

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: P945233

Luminaire Tested: **GALN-SB1B-730-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB1B-730-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5800 lumens
Efficiency: N/A
Efficacy: 145.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

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

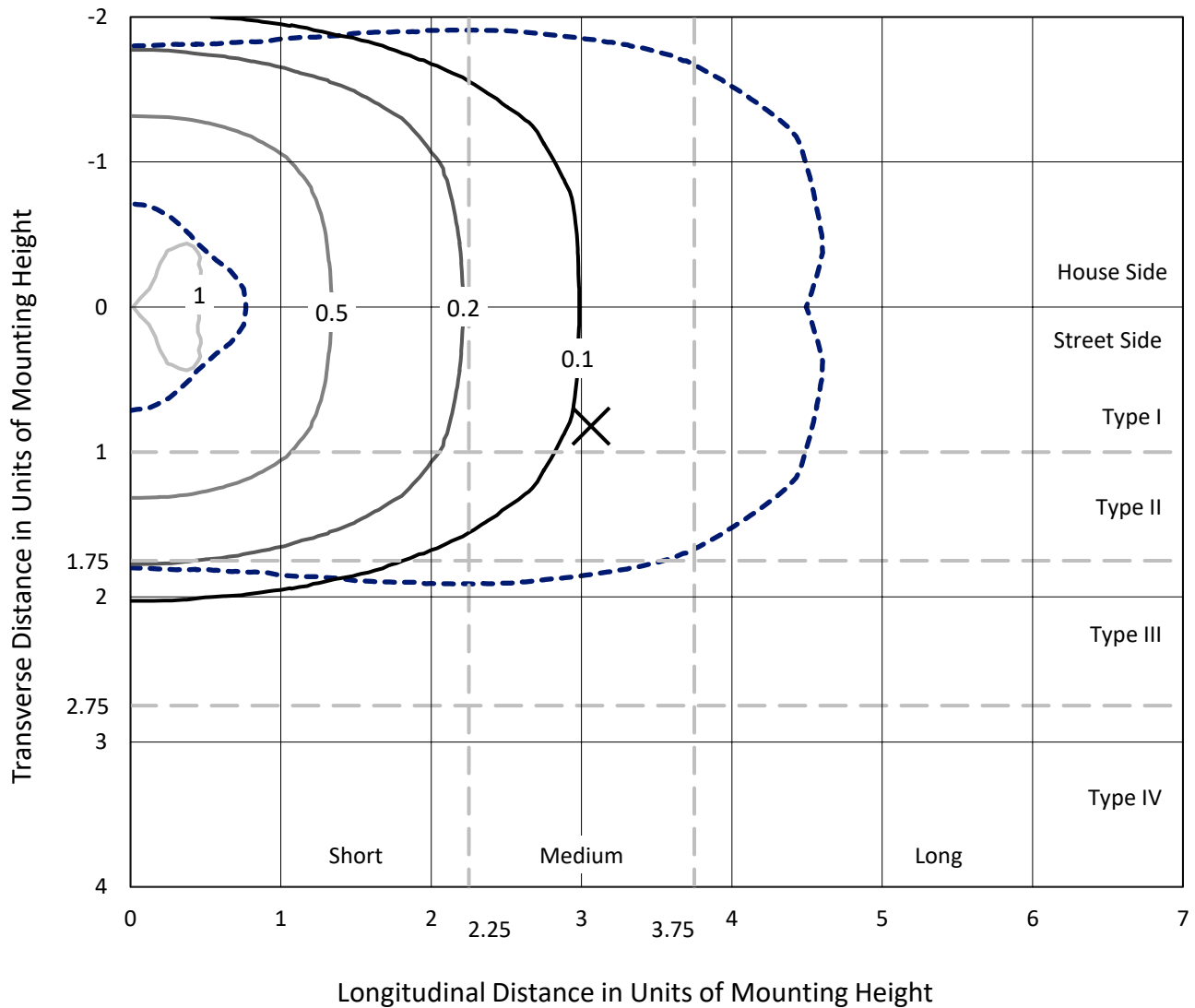


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

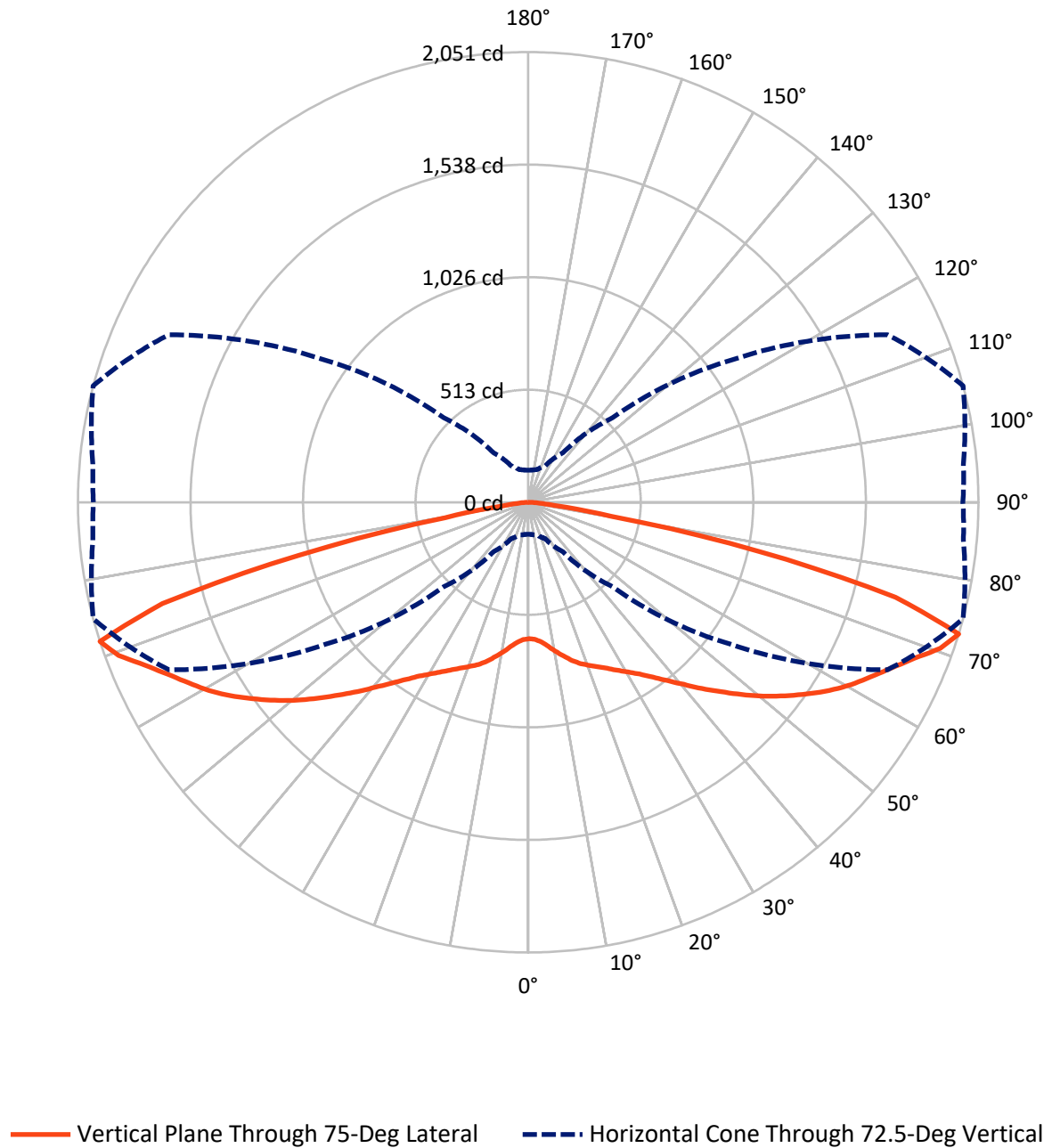


