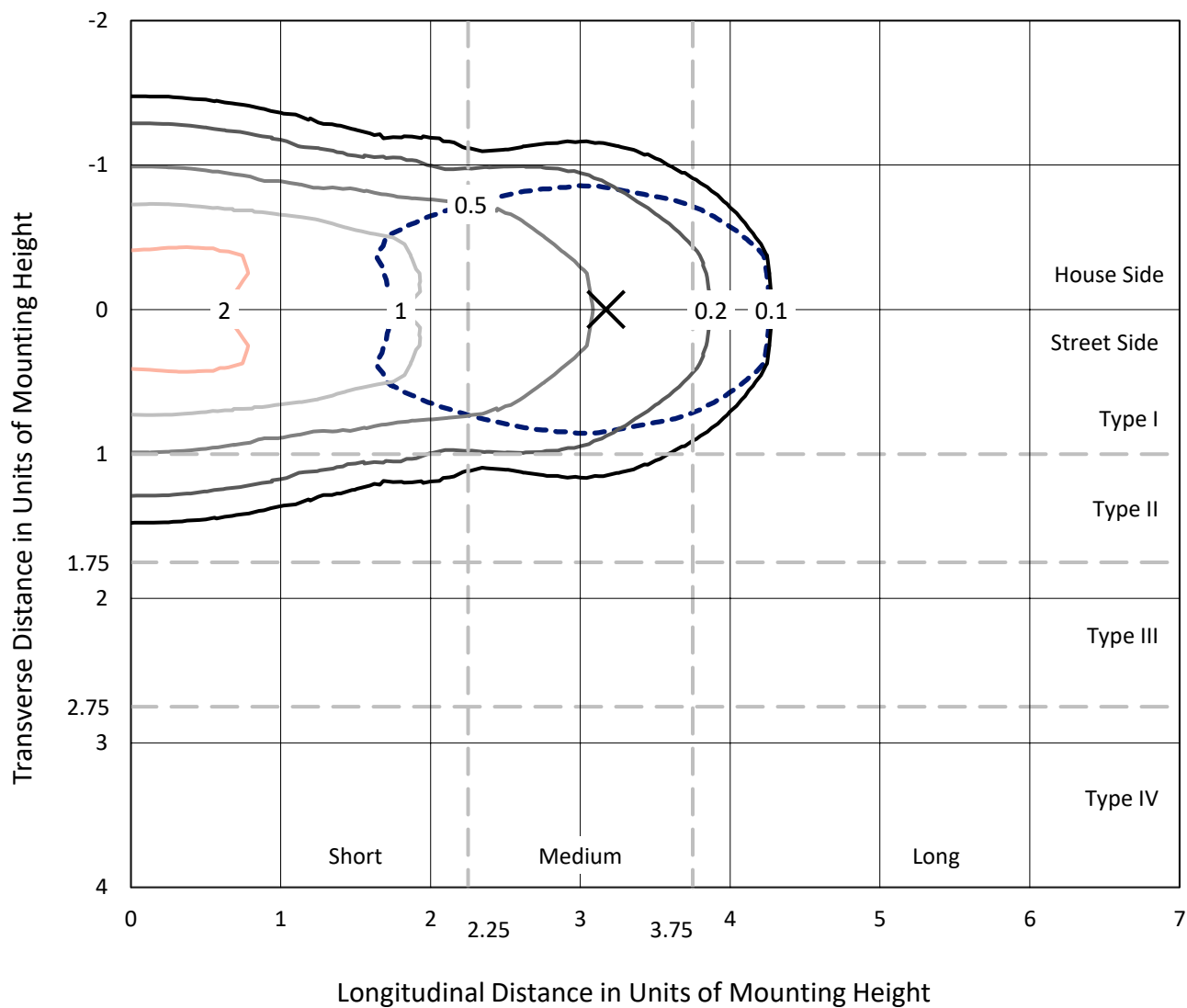
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Iso-Footcandle Lines of Horizontal Illumination

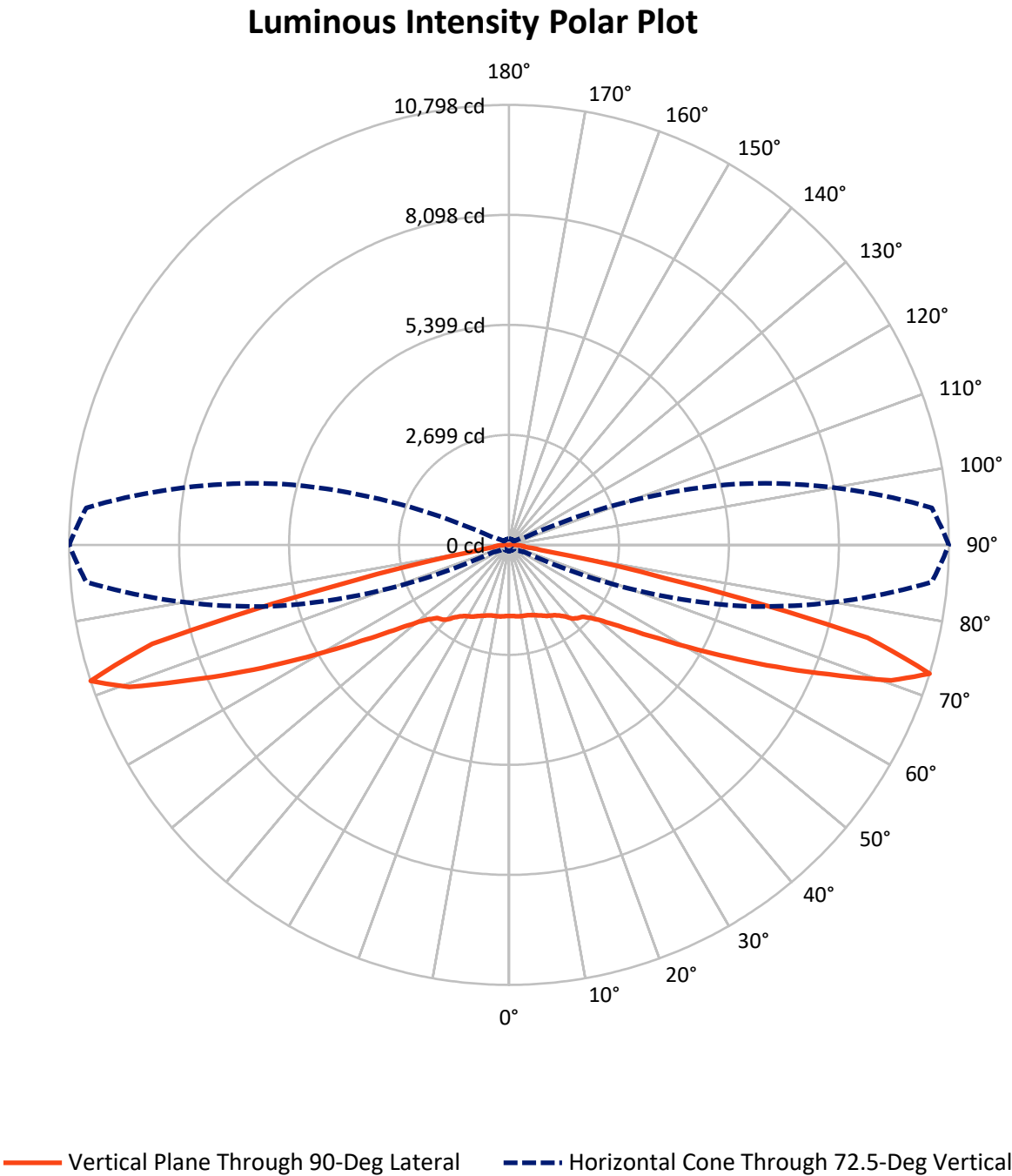
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
Type I - Short - N/A

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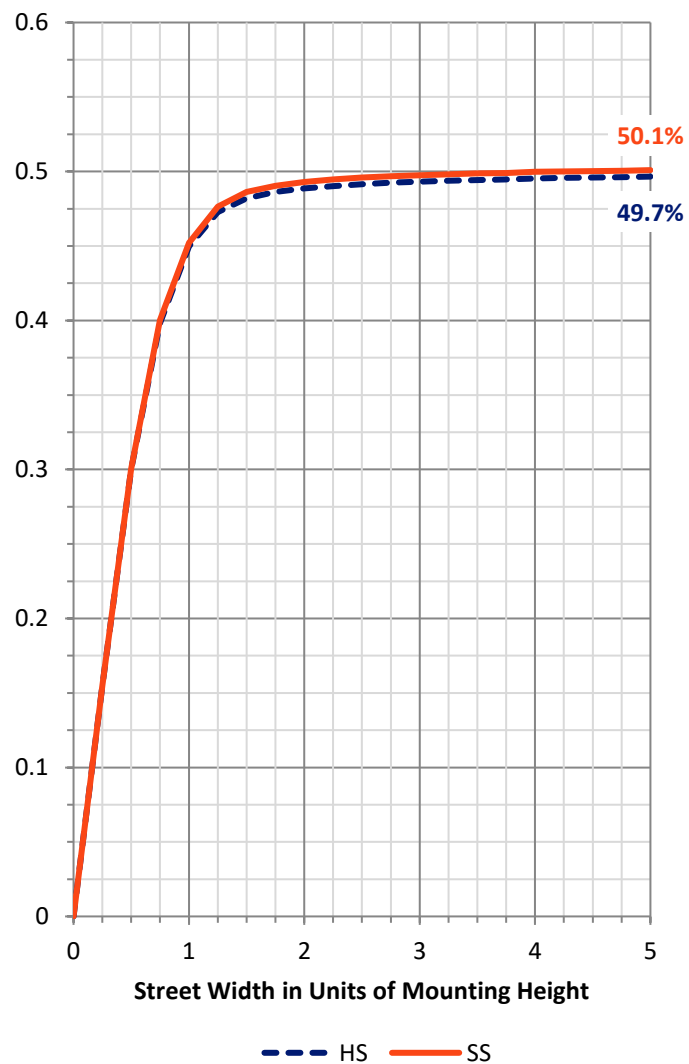
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4670.0	0.0	4670.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4670.0	0.0	4670.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9340.0	0.0	9340.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.2	1.8
10°-20°	517.4	5.5
20°-30°	862.8	9.2
30°-40°	1186.6	12.7
40°-50°	1449.1	15.5
50°-60°	1676.1	17.9
60°-70°	1998.4	21.4
70°-80°	1394.8	14.9
80°-90°	85.7	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°	9340.0	100.0
