

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: P952139

Luminaire Tested: **GALN-SB6A-830-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952139
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-830-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25613 lumens
Efficiency: N/A
Efficacy: 149.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

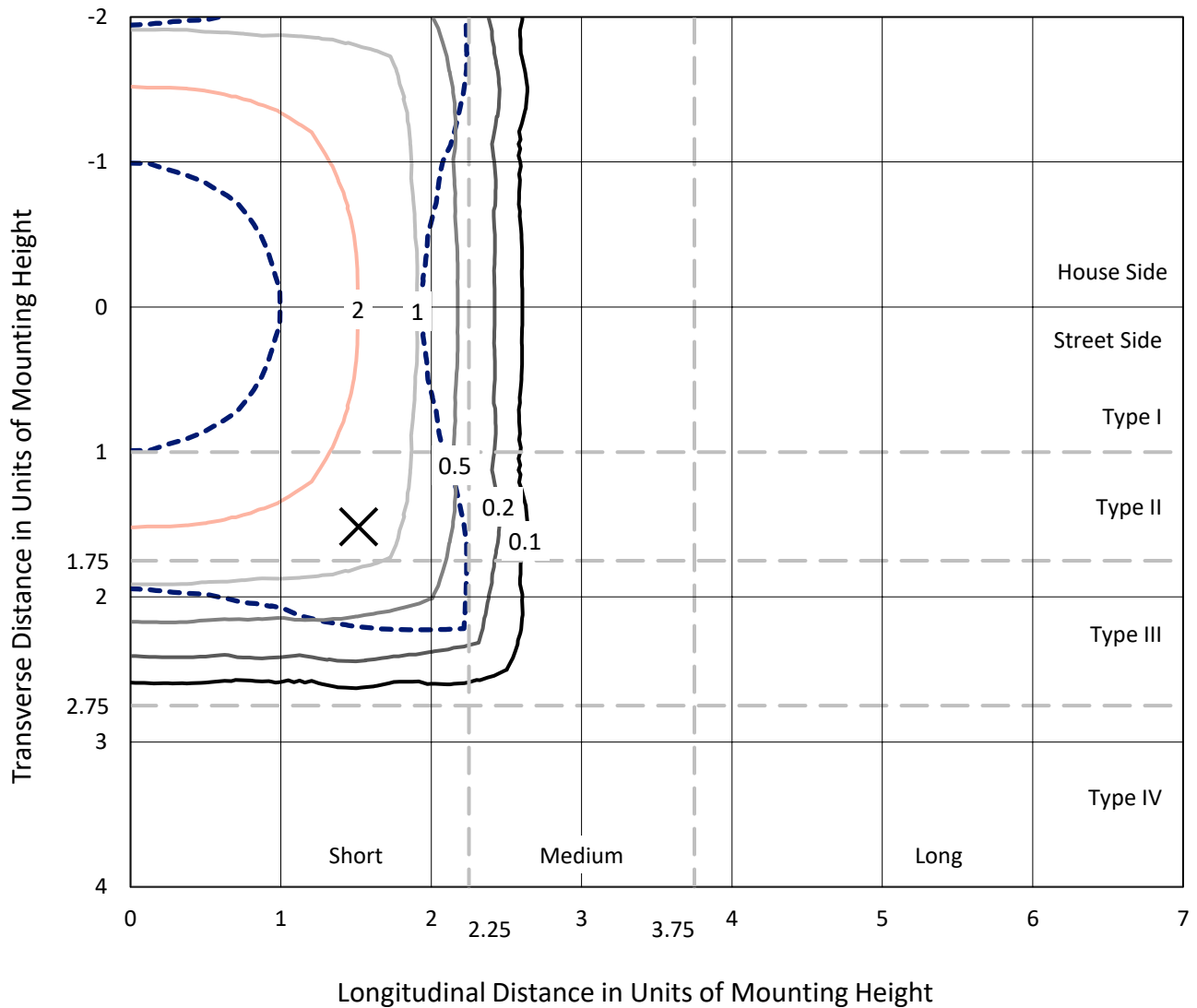
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

