

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: P950710

Luminaire Tested: **GALN-SB5A-830-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950710
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB5A-830-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21323 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

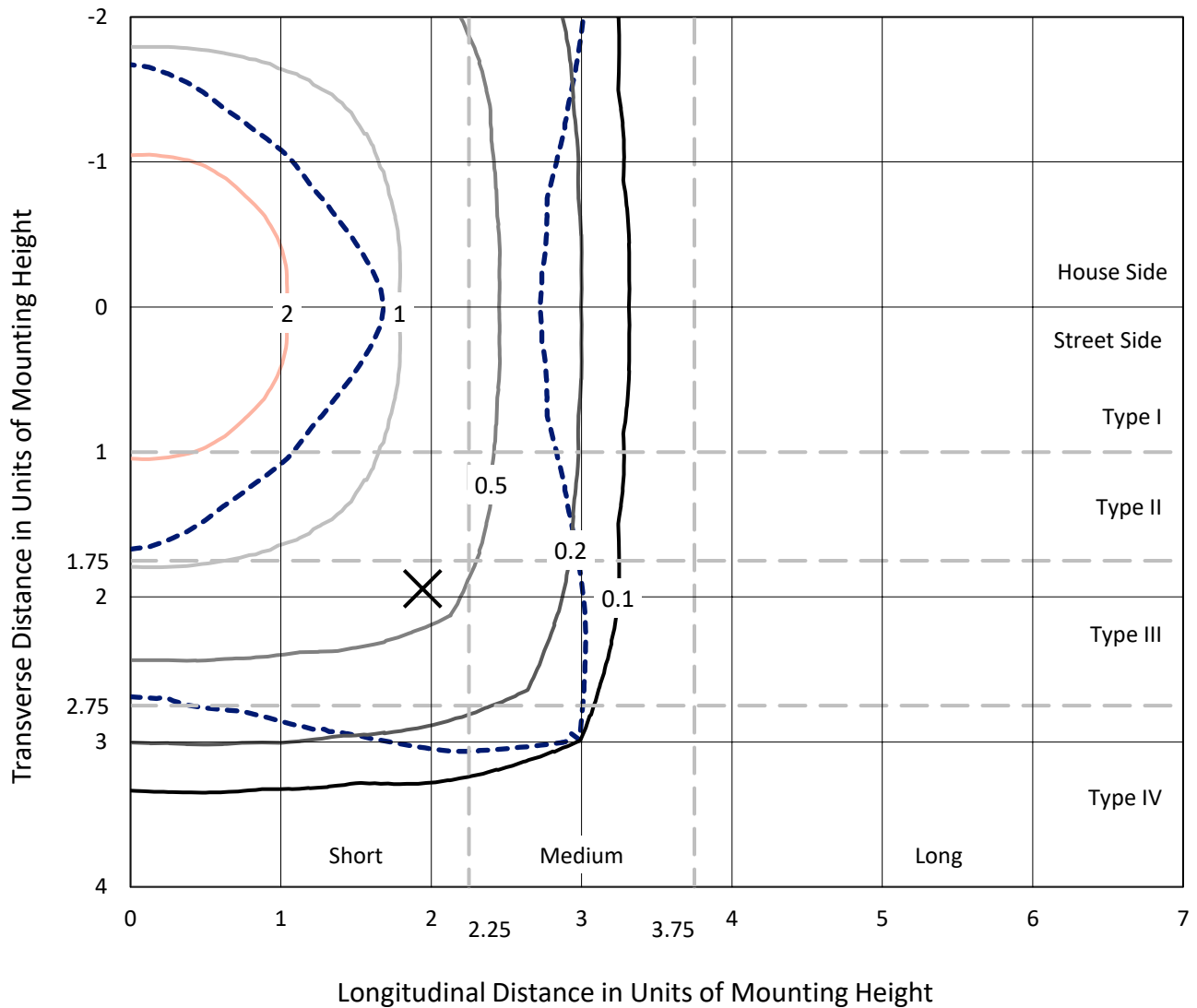
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P950710
 CATALOG NUMBER: GALN-SB5A-830-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