0°-180°	9340.0	100.0

Coefficient of Utilization



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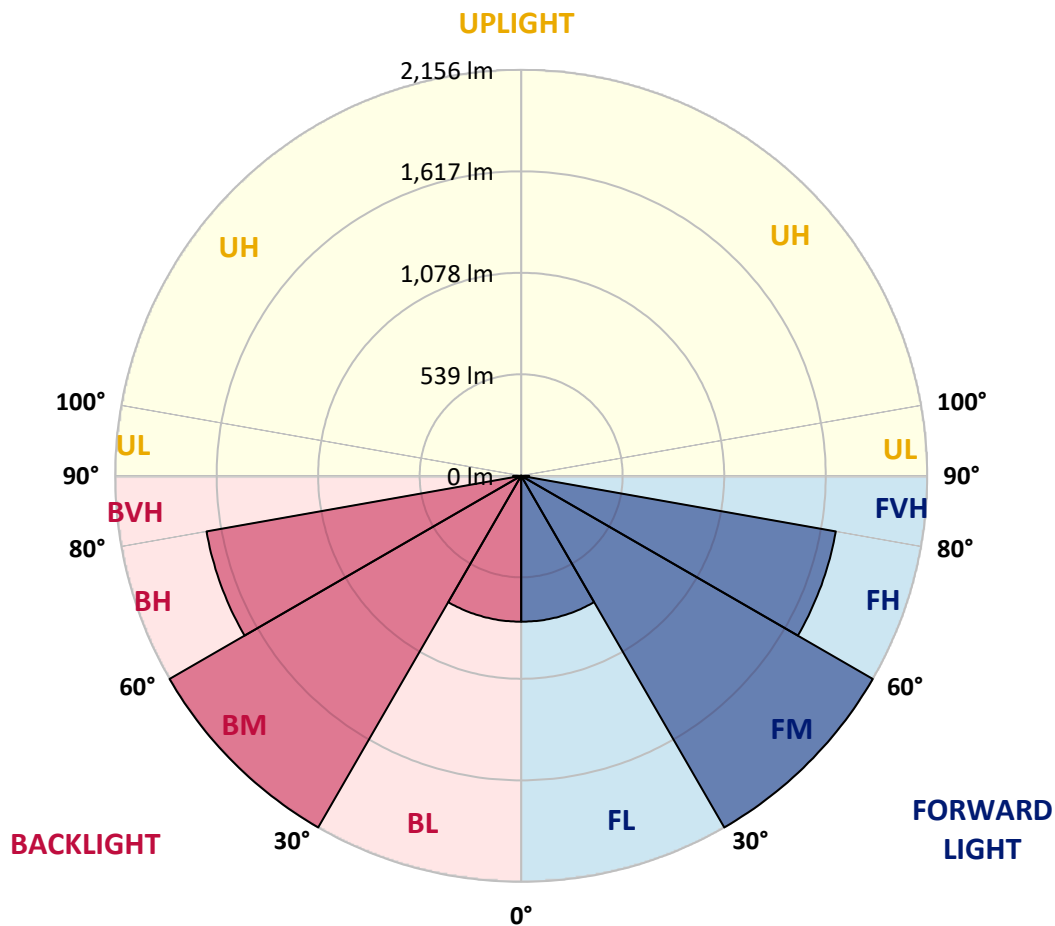
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	774.7	8.3			
FM	(30°-60°)	2155.9	23.1			
FH	(60°-80°)	1696.6	18.2			G1/1800
FVH	(80°-90°)	42.8	0.5			G1/100
BL	(0°-30°)	774.7	8.3	B2/1000		
BM	(30°-60°)	2155.9	23.1	B2/2500		
BH	(60°-80°)	1696.6	18.2	B3/2500		G3/2500
BVH	(80°-90°)	42.8	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°	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3	1745.3
2.5°	1746.8	1748.8	1748.8	1747.3	1750.7	1747.8	1747.8	1746.3	1747.8	1746.3	1746.3
5°	1755.7	1758.2	1759.2	1758.7	1763.1	1760.7	1760.7	1758.7	1759.2	1757.7	1757.7
7.5°	1772.6	1776.1	1778.0	1780.5	1787.0	1784.0	1782.0	1776.1	1773.6	1769.6	1769.6
