

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: P942353

Luminaire Tested: **GALN-SB6B-827-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942353  
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-SB6B-827-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29374 lumens  
Efficiency: N/A  
Efficacy: 133.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

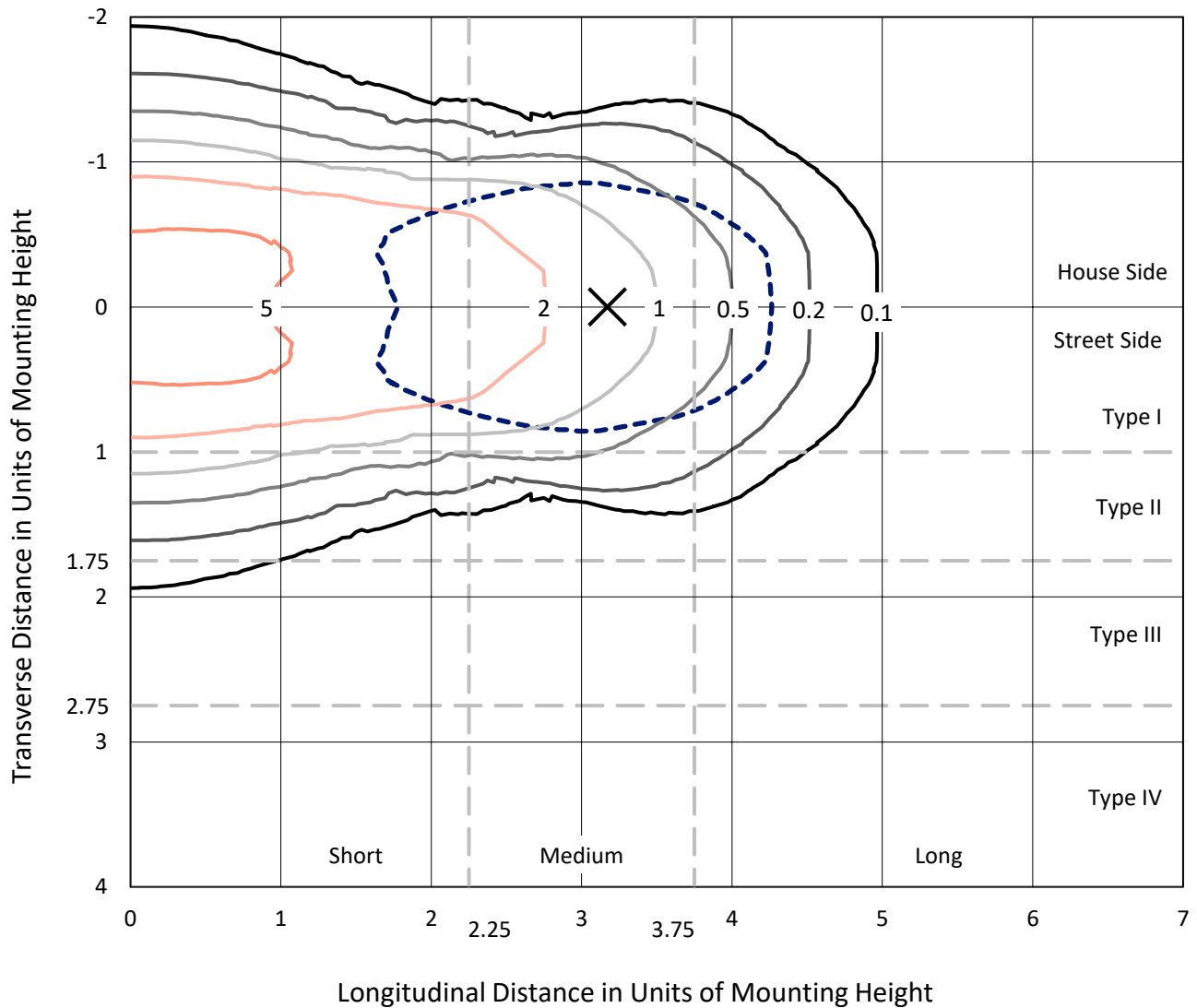
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

