

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: P942193

Luminaire Tested: **GALN-SB6A-830-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942193  
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-SB6A-830-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 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: 24180 lumens  
Efficiency: N/A  
Efficacy: 141.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

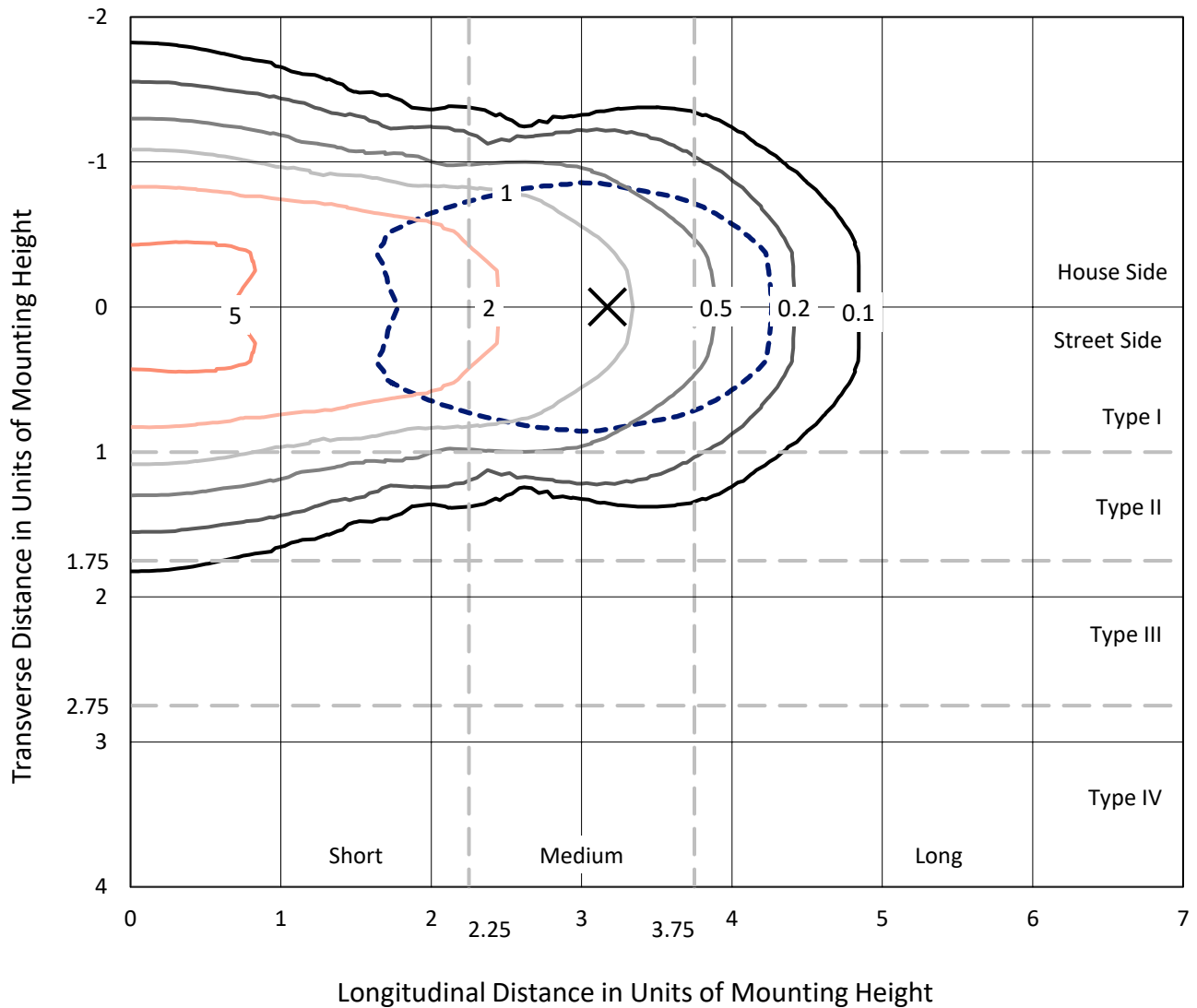
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

