

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: P941173

Luminaire Tested: **GALN-SB4C-830-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941173  
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-SB4C-830-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 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: 26680 lumens  
Efficiency: N/A  
Efficacy: 132.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

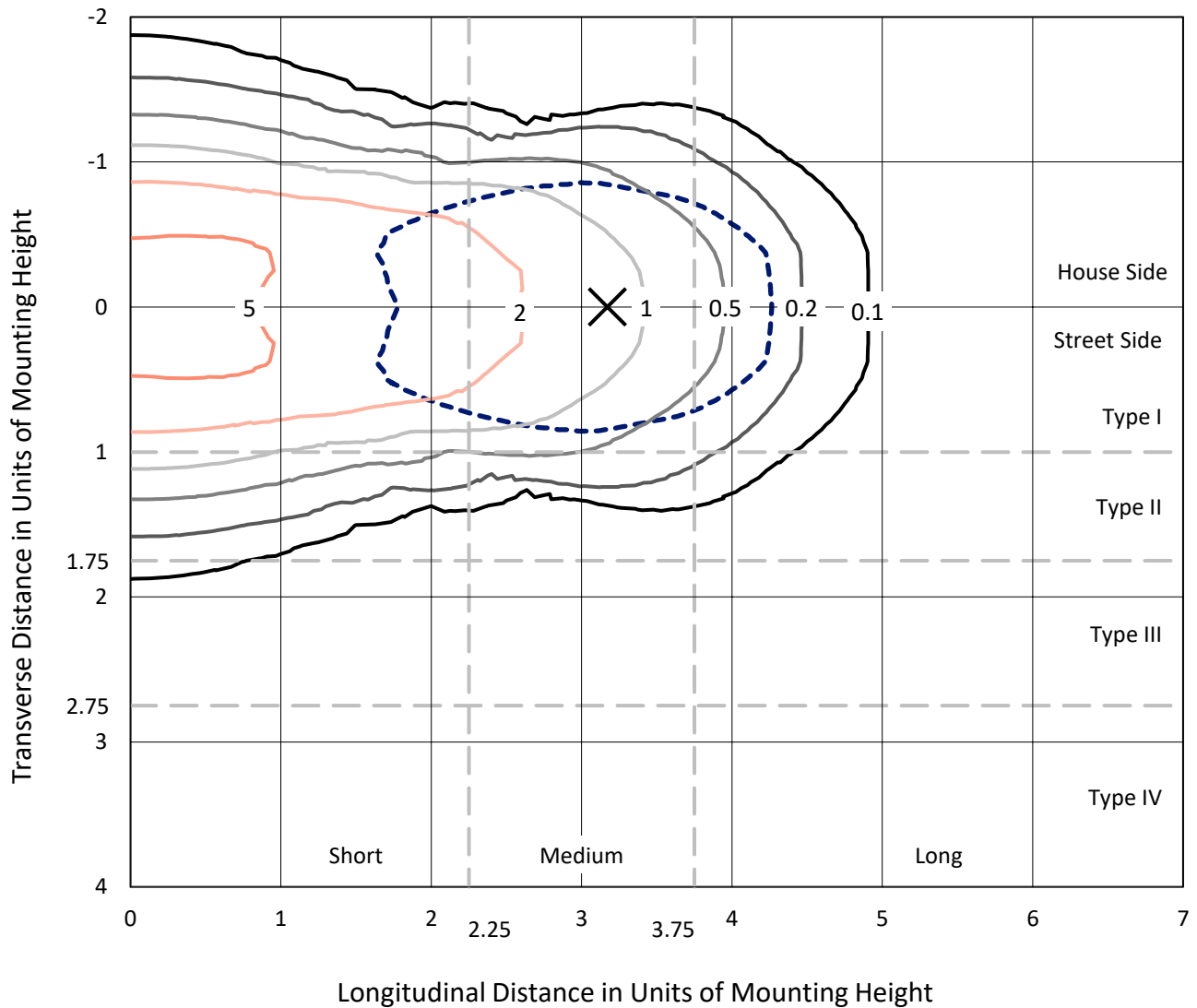
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

