

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: P947162

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

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947162  
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-SB2C-835-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

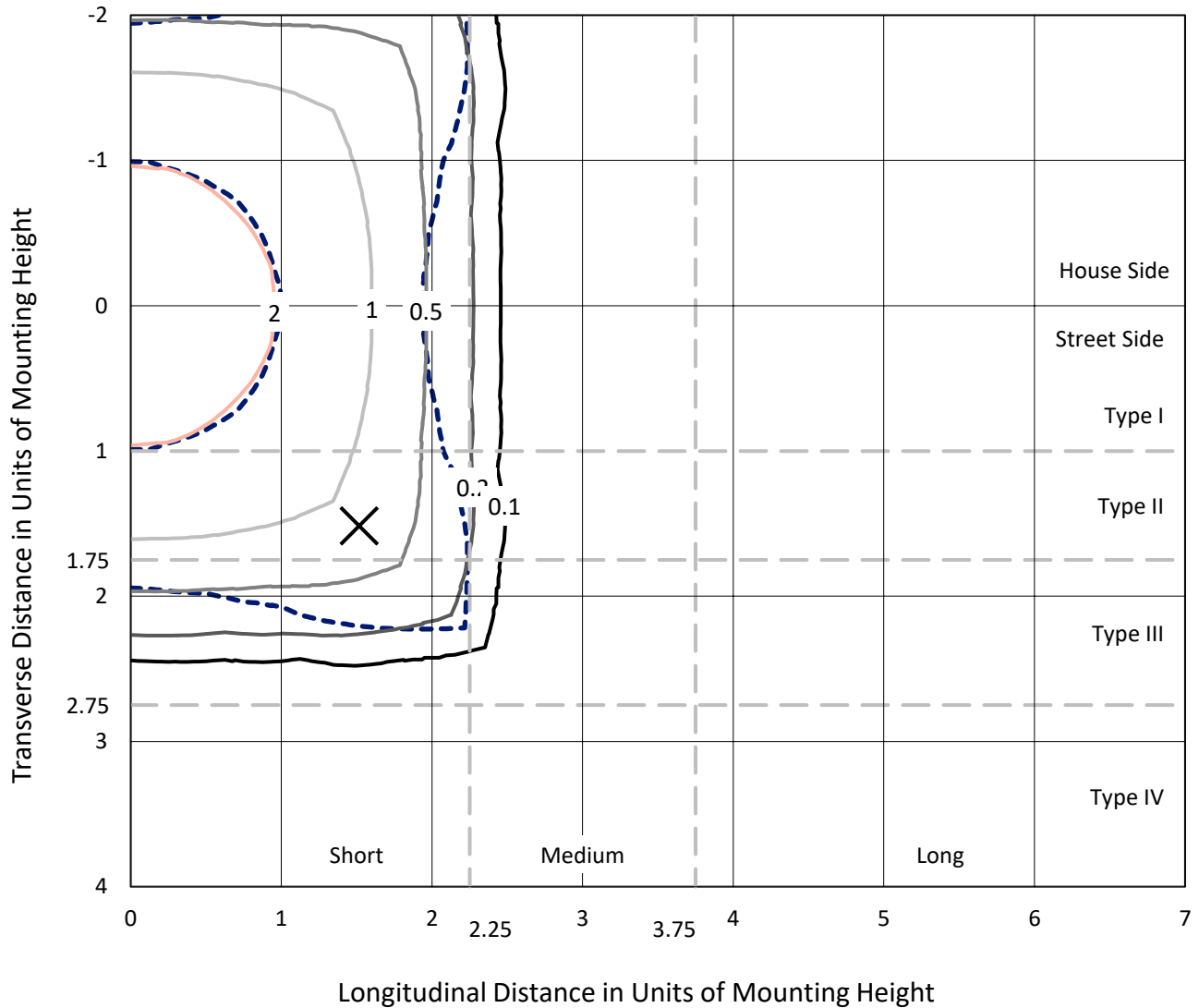
Lumens per Lamp: N/A  
Luminaire Lumens: 14557 lumens  
Efficiency: N/A  
Efficacy: 144.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P947162  
 CATALOG NUMBER: GALN-SB2C-835-U-5NQ

