

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: P944440

Luminaire Tested: **GALN-SB9B-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944440
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-SB9B-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31579 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

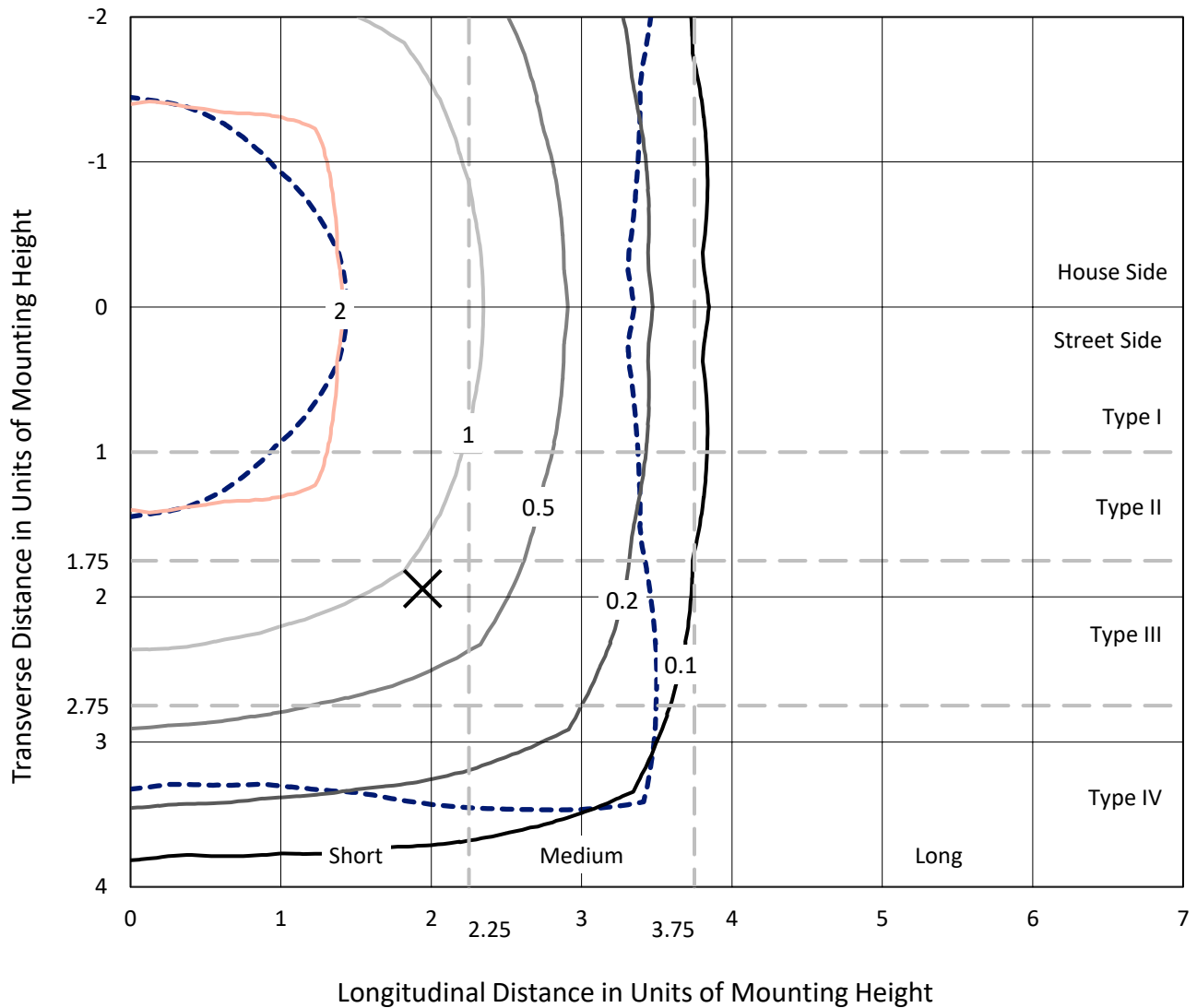
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

