

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: P942310

Luminaire Tested: **GALN-SB6B-735-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942310
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-SB6B-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34540 lumens
Efficiency: N/A
Efficacy: 156.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

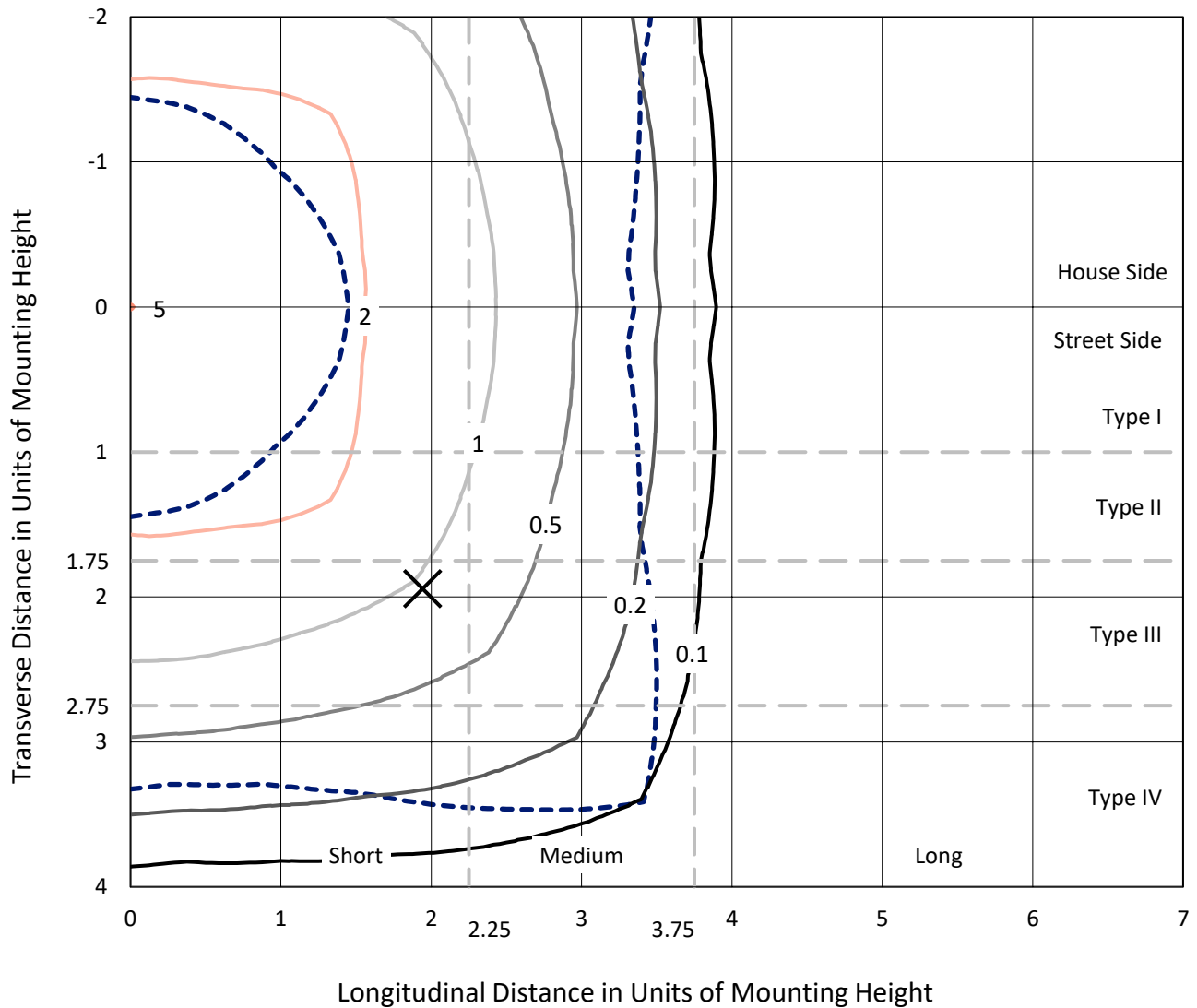
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