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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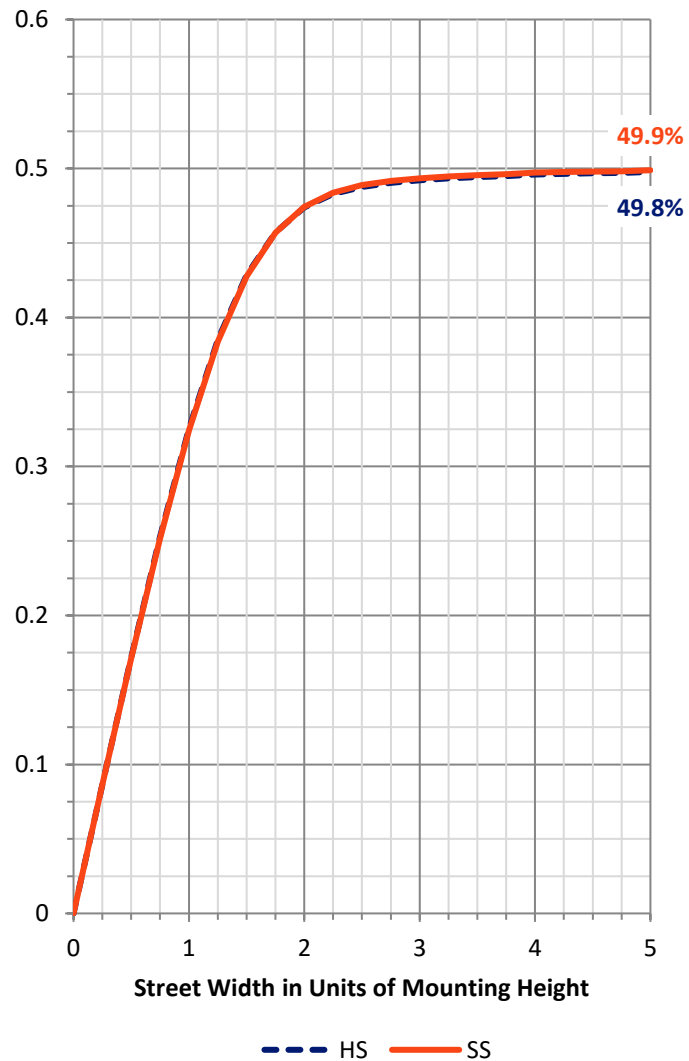
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2900.0	0.0	2900.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2900.0	0.0	2900.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5800.0	0.0	5800.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.9	1.0
10°-20°	200.7	3.5
20°-30°	387.9	6.7
30°-40°	654.9	11.3
40°-50°	1038.7	17.9
50°-60°	1390.6	24.0
60°-70°	1323.4	22.8
70°-80°	690.6	11.9
80°-90°	52.3	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°	5800.0	100.0
0°-180°	5800.0	100.0

