

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: P939363

Luminaire Tested: **GALN-SB1D-935-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939363  
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-935-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7005 lumens  
Efficiency: N/A  
Efficacy: 88.0 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

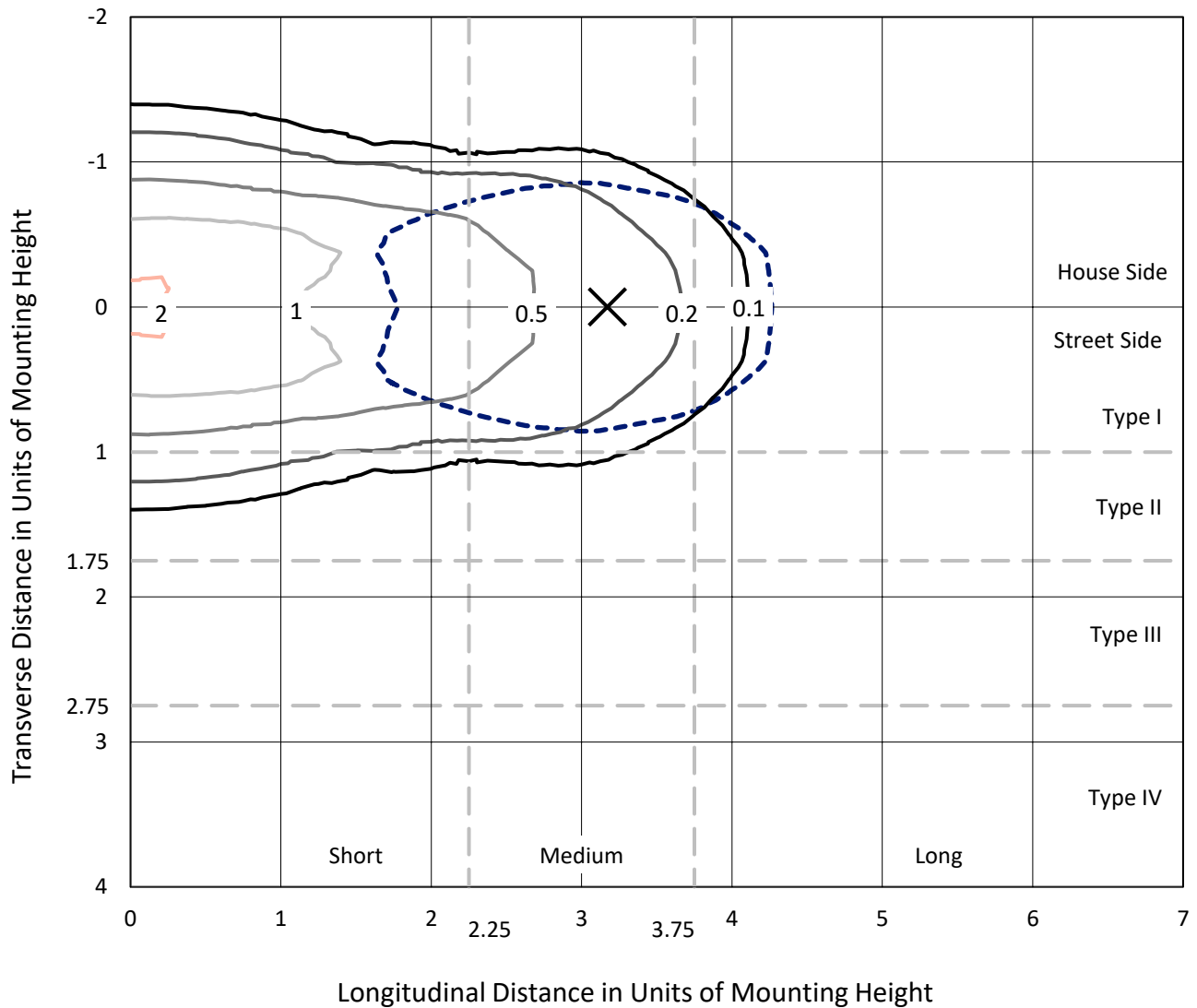
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P939363  
 CATALOG NUMBER: GALN-SB1D-935-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

