

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: P952160

Luminaire Tested: **GALN-SB6A-835-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952160
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-835-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26439 lumens
Efficiency: N/A
Efficacy: 154.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

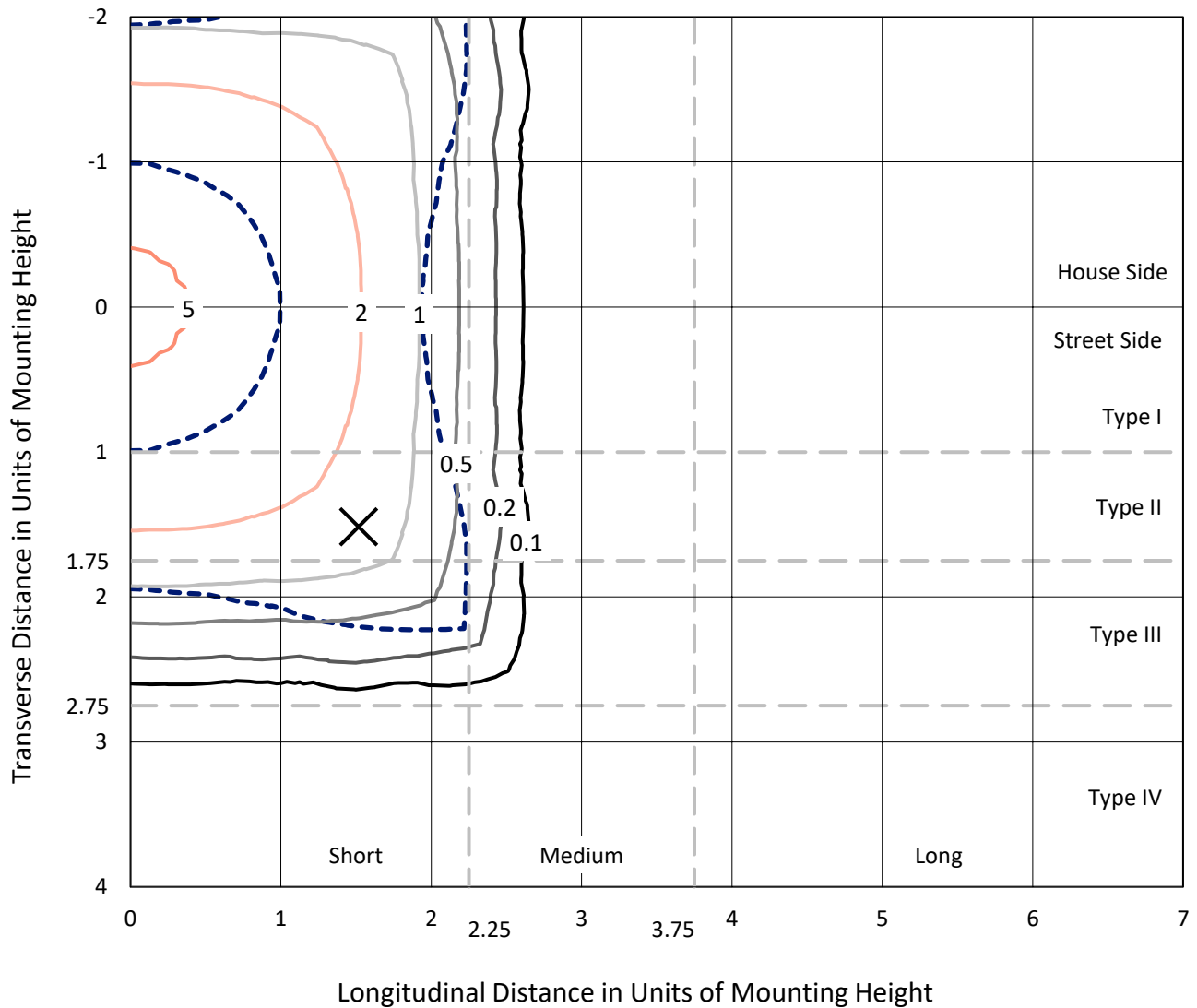
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