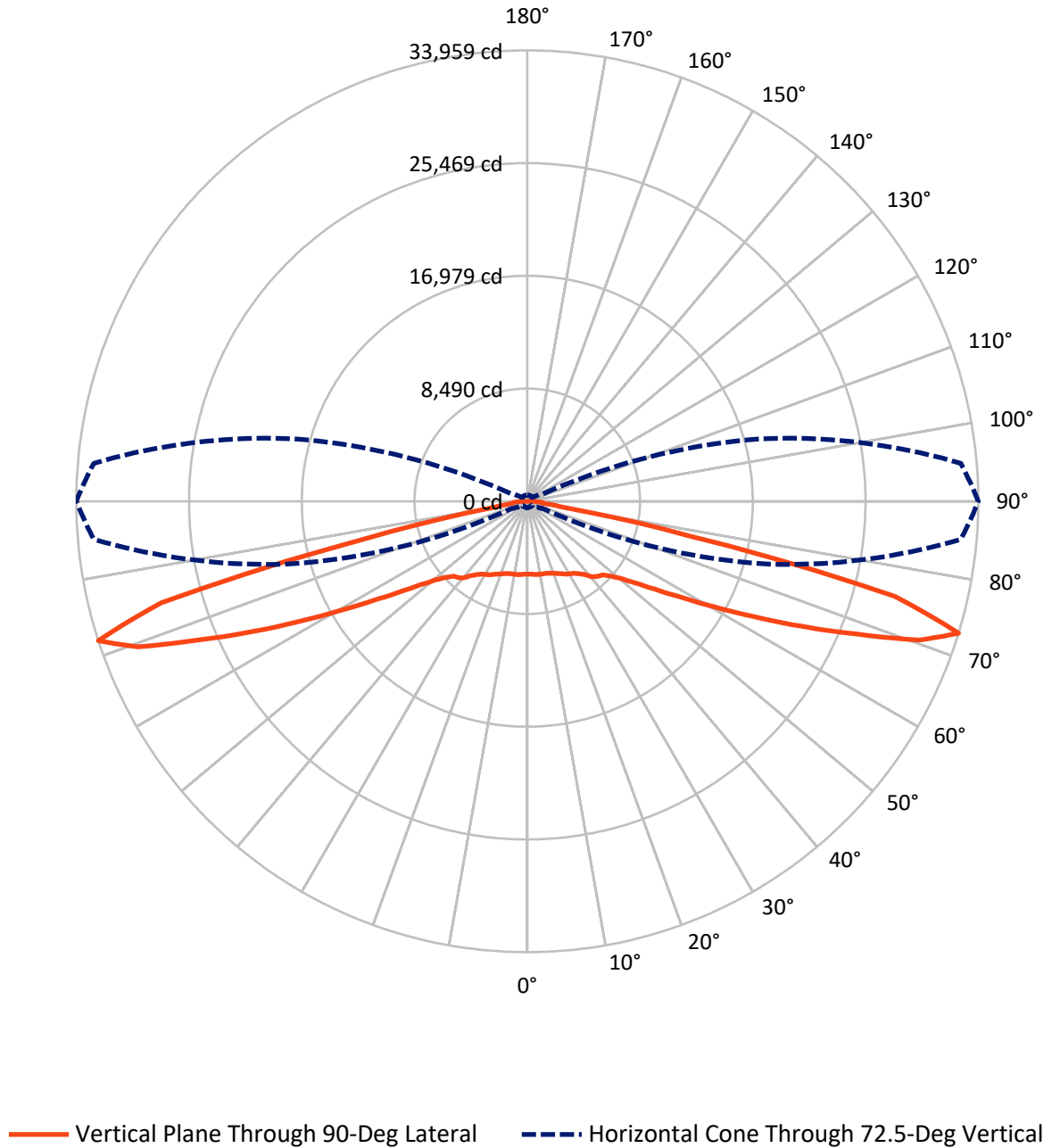
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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	14687.0	0.0	14687.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14687.0	0.0	14687.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29374.0	0.0	29374.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	532.2	1.8
10°-20°	1627.3	5.5
20°-30°	2713.4	9.2
30°-40°	3731.7	12.7
40°-50°	4557.4	15.5
50°-60°	5271.1	17.9
60°-70°	6285.0	21.4
70°-80°	4386.5	14.9
80°-90°	269.4	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°	29374.0	100.0
0°-180°	29374.0	100.0

