

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: P949286

Luminaire Tested: **GALN-SB4A-830-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949286  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB4A-830-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

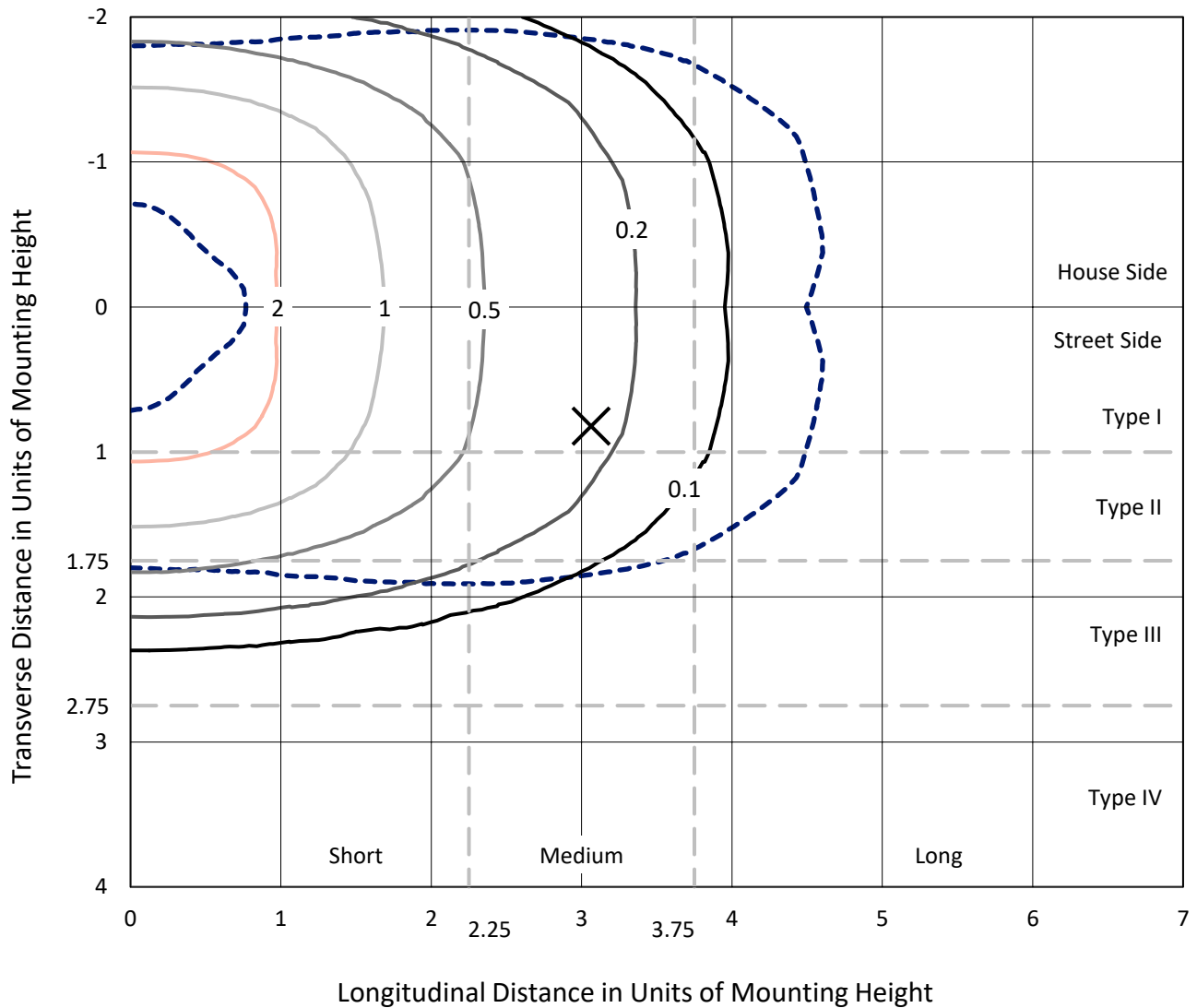
Lumens per Lamp: N/A  
Luminaire Lumens: 16635 lumens  
Efficiency: N/A  
Efficacy: 145.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P949286  
 CATALOG NUMBER: GALN-SB4A-830-U-RW

