

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: P952181

Luminaire Tested: **GALN-SB6A-840-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952181  
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-SB6A-840-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

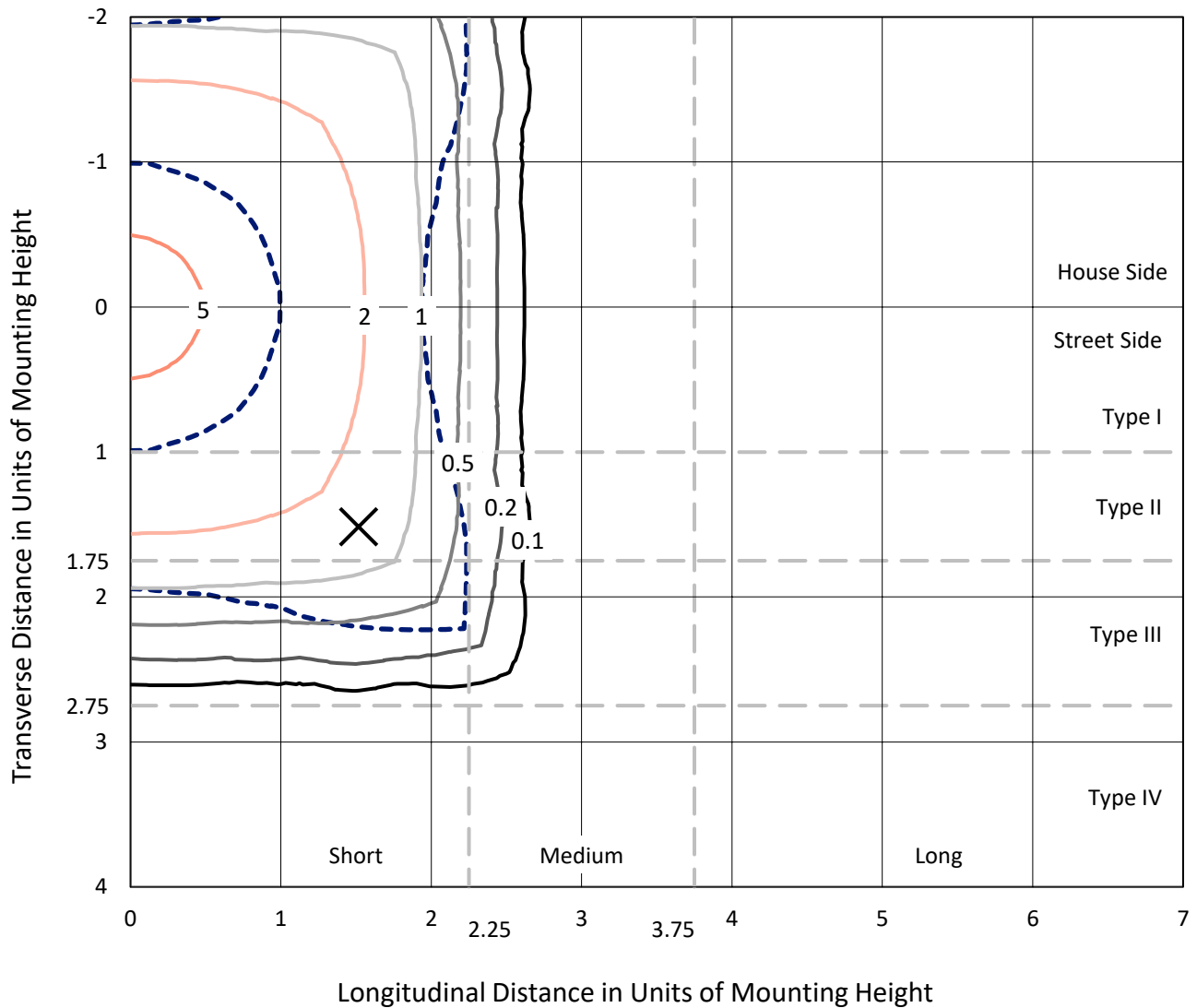
Lumens per Lamp: N/A  
Luminaire Lumens: 27265 lumens  
Efficiency: N/A  
Efficacy: 159.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

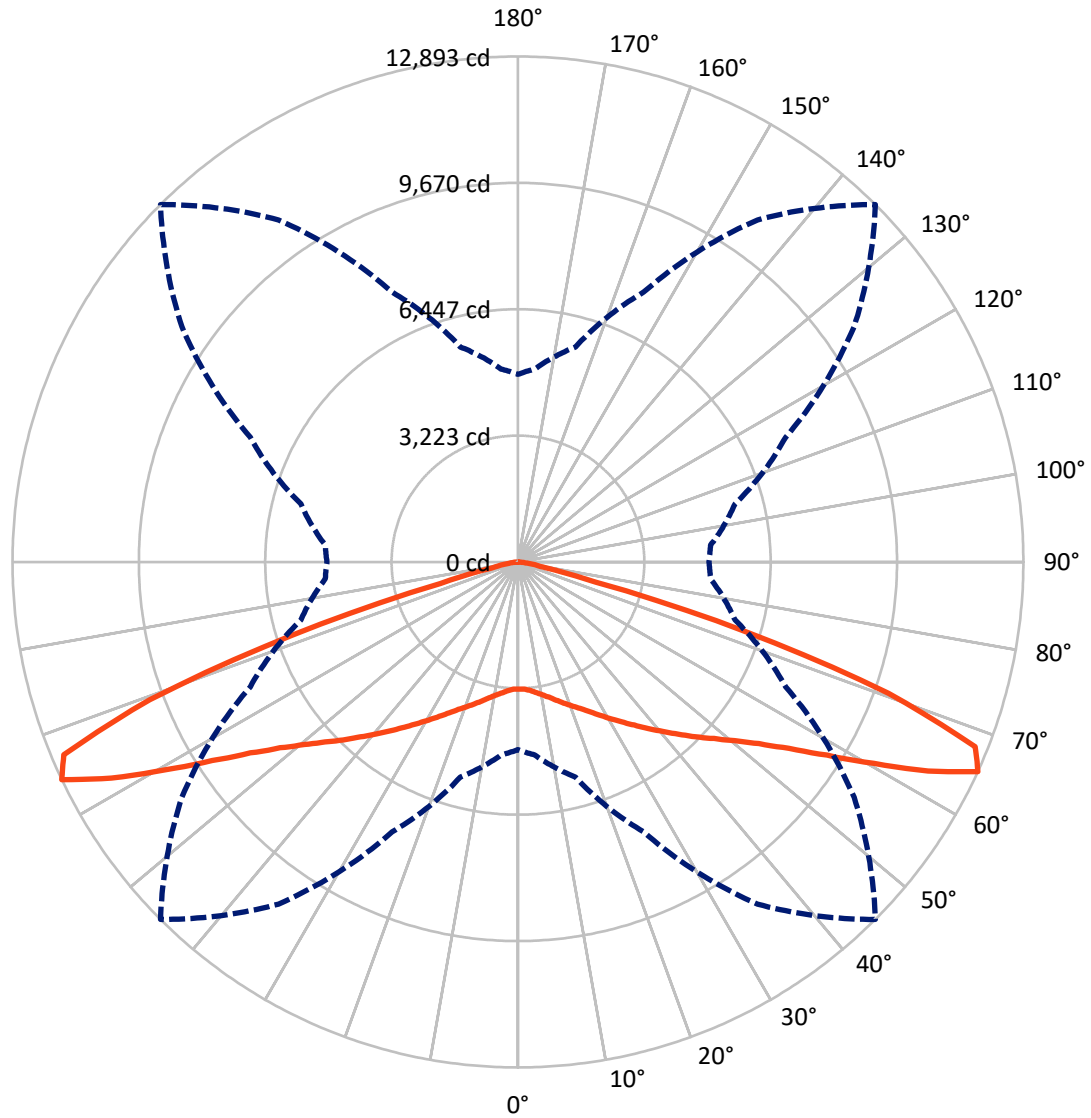
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	13632.5	0.0	13632.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13632.5	0.0	13632.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27265.0	0.0	27265.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	320.2	1.2
10°-20°	1044.9	3.8
20°-30°	1973.0	7.2
30°-40°	3230.7	11.8
40°-50°	5009.2	18.4
50°-60°	7399.6	27.1
60°-70°	7043.7	25.8
70°-80°	1136.6	4.2
80°-90°	107.1	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°	27265.0	100.0
0°-180°	27265.0	100.0



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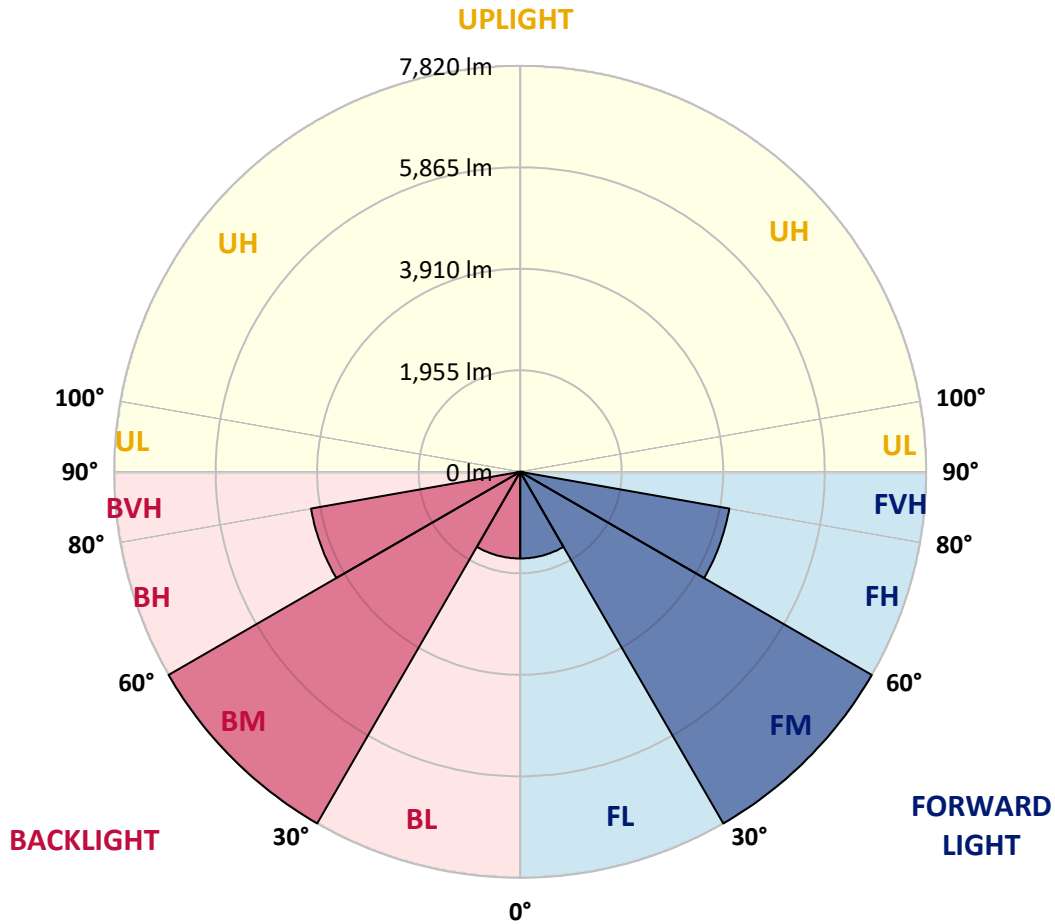
