

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: P938793

Luminaire Tested: **GALN-SB1A-830-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938793
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-830-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3989 lumens
Efficiency: N/A
Efficacy: 129.1 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

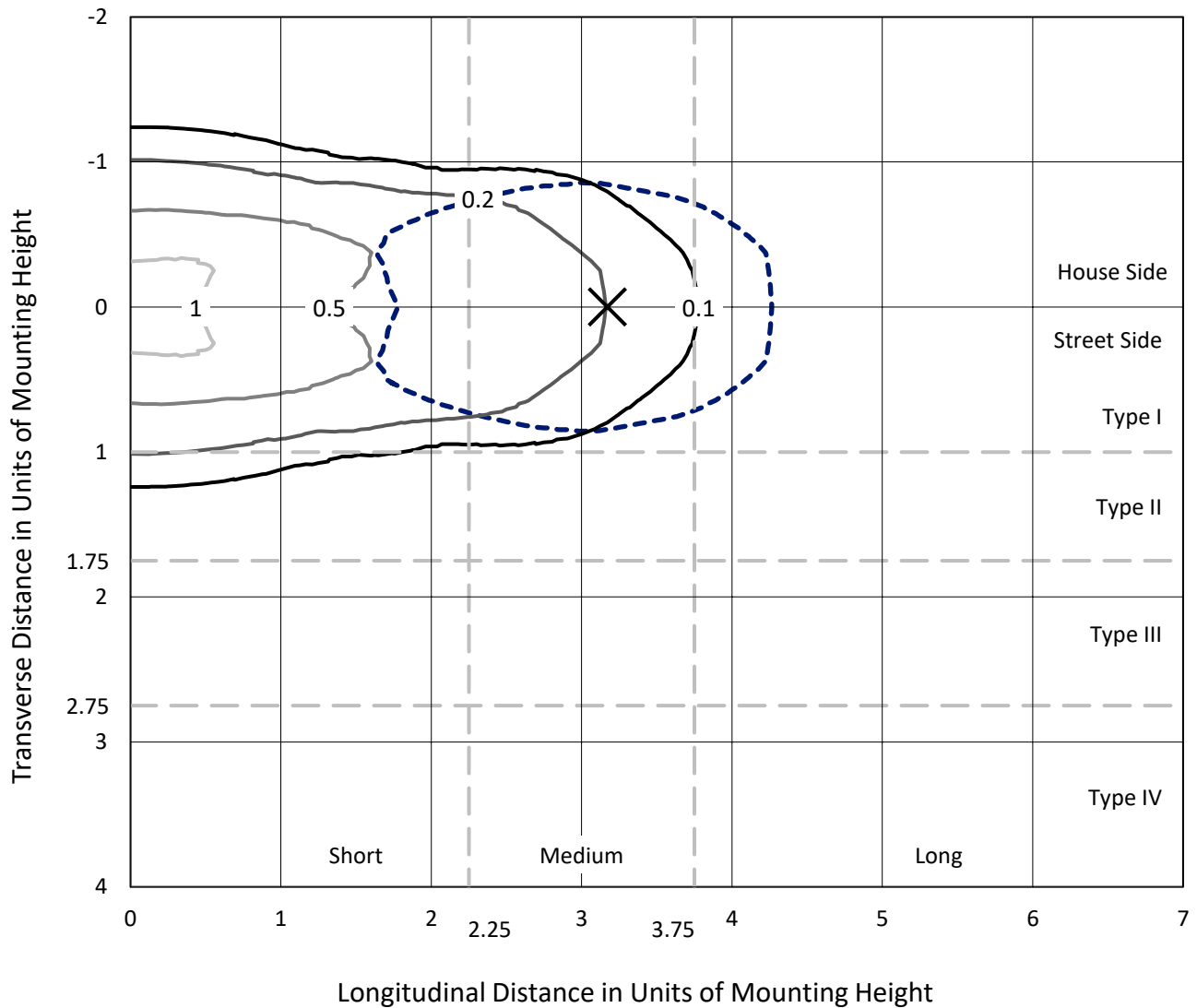
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P938793
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Iso-Footcandle Lines of Horizontal Illumination