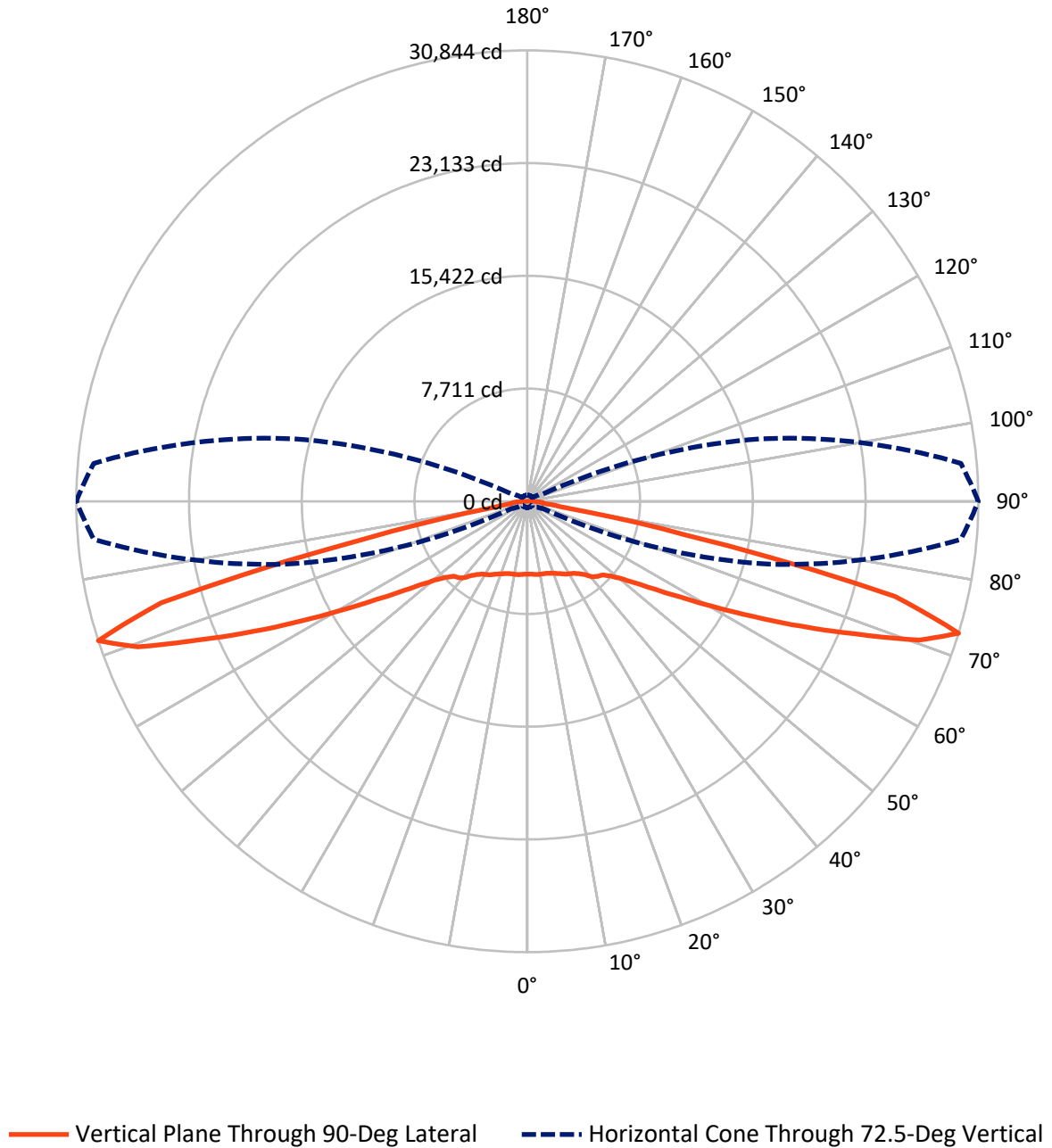
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 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	13340.0	0.0	13340.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13340.0	0.0	13340.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26680.0	0.0	26680.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	483.4	1.8
10°-20°	1478.0	5.5
20°-30°	2464.5	9.2
30°-40°	3389.4	12.7
40°-50°	4139.4	15.5
50°-60°	4787.7	17.9
60°-70°	5708.6	21.4
70°-80°	3984.2	14.9
80°-90°	244.7	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°	26680.0	100.0
0°-180°	26680.0	100.0

