

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: P939413

Luminaire Tested: **GALN-SB2A-730-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939413
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-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8874 lumens
Efficiency: N/A
Efficacy: 154.9 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



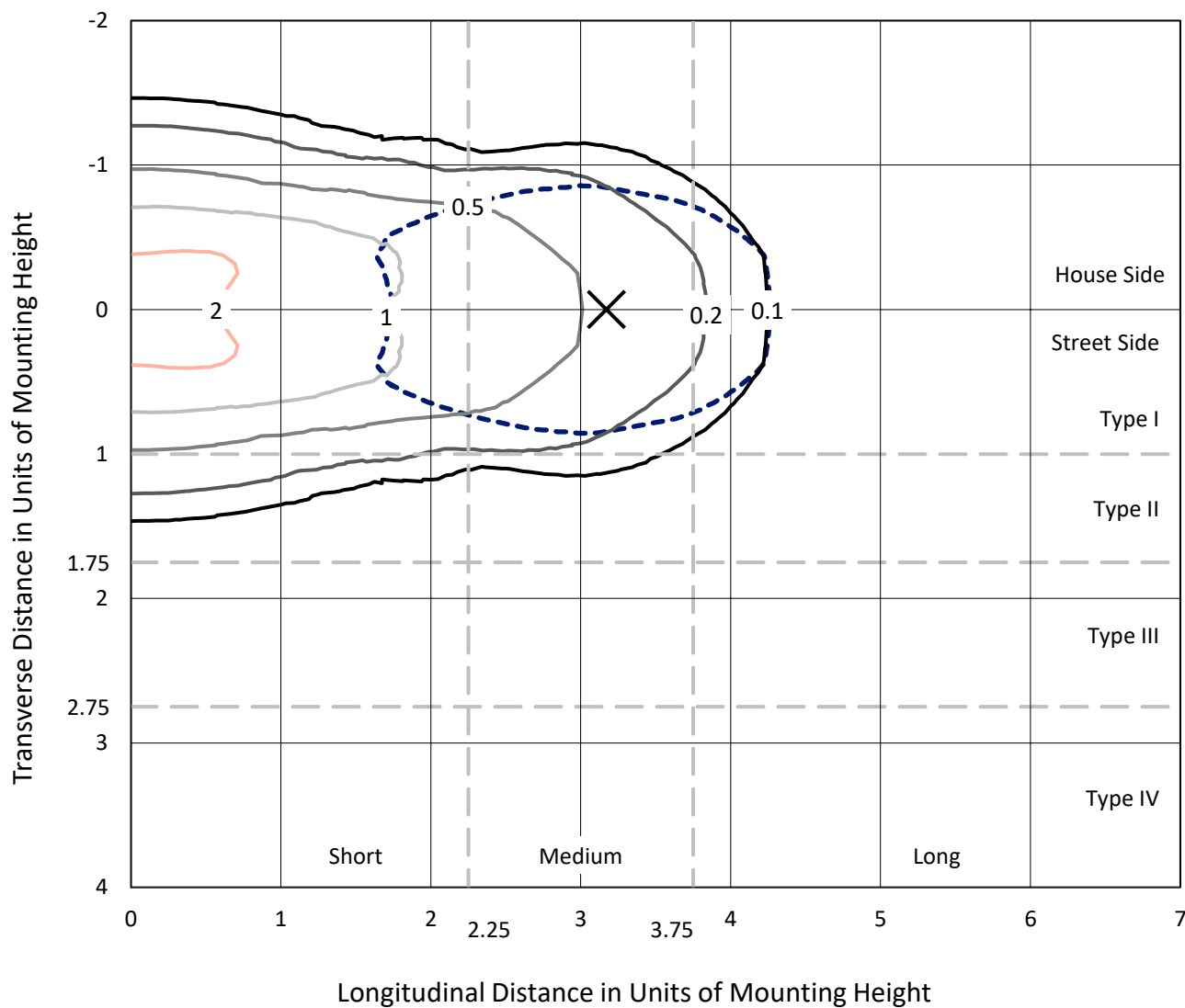
REPORT NUMBER: P939413

CATALOG NUMBER: GALN-SB2A-730-U-T1

Iso-Footcandle Lines of Horizontal Illumination

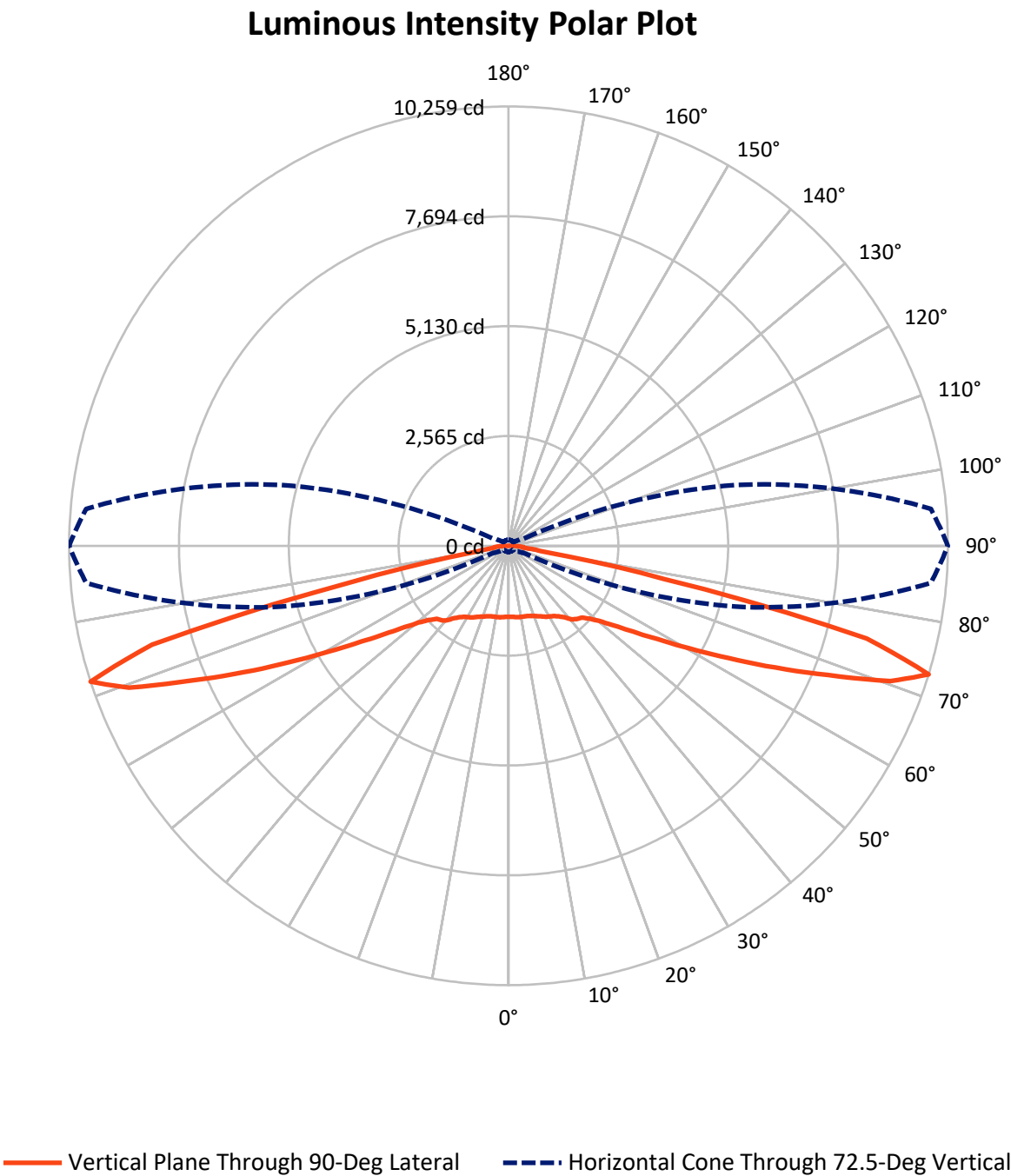
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
Type I - Short - N/A

