

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: P952832

Luminaire Tested: **GALN-SB6C-827-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952832  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB6C-827-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

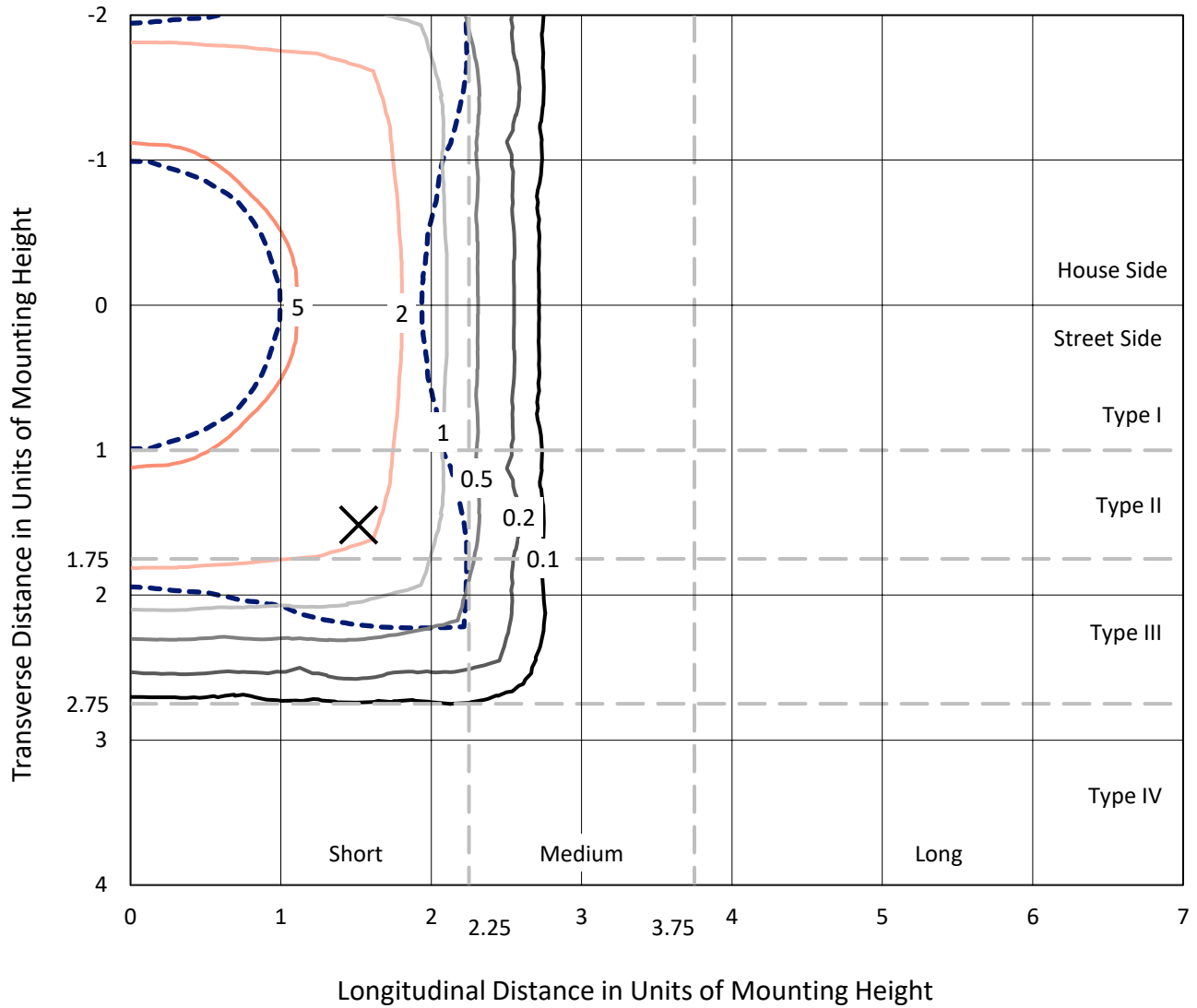
Lumens per Lamp: N/A  
Luminaire Lumens: 41382 lumens  
Efficiency: N/A  
Efficacy: 137.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

