

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: P942530

Luminaire Tested: **GALN-SB6C-830-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942530  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6C-830-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

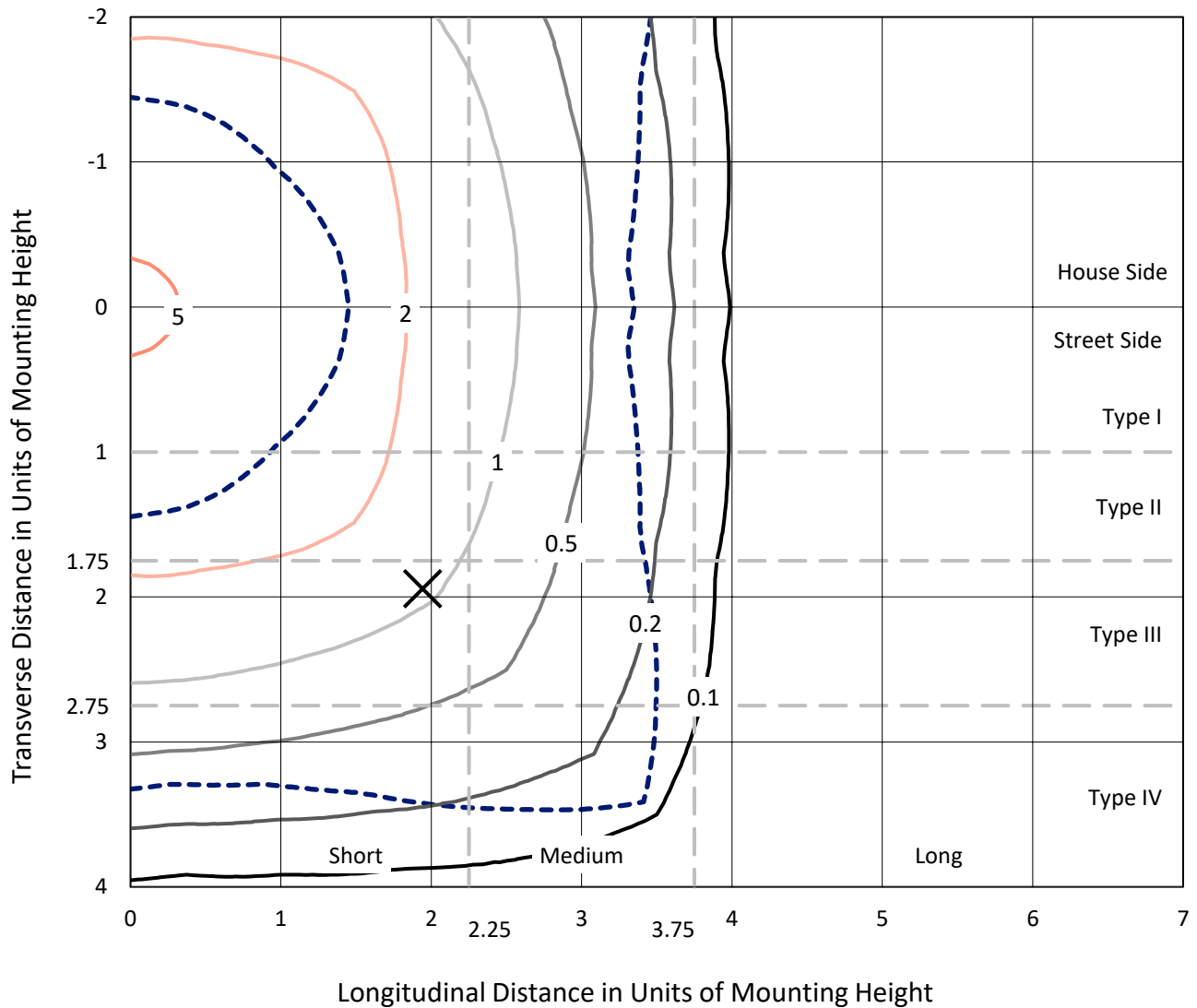
Lumens per Lamp: N/A  
Luminaire Lumens: 41277 lumens  
Efficiency: N/A  
Efficacy: 137.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

