

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: P944743

Luminaire Tested: **GALN-SB9D-830-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944743  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB9D-830-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 82390 lumens  
Efficiency: N/A  
Efficacy: 125.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

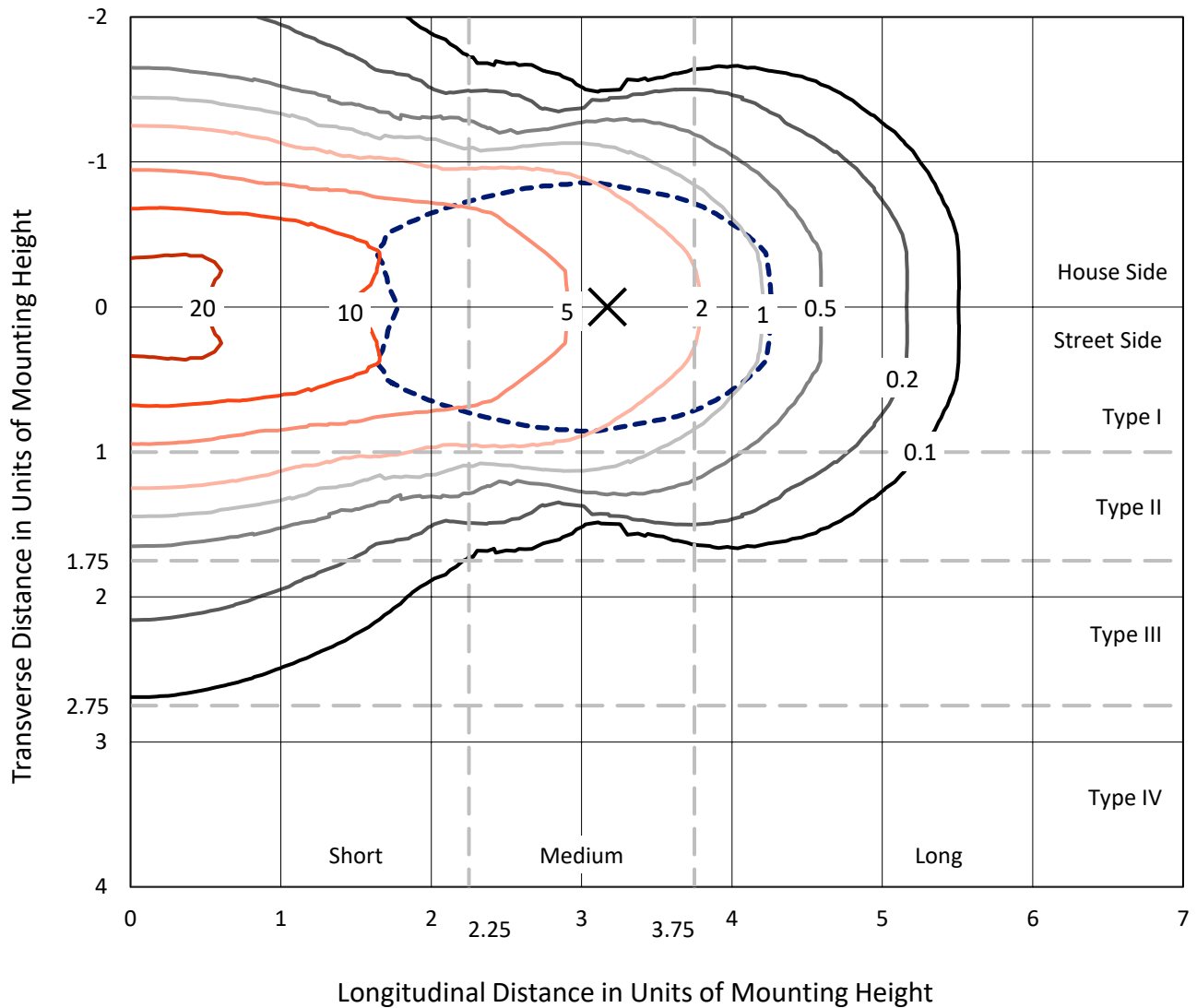
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P944743  
 CATALOG NUMBER: GALN-SB9D-830-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