REPORT NUMBER: P939413
CATALOG NUMBER: GALN-SB2A-730-U-T1



REPORT NUMBER: P939413

CATALOG NUMBER: GALN-SB2A-730-U-T1

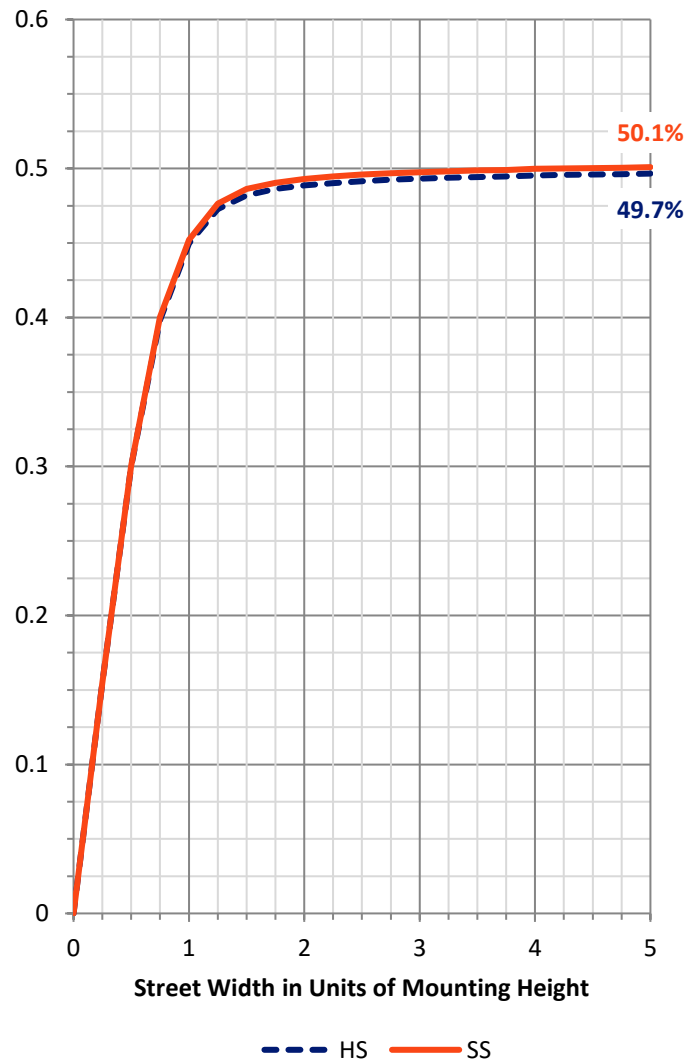
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4437.0	0.0	4437.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4437.0	0.0	4437.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8874.0	0.0	8874.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.8	1.8
10°-20°	491.6	5.5
20°-30°	819.7	9.2
30°-40°	1127.4	12.7
40°-50°	1376.8	15.5
50°-60°	1592.4	17.9
60°-70°	1898.7	21.4
70°-80°	1325.2	14.9
80°-90°	81.4	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°	8874.0	100.0
0°-180°	8874.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939413