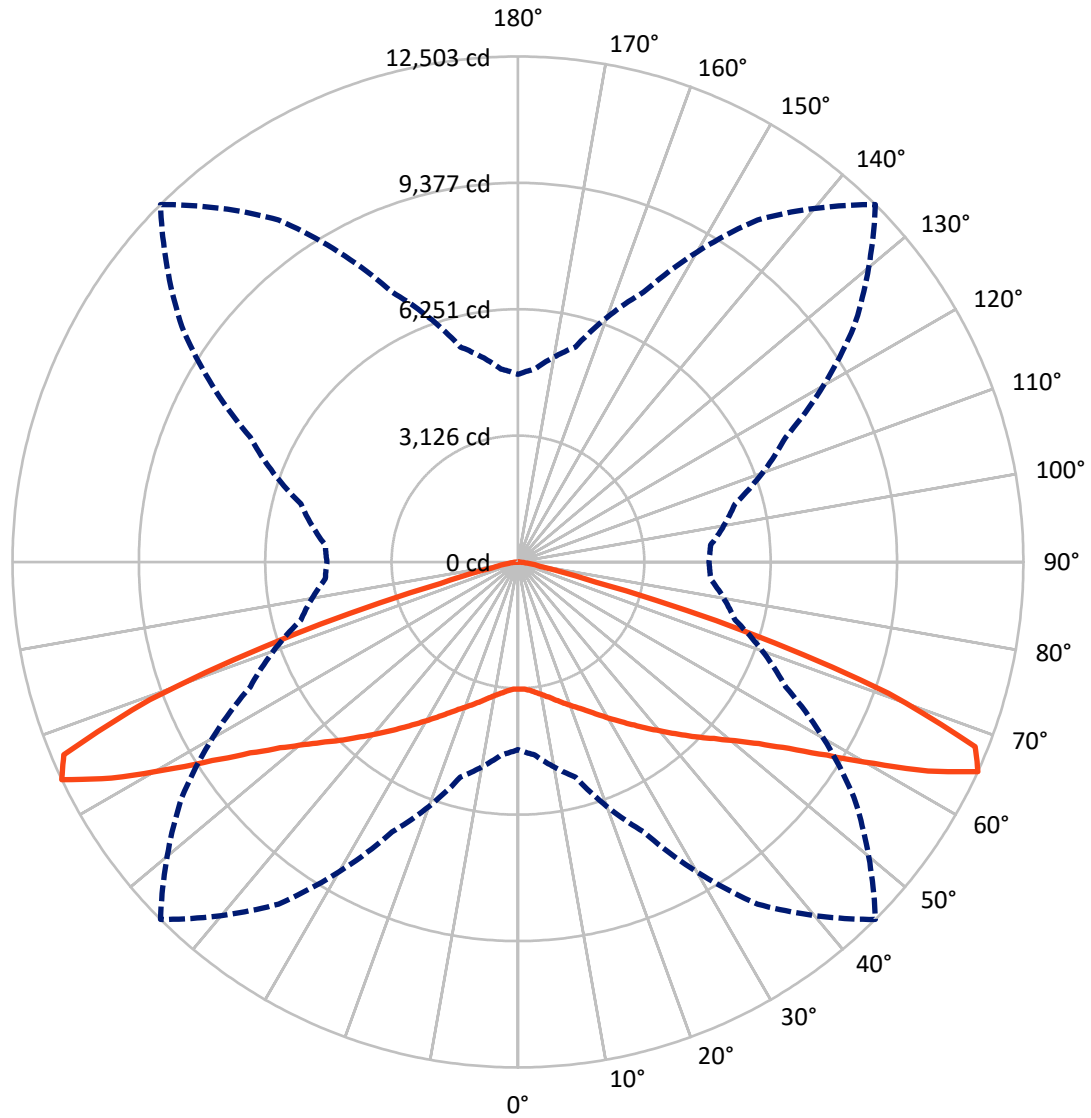
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	13219.5	0.0	13219.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13219.5	0.0	13219.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26439.0	0.0	26439.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.5	1.2
10°-20°	1013.3	3.8
20°-30°	1913.2	7.2
30°-40°	3132.8	11.8
40°-50°	4857.4	18.4
50°-60°	7175.4	27.1
60°-70°	6830.3	25.8
70°-80°	1102.2	4.2
80°-90°	103.9	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°	26439.0	100.0
0°-180°	26439.0	100.0

