

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: P942873

Luminaire Tested: **GALN-SB7A-830-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942873
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-SB7A-830-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28357 lumens
Efficiency: N/A
Efficacy: 142.4 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

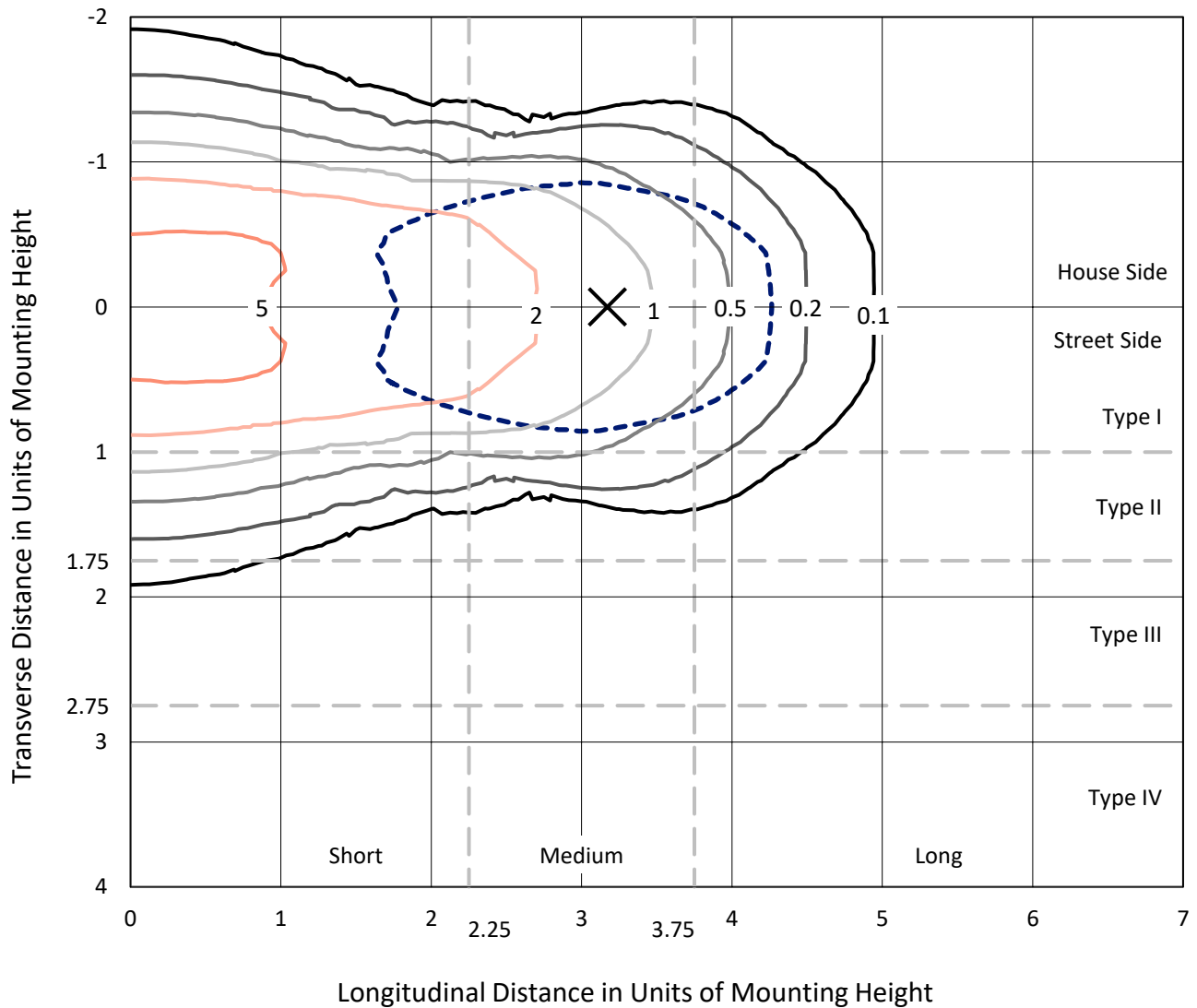
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