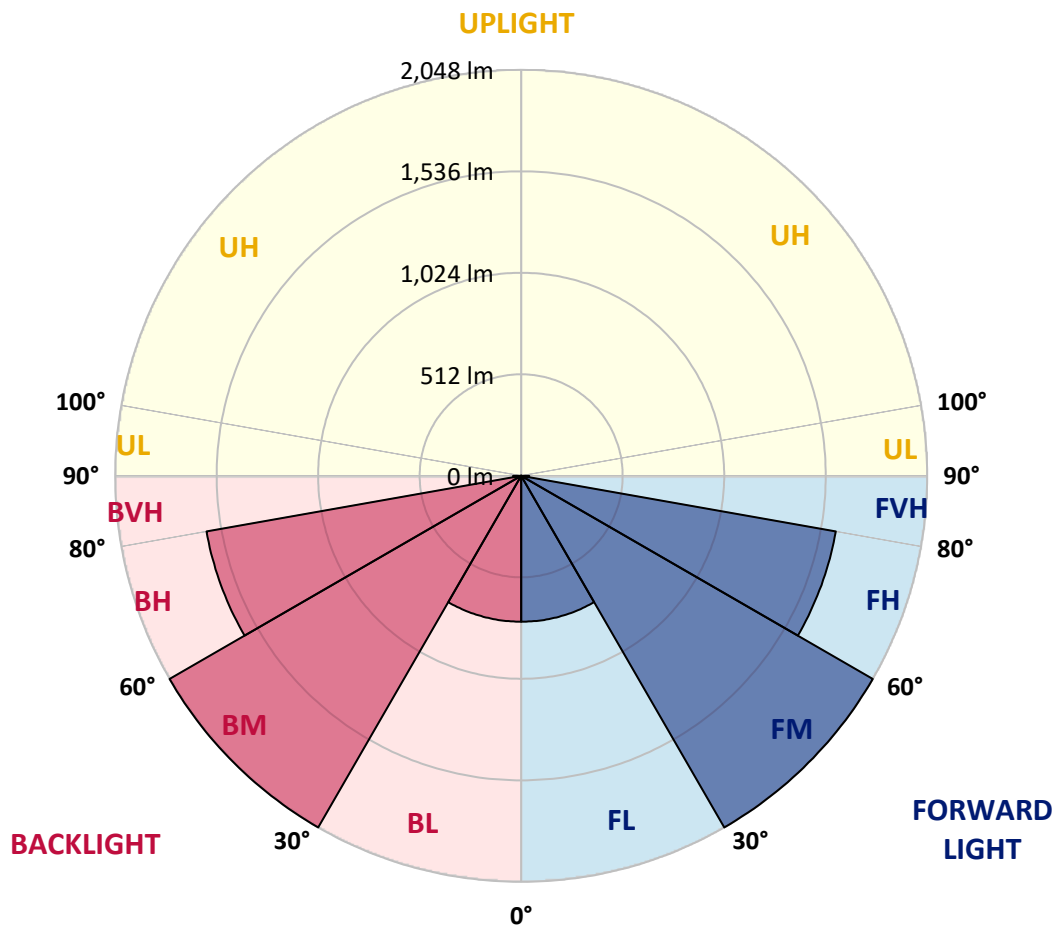
CATALOG NUMBER: GALN-SB2A-730-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	736.1	8.3			
FM	(30°-60°)	2048.3	23.1			
FH	(60°-80°)	1611.9	18.2			G1/1800
FVH	(80°-90°)	40.7	0.5			G1/100
BL	(0°-30°)	736.1	8.3	B2/1000		
BM	(30°-60°)	2048.3	23.1	B2/2500		
BH	(60°-80°)	1611.9	18.2	B3/2500		G3/2500
BVH	(80°-90°)	40.7	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



