

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: P942590

Luminaire Tested: **GALN-SB6C-935-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942590
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-935-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31956 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

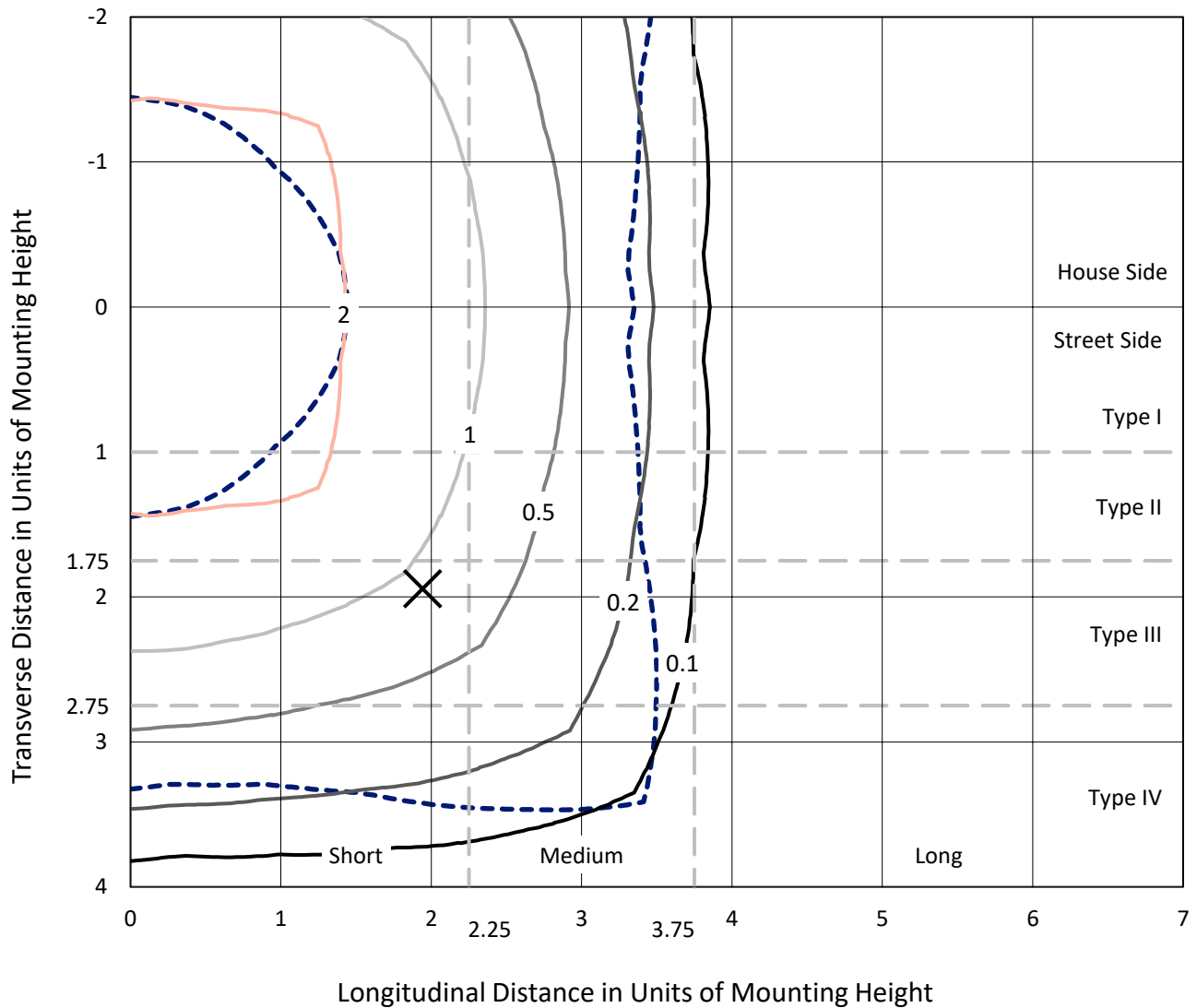
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