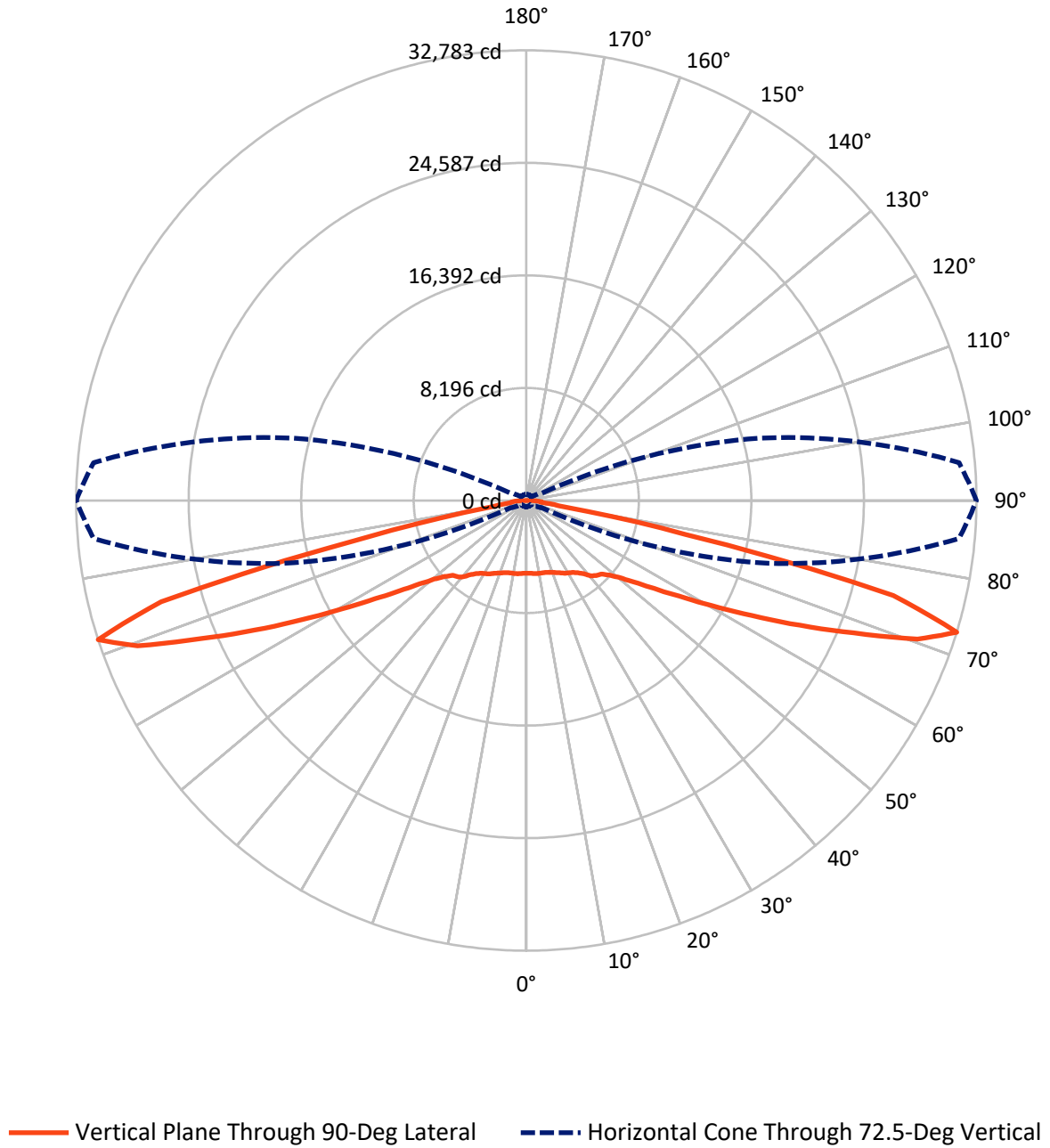
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14178.5	0.0	14178.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14178.5	0.0	14178.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28357.0	0.0	28357.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	513.8	1.8
10°-20°	1570.9	5.5
20°-30°	2619.4	9.2
30°-40°	3602.5	12.7
40°-50°	4399.6	15.5
50°-60°	5088.6	17.9
60°-70°	6067.4	21.4
70°-80°	4234.6	14.9
80°-90°	260.1	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°	28357.0	100.0
0°-180°	28357.0	100.0

