

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: P952475

Luminaire Tested: **GALN-SB6B-827-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952475  
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-SB6B-827-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

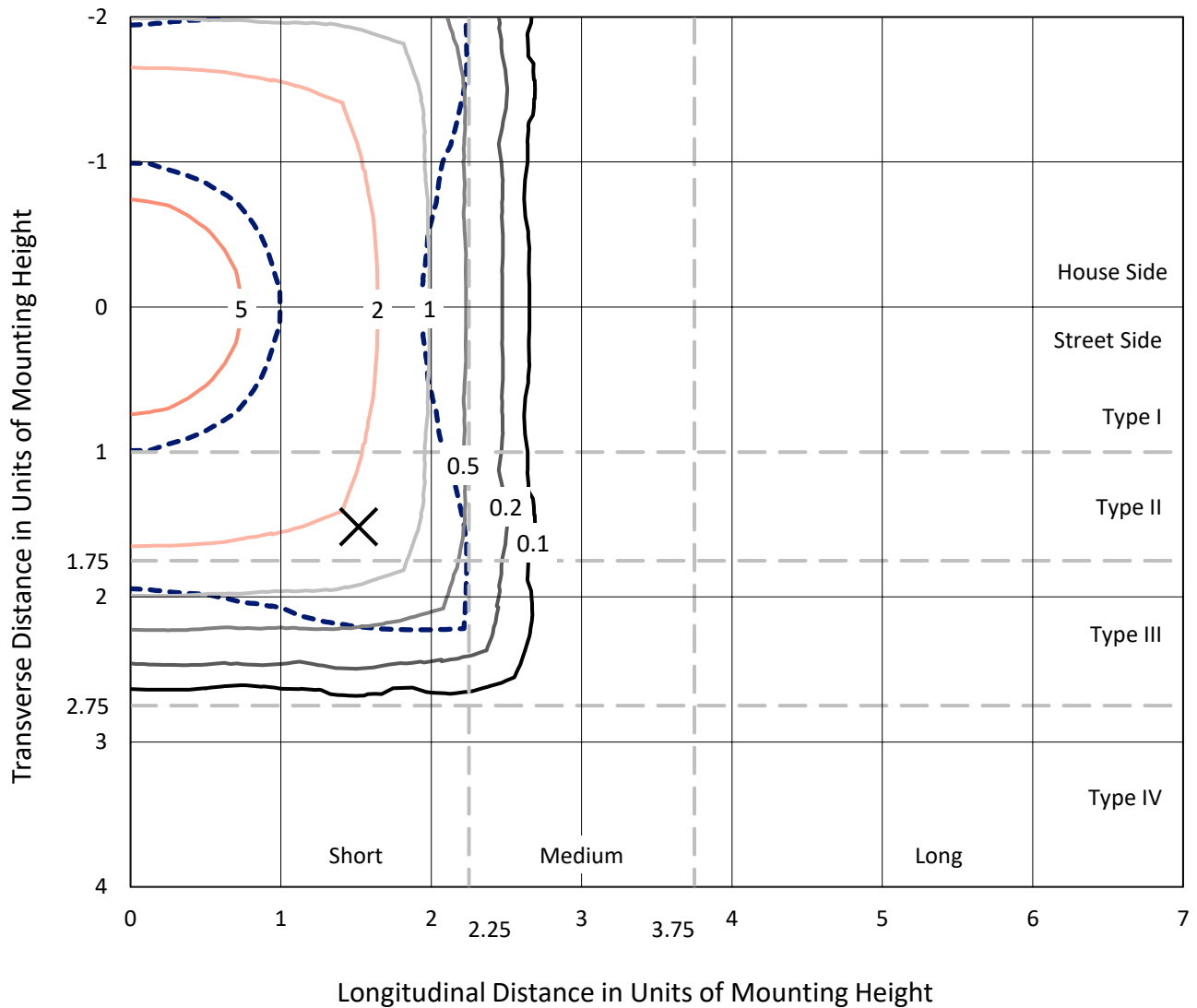
Lumens per Lamp: N/A  
Luminaire Lumens: 31115 lumens  
Efficiency: N/A  
Efficacy: 141.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

