

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: P939380

Luminaire Tested: **GALN-SB1D-950-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939380
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1D-950-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7163 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

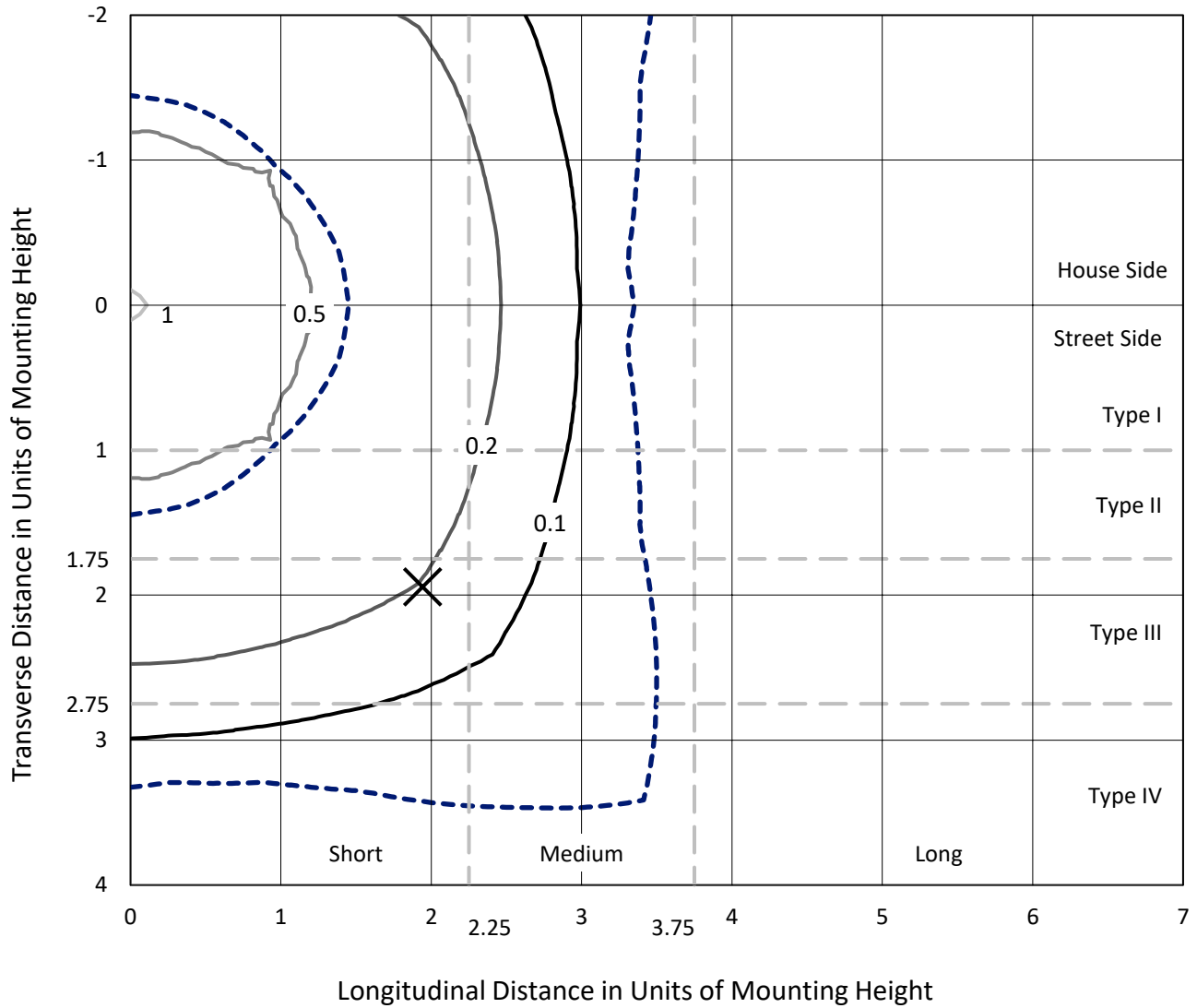
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P939380
 CATALOG NUMBER: GALN-SB1D-950-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

