

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: P948611

Luminaire Tested: **GALN-SB3C-840-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948611  
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-SB3C-840-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

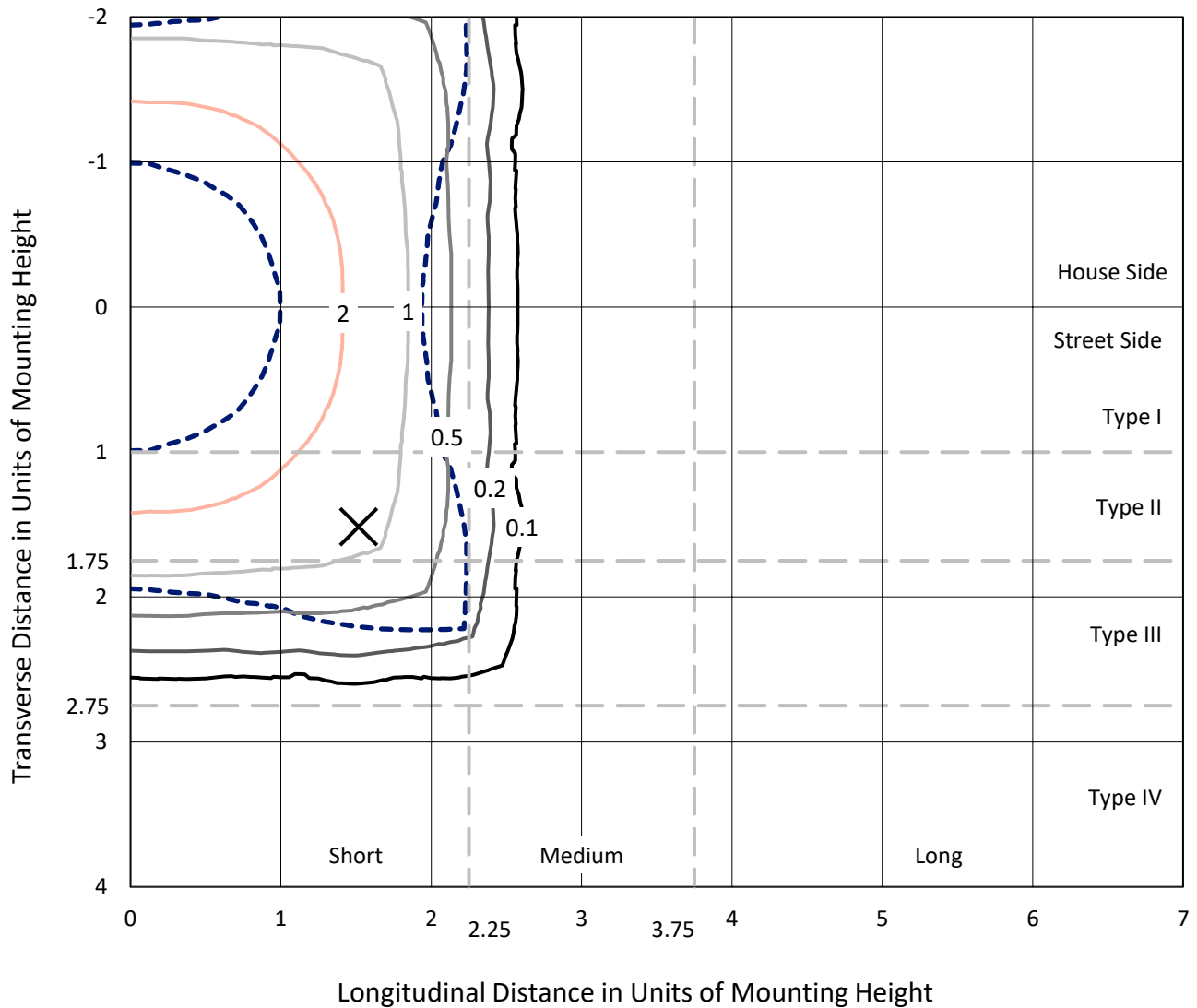
Lumens per Lamp: N/A  
Luminaire Lumens: 22522 lumens  
Efficiency: N/A  
Efficacy: 151.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

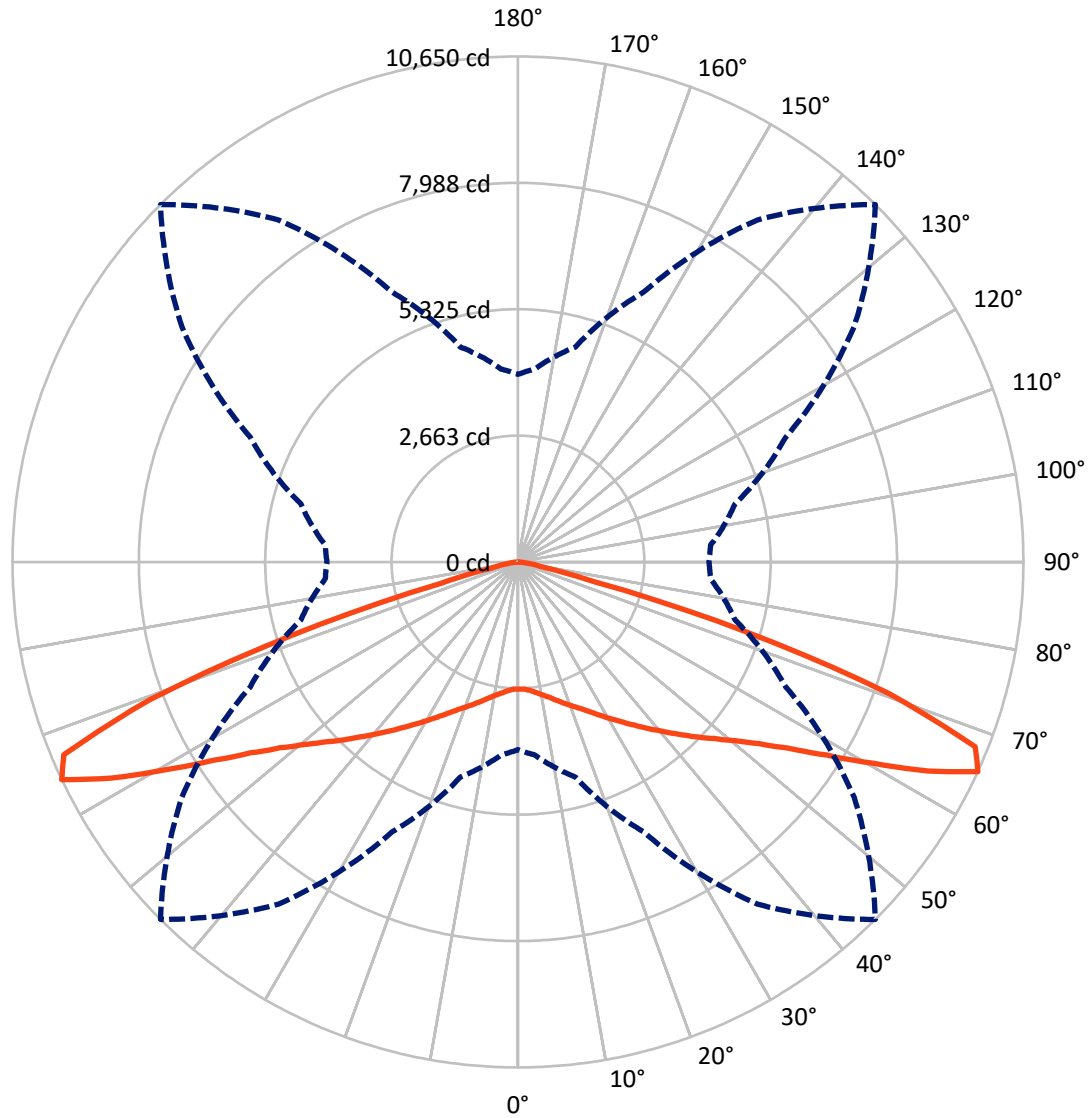
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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	11261.0	0.0	11261.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11261.0	0.0	11261.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22522.0	0.0	22522.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	264.5	1.2
10°-20°	863.2	3.8
20°-30°	1629.7	7.2
30°-40°	2668.7	11.8
40°-50°	4137.8	18.4
50°-60°	6112.4	27.1
60°-70°	5818.4	25.8
70°-80°	938.9	4.2
80°-90°	88.5	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°	22522.0	100.0
0°-180°	22522.0	100.0



