

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: P943893

Luminaire Tested: **GALN-SB8C-830-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943893
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-SB8C-830-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53831 lumens
Efficiency: N/A
Efficacy: 134.6 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

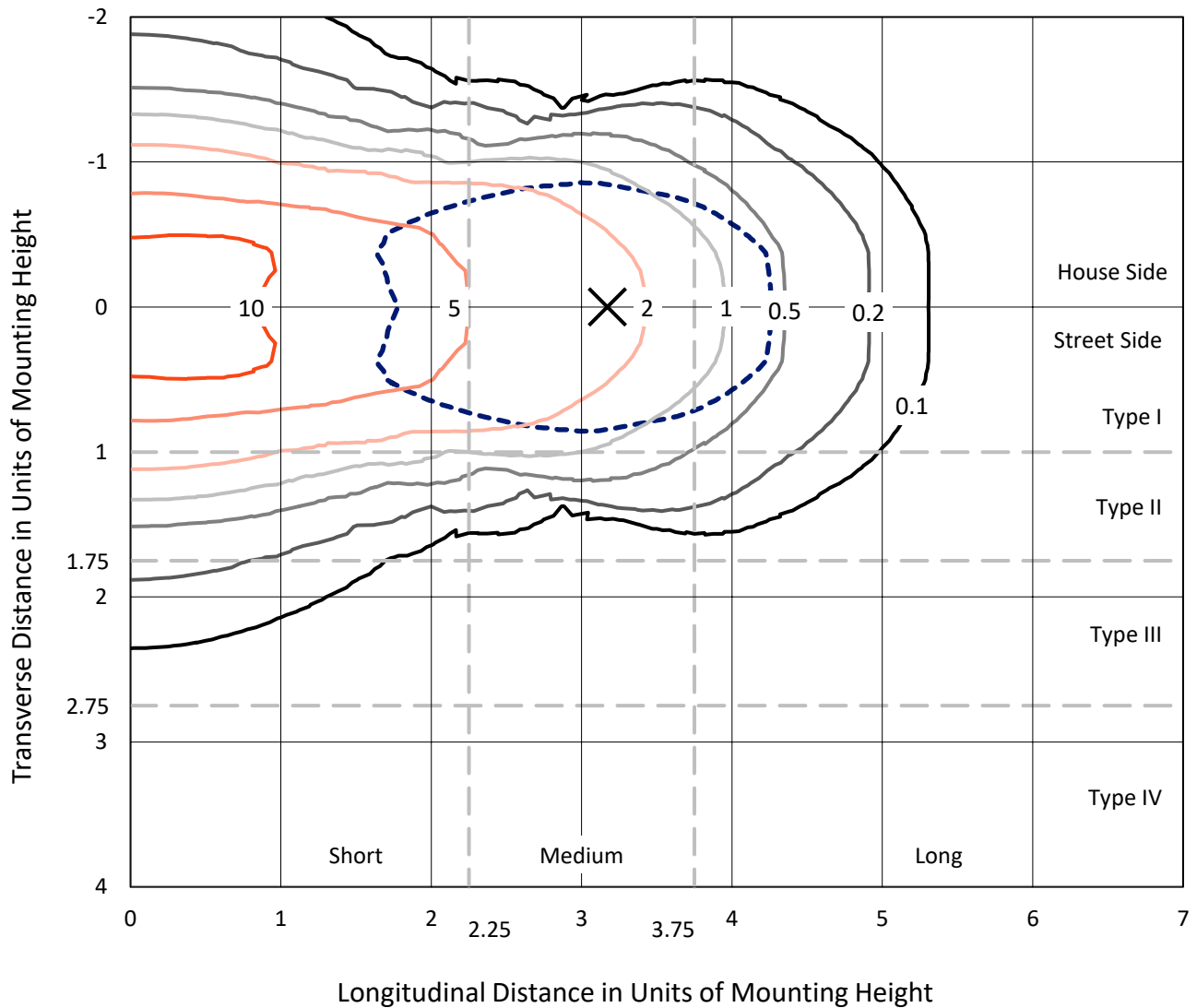
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P943893
 CATALOG NUMBER: GALN-SB8C-830-U-T1

