

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: P946091

Luminaire Tested: **GALN-SB1D-835-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946091
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-835-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9894 lumens
Efficiency: N/A
Efficacy: 124.3 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

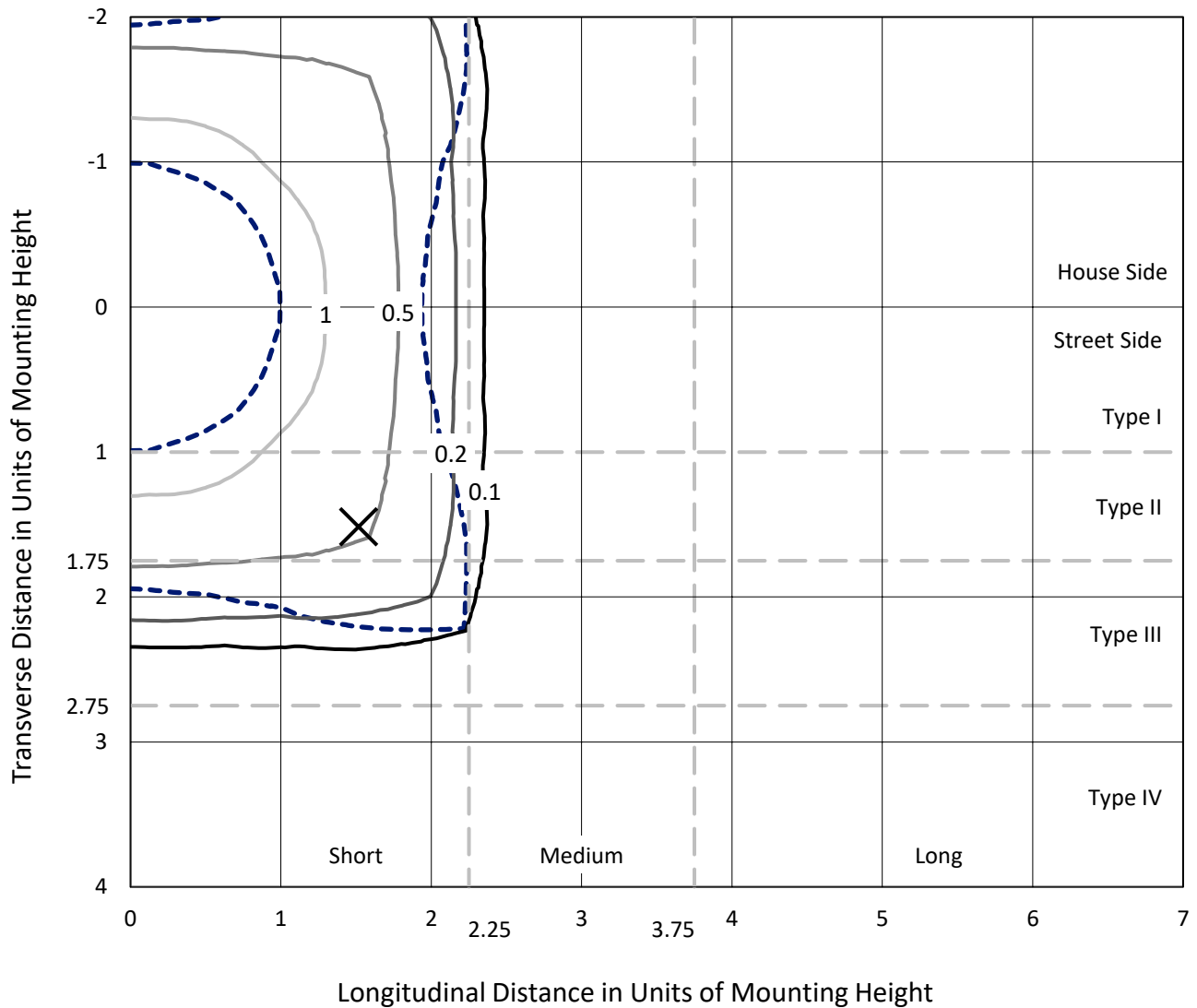
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P946091
 CATALOG NUMBER: GALN-SB1D-835-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