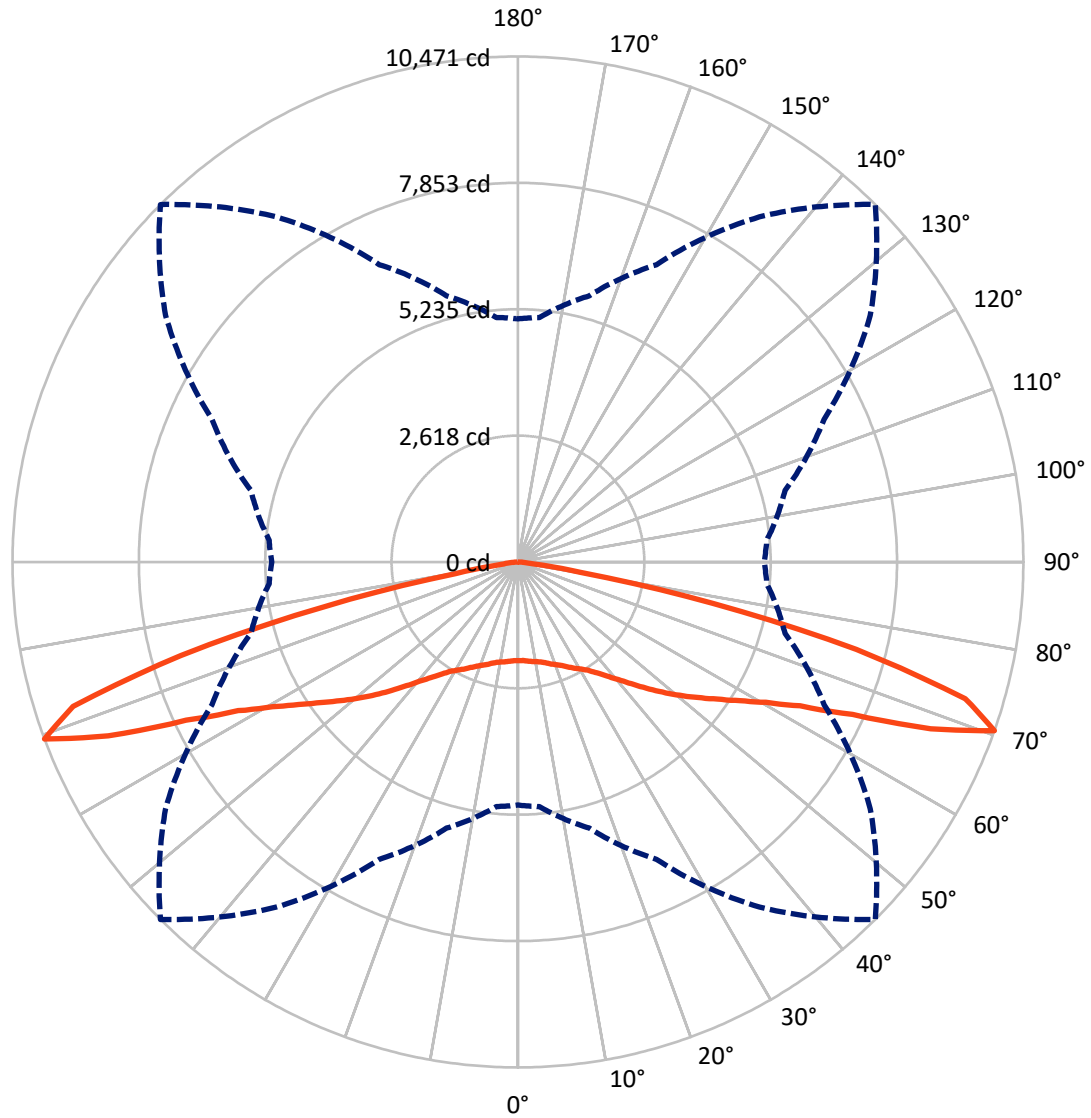
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - N/A

REPORT NUMBER: P950710
CATALOG NUMBER: GALN-SB5A-830-U-5MQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P950710

CATALOG NUMBER: GALN-SB5A-830-U-5MQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10661.5	0.0	10661.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10661.5	0.0	10661.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21323.0	0.0	21323.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.4	0.9
10°-20°	615.3	2.9
20°-30°	1099.6	5.2
30°-40°	1782.5	8.4
40°-50°	2903.4	13.6
50°-60°	4426.7	20.8
60°-70°	6585.5	30.9
70°-80°	3589.3	16.8
80°-90°	122.2	0.6
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°	21323.0	100.0
0°-180°	21323.0	100.0

