

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: P942533

Luminaire Tested: **GALN-SB6C-830-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942533
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-SB6C-830-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 40369 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

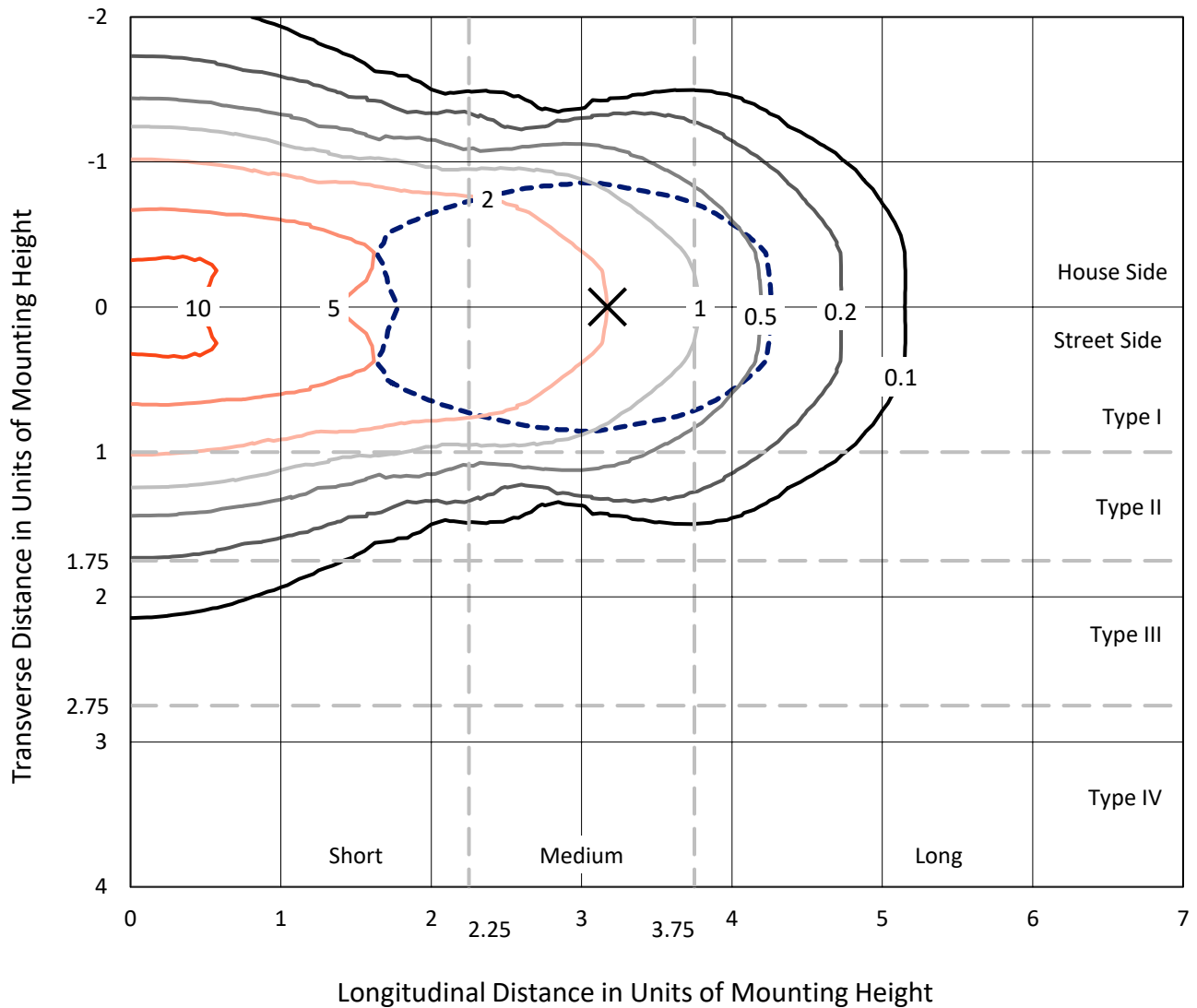
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

