

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: P939373

Luminaire Tested: **GALN-SB1D-940-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939373
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-940-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 4000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7297 lumens
Efficiency: N/A
Efficacy: 91.7 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

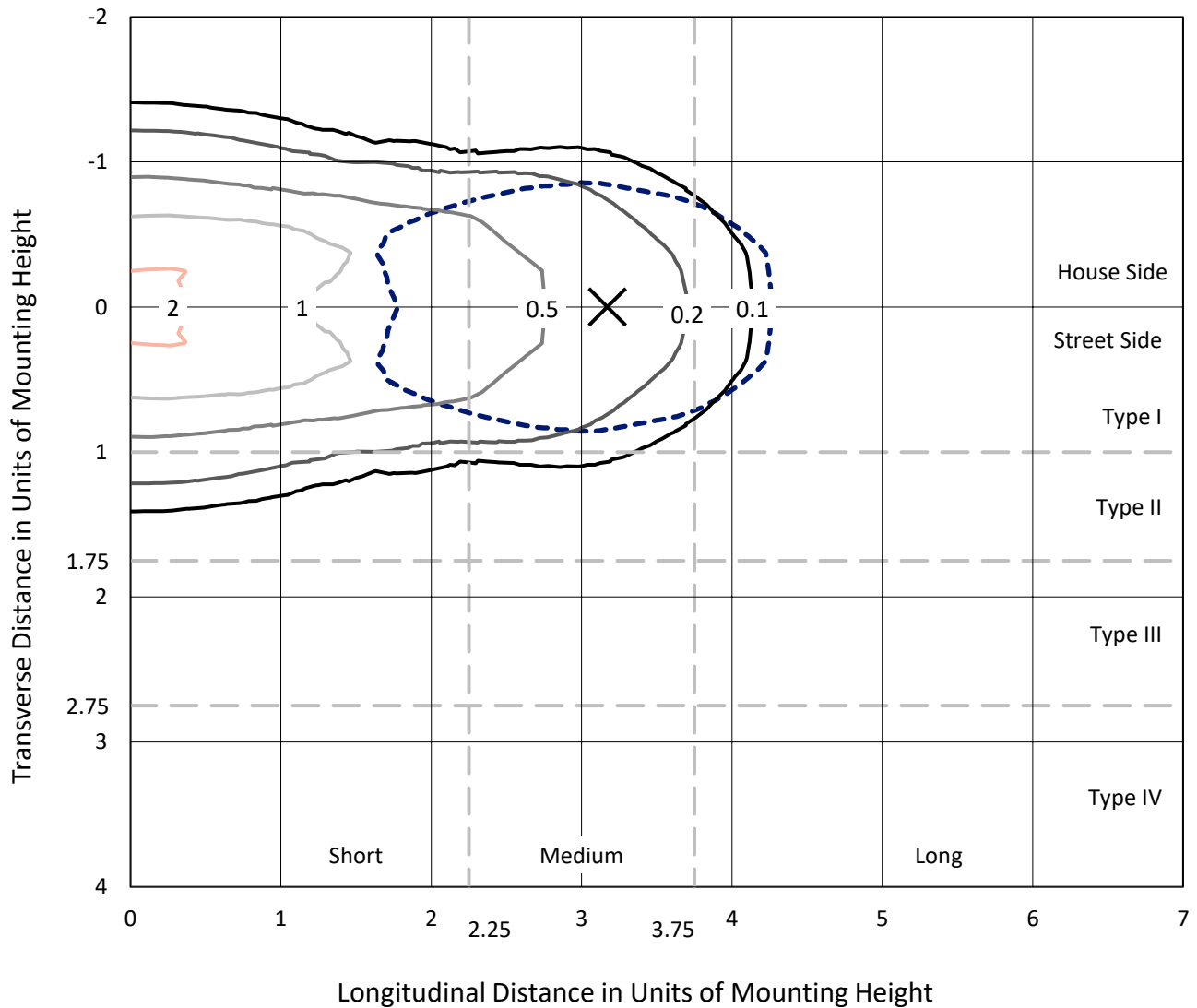
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