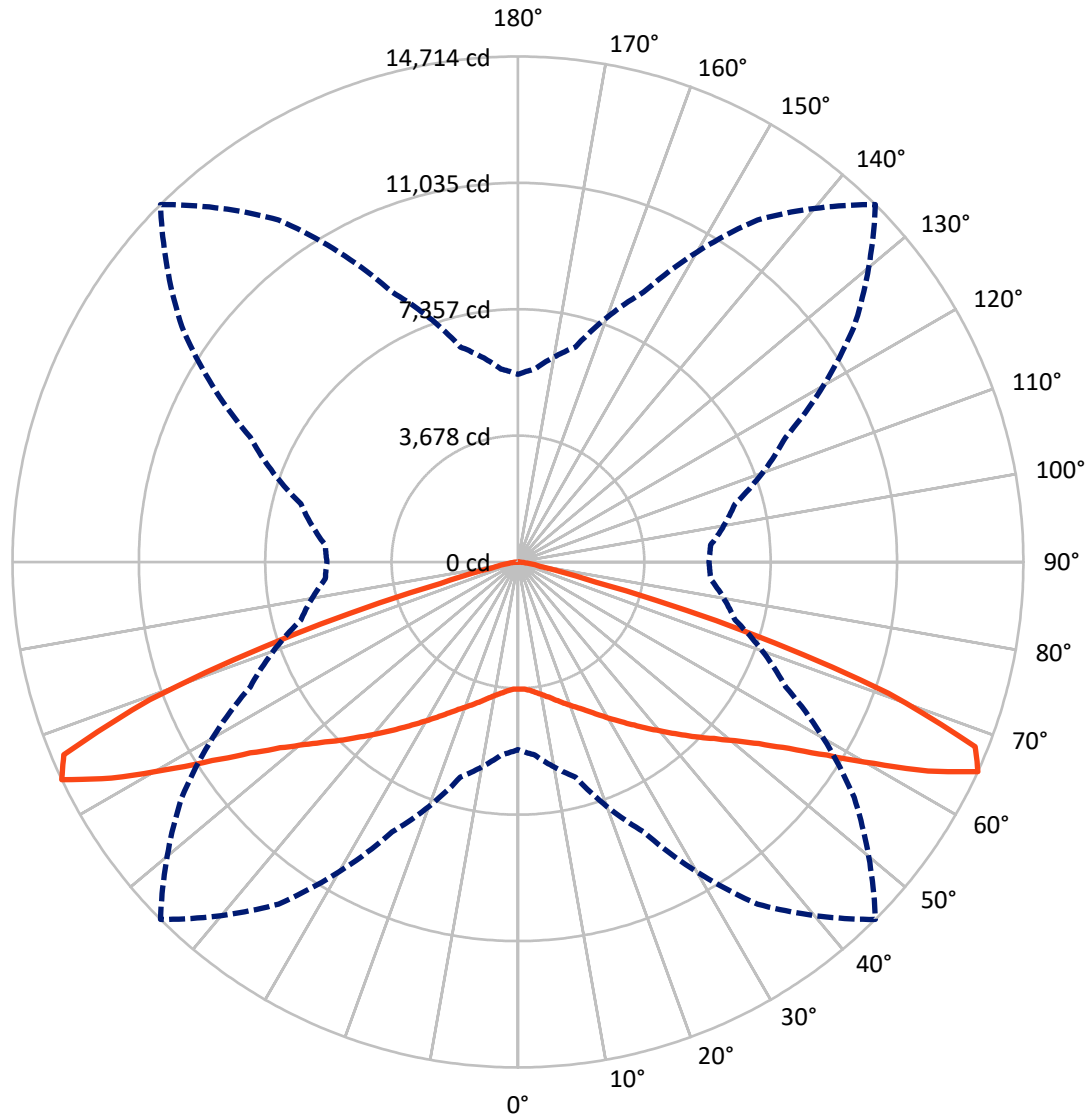
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	15557.5	0.0	15557.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15557.5	0.0	15557.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31115.0	0.0	31115.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	365.4	1.2
10°-20°	1192.5	3.8
20°-30°	2251.6	7.2
30°-40°	3686.9	11.8
40°-50°	5716.5	18.4
50°-60°	8444.4	27.1
60°-70°	8038.3	25.8
70°-80°	1297.1	4.2
80°-90°	122.3	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°	31115.0	100.0
0°-180°	31115.0	100.0

