

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: P945965

Luminaire Tested: **GALN-SB1D-735-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945965
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1D-735-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10667 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

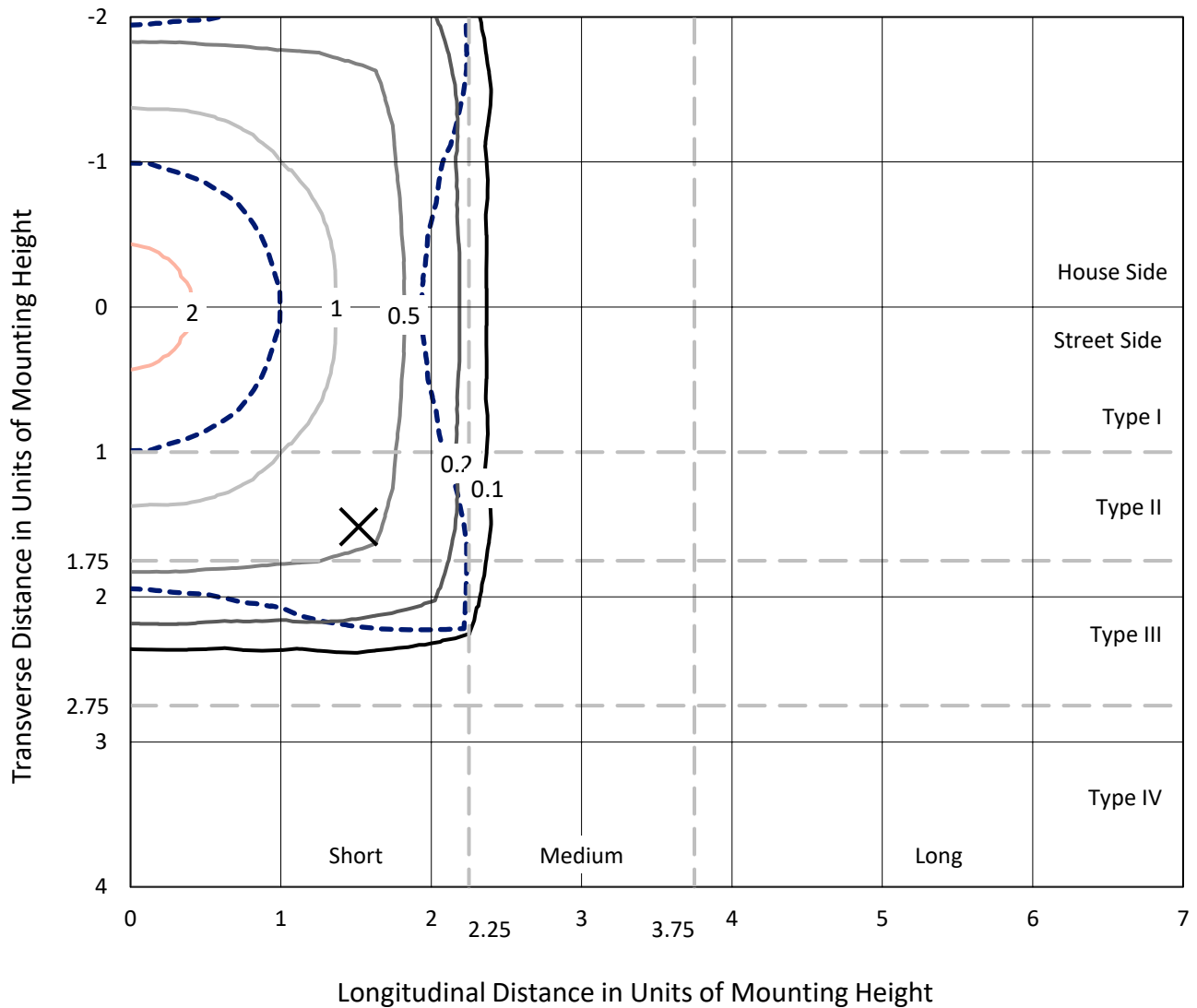
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P945965
 CATALOG NUMBER: GALN-SB1D-735-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