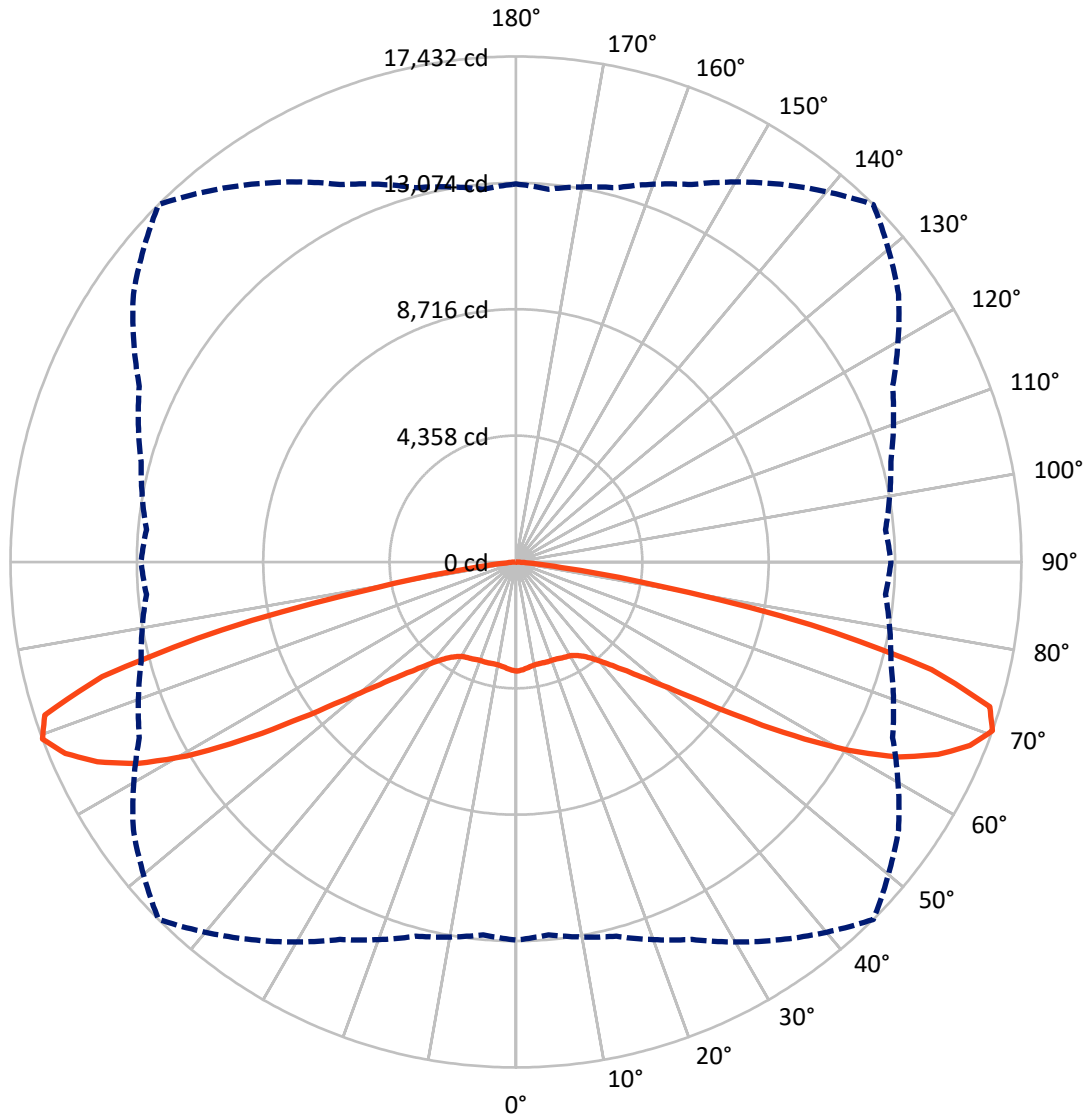
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20638.5	0.0	20638.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20638.5	0.0	20638.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	41277.0	0.0	41277.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	350.3	0.8
10°-20°	1028.5	2.5
20°-30°	1711.5	4.1
30°-40°	2588.3	6.3
40°-50°	4301.1	10.4
50°-60°	8116.1	19.7
60°-70°	13704.3	33.2
70°-80°	9005.2	21.8
80°-90°	471.8	1.1
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°	41277.0	100.0
0°-180°	41277.0	100.0

