

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: P939820

Luminaire Tested: **GALN-SB2C-835-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939820
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-SB2C-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14051 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

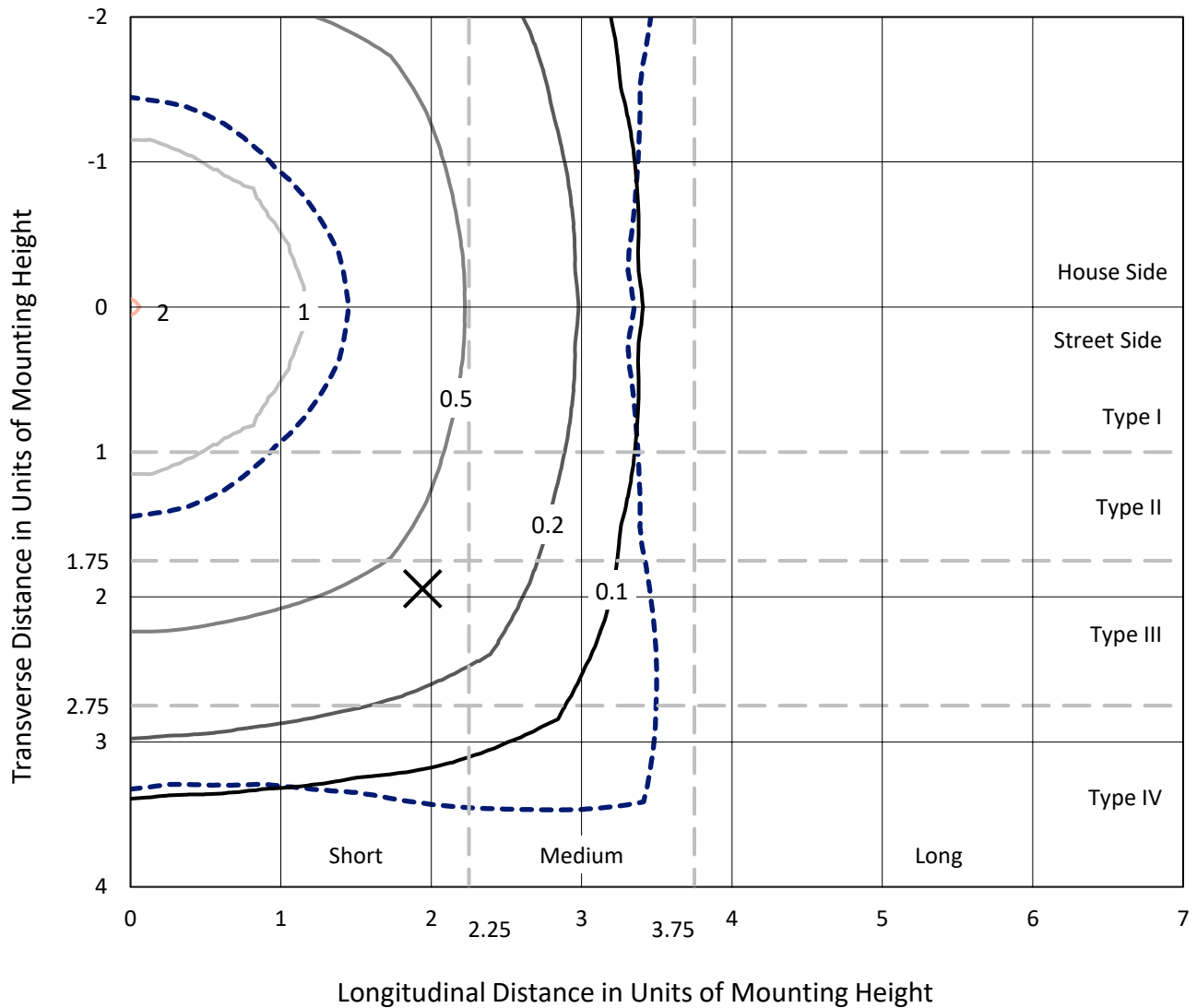
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P939820
 CATALOG NUMBER: GALN-SB2C-835-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