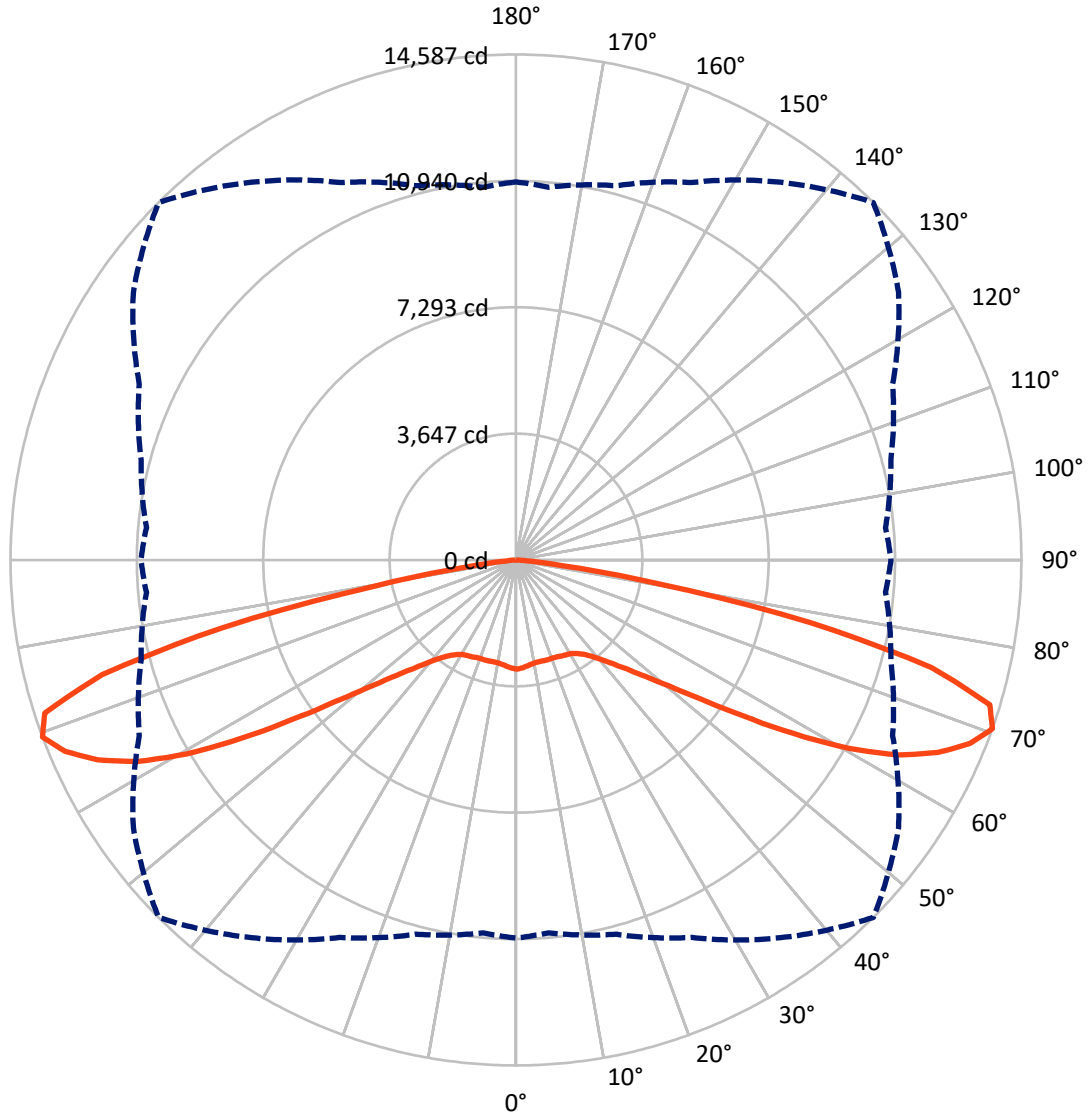
✕ Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17270.0	0.0	17270.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17270.0	0.0	17270.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34540.0	0.0	34540.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.1	0.8
10°-20°	860.6	2.5
20°-30°	1432.2	4.1
30°-40°	2165.8	6.3
40°-50°	3599.1	10.4
50°-60°	6791.4	19.7
60°-70°	11467.6	33.2
70°-80°	7535.4	21.8
80°-90°	394.8	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°	34540.0	100.0
0°-180°	34540.0	100.0

