

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: P952034

Luminaire Tested: **GALN-SB6A-735-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952034
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-735-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 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: 28505 lumens
Efficiency: N/A
Efficacy: 166.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

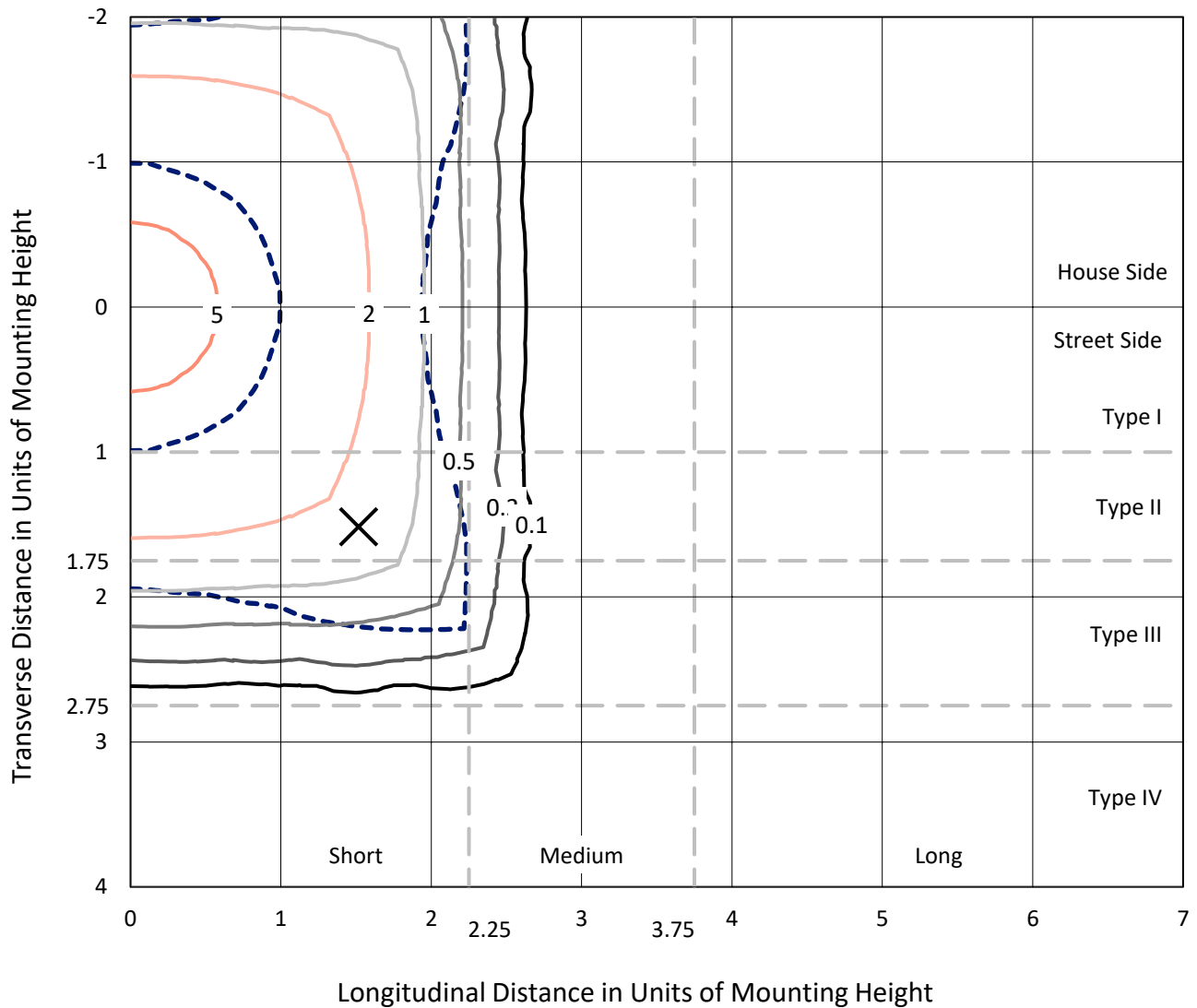
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