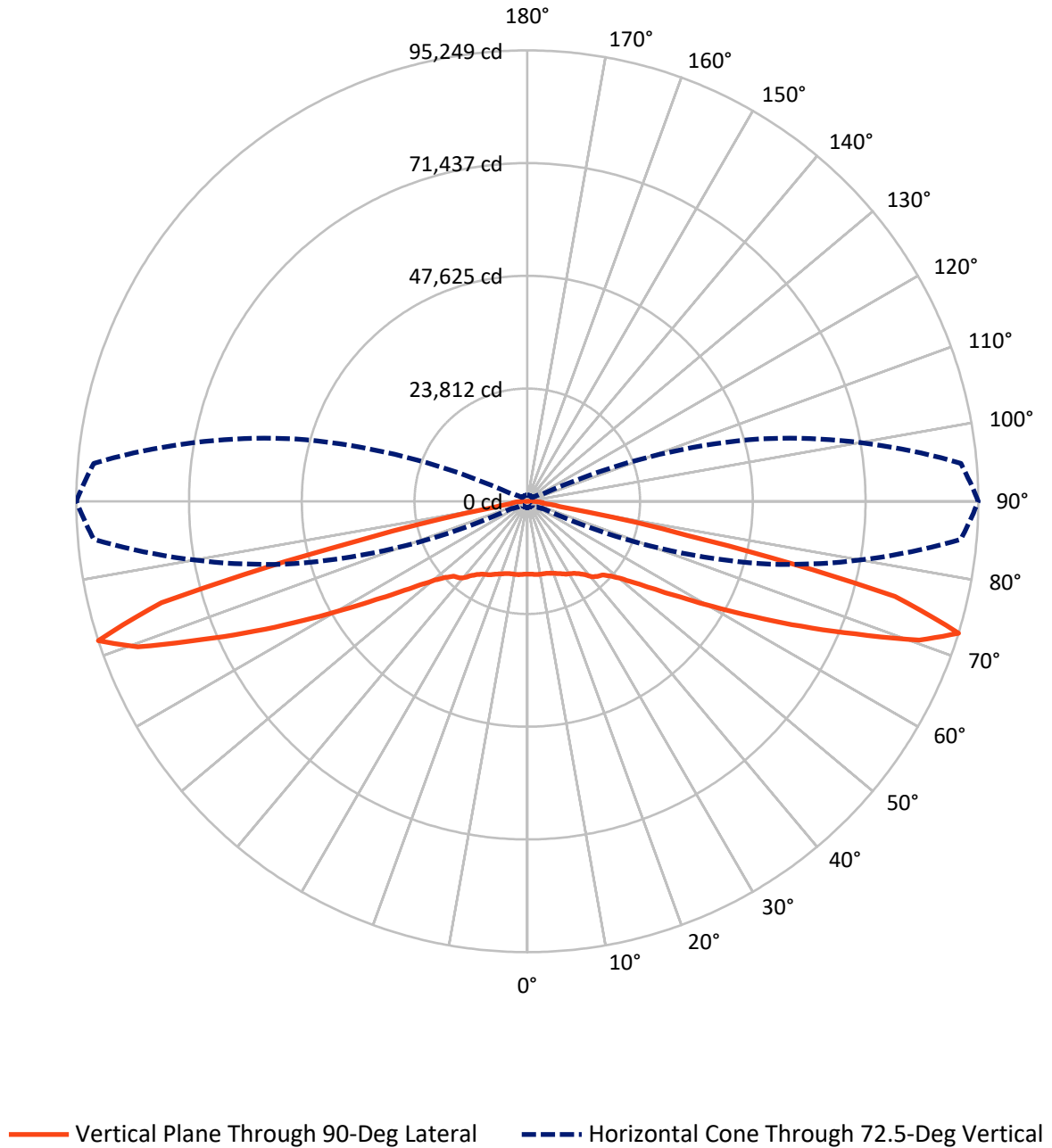
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 24.6 fc  
 Type I - Short - N/A

REPORT NUMBER: P944743  
CATALOG NUMBER: GALN-SB9D-830-U-T1

### Luminous Intensity Polar Plot



REPORT NUMBER: P944743  
 CATALOG NUMBER: GALN-SB9D-830-U-T1

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	41195.0	0.0	41195.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	41195.0	0.0	41195.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	82390.0	0.0	82390.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1492.8	1.8
10°-20°	4564.3	5.5
20°-30°	7610.6	9.2
30°-40°	10466.9	12.7
40°-50°	12782.9	15.5
50°-60°	14784.8	17.9
60°-70°	17628.5	21.4
70°-80°	12303.5	14.9
80°-90°	755.7	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°	82390.0	100.0
0°-180°	82390.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P944743