Coefficient of Utilization



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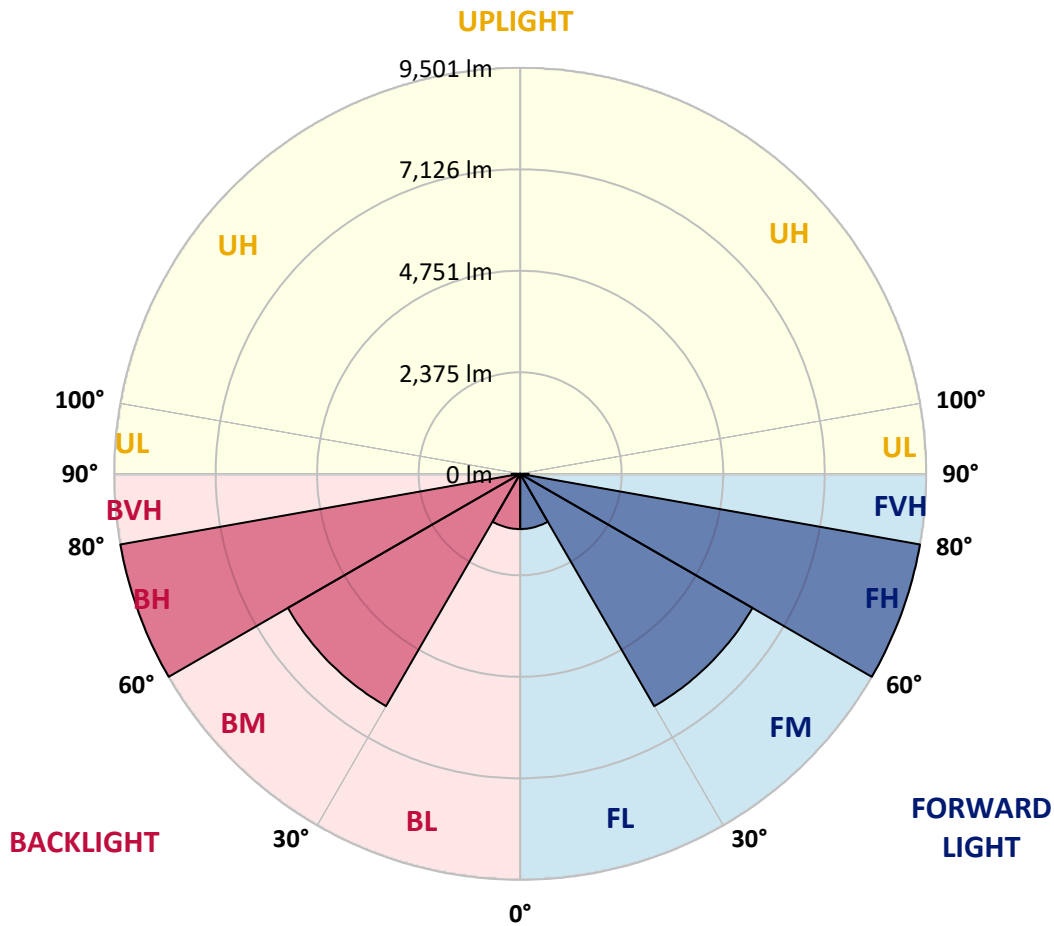
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1292.9	3.7			
FM (30°-60°)	6278.2	18.2			
FH (60°-80°)	9501.5	27.5			G4/12000
FVH (80°-90°)	197.4	0.6			G2/225
BL (0°-30°)	1292.9	3.7	B3/2500		
BM (30°-60°)	6278.2	18.2	B4/8500		
BH (60°-80°)	9501.5	27.5	B5		G4/12000
BVH (80°-90°)	197.4	0.6			G2/225
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°	3150.7	3150.7	3150.7	3150.7	3150.7	3150.7	3150.7	3150.7	3150.7	3150.7
2.5°	3131.0	3140.0	3136.4	3129.2	3129.2	3123.8	3129.2	3132.8	3138.2	3141.8
5°	3089.7	3096.9	3095.1	3089.7	3091.5	3086.1	3089.7	3095.1	3098.7	3100.5
7.5°	3053.8	3061.0	3057.4	3048.4	3048.4	3043.0	3044.8	3050.2	3055.6	3057.4
10°	3044.8	3052.0	3041.2	3026.9	3021.5	3014.3	3016.1	3021.5	3032.3	3037.6
12.5°	3048.4	3053.8	3043.0	3021.5	3016.1	3008.9	3008.9	3014.3	3028.7	3035.8
15°	3059.2	3064.6	3048.4	3025.1	3019.7	3014.3	3012.5	3019.7	3035.8	3048.4
17.5°	3078.9	3084.3	3059.2	3026.9	3019.7	3021.5	3019.7	3025.1	3050.2	3073.5
20°	3096.9	3100.5	3066.4	3026.9	3019.7	3021.5	3019.7	3030.5	3062.8	3095.1
22.5°	3102.3	3105.9	3073.5	3039.4	3034.0	3035.8	3034.0	3044.8	3075.3	3107.7
25°	3104.1	3109.5	3084.3	3057.4	3066.4	3070.0	3066.4	3068.2	3091.5	3120.2
27.5°	3131.0	3138.2	3114.8	3091.5	3096.9	3095.1	3100.5	3105.9	3123.8	3152.5
30°	3186.6	3192.0	3172.3	3148.9	3145.4	3132.8	3148.9	3166.9	3186.6	3211.8
32.5°	3278.2	3289.0	3263.8	3238.7	3222.6	3215.4	3227.9	3258.5	3285.4	3312.3
35°	3430.8	3438.0	3414.7	3368.0	3339.2	3339.2	3350.0	3389.5	3432.6	3466.7
37.5°	3646.2	3655.2	3613.9	3558.3	3515.2	3515.2	3529.6	3570.8	3635.5	3683.9
40°	3908.4	3920.9	3868.9	3811.4	3770.1	3762.9	3780.9	3827.6	3888.6	3949.6