Coefficient of Utilization



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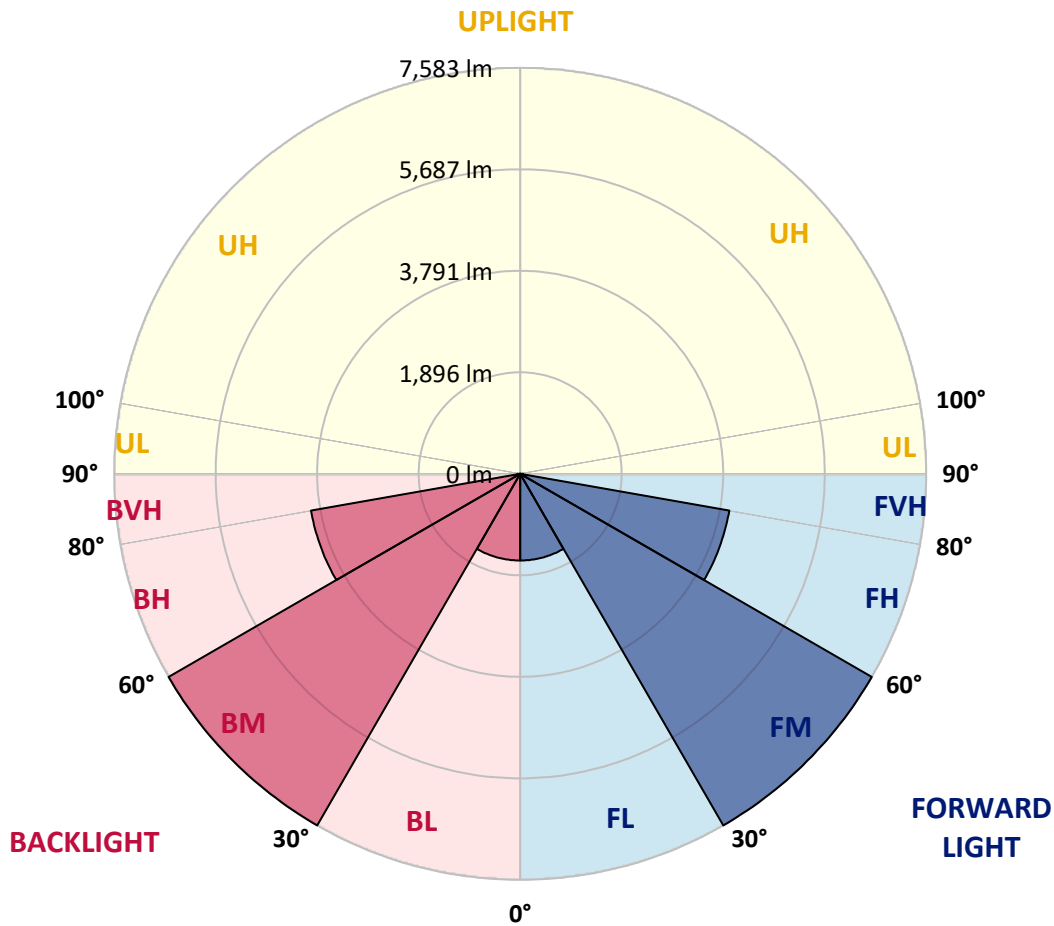
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1618.5	6.1			
FM (30°-60°)	7582.8	28.7			
FH (60°-80°)	3966.2	15.0			G2/5000
FVH (80°-90°)	51.9	0.2			G1/100
BL (0°-30°)	1618.5	6.1	B3/2500		
BM (30°-60°)	7582.8	28.7	B4/8500		
BH (60°-80°)	3966.2	15.0	B4/5000		G2/5000
BVH (80°-90°)	51.9	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°	3146.5	3146.5	3146.5	3146.5	3146.5	3146.5	3146.5	3146.5	3146.5	3146.5
2.5°	3167.7	3157.1	3165.1	3158.4	3153.1	3147.8	3150.5	3159.8	3163.8	3165.1
5°	3210.2	3200.9	3204.9	3204.9	3195.6	3192.9	3194.3	3200.9	3208.9	3208.9
7.5°	3279.2	3269.9	3279.2	3273.9	3265.9	3263.2	3261.9	3267.2	3279.2	3279.2
10°	3362.7	3352.1	3357.4	3354.8	3345.5	3341.5	3340.2	3348.1	3358.7	3357.4
12.5°	3454.3	3442.3	3449.0	3441.0	3438.3	3434.4	3434.4	3433.0	3439.7	3434.4
15°	3556.4	3548.4	3551.1	3545.8	3549.8	3547.1	3536.5	3531.2	3533.8	3525.9
17.5°	3677.1	3658.5	3667.8	3665.2	3665.2	3670.5	3653.2	3646.6	3651.9	3644.0
20°	3816.4	3797.8	3801.8	3796.5	3789.9	3795.2	3773.9	3779.3	3783.2	3777.9
22.5°	3968.9	3945.1	3943.7	3946.4	3931.8	3933.1	3918.5	3931.8	3939.8	3925.2
25°	4125.5	4100.3	4117.5	4110.9	4092.3	4096.3	4085.7	4098.9	4105.6	4087.0
27.5°	4291.3	4274.0	4290.0	4293.9	4271.4	4287.3	4271.4	4283.3	4290.0	4262.1
30°	4485.0	4467.7	4482.3	4492.9	4466.4	4491.6	4478.3	4486.3	4487.6	4454.5
32.5°	4695.9	4669.4	4706.5	4711.8	4682.6	4713.1	4695.9	4706.5	4713.1	4668.0
35°	4953.2	4920.1	4962.5	4955.9	4930.7	4955.9	4940.0	4955.9	4971.8	4917.4
37.5°	5230.5	5196.0	5241.1	5229.1	5205.3	5222.5	5213.2	5223.8	5249.0	5190.7