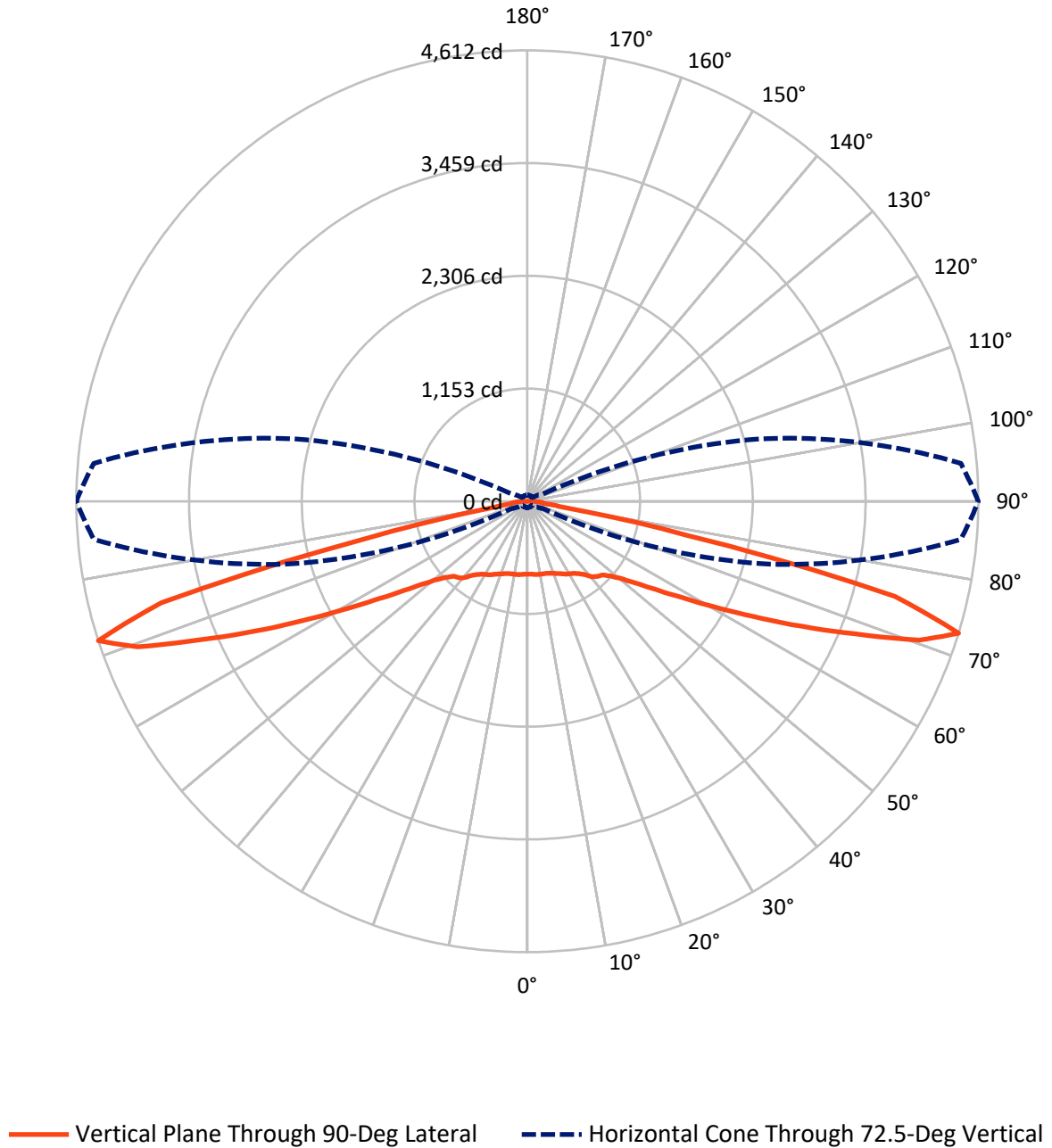
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P938793
CATALOG NUMBER: GALN-SB1A-830-U-T1

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1994.5	0.0	1994.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1994.5	0.0	1994.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3989.0	0.0	3989.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	1.8
10°-20°	221.0	5.5
20°-30°	368.5	9.2
30°-40°	506.8	12.7
40°-50°	618.9	15.5
50°-60°	715.8	17.9
60°-70°	853.5	21.4
70°-80°	595.7	14.9
80°-90°	36.6	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°	3989.0	100.0
0°-180°	3989.0	100.0