### Iso-Footcandle Lines of Horizontal Illumination

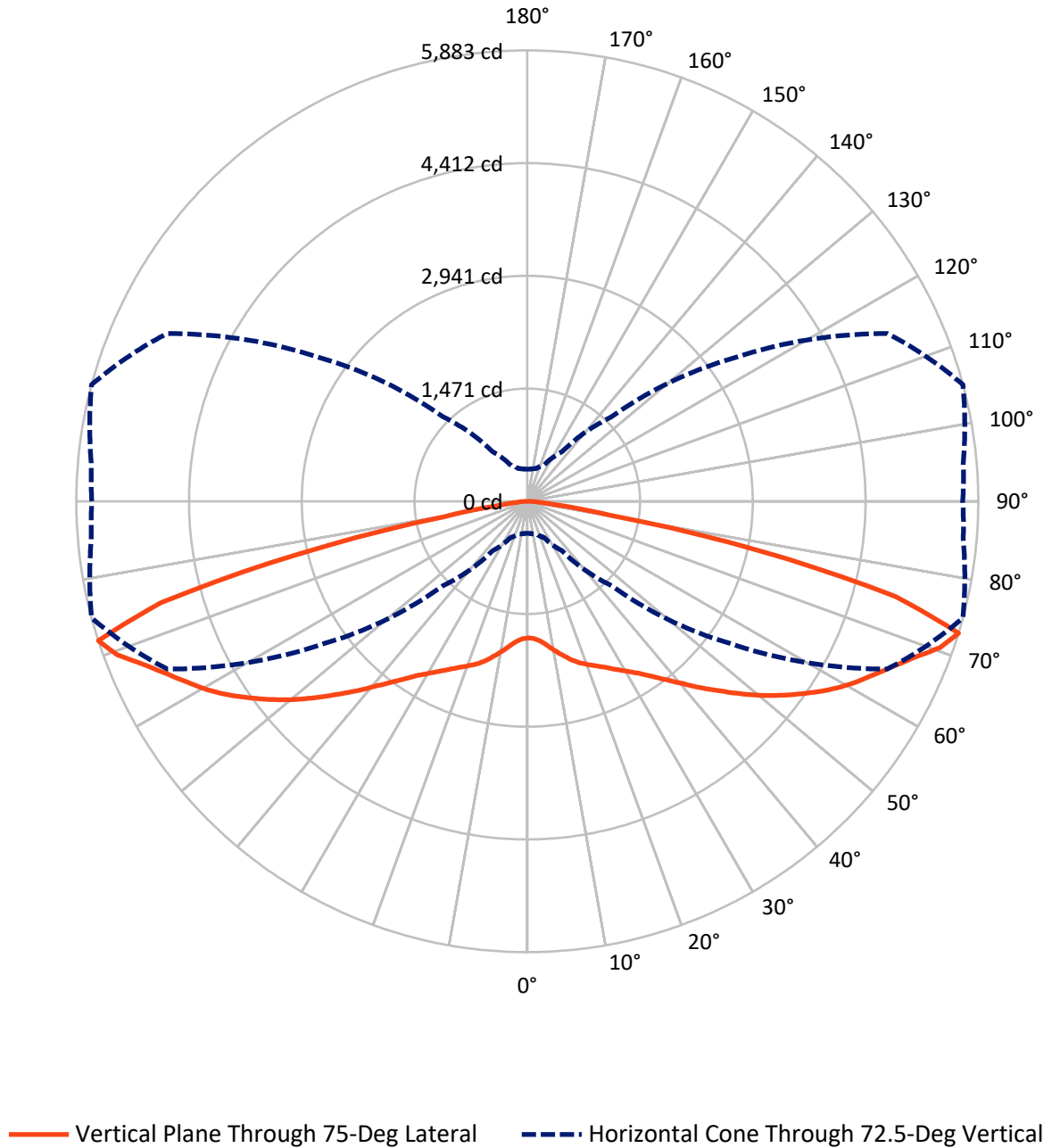
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc  
 Type III - Medium - N/A

REPORT NUMBER: P949286  
CATALOG NUMBER: GALN-SB4A-830-U-RW

### Luminous Intensity Polar Plot



REPORT NUMBER: P949286

CATALOG NUMBER: GALN-SB4A-830-U-RW

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8317.5	0.0	8317.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8317.5	0.0	8317.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16635.0	0.0	16635.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.6	1.0
10°-20°	575.7	3.5
20°-30°	1112.4	6.7
30°-40°	1878.4	11.3
40°-50°	2979.0	17.9
50°-60°	3988.5	24.0
60°-70°	3795.8	22.8
70°-80°	1980.7	11.9
80°-90°	149.9	0.9
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°	16635.0	100.0
0°-180°	16635.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P949286