**Coefficient of Utilization**



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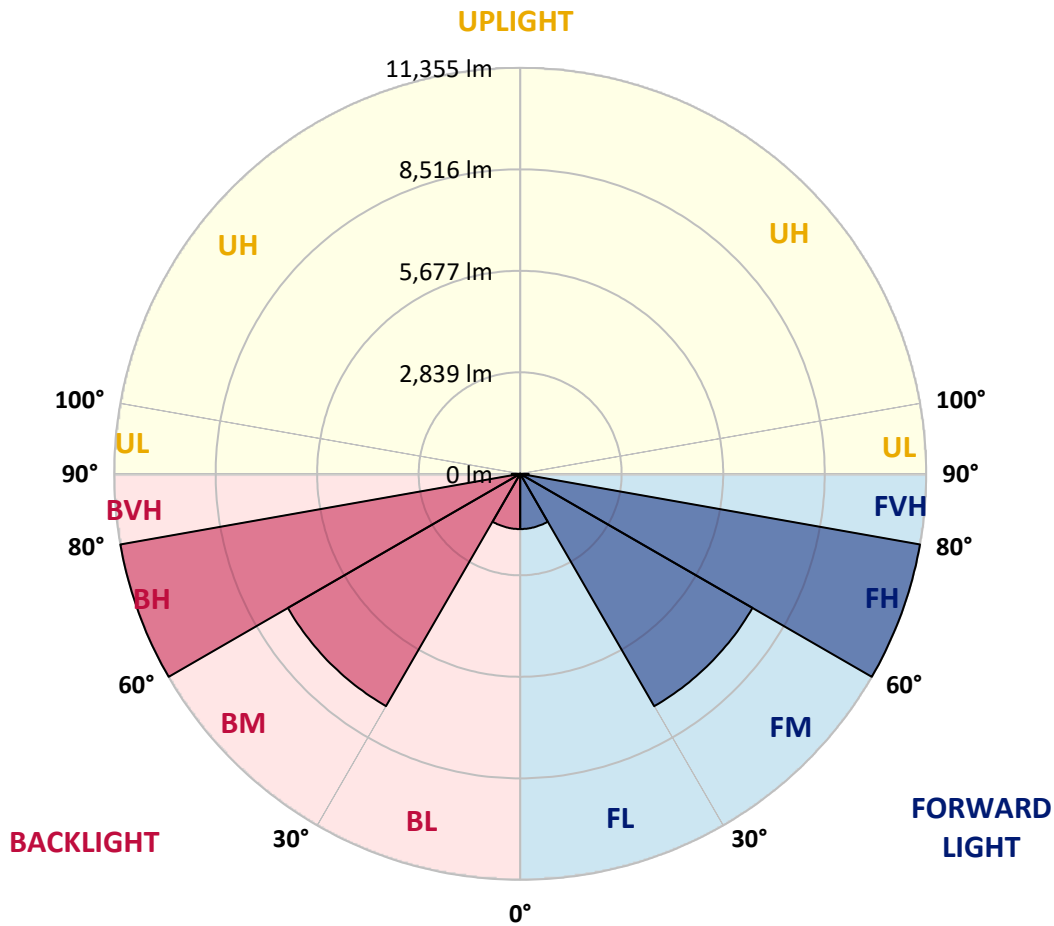
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1545.1	3.7			
FM	(30°-60°)	7502.8	18.2			
FH	(60°-80°)	11354.8	27.5			G4/12000
FVH	(80°-90°)	235.9	0.6			G3/500
BL	(0°-30°)	1545.1	3.7	B3/2500		
BM	(30°-60°)	7502.8	18.2	B4/8500		
BH	(60°-80°)	11354.8	27.5	B5		G4/12000
BVH	(80°-90°)	235.9	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3765.3	3765.3	3765.3	3765.3	3765.3	3765.3	3765.3	3765.3	3765.3	3765.3
2.5°	3741.7	3752.4	3748.1	3739.5	3739.5	3733.1	3739.5	3743.8	3750.3	3754.6
5°	3692.3	3700.9	3698.8	3692.3	3694.5	3688.1	3692.3	3698.8	3703.1	3705.2
7.5°	3649.4	3658.0	3653.7	3643.0	3643.0	3636.6	3638.7	3645.1	3651.6	3653.7
10°	3638.7	3647.3	3634.4	3617.3	3610.8	3602.2	3604.4	3610.8	3623.7	3630.1
12.5°	3643.0	3649.4	3636.6	3610.8	3604.4	3595.8	3595.8	3602.2	3619.4	3628.0
15°	3655.9	3662.3	3643.0	3615.1	3608.7	3602.2	3600.1	3608.7	3628.0	3643.0
17.5°	3679.5	3685.9	3655.9	3617.3	3608.7	3610.8	3608.7	3615.1	3645.1	3673.0
20°	3700.9	3705.2	3664.5	3617.3	3608.7	3610.8	3608.7	3621.5	3660.2	3698.8
22.5°	3707.4	3711.7	3673.0	3632.3	3625.8	3628.0	3625.8	3638.7	3675.2	3713.8
25°	3709.5	3715.9	3685.9	3653.7	3664.5	3668.7	3664.5	3666.6	3694.5	3728.8
27.5°	3741.7	3750.3	3722.4	3694.5	3700.9	3698.8	3705.2	3711.7	3733.1	3767.4
30°	3808.2	3814.6	3791.0	3763.1	3758.9	3743.8	3763.1	3784.6	3808.2	3838.2
32.5°	3917.6	3930.5	3900.5	3870.4	3851.1	3842.5	3857.5	3894.0	3926.2	3958.4
35°	4100.0	4108.6	4080.7	4024.9	3990.6	3990.6	4003.4	4050.6	4102.1	4142.9
37.5°	4357.4	4368.2	4318.8	4252.3	4200.8	4200.8	4218.0	4267.3	4344.6	4402.5
40°	4670.7	4685.7	4623.5	4554.8	4505.5	4496.9	4518.4	4574.1	4647.1	4720.0