### Iso-Footcandle Lines of Horizontal Illumination

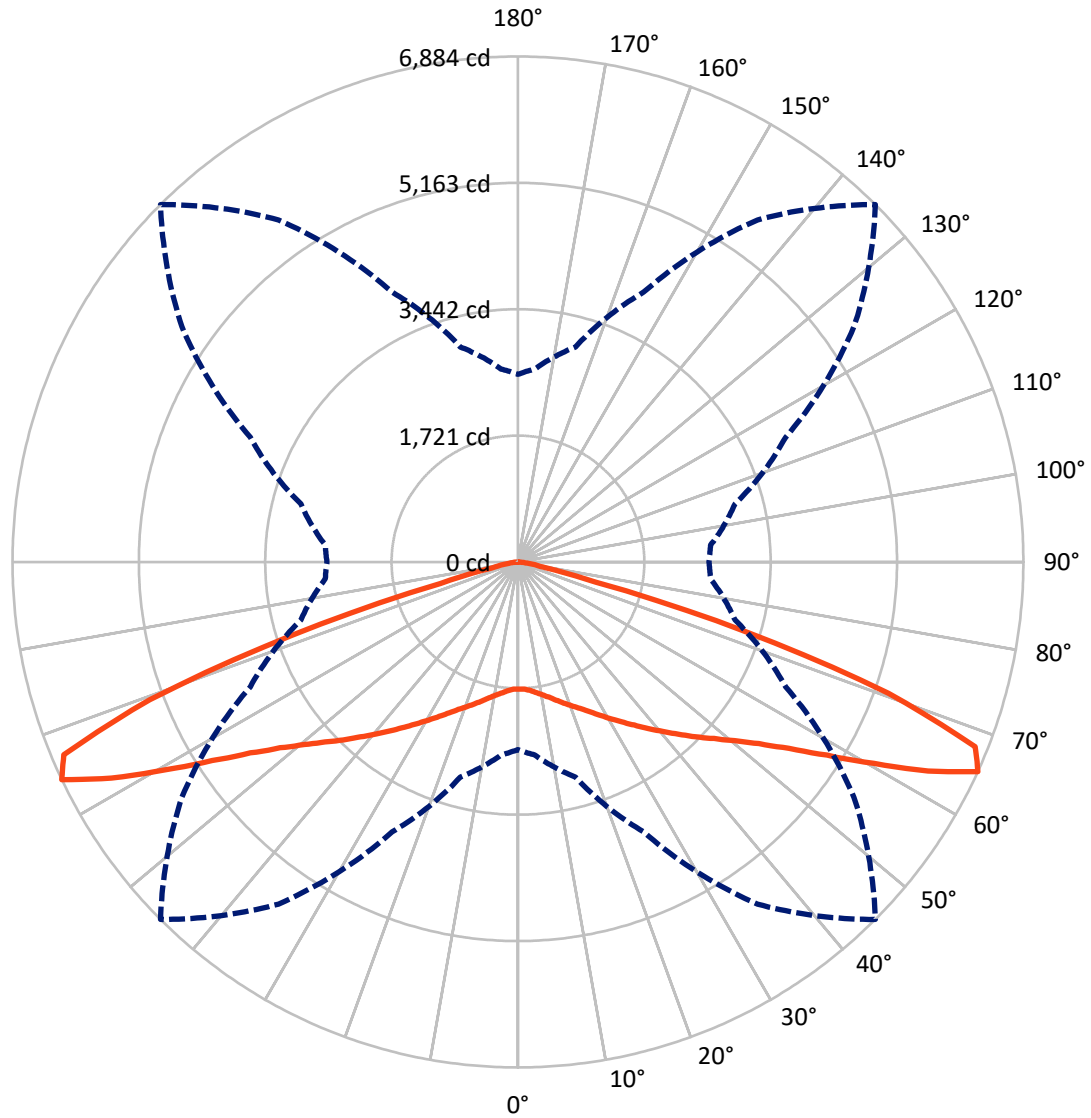
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type V - Short - N/A

REPORT NUMBER: P947162  
CATALOG NUMBER: GALN-SB2C-835-U-5NQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P947162  
 CATALOG NUMBER: GALN-SB2C-835-U-5NQ

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7278.5	0.0	7278.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7278.5	0.0	7278.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14557.0	0.0	14557.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.0	1.2
10°-20°	557.9	3.8
20°-30°	1053.4	7.2
30°-40°	1724.9	11.8
40°-50°	2674.4	18.4
50°-60°	3950.7	27.1
60°-70°	3760.7	25.8
70°-80°	606.8	4.2
80°-90°	57.2	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°	14557.0	100.0
0°-180°	14557.0	100.0