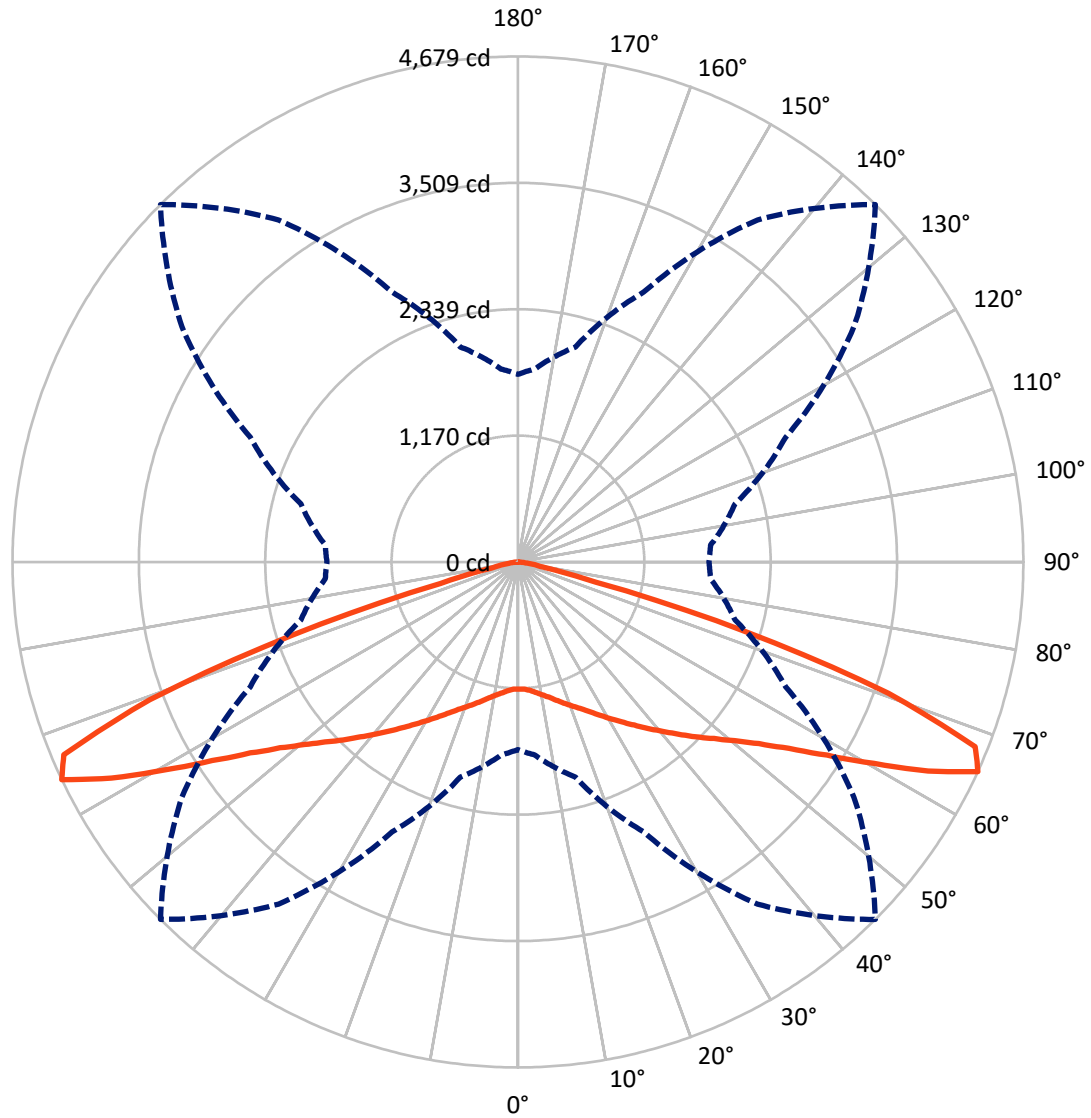
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - N/A

REPORT NUMBER: P946091
CATALOG NUMBER: GALN-SB1D-835-U-5NQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P946091
 CATALOG NUMBER: GALN-SB1D-835-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4947.0	0.0	4947.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4947.0	0.0	4947.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9894.0	0.0	9894.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.2	1.2
10°-20°	379.2	3.8
20°-30°	716.0	7.2
30°-40°	1172.4	11.8
40°-50°	1817.7	18.4
50°-60°	2685.2	27.1
60°-70°	2556.0	25.8
70°-80°	412.4	4.2
80°-90°	38.9	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°	9894.0	100.0
0°-180°	9894.0	100.0