Coefficient of Utilization



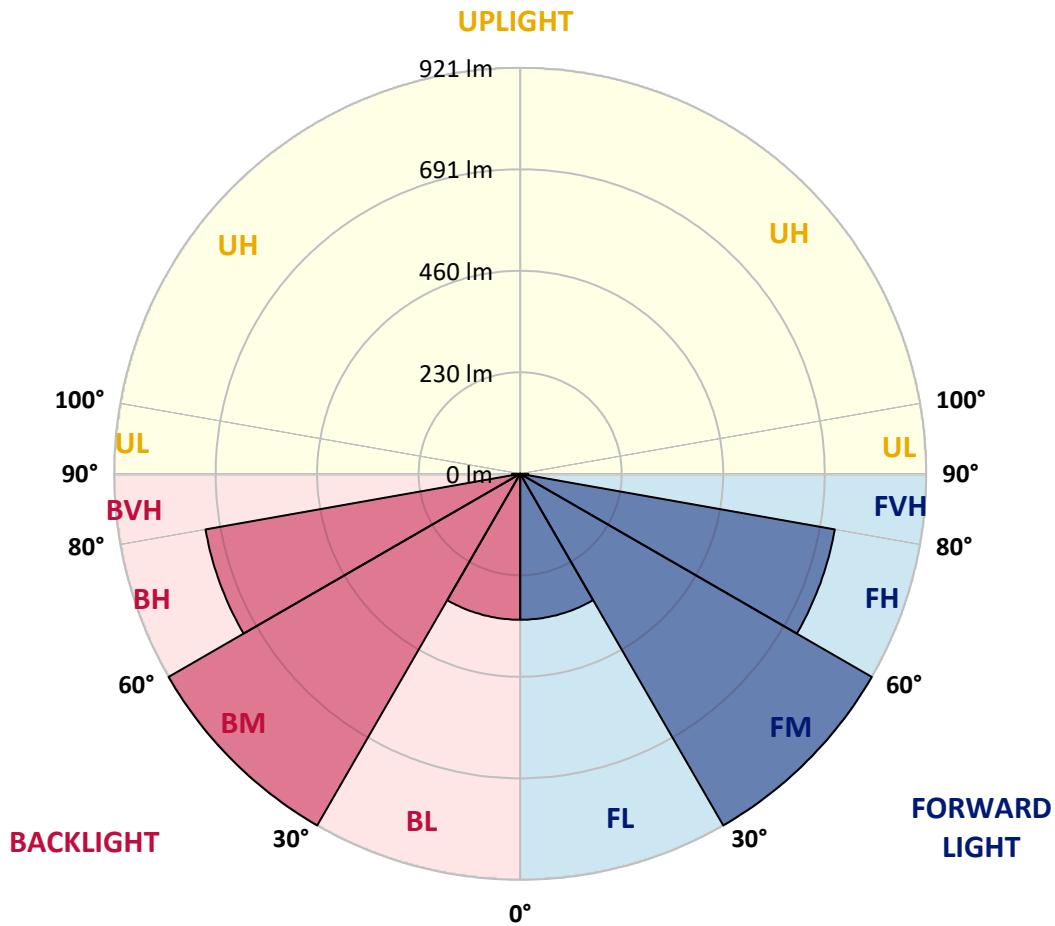
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	330.9	8.3			
FM (30°-60°)	920.7	23.1			
FH (60°-80°)	724.6	18.2			G1/1800
FVH (80°-90°)	18.3	0.5			G1/100
BL (0°-30°)	330.9	8.3	B1/500		
BM (30°-60°)	920.7	23.1	B1/1000		
BH (60°-80°)	724.6	18.2	B2/1000		G2/1000
BVH (80°-90°)	18.3	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: P938793