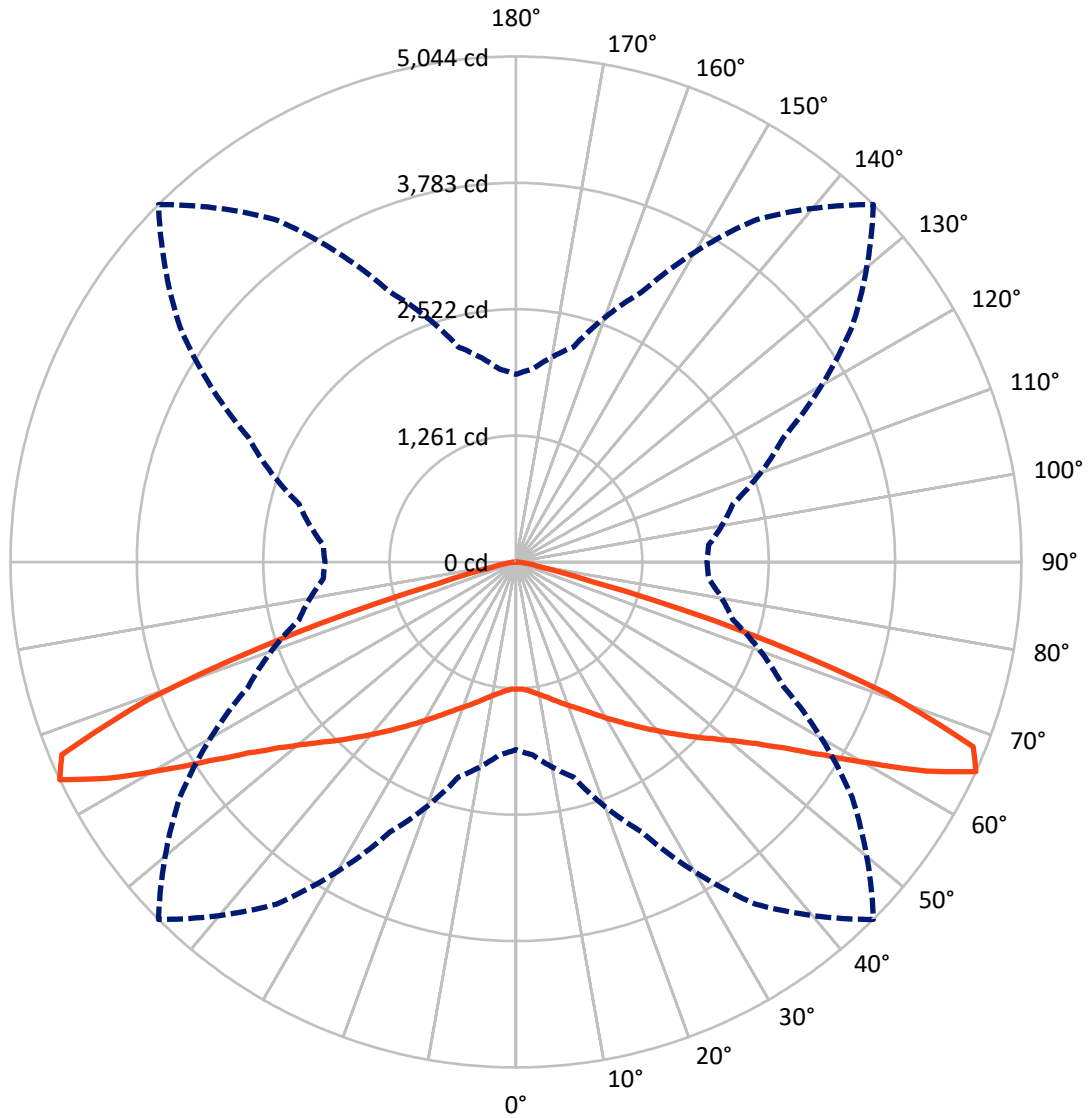
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P945965
CATALOG NUMBER: GALN-SB1D-735-U-5NQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P945965
 CATALOG NUMBER: GALN-SB1D-735-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5333.5	0.0	5333.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5333.5	0.0	5333.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10667.0	0.0	10667.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.3	1.2
10°-20°	408.8	3.8
20°-30°	771.9	7.2
30°-40°	1263.9	11.8
40°-50°	1959.8	18.4
50°-60°	2895.0	27.1
60°-70°	2755.7	25.8
70°-80°	444.7	4.2
80°-90°	41.9	0.4
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°	10667.0	100.0
0°-180°	10667.0	100.0