42.5°	4224.3	4238.7	4170.5	4120.2	4087.9	4087.9	4096.9	4140.0	4195.6	4271.0
45°	4628.3	4653.4	4560.1	4509.8	4479.3	4486.4	4491.8	4529.5	4579.8	4666.0
47.5°	5109.4	5134.5	5035.8	4983.7	4978.4	5012.5	4990.9	5017.9	5044.8	5143.5
50°	5655.2	5698.3	5630.0	5626.5	5637.2	5700.1	5649.8	5664.2	5633.6	5696.5
52.5°	6323.0	6385.9	6373.3	6394.8	6515.1	6644.4	6529.5	6479.2	6364.3	6384.1
55°	7132.7	7227.9	7245.8	7375.1	7648.0	7911.9	7667.7	7464.8	7220.7	7175.8
57.5°	8053.7	8129.1	8215.3	8479.2	8989.0	9457.6	8989.0	8540.2	8156.0	8064.5
60°	9044.7	9138.1	9220.6	9610.2	10367.8	11026.7	10353.5	9640.7	9132.7	9008.8
62.5°	10109.3	10229.6	10287.0	10719.7	11603.0	12389.3	11615.6	10752.0	10188.3	10055.4
65°	11130.8	11229.6	11294.2	11755.6	12599.4	13387.5	12656.8	11805.9	11226.0	11051.8
67.5°	11606.6	11660.4	11818.4	12340.9	13231.3	14130.8	13382.1	12396.5	11748.4	11443.2
70°	10910.0	10800.5	11181.1	12017.7	13306.7	14586.8	13479.1	11992.6	11199.1	10703.6
72.5°	8430.7	8242.2	8902.9	10333.7	12445.0	14295.9	12531.2	10414.5	9314.0	8308.6
75°	4587.0	4373.3	5285.3	7095.0	9924.4	12391.1	10152.4	7297.9	5885.0	4552.9
77.5°	1294.4	1213.6	1949.7	3432.6	5969.4	8700.0	6199.2	3508.0	2312.3	1371.6
80°	396.8	384.2	520.6	1034.1	2535.0	4166.9	2436.2	1046.7	662.5	418.3
82.5°	235.2	215.4	258.5	377.0	646.3	1308.8	628.4	393.2	316.0	211.8
85°	134.6	125.7	152.6	183.1	217.2	278.3	181.3	186.7	168.8	113.1
87.5°	55.7	50.3	59.2	57.4	50.3	64.6	48.5	57.4	68.2	44.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3150.7
3140.0
3100.5
3057.4
3037.6
3037.6
3050.2
3073.5
3096.9
3107.7
3118.4
3145.4
3206.4
3301.5
3454.1
3666.0
3929.9
4265.6
4662.4
5114.8
5658.8
6317.6
7105.8
7999.8
8901.1
9947.7
10965.7
11446.8
10822.0
8558.2
4849.1
1524.2
441.6
229.8
118.5
41.3
0.0

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