Coefficient of Utilization



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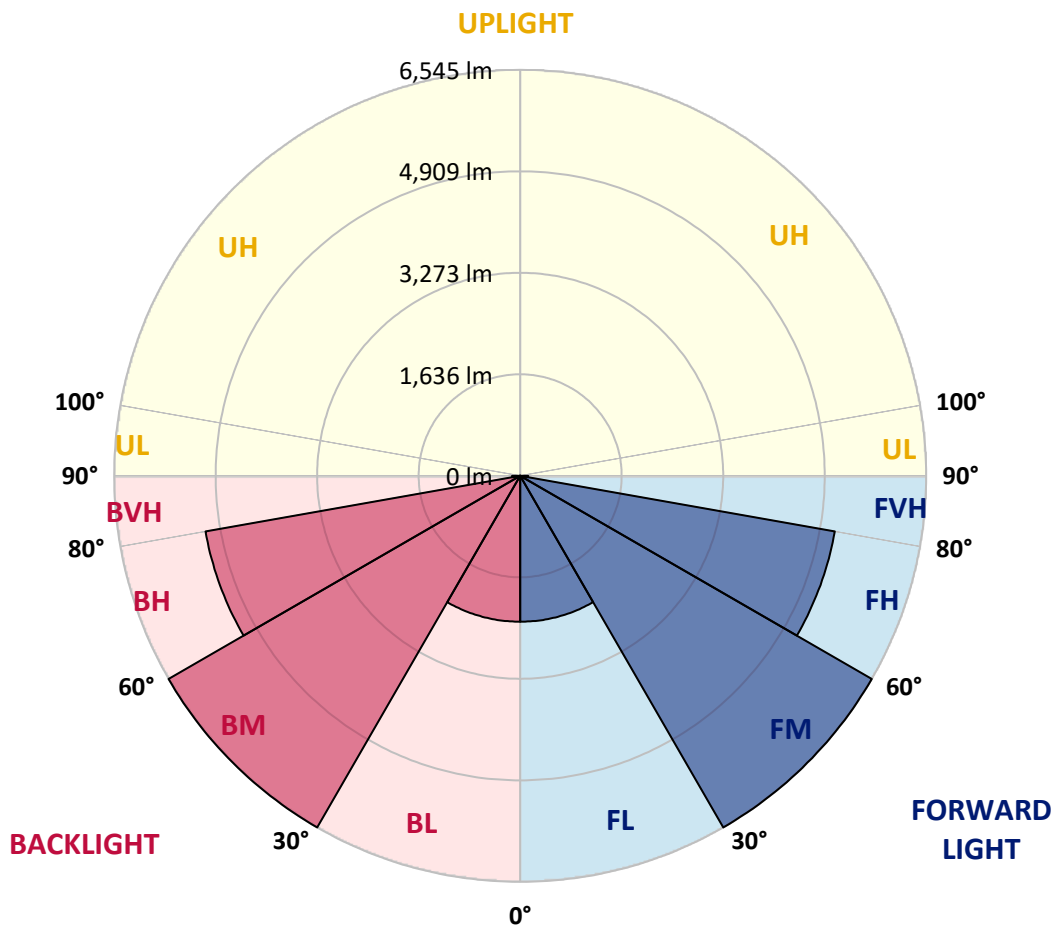
CATALOG NUMBER: GALN-SB7A-830-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2352.1	8.3			
FM (30°-60°)	6545.4	23.1			
FH (60°-80°)	5151.0	18.2			G3/7500
FVH (80°-90°)	130.0	0.5			G2/225
BL (0°-30°)	2352.1	8.3	B3/2500		
BM (30°-60°)	6545.4	23.1	B4/8500		
BH (60°-80°)	5151.0	18.2	B5		G5
BVH (80°-90°)	130.0	0.5			G2/225
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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5298.8	5298.8	5298.8	5298.8	5298.8	5298.8	5298.8	5298.8	5298.8	5298.8
2.5°	5303.3	5309.4	5309.4	5304.8	5315.4	5306.3	5306.3	5301.8	5306.3	5301.8
5°	5330.5	5338.0	5341.0	5339.5	5353.1	5345.5	5345.5	5339.5	5341.0	5336.5
7.5°	5381.7	5392.2	5398.3	5405.8	5425.4	5416.4	5410.3	5392.2	5384.7	5372.7
10°	5398.3	5410.3	5429.9	5469.1	5514.3	5515.8	5497.7	5452.5	5417.9	5390.7
12.5°	5347.0	5363.6	5404.3	5484.2	5585.1	5625.8	5597.2	5521.8	5454.0	5405.8
15°	5282.2	5300.3	5362.1	5482.7	5631.9	5726.8	5723.8	5624.3	5515.8	5440.5
17.5°	5181.3	5199.3	5288.3	5457.0	5668.0	5824.8	5867.0	5764.5	5612.3	5511.3
20°	4998.9	5015.5	5139.1	5375.7	5680.1	5928.8	6038.8	5948.3	5758.5	5621.3
22.5°	4762.3	4787.9	4932.6	5235.5	5651.5	6037.3	6234.7	6172.9	5928.8	5738.9
25°	4509.1	4536.2	4705.0	5063.7	5577.6	6115.6	6466.8	6427.6	6121.7	5885.0
27.5°	4290.6	4319.2	4503.1	4893.4	5463.1	6145.8	6695.8	6715.4	6355.3	6046.3
30°	4118.8	4145.9	4341.8	4756.3	5315.4	6115.6	6896.3	7031.9	6593.4	6186.5
32.5°	3930.4	3965.1	4171.5	4589.0	5140.6	6043.3	7071.1	7374.0	6869.2	6337.2
35°	3692.3	3723.9	3940.9	4359.9	4911.5	5927.2	7217.3	7753.8	7264.0	6566.2
37.5°	3402.9	3433.1	3648.6	4073.6	4683.9	5764.5	7328.8	8181.8	7734.2	6896.3