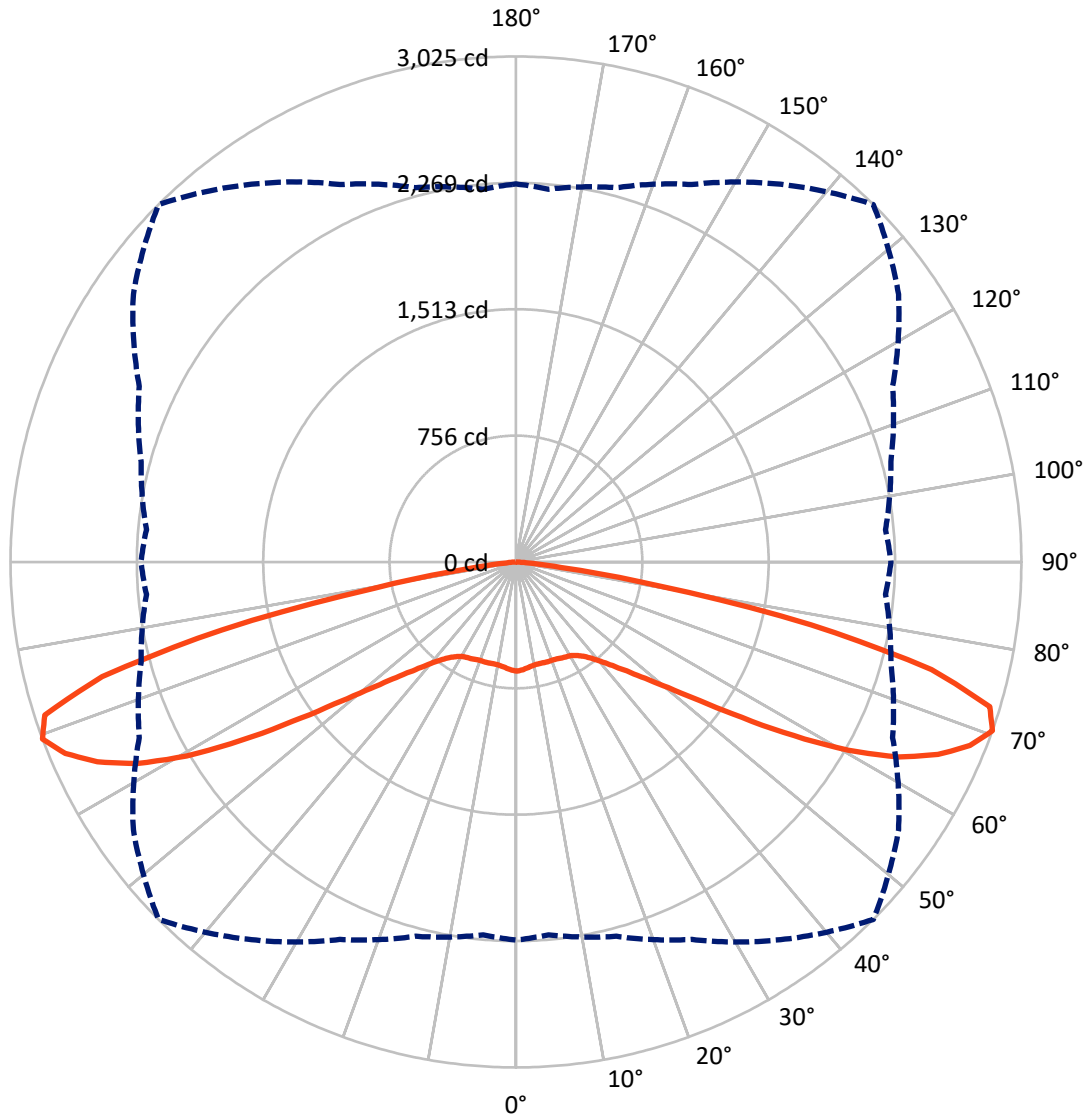
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

REPORT NUMBER: P939380
CATALOG NUMBER: GALN-SB1D-950-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P939380

CATALOG NUMBER: GALN-SB1D-950-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3581.5	0.0	3581.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3581.5	0.0	3581.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7163.0	0.0	7163.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.8	0.8
10°-20°	178.5	2.5
20°-30°	297.0	4.1
30°-40°	449.2	6.3
40°-50°	746.4	10.4
50°-60°	1408.4	19.7
60°-70°	2378.2	33.2
70°-80°	1562.7	21.8
80°-90°	81.9	1.1
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°	7163.0	100.0
0°-180°	7163.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939380