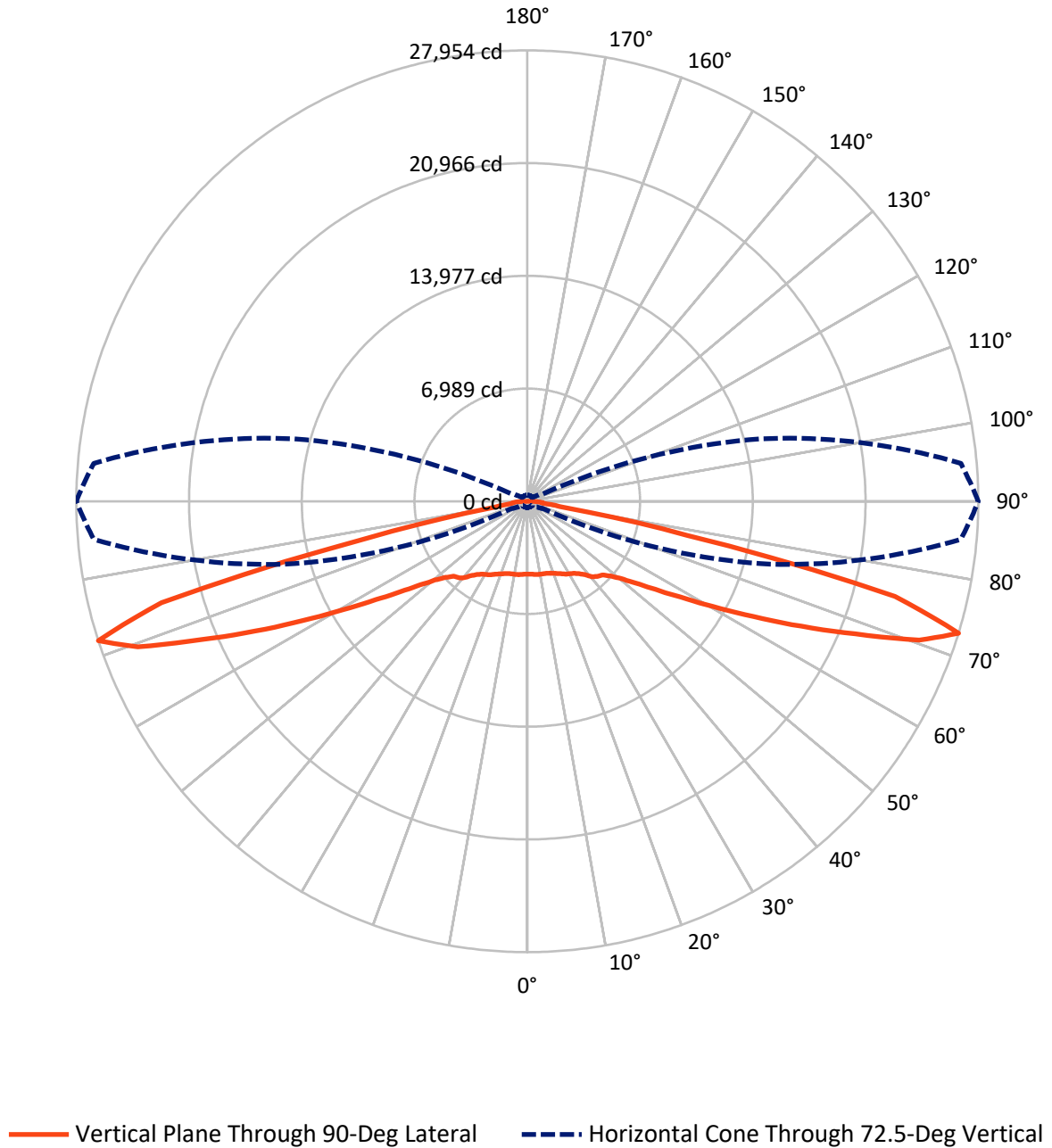
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12090.0	0.0	12090.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12090.0	0.0	12090.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24180.0	0.0	24180.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	438.1	1.8
10°-20°	1339.5	5.5
20°-30°	2233.6	9.2
30°-40°	3071.9	12.7
40°-50°	3751.6	15.5
50°-60°	4339.1	17.9
60°-70°	5173.6	21.4
70°-80°	3610.9	14.9
80°-90°	221.8	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°	24180.0	100.0
0°-180°	24180.0	100.0