**Coefficient of Utilization**



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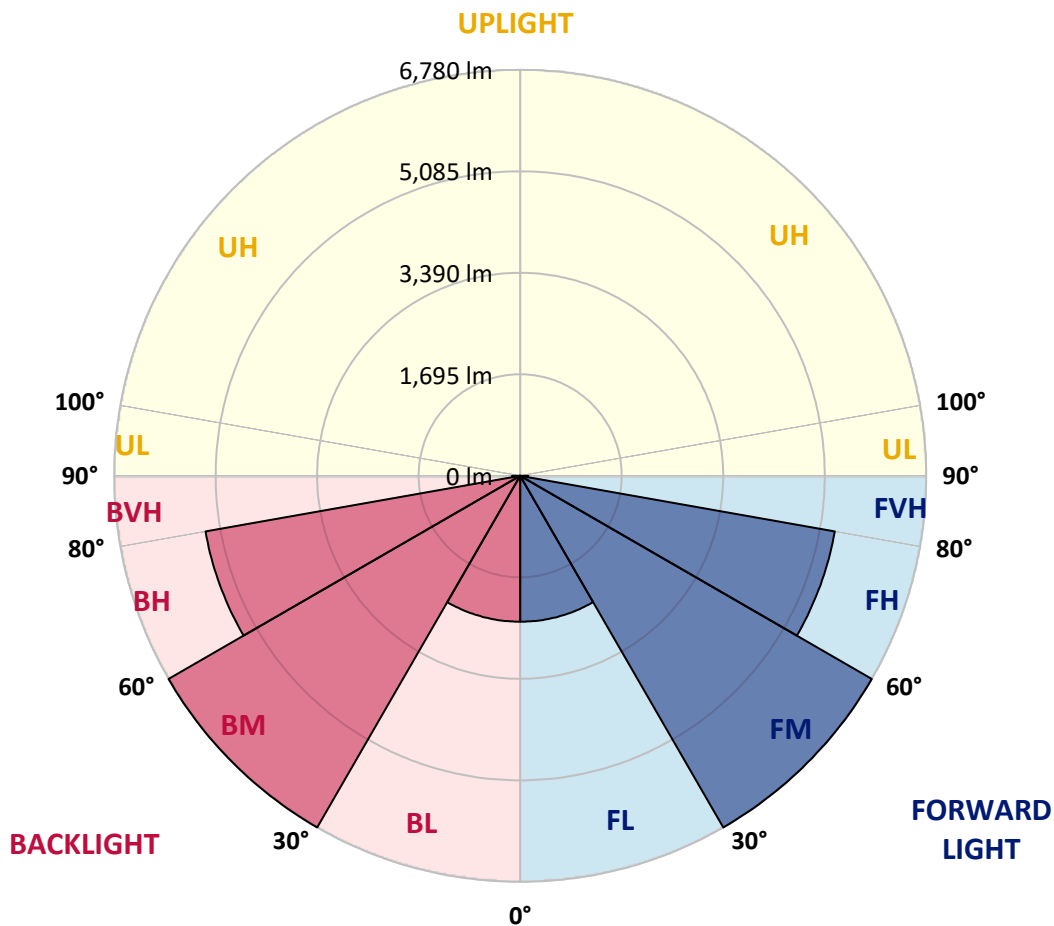
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2436.4	8.3			
FM (30°-60°)	6780.1	23.1			
FH (60°-80°)	5335.7	18.2			G3/7500
FVH (80°-90°)	134.7	0.5			G2/225
BL (0°-30°)	2436.4	8.3	B3/2500		
BM (30°-60°)	6780.1	23.1	B4/8500		
BH (60°-80°)	5335.7	18.2	B5		G5
BVH (80°-90°)	134.7	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°	5488.8	5488.8	5488.8	5488.8	5488.8	5488.8	5488.8	5488.8	5488.8	5488.8
2.5°	5493.5	5499.8	5499.8	5495.1	5506.0	5496.6	5496.6	5492.0	5496.6	5492.0
5°	5521.6	5529.4	5532.6	5531.0	5545.0	5537.2	5537.2	5531.0	5532.6	5527.9
7.5°	5574.7	5585.6	5591.9	5599.7	5620.0	5610.6	5604.4	5585.6	5577.8	5565.3
10°	5591.9	5604.4	5624.7	5665.2	5712.1	5713.6	5694.9	5648.1	5612.2	5584.1
12.5°	5538.8	5556.0	5598.1	5680.9	5785.5	5827.6	5797.9	5719.9	5649.6	5599.7
15°	5471.7	5490.4	5554.4	5679.3	5833.8	5932.2	5929.1	5826.0	5713.6	5635.6
17.5°	5367.1	5385.8	5477.9	5652.8	5871.3	6033.7	6077.4	5971.2	5813.6	5709.0
20°	5178.2	5195.4	5323.4	5568.5	5883.8	6141.4	6255.3	6161.7	5965.0	5822.9
22.5°	4933.1	4959.6	5109.5	5423.3	5854.1	6253.8	6458.3	6394.3	6141.4	5944.7
25°	4670.8	4698.9	4873.8	5245.3	5777.6	6335.0	6698.7	6658.1	6341.2	6096.1
27.5°	4444.5	4474.1	4664.6	5068.9	5659.0	6366.2	6936.0	6956.3	6583.2	6263.1
30°	4266.5	4294.6	4497.5	4926.8	5506.0	6335.0	7143.6	7284.1	6829.8	6408.3
32.5°	4071.4	4107.3	4321.1	4753.6	5324.9	6260.0	7324.7	7638.5	7115.5	6564.4
35°	3824.7	3857.5	4082.3	4516.3	5087.6	6139.8	7476.1	8031.9	7524.5	6801.7
37.5°	3525.0	3556.2	3779.4	4219.7	4851.9	5971.2	7591.6	8475.2	8011.6	7143.6
40°	3223.7	3253.3	3462.5	3888.7	4569.4	5755.8	7632.2	8909.2	8570.5	7613.5
