

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: P939370

Luminaire Tested: **GALN-SB1D-940-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939370
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-940-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 4000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7461 lumens
Efficiency: N/A
Efficacy: 93.7 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

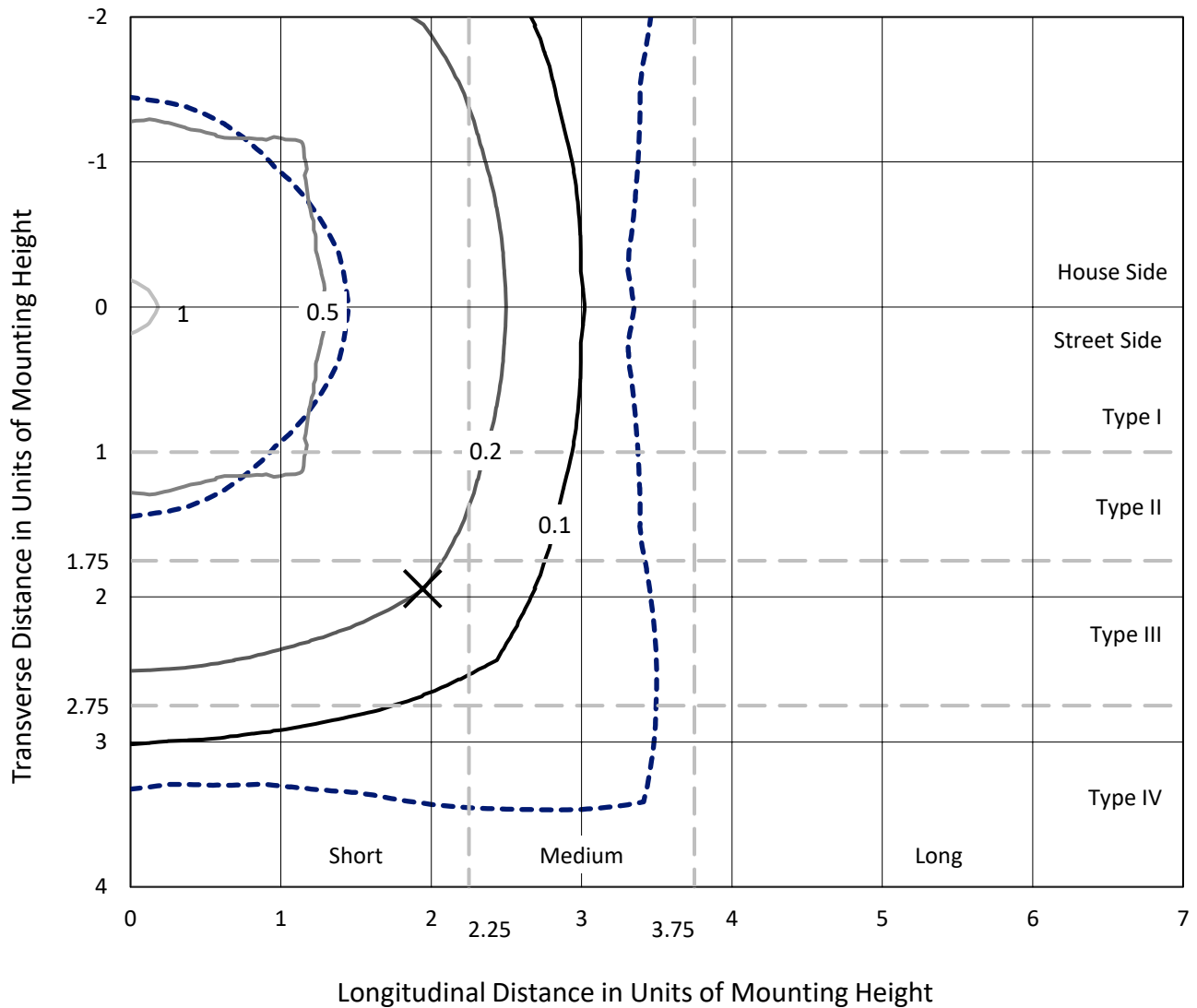
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P939370
 CATALOG NUMBER: GALN-SB1D-940-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