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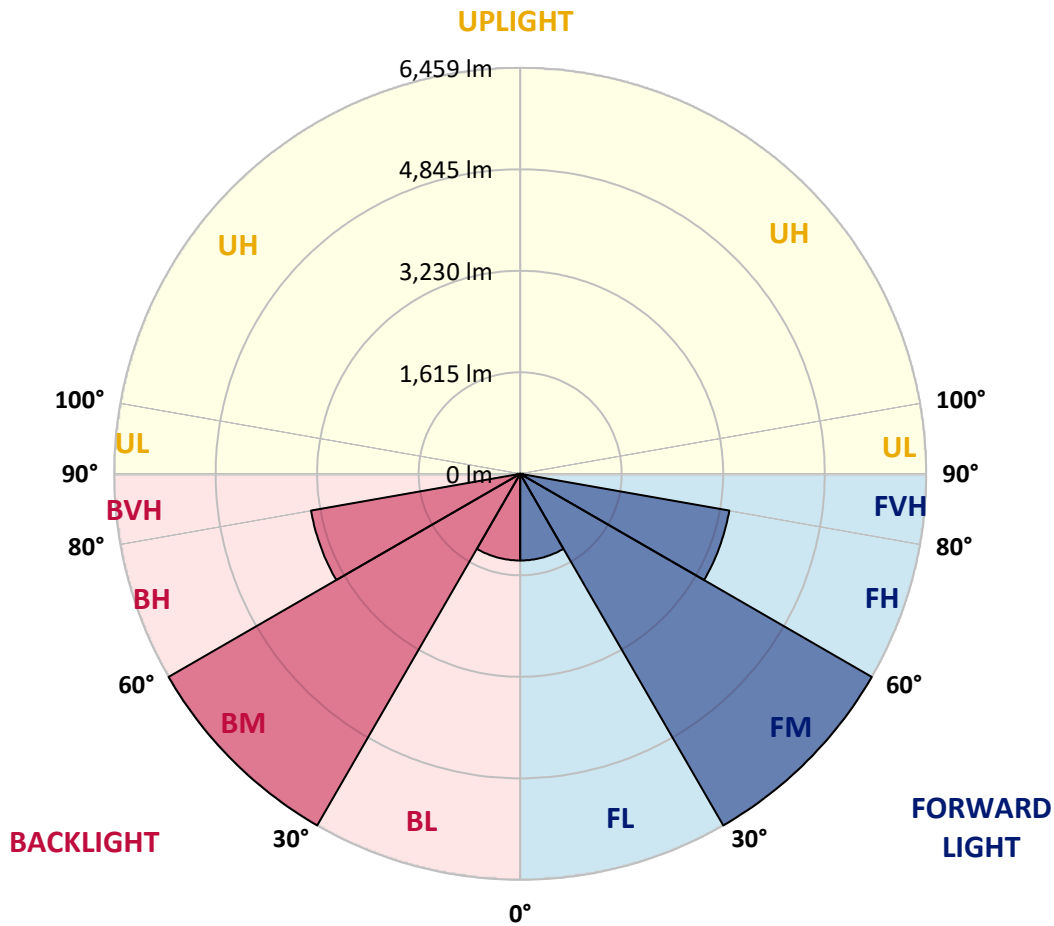
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1378.7	6.1			
FM (30°-60°)	6459.4	28.7			
FH (60°-80°)	3378.6	15.0			G2/5000
FVH (80°-90°)	44.2	0.2			G1/100
BL (0°-30°)	1378.7	6.1	B3/2500		
BM (30°-60°)	6459.4	28.7	B4/8500		
BH (60°-80°)	3378.6	15.0	B4/5000		G2/5000
BVH (80°-90°)	44.2	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°	2680.3	2680.3	2680.3	2680.3	2680.3	2680.3	2680.3	2680.3	2680.3	2680.3
2.5°	2698.4	2689.4	2696.2	2690.5	2686.0	2681.5	2683.7	2691.6	2695.0	2696.2
5°	2734.6	2726.7	2730.1	2730.1	2722.2	2719.9	2721.0	2726.7	2733.5	2733.5
7.5°	2793.3	2785.4	2793.3	2788.8	2782.0	2779.8	2778.7	2783.2	2793.3	2793.3
10°	2864.5	2855.5	2860.0	2857.8	2849.8	2846.5	2845.3	2852.1	2861.1	2860.0
12.5°	2942.5	2932.3	2938.0	2931.2	2928.9	2925.6	2925.6	2924.4	2930.1	2925.6
15°	3029.5	3022.7	3025.0	3020.5	3023.9	3021.6	3012.6	3008.0	3010.3	3003.5
17.5°	3132.3	3116.5	3124.4	3122.2	3122.2	3126.7	3112.0	3106.4	3110.9	3104.1
20°	3251.0	3235.2	3238.6	3234.0	3228.4	3232.9	3214.8	3219.3	3222.7	3218.2