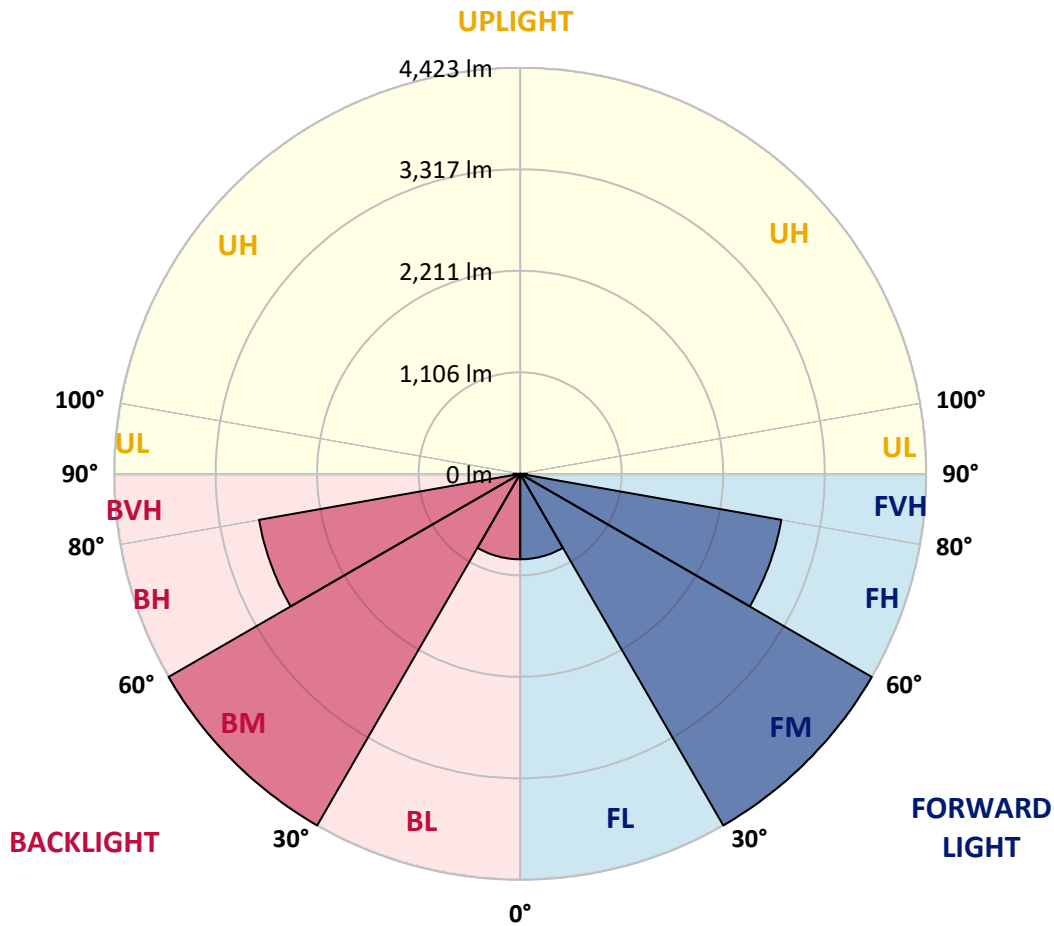
CATALOG NUMBER: GALN-SB4A-830-U-RW

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	931.4	5.6			
FM (30°-60°)	4422.9	26.6			
FH (60°-80°)	2888.2	17.4			G2/5000
FVH (80°-90°)	75.0	0.5			G1/100
BL (0°-30°)	931.4	5.6	B2/1000		
BM (30°-60°)	4422.9	26.6	B3/5000		
BH (60°-80°)	2888.2	17.4	B4/5000		G4/5000
BVH (80°-90°)	75.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type III Medium