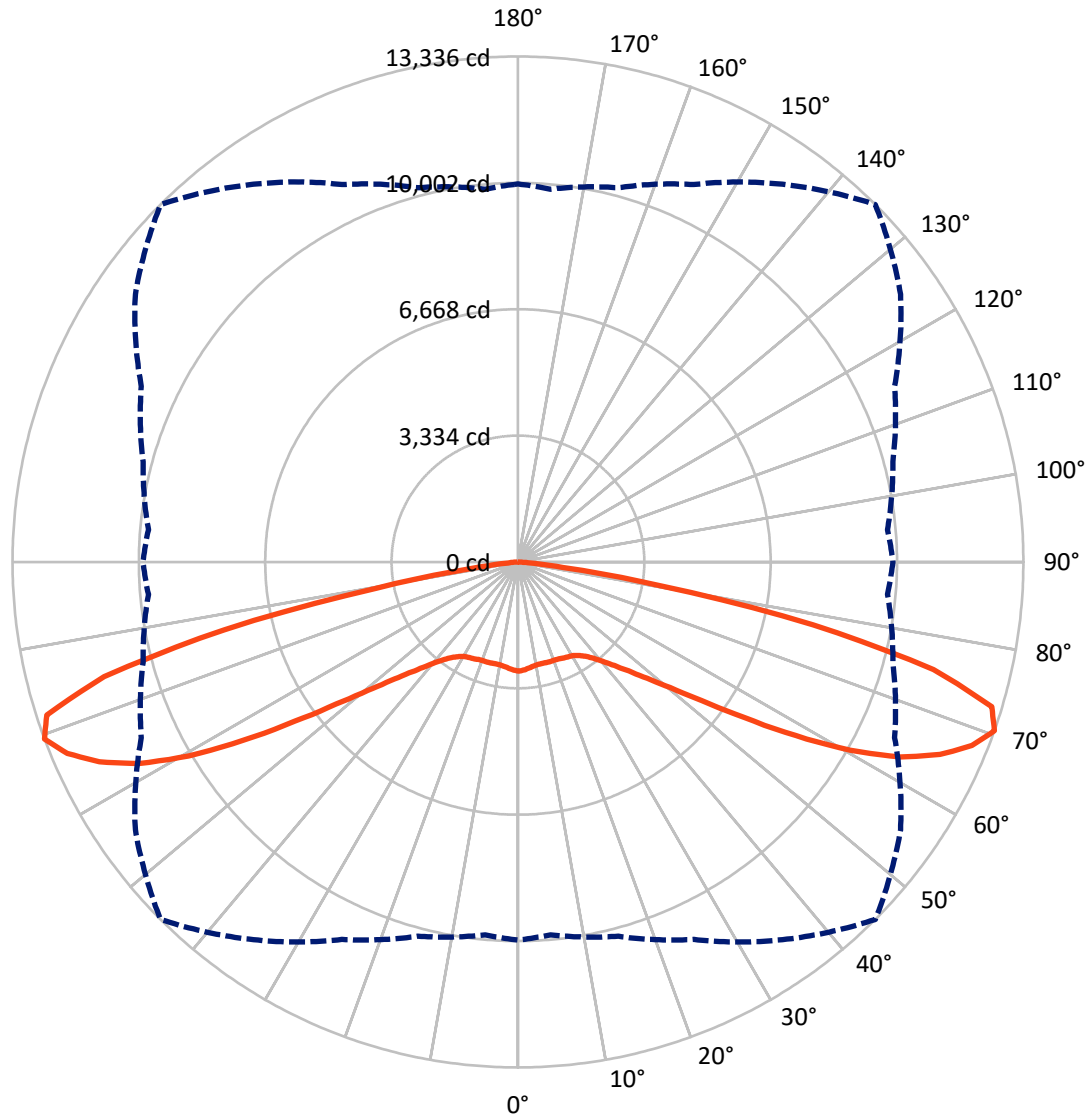
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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	15789.5	0.0	15789.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15789.5	0.0	15789.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31579.0	0.0	31579.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.0	0.8
10°-20°	786.8	2.5
20°-30°	1309.4	4.1
30°-40°	1980.2	6.3
40°-50°	3290.6	10.4
50°-60°	6209.2	19.7
60°-70°	10484.5	33.2
70°-80°	6889.4	21.8
80°-90°	360.9	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°	31579.0	100.0
0°-180°	31579.0	100.0