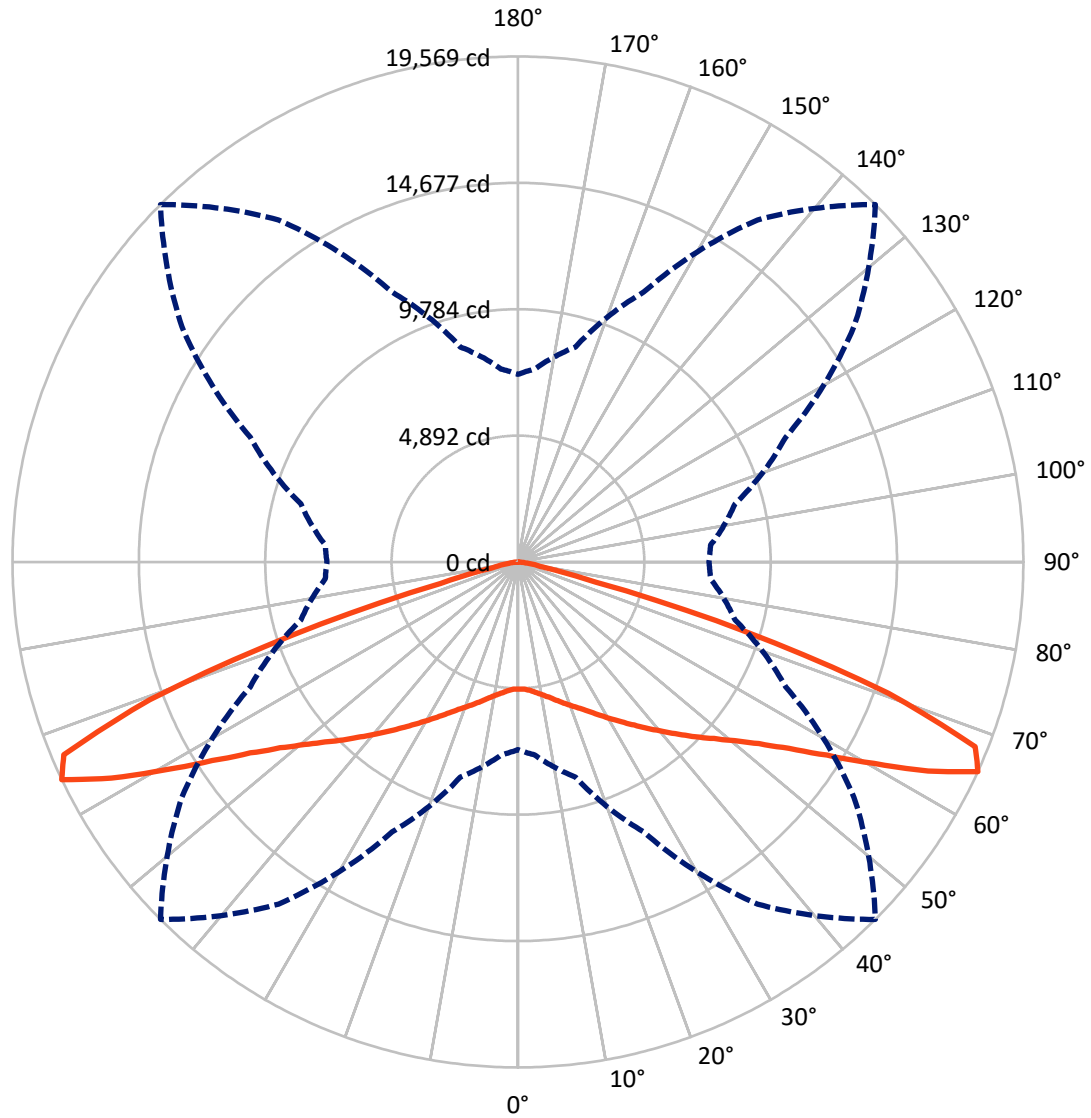
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20691.0	0.0	20691.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20691.0	0.0	20691.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	41382.0	0.0	41382.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	486.0	1.2
10°-20°	1586.0	3.8
20°-30°	2994.5	7.2
30°-40°	4903.4	11.8
40°-50°	7602.8	18.4
50°-60°	11230.9	27.1
60°-70°	10690.7	25.8
70°-80°	1725.1	4.2
80°-90°	162.6	0.4
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°	41382.0	100.0
0°-180°	41382.0	100.0