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1669.1	6.1			
FM (30°-60°)	7819.7	28.7			
FH (60°-80°)	4090.2	15.0			G2/5000
FVH (80°-90°)	53.6	0.2			G1/100
BL (0°-30°)	1669.1	6.1	B3/2500		
BM (30°-60°)	7819.7	28.7	B4/8500		
BH (60°-80°)	4090.2	15.0	B4/5000		G2/5000
BVH (80°-90°)	53.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3244.8	3244.8	3244.8	3244.8	3244.8	3244.8	3244.8	3244.8	3244.8	3244.8
2.5°	3266.7	3255.8	3264.0	3257.1	3251.6	3246.2	3248.9	3258.5	3262.6	3264.0
5°	3310.5	3300.9	3305.0	3305.0	3295.4	3292.7	3294.1	3300.9	3309.1	3309.1
7.5°	3381.6	3372.0	3381.6	3376.1	3367.9	3365.2	3363.8	3369.3	3381.6	3381.6
10°	3467.8	3456.8	3462.3	3459.6	3450.0	3445.9	3444.5	3452.7	3463.7	3462.3
12.5°	3562.2	3549.9	3556.7	3548.5	3545.8	3541.7	3541.7	3540.3	3547.1	3541.7
15°	3667.5	3659.3	3662.0	3656.6	3660.7	3657.9	3647.0	3641.5	3644.3	3636.0
17.5°	3792.0	3772.8	3782.4	3779.7	3779.7	3785.2	3767.4	3760.5	3766.0	3757.8
20°	3935.6	3916.5	3920.6	3915.1	3908.3	3913.7	3891.9	3897.3	3901.4	3896.0
22.5°	4092.9	4068.3	4067.0	4069.7	4054.6	4056.0	4041.0	4054.6	4062.8	4047.8