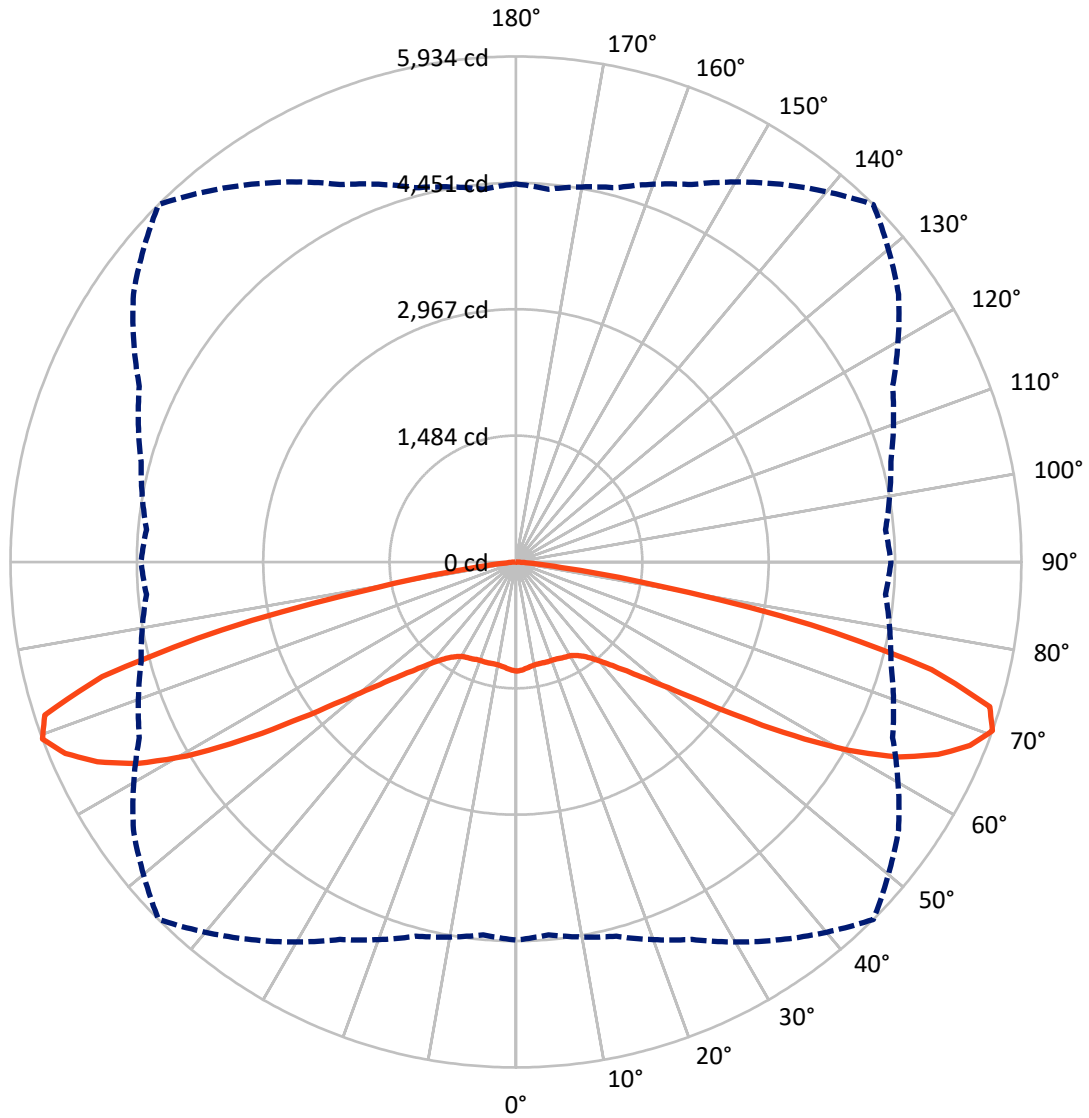
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P939820
CATALOG NUMBER: GALN-SB2C-835-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P939820

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7025.5	0.0	7025.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7025.5	0.0	7025.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14051.0	0.0	14051.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.2	0.8
10°-20°	350.1	2.5
20°-30°	582.6	4.1
30°-40°	881.1	6.3
40°-50°	1464.1	10.4
50°-60°	2762.8	19.7
60°-70°	4665.1	33.2
70°-80°	3065.4	21.8
80°-90°	160.6	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°	14051.0	100.0
0°-180°	14051.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939820