REPORT NUMBER: P947162

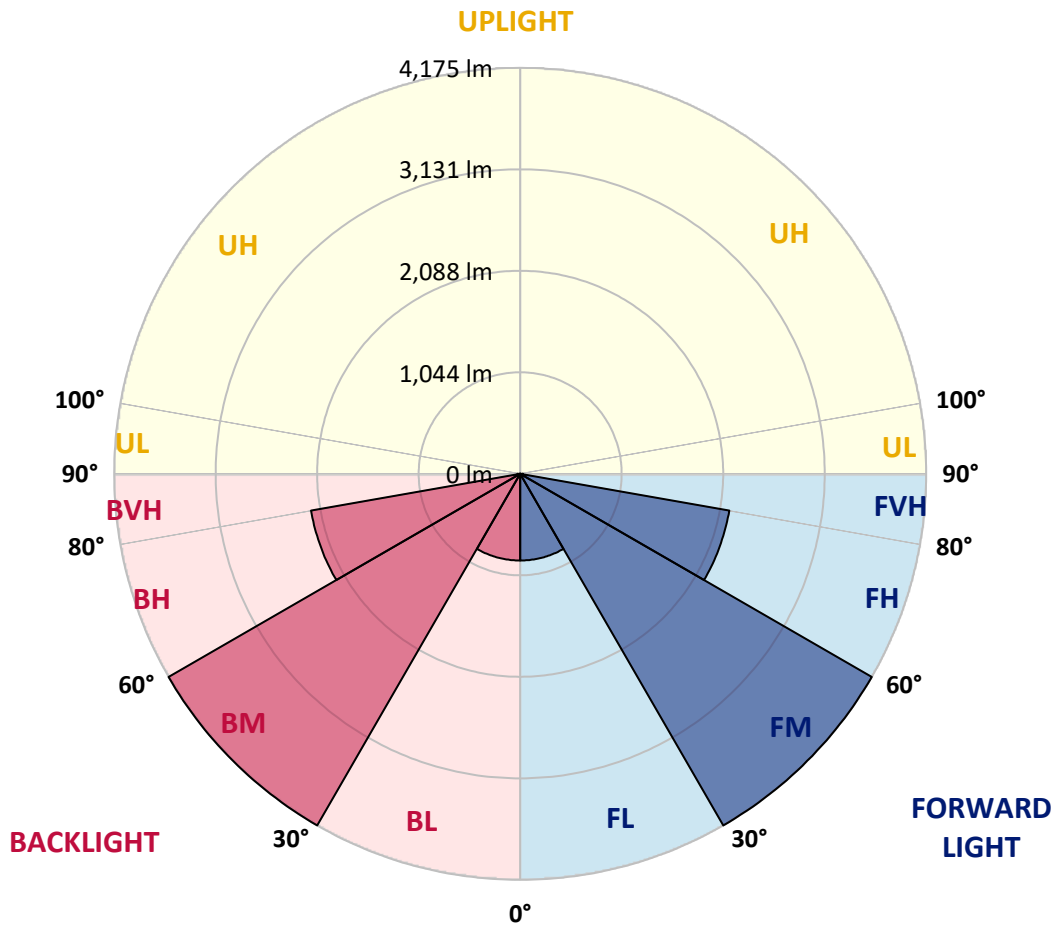
CATALOG NUMBER: GALN-SB2C-835-U-5NQ

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	891.1	6.1			
FM (30°-60°)	4175.0	28.7			
FH (60°-80°)	2183.8	15.0			G2/5000
FVH (80°-90°)	28.6	0.2			G1/100
BL (0°-30°)	891.1	6.1	B2/1000		
BM (30°-60°)	4175.0	28.7	B3/5000		
BH (60°-80°)	2183.8	15.0	B3/2500		G2/5000
BVH (80°-90°)	28.6	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-G2**