10°	1778.0	1782.0	1788.5	1801.4	1816.3	1816.8	1810.8	1795.9	1784.5	1775.6	1774.1
12.5°	1761.2	1766.6	1780.0	1806.3	1839.6	1853.0	1843.6	1818.7	1796.4	1780.5	1778.0
15°	1739.8	1745.8	1766.1	1805.8	1855.0	1886.2	1885.3	1852.5	1816.8	1791.9	1788.0
17.5°	1706.6	1712.5	1741.8	1797.4	1866.9	1918.5	1932.4	1898.7	1848.5	1815.3	1809.8
20°	1646.5	1652.0	1692.7	1770.6	1870.9	1952.8	1989.0	1959.2	1896.7	1851.5	1843.1
22.5°	1568.6	1577.0	1624.7	1724.4	1861.4	1988.5	2053.5	2033.2	1952.8	1890.2	1878.8
25°	1485.2	1494.1	1549.7	1667.8	1837.1	2014.3	2130.0	2117.1	2016.3	1938.4	1922.5
27.5°	1413.2	1422.6	1483.2	1611.8	1799.4	2024.2	2205.4	2211.9	2093.2	1991.5	1974.6
30°	1356.6	1365.5	1430.1	1566.6	1750.7	2014.3	2271.4	2316.1	2171.7	2037.6	2013.3
32.5°	1294.6	1306.0	1374.0	1511.5	1693.2	1990.5	2329.0	2428.8	2262.5	2087.3	2056.5