**Coefficient of Utilization**



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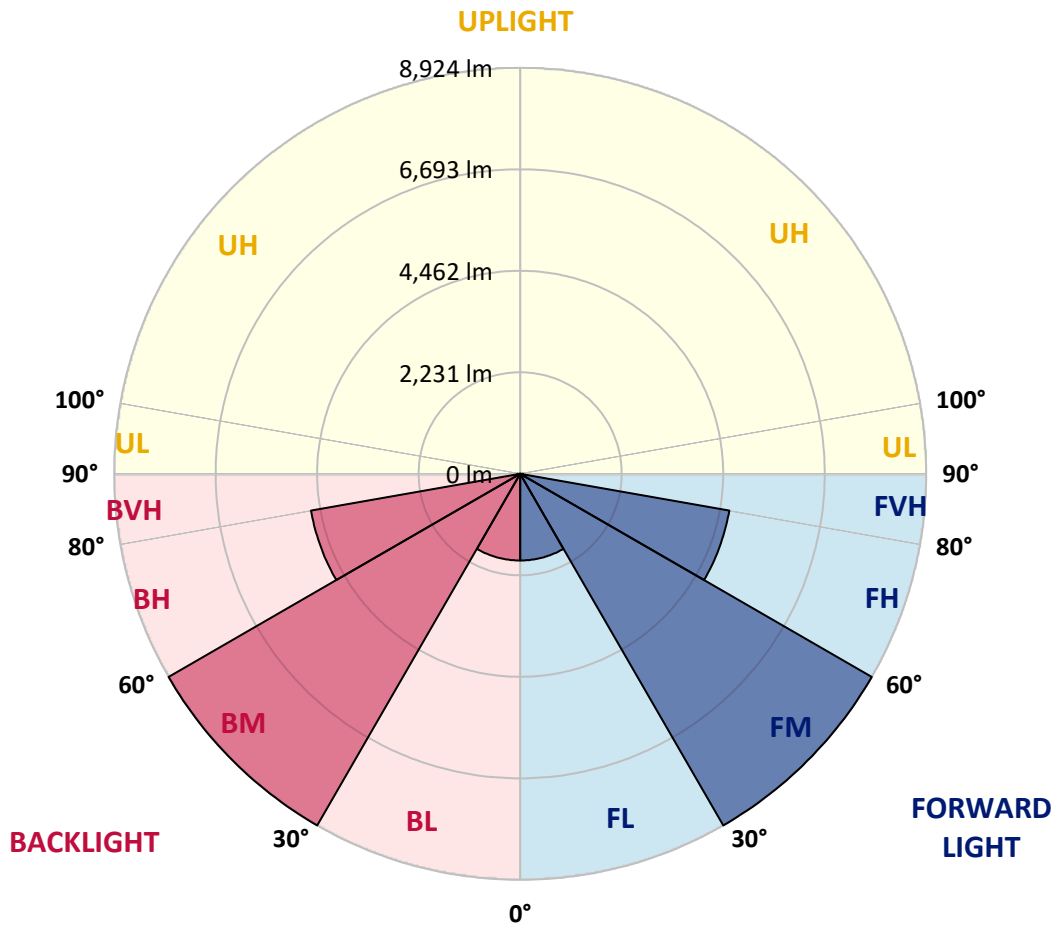
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1904.8	6.1			
FM (30°-60°)	8923.9	28.7			
FH (60°-80°)	4667.7	15.0			G2/5000
FVH (80°-90°)	61.1	0.2			G1/100
BL (0°-30°)	1904.8	6.1	B3/2500		
BM (30°-60°)	8923.9	28.7	B5		
BH (60°-80°)	4667.7	15.0	B4/5000		G2/5000
BVH (80°-90°)	61.1	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-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3703.0	3703.0	3703.0	3703.0	3703.0	3703.0	3703.0	3703.0	3703.0	3703.0
2.5°	3728.0	3715.5	3724.9	3717.0	3710.8	3704.6	3707.7	3718.6	3723.3	3724.9
5°	3777.9	3767.0	3771.7	3771.7	3760.8	3757.6	3759.2	3767.0	3776.4	3776.4
7.5°	3859.1	3848.2	3859.1	3852.9	3843.5	3840.4	3838.8	3845.1	3859.1	3859.1
10°	3957.5	3945.0	3951.2	3948.1	3937.2	3932.5	3930.9	3940.3	3952.8	3951.2
12.5°	4065.2	4051.1	4058.9	4049.6	4046.4	4041.8	4041.8	4040.2	4048.0	4041.8
15°	4185.4	4176.0	4179.1	4172.9	4177.6	4174.5	4162.0	4155.7	4158.8	4149.5
17.5°	4327.4	4305.6	4316.5	4313.4	4313.4	4319.6	4299.3	4291.5	4297.8	4288.4
20°	4491.4	4469.5	4474.2	4467.9	4460.1	4466.4	4441.4	4447.7	4452.3	4446.1
22.5°	4670.9	4642.8	4641.2	4644.4	4627.2	4628.7	4611.6	4627.2	4636.6	4619.4
25°	4855.1	4825.4	4845.7	4837.9	4816.1	4820.8	4808.3	4823.9	4831.7	4809.8
27.5°	5050.2	5030.0	5048.7	5053.4	5026.8	5045.6	5026.8	5040.9	5048.7	5015.9
30°	5278.2	5257.9	5275.1	5287.5	5256.3	5286.0	5270.4	5279.7	5281.3	5242.3
32.5°	5526.4	5495.2	5538.9	5545.1	5510.8	5546.7	5526.4	5538.9	5546.7	5493.6
35°	5829.3	5790.2	5840.2	5832.4	5802.7	5832.4	5813.6	5832.4	5851.1	5787.1
37.5°	6155.5	6114.9	6168.0	6154.0	6125.9	6146.2	6135.2	6147.7	6177.4	6108.7
