

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: P938803

Luminaire Tested: **GALN-SB1A-835-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P938803  
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-SB1A-835-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4117 lumens  
Efficiency: N/A  
Efficacy: 133.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B2 - U0 - G2

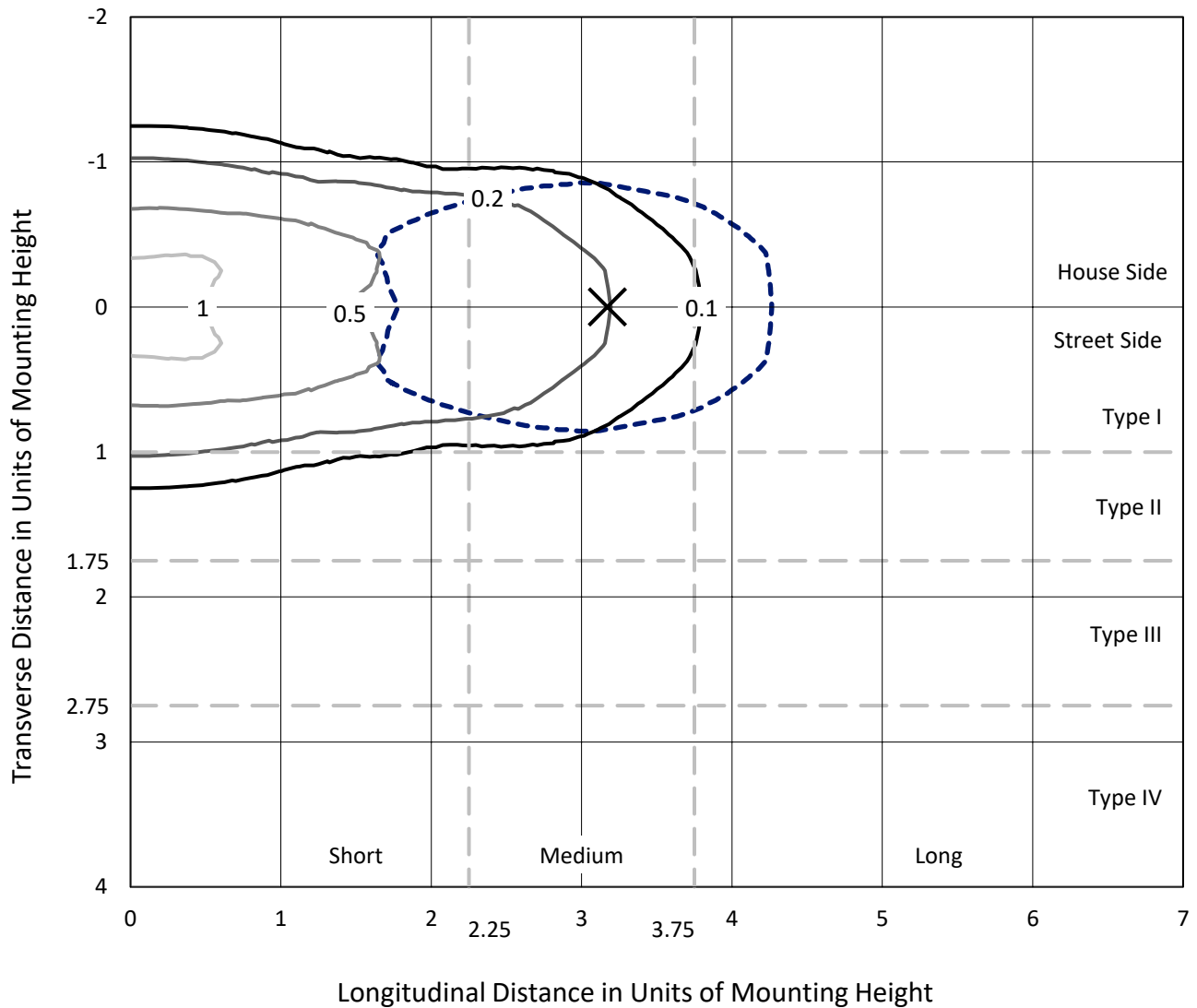
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P938803  
 CATALOG NUMBER: GALN-SB1A-835-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