35°	1216.1	1226.6	1298.0	1436.0	1617.7	1952.3	2377.2	2553.9	2392.6	2162.7	2128.5
37.5°	1120.8	1130.8	1201.7	1341.7	1542.8	1898.7	2413.9	2694.9	2547.4	2271.4	2225.8
40°	1025.0	1034.5	1101.0	1236.5	1452.9	1830.2	2426.8	2832.8	2725.1	2420.9	2372.2
42.5°	937.2	945.6	1006.7	1132.7	1352.1	1742.8	2409.9	2953.0	2884.5	2525.1	2462.5
45°	856.3	863.7	917.8	1035.5	1247.4	1636.6	2359.3	3082.0	3074.1	2599.6	2515.2
47.5°	763.9	771.4	827.5	941.1	1142.7	1512.0	2273.4	3209.1	3337.7	2768.3	2671.0
50°	651.3	657.7	715.3	832.4	1034.0	1379.4	2154.3	3308.9	3670.2	3024.0	2901.8
52.5°	517.7	524.7	580.8	697.9	904.9	1237.0	1997.4	3373.9	4054.4	3397.2	3246.8
55°	385.2	390.2	438.8	544.0	745.1	1074.7	1800.9	3392.3	4490.3	3907.5	3719.4
57.5°	279.5	282.4	313.7	392.1	564.9	871.6	1562.1	3344.6	5009.0	4561.7	4325.0
60°	226.3	227.3	236.8	271.5	392.6	642.3	1273.7	3180.8	5571.9	5405.1	5106.8