Type V Short



REPORT NUMBER: P947162  
 CATALOG NUMBER: GALN-SB2C-835-U-5NQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4
2.5°	1744.1	1738.3	1742.7	1739.0	1736.1	1733.2	1734.6	1739.7	1741.9	1742.7
5°	1767.5	1762.4	1764.6	1764.6	1759.5	1758.0	1758.7	1762.4	1766.8	1766.8
7.5°	1805.5	1800.4	1805.5	1802.5	1798.2	1796.7	1796.0	1798.9	1805.5	1805.5
10°	1851.5	1845.6	1848.6	1847.1	1842.0	1839.8	1839.1	1843.4	1849.3	1848.6
12.5°	1901.9	1895.3	1899.0	1894.6	1893.1	1890.9	1890.9	1890.2	1893.8	1890.9
15°	1958.1	1953.7	1955.2	1952.3	1954.5	1953.0	1947.2	1944.2	1945.7	1941.3
17.5°	2024.6	2014.3	2019.5	2018.0	2018.0	2020.9	2011.4	2007.8	2010.7	2006.3
20°	2101.3	2091.0	2093.2	2090.3	2086.7	2089.6	2077.9	2080.8	2083.0	2080.1
22.5°	2185.3	2172.1	2171.4	2172.8	2164.8	2165.5	2157.5	2164.8	2169.2	2161.2
25°	2271.4	2257.6	2267.1	2263.4	2253.2	2255.4	2249.5	2256.8	2260.5	2250.3
27.5°	2362.7	2353.2	2362.0	2364.2	2351.8	2360.5	2351.8	2358.4	2362.0	2346.7
30°	2469.4	2459.9	2467.9	2473.8	2459.1	2473.0	2465.7	2470.1	2470.8	2452.6
32.5°	2585.5	2570.9	2591.3	2594.3	2578.2	2595.0	2585.5	2591.3	2595.0	2570.2
35°	2727.2	2708.9	2732.3	2728.6	2714.8	2728.6	2719.9	2728.6	2737.4	2707.5
37.5°	2879.8	2860.8	2885.7	2879.1	2866.0	2875.5	2870.3	2876.2	2890.1	2857.9
40°	3047.8	3024.4	3058.0	3046.4	3033.9	3032.5	3035.4	3039.1	3057.3	3021.5
42.5°	3227.5	3202.7	3253.1	3234.8	3217.3	3205.6	3215.1	3222.4	3239.9	3199.7
45°	3432.7	3404.2	3470.0	3448.1	3420.3	3396.2	3411.5	3422.5	3448.1	3399.9
47.5°	3659.1	3627.0	3697.1	3690.5	3645.3	3592.7	3627.7	3659.1	3678.1	3619.7
50°	3880.4	3855.6	3947.6	3955.7	3900.2	3826.4	3875.3	3922.8	3927.9	3851.2
52.5°	4087.9	4063.0	4196.7	4247.1	4197.4	4109.8	4161.6	4209.8	4171.1	4071.8
55°	4253.7	4233.2	4403.4	4533.4	4550.2	4477.9	4508.6	4507.1	4380.0	4227.4
57.5°	4293.8	4290.9	4505.6	4781.0	4956.3	4965.0	4904.4	4749.6	4475.7	4270.5
60°	4111.2	4129.5	4424.6	4910.3	5377.7	5572.0	5309.8	4867.9	4366.9	4082.0
62.5°	3564.9	3613.1	3968.8	4752.5	5718.0	6270.2	5634.8	4688.2	3919.9	3548.1
65°	2554.8	2638.8	3031.8	4055.7	5687.4	6883.7	5588.0	4022.9	3061.0	2632.2
67.5°	1159.1	1244.5	1578.3	2776.9	4943.8	6717.2	4932.2	2806.1	1657.2	1248.9
70°	420.0	434.6	541.9	1111.6	3159.6	5352.1	3294.7	1119.7	576.3	463.1
72.5°	254.2	256.4	279.0	398.0	1097.7	3249.4	1144.5	411.2	284.8	252.7
75°	161.4	160.0	198.7	243.2	389.3	1096.3	408.3	243.2	197.9	180.4
77.5°	116.1	119.8	142.4	181.9	245.4	371.8	241.0	173.8	142.4	116.9
80°	86.9	89.1	103.7	141.7	172.4	231.5	153.4	128.5	107.4	73.0
82.5°	62.8	62.8	67.9	103.0	105.2	124.9	83.3	90.6	70.8	51.9
85°	37.2	36.5	42.4	61.4	54.8	46.0	38.0	55.5	44.6	32.1
87.5°	13.1	13.9	13.1	17.5	14.6	12.4	11.7	15.3	12.4	11.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1732.4
1742.7
1766.8
1803.3
1847.1
1892.4
1942.0
2010.0
2086.7
2169.2
2261.9
2358.4
2463.5
2587.0
2725.7
2877.6
3033.2
3220.9
3424.7
3639.4
3860.7
4074.7
4232.5
4257.3
4048.4
3526.2
2600.8
1230.7
457.2
257.1
181.9
119.0
75.2
51.9
31.4
10.2
0.0

OF REPORT)