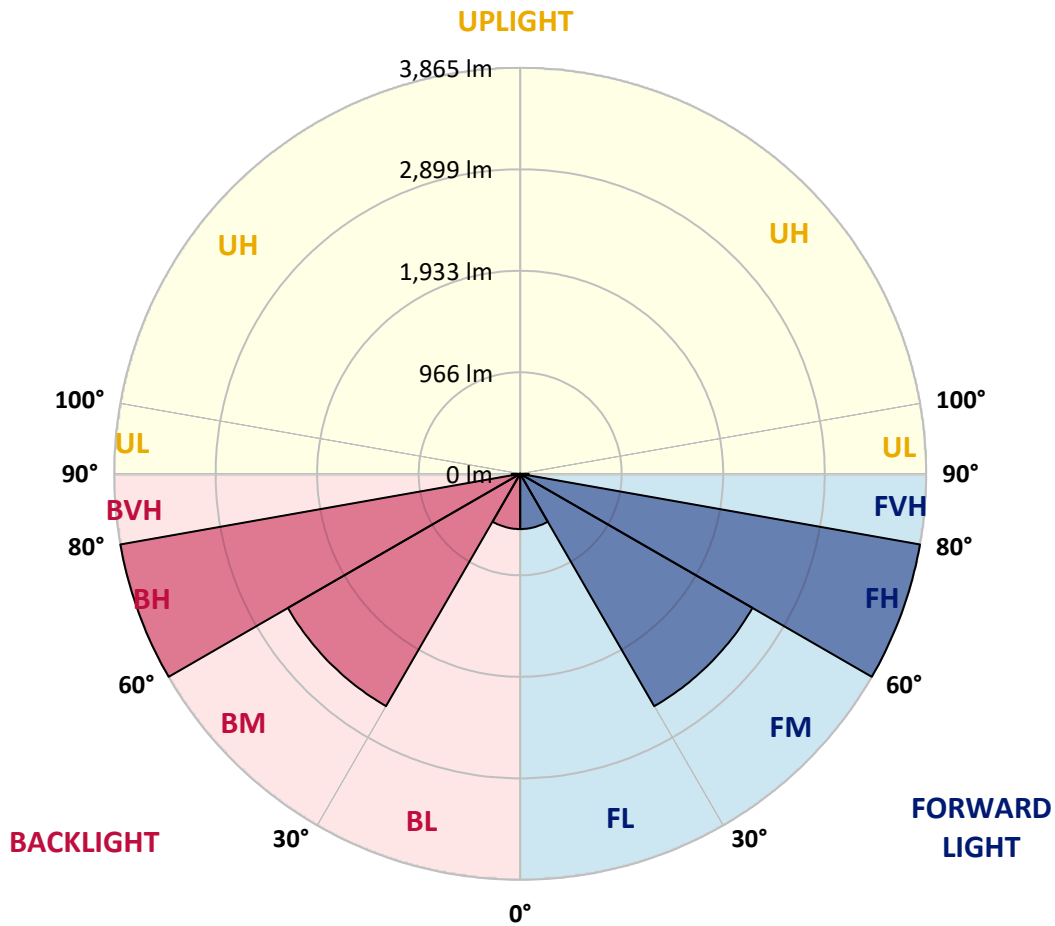
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	526.0	3.7			
FM (30°-60°)	2554.0	18.2			
FH (60°-80°)	3865.2	27.5			G2/5000
FVH (80°-90°)	80.3	0.6			G1/100
BL (0°-30°)	526.0	3.7	B2/1000		
BM (30°-60°)	2554.0	18.2	B3/5000		
BH (60°-80°)	3865.2	27.5	B4/5000		G2/5000
BVH (80°-90°)	80.3	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