Iso-Footcandle Lines of Horizontal Illumination

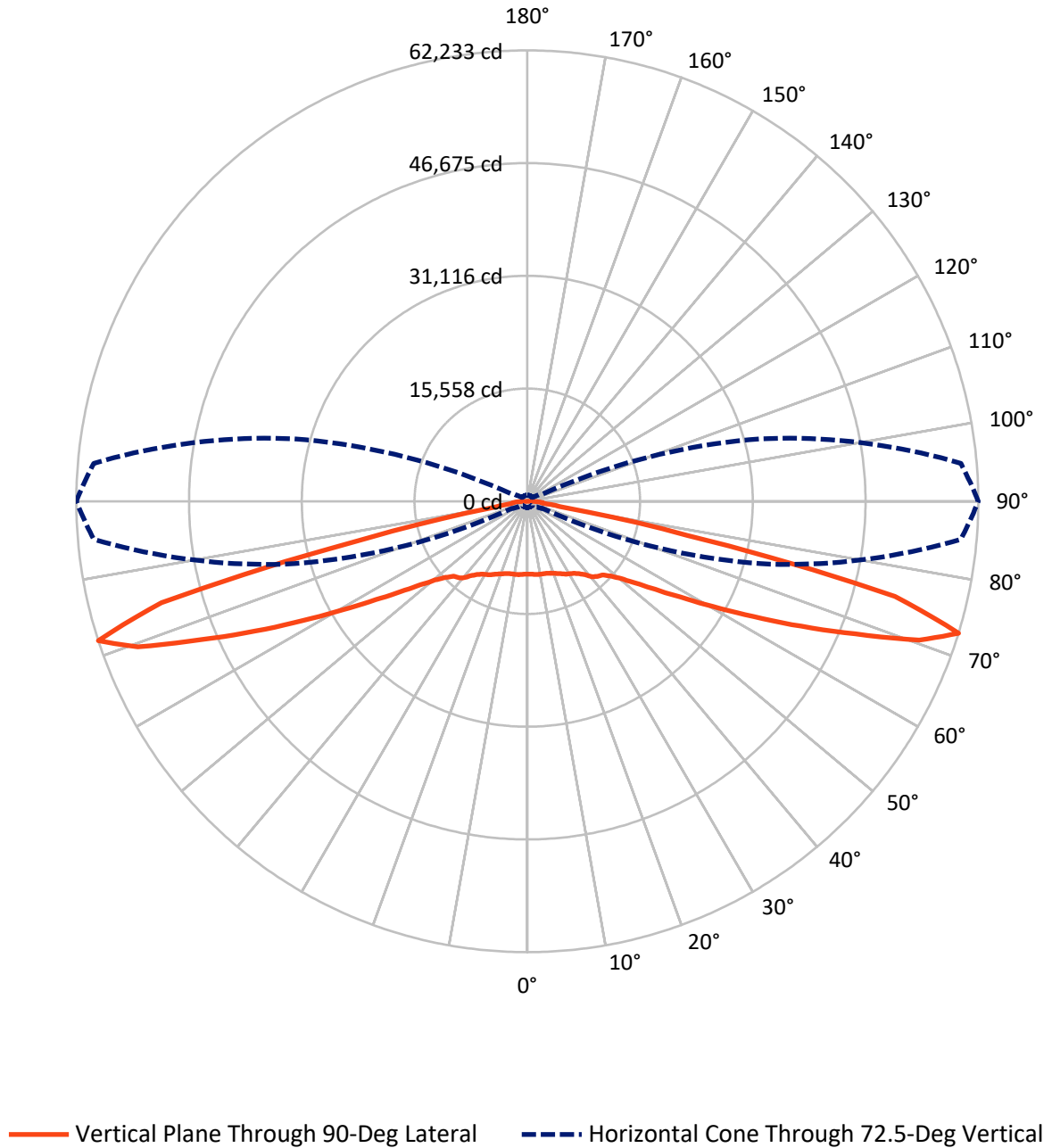
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.1 fc
 Type I - Short - N/A

REPORT NUMBER: P943893
CATALOG NUMBER: GALN-SB8C-830-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P943893

CATALOG NUMBER: GALN-SB8C-830-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26915.5	0.0	26915.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26915.5	0.0	26915.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	53831.0	0.0	53831.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	975.3	1.8
10°-20°	2982.2	5.5
20°-30°	4972.5	9.2
30°-40°	6838.7	12.7
40°-50°	8352.0	15.5
50°-60°	9659.9	17.9
60°-70°	11517.9	21.4
70°-80°	8038.7	14.9
80°-90°	493.7	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°	53831.0	100.0
0°-180°	53831.0	100.0