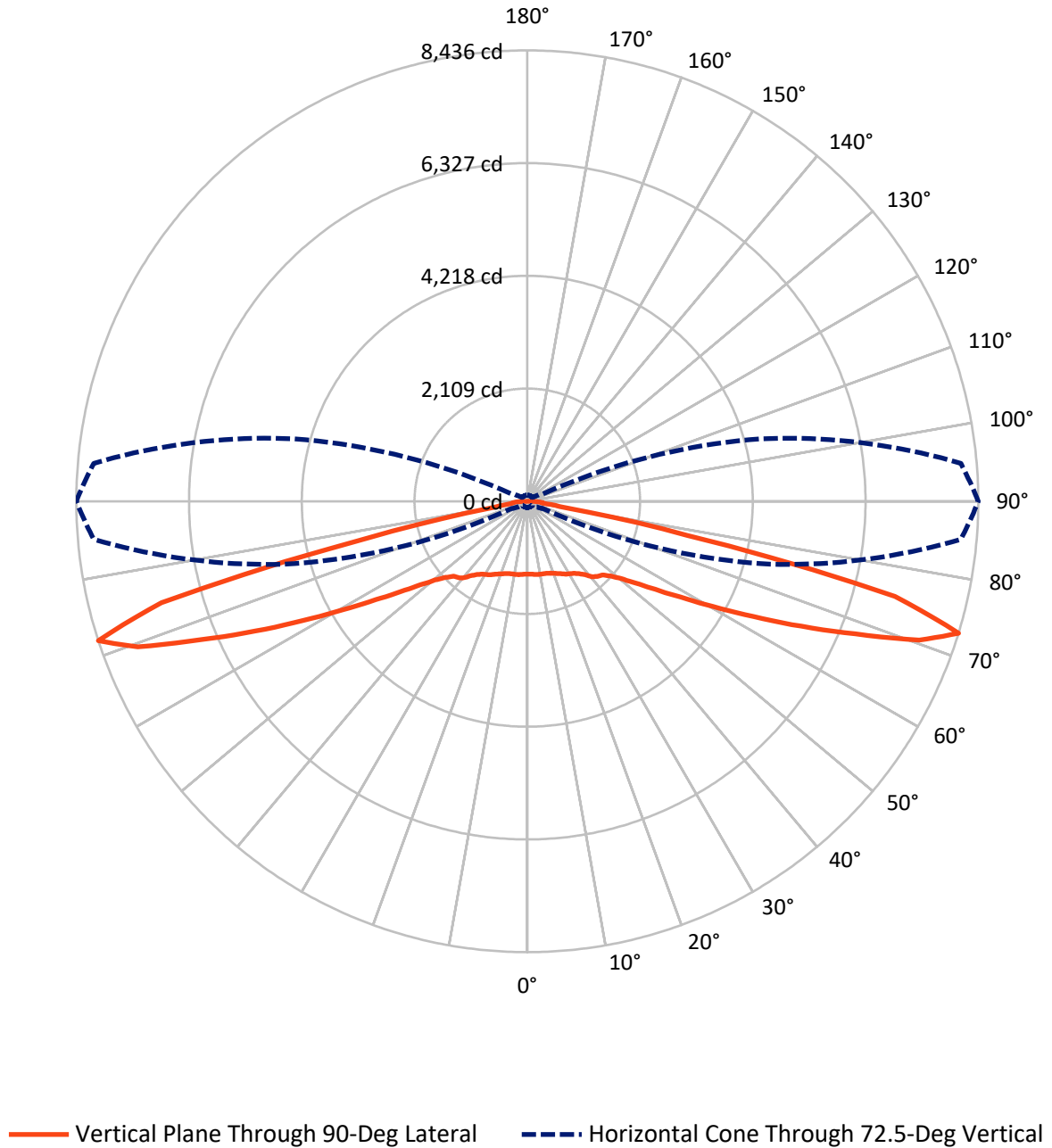
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type I - Short - N/A

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CATALOG NUMBER: GALN-SB1D-940-U-T1

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3648.5	0.0	3648.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3648.5	0.0	3648.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7297.0	0.0	7297.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.2	1.8
10°-20°	404.2	5.5
20°-30°	674.0	9.2
30°-40°	927.0	12.7
40°-50°	1132.1	15.5
50°-60°	1309.4	17.9
60°-70°	1561.3	21.4
70°-80°	1089.7	14.9
80°-90°	66.9	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°	7297.0	100.0
0°-180°	7297.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939373