Coefficient of Utilization

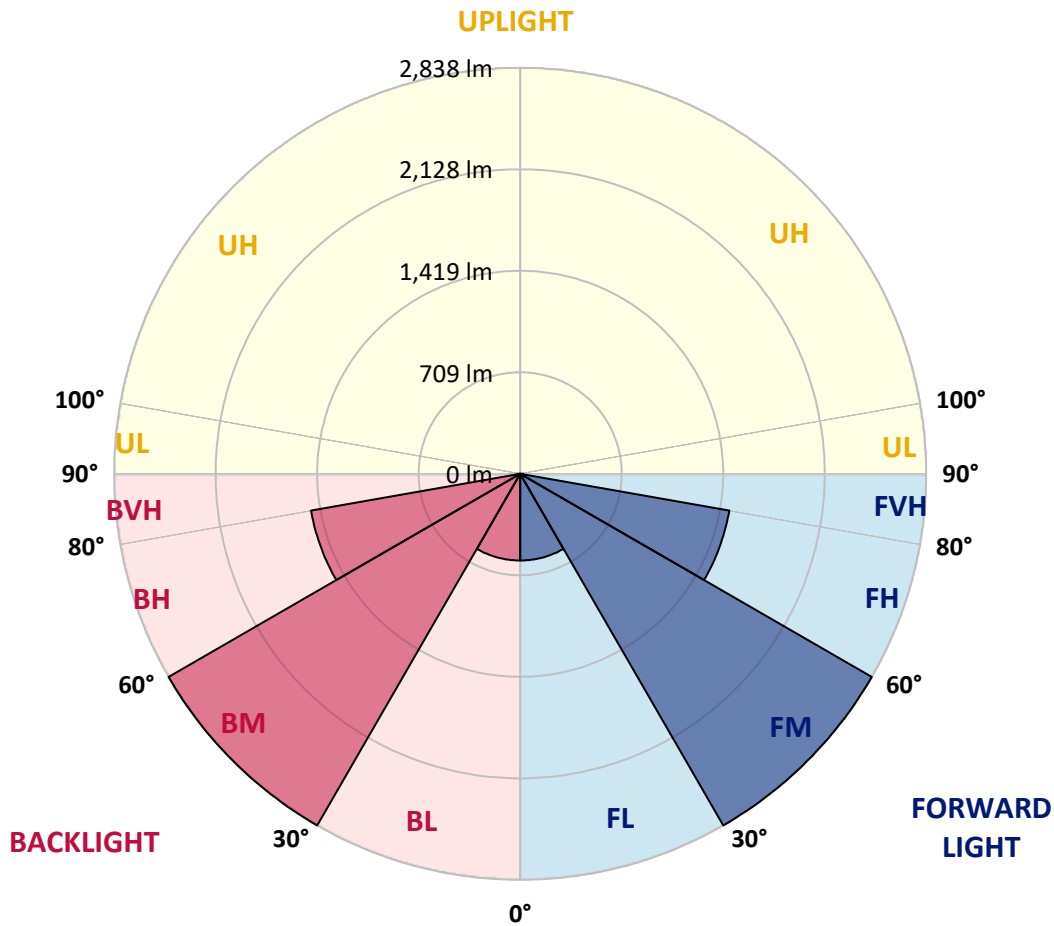


REPORT NUMBER: P946091
 CATALOG NUMBER: GALN-SB1D-835-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	605.7	6.1			
FM (30°-60°)	2837.6	28.7			
FH (60°-80°)	1484.2	15.0			G1/1800
FVH (80°-90°)	19.4	0.2			G1/100
BL (0°-30°)	605.7	6.1	B2/1000		
BM (30°-60°)	2837.6	28.7	B3/5000		
BH (60°-80°)	1484.2	15.0	B3/2500		G1/1800
BVH (80°-90°)	19.4	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: P946091
 CATALOG NUMBER: GALN-SB1D-835-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5	1177.5
2.5°	1185.4	1181.5	1184.4	1182.0	1180.0	1178.0	1179.0	1182.4	1183.9	1184.4
5°	1201.3	1197.8	1199.3	1199.3	1195.9	1194.9	1195.4	1197.8	1200.8	1200.8
7.5°	1227.1	1223.7	1227.1	1225.1	1222.2	1221.2	1220.7	1222.7	1227.1	1227.1
10°	1258.4	1254.4	1256.4	1255.4	1251.9	1250.5	1250.0	1252.9	1256.9	1256.4
12.5°	1292.7	1288.2	1290.7	1287.7	1286.7	1285.2	1285.2	1284.7	1287.2	1285.2
15°	1330.9	1327.9	1328.9	1326.9	1328.4	1327.4	1323.4	1321.4	1322.4	1319.5
17.5°	1376.0	1369.1	1372.6	1371.6	1371.6	1373.6	1367.1	1364.6	1366.6	1363.6
20°	1428.2	1421.2	1422.7	1420.7	1418.2	1420.2	1412.3	1414.3	1415.8	1413.8
22.5°	1485.3	1476.3	1475.8	1476.8	1471.4	1471.9	1466.4	1471.4	1474.3	1468.9
25°	1543.8	1534.4	1540.9	1538.4	1531.4	1532.9	1528.9	1533.9	1536.4	1529.4
27.5°	1605.9	1599.4	1605.4	1606.9	1598.4	1604.4	1598.4	1602.9	1605.4	1595.0
30°	1678.4	1671.9	1677.4	1681.3	1671.4	1680.8	1675.9	1678.9	1679.4	1666.9
32.5°	1757.3	1747.4	1761.3	1763.2	1752.3	1763.7	1757.3	1761.3	1763.7	1746.9
35°	1853.6	1841.2	1857.1	1854.6	1845.2	1854.6	1848.6	1854.6	1860.5	1840.2
37.5°	1957.3	1944.4	1961.3	1956.8	1947.9	1954.4	1950.9	1954.9	1964.3	1942.5