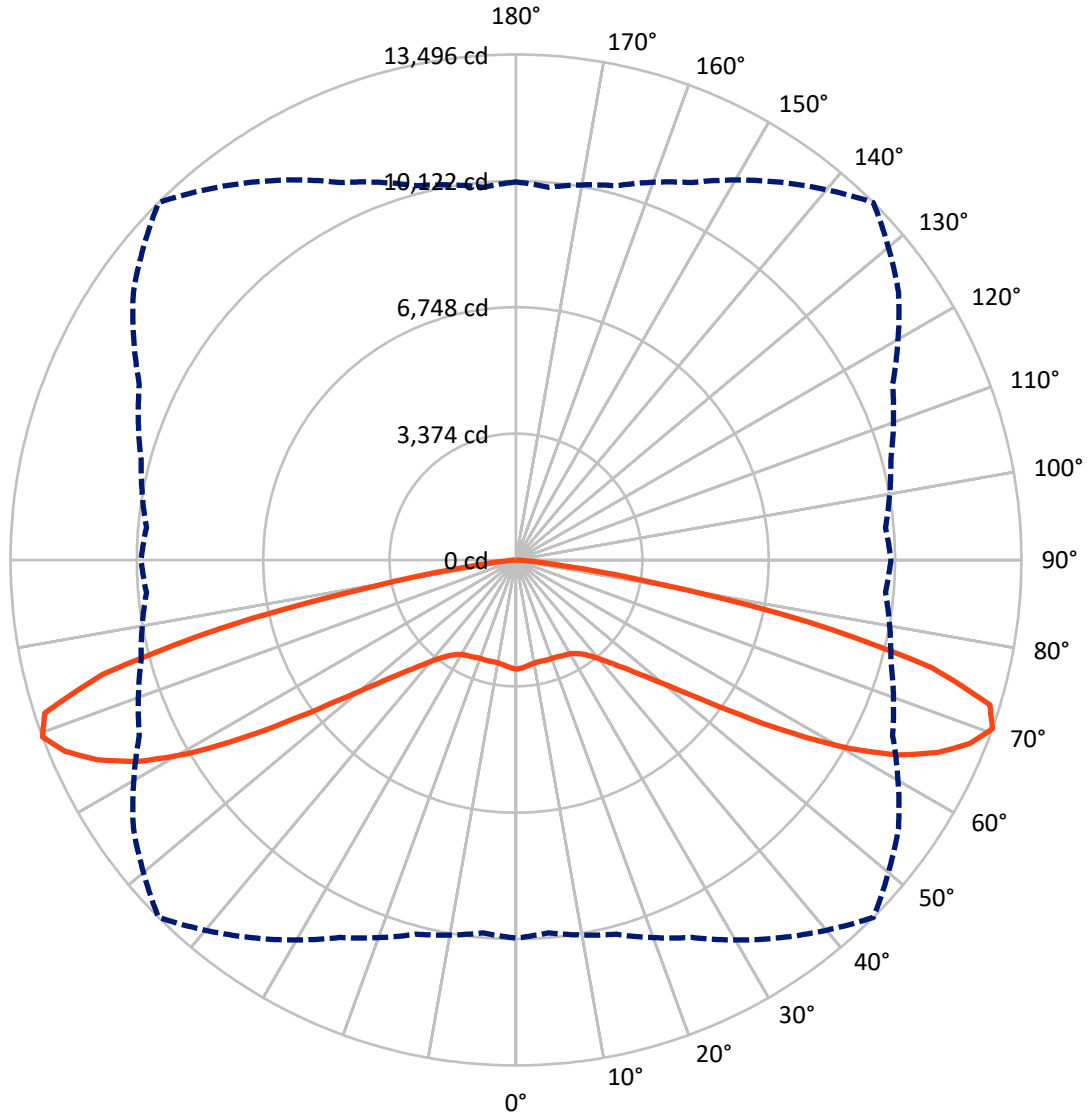
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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	15978.0	0.0	15978.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15978.0	0.0	15978.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	31956.0	0.0	31956.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.2	0.8
10°-20°	796.2	2.5
20°-30°	1325.0	4.1
30°-40°	2003.8	6.3
40°-50°	3329.9	10.4
50°-60°	6283.3	19.7
60°-70°	10609.7	33.2
70°-80°	6971.7	21.8
80°-90°	365.2	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°	31956.0	100.0
0°-180°	31956.0	100.0