Coefficient of Utilization



REPORT NUMBER: P945965

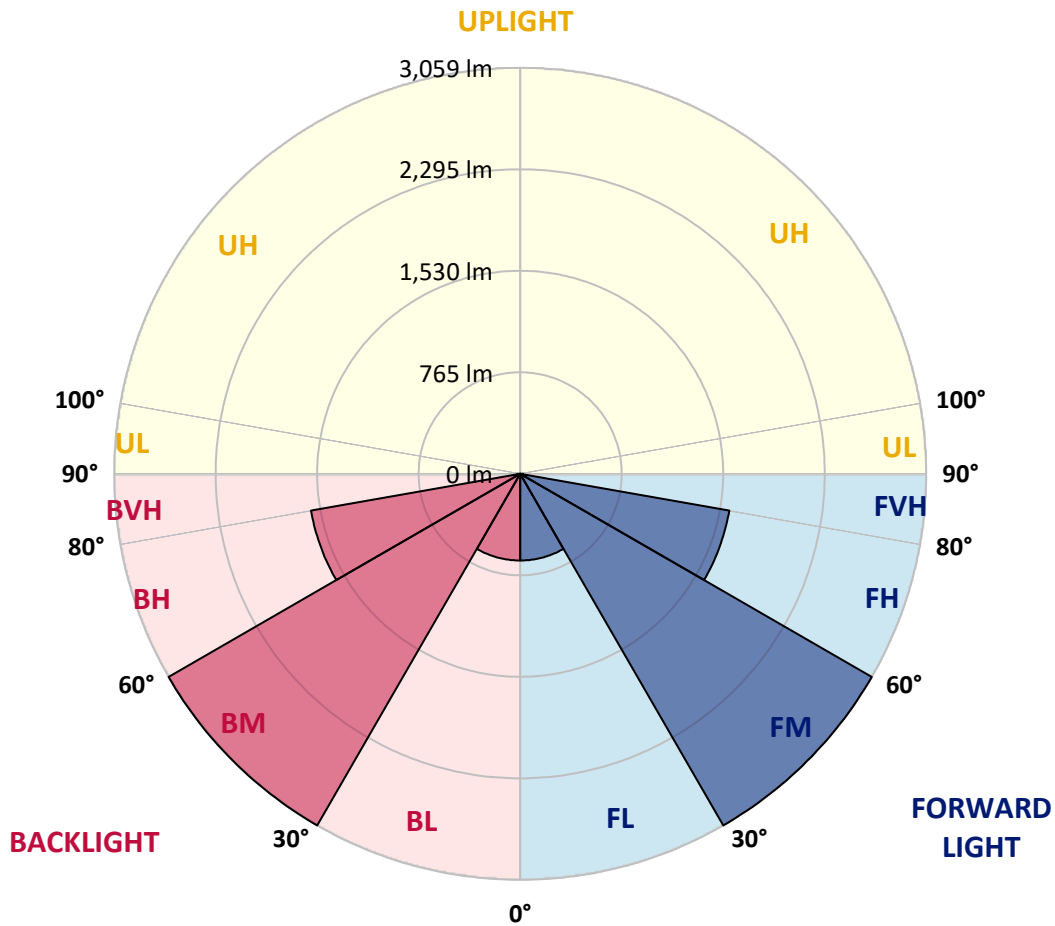
CATALOG NUMBER: GALN-SB1D-735-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	653.0	6.1			
FM (30°-60°)	3059.3	28.7			
FH (60°-80°)	1600.2	15.0			G1/1800
FVH (80°-90°)	21.0	0.2			G1/100
BL (0°-30°)	653.0	6.1	B2/1000		
BM (30°-60°)	3059.3	28.7	B3/5000		
BH (60°-80°)	1600.2	15.0	B3/2500		G1/1800
BVH (80°-90°)	21.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