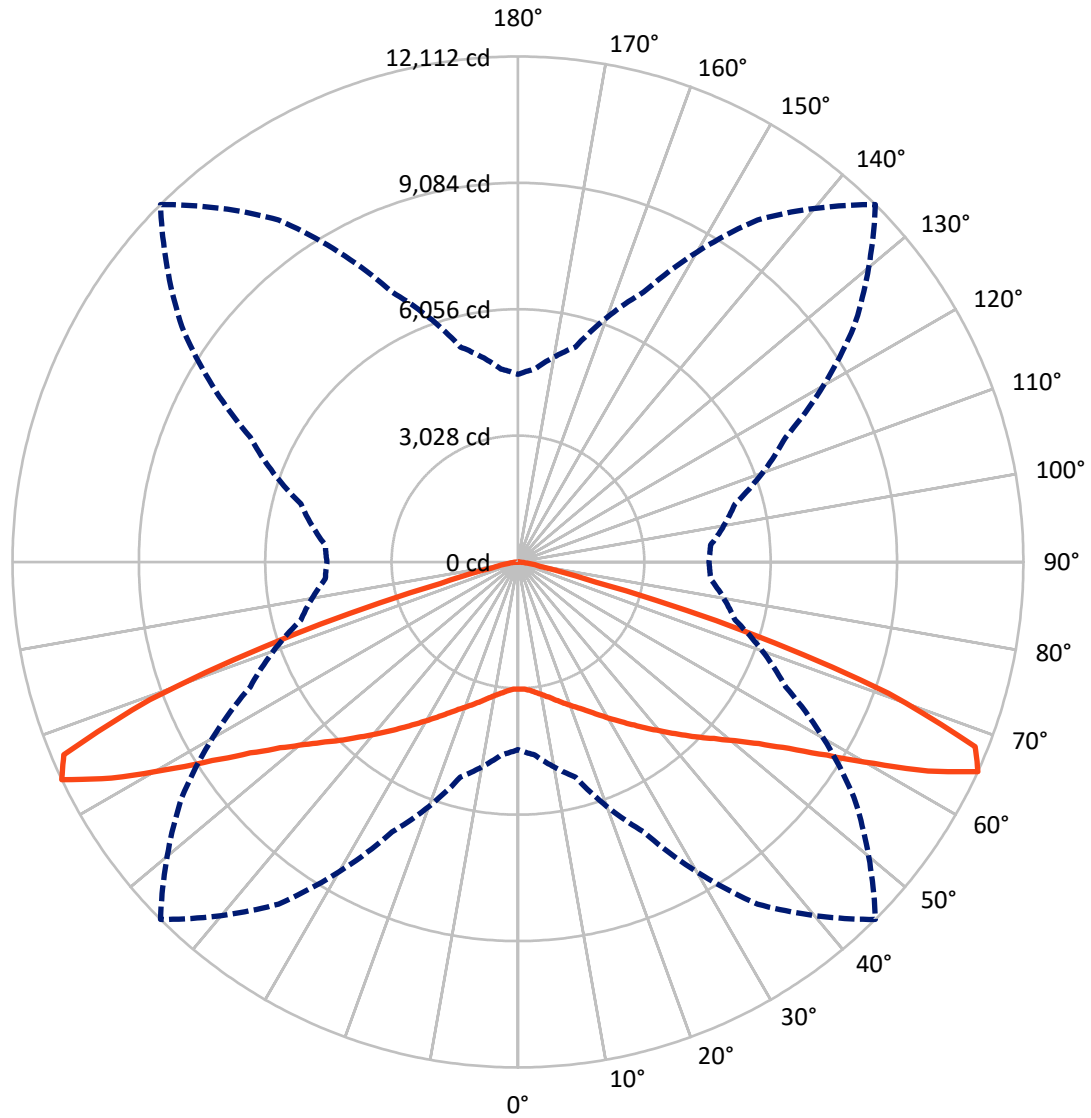
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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
House Side	Lumens	12806.5	0.0	12806.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12806.5	0.0	12806.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25613.0	0.0	25613.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.8	1.2
10°-20°	981.6	3.8
20°-30°	1853.4	7.2
30°-40°	3034.9	11.8
40°-50°	4705.7	18.4
50°-60°	6951.2	27.1
60°-70°	6616.9	25.8
70°-80°	1067.7	4.2
80°-90°	100.6	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°	25613.0	100.0
0°-180°	25613.0	100.0