40°	5535.6	5493.1	5554.1	5532.9	5510.4	5507.7	5513.0	5519.6	5552.8	5487.8
42.5°	5861.9	5816.8	5908.3	5875.2	5843.3	5822.1	5839.3	5852.6	5884.4	5811.5
45°	6234.6	6182.9	6302.3	6262.5	6212.1	6168.3	6196.2	6216.1	6262.5	6175.0
47.5°	6645.9	6587.5	6714.8	6702.9	6620.7	6525.2	6588.8	6645.9	6680.4	6574.2
50°	7047.8	7002.7	7169.8	7184.4	7083.6	6949.6	7038.5	7124.7	7134.0	6994.7
52.5°	7424.5	7379.4	7622.2	7713.7	7623.5	7464.3	7558.5	7646.1	7575.8	7395.3
55°	7725.7	7688.5	7997.6	8233.7	8264.2	8132.9	8188.6	8186.0	7955.1	7677.9
57.5°	7798.6	7793.3	8183.3	8683.4	9001.8	9017.7	8907.6	8626.4	8128.9	7756.2
60°	7467.0	7500.1	8036.1	8918.2	9767.2	10120.0	9643.8	8841.3	7931.3	7413.9
62.5°	6474.7	6562.3	7208.3	8631.7	10385.3	11388.2	10234.1	8514.9	7119.4	6444.2
65°	4640.2	4792.7	5506.4	7366.2	10329.6	12502.5	10149.2	7306.5	5559.4	4780.8
67.5°	2105.2	2260.4	2866.6	5043.4	8979.2	12200.0	8958.0	5096.5	3009.9	2268.3
70°	762.7	789.3	984.3	2019.0	5738.5	9720.7	5983.9	2033.6	1046.6	841.0
72.5°	461.6	465.6	506.7	723.0	1993.8	5901.7	2078.7	746.8	517.3	459.0
75°	293.2	290.5	360.8	441.7	707.0	1991.1	741.5	441.7	359.5	327.7
77.5°	210.9	217.5	258.7	330.3	445.7	675.2	437.8	315.7	258.7	212.2
80°	157.9	161.8	188.4	257.3	313.1	420.5	278.6	233.5	195.0	132.7
82.5°	114.1	114.1	123.4	187.0	191.0	226.8	151.2	164.5	128.7	94.2
85°	67.7	66.3	76.9	111.4	99.5	83.6	69.0	100.8	80.9	58.4
87.5°	23.9	25.2	23.9	31.8	26.5	22.6	21.2	27.9	22.6	19.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3146.5
3165.1
3208.9
3275.2
3354.8
3437.0
3527.2
3650.6
3789.9
3939.8
4108.2
4283.3
4474.4
4698.5
4950.6
5226.5
5509.0
5850.0
6220.1
6610.0
7012.0
7400.7
7687.2
7732.3
7352.9
6404.4
4723.7
2235.2
830.4
466.9
330.3
216.2
136.6
94.2
57.0
18.6
0.0

OF REPORT)