25°	4254.4	4228.4	4246.2	4239.3	4220.2	4224.3	4213.3	4227.0	4233.8	4214.7
27.5°	4425.4	4407.6	4424.0	4428.1	4404.8	4421.3	4404.8	4417.2	4424.0	4395.3
30°	4625.1	4607.3	4622.3	4633.3	4605.9	4631.9	4618.2	4626.5	4627.8	4593.6
32.5°	4842.6	4815.2	4853.5	4859.0	4828.9	4860.4	4842.6	4853.5	4860.4	4813.9
35°	5108.0	5073.8	5117.5	5110.7	5084.7	5110.7	5094.3	5110.7	5127.1	5071.0
37.5°	5393.9	5358.3	5404.8	5392.5	5367.9	5385.7	5376.1	5387.0	5413.0	5352.8
40°	5708.5	5664.7	5727.7	5705.8	5682.5	5679.8	5685.3	5692.1	5726.3	5659.3
42.5°	6045.0	5998.5	6092.9	6058.7	6025.9	6004.0	6021.8	6035.5	6068.3	5993.0
45°	6429.4	6376.1	6499.2	6458.2	6406.2	6361.0	6389.8	6410.3	6458.2	6367.9
47.5°	6853.5	6793.3	6924.6	6912.3	6827.5	6729.0	6794.7	6853.5	6889.1	6779.6
50°	7268.0	7221.5	7393.8	7408.9	7304.9	7166.8	7258.4	7347.3	7356.9	7213.3
52.5°	7656.5	7610.0	7860.3	7954.7	7861.7	7697.5	7794.7	7884.9	7812.4	7626.4
55°	7967.0	7928.7	8247.4	8490.9	8522.4	8387.0	8444.4	8441.7	8203.7	7917.8
57.5°	8042.3	8036.8	8439.0	8954.7	9283.0	9299.4	9185.9	8895.9	8382.9	7998.5
60°	7700.3	7734.5	8287.1	9196.8	10072.3	10436.2	9945.1	9117.5	8179.0	7645.5