**Coefficient of Utilization**



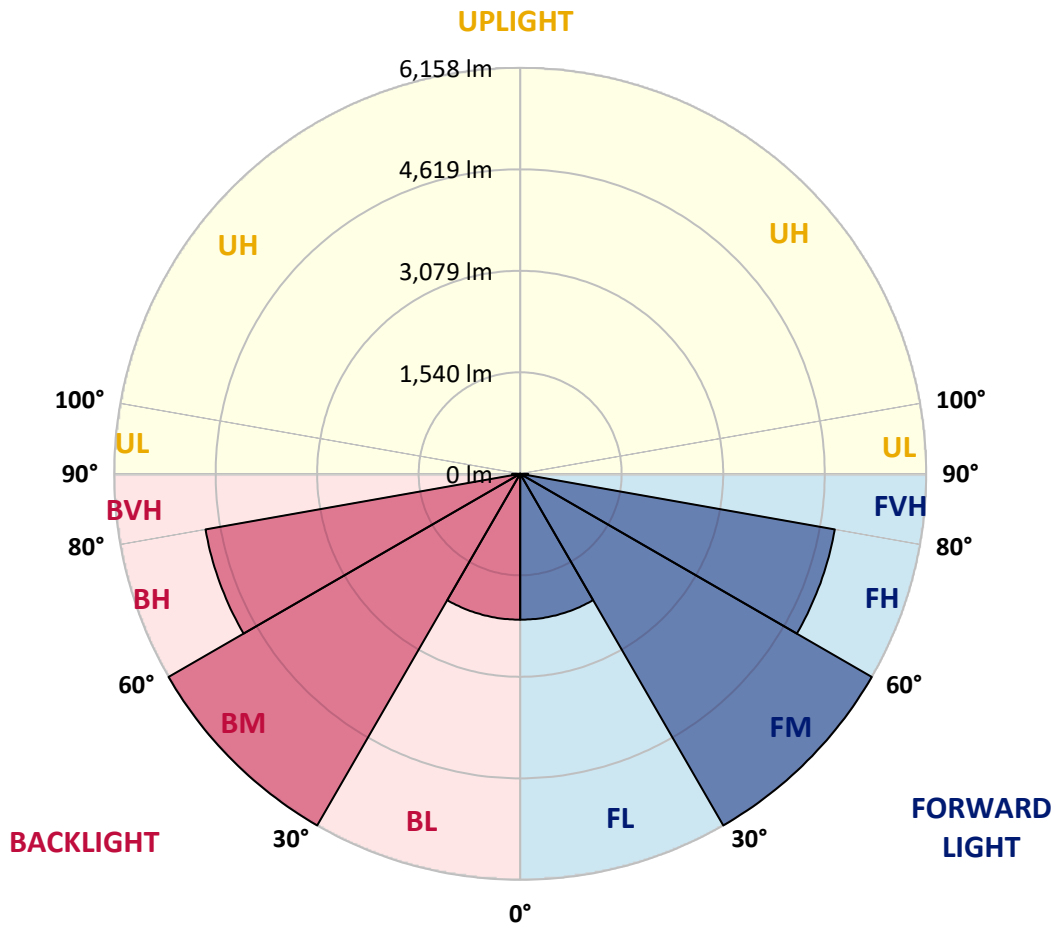
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2213.0	8.3			
FM (30°-60°)	6158.3	23.1			
FH (60°-80°)	4846.4	18.2			G2/5000
FVH (80°-90°)	122.4	0.5			G2/225
BL (0°-30°)	2213.0	8.3	B3/2500		
BM (30°-60°)	6158.3	23.1	B4/8500		
BH (60°-80°)	4846.4	18.2	B4/5000		G4/5000
BVH (80°-90°)	122.4	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°	4985.4	4985.4	4985.4	4985.4	4985.4	4985.4	4985.4	4985.4	4985.4	4985.4
2.5°	4989.7	4995.4	4995.4	4991.1	5001.0	4992.5	4992.5	4988.3	4992.5	4988.3
5°	5015.2	5022.3	5025.1	5023.7	5036.5	5029.4	5029.4	5023.7	5025.1	5020.9
7.5°	5063.4	5073.4	5079.0	5086.1	5104.5	5096.0	5090.4	5073.4	5066.3	5054.9
10°	5079.0	5090.4	5108.8	5145.7	5188.2	5189.6	5172.6	5130.1	5097.5	5071.9
12.5°	5030.8	5046.4	5084.7	5159.8	5254.8	5293.1	5266.2	5195.3	5131.5	5086.1
15°	4969.8	4986.9	5045.0	5158.4	5298.8	5388.1	5385.3	5291.7	5189.6	5118.7
17.5°	4874.8	4891.9	4975.5	5134.3	5332.8	5480.3	5520.0	5423.6	5280.4	5185.4
20°	4703.3	4718.9	4835.1	5057.8	5344.2	5578.1	5681.6	5596.6	5417.9	5288.9
22.5°	4480.7	4504.8	4640.9	4925.9	5317.2	5680.2	5866.0	5807.8	5578.1	5399.5
25°	4242.4	4268.0	4426.8	4764.2	5247.8	5754.0	6084.3	6047.5	5759.6	5537.0
27.5°	4036.8	4063.8	4236.8	4604.0	5140.0	5782.3	6299.9	6318.3	5979.4	5688.7
30°	3875.2	3900.7	4085.1	4475.0	5001.0	5754.0	6488.4	6616.1	6203.4	5820.6
32.5°	3698.0	3730.6	3924.8	4317.6	4836.6	5685.9	6652.9	6937.9	6462.9	5962.4
35°	3473.9	3503.7	3707.9	4102.1	4621.0	5576.7	6790.5	7295.2	6834.4	6177.9
37.5°	3201.7	3230.0	3432.8	3832.7	4406.9	5423.6	6895.4	7697.9	7276.8	6488.4
40°	2928.0	2955.0	3145.0	3532.1	4150.3	5227.9	6932.3	8092.1	7784.4	6915.2
42.5°	2677.1	2701.2	2875.6	3235.7	3862.4	4978.3	6884.0	8435.3	8239.6	7213.0