Coefficient of Utilization



REPORT NUMBER: P950710

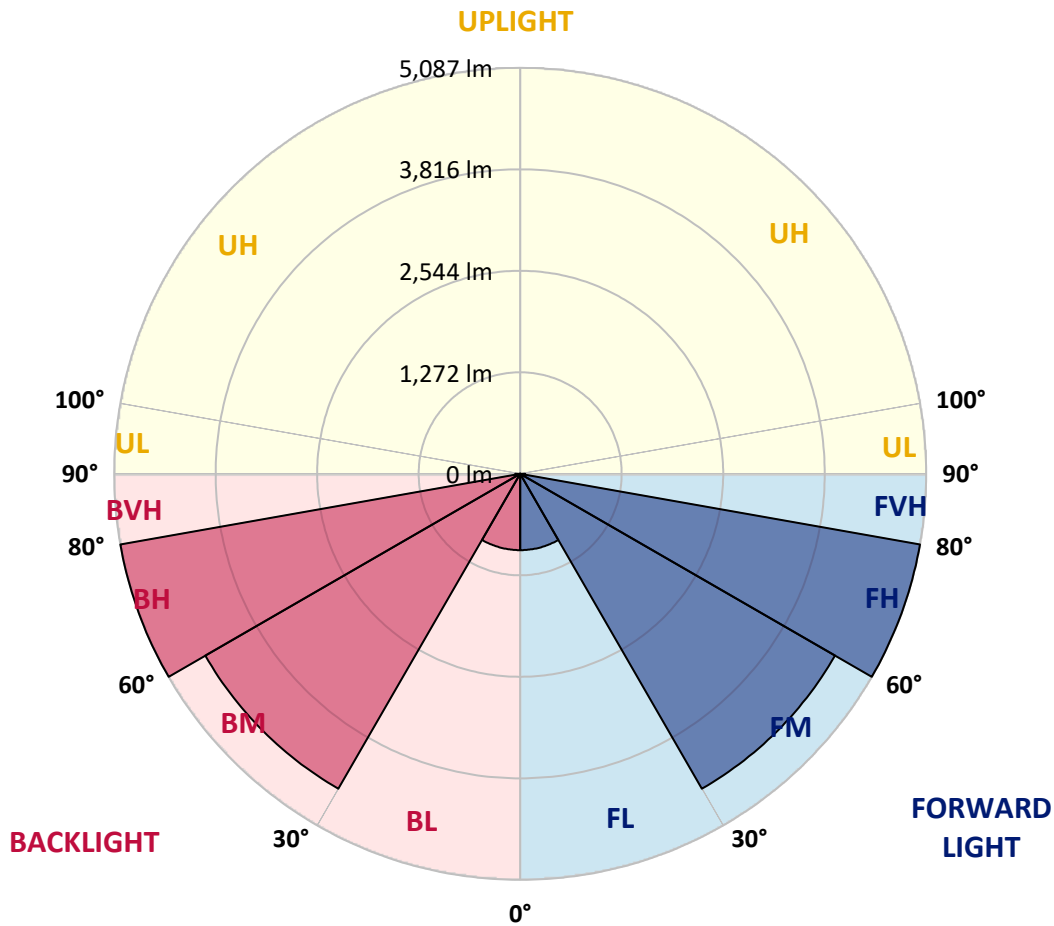
CATALOG NUMBER: GALN-SB5A-830-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	956.7	4.5			
FM (30°-60°)	4556.3	21.4			
FH (60°-80°)	5087.4	23.9			G3/7500
FVH (80°-90°)	61.1	0.3			G1/100
BL (0°-30°)	956.7	4.5	B2/1000		
BM (30°-60°)	4556.3	21.4	B3/5000		
BH (60°-80°)	5087.4	23.9	B5		G3/7500
BVH (80°-90°)	61.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