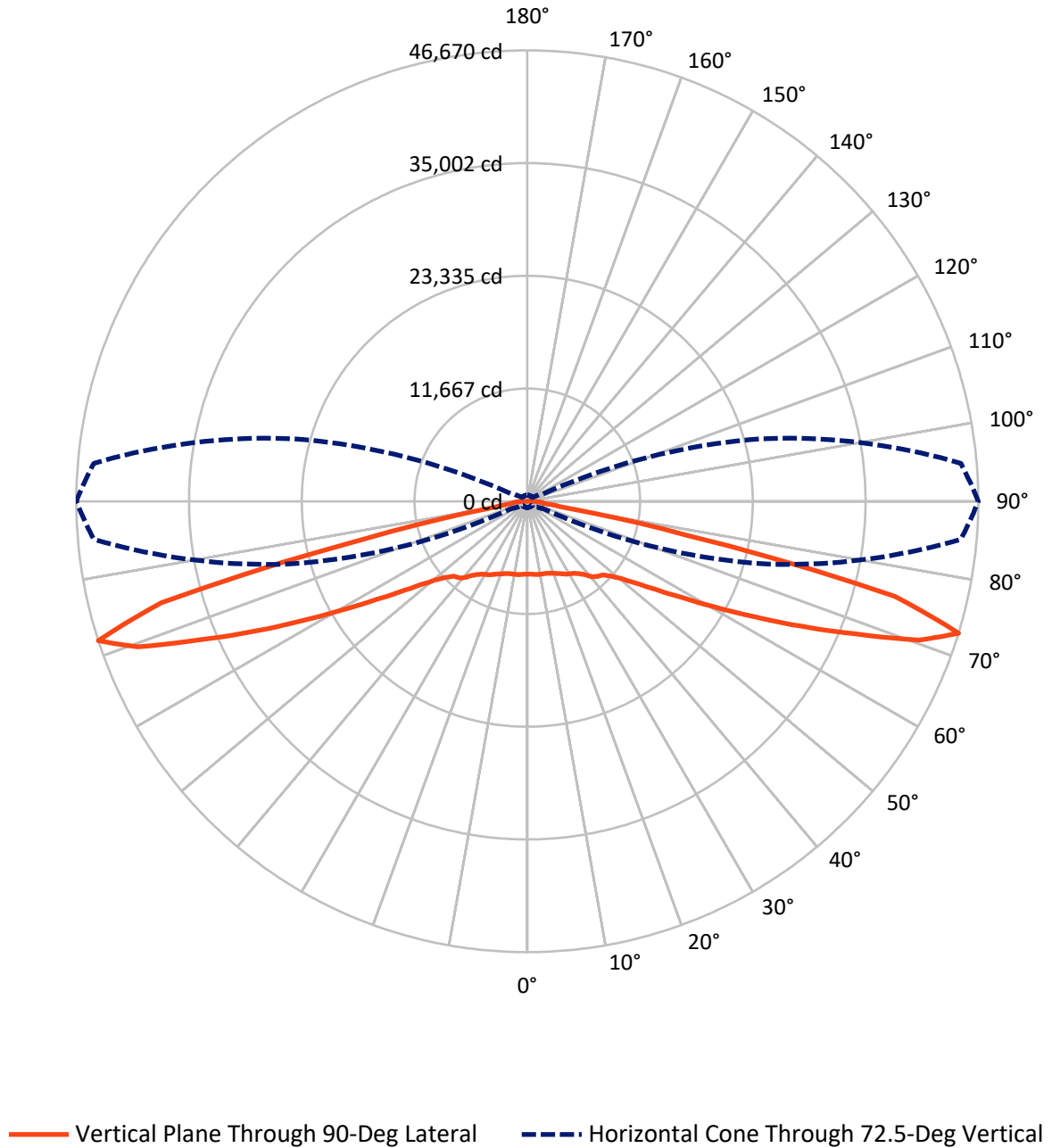
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 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	20184.5	0.0	20184.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20184.5	0.0	20184.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	40369.0	0.0	40369.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	731.4	1.8
10°-20°	2236.4	5.5
20°-30°	3729.0	9.2
30°-40°	5128.5	12.7
40°-50°	6263.3	15.5
50°-60°	7244.2	17.9
60°-70°	8637.5	21.4
70°-80°	6028.4	14.9
80°-90°	370.3	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°	40369.0	100.0
0°-180°	40369.0	100.0