22.5°	3380.9	3360.6	3359.5	3361.7	3349.3	3350.4	3338.0	3349.3	3356.1	3343.6
25°	3514.3	3492.8	3507.5	3501.8	3486.0	3489.4	3480.4	3491.7	3497.3	3481.5
27.5°	3655.5	3640.8	3654.4	3657.8	3638.6	3652.1	3638.6	3648.7	3654.4	3630.7
30°	3820.5	3805.8	3818.2	3827.3	3804.7	3826.2	3814.9	3821.6	3822.8	3794.5
32.5°	4000.2	3977.6	4009.2	4013.7	3988.9	4014.9	4000.2	4009.2	4014.9	3976.4
35°	4219.4	4191.1	4227.3	4221.7	4200.2	4221.7	4208.1	4221.7	4235.2	4188.9
37.5°	4455.6	4426.2	4464.6	4454.4	4434.1	4448.8	4440.9	4449.9	4471.4	4421.7
40°	4715.5	4679.3	4731.3	4713.2	4694.0	4691.7	4696.3	4701.9	4730.2	4674.8
42.5°	4993.4	4955.0	5033.0	5004.7	4977.6	4959.5	4974.2	4985.5	5012.6	4950.5
45°	5311.0	5266.9	5368.6	5334.7	5291.8	5254.5	5278.2	5295.1	5334.7	5260.1
47.5°	5661.3	5611.5	5720.0	5709.9	5639.8	5558.4	5612.7	5661.3	5690.6	5600.2
50°	6003.7	5965.2	6107.6	6120.0	6034.2	5920.0	5995.7	6069.2	6077.1	5958.5
52.5°	6324.6	6286.2	6492.9	6570.9	6494.1	6358.5	6438.7	6513.3	6453.4	6299.7
55°	6581.1	6549.4	6812.7	7013.9	7039.9	6928.0	6975.4	6973.2	6776.6	6540.4
57.5°	6643.2	6638.7	6970.9	7396.9	7668.1	7681.7	7587.9	7348.3	6924.6	6607.1