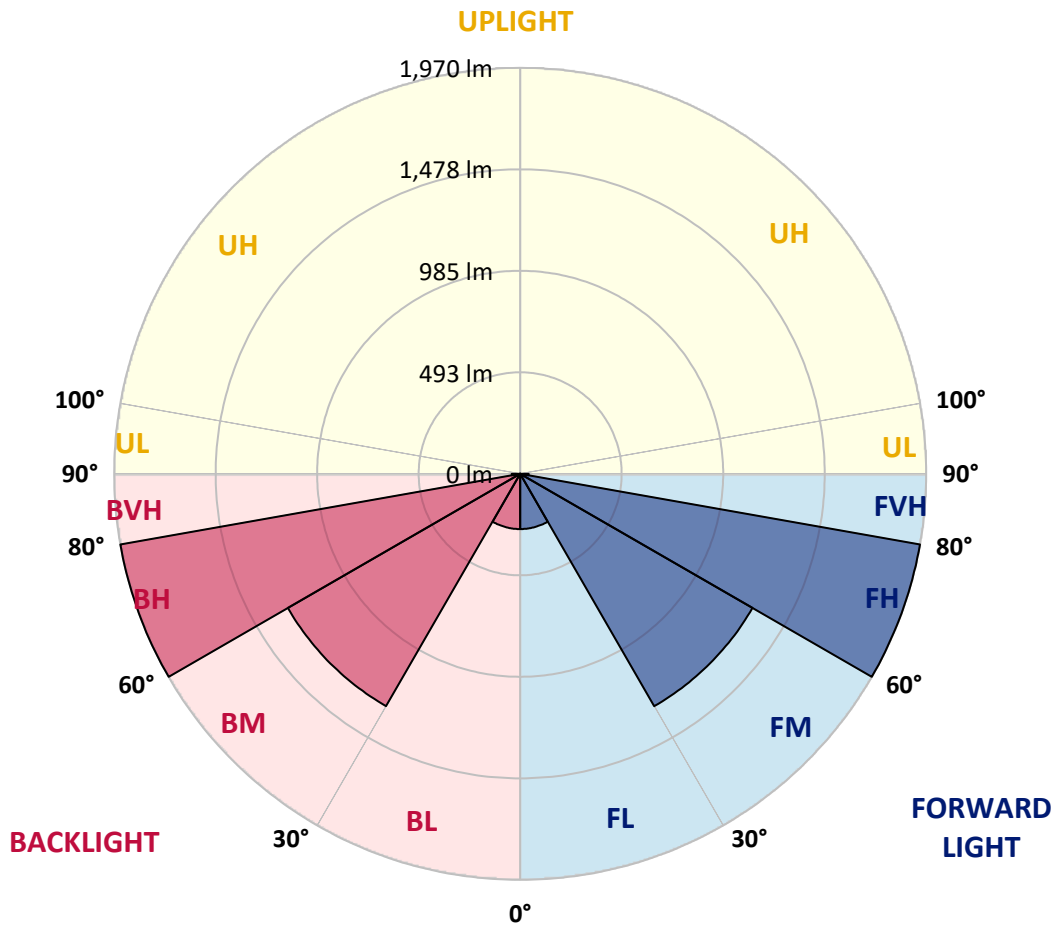
CATALOG NUMBER: GALN-SB1D-950-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	268.1	3.7			
FM (30°-60°)	1302.0	18.2			
FH (60°-80°)	1970.4	27.5			G2/5000
FVH (80°-90°)	40.9	0.6			G1/100
BL (0°-30°)	268.1	3.7	B1/500		
BM (30°-60°)	1302.0	18.2	B2/2500		
BH (60°-80°)	1970.4	27.5	B3/2500		G2/5000
BVH (80°-90°)	40.9	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