**Coefficient of Utilization**



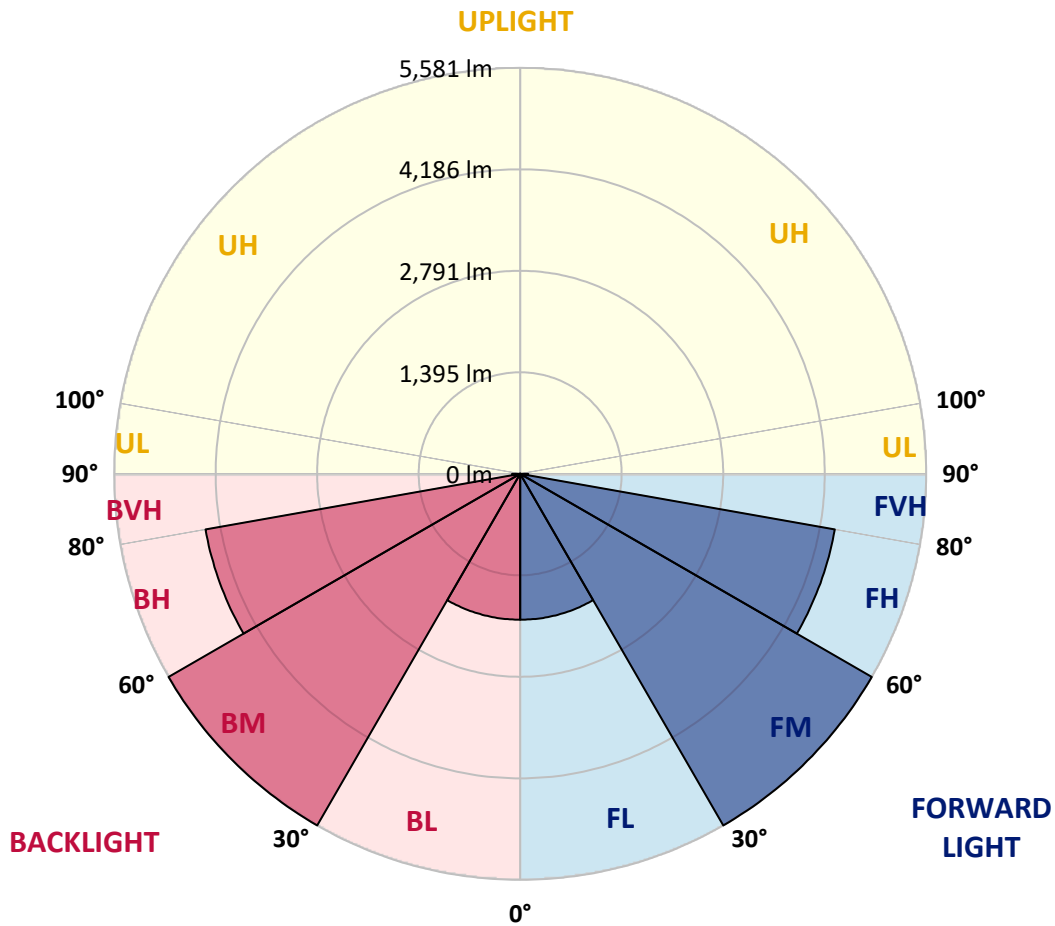
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2005.6	8.3			
FM (30°-60°)	5581.3	23.1			
FH (60°-80°)	4392.2	18.2			G2/5000
FVH (80°-90°)	110.9	0.5			G2/225
BL (0°-30°)	2005.6	8.3	B3/2500		
BM (30°-60°)	5581.3	23.1	B4/8500		
BH (60°-80°)	4392.2	18.2	B4/5000		G4/5000
BVH (80°-90°)	110.9	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4518.3	4518.3	4518.3	4518.3	4518.3	4518.3	4518.3	4518.3	4518.3	4518.3
2.5°	4522.1	4527.3	4527.3	4523.4	4532.4	4524.7	4524.7	4520.9	4524.7	4520.9
5°	4545.3	4551.7	4554.3	4553.0	4564.6	4558.1	4558.1	4553.0	4554.3	4550.4
7.5°	4589.0	4598.0	4603.1	4609.5	4626.2	4618.5	4613.4	4598.0	4591.5	4581.3
10°	4603.1	4613.4	4630.1	4663.5	4702.1	4703.3	4687.9	4649.4	4619.8	4596.7
12.5°	4559.4	4573.5	4608.2	4676.4	4762.5	4797.1	4772.7	4708.5	4650.6	4609.5
15°	4504.2	4519.6	4572.3	4675.1	4802.3	4883.2	4880.7	4795.9	4703.3	4639.1
17.5°	4418.1	4433.5	4509.3	4653.2	4833.1	4966.8	5002.8	4915.4	4785.6	4699.5
20°	4262.6	4276.7	4382.1	4583.8	4843.4	5055.4	5149.3	5072.2	4910.2	4793.3
22.5°	4060.8	4082.7	4206.0	4464.3	4819.0	5148.0	5316.3	5263.6	5055.4	4893.5
25°	3844.9	3868.0	4012.0	4317.8	4756.0	5214.8	5514.2	5480.8	5219.9	5018.2
27.5°	3658.6	3683.0	3839.8	4172.6	4658.4	5240.5	5709.5	5726.2	5419.1	5155.7
30°	3512.1	3535.2	3702.3	4055.7	4532.4	5214.8	5880.5	5996.1	5622.2	5275.2
32.5°	3351.4	3381.0	3557.1	3913.0	4383.4	5153.1	6029.5	6287.8	5857.3	5403.7
35°	3148.4	3175.4	3360.4	3717.7	4188.0	5054.2	6154.2	6611.7	6194.0	5599.0
37.5°	2901.7	2927.4	3111.1	3473.5	3994.0	4915.4	6249.3	6976.6	6595.0	5880.5
40°	2653.7	2678.1	2850.3	3201.1	3761.4	4738.0	6282.7	7333.9	7055.0	6267.3
42.5°	2426.2	2448.0	2606.1	2932.5	3500.5	4511.9	6239.0	7644.9	7467.5	6537.1