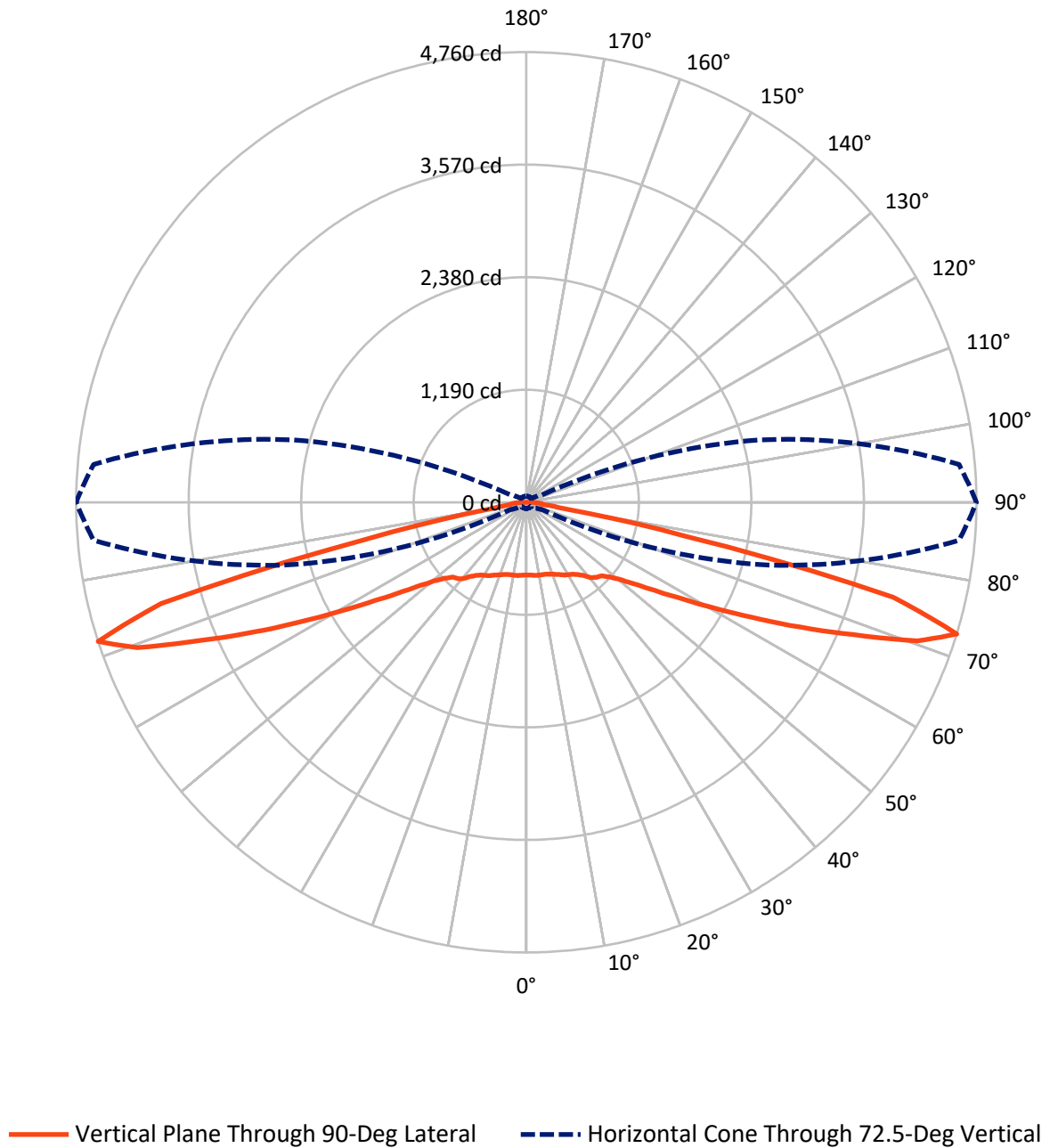
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type I - Short - N/A

REPORT NUMBER: P938803  
CATALOG NUMBER: GALN-SB1A-835-U-T1

### Luminous Intensity Polar Plot



REPORT NUMBER: P938803  
 CATALOG NUMBER: GALN-SB1A-835-U-T1

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2058.5	0.0	2058.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2058.5	0.0	2058.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4117.0	0.0	4117.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.6	1.8
10°-20°	228.1	5.5
20°-30°	380.3	9.2
30°-40°	523.0	12.7
40°-50°	638.8	15.5
50°-60°	738.8	17.9
60°-70°	880.9	21.4
70°-80°	614.8	14.9
80°-90°	37.8	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°	4117.0	100.0
0°-180°	4117.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P938803