REPORT NUMBER: P949286  
 CATALOG NUMBER: GALN-SB4A-830-U-RW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1781.9	1781.9	1781.9	1781.9	1781.9	1781.9	1781.9	1781.9	1781.9	1781.9
2.5°	1781.9	1780.2	1781.9	1783.6	1782.8	1782.8	1787.0	1789.6	1794.6	1793.8
5°	1770.0	1769.2	1776.0	1783.6	1789.6	1799.7	1812.5	1821.8	1833.7	1836.3
7.5°	1764.1	1761.5	1773.4	1787.0	1805.7	1831.2	1855.8	1881.3	1901.7	1908.5
10°	1768.3	1769.2	1785.3	1810.8	1840.5	1876.2	1911.0	1954.3	1983.2	1990.0
12.5°	1787.9	1786.2	1813.3	1854.1	1894.9	1939.9	1980.7	2028.2	2059.6	2075.8
15°	1823.5	1820.1	1858.3	1918.6	1978.1	2030.8	2063.9	2108.9	2145.4	2165.8
17.5°	1866.0	1867.7	1917.8	1995.9	2074.1	2133.5	2165.0	2187.9	2215.9	2233.8
20°	1940.7	1944.1	2000.2	2092.8	2181.9	2249.9	2275.4	2266.9	2274.5	2288.1
22.5°	2041.0	2042.7	2105.5	2205.7	2299.2	2373.9	2390.9	2356.1	2334.8	2344.2
25°	2157.3	2168.4	2231.2	2334.0	2429.9	2501.3	2508.9	2456.3	2403.6	2406.2
27.5°	2299.2	2309.3	2373.0	2475.0	2572.6	2634.6	2633.8	2563.3	2486.0	2466.5
30°	2452.9	2463.9	2529.3	2634.6	2725.5	2779.9	2768.0	2683.9	2573.5	2537.0
32.5°	2635.5	2642.3	2708.5	2813.8	2897.9	2941.2	2916.6	2813.0	2675.4	2633.8
35°	2856.3	2866.5	2915.8	3015.1	3089.0	3124.7	3083.1	2960.8	2806.2	2759.5
37.5°	3108.6	3101.8	3157.8	3246.2	3307.3	3329.4	3272.5	3127.3	2955.7	2900.5
40°	3371.9	3368.5	3429.6	3514.6	3547.7	3561.3	3477.2	3318.4	3128.1	3068.6
42.5°	3610.5	3608.0	3690.4	3784.6	3824.6	3809.3	3703.1	3521.3	3327.7	3259.8
45°	3801.6	3798.2	3899.3	4031.8	4109.9	4084.5	3941.8	3745.6	3529.8	3459.3
47.5°	3948.6	3950.3	4059.0	4222.9	4359.6	4369.0	4185.5	3974.0	3752.4	3672.5
50°	4054.7	4059.8	4176.2	4357.9	4544.8	4627.2	4434.4	4208.5	3982.5	3892.5
52.5°	4081.1	4090.4	4230.5	4443.7	4663.7	4820.8	4687.5	4433.5	4200.8	4115.0
55°	3940.9	3959.6	4137.1	4436.9	4736.7	4948.2	4910.0	4662.0	4420.8	4332.5
57.5°	3619.0	3645.3	3852.6	4244.1	4720.6	5035.7	5082.4	4881.1	4640.8	4555.8
60°	3168.0	3199.4	3398.2	3825.4	4493.0	5068.0	5203.9	5094.3	4842.9	4760.5
62.5°	2487.7	2528.5	2766.3	3267.4	4012.3	4917.7	5307.5	5287.1	5024.7	4921.9
65°	1595.9	1639.2	1889.8	2481.8	3371.0	4457.3	5339.8	5474.8	5216.6	5073.1
67.5°	962.3	981.8	1105.8	1504.2	2463.9	3763.4	5066.3	5682.9	5440.8	5262.5
70°	615.8	626.8	700.7	883.3	1392.9	2745.9	4388.5	5722.0	5712.6	5457.0
72.5°	417.9	421.3	440.8	523.2	788.2	1560.2	3236.8	5180.1	5882.5	5707.5
75°	305.8	324.4	355.9	370.3	447.6	779.7	1854.9	3639.4	4957.6	5034.0
77.5°	227.6	228.5	271.8	288.8	319.4	415.3	784.8	2031.6	3078.0	3231.7
80°	192.8	182.6	181.8	232.7	240.4	259.0	350.8	701.6	1102.4	668.4
82.5°	160.5	149.5	135.0	181.8	163.9	158.8	152.0	285.4	350.8	172.4
85°	112.1	107.0	101.9	118.9	93.4	79.8	73.0	133.3	147.8	73.0
87.5°	48.4	50.1	51.0	52.7	39.1	28.0	28.0	37.4	37.4	28.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1781.9
1792.9
1836.3
1910.2
1996.8
2082.6
2173.5
2242.2
2298.3
2351.0
2410.4
2472.4
2541.2
2644.0
2766.3
2910.7
3088.2
3276.7
3475.5
3696.3
3919.7
4137.1
4357.1
4575.4
4778.4
4933.8
5090.9
5276.1
5455.3
5680.4
4848.9
2882.6
505.4
146.9
64.5
21.2
0.0

OF REPORT)