**Coefficient of Utilization**



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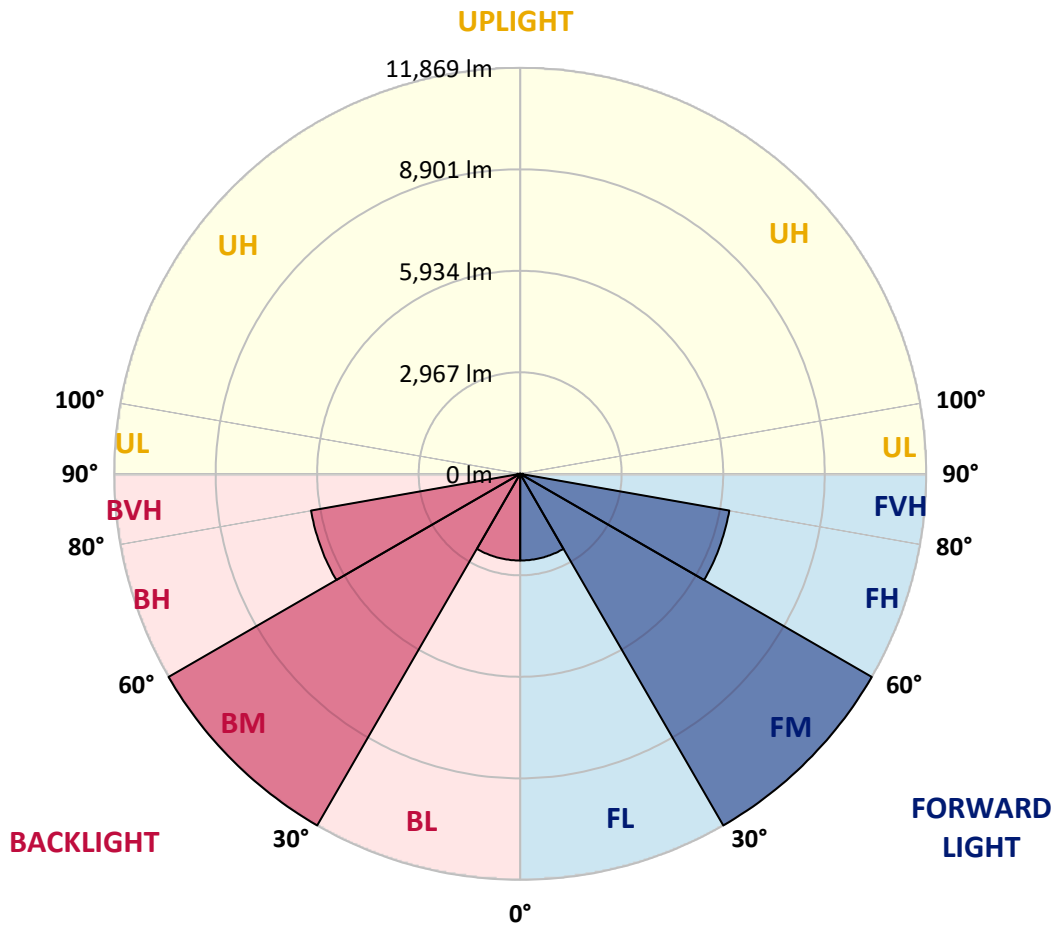
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2533.3	6.1			
FM (30°-60°)	11868.5	28.7			
FH (60°-80°)	6207.9	15.0			G3/7500
FVH (80°-90°)	81.3	0.2			G1/100
BL (0°-30°)	2533.3	6.1	B4/5000		
BM (30°-60°)	11868.5	28.7	B5		
BH (60°-80°)	6207.9	15.0	B5		G3/7500
BVH (80°-90°)	81.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4924.9	4924.9	4924.9	4924.9	4924.9	4924.9	4924.9	4924.9	4924.9	4924.9
2.5°	4958.1	4941.5	4953.9	4943.6	4935.3	4926.9	4931.1	4945.6	4951.9	4953.9
5°	5024.5	5010.0	5016.2	5016.2	5001.7	4997.5	4999.6	5010.0	5022.5	5022.5
7.5°	5132.5	5118.0	5132.5	5124.2	5111.7	5107.6	5105.5	5113.8	5132.5	5132.5
10°	5263.3	5246.7	5255.0	5250.8	5236.3	5230.1	5228.0	5240.5	5257.1	5255.0
12.5°	5406.6	5387.9	5398.3	5385.8	5381.6	5375.4	5375.4	5373.3	5383.7	5375.4
15°	5566.4	5554.0	5558.1	5549.8	5556.1	5551.9	5535.3	5527.0	5531.1	5518.7
17.5°	5755.4	5726.3	5740.8	5736.7	5736.7	5745.0	5718.0	5707.6	5715.9	5703.5
20°	5973.4	5944.3	5950.5	5942.2	5931.9	5940.2	5906.9	5915.2	5921.5	5913.2
22.5°	6212.1	6174.8	6172.7	6176.9	6154.0	6156.1	6133.3	6154.0	6166.5	6143.6
25°	6457.1	6417.7	6444.7	6434.3	6405.2	6411.5	6394.9	6415.6	6426.0	6396.9
27.5°	6716.7	6689.7	6714.6	6720.8	6685.5	6710.4	6685.5	6704.2	6714.6	6671.0
30°	7019.8	6992.8	7015.7	7032.3	6990.7	7030.2	7009.4	7021.9	7024.0	6972.1
32.5°	7349.9	7308.4	7366.5	7374.9	7329.2	7376.9	7349.9	7366.5	7376.9	7306.3
35°	7752.7	7700.8	7767.3	7756.9	7717.4	7756.9	7732.0	7756.9	7781.8	7696.7
37.5°	8186.7	8132.7	8203.3	8184.6	8147.2	8174.2	8159.7	8176.3	8215.7	8124.4
40°	8664.2	8597.8	8693.3	8660.1	8624.8	8620.6	8628.9	8639.3	8691.2	8589.5