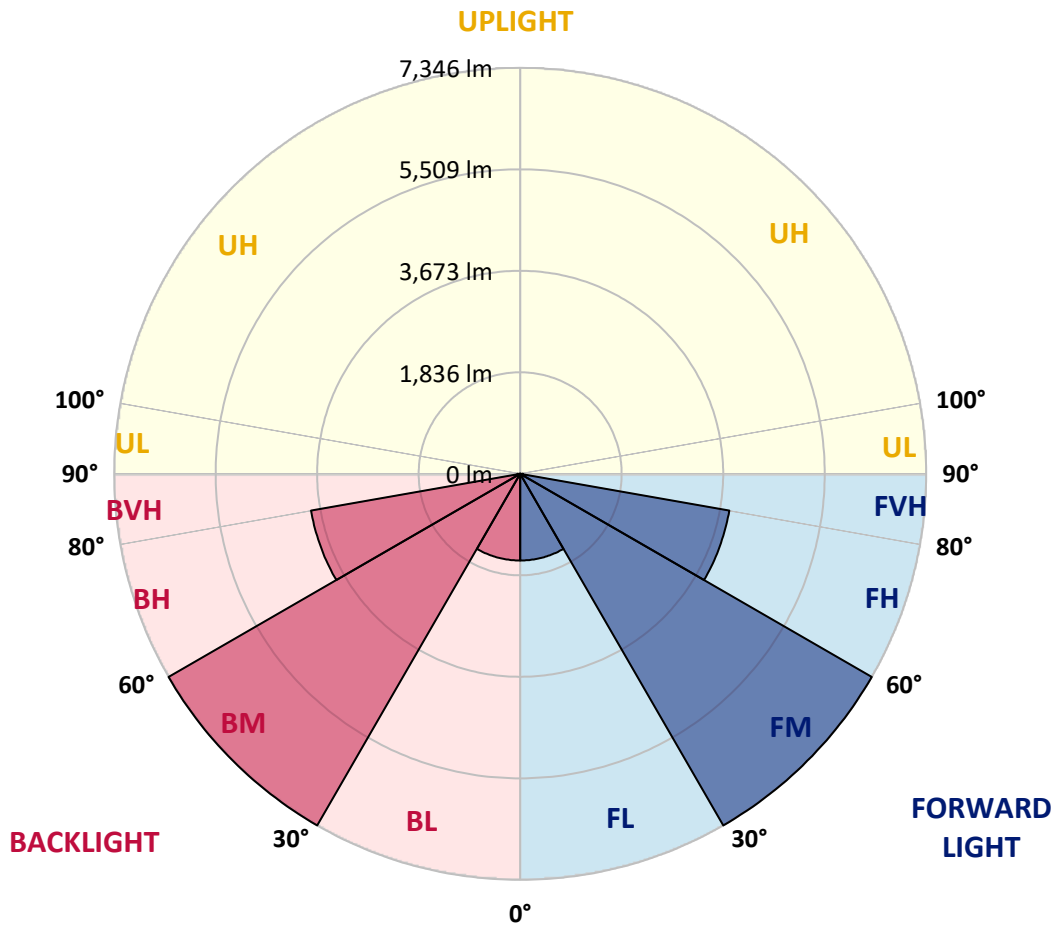


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1567.9	6.1			
FM (30°-60°)	7345.9	28.7			
FH (60°-80°)	3842.3	15.0			G2/5000
FVH (80°-90°)	50.3	0.2			G1/100
BL (0°-30°)	1567.9	6.1	B3/2500		
BM (30°-60°)	7345.9	28.7	B4/8500		
BH (60°-80°)	3842.3	15.0	B4/5000		G2/5000
BVH (80°-90°)	50.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
 Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3048.2	3048.2	3048.2	3048.2	3048.2	3048.2	3048.2	3048.2	3048.2	3048.2
2.5°	3068.8	3058.5	3066.2	3059.8	3054.6	3049.5	3052.1	3061.1	3064.9	3066.2
5°	3109.9	3100.9	3104.7	3104.7	3095.8	3093.2	3094.5	3100.9	3108.6	3108.6
7.5°	3176.7	3167.7	3176.7	3171.6	3163.9	3161.3	3160.0	3165.1	3176.7	3176.7
10°	3257.7	3247.4	3252.5	3250.0	3241.0	3237.1	3235.8	3243.5	3253.8	3252.5
12.5°	3346.3	3334.8	3341.2	3333.5	3330.9	3327.1	3327.1	3325.8	3332.2	3327.1
15°	3445.3	3437.6	3440.2	3435.0	3438.9	3436.3	3426.0	3420.9	3423.4	3415.7
17.5°	3562.2	3544.2	3553.2	3550.7	3550.7	3555.8	3539.1	3532.7	3537.8	3530.1
20°	3697.2	3679.2	3683.0	3677.9	3671.5	3676.6	3656.0	3661.2	3665.0	3659.9
22.5°	3845.0	3821.8	3820.5	3823.1	3809.0	3810.3	3796.1	3809.0	3816.7	3802.5
25°	3996.6	3972.2	3988.9	3982.5	3964.5	3968.3	3958.0	3970.9	3977.3	3959.3
27.5°	4157.2	4140.5	4155.9	4159.8	4137.9	4153.4	4137.9	4149.5	4155.9	4129.0
30°	4344.8	4328.1	4342.3	4352.6	4326.9	4351.3	4338.4	4346.1	4347.4	4315.3
32.5°	4549.2	4523.5	4559.5	4564.6	4536.3	4565.9	4549.2	4559.5	4565.9	4522.2
35°	4798.5	4766.4	4807.5	4801.0	4776.6	4801.0	4785.6	4801.0	4816.5	4763.8
37.5°	5067.1	5033.6	5077.3	5065.8	5042.6	5059.3	5050.4	5060.6	5085.1	5028.5
40°	5362.6	5321.5	5380.6	5360.1	5338.2	5335.6	5340.8	5347.2	5379.3	5316.4