Coefficient of Utilization



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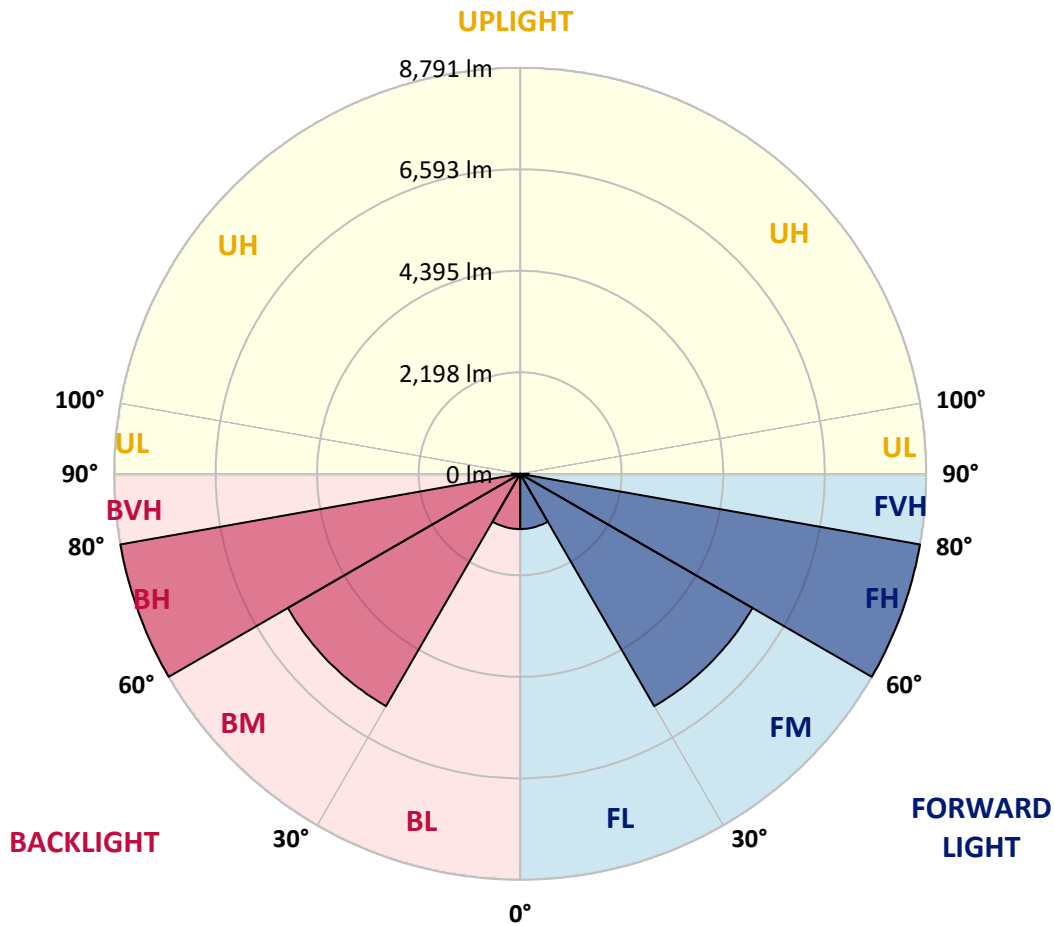
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1196.2	3.7			
FM (30°-60°)	5808.5	18.2			
FH (60°-80°)	8790.7	27.5			G4/12000
FVH (80°-90°)	182.6	0.6			G2/225
BL (0°-30°)	1196.2	3.7	B3/2500		
BM (30°-60°)	5808.5	18.2	B4/8500		
BH (60°-80°)	8790.7	27.5	B5		G4/12000
BVH (80°-90°)	182.6	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°	2915.0	2915.0	2915.0	2915.0	2915.0	2915.0	2915.0	2915.0	2915.0	2915.0
2.5°	2896.8	2905.1	2901.7	2895.1	2895.1	2890.1	2895.1	2898.4	2903.4	2906.7
5°	2858.6	2865.2	2863.5	2858.6	2860.2	2855.2	2858.6	2863.5	2866.9	2868.5
7.5°	2825.3	2832.0	2828.7	2820.4	2820.4	2815.4	2817.0	2822.0	2827.0	2828.7
10°	2817.0	2823.7	2813.7	2800.4	2795.4	2788.8	2790.5	2795.4	2805.4	2810.4
12.5°	2820.4	2825.3	2815.4	2795.4	2790.5	2783.8	2783.8	2788.8	2802.1	2808.7
15°	2830.3	2835.3	2820.4	2798.8	2793.8	2788.8	2787.1	2793.8	2808.7	2820.4
17.5°	2848.6	2853.6	2830.3	2800.4	2793.8	2795.4	2793.8	2798.8	2822.0	2843.6
20°	2865.2	2868.5	2837.0	2800.4	2793.8	2795.4	2793.8	2803.7	2833.6	2863.5
22.5°	2870.2	2873.5	2843.6	2812.0	2807.1	2808.7	2807.1	2817.0	2845.3	2875.2
25°	2871.8	2876.8	2853.6	2828.7	2837.0	2840.3	2837.0	2838.6	2860.2	2886.8
27.5°	2896.8	2903.4	2881.8	2860.2	2865.2	2863.5	2868.5	2873.5	2890.1	2916.7
30°	2948.3	2953.2	2935.0	2913.4	2910.0	2898.4	2913.4	2930.0	2948.3	2971.5
32.5°	3033.0	3042.9	3019.7	2996.4	2981.5	2974.8	2986.5	3014.7	3039.6	3064.5
35°	3174.1	3180.8	3159.2	3116.0	3089.4	3089.4	3099.4	3135.9	3175.8	3207.4
37.5°	3373.5	3381.8	3343.6	3292.1	3252.2	3252.2	3265.5	3303.7	3363.5	3408.3
40°	3616.0	3627.6	3579.4	3526.3	3488.1	3481.4	3498.0	3541.2	3597.7	3654.2