42.5°	5048.3	5065.4	4983.9	4923.8	4885.2	4885.2	4896.0	4947.4	5014.0	5104.1
45°	5531.0	5561.0	5449.5	5389.4	5352.9	5361.5	5368.0	5413.0	5473.1	5576.1
47.5°	6106.0	6136.0	6018.0	5955.8	5949.4	5990.1	5964.4	5996.6	6028.8	6146.8
50°	6758.2	6809.7	6728.2	6723.9	6736.8	6811.9	6751.8	6768.9	6732.5	6807.6
52.5°	7556.3	7631.4	7616.4	7642.2	7785.9	7940.4	7803.1	7743.0	7605.7	7629.3
55°	8523.9	8637.6	8659.1	8813.6	9139.7	9455.1	9163.3	8920.8	8629.1	8575.4
57.5°	9624.6	9714.7	9817.7	10133.0	10742.4	11302.3	10742.4	10206.0	9746.9	9637.4
60°	10808.9	10920.4	11019.1	11484.7	12390.1	13177.5	12372.9	11521.2	10914.0	10766.0
62.5°	12081.1	12224.9	12293.5	12810.6	13866.1	14805.9	13881.2	12849.2	12175.5	12016.8
65°	13301.9	13419.9	13497.1	14048.5	15056.9	15998.7	15125.5	14108.6	13415.6	13207.5
67.5°	13870.4	13934.8	14123.6	14747.9	15812.1	16887.0	15992.3	14814.4	14039.9	13675.2
70°	13038.0	12907.1	13362.0	14361.8	15902.2	17431.9	16108.2	14331.7	13383.4	12791.3
72.5°	10075.1	9849.8	10639.4	12349.3	14872.4	17084.3	14975.4	12445.9	11130.7	9929.2
75°	5481.7	5226.4	6316.3	8478.9	11860.1	14808.0	12132.6	8721.3	7032.8	5440.9
77.5°	1546.9	1450.3	2330.0	4102.1	7133.7	10396.9	7408.3	4192.2	2763.4	1639.1
80°	474.1	459.1	622.2	1235.8	3029.4	4979.6	2911.4	1250.8	791.7	499.9
82.5°	281.1	257.5	308.9	450.5	772.4	1564.0	750.9	469.9	377.6	253.2
85°	160.9	150.2	182.4	218.8	259.6	332.5	216.7	223.1	201.7	135.2
87.5°	66.5	60.1	70.8	68.7	60.1	77.2	57.9	68.7	81.5	53.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3765.3
3752.4
3705.2
3653.7
3630.1
3630.1
3645.1
3673.0
3700.9
3713.8
3726.7
3758.9
3831.8
3945.5
4127.9
4381.0
4696.4
5097.6
5571.8
6112.4
6762.5
7549.9
8491.8
9560.2
10637.2
11888.0
13104.5
13679.5
12932.9
10227.4
5794.9
1821.5
527.8
274.6
141.6
49.3
0.0

OF REPORT)