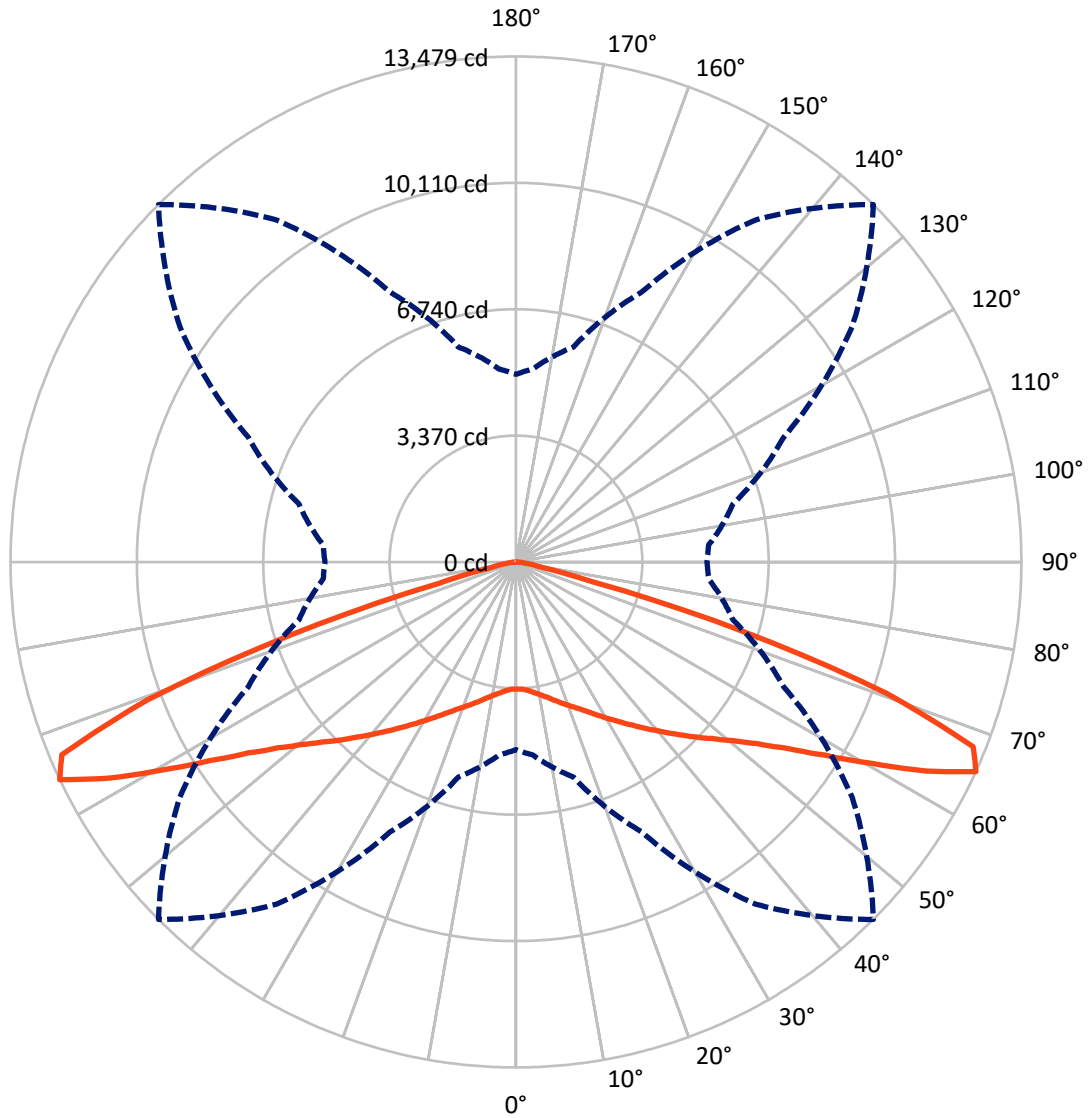
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	14252.5	0.0	14252.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14252.5	0.0	14252.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28505.0	0.0	28505.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.8	1.2
10°-20°	1092.5	3.8
20°-30°	2062.7	7.2
30°-40°	3377.6	11.8
40°-50°	5237.0	18.4
50°-60°	7736.1	27.1
60°-70°	7364.1	25.8
70°-80°	1188.3	4.2
80°-90°	112.0	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°	28505.0	100.0
0°-180°	28505.0	100.0