62.5°	6677.0	6767.3	7433.5	8901.3	10709.8	11744.0	10553.8	8781.0	7341.9	6645.6
65°	4785.1	4942.4	5678.4	7596.3	10652.3	12893.0	10466.3	7534.7	5733.1	4930.1
67.5°	2171.0	2331.0	2956.2	5201.0	9259.7	12581.2	9237.9	5255.7	3103.9	2339.2
70°	786.6	813.9	1015.0	2082.0	5917.8	10024.4	6170.9	2097.1	1079.3	867.3
72.5°	476.1	480.2	522.6	745.5	2056.0	6086.1	2143.6	770.2	533.5	473.3
75°	302.3	299.6	372.1	455.5	729.1	2053.3	764.7	455.5	370.7	337.9
77.5°	217.5	224.3	266.8	340.6	459.6	696.3	451.4	325.6	266.8	218.9
80°	162.8	166.9	194.3	265.4	322.8	433.6	287.3	240.8	201.1	136.8
82.5°	117.6	117.6	127.2	192.9	197.0	233.9	155.9	169.6	132.7	97.1
85°	69.8	68.4	79.3	114.9	102.6	86.2	71.1	104.0	83.4	60.2
87.5°	24.6	26.0	24.6	32.8	27.4	23.3	21.9	28.7	23.3	20.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3244.8
3264.0
3309.1
3377.5
3459.6
3544.4
3637.4
3764.6
3908.3
4062.8
4236.6
4417.2
4614.1
4845.3
5105.2
5389.8
5681.1
6032.7
6414.4
6816.6
7231.1
7631.9
7927.3
7973.9
7582.6
6604.5
4871.3
2305.0
856.3
481.5
340.6
223.0
140.9
97.1
58.8
19.2
0.0

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