45°	2445.9	2467.2	2621.8	2957.8	3563.3	4674.9	6739.4	8803.9	8781.2	7425.7
47.5°	2182.2	2203.5	2363.7	2688.4	3264.1	4319.0	6494.1	9166.9	9534.2	7907.8
50°	1860.3	1878.8	2043.2	2377.9	2953.5	3940.4	6153.8	9451.9	10484.2	8638.0
52.5°	1478.9	1498.8	1659.0	1993.6	2584.9	3533.5	5705.7	9637.7	11581.6	9704.3
55°	1100.3	1114.5	1253.4	1554.1	2128.3	3069.8	5144.2	9690.1	12826.6	11161.9
57.5°	798.3	806.8	896.1	1120.2	1613.6	2489.9	4462.2	9554.0	14308.3	13030.8
60°	646.6	649.4	676.4	775.6	1121.6	1834.8	3638.4	9086.1	15916.3	15439.8
62.5°	587.0	587.0	594.1	621.1	758.6	1210.9	2641.6	8116.2	17640.5	18484.1
65°	545.9	545.9	548.7	561.5	598.4	771.4	1667.5	6536.7	19093.8	22050.2
67.5°	509.0	510.5	509.0	513.3	534.6	570.0	967.0	4514.7	19876.5	25745.3
70°	470.8	473.6	466.5	466.5	483.5	484.9	605.5	2475.7	19227.1	28842.1
72.5°	425.4	429.6	418.3	415.5	428.2	422.5	455.2	1188.2	16507.5	29766.6
75°	385.7	391.3	365.8	358.7	358.7	354.5	370.1	609.7	10713.9	24282.0
77.5°	350.2	361.6	320.5	297.8	292.1	279.3	302.0	372.9	4686.3	11400.2
80°	289.3	304.9	263.7	236.8	226.9	212.7	238.2	260.9	1393.8	2647.3
82.5°	215.5	222.6	187.2	168.7	160.2	150.3	178.7	181.5	453.7	937.3
85°	137.5	140.4	114.9	99.3	95.0	90.7	113.4	99.3	173.0	689.1
87.5°	48.2	55.3	44.0	39.7	42.5	35.4	52.5	29.8	48.2	486.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4985.4  
4988.3  
5020.9  
5054.9  
5067.7  
5079.0  
5107.4  
5169.8  
5264.8  
5366.9  
5491.6  
5640.5  
5751.1  
5874.5  
6080.1  
6358.0  
6776.3  
7034.3  
7184.6  
7629.9  
8289.2  
9274.7  
10624.5  
12354.4  
14587.7  
17342.7  
20606.8  
24187.0  
28432.3  
30844.2  
25972.2  
11163.4  
2535.3  
1059.2  
1001.1  
602.6  
0.0

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