Coefficient of Utilization



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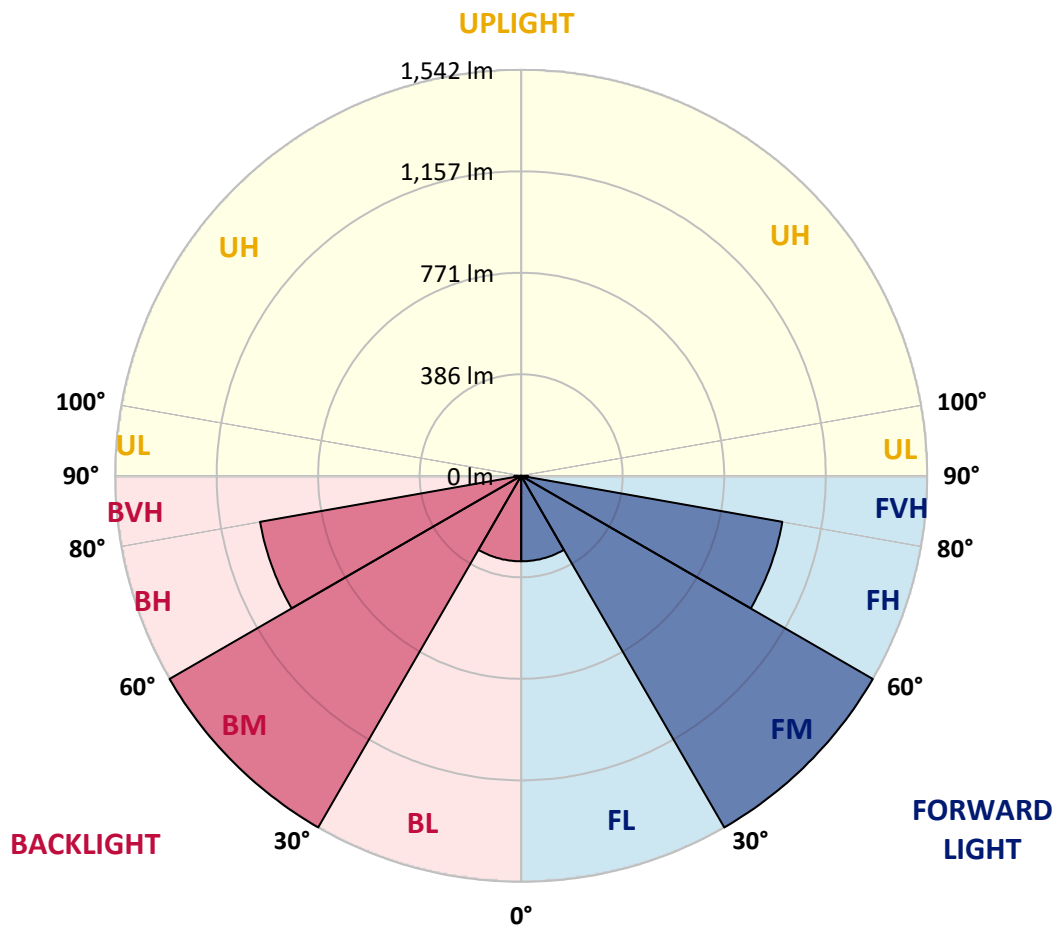
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	324.7	5.6			
FM	(30°-60°)	1542.1	26.6			
FH	(60°-80°)	1007.0	17.4			G1/1800
FVH	(80°-90°)	26.1	0.5			G1/100
BL	(0°-30°)	324.7	5.6	B1/500		
BM	(30°-60°)	1542.1	26.6	B2/2500		
BH	(60°-80°)	1007.0	17.4	B3/2500		G3/2500
BVH	(80°-90°)	26.1	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3
2.5°	621.3	620.7	621.3	621.9	621.6	621.6	623.1	623.9	625.7	625.4	625.1
5°	617.1	616.8	619.2	621.9	623.9	627.5	631.9	635.2	639.3	640.2	640.2
7.5°	615.1	614.2	618.3	623.1	629.6	638.5	647.0	655.9	663.0	665.4	666.0
10°	616.5	616.8	622.5	631.4	641.7	654.2	666.3	681.4	691.5	693.8	696.2
12.5°	623.4	622.8	632.2	646.5	660.7	676.4	690.6	707.2	718.1	723.7	726.1
15°	635.8	634.6	647.9	669.0	689.7	708.1	719.6	735.3	748.0	755.1	757.8
17.5°	650.6	651.2	668.7	695.9	723.2	743.9	754.8	762.8	772.6	778.8	781.8
20°	676.7	677.8	697.4	729.7	760.8	784.5	793.3	790.4	793.0	797.8	801.3
22.5°	711.6	712.2	734.1	769.1	801.6	827.7	833.6	821.5	814.1	817.3	819.7
25°	752.2	756.0	777.9	813.8	847.2	872.1	874.8	856.4	838.1	838.9	840.4
27.5°	801.6	805.2	827.4	862.9	897.0	918.6	918.3	893.7	866.8	860.0	862.0
30°	855.2	859.1	881.9	918.6	950.3	969.2	965.1	935.8	897.3	884.5	886.0
32.5°	918.9	921.3	944.4	981.1	1010.4	1025.5	1016.9	980.8	932.8	918.3	921.9
35°	995.9	999.4	1016.6	1051.3	1077.0	1089.5	1075.0	1032.3	978.4	962.1	964.5
37.5°	1083.8	1081.5	1101.0	1131.8	1153.1	1160.8	1141.0	1090.4	1030.5	1011.3	1014.8