REPORT NUMBER: P945965
 CATALOG NUMBER: GALN-SB1D-735-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5
2.5°	1278.0	1273.8	1277.0	1274.3	1272.2	1270.0	1271.1	1274.8	1276.4	1277.0
5°	1295.2	1291.4	1293.0	1293.0	1289.3	1288.2	1288.7	1291.4	1294.6	1294.6
7.5°	1323.0	1319.3	1323.0	1320.9	1317.6	1316.6	1316.0	1318.2	1323.0	1323.0
10°	1356.7	1352.4	1354.6	1353.5	1349.8	1348.2	1347.6	1350.8	1355.1	1354.6
12.5°	1393.6	1388.8	1391.5	1388.3	1387.2	1385.6	1385.6	1385.1	1387.8	1385.6
15°	1434.9	1431.6	1432.7	1430.6	1432.2	1431.1	1426.8	1424.7	1425.8	1422.5
17.5°	1483.6	1476.1	1479.8	1478.7	1478.7	1480.9	1473.9	1471.2	1473.4	1470.2
20°	1539.8	1532.3	1533.9	1531.7	1529.0	1531.2	1522.6	1524.8	1526.4	1524.2
22.5°	1601.3	1591.7	1591.1	1592.2	1586.3	1586.8	1581.0	1586.3	1589.5	1583.6
25°	1664.5	1654.3	1661.2	1658.6	1651.1	1652.7	1648.4	1653.7	1656.4	1648.9
27.5°	1731.4	1724.4	1730.8	1732.4	1723.3	1729.7	1723.3	1728.1	1730.8	1719.6
30°	1809.5	1802.5	1808.4	1812.7	1802.0	1812.2	1806.8	1810.0	1810.6	1797.2
32.5°	1894.6	1883.9	1898.9	1901.0	1889.2	1901.5	1894.6	1898.9	1901.5	1883.3
35°	1998.4	1985.0	2002.2	1999.5	1989.3	1999.5	1993.1	1999.5	2005.9	1984.0
37.5°	2110.3	2096.4	2114.6	2109.7	2100.1	2107.1	2103.3	2107.6	2117.8	2094.2
40°	2233.4	2216.2	2240.9	2232.3	2223.2	2222.1	2224.3	2226.9	2240.3	2214.1
42.5°	2365.0	2346.8	2383.8	2370.4	2357.5	2349.0	2355.9	2361.3	2374.1	2344.7
45°	2515.4	2494.5	2542.7	2526.6	2506.3	2488.7	2499.9	2507.9	2526.6	2491.3
47.5°	2681.3	2657.8	2709.2	2704.3	2671.2	2632.6	2658.3	2681.3	2695.2	2652.4
50°	2843.5	2825.3	2892.7	2898.6	2857.9	2803.9	2839.7	2874.5	2878.3	2822.1
52.5°	2995.5	2977.3	3075.2	3112.2	3075.8	3011.5	3049.5	3084.9	3056.5	2983.7
55°	3117.0	3102.0	3226.7	3321.9	3334.3	3281.3	3303.8	3302.7	3209.6	3097.7
57.5°	3146.4	3144.3	3301.6	3503.4	3631.8	3638.2	3593.8	3480.4	3279.7	3129.3
60°	3012.6	3026.0	3242.2	3598.1	3940.6	4083.0	3890.9	3567.1	3199.9	2991.2
62.5°	2612.3	2647.6	2908.2	3482.5	4190.0	4594.6	4129.0	3435.4	2872.4	2600.0
65°	1872.1	1933.7	2221.6	2971.9	4167.6	5044.2	4094.8	2947.8	2243.0	1928.8
67.5°	849.4	912.0	1156.6	2034.8	3622.7	4922.2	3614.2	2056.2	1214.4	915.2
70°	307.7	318.4	397.1	814.6	2315.2	3921.9	2414.3	820.5	422.3	339.3
72.5°	186.2	187.9	204.4	291.7	804.4	2381.1	838.6	301.3	208.7	185.2
75°	118.3	117.2	145.6	178.2	285.3	803.3	299.2	178.2	145.0	132.2
77.5°	85.1	87.8	104.4	133.3	179.8	272.4	176.6	127.4	104.4	85.6
80°	63.7	65.3	76.0	103.8	126.3	169.7	112.4	94.2	78.7	53.5
82.5°	46.0	46.0	49.8	75.5	77.1	91.5	61.0	66.4	51.9	38.0
85°	27.3	26.8	31.0	45.0	40.1	33.7	27.8	40.7	32.6	23.5
87.5°	9.6	10.2	9.6	12.8	10.7	9.1	8.6	11.2	9.1	8.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1269.5
1277.0
1294.6
1321.4
1353.5
1386.7
1423.1
1472.9
1529.0
1589.5
1657.5
1728.1
1805.2
1895.7
1997.3
2108.7
2222.7
2360.2
2509.5
2666.9
2829.0
2985.8
3101.4
3119.6
2966.6
2583.9
1905.8
901.8
335.0
188.4
133.3
87.2
55.1
38.0
23.0
7.5
0.0

OF REPORT)