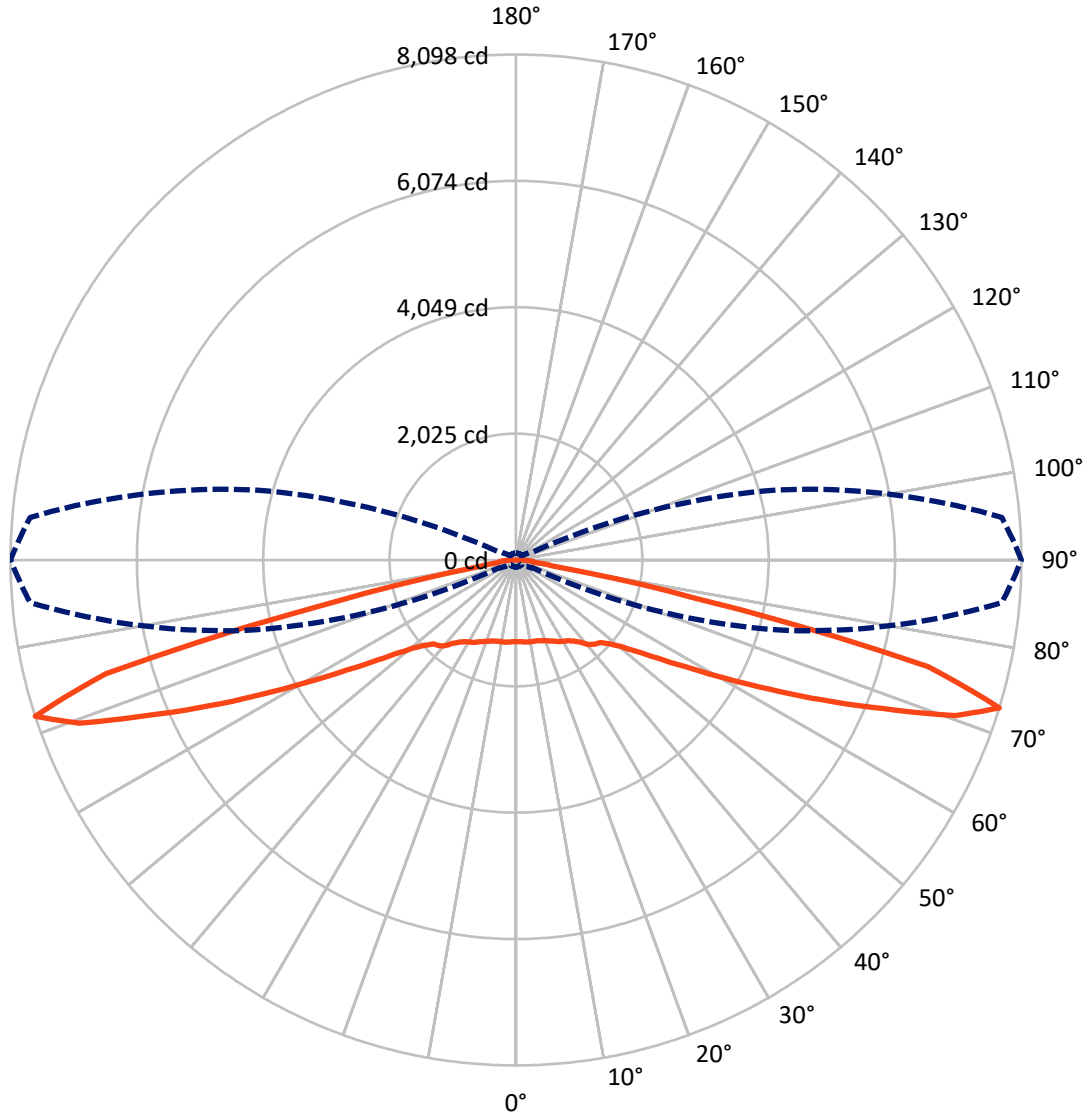
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type I - Short - N/A

REPORT NUMBER: P939363  
CATALOG NUMBER: GALN-SB1D-935-U-T1

### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P939363  
 CATALOG NUMBER: GALN-SB1D-935-U-T1

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3502.5	0.0	3502.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3502.5	0.0	3502.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7005.0	0.0	7005.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.9	1.8
10°-20°	388.1	5.5
20°-30°	647.1	9.2
30°-40°	889.9	12.7
40°-50°	1086.8	15.5
50°-60°	1257.0	17.9
60°-70°	1498.8	21.4
70°-80°	1046.1	14.9
80°-90°	64.3	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°	7005.0	100.0
0°-180°	7005.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P939363