40°	1175.6	1174.5	1195.8	1225.4	1236.9	1241.7	1212.4	1157.0	1090.7	1069.9	1076.7
42.5°	1258.9	1258.0	1286.7	1319.6	1333.5	1328.1	1291.1	1227.8	1160.2	1136.6	1142.5
45°	1325.5	1324.3	1359.5	1405.7	1433.0	1424.1	1374.3	1305.9	1230.7	1206.1	1211.8
47.5°	1376.7	1377.3	1415.2	1472.4	1520.0	1523.3	1459.3	1385.6	1308.3	1280.5	1288.8
50°	1413.7	1415.5	1456.1	1519.5	1584.6	1613.3	1546.1	1467.3	1388.6	1357.2	1366.6
52.5°	1422.9	1426.2	1475.0	1549.4	1626.1	1680.8	1634.3	1545.8	1464.7	1434.8	1442.5
55°	1374.1	1380.6	1442.5	1547.0	1651.5	1725.3	1711.9	1625.5	1541.4	1510.6	1519.2
57.5°	1261.8	1271.0	1343.3	1479.8	1645.9	1755.8	1772.1	1701.9	1618.1	1588.4	1595.3
60°	1104.6	1115.5	1184.8	1333.8	1566.5	1767.0	1814.4	1776.2	1688.5	1659.8	1666.0
62.5°	867.4	881.6	964.5	1139.2	1398.9	1714.6	1850.5	1843.4	1751.9	1716.1	1720.2
65°	556.4	571.5	658.9	865.3	1175.3	1554.1	1861.8	1908.9	1818.8	1768.8	1775.0
67.5°	335.5	342.3	385.6	524.4	859.1	1312.2	1766.4	1981.4	1897.0	1834.8	1839.6
70°	214.7	218.5	244.3	308.0	485.7	957.4	1530.1	1995.0	1991.8	1902.6	1902.1
72.5°	145.7	146.9	153.7	182.4	274.8	544.0	1128.6	1806.1	2051.0	1990.0	1980.5
75°	106.6	113.1	124.1	129.1	156.1	271.8	646.8	1268.9	1728.5	1755.2	1690.6
77.5°	79.4	79.7	94.8	100.7	111.3	144.8	273.6	708.3	1073.2	1126.8	1005.1
80°	67.2	63.7	63.4	81.1	83.8	90.3	122.3	244.6	384.4	233.1	176.2
82.5°	56.0	52.1	47.1	63.4	57.2	55.4	53.0	99.5	122.3	60.1	51.2
85°	39.1	37.3	35.5	41.5	32.6	27.8	25.5	46.5	51.5	25.5	22.5
87.5°	16.9	17.5	17.8	18.4	13.6	9.8	9.8	13.0	13.0	10.1	7.4
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)