Coefficient of Utilization



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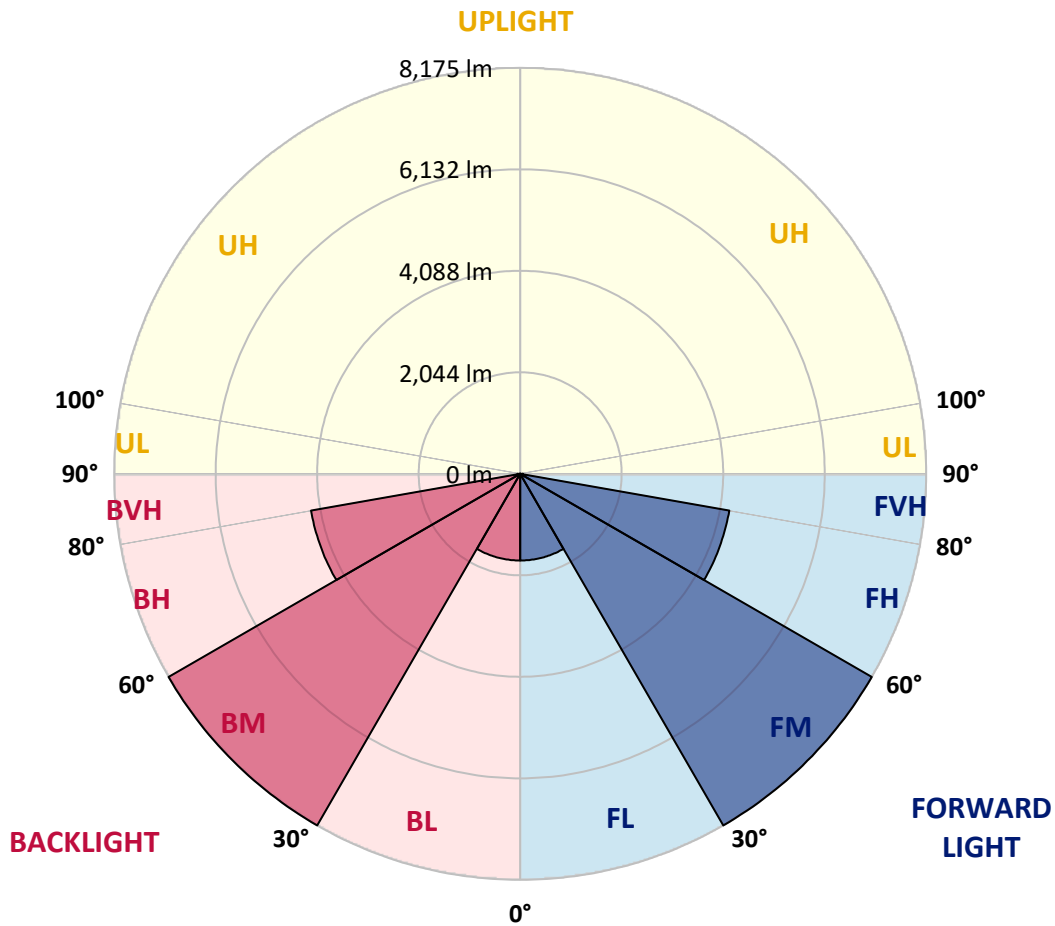
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1745.0	6.1			
FM (30°-60°)	8175.3	28.7			
FH (60°-80°)	4276.2	15.0			G2/5000
FVH (80°-90°)	56.0	0.2			G1/100
BL (0°-30°)	1745.0	6.1	B3/2500		
BM (30°-60°)	8175.3	28.7	B4/8500		
BH (60°-80°)	4276.2	15.0	B4/5000		G2/5000
BVH (80°-90°)	56.0	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°	3392.4	3392.4	3392.4	3392.4	3392.4	3392.4	3392.4	3392.4	3392.4	3392.4
2.5°	3415.3	3403.8	3412.4	3405.3	3399.5	3393.8	3396.7	3406.7	3411.0	3412.4
5°	3461.0	3451.0	3455.3	3455.3	3445.3	3442.4	3443.9	3451.0	3459.6	3459.6
7.5°	3535.4	3525.4	3535.4	3529.7	3521.1	3518.2	3516.8	3522.5	3535.4	3535.4
10°	3625.5	3614.1	3619.8	3616.9	3606.9	3602.6	3601.2	3609.8	3621.2	3619.8
12.5°	3724.2	3711.3	3718.5	3709.9	3707.0	3702.7	3702.7	3701.3	3708.4	3702.7
15°	3834.3	3825.7	3828.6	3822.9	3827.2	3824.3	3812.9	3807.1	3810.0	3801.4
17.5°	3964.5	3944.4	3954.4	3951.6	3951.6	3957.3	3938.7	3931.6	3937.3	3928.7
20°	4114.6	4094.6	4098.9	4093.2	4086.0	4091.7	4068.9	4074.6	4078.9	4073.1
22.5°	4279.1	4253.3	4251.9	4254.8	4239.0	4240.5	4224.7	4239.0	4247.6	4231.9
25°	4447.9	4420.7	4439.3	4432.1	4412.1	4416.4	4404.9	4419.2	4426.4	4406.4
27.5°	4626.6	4608.0	4625.2	4629.5	4605.2	4622.3	4605.2	4618.0	4625.2	4595.2
30°	4835.4	4816.8	4832.6	4844.0	4815.4	4842.6	4828.3	4836.9	4838.3	4802.5
32.5°	5062.8	5034.2	5074.3	5080.0	5048.5	5081.4	5062.8	5074.3	5081.4	5032.8
35°	5340.3	5304.5	5350.3	5343.1	5316.0	5343.1	5326.0	5343.1	5360.3	5301.7
37.5°	5639.2	5602.0	5650.6	5637.8	5612.0	5630.6	5620.6	5632.0	5659.2	5596.3
40°	5968.1	5922.4	5988.2	5965.3	5941.0	5938.1	5943.8	5951.0	5986.7	5916.6