42.5°	3908.3	3921.6	3858.5	3812.0	3782.1	3782.1	3790.4	3830.2	3881.7	3951.5
45°	4282.0	4305.3	4218.9	4172.4	4144.2	4150.8	4155.8	4190.7	4237.2	4316.9
47.5°	4727.2	4750.4	4659.1	4610.9	4605.9	4637.5	4617.5	4642.5	4667.4	4758.7
50°	5232.1	5272.0	5208.9	5205.5	5215.5	5273.6	5227.1	5240.4	5212.2	5270.3
52.5°	5850.0	5908.1	5896.5	5916.4	6027.7	6147.3	6041.0	5994.5	5888.2	5906.5
55°	6599.1	6687.1	6703.7	6823.3	7075.8	7320.0	7094.1	6906.4	6680.5	6639.0
57.5°	7451.2	7520.9	7600.7	7844.8	8316.6	8750.1	8316.6	7901.3	7545.9	7461.1
60°	8368.0	8454.4	8530.8	8891.3	9592.2	10201.8	9578.9	8919.5	8449.4	8334.8
62.5°	9353.0	9464.3	9517.5	9917.7	10735.0	11462.5	10746.6	9947.6	9426.1	9303.2
65°	10298.1	10389.5	10449.3	10876.1	11656.8	12386.0	11710.0	10922.6	10386.1	10225.0
67.5°	10738.3	10788.1	10934.3	11417.6	12241.5	13073.6	12381.0	11469.1	10869.5	10587.1
70°	10093.8	9992.5	10344.6	11118.6	12311.2	13495.5	12470.7	11095.4	10361.2	9902.8
72.5°	7800.0	7625.6	8236.8	9560.6	11514.0	13226.4	11593.7	9635.4	8617.2	7687.0
75°	4243.8	4046.2	4889.9	6564.2	9181.9	11464.1	9392.9	6751.9	5444.7	4212.3
77.5°	1197.6	1122.8	1803.8	3175.8	5522.8	8049.1	5735.4	3245.6	2139.4	1269.0
80°	367.1	355.5	481.7	956.7	2345.3	3855.1	2254.0	968.4	612.9	387.0
82.5°	217.6	199.3	239.2	348.8	598.0	1210.9	581.3	363.8	292.3	196.0
85°	124.6	116.3	141.2	169.4	201.0	257.5	167.8	172.7	156.1	104.6
87.5°	51.5	46.5	54.8	53.2	46.5	59.8	44.8	53.2	63.1	41.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2915.0
2905.1
2868.5
2828.7
2810.4
2810.4
2822.0
2843.6
2865.2
2875.2
2885.1
2910.0
2966.5
3054.6
3195.7
3391.7
3635.9
3946.5
4313.6
4732.1
5235.4
5845.0
6574.2
7401.4
8235.2
9203.5
10145.3
10590.4
10012.4
7917.9
4486.3
1410.2
408.6
212.6
109.6
38.2
0.0

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