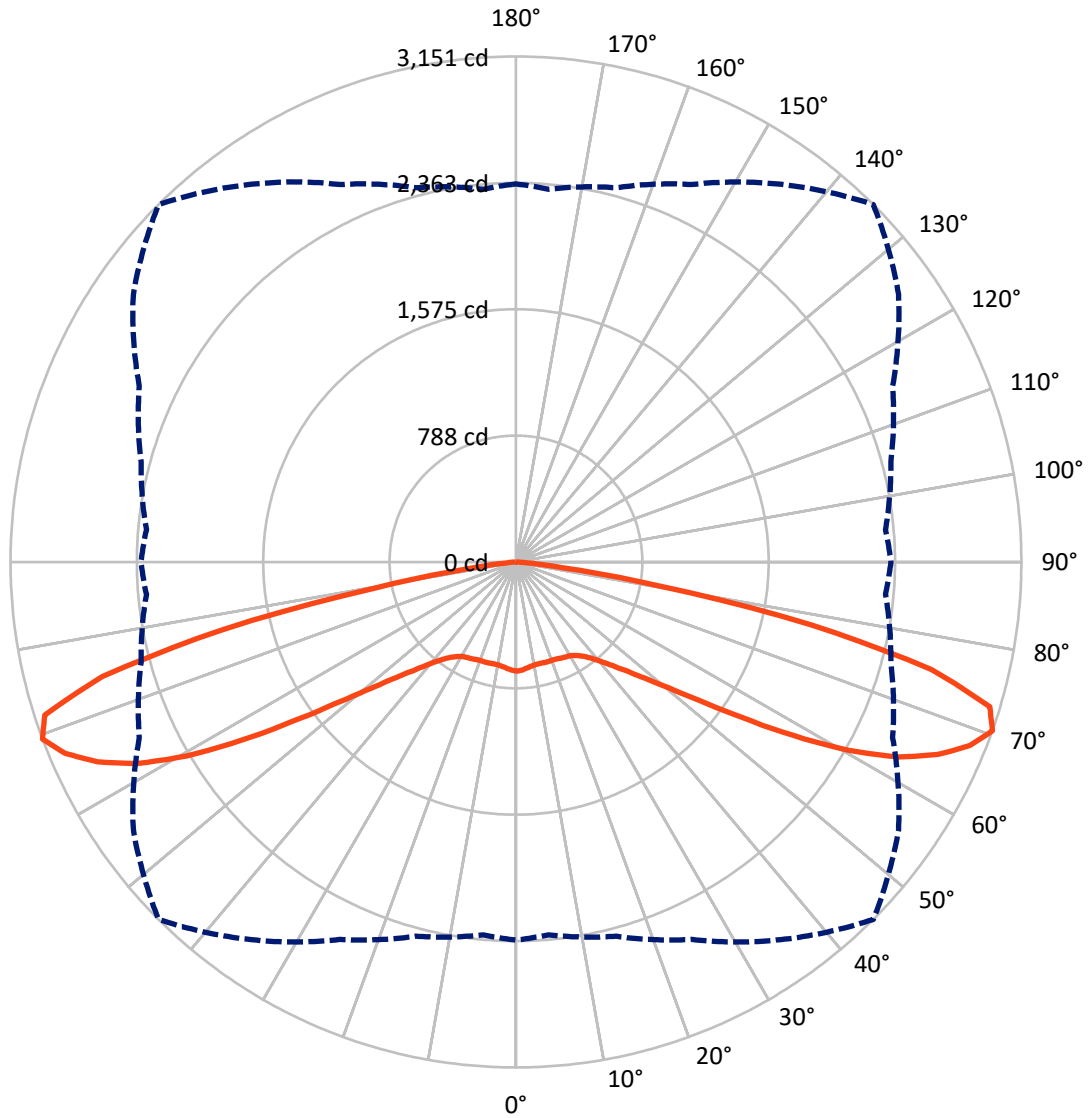
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P939370
CATALOG NUMBER: GALN-SB1D-940-U-5WQ

Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3730.5	0.0	3730.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3730.5	0.0	3730.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7461.0	0.0	7461.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.3	0.8
10°-20°	185.9	2.5
20°-30°	309.4	4.1
30°-40°	467.8	6.3
40°-50°	777.4	10.4
50°-60°	1467.0	19.7
60°-70°	2477.1	33.2
70°-80°	1627.7	21.8
80°-90°	85.3	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°	7461.0	100.0
0°-180°	7461.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939370