Coefficient of Utilization



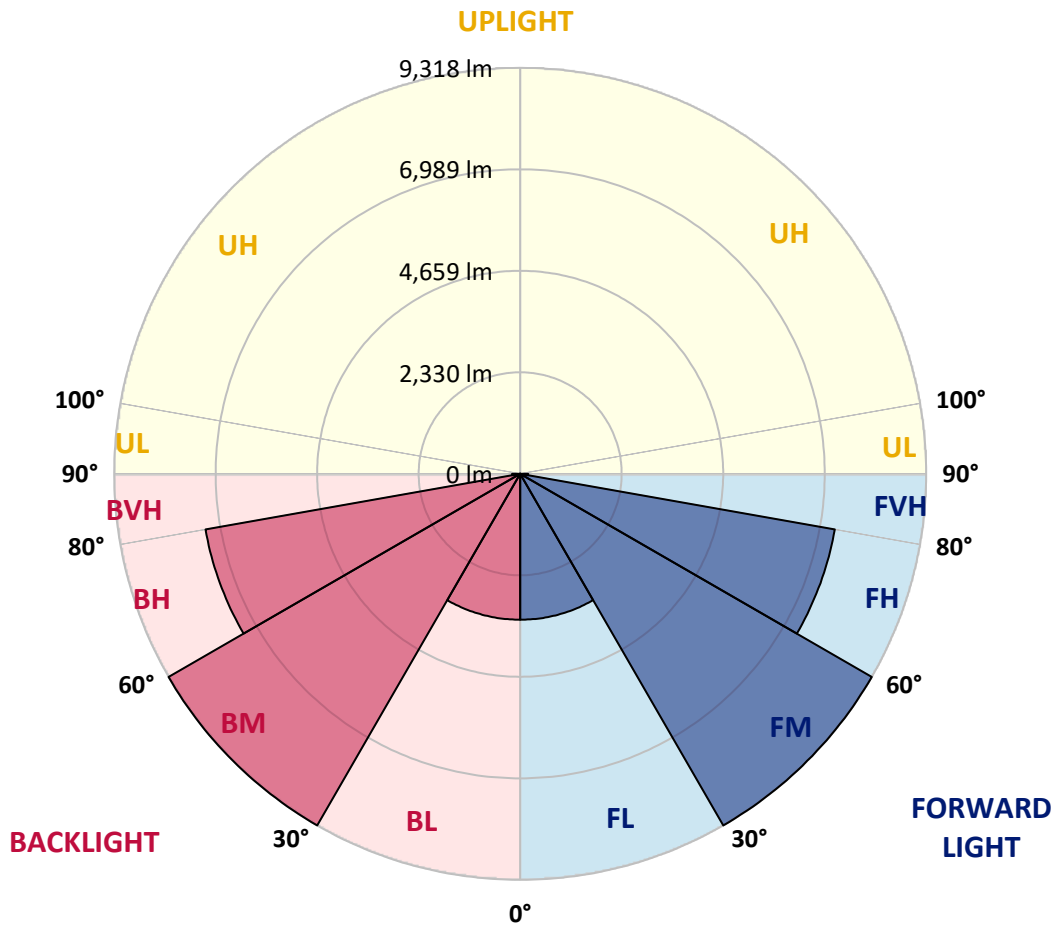
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3348.4	8.3			
FM (30°-60°)	9318.0	23.1			
FH (60°-80°)	7333.0	18.2			G3/7500
FVH (80°-90°)	185.1	0.5			G2/225
BL (0°-30°)	3348.4	8.3	B4/5000		
BM (30°-60°)	9318.0	23.1	B5		
BH (60°-80°)	7333.0	18.2	B5		G5
BVH (80°-90°)	185.1	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°	7543.4	7543.4	7543.4	7543.4	7543.4	7543.4	7543.4	7543.4	7543.4	7543.4
2.5°	7549.8	7558.4	7558.4	7552.0	7567.0	7554.1	7554.1	7547.7	7554.1	7547.7
5°	7588.4	7599.2	7603.4	7601.3	7620.6	7609.9	7609.9	7601.3	7603.4	7597.0
7.5°	7661.4	7676.4	7685.0	7695.7	7723.6	7710.7	7702.1	7676.4	7665.7	7648.5
10°	7685.0	7702.1	7730.0	7785.8	7850.2	7852.3	7826.6	7762.2	7712.9	7674.2
12.5°	7612.0	7635.6	7693.6	7807.3	7951.0	8008.9	7968.2	7860.9	7764.4	7695.7
15°	7519.8	7545.5	7633.5	7805.1	8017.5	8152.7	8148.4	8006.8	7852.3	7745.0
17.5°	7376.0	7401.8	7528.4	7768.6	8069.0	8292.1	8352.2	8206.3	7989.6	7845.9
20°	7116.4	7140.0	7316.0	7652.8	8086.2	8440.2	8596.8	8468.1	8197.7	8002.5
22.5°	6779.6	6816.1	7022.0	7453.3	8045.4	8594.6	8875.7	8787.7	8440.2	8169.8
25°	6419.2	6457.8	6698.1	7208.7	7940.3	8706.2	9206.1	9150.3	8714.8	8378.0
27.5°	6108.1	6148.8	6410.6	6966.2	7777.2	8749.1	9532.2	9560.1	9047.3	8607.5
30°	5863.5	5902.1	6181.0	6771.0	7567.0	8706.2	9817.5	10010.6	9386.3	8807.0
32.5°	5595.3	5644.7	5938.6	6532.9	7318.1	8603.2	10066.4	10497.6	9778.9	9021.6
35°	5256.3	5301.4	5610.3	6206.8	6992.0	8438.0	10274.5	11038.3	10341.0	9347.7
37.5°	4844.4	4887.3	5194.1	5799.1	6668.0	8206.3	10433.3	11647.6	11010.4	9817.5
40°	4430.3	4471.1	4758.6	5344.3	6279.7	7910.2	10489.1	12244.0	11778.5	10463.3