REPORT NUMBER: P939820

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1281.7	1281.7	1281.7	1281.7	1281.7	1281.7	1281.7	1281.7	1281.7	1281.7
2.5°	1273.7	1277.4	1275.9	1273.0	1273.0	1270.8	1273.0	1274.4	1276.6	1278.1
5°	1256.9	1259.8	1259.1	1256.9	1257.6	1255.4	1256.9	1259.1	1260.6	1261.3
7.5°	1242.3	1245.2	1243.8	1240.1	1240.1	1237.9	1238.6	1240.8	1243.0	1243.8
10°	1238.6	1241.6	1237.2	1231.3	1229.2	1226.2	1227.0	1229.2	1233.5	1235.7
12.5°	1240.1	1242.3	1237.9	1229.2	1227.0	1224.0	1224.0	1226.2	1232.1	1235.0
15°	1244.5	1246.7	1240.1	1230.6	1228.4	1226.2	1225.5	1228.4	1235.0	1240.1
17.5°	1252.5	1254.7	1244.5	1231.3	1228.4	1229.2	1228.4	1230.6	1240.8	1250.3
20°	1259.8	1261.3	1247.4	1231.3	1228.4	1229.2	1228.4	1232.8	1245.9	1259.1
22.5°	1262.0	1263.5	1250.3	1236.5	1234.3	1235.0	1234.3	1238.6	1251.1	1264.2
25°	1262.7	1264.9	1254.7	1243.8	1247.4	1248.9	1247.4	1248.1	1257.6	1269.3
27.5°	1273.7	1276.6	1267.1	1257.6	1259.8	1259.1	1261.3	1263.5	1270.8	1282.5
30°	1296.3	1298.5	1290.5	1281.0	1279.5	1274.4	1281.0	1288.3	1296.3	1306.6
32.5°	1333.6	1338.0	1327.7	1317.5	1310.9	1308.0	1313.1	1325.6	1336.5	1347.5
35°	1395.7	1398.6	1389.1	1370.1	1358.4	1358.4	1362.8	1378.9	1396.4	1410.3
37.5°	1483.3	1487.0	1470.2	1447.5	1430.0	1430.0	1435.8	1452.6	1478.9	1498.6
40°	1589.9	1595.0	1573.9	1550.5	1533.7	1530.8	1538.1	1557.1	1581.9	1606.7
42.5°	1718.5	1724.3	1696.6	1676.1	1663.0	1663.0	1666.6	1684.1	1706.8	1737.5
45°	1882.8	1893.0	1855.0	1834.6	1822.2	1825.1	1827.3	1842.6	1863.1	1898.1
47.5°	2078.5	2088.8	2048.6	2027.4	2025.2	2039.1	2030.3	2041.3	2052.2	2092.4
50°	2300.5	2318.1	2290.3	2288.9	2293.2	2318.8	2298.4	2304.2	2291.8	2317.3
52.5°	2572.2	2597.8	2592.7	2601.4	2650.4	2703.0	2656.2	2635.8	2589.0	2597.1
55°	2901.6	2940.3	2947.6	3000.2	3111.2	3218.6	3119.3	3036.7	2937.4	2919.1
57.5°	3276.3	3306.9	3342.0	3449.4	3656.8	3847.4	3656.8	3474.2	3317.9	3280.7
60°	3679.4	3717.4	3751.0	3909.5	4217.7	4485.7	4211.8	3921.9	3715.2	3664.8
62.5°	4112.5	4161.4	4184.8	4360.8	4720.1	5040.0	4725.3	4374.0	4144.6	4090.6
65°	4528.1	4568.2	4594.5	4782.2	5125.5	5446.1	5148.8	4802.7	4566.8	4495.9
67.5°	4721.6	4743.5	4807.8	5020.3	5382.6	5748.4	5443.9	5042.9	4779.3	4655.1
70°	4438.2	4393.7	4548.5	4888.8	5413.2	5934.0	5483.3	4878.6	4555.8	4354.2
72.5°	3429.6	3353.0	3621.7	4203.8	5062.7	5815.6	5097.7	4236.7	3789.0	3380.0
75°	1866.0	1779.1	2150.1	2886.3	4037.3	5040.8	4130.0	2968.8	2394.0	1852.1
77.5°	526.6	493.7	793.1	1396.4	2428.4	3539.2	2521.8	1427.1	940.7	558.0
80°	161.4	156.3	211.8	420.7	1031.2	1695.1	991.1	425.8	269.5	170.2
82.5°	95.7	87.6	105.2	153.4	262.9	532.4	255.6	159.9	128.5	86.2
85°	54.8	51.1	62.1	74.5	88.4	113.2	73.8	76.0	68.7	46.0
87.5°	22.6	20.4	24.1	23.4	20.4	26.3	19.7	23.4	27.8	18.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1281.7
1277.4
1261.3
1243.8
1235.7
1235.7
1240.8
1250.3
1259.8
1264.2
1268.6
1279.5
1304.4
1343.1
1405.2
1491.3
1598.7
1735.3
1896.7
2080.7
2302.0
2570.0
2890.7
3254.4
3621.0
4046.8
4460.9
4656.6
4402.4
3481.5
1972.6
620.1
179.7
93.5
48.2
16.8
0.0

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