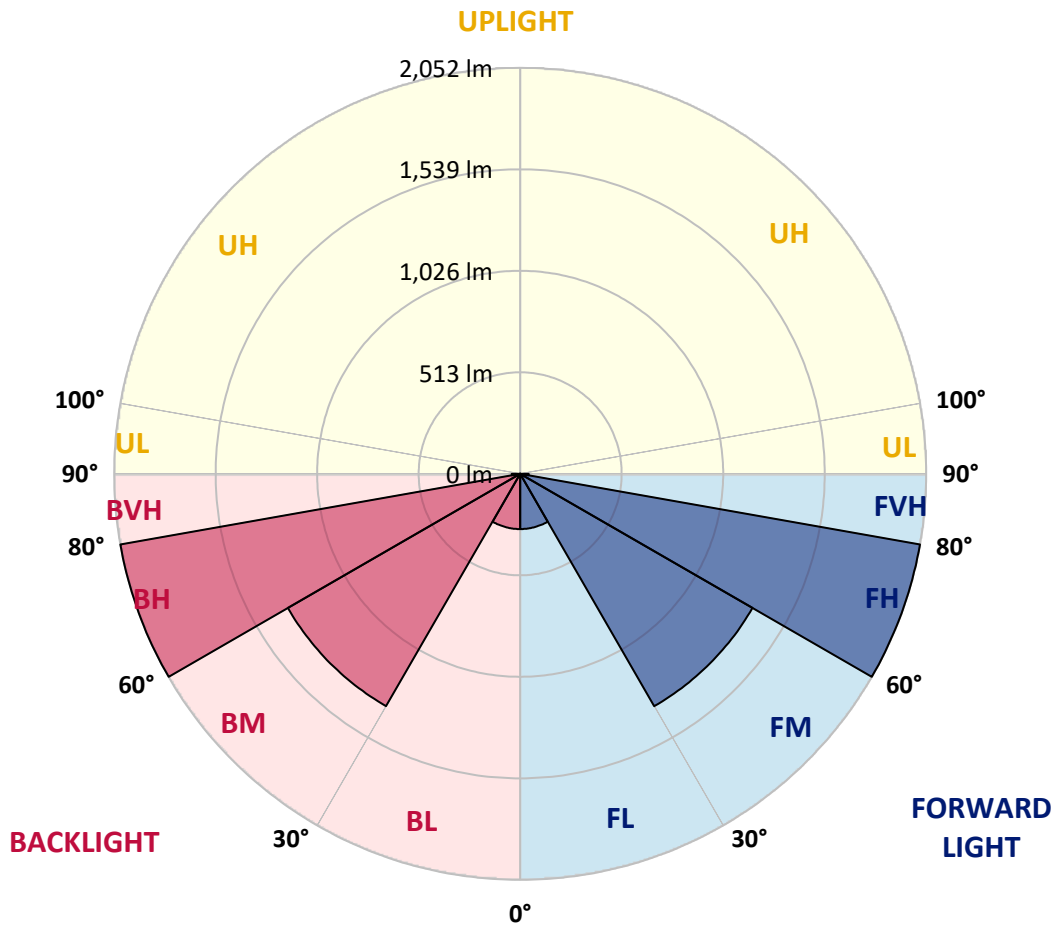
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	279.3	3.7			
FM (30°-60°)	1356.2	18.2			
FH (60°-80°)	2052.4	27.5			G2/5000
FVH (80°-90°)	42.6	0.6			G1/100
BL (0°-30°)	279.3	3.7	B1/500		
BM (30°-60°)	1356.2	18.2	B2/2500		
BH (60°-80°)	2052.4	27.5	B3/2500		G2/5000
BVH (80°-90°)	42.6	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: P939370