REPORT NUMBER: P939380

CATALOG NUMBER: GALN-SB1D-950-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	653.4	653.4	653.4	653.4	653.4	653.4	653.4	653.4	653.4	653.4
2.5°	649.3	651.2	650.4	648.9	648.9	647.8	648.9	649.7	650.8	651.5
5°	640.8	642.2	641.9	640.8	641.1	640.0	640.8	641.9	642.6	643.0
7.5°	633.3	634.8	634.0	632.2	632.2	631.1	631.4	632.6	633.7	634.0
10°	631.4	632.9	630.7	627.7	626.6	625.1	625.5	626.6	628.8	630.0
12.5°	632.2	633.3	631.1	626.6	625.5	624.0	624.0	625.1	628.1	629.6
15°	634.4	635.5	632.2	627.3	626.2	625.1	624.7	626.2	629.6	632.2
17.5°	638.5	639.6	634.4	627.7	626.2	626.6	626.2	627.3	632.6	637.4
20°	642.2	643.0	635.9	627.7	626.2	626.6	626.2	628.5	635.2	641.9
22.5°	643.4	644.1	637.4	630.3	629.2	629.6	629.2	631.4	637.8	644.5
25°	643.7	644.8	639.6	634.0	635.9	636.7	635.9	636.3	641.1	647.1
27.5°	649.3	650.8	646.0	641.1	642.2	641.9	643.0	644.1	647.8	653.8
30°	660.9	662.0	657.9	653.0	652.3	649.7	653.0	656.8	660.9	666.1
32.5°	679.8	682.1	676.9	671.7	668.3	666.8	669.4	675.7	681.3	686.9
35°	711.5	713.0	708.1	698.5	692.5	692.5	694.7	702.9	711.9	718.9
37.5°	756.2	758.0	749.5	737.9	729.0	729.0	732.0	740.5	753.9	764.0
40°	810.5	813.1	802.3	790.4	781.9	780.4	784.1	793.8	806.4	819.1
42.5°	876.1	879.0	864.9	854.5	847.8	847.8	849.6	858.6	870.1	885.7
45°	959.8	965.0	945.7	935.3	928.9	930.4	931.5	939.3	949.8	967.6
47.5°	1059.6	1064.8	1044.3	1033.5	1032.4	1039.5	1035.0	1040.6	1046.2	1066.7
50°	1172.8	1181.7	1167.6	1166.8	1169.1	1182.1	1171.7	1174.6	1168.3	1181.4
52.5°	1311.3	1324.3	1321.7	1326.2	1351.1	1377.9	1354.1	1343.7	1319.9	1323.9
55°	1479.2	1498.9	1502.7	1529.5	1586.1	1640.8	1590.2	1548.1	1497.4	1488.1
57.5°	1670.2	1685.8	1703.7	1758.4	1864.2	1961.3	1864.2	1771.1	1691.4	1672.4
60°	1875.7	1895.1	1912.2	1993.0	2150.1	2286.7	2147.1	1999.3	1894.0	1868.3
62.5°	2096.5	2121.4	2133.4	2223.1	2406.3	2569.3	2408.9	2229.8	2112.9	2085.3
65°	2308.3	2328.8	2342.2	2437.9	2612.9	2776.3	2624.8	2448.3	2328.1	2292.0
67.5°	2407.0	2418.2	2450.9	2559.3	2743.9	2930.5	2775.2	2570.8	2436.4	2373.1
70°	2262.5	2239.8	2318.8	2492.3	2759.6	3025.0	2795.3	2487.1	2322.5	2219.7
72.5°	1748.4	1709.3	1846.3	2143.0	2580.9	2964.7	2598.7	2159.8	1931.6	1723.1
75°	951.3	907.0	1096.1	1471.4	2058.1	2569.7	2105.4	1513.5	1220.4	944.2
77.5°	268.4	251.7	404.3	711.9	1237.9	1804.2	1285.6	727.5	479.5	284.4
80°	82.3	79.7	108.0	214.5	525.7	864.1	505.2	217.1	137.4	86.7
82.5°	48.8	44.7	53.6	78.2	134.0	271.4	130.3	81.5	65.5	43.9
85°	27.9	26.1	31.6	38.0	45.0	57.7	37.6	38.7	35.0	23.5
87.5°	11.5	10.4	12.3	11.9	10.4	13.4	10.1	11.9	14.1	9.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
653.4
651.2
643.0
634.0
630.0
630.0
632.6
637.4
642.2
644.5
646.7
652.3
665.0
684.7
716.3
760.3
815.0
884.6
966.9
1060.7
1173.5
1310.2
1473.6
1659.0
1845.9
2063.0
2274.1
2373.9
2244.3
1774.8
1005.6
316.1
91.6
47.7
24.6
8.6
0.0

OF REPORT)