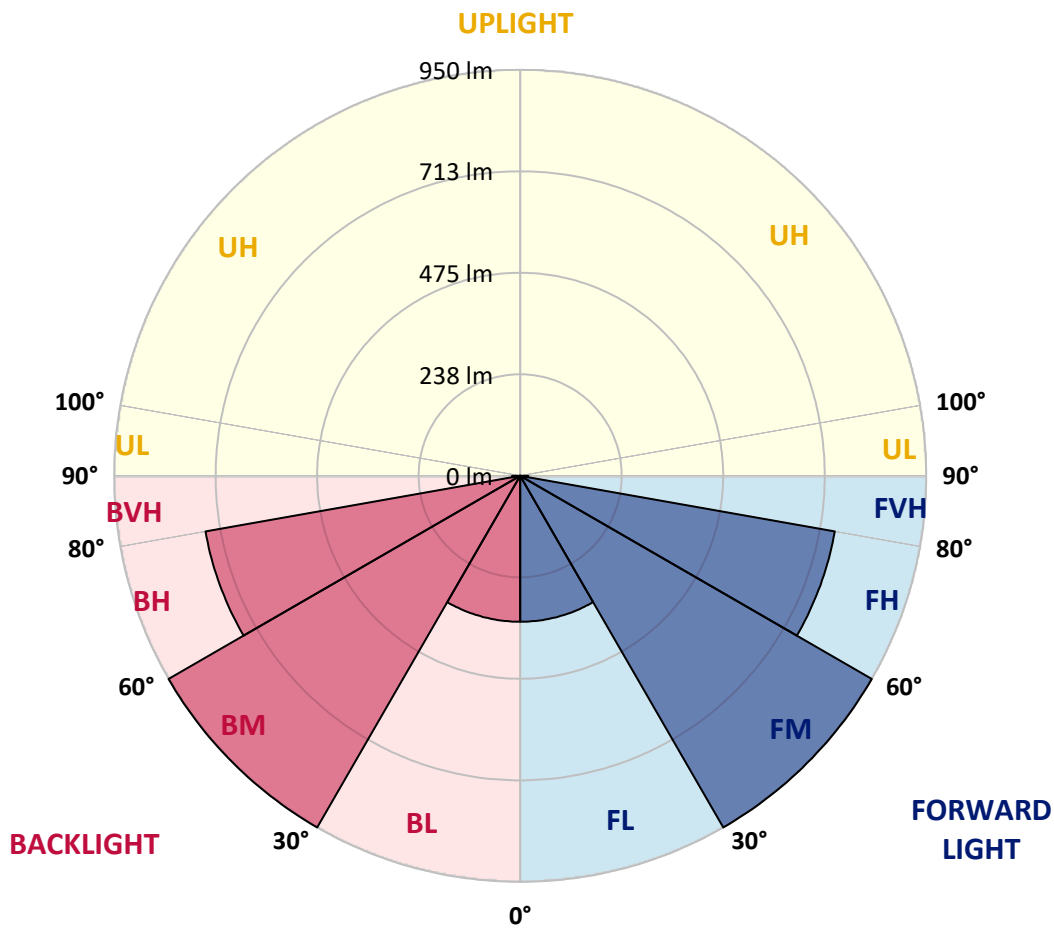
CATALOG NUMBER: GALN-SB1A-835-U-T1

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	341.5	8.3			
FM (30°-60°)	950.3	23.1			
FH (60°-80°)	747.8	18.2			G1/1800
FVH (80°-90°)	18.9	0.5			G1/100
BL (0°-30°)	341.5	8.3	B1/500		
BM (30°-60°)	950.3	23.1	B1/1000		
BH (60°-80°)	747.8	18.2	B2/1000		G2/1000
BVH (80°-90°)	18.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type I Short