42.5°	2947.4	2973.9	3165.9	3562.4	4252.4	5481.0	7579.2	9287.0	9071.6	7941.3
45°	2692.9	2716.3	2886.5	3256.5	3923.1	5147.0	7419.9	9692.9	9667.9	8175.5
47.5°	2402.5	2426.0	2602.4	2959.9	3593.7	4755.1	7149.9	10092.5	10496.9	8706.3
50°	2048.2	2068.5	2249.6	2618.0	3251.8	4338.3	6775.2	10406.3	11542.8	9510.2
52.5°	1628.2	1650.1	1826.5	2194.9	2845.9	3890.3	6281.9	10610.8	12751.1	10684.2
55°	1211.4	1227.0	1380.0	1711.0	2343.2	3379.8	5663.7	10668.6	14121.7	12289.0
57.5°	878.9	888.3	986.6	1233.3	1776.5	2741.3	4912.8	10518.7	15753.1	14346.5
60°	711.9	715.0	744.6	853.9	1234.8	2020.1	4005.8	10003.6	17523.4	16998.9
62.5°	646.3	646.3	654.1	683.8	835.2	1333.2	2908.3	8935.8	19421.7	20350.6
65°	601.0	601.0	604.1	618.2	658.8	849.2	1835.9	7196.7	21021.8	24276.7
67.5°	560.4	562.0	560.4	565.1	588.5	627.6	1064.7	4970.6	21883.6	28345.0
70°	518.3	521.4	513.6	513.6	532.3	533.9	666.6	2725.7	21168.6	31754.4
72.5°	468.3	473.0	460.5	457.4	471.5	465.2	501.1	1308.2	18174.4	32772.3
75°	424.6	430.9	402.8	395.0	395.0	390.3	407.4	671.3	11795.7	26733.9
77.5°	385.6	398.1	352.8	327.8	321.6	307.5	332.5	410.6	5159.4	12551.3
80°	318.5	335.6	290.4	260.7	249.8	234.2	262.3	287.2	1534.6	2914.6
82.5°	237.3	245.1	206.1	185.8	176.4	165.5	196.7	199.8	499.6	1031.9
85°	151.4	154.5	126.4	109.3	104.6	99.9	124.9	109.3	190.5	758.7
87.5°	53.1	60.9	48.4	43.7	46.8	39.0	57.8	32.8	53.1	535.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5488.8  
5492.0  
5527.9  
5565.3  
5579.4  
5591.9  
5623.1  
5691.8  
5796.4  
5908.8  
6046.2  
6210.1  
6331.8  
6467.7  
6694.0  
7000.0  
7460.5  
7744.6  
7910.1  
8400.3  
9126.2  
10211.2  
11697.4  
13601.9  
16060.6  
19093.9  
22687.5  
26629.3  
31303.3  
33958.7  
28594.7  
12290.6  
2791.3  
1166.1  
1102.1  
663.5  
0.0

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