40°	2071.5	2055.6	2078.5	2070.5	2062.1	2061.1	2063.1	2065.6	2078.0	2053.6
42.5°	2193.6	2176.8	2211.0	2198.6	2186.7	2178.7	2185.2	2190.2	2202.1	2174.8
45°	2333.1	2313.8	2358.4	2343.6	2324.7	2308.3	2318.7	2326.2	2343.6	2310.8
47.5°	2487.0	2465.2	2512.8	2508.4	2477.6	2441.8	2465.7	2487.0	2499.9	2460.2
50°	2637.4	2620.5	2683.1	2688.6	2650.8	2600.7	2634.0	2666.2	2669.7	2617.6
52.5°	2778.4	2761.5	2852.4	2886.6	2852.9	2793.3	2828.5	2861.3	2835.0	2767.5
55°	2891.1	2877.2	2992.9	3081.2	3092.6	3043.5	3064.3	3063.3	2977.0	2873.2
57.5°	2918.4	2916.4	3062.4	3249.5	3368.6	3374.6	3333.4	3228.2	3042.0	2902.5
60°	2794.3	2806.7	3007.3	3337.4	3655.1	3787.1	3608.9	3308.6	2968.0	2774.4
62.5°	2423.0	2455.7	2697.5	3230.1	3886.4	4261.7	3829.8	3186.5	2664.2	2411.6
65°	1736.4	1793.5	2060.6	2756.6	3865.5	4678.7	3798.0	2734.2	2080.5	1789.1
67.5°	787.8	845.9	1072.7	1887.4	3360.2	4565.5	3352.3	1907.2	1126.4	848.9
70°	285.4	295.4	368.3	755.5	2147.5	3637.7	2239.3	761.0	391.7	314.7
72.5°	172.8	174.2	189.6	270.5	746.1	2208.5	777.9	279.5	193.6	171.8
75°	109.7	108.7	135.0	165.3	264.6	745.1	277.5	165.3	134.5	122.6
77.5°	78.9	81.4	96.8	123.6	166.8	252.7	163.8	118.1	96.8	79.4
80°	59.1	60.6	70.5	96.3	117.2	157.4	104.2	87.4	73.0	49.6
82.5°	42.7	42.7	46.2	70.0	71.5	84.9	56.6	61.6	48.2	35.2
85°	25.3	24.8	28.8	41.7	37.2	31.3	25.8	37.7	30.3	21.8
87.5°	8.9	9.4	8.9	11.9	9.9	8.4	7.9	10.4	8.4	7.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

<u>90°</u>
1177.5
1184.4
1200.8
1225.6
1255.4
1286.2
1320.0
1366.1
1418.2
1474.3
1537.4
1602.9
1674.4
1758.3
1852.6
1955.9
2061.6
2189.2
2327.7
2473.6
2624.0
2769.5
2876.7
2893.6
2751.6
2396.7
1767.7
836.5
310.8
174.7
123.6
80.9
51.1
35.2
21.3
6.9
0.0

OF REPORT)