62.5°	205.5	205.5	208.0	217.4	265.6	423.9	924.8	2841.3	6175.5	6470.8	6071.2
65°	191.1	191.1	192.1	196.6	209.5	270.0	583.7	2288.3	6684.3	7719.2	7213.9
67.5°	178.2	178.7	178.2	179.7	187.1	199.5	338.5	1580.5	6958.3	9012.8	8467.3
70°	164.8	165.8	163.3	163.3	169.3	169.8	212.0	866.7	6730.9	10096.9	9953.4
72.5°	148.9	150.4	146.4	145.4	149.9	147.9	159.3	416.0	5778.9	10420.5	10797.8
75°	135.0	137.0	128.1	125.6	125.6	124.1	129.6	213.4	3750.7	8500.5	9092.2
77.5°	122.6	126.6	112.2	104.2	102.3	97.8	105.7	130.5	1640.5	3990.9	3908.0
80°	101.3	106.7	92.3	82.9	79.4	74.5	83.4	91.3	487.9	926.7	887.5
82.5°	75.4	77.9	65.5	59.1	56.1	52.6	62.5	63.5	158.8	328.1	370.8
85°	48.1	49.1	40.2	34.7	33.3	31.8	39.7	34.7	60.6	241.2	350.4
87.5°	16.9	19.4	15.4	13.9	14.9	12.4	18.4	10.4	16.9	170.3	211.0
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)