60°	6360.7	6389.0	6845.5	7596.9	8320.1	8620.7	8215.0	7531.4	6756.2	6315.5
62.5°	5515.5	5590.1	6140.4	7352.9	8846.7	9701.0	8717.9	7253.4	6064.7	5489.5
65°	3952.7	4082.7	4690.6	6274.9	8799.3	10650.2	8645.6	6224.0	4735.8	4072.5
67.5°	1793.3	1925.5	2441.9	4296.2	7648.9	10392.5	7630.8	4341.4	2564.0	1932.3
70°	649.7	672.3	838.5	1719.8	4888.3	8280.6	5097.4	1732.3	891.6	716.4
72.5°	393.2	396.6	431.7	615.8	1698.4	5027.3	1770.7	636.2	440.7	391.0
75°	249.7	247.5	307.4	376.3	602.3	1696.1	631.7	376.3	306.2	279.1
77.5°	179.7	185.3	220.3	281.4	379.7	575.2	372.9	268.9	220.3	180.8
80°	134.5	137.9	160.5	219.2	266.7	358.2	237.3	198.9	166.1	113.0
82.5°	97.2	97.2	105.1	159.3	162.7	193.2	128.8	140.1	109.6	80.2
85°	57.6	56.5	65.5	94.9	84.7	71.2	58.8	85.9	68.9	49.7
87.5°	20.3	21.5	20.3	27.1	22.6	19.2	18.1	23.7	19.2	16.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2680.3
2696.2
2733.5
2790.0
2857.8
2927.8
3004.7
3109.7
3228.4
3356.1
3499.6
3648.7
3811.5
4002.4
4217.1
4452.2
4692.9
4983.3
5298.5
5630.8
5973.1
6304.2
6548.3
6586.7
6263.6
5455.6
4023.9
1904.0
707.4
397.8
281.4
184.2
116.4
80.2
48.6
15.8
0.0

OF REPORT)