45°	2216.7	2236.0	2376.1	2680.6	3229.4	4236.9	6107.9	7979.0	7958.4	6729.9
47.5°	1977.7	1997.0	2142.2	2436.5	2958.2	3914.3	5885.6	8307.9	8640.8	7166.8
50°	1686.0	1702.7	1851.8	2155.1	2676.8	3571.2	5577.2	8566.2	9501.8	7828.6
52.5°	1340.3	1358.3	1503.5	1806.8	2342.7	3202.4	5171.1	8734.6	10496.4	8795.0
55°	997.2	1010.1	1136.0	1408.4	1928.9	2782.2	4662.2	8782.1	11624.7	10116.0
57.5°	723.5	731.2	812.2	1015.2	1462.4	2256.6	4044.1	8658.8	12967.6	11809.7
60°	586.0	588.6	613.0	702.9	1016.5	1662.9	3297.5	8234.7	14424.9	13993.1
62.5°	532.0	532.0	538.4	562.9	687.5	1097.4	2394.1	7355.7	15987.5	16752.1
65°	494.7	494.7	497.3	508.9	542.3	699.1	1511.2	5924.1	17304.7	19984.0
67.5°	461.3	462.6	461.3	465.2	484.5	516.6	876.4	4091.6	18014.0	23332.9
70°	426.6	429.2	422.8	422.8	438.2	439.5	548.7	2243.7	17425.5	26139.5
72.5°	385.5	389.4	379.1	376.5	388.1	382.9	412.5	1076.9	14960.7	26977.4
75°	349.5	354.7	331.5	325.1	325.1	321.3	335.4	552.6	9710.0	22006.7
77.5°	317.4	327.7	290.4	269.9	264.7	253.2	273.7	338.0	4247.1	10331.9
80°	262.2	276.3	239.0	214.6	205.6	192.8	215.9	236.5	1263.2	2399.2
82.5°	195.3	201.8	169.6	152.9	145.2	136.2	161.9	164.5	411.2	849.4
85°	124.7	127.2	104.1	90.0	86.1	82.2	102.8	90.0	156.8	624.5
87.5°	43.7	50.1	39.8	36.0	38.6	32.1	47.5	27.0	43.7	440.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4518.3  
4520.9  
4550.4  
4581.3  
4592.8  
4603.1  
4628.8  
4685.3  
4771.4  
4864.0  
4977.1  
5112.0  
5212.2  
5324.0  
5510.4  
5762.2  
6141.3  
6375.2  
6511.4  
6914.9  
7512.5  
8405.6  
9629.0  
11196.8  
13220.7  
15717.6  
18675.8  
21920.6  
25768.1  
27954.0  
23538.5  
10117.3  
2297.7  
959.9  
907.3  
546.2  
0.0

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