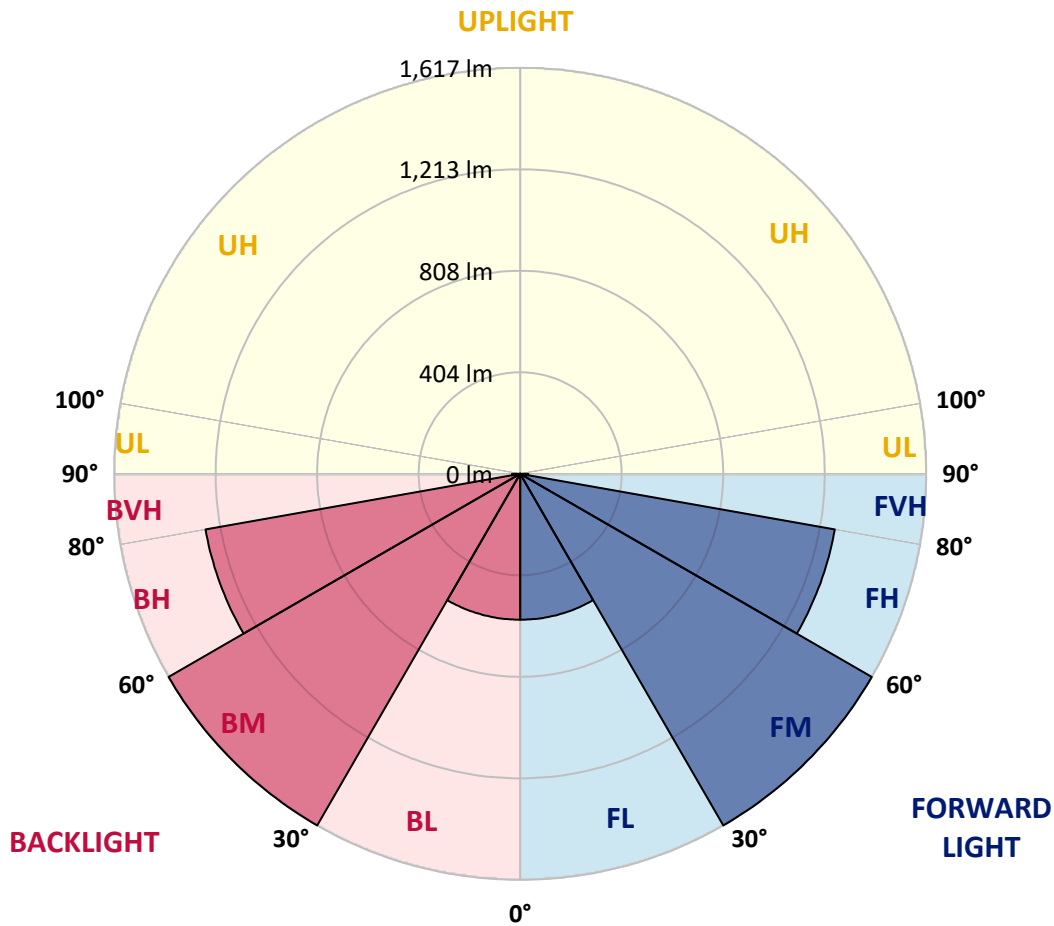
CATALOG NUMBER: GALN-SB1D-935-U-T1

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	581.0	8.3			
FM (30°-60°)	1616.9	23.1			
FH (60°-80°)	1272.4	18.2			G1/1800
FVH (80°-90°)	32.1	0.5			G1/100
BL (0°-30°)	581.0	8.3	B2/1000		
BM (30°-60°)	1616.9	23.1	B2/2500		
BH (60°-80°)	1272.4	18.2	B3/2500		G3/2500
BVH (80°-90°)	32.1	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 I Short