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6
2.5°	676.3	678.3	677.5	675.9	675.9	674.8	675.9	676.7	677.9	678.7
5°	667.4	669.0	668.6	667.4	667.8	666.6	667.4	668.6	669.3	669.7
7.5°	659.7	661.2	660.4	658.5	658.5	657.3	657.7	658.9	660.0	660.4
10°	657.7	659.3	656.9	653.8	652.7	651.1	651.5	652.7	655.0	656.2
12.5°	658.5	659.7	657.3	652.7	651.5	650.0	650.0	651.1	654.2	655.8
15°	660.8	662.0	658.5	653.4	652.3	651.1	650.7	652.3	655.8	658.5
17.5°	665.1	666.2	660.8	653.8	652.3	652.7	652.3	653.4	658.9	663.9
20°	669.0	669.7	662.4	653.8	652.3	652.7	652.3	654.6	661.6	668.6
22.5°	670.1	670.9	663.9	656.5	655.4	655.8	655.4	657.7	664.3	671.3
25°	670.5	671.7	666.2	660.4	662.4	663.1	662.4	662.8	667.8	674.0
27.5°	676.3	677.9	672.8	667.8	669.0	668.6	669.7	670.9	674.8	681.0
30°	688.3	689.5	685.2	680.2	679.4	676.7	680.2	684.1	688.3	693.8
32.5°	708.1	710.5	705.0	699.6	696.1	694.6	697.3	703.9	709.7	715.5
35°	741.1	742.6	737.6	727.5	721.3	721.3	723.6	732.2	741.5	748.8
37.5°	787.6	789.6	780.6	768.6	759.3	759.3	762.4	771.3	785.3	795.8
40°	844.2	847.0	835.7	823.3	814.4	812.8	816.7	826.8	840.0	853.2
42.5°	912.5	915.6	900.9	890.0	883.0	883.0	885.0	894.3	906.3	922.6
45°	999.8	1005.2	985.0	974.2	967.6	969.1	970.3	978.4	989.3	1007.9
47.5°	1103.7	1109.1	1087.8	1076.5	1075.4	1082.7	1078.1	1083.9	1089.7	1111.1
50°	1221.6	1230.9	1216.1	1215.4	1217.7	1231.3	1220.4	1223.5	1216.9	1230.5
52.5°	1365.8	1379.4	1376.7	1381.4	1407.3	1435.3	1410.4	1399.6	1374.8	1379.0
55°	1540.7	1561.3	1565.2	1593.1	1652.0	1709.0	1656.3	1612.5	1559.7	1550.0
57.5°	1739.7	1756.0	1774.6	1831.6	1941.7	2042.9	1941.7	1844.8	1761.8	1742.0
60°	1953.7	1973.9	1991.8	2075.9	2239.6	2381.9	2236.5	2082.5	1972.8	1946.0
62.5°	2183.7	2209.7	2222.1	2315.6	2506.4	2676.2	2509.1	2322.5	2200.8	2172.1
65°	2404.4	2425.7	2439.7	2539.3	2721.6	2891.8	2734.0	2550.2	2424.9	2387.3
67.5°	2507.1	2518.8	2552.9	2665.8	2858.1	3052.4	2890.7	2677.8	2537.8	2471.9
70°	2356.7	2333.0	2415.2	2596.0	2874.4	3150.9	2911.6	2590.5	2419.1	2312.1
72.5°	1821.1	1780.4	1923.1	2232.2	2688.2	3088.1	2706.9	2249.6	2011.9	1794.8
75°	990.8	944.7	1141.7	1532.6	2143.8	2676.6	2193.0	1576.4	1271.2	983.5
77.5°	279.6	262.2	421.2	741.5	1289.4	1879.3	1339.1	757.8	499.5	296.3
80°	85.7	83.0	112.5	223.4	547.6	900.1	526.2	226.1	143.1	90.4
82.5°	50.8	46.5	55.8	81.4	139.6	282.7	135.7	84.9	68.3	45.8
85°	29.1	27.1	33.0	39.6	46.9	60.1	39.2	40.3	36.5	24.4
87.5°	12.0	10.9	12.8	12.4	10.9	14.0	10.5	12.4	14.7	9.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
680.6
678.3
669.7
660.4
656.2
656.2
658.9
663.9
669.0
671.3
673.6
679.4
692.6
713.2
746.1
791.9
848.9
921.4
1007.1
1104.8
1222.4
1364.7
1534.9
1728.0
1922.7
2148.8
2368.7
2472.6
2337.7
1848.7
1047.5
329.2
95.4
49.6
25.6
8.9
0.0

OF REPORT)