Coefficient of Utilization

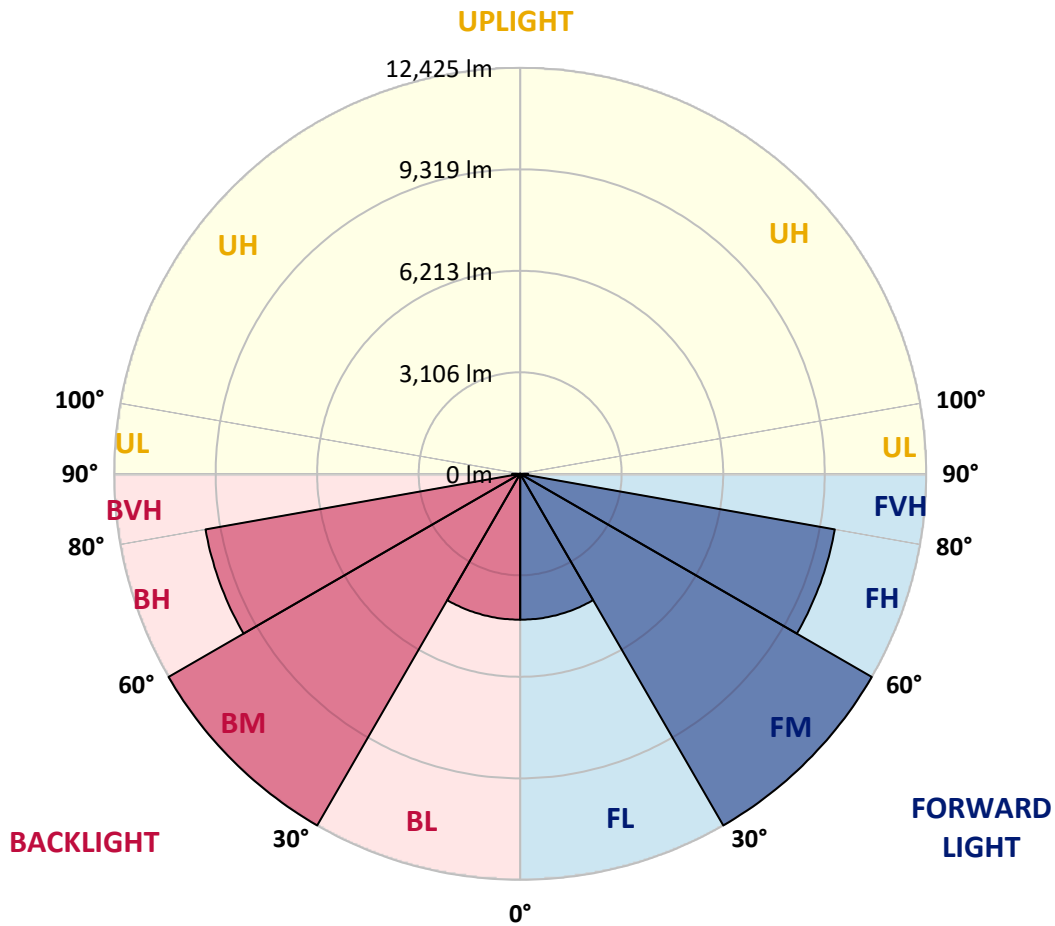


REPORT NUMBER: P943893
 CATALOG NUMBER: GALN-SB8C-830-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4465.0	8.3			
FM (30°-60°)	12425.3	23.1			
FH (60°-80°)	9778.3	18.2			G4/12000
FVH (80°-90°)	246.9	0.5			G3/500
BL (0°-30°)	4465.0	8.3	B4/5000		
BM (30°-60°)	12425.3	23.1	B5		
BH (60°-80°)	9778.3	18.2	B5		G5
BVH (80°-90°)	246.9	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: P943893
 CATALOG NUMBER: GALN-SB8C-830-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10058.9	10058.9	10058.9	10058.9	10058.9	10058.9	10058.9	10058.9	10058.9	10058.9
2.5°	10067.5	10078.9	10078.9	10070.3	10090.4	10073.2	10073.2	10064.6	10073.2	10064.6
5°	10119.0	10133.3	10139.0	10136.1	10161.9	10147.6	10147.6	10136.1	10139.0	10130.4
7.5°	10216.2	10236.3	10247.7	10262.0	10299.2	10282.0	10270.6	10236.3	10222.0	10199.1
10°	10247.7	10270.6	10307.8	10382.2	10468.0	10470.9	10436.5	10350.7	10284.9	10233.4
12.5°	10150.4	10181.9	10259.2	10410.8	10602.5	10679.7	10625.3	10482.3	10353.6	10262.0
15°	10027.4	10061.8	10179.0	10407.9	10691.1	10871.4	10865.7	10676.8	10470.9	10327.8
17.5°	9835.7	9870.1	10038.9	10359.3	10759.8	11057.3	11137.4	10942.9	10654.0	10462.3
20°	9489.6	9521.0	9755.6	10204.8	10782.7	11254.7	11463.6	11291.9	10931.5	10671.1
22.5°	9040.4	9089.0	9363.7	9938.7	10728.3	11460.7	11835.5	11718.2	11254.7	10894.3
25°	8559.8	8611.3	8931.7	9612.6	10588.2	11609.5	12276.1	12201.7	11620.9	11171.8
27.5°	8145.0	8199.3	8548.3	9289.3	10370.7	11666.7	12710.9	12748.1	12064.4	11477.9
30°	7818.8	7870.3	8242.2	9029.0	10090.4	11609.5	13091.4	13348.9	12516.4	11744.0
32.5°	7461.2	7527.0	7918.9	8711.4	9758.5	11472.2	13423.3	13998.3	13039.9	12030.0
35°	7009.2	7069.3	7481.2	8276.6	9323.6	11251.9	13700.8	14719.3	13789.5	12464.9
37.5°	6459.9	6517.1	6926.2	7733.0	8891.6	10942.9	13912.5	15531.8	14682.1	13091.4