42.5°	9175.0	9104.4	9247.6	9195.7	9145.9	9112.7	9139.7	9160.4	9210.3	9096.1
45°	9758.4	9677.4	9864.3	9802.0	9723.1	9654.6	9698.2	9729.3	9802.0	9665.0
47.5°	10402.0	10310.7	10510.0	10491.3	10362.6	10213.1	10312.7	10402.0	10456.0	10289.9
50°	11031.1	10960.5	11222.1	11245.0	11087.2	10877.5	11016.6	11151.6	11166.1	10948.1
52.5°	11620.8	11550.2	11930.1	12073.4	11932.2	11683.1	11830.5	11967.5	11857.5	11575.1
55°	12092.1	12034.0	12517.7	12887.3	12935.1	12729.5	12816.7	12812.6	12451.3	12017.4
57.5°	12206.3	12198.0	12808.4	13591.2	14089.5	14114.4	13942.0	13501.9	12723.3	12139.9
60°	11687.2	11739.1	12577.9	13958.6	15287.5	15839.7	15094.4	13838.2	12413.9	11604.2
62.5°	10134.2	10271.2	11282.4	13510.2	16255.0	17824.6	16018.3	13327.5	11143.2	10086.4
65°	7262.7	7501.5	8618.5	11529.4	16167.8	19568.7	15885.4	11436.0	8701.6	7482.8
67.5°	3295.0	3537.9	4486.8	7893.9	14054.2	19095.3	14020.9	7977.0	4711.0	3550.4
70°	1193.8	1235.4	1540.6	3160.1	8981.9	15214.8	9366.0	3182.9	1638.2	1316.3
72.5°	722.5	728.8	793.1	1131.6	3120.6	9237.2	3253.5	1168.9	809.7	718.4
75°	458.9	454.7	564.7	691.4	1106.6	3116.5	1160.6	691.4	562.7	512.8
77.5°	330.1	340.5	404.9	517.0	697.6	1056.8	685.2	494.1	404.9	332.2
80°	247.1	253.3	294.8	402.8	490.0	658.2	436.0	365.4	305.2	207.6
82.5°	178.6	178.6	193.1	292.8	299.0	355.0	236.7	257.5	201.4	147.4
85°	105.9	103.8	120.4	174.4	155.7	130.8	108.0	157.8	126.7	91.4
87.5°	37.4	39.4	37.4	49.8	41.5	35.3	33.2	43.6	35.3	31.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4924.9
4953.9
5022.5
5126.3
5250.8
5379.6
5520.8
5713.8
5931.9
6166.5
6430.2
6704.2
7003.2
7354.1
7748.6
8180.4
8622.7
9156.3
9735.5
10346.0
10975.1
11583.4
12031.9
12102.5
11508.7
10024.1
7393.5
3498.5
1299.7
730.8
517.0
338.4
213.9
147.4
89.3
29.1
0.0

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