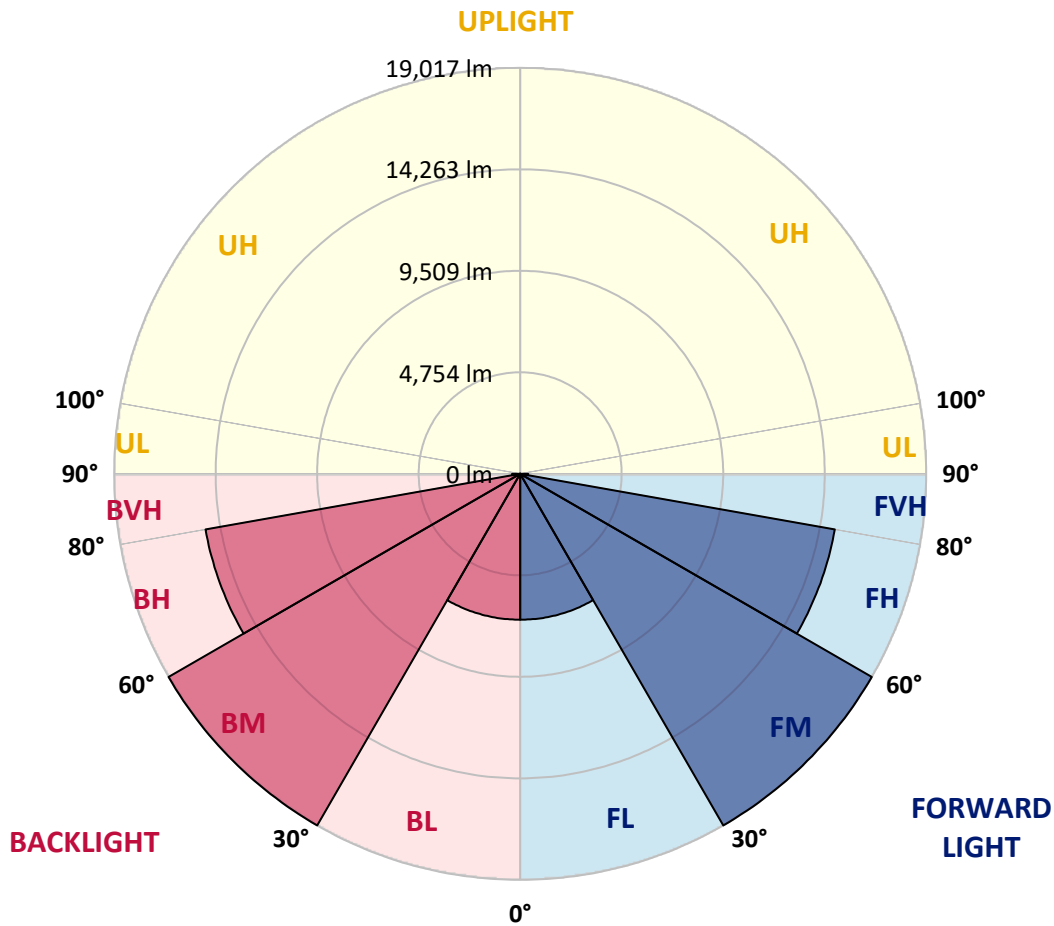
CATALOG NUMBER: GALN-SB9D-830-U-T1

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6833.8	8.3			
FM (30°-60°)	19017.3	23.1			
FH (60°-80°)	14966.0	18.2			G5
FVH (80°-90°)	377.8	0.5			G3/500
BL (0°-30°)	6833.8	8.3	B5		
BM (30°-60°)	19017.3	23.1	B5		
BH (60°-80°)	14966.0	18.2	B5		G5
BVH (80°-90°)	377.8	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type I Short