40°	5907.7	5962.1	6345.5	7126.5	8373.8	10548.1	13986.9	16327.1	15706.3	13952.6
42.5°	5401.4	5450.0	5801.9	6528.6	7793.1	10044.6	13889.6	17019.4	16624.6	14553.3
45°	4935.0	4977.9	5289.8	5967.8	7189.4	9432.4	13597.8	17763.3	17717.5	14982.5
47.5°	4402.9	4445.8	4769.1	5424.2	6585.8	8714.3	13102.9	18495.7	19236.6	15955.2
50°	3753.5	3790.7	4122.5	4797.7	5959.2	7950.4	12416.3	19070.7	21153.4	17428.5
52.5°	2983.9	3024.0	3347.2	4022.4	5215.4	7129.3	11512.2	19445.5	23367.8	19579.9
55°	2220.1	2248.7	2529.0	3135.5	4294.2	6193.8	10379.3	19551.3	25879.6	22520.9
57.5°	1610.7	1627.8	1808.1	2260.1	3255.7	5023.7	9003.2	19276.7	28869.2	26291.6
60°	1304.6	1310.3	1364.6	1564.9	2263.0	3702.0	7341.0	18332.6	32113.5	31152.2
62.5°	1184.4	1184.4	1198.7	1253.1	1530.6	2443.2	5329.8	16375.7	35592.3	37294.6
65°	1101.4	1101.4	1107.2	1132.9	1207.3	1556.3	3364.4	13188.7	38524.7	44489.7
67.5°	1027.1	1029.9	1027.1	1035.6	1078.6	1150.1	1951.1	9109.1	40104.0	51945.2
70°	949.8	955.5	941.2	941.2	975.6	978.4	1221.6	4995.1	38793.7	58193.4
72.5°	858.3	866.8	844.0	838.2	864.0	852.5	918.3	2397.4	33306.5	60058.7
75°	778.2	789.6	738.1	723.8	723.8	715.2	746.7	1230.2	21616.9	48992.7
77.5°	706.6	729.5	646.6	600.8	589.3	563.6	609.4	752.4	9455.2	23001.6
80°	583.6	615.1	532.1	477.8	457.7	429.1	480.6	526.4	2812.3	5341.3
82.5°	434.9	449.2	377.6	340.4	323.3	303.3	360.5	366.2	915.5	1891.0
85°	277.5	283.2	231.7	200.3	191.7	183.1	228.9	200.3	349.0	1390.4
87.5°	97.3	111.6	88.7	80.1	85.8	71.5	105.9	60.1	97.3	981.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

10058.9
10064.6
10130.4
10199.1
10224.8
10247.7
10304.9
10430.8
10622.5
10828.5
11080.2
11380.6
11603.8
11852.7
12267.5
12828.2
13672.2
14192.9
14496.1
15394.5
16724.8
18713.1
21436.7
24926.9
29432.8
34991.6
41577.3
48801.1
57366.6
62232.9
52402.9
22523.8
5115.3
2137.1
2019.8
1215.9
0.0

OF REPORT)