REPORT NUMBER: P939413

CATALOG NUMBER: GALN-SB2A-730-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1658.2	1658.2	1658.2	1658.2	1658.2	1658.2	1658.2	1658.2	1658.2	1658.2	1658.2
2.5°	1659.6	1661.5	1661.5	1660.1	1663.4	1660.6	1660.6	1659.1	1660.6	1659.1	1659.1
5°	1668.1	1670.5	1671.4	1670.9	1675.2	1672.8	1672.8	1670.9	1671.4	1670.0	1670.0
7.5°	1684.1	1687.4	1689.3	1691.7	1697.8	1695.0	1693.1	1687.4	1685.1	1681.3	1681.3
10°	1689.3	1693.1	1699.2	1711.5	1725.6	1726.1	1720.5	1706.3	1695.5	1687.0	1685.6
12.5°	1673.3	1678.5	1691.2	1716.2	1747.8	1760.5	1751.6	1728.0	1706.8	1691.7	1689.3
15°	1653.0	1658.7	1678.0	1715.7	1762.4	1792.1	1791.2	1760.1	1726.1	1702.5	1698.8
17.5°	1621.4	1627.1	1654.9	1707.7	1773.7	1822.8	1836.0	1803.9	1756.3	1724.7	1719.5
20°	1564.3	1569.5	1608.2	1682.3	1777.5	1855.3	1889.8	1861.5	1802.0	1759.1	1751.1
22.5°	1490.3	1498.3	1543.6	1638.4	1768.6	1889.3	1951.1	1931.7	1855.3	1795.9	1785.1
25°	1411.1	1419.6	1472.4	1584.6	1745.4	1913.8	2023.7	2011.4	1915.7	1841.7	1826.6
27.5°	1342.7	1351.7	1409.2	1531.3	1709.6	1923.2	2095.4	2101.5	1988.8	1892.1	1876.1
30°	1288.9	1297.4	1358.7	1488.4	1663.4	1913.8	2158.1	2200.6	2063.3	1936.0	1912.9
32.5°	1230.0	1240.8	1305.4	1436.1	1608.7	1891.2	2212.8	2307.6	2149.6	1983.1	1953.9
35°	1155.5	1165.4	1233.3	1364.4	1537.0	1854.9	2258.6	2426.5	2273.2	2054.8	2022.3
37.5°	1064.9	1074.3	1141.8	1274.8	1465.8	1803.9	2293.5	2560.4	2420.3	2158.1	2114.7
40°	973.9	982.8	1046.0	1174.8	1380.4	1738.8	2305.7	2691.5	2589.2	2300.1	2253.9
42.5°	890.4	898.4	956.4	1076.2	1284.7	1655.8	2289.7	2805.6	2740.6	2399.1	2339.7
45°	813.5	820.6	872.0	983.8	1185.2	1554.9	2241.6	2928.3	2920.7	2469.9	2389.7
47.5°	725.8	732.9	786.2	894.2	1085.7	1436.5	2160.0	3049.0	3171.1	2630.2	2537.8
50°	618.8	624.9	679.6	790.9	982.4	1310.6	2046.8	3143.8	3487.1	2873.1	2757.1
52.5°	491.9	498.5	551.8	663.1	859.8	1175.3	1897.8	3205.6	3852.2	3227.7	3084.8
55°	366.0	370.7	416.9	516.9	707.9	1021.0	1711.0	3223.0	4266.2	3712.6	3533.8
57.5°	265.5	268.3	298.1	372.6	536.7	828.2	1484.2	3177.7	4759.1	4334.1	4109.2
60°	215.1	216.0	225.0	258.0	373.0	610.3	1210.2	3022.1	5293.9	5135.4	4852.0
62.5°	195.2	195.2	197.6	206.6	252.3	402.8	878.6	2699.5	5867.4	6148.0	5768.3
65°	181.6	181.6	182.5	186.8	199.0	256.6	554.6	2174.1	6350.8	7334.1	6854.0
67.5°	169.3	169.8	169.3	170.7	177.8	189.6	321.6	1501.6	6611.1	8563.1	8044.8
70°	156.6	157.5	155.2	155.2	160.8	161.3	201.4	823.4	6395.1	9593.1	9456.8
72.5°	141.5	142.9	139.1	138.2	142.4	140.5	151.4	395.2	5490.5	9900.6	10259.1
75°	128.3	130.2	121.7	119.3	119.3	117.9	123.1	202.8	3563.5	8076.4	8638.6
77.5°	116.5	120.3	106.6	99.0	97.2	92.9	100.5	124.0	1558.7	3791.8	3713.0
80°	96.2	101.4	87.7	78.8	75.5	70.7	79.2	86.8	463.6	880.5	843.2
82.5°	71.7	74.0	62.3	56.1	53.3	50.0	59.4	60.4	150.9	311.7	352.3
85°	45.7	46.7	38.2	33.0	31.6	30.2	37.7	33.0	57.5	229.2	333.0
87.5°	16.0	18.4	14.6	13.2	14.1	11.8	17.4	9.9	16.0	161.8	200.4
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)