REPORT NUMBER: P950710

CATALOG NUMBER: GALN-SB5A-830-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2042.5	2042.5	2042.5	2042.5	2042.5	2042.5	2042.5	2042.5	2042.5	2042.5
2.5°	2052.2	2054.3	2050.0	2047.9	2045.7	2042.5	2043.6	2048.9	2053.2	2052.2
5°	2069.3	2071.4	2068.2	2067.1	2062.9	2061.8	2061.8	2067.1	2070.4	2068.2
7.5°	2088.6	2091.8	2086.4	2085.3	2083.2	2081.1	2080.0	2085.3	2088.6	2088.6
10°	2106.8	2110.0	2105.7	2102.5	2100.3	2100.3	2098.2	2102.5	2107.8	2106.8
12.5°	2126.0	2128.2	2123.9	2121.7	2121.7	2125.0	2121.7	2123.9	2128.2	2126.0
15°	2149.6	2150.6	2149.6	2152.8	2158.1	2168.8	2159.2	2157.1	2159.2	2153.9
17.5°	2181.7	2183.8	2188.1	2195.6	2203.1	2222.4	2205.2	2199.9	2199.9	2189.2
20°	2221.3	2224.5	2230.9	2243.8	2253.4	2271.6	2254.5	2247.0	2243.8	2229.9
22.5°	2263.0	2268.4	2278.0	2295.2	2312.3	2329.4	2312.3	2299.4	2289.8	2271.6
25°	2311.2	2317.6	2332.6	2360.5	2384.0	2408.6	2388.3	2362.6	2343.3	2317.6
27.5°	2379.7	2387.2	2405.4	2439.7	2469.7	2491.1	2471.8	2438.6	2411.8	2380.8
30°	2476.1	2483.6	2505.0	2541.4	2561.7	2575.6	2562.8	2537.1	2505.0	2469.7
32.5°	2600.3	2609.9	2633.4	2667.7	2672.0	2674.1	2669.8	2657.0	2633.4	2590.6
35°	2757.6	2768.3	2795.1	2822.9	2818.6	2822.9	2816.5	2812.2	2795.1	2745.8
37.5°	2950.3	2963.2	2991.0	3012.4	3001.7	2996.3	2997.4	2998.5	2988.8	2934.3
40°	3174.0	3191.2	3211.5	3234.0	3215.8	3199.7	3210.4	3219.0	3210.4	3154.8
42.5°	3404.2	3428.8	3450.2	3482.4	3467.4	3447.0	3462.0	3471.6	3453.4	3393.5
45°	3660.1	3683.6	3711.4	3759.6	3748.9	3727.5	3748.9	3751.0	3720.0	3649.4
47.5°	3924.5	3949.1	3990.8	4055.1	4050.8	4027.2	4055.1	4040.1	4000.5	3915.9
50°	4175.0	4209.2	4273.5	4363.4	4371.9	4343.0	4380.5	4351.6	4285.2	4179.2
52.5°	4410.5	4446.9	4548.6	4670.6	4701.7	4664.2	4714.5	4664.2	4564.6	4428.7
55°	4657.8	4698.4	4819.4	4978.9	5041.0	5013.2	5060.3	4984.3	4843.0	4678.1
57.5°	4948.9	4973.6	5118.1	5307.6	5412.5	5418.9	5440.3	5311.8	5140.6	4953.2
60°	5264.7	5299.0	5456.4	5683.3	5849.2	5902.8	5880.3	5689.7	5490.6	5275.4
62.5°	5669.4	5706.9	5895.3	6167.2	6429.5	6562.2	6474.4	6198.2	5952.0	5694.0
65°	6004.5	6046.2	6386.6	6871.6	7349.0	7615.6	7395.0	6886.6	6443.4	6079.4
67.5°	5761.5	5812.8	6347.0	7237.7	8424.9	9220.3	8465.6	7346.9	6478.7	5985.2
70°	5035.7	5083.8	5706.9	6795.6	8727.8	10470.6	8909.8	6995.7	5727.2	5174.8
72.5°	3343.2	3498.4	4128.9	5435.0	7793.3	9689.1	7870.3	5324.7	3830.3	3335.7
75°	1109.0	1233.2	1663.6	2817.6	5219.8	7246.2	4969.3	2493.2	1317.8	948.5
77.5°	279.4	322.2	444.3	806.1	2082.1	4125.7	1874.5	658.4	358.6	250.5
80°	136.0	149.9	214.1	268.7	521.3	1311.4	489.2	252.6	169.1	130.6
82.5°	74.9	76.0	121.0	152.0	193.8	339.3	201.3	147.7	97.4	79.2
85°	46.0	45.0	64.2	81.4	81.4	121.0	96.3	81.4	55.7	49.2
87.5°	18.2	18.2	23.6	25.7	22.5	31.0	24.6	26.8	21.4	20.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2042.5
2053.2
2069.3
2088.6
2106.8
2125.0
2153.9
2189.2
2229.9
2270.5
2316.6
2379.7
2469.7
2591.7
2745.8
2934.3
3154.8
3397.8
3656.8
3910.6
4177.1
4415.8
4655.6
4927.5
5241.2
5649.1
6019.4
5911.3
5101.0
3227.6
897.1
223.7
119.9
79.2
51.4
21.4
0.0

OF REPORT)