42.5°	6320.0	6271.3	6370.0	6334.3	6299.9	6277.0	6295.6	6309.9	6344.3	6265.6
45°	6721.8	6666.1	6794.8	6751.9	6697.5	6650.3	6680.4	6701.8	6751.9	6657.5
47.5°	7165.2	7102.3	7239.6	7226.7	7138.0	7035.0	7103.7	7165.2	7202.4	7088.0
50°	7598.5	7549.9	7730.1	7745.8	7637.1	7492.7	7588.5	7681.5	7691.5	7541.3
52.5°	8004.7	7956.1	8217.8	8316.5	8219.2	8047.6	8149.1	8243.5	8167.7	7973.2
55°	8329.4	8289.3	8622.5	8877.1	8910.0	8768.4	8828.5	8825.6	8576.8	8277.9
57.5°	8408.0	8402.3	8822.8	9361.9	9705.2	9722.3	9603.6	9300.4	8764.1	8362.2
60°	8050.5	8086.2	8664.0	9615.1	10530.4	10910.8	10397.4	9532.1	8551.0	7993.3
62.5°	6980.7	7075.1	7771.6	9306.2	11196.9	12278.1	11033.8	9180.3	7675.8	6947.8
65°	5002.8	5167.2	5936.7	7941.8	11136.8	13479.4	10942.3	7877.4	5993.9	5154.4
67.5°	2269.7	2437.0	3090.6	5437.5	9680.9	13153.3	9658.0	5494.7	3245.1	2445.6
70°	822.4	851.0	1061.2	2176.7	6186.9	10480.3	6451.5	2192.5	1128.4	906.7
72.5°	497.7	502.0	546.3	779.4	2149.6	6362.9	2241.1	805.2	557.8	494.8
75°	316.1	313.2	389.0	476.2	762.3	2146.7	799.5	476.2	387.6	353.3
77.5°	227.4	234.5	278.9	356.1	480.5	728.0	472.0	340.4	278.9	228.8
80°	170.2	174.5	203.1	277.5	337.5	453.4	300.3	251.7	210.2	143.0
82.5°	123.0	123.0	133.0	201.7	205.9	244.6	163.0	177.3	138.7	101.5
85°	72.9	71.5	83.0	120.1	107.3	90.1	74.4	108.7	87.2	62.9
87.5°	25.7	27.2	25.7	34.3	28.6	24.3	22.9	30.0	24.3	21.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3392.4
3412.4
3459.6
3531.1
3616.9
3705.6
3802.8
3935.8
4086.0
4247.6
4429.3
4618.0
4824.0
5065.7
5337.4
5634.9
5939.5
6307.1
6706.1
7126.6
7559.9
7979.0
8287.9
8336.5
7927.5
6904.9
5092.9
2409.8
895.3
503.4
356.1
233.1
147.3
101.5
61.5
20.0
0.0

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