REPORT NUMBER: P944743

CATALOG NUMBER: GALN-SB9D-830-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	15395.4	15395.4	15395.4	15395.4	15395.4	15395.4	15395.4	15395.4	15395.4	15395.4
2.5°	15408.6	15426.1	15426.1	15413.0	15443.6	15417.3	15417.3	15404.2	15417.3	15404.2
5°	15487.4	15509.3	15518.0	15513.7	15553.1	15531.2	15531.2	15513.7	15518.0	15504.9
7.5°	15636.3	15666.9	15684.4	15706.3	15763.3	15737.0	15719.5	15666.9	15645.0	15610.0
10°	15684.4	15719.5	15776.4	15890.2	16021.6	16026.0	15973.4	15842.1	15741.4	15662.5
12.5°	15535.6	15583.7	15701.9	15934.0	16227.4	16345.6	16262.4	16043.5	15846.4	15706.3
15°	15347.3	15399.8	15579.3	15929.6	16363.1	16639.0	16630.2	16341.2	16026.0	15807.0
17.5°	15053.9	15106.4	15364.8	15855.2	16468.2	16923.6	17046.2	16748.5	16306.2	16012.8
20°	14524.1	14572.2	14931.3	15618.8	16503.2	17225.7	17545.4	17282.7	16730.9	16332.5
22.5°	13836.6	13911.1	14331.4	15211.5	16420.1	17541.0	18114.6	17935.1	17225.7	16674.0
25°	13101.0	13179.8	13670.2	14712.4	16205.5	17768.7	18788.9	18675.1	17786.2	17098.7
27.5°	12466.1	12549.3	13083.5	14217.6	15872.7	17856.3	19454.5	19511.4	18464.9	17567.3
30°	11966.9	12045.8	12615.0	13819.1	15443.6	17768.7	20036.8	20430.9	19156.7	17974.5
32.5°	11419.6	11520.3	12120.2	13333.1	14935.7	17558.5	20544.8	21424.9	19958.0	18412.4
35°	10727.8	10819.7	11450.2	12667.5	14270.1	17221.4	20969.5	22528.3	21105.2	19077.9
37.5°	9887.1	9974.6	10600.8	11835.6	13608.9	16748.5	21293.5	23771.9	22471.4	20036.8
40°	9042.0	9125.2	9711.9	10907.3	12816.4	16144.2	21407.4	24989.1	24039.0	21354.8
42.5°	8266.9	8341.4	8880.0	9992.1	11927.5	15373.5	21258.5	26048.8	25444.5	22274.3
45°	7553.2	7618.9	8096.2	9133.9	11003.6	14436.5	20811.9	27187.2	27117.2	22931.2
47.5°	6738.8	6804.5	7299.3	8302.0	10079.7	13337.5	20054.4	28308.2	29442.2	24419.9
50°	5744.8	5801.8	6309.7	7343.0	9120.8	12168.4	19003.5	29188.3	32376.0	26674.9
52.5°	4567.0	4628.3	5123.1	6156.4	7982.3	10911.7	17619.8	29761.9	35765.1	29967.7
55°	3397.9	3441.6	3870.8	4799.0	6572.4	9479.8	15885.9	29923.9	39609.5	34469.0
57.5°	2465.2	2491.5	2767.3	3459.2	4982.9	7689.0	13779.7	29503.6	44185.3	40240.1
60°	1996.7	2005.4	2088.6	2395.1	3463.5	5666.0	11235.7	28058.6	49150.7	47679.5
62.5°	1812.8	1812.8	1834.7	1917.9	2342.6	3739.4	8157.5	25063.6	54475.2	57080.5
65°	1685.8	1685.8	1694.5	1734.0	1847.8	2382.0	5149.3	20185.7	58963.3	68092.9
67.5°	1571.9	1576.3	1571.9	1585.1	1650.8	1760.2	2986.3	13941.7	61380.3	79503.7
70°	1453.7	1462.5	1440.6	1440.6	1493.1	1497.5	1869.7	7645.2	59374.9	89066.7
72.5°	1313.6	1326.7	1291.7	1283.0	1322.4	1304.8	1405.6	3669.3	50976.6	91921.6
75°	1191.0	1208.5	1129.7	1107.8	1107.8	1094.7	1142.8	1882.8	33085.3	74984.9
77.5°	1081.5	1116.6	989.6	919.5	902.0	862.6	932.7	1151.6	14471.5	35204.6
80°	893.3	941.4	814.4	731.2	700.6	656.8	735.6	805.7	4304.2	8175.0
82.5°	665.6	687.5	578.0	521.1	494.8	464.1	551.7	560.5	1401.2	2894.3
85°	424.7	433.5	354.7	306.5	293.4	280.2	350.3	306.5	534.2	2128.0
87.5°	148.9	170.8	135.7	122.6	131.4	109.5	162.0	92.0	148.9	1501.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

15395.4  
15404.2  
15504.9  
15610.0  
15649.4  
15684.4  
15772.0  
15964.7  
16258.0  
16573.3  
16958.6  
17418.4  
17759.9  
18140.9  
18775.8  
19634.0  
20925.7  
21722.6  
22186.8  
23561.7  
25597.8  
28641.0  
32809.5  
38151.4  
45047.9  
53555.6  
63635.4  
74691.5  
87801.3  
95249.4  
80204.3  
34473.4  
7829.1  
3270.9  
3091.3  
1860.9  
0.0

OF REPORT)