42.5°	5678.8	5635.1	5723.7	5691.6	5660.8	5640.2	5656.9	5669.8	5700.6	5629.9
45°	6039.9	5989.7	6105.4	6066.8	6018.0	5975.6	6002.6	6021.9	6066.8	5982.0
47.5°	6438.2	6381.7	6505.1	6493.5	6413.8	6321.3	6383.0	6438.2	6471.6	6368.8
50°	6827.6	6783.9	6945.8	6960.0	6862.3	6732.5	6818.6	6902.1	6911.1	6776.2
52.5°	7192.6	7148.9	7384.1	7472.7	7385.3	7231.1	7322.4	7407.2	7339.1	7164.3
55°	7484.3	7448.3	7747.7	7976.5	8006.0	7878.8	7932.8	7930.2	7706.6	7438.0
57.5°	7555.0	7549.8	7927.6	8412.1	8720.5	8736.0	8629.3	8356.9	7875.0	7513.8
60°	7233.7	7265.8	7785.0	8639.6	9462.0	9803.9	9342.5	8565.0	7683.5	7182.3
62.5°	6272.5	6357.3	6983.1	8362.0	10060.9	11032.4	9914.4	8248.9	6897.0	6242.9
65°	4495.2	4643.0	5334.4	7136.0	10006.9	12111.9	9832.1	7078.2	5385.8	4631.4
67.5°	2039.4	2189.8	2777.1	4885.9	8698.7	11818.9	8678.1	4937.3	2915.8	2197.5
70°	738.9	764.6	953.5	1955.9	5559.2	9417.0	5797.0	1970.0	1013.9	814.7
72.5°	447.2	451.1	490.9	700.4	1931.5	5717.3	2013.7	723.5	501.2	444.6
75°	284.0	281.4	349.5	427.9	684.9	1928.9	718.4	427.9	348.3	317.4
77.5°	204.3	210.8	250.6	320.0	431.8	654.1	424.1	305.8	250.6	205.6
80°	152.9	156.8	182.5	249.3	303.3	407.4	269.9	226.2	188.9	128.5
82.5°	110.5	110.5	119.5	181.2	185.1	219.7	146.5	159.3	124.7	91.2
85°	65.5	64.3	74.5	107.9	96.4	81.0	66.8	97.7	78.4	56.5
87.5°	23.1	24.4	23.1	30.8	25.7	21.8	20.6	27.0	21.8	19.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3048.2
3066.2
3108.6
3172.9
3250.0
3329.6
3417.0
3536.5
3671.5
3816.7
3979.9
4149.5
4334.6
4551.7
4795.9
5063.2
5336.9
5667.2
6025.7
6403.5
6792.9
7169.4
7447.0
7490.7
7123.2
6204.4
4576.2
2165.4
804.5
452.3
320.0
209.5
132.4
91.2
55.3
18.0
0.0

OF REPORT)