REPORT NUMBER: P938803

CATALOG NUMBER: GALN-SB1A-835-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	769.3	769.3	769.3	769.3	769.3	769.3	769.3	769.3	769.3	769.3
2.5°	770.0	770.8	770.8	770.2	771.7	770.4	770.4	769.7	770.4	769.7
5°	773.9	775.0	775.4	775.2	777.2	776.1	776.1	775.2	775.4	774.8
7.5°	781.3	782.9	783.7	784.8	787.7	786.4	785.5	782.9	781.8	780.0
10°	783.7	785.5	788.3	794.0	800.6	800.8	798.2	791.6	786.6	782.7
12.5°	776.3	778.7	784.6	796.2	810.9	816.8	812.6	801.7	791.8	784.8
15°	766.9	769.5	778.5	796.0	817.7	831.4	831.0	816.6	800.8	789.9
17.5°	752.2	754.9	767.8	792.3	822.9	845.7	851.8	836.9	814.8	800.2
20°	725.8	728.2	746.1	780.5	824.7	860.8	876.7	863.6	836.0	816.1
22.5°	691.4	695.1	716.1	760.1	820.5	876.5	905.2	896.2	860.8	833.2
25°	654.7	658.6	683.1	735.2	809.8	887.9	938.9	933.2	888.8	854.4
27.5°	622.9	627.1	653.8	710.4	793.2	892.3	972.1	975.0	922.7	877.8
30°	598.0	601.9	630.4	690.5	771.7	887.9	1001.2	1020.9	957.3	898.2
32.5°	570.6	575.7	605.6	666.2	746.3	877.4	1026.6	1070.6	997.3	920.1
35°	536.1	540.7	572.2	633.0	713.1	860.5	1047.8	1125.7	1054.6	953.3
37.5°	494.1	498.4	529.7	591.4	680.0	836.9	1064.0	1187.9	1122.9	1001.2
40°	451.8	456.0	485.3	545.0	640.4	806.7	1069.7	1248.7	1201.2	1067.1
42.5°	413.1	416.8	443.7	499.3	596.0	768.2	1062.3	1301.6	1271.5	1113.0
45°	377.4	380.7	404.6	456.4	549.8	721.4	1040.0	1358.5	1355.0	1145.9
47.5°	336.7	340.0	364.7	414.8	503.7	666.5	1002.1	1414.5	1471.2	1220.3
50°	287.1	289.9	315.3	366.9	455.8	608.0	949.6	1458.5	1617.8	1332.9
52.5°	228.2	231.3	256.0	307.6	398.9	545.3	880.5	1487.2	1787.2	1497.5
55°	169.8	172.0	193.4	239.8	328.4	473.7	793.8	1495.3	1979.3	1722.4
57.5°	123.2	124.5	138.3	172.9	249.0	384.2	688.6	1474.3	2207.9	2010.8
60°	99.8	100.2	104.4	119.7	173.1	283.1	561.4	1402.1	2456.0	2382.5
62.5°	90.6	90.6	91.7	95.8	117.1	186.9	407.6	1252.4	2722.1	2852.3
65°	84.2	84.2	84.7	86.6	92.3	119.0	257.3	1008.7	2946.4	3402.6
67.5°	78.5	78.8	78.5	79.2	82.5	88.0	149.2	696.7	3067.2	3972.8
70°	72.6	73.1	72.0	72.0	74.6	74.8	93.4	382.0	2966.9	4450.6
72.5°	65.6	66.3	64.5	64.1	66.1	65.2	70.2	183.4	2547.3	4593.3
75°	59.5	60.4	56.5	55.4	55.4	54.7	57.1	94.1	1653.3	3747.0
77.5°	54.0	55.8	49.4	45.9	45.1	43.1	46.6	57.5	723.1	1759.2
80°	44.6	47.0	40.7	36.5	35.0	32.8	36.8	40.3	215.1	408.5
82.5°	33.3	34.4	28.9	26.0	24.7	23.2	27.6	28.0	70.0	144.6
85°	21.2	21.7	17.7	15.3	14.7	14.0	17.5	15.3	26.7	106.3
87.5°	7.4	8.5	6.8	6.1	6.6	5.5	8.1	4.6	7.4	75.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

769.3  
769.7  
774.8  
780.0  
782.0  
783.7  
788.1  
797.7  
812.4  
828.2  
847.4  
870.4  
887.5  
906.5  
938.2  
981.1  
1045.7  
1085.5  
1108.7  
1177.4  
1279.1  
1431.2  
1639.5  
1906.4  
2251.0  
2676.2  
3179.8  
3732.3  
4387.4  
4759.6  
4007.8  
1722.6  
391.2  
163.4  
154.5  
93.0  
0.0

OF REPORT)