42.5°	4050.6	4087.1	4351.0	4895.9	5844.2	7532.6	10416.1	12763.2	12467.2	10913.9
45°	3700.9	3733.1	3966.9	4475.4	5391.5	7073.5	10197.3	13321.0	13286.7	11235.7
47.5°	3301.8	3334.0	3576.5	4067.8	4938.8	6535.0	9826.1	13870.3	14426.0	11965.1
50°	2814.8	2842.7	3091.6	3597.9	4469.0	5962.2	9311.2	14301.5	15863.4	13070.0
52.5°	2237.7	2267.7	2510.2	3016.5	3911.1	5346.4	8633.3	14582.6	17524.0	14683.4
55°	1664.9	1686.3	1896.6	2351.4	3220.3	4644.9	7783.7	14662.0	19407.7	16888.9
57.5°	1207.9	1220.8	1355.9	1694.9	2441.5	3767.4	6751.7	14456.0	21649.7	19716.6
60°	978.3	982.6	1023.4	1173.6	1697.0	2776.2	5505.2	13748.0	24082.6	23361.7
62.5°	888.2	888.2	898.9	939.7	1147.8	1832.2	3997.0	12280.5	26691.4	27968.0
65°	826.0	826.0	830.3	849.6	905.4	1167.1	2523.0	9890.5	28890.5	33363.8
67.5°	770.2	772.4	770.2	776.6	808.8	862.5	1463.2	6831.1	30074.8	38954.8
70°	712.3	716.6	705.9	705.9	731.6	733.7	916.1	3745.9	29092.2	43640.4
72.5°	643.6	650.1	632.9	628.6	647.9	639.3	688.7	1797.9	24977.2	45039.3
75°	583.6	592.1	553.5	542.8	542.8	536.4	560.0	922.5	16211.0	36740.7
77.5°	529.9	547.1	484.9	450.5	442.0	422.7	457.0	564.3	7090.7	17249.4
80°	437.7	461.3	399.1	358.3	343.3	321.8	360.4	394.8	2109.0	4005.5
82.5°	326.1	336.8	283.2	255.3	242.4	227.4	270.3	274.6	686.5	1418.1
85°	208.1	212.4	173.8	150.2	143.7	137.3	171.6	150.2	261.7	1042.7
87.5°	72.9	83.7	66.5	60.1	64.4	53.6	79.4	45.1	72.9	735.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7543.4
7547.7
7597.0
7648.5
7667.8
7685.0
7727.9
7822.3
7966.0
8120.5
8309.3
8534.6
8701.9
8888.6
9199.7
9620.2
10253.1
10643.5
10871.0
11544.6
12542.3
14033.3
16075.8
18693.2
22072.3
26240.9
31179.7
36596.9
43020.4
46669.8
39298.1
16891.1
3836.1
1602.6
1514.7
911.8
0.0

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