REPORT NUMBER: P939363  
 CATALOG NUMBER: GALN-SB1D-935-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0
2.5°	1310.1	1311.6	1311.6	1310.4	1313.1	1310.8	1310.8	1309.7	1310.8	1309.7
5°	1316.8	1318.6	1319.4	1319.0	1322.4	1320.5	1320.5	1319.0	1319.4	1318.3
7.5°	1329.4	1332.0	1333.5	1335.4	1340.2	1338.0	1336.5	1332.0	1330.2	1327.2
10°	1333.5	1336.5	1341.3	1351.0	1362.2	1362.6	1358.1	1346.9	1338.4	1331.7
12.5°	1320.9	1325.0	1335.0	1354.7	1379.7	1389.7	1382.7	1364.1	1347.3	1335.4
15°	1304.9	1309.3	1324.6	1354.4	1391.2	1414.7	1413.9	1389.4	1362.6	1344.0
17.5°	1279.9	1284.4	1306.4	1348.0	1400.2	1438.9	1449.3	1424.0	1386.4	1361.5
20°	1234.9	1239.0	1269.5	1327.9	1403.1	1464.6	1491.8	1469.4	1422.5	1388.6
22.5°	1176.4	1182.8	1218.5	1293.3	1396.1	1491.4	1540.1	1524.9	1464.6	1417.7
25°	1113.9	1120.6	1162.3	1250.9	1377.8	1510.7	1597.5	1587.8	1512.2	1453.8
27.5°	1059.9	1067.0	1112.4	1208.8	1349.5	1518.2	1654.1	1658.9	1569.9	1493.6
30°	1017.5	1024.2	1072.6	1174.9	1313.1	1510.7	1703.6	1737.1	1628.8	1528.2
32.5°	970.9	979.5	1030.5	1133.6	1269.9	1492.9	1746.8	1821.6	1696.9	1565.5
35°	912.1	919.9	973.5	1077.0	1213.3	1464.2	1782.9	1915.4	1794.4	1622.1
37.5°	840.6	848.1	901.3	1006.3	1157.1	1424.0	1810.4	2021.1	1910.6	1703.6
40°	768.8	775.8	825.7	927.4	1089.7	1372.6	1820.1	2124.6	2043.9	1815.6
42.5°	702.9	709.2	755.0	849.6	1014.1	1307.1	1807.4	2214.7	2163.4	1893.8
45°	642.2	647.8	688.4	776.6	935.6	1227.4	1769.5	2311.5	2305.6	1949.7
47.5°	572.9	578.5	620.6	705.9	857.0	1134.0	1705.1	2406.8	2503.3	2076.2
50°	488.4	493.3	536.5	624.3	775.5	1034.6	1615.7	2481.7	2752.7	2268.0
52.5°	388.3	393.5	435.6	523.4	678.7	927.7	1498.1	2530.4	3040.8	2547.9
55°	288.9	292.6	329.1	408.0	558.8	806.0	1350.7	2544.2	3367.7	2930.6
57.5°	209.6	211.8	235.3	294.1	423.7	653.7	1171.6	2508.5	3756.7	3421.3
60°	169.8	170.5	177.6	203.6	294.5	481.7	955.3	2385.6	4178.9	4053.8
62.5°	154.1	154.1	156.0	163.1	199.2	317.9	693.6	2131.0	4631.6	4853.1
65°	143.3	143.3	144.1	147.4	157.1	202.5	437.8	1716.2	5013.2	5789.4
67.5°	133.7	134.0	133.7	134.8	140.4	149.7	253.9	1185.4	5218.7	6759.6
70°	123.6	124.3	122.5	122.5	126.9	127.3	159.0	650.0	5048.2	7572.7
72.5°	111.7	112.8	109.8	109.1	112.4	110.9	119.5	312.0	4334.2	7815.4
75°	101.3	102.8	96.0	94.2	94.2	93.1	97.2	160.1	2813.0	6375.4
77.5°	92.0	94.9	84.1	78.2	76.7	73.3	79.3	97.9	1230.4	2993.2
80°	75.9	80.0	69.2	62.2	59.6	55.8	62.5	68.5	366.0	695.1
82.5°	56.6	58.4	49.1	44.3	42.1	39.5	46.9	47.7	119.1	246.1
85°	36.1	36.9	30.2	26.1	24.9	23.8	29.8	26.1	45.4	180.9
87.5°	12.7	14.5	11.5	10.4	11.2	9.3	13.8	7.8	12.7	127.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1309.0  
1309.7  
1318.3  
1327.2  
1330.6  
1333.5  
1341.0  
1357.4  
1382.3  
1409.1  
1441.9  
1481.0  
1510.0  
1542.4  
1596.4  
1669.3  
1779.2  
1846.9  
1886.4  
2003.3  
2176.4  
2435.1  
2789.5  
3243.7  
3830.1  
4553.4  
5410.4  
6350.5  
7465.1  
8098.3  
6819.2  
2931.0  
665.6  
278.1  
262.8  
158.2  
0.0

OF REPORT)