CATALOG NUMBER: GALN-SB1A-830-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	745.4	745.4	745.4	745.4	745.4	745.4	745.4	745.4	745.4	745.4
2.5°	746.0	746.9	746.9	746.2	747.7	746.4	746.4	745.8	746.4	745.8
5°	749.8	750.9	751.3	751.1	753.0	752.0	752.0	751.1	751.3	750.7
7.5°	757.0	758.5	759.4	760.4	763.2	761.9	761.1	758.5	757.5	755.8
10°	759.4	761.1	763.8	769.3	775.7	775.9	773.4	767.0	762.1	758.3
12.5°	752.2	754.5	760.2	771.5	785.7	791.4	787.4	776.8	767.2	760.4
15°	743.1	745.6	754.3	771.3	792.2	805.6	805.2	791.2	775.9	765.3
17.5°	728.9	731.4	743.9	767.6	797.3	819.4	825.3	810.9	789.5	775.3
20°	703.2	705.5	722.9	756.2	799.0	834.0	849.5	836.8	810.0	790.8
22.5°	669.9	673.5	693.9	736.5	795.0	849.3	877.0	868.3	834.0	807.3
25°	634.3	638.1	661.9	712.3	784.6	860.3	909.7	904.2	861.1	827.9
27.5°	603.6	607.6	633.5	688.4	768.5	864.5	941.9	944.7	894.0	850.5
30°	579.4	583.2	610.8	669.1	747.7	860.3	970.1	989.2	927.5	870.3
32.5°	552.9	557.8	586.8	645.5	723.1	850.1	994.7	1037.3	966.3	891.5
35°	519.4	523.8	554.4	613.3	690.9	833.8	1015.3	1090.7	1021.8	923.7
37.5°	478.7	482.9	513.2	573.0	658.9	810.9	1030.9	1150.9	1088.0	970.1
40°	437.8	441.8	470.2	528.1	620.5	781.6	1036.5	1209.9	1163.9	1033.9
42.5°	400.3	403.9	429.9	483.8	577.5	744.3	1029.3	1261.2	1231.9	1078.4
45°	365.7	368.9	392.0	442.2	532.8	699.0	1007.6	1316.3	1312.9	1110.2
47.5°	326.3	329.4	353.4	401.9	488.0	645.7	971.0	1370.6	1425.5	1182.3
50°	278.1	280.9	305.5	355.5	441.6	589.1	920.1	1413.2	1567.5	1291.5
52.5°	221.1	224.1	248.0	298.1	386.5	528.3	853.1	1441.0	1731.6	1450.9
55°	164.5	166.6	187.4	232.4	318.2	459.0	769.1	1448.8	1917.7	1668.9
57.5°	119.4	120.6	134.0	167.5	241.3	372.3	667.2	1428.4	2139.3	1948.3
60°	96.7	97.1	101.1	116.0	167.7	274.3	544.0	1358.5	2379.7	2308.5
62.5°	87.8	87.8	88.8	92.9	113.4	181.0	395.0	1213.5	2637.5	2763.6
65°	81.6	81.6	82.0	84.0	89.5	115.3	249.3	977.3	2854.8	3296.8
67.5°	76.1	76.3	76.1	76.7	79.9	85.2	144.6	675.0	2971.8	3849.3
70°	70.4	70.8	69.7	69.7	72.3	72.5	90.5	370.1	2874.7	4312.3
72.5°	63.6	64.2	62.5	62.1	64.0	63.2	68.1	177.7	2468.1	4450.5
75°	57.7	58.5	54.7	53.6	53.6	53.0	55.3	91.2	1601.9	3630.5
77.5°	52.4	54.1	47.9	44.5	43.7	41.8	45.2	55.8	700.7	1704.5
80°	43.2	45.6	39.4	35.4	33.9	31.8	35.6	39.0	208.4	395.8
82.5°	32.2	33.3	28.0	25.2	24.0	22.5	26.7	27.1	67.8	140.1
85°	20.6	21.0	17.2	14.8	14.2	13.6	17.0	14.8	25.9	103.0
87.5°	7.2	8.3	6.6	5.9	6.4	5.3	7.8	4.5	7.2	72.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
745.4
745.8
750.7
755.8
757.7
759.4
763.6
772.9
787.2
802.4
821.1
843.3
859.9
878.3
909.0
950.6
1013.1
1051.7
1074.2
1140.8
1239.3
1386.7
1588.5
1847.1
2181.0
2593.0
3081.0
3616.3
4251.0
4611.6
3883.2
1669.1
379.1
158.4
149.7
90.1
0.0

OF REPORT)