40°	3112.1	3140.7	3342.6	3754.1	4411.1	5556.5	7368.0	8600.8	8273.7	7349.9
42.5°	2845.3	2870.9	3056.3	3439.1	4105.2	5291.3	7316.8	8965.5	8757.5	7666.4
45°	2599.7	2622.3	2786.5	3143.7	3787.2	4968.8	7163.0	9357.3	9333.2	7892.4
47.5°	2319.4	2342.0	2512.3	2857.4	3469.2	4590.5	6902.3	9743.1	10133.4	8404.8
50°	1977.3	1996.8	2171.7	2527.3	3139.2	4188.1	6540.6	10046.0	11143.2	9181.0
52.5°	1571.9	1593.0	1763.3	2118.9	2747.4	3755.6	6064.4	10243.5	12309.6	10314.3
55°	1169.5	1184.5	1332.2	1651.7	2262.1	3262.8	5467.6	10299.2	13632.8	11863.5
57.5°	848.5	857.5	952.5	1190.6	1715.0	2646.4	4742.7	10154.5	15207.7	13849.8
60°	687.2	690.2	718.9	824.4	1192.1	1950.1	3867.1	9657.2	16916.7	16410.3
62.5°	623.9	623.9	631.5	660.1	806.3	1287.0	2807.6	8626.4	18749.3	19646.0
65°	580.2	580.2	583.2	596.8	636.0	819.8	1772.3	6947.5	20294.0	23436.2
67.5°	541.0	542.5	541.0	545.6	568.2	605.8	1027.8	4798.5	21125.9	27363.6
70°	500.3	503.4	495.8	495.8	513.9	515.4	643.5	2631.3	20435.7	30655.0
72.5°	452.1	456.6	444.6	441.6	455.1	449.1	483.8	1262.9	17545.1	31637.6
75°	409.9	415.9	388.8	381.3	381.3	376.8	393.3	648.0	11387.3	25808.3
77.5°	372.2	384.3	340.6	316.5	310.5	296.9	321.0	396.4	4980.8	12116.7
80°	307.4	324.0	280.3	251.7	241.1	226.1	253.2	277.3	1481.4	2813.7
82.5°	229.1	236.6	198.9	179.3	170.3	159.7	189.9	192.9	482.3	996.2
85°	146.2	149.2	122.1	105.5	101.0	96.5	120.6	105.5	183.9	732.4
87.5°	51.2	58.8	46.7	42.2	45.2	37.7	55.8	31.6	51.2	516.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5298.8
5301.8
5336.5
5372.7
5386.2
5398.3
5428.4
5494.7
5595.7
5704.2
5836.8
5995.1
6112.6
6243.7
6462.3
6757.6
7202.2
7476.5
7636.2
8109.5
8810.2
9857.6
11292.4
13131.0
15504.6
18432.8
21902.0
25707.3
30219.5
32783.0
27604.7
11865.0
2694.6
1125.8
1064.0
640.5
0.0

OF REPORT)