40°	6514.6	6464.6	6536.4	6511.5	6484.9	6481.8	6488.0	6495.9	6534.9	6458.4
42.5°	6898.6	6845.5	6953.3	6914.2	6876.8	6851.8	6872.1	6887.7	6925.2	6839.3
45°	7337.3	7276.4	7416.9	7370.1	7310.8	7259.2	7292.0	7315.4	7370.1	7267.1
47.5°	7821.3	7752.6	7902.4	7888.4	7791.6	7679.2	7754.1	7821.3	7861.8	7737.0
50°	8294.3	8241.2	8437.9	8455.1	8336.4	8178.8	8283.3	8384.8	8395.7	8231.8
52.5°	8737.6	8684.6	8970.2	9078.0	8971.8	8784.5	8895.3	8998.3	8915.6	8703.3
55°	9092.0	9048.3	9412.0	9689.9	9725.8	9571.3	9636.8	9633.7	9362.1	9035.8
57.5°	9177.9	9171.6	9630.6	10219.1	10593.8	10612.5	10483.0	10152.0	9566.6	9127.9
60°	8787.6	8826.6	9457.3	10495.5	11494.6	11909.8	11349.4	10404.9	9334.0	8725.1
62.5°	7619.9	7722.9	8483.2	10158.3	12222.1	13402.3	12044.1	10020.9	8378.6	7584.0
65°	5460.8	5640.4	6480.2	8668.9	12156.5	14713.6	11944.2	8598.7	6542.7	5626.3
67.5°	2477.5	2660.2	3373.6	5935.4	10567.3	14357.7	10542.3	5997.9	3542.2	2669.5
70°	897.6	928.9	1158.4	2376.0	6753.4	11439.9	7042.2	2393.2	1231.7	989.8
72.5°	543.3	548.0	596.4	850.8	2346.4	6945.5	2446.3	878.9	608.8	540.2
75°	345.0	341.9	424.6	519.9	832.1	2343.3	872.7	519.9	423.1	385.6
77.5°	248.2	256.0	304.4	388.7	524.5	794.6	515.2	371.5	304.4	249.8
80°	185.8	190.5	221.7	302.9	368.4	494.9	327.8	274.8	229.5	156.1
82.5°	134.3	134.3	145.2	220.1	224.8	267.0	178.0	193.6	151.4	110.8
85°	79.6	78.1	90.5	131.1	117.1	98.4	81.2	118.6	95.2	68.7
87.5°	28.1	29.7	28.1	37.5	31.2	26.5	25.0	32.8	26.5	23.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3703.0
3724.9
3776.4
3854.4
3948.1
4044.9
4151.0
4296.2
4460.1
4636.6
4834.8
5040.9
5265.7
5529.5
5826.1
6150.8
6483.4
6884.6
7320.1
7779.1
8252.1
8709.5
9046.7
9099.8
8653.3
7537.1
5559.2
2630.5
977.3
549.5
388.7
254.5
160.8
110.8
67.1
21.9
0.0

OF REPORT)