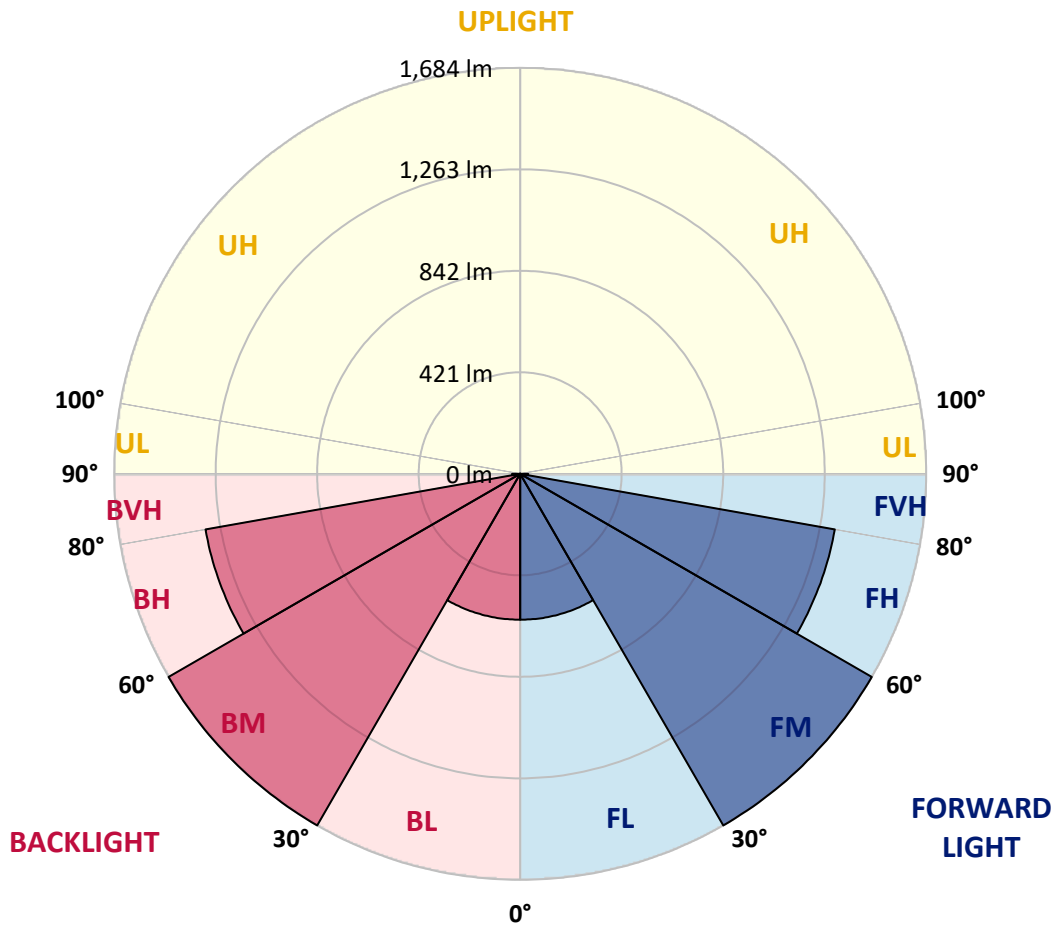
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	605.2	8.3			
FM (30°-60°)	1684.3	23.1			
FH (60°-80°)	1325.5	18.2			G1/1800
FVH (80°-90°)	33.5	0.5			G1/100
BL (0°-30°)	605.2	8.3	B2/1000		
BM (30°-60°)	1684.3	23.1	B2/2500		
BH (60°-80°)	1325.5	18.2	B3/2500		G3/2500
BVH (80°-90°)	33.5	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1363.5	1363.5	1363.5	1363.5	1363.5	1363.5	1363.5	1363.5	1363.5	1363.5
2.5°	1364.7	1366.2	1366.2	1365.1	1367.8	1365.5	1365.5	1364.3	1365.5	1364.3
5°	1371.7	1373.6	1374.4	1374.0	1377.5	1375.5	1375.5	1374.0	1374.4	1373.2
7.5°	1384.9	1387.6	1389.1	1391.1	1396.1	1393.8	1392.2	1387.6	1385.6	1382.5
10°	1389.1	1392.2	1397.3	1407.3	1419.0	1419.4	1414.7	1403.1	1394.2	1387.2
12.5°	1375.9	1380.2	1390.7	1411.2	1437.2	1447.7	1440.3	1420.9	1403.5	1391.1
15°	1359.3	1363.9	1379.8	1410.8	1449.2	1473.7	1472.9	1447.3	1419.4	1400.0
17.5°	1333.3	1337.9	1360.8	1404.2	1458.5	1498.9	1509.7	1483.4	1444.2	1418.2
20°	1286.3	1290.6	1322.4	1383.3	1461.6	1525.6	1553.9	1530.7	1481.8	1446.5
22.5°	1225.5	1232.1	1269.3	1347.2	1454.3	1553.5	1604.3	1588.4	1525.6	1476.8
25°	1160.3	1167.3	1210.7	1303.0	1435.3	1573.7	1664.1	1654.0	1575.3	1514.4
27.5°	1104.1	1111.4	1158.8	1259.2	1405.8	1581.5	1723.0	1728.1	1635.4	1555.9
30°	1059.9	1066.9	1117.3	1223.9	1367.8	1573.7	1774.6	1809.5	1696.6	1591.9
32.5°	1011.4	1020.3	1073.4	1180.9	1322.8	1555.1	1819.6	1897.5	1767.6	1630.7
35°	950.1	958.3	1014.1	1121.9	1263.9	1525.2	1857.2	1995.3	1869.2	1689.7
37.5°	875.7	883.4	938.9	1048.2	1205.3	1483.4	1885.9	2105.4	1990.2	1774.6
40°	800.8	808.2	860.2	966.0	1135.1	1429.8	1896.0	2213.2	2129.0	1891.3
42.5°	732.2	738.8	786.5	885.0	1056.4	1361.6	1882.8	2307.1	2253.5	1972.8
45°	669.0	674.8	717.1	809.0	974.6	1278.6	1843.2	2407.9	2401.7	2030.9
47.5°	596.8	602.6	646.5	735.3	892.7	1181.3	1776.1	2507.2	2607.6	2162.8
50°	508.8	513.8	558.8	650.3	807.8	1077.7	1683.1	2585.1	2867.4	2362.5
52.5°	404.5	409.9	453.7	545.3	707.0	966.4	1560.5	2635.9	3167.6	2654.1
55°	300.9	304.8	342.8	425.0	582.1	839.6	1407.0	2650.3	3508.1	3052.8
57.5°	218.3	220.7	245.1	306.4	441.3	681.0	1220.4	2613.0	3913.3	3563.9
60°	176.8	177.6	185.0	212.1	306.8	501.8	995.1	2485.1	4353.1	4222.8
62.5°	160.6	160.6	162.5	169.9	207.5	331.2	722.5	2219.8	4824.7	5055.4
65°	149.3	149.3	150.1	153.6	163.7	211.0	456.1	1787.8	5222.2	6030.8
67.5°	139.2	139.6	139.2	140.4	146.2	155.9	264.5	1234.8	5436.2	7041.4
70°	128.8	129.5	127.6	127.6	132.2	132.6	165.6	677.1	5258.6	7888.3
72.5°	116.3	117.5	114.4	113.6	117.1	115.6	124.5	325.0	4514.8	8141.2
75°	105.5	107.0	100.1	98.1	98.1	97.0	101.2	166.8	2930.3	6641.2
77.5°	95.8	98.9	87.6	81.4	79.9	76.4	82.6	102.0	1281.7	3118.0
80°	79.1	83.4	72.1	64.8	62.0	58.2	65.2	71.4	381.2	724.0
82.5°	58.9	60.9	51.2	46.1	43.8	41.1	48.9	49.6	124.1	256.3
85°	37.6	38.4	31.4	27.1	26.0	24.8	31.0	27.1	47.3	188.5
87.5°	13.2	15.1	12.0	10.9	11.6	9.7	14.3	8.1	13.2	133.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1363.5
1364.3
1373.2
1382.5
1386.0
1389.1
1396.9
1413.9
1439.9
1467.8
1502.0
1542.7
1572.9
1606.7
1662.9
1738.9
1853.3
1923.9
1965.0
2086.8
2267.1
2536.6
2905.8
3378.9
3989.7
4743.2
5636.0
6615.2
7776.3
8435.9
7103.4
3053.2
693.4
289.7
273.8
164.8
0.0

OF REPORT)