Coefficient of Utilization



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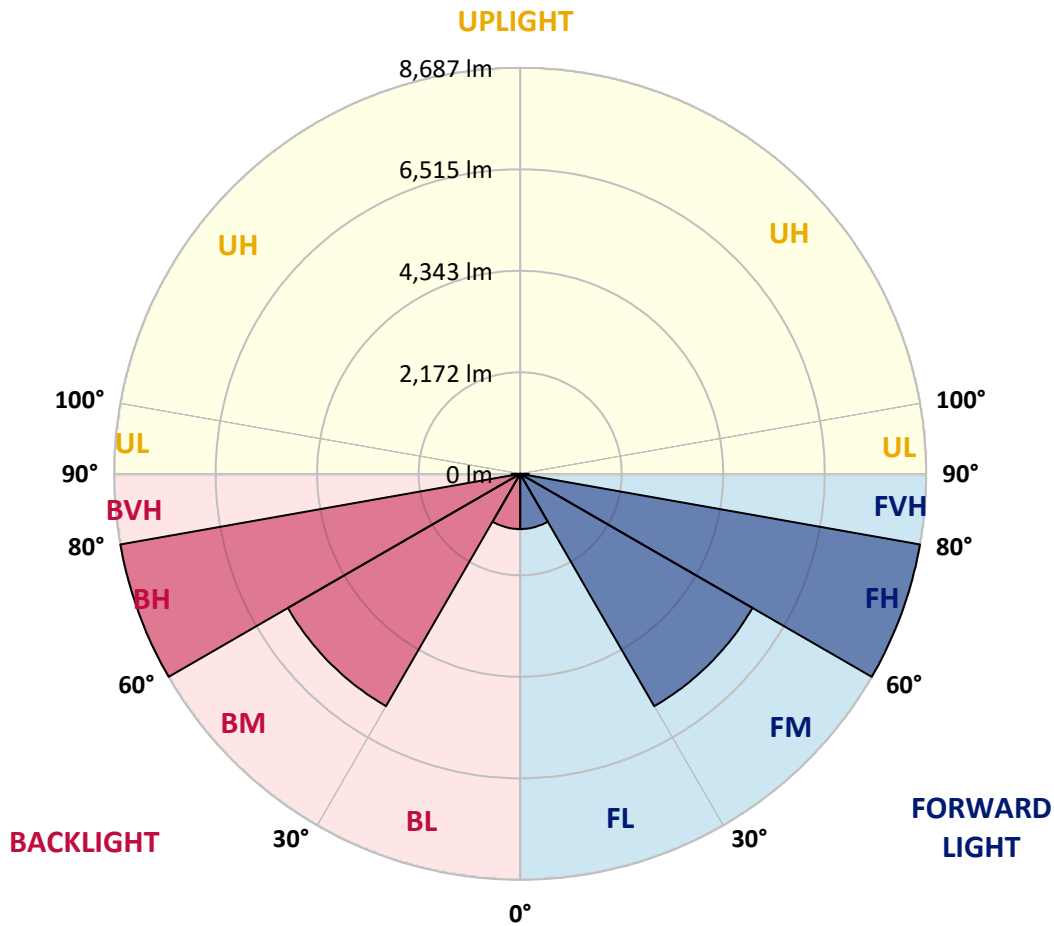
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1182.1	3.7			
FM (30°-60°)	5740.0	18.2			
FH (60°-80°)	8687.0	27.5			G4/12000
FVH (80°-90°)	180.5	0.6			G2/225
BL (0°-30°)	1182.1	3.7	B3/2500		
BM (30°-60°)	5740.0	18.2	B4/8500		
BH (60°-80°)	8687.0	27.5	B5		G4/12000
BVH (80°-90°)	180.5	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°	2880.6	2880.6	2880.6	2880.6	2880.6	2880.6	2880.6	2880.6	2880.6	2880.6
2.5°	2862.6	2870.8	2867.5	2860.9	2860.9	2856.0	2860.9	2864.2	2869.2	2872.4
5°	2824.8	2831.4	2829.8	2824.8	2826.5	2821.6	2824.8	2829.8	2833.0	2834.7
7.5°	2792.0	2798.6	2795.3	2787.1	2787.1	2782.2	2783.8	2788.7	2793.6	2795.3
10°	2783.8	2790.4	2780.5	2767.4	2762.5	2755.9	2757.5	2762.5	2772.3	2777.2
12.5°	2787.1	2792.0	2782.2	2762.5	2757.5	2751.0	2751.0	2755.9	2769.0	2775.6
15°	2796.9	2801.9	2787.1	2765.7	2760.8	2755.9	2754.3	2760.8	2775.6	2787.1
17.5°	2815.0	2819.9	2796.9	2767.4	2760.8	2762.5	2760.8	2765.7	2788.7	2810.1
20°	2831.4	2834.7	2803.5	2767.4	2760.8	2762.5	2760.8	2770.7	2800.2	2829.8
22.5°	2836.3	2839.6	2810.1	2778.9	2774.0	2775.6	2774.0	2783.8	2811.7	2841.2
25°	2838.0	2842.9	2819.9	2795.3	2803.5	2806.8	2803.5	2805.1	2826.5	2852.7
27.5°	2862.6	2869.2	2847.8	2826.5	2831.4	2829.8	2834.7	2839.6	2856.0	2882.3
30°	2913.5	2918.4	2900.3	2879.0	2875.7	2864.2	2879.0	2895.4	2913.5	2936.4
32.5°	2997.2	3007.0	2984.0	2961.1	2946.3	2939.7	2951.2	2979.1	3003.7	3028.4
35°	3136.7	3143.3	3121.9	3079.2	3053.0	3053.0	3062.8	3098.9	3138.3	3169.5
37.5°	3333.7	3341.9	3304.1	3253.2	3213.8	3213.8	3227.0	3264.7	3323.8	3368.1
40°	3573.3	3584.8	3537.2	3484.7	3446.9	3440.4	3456.8	3499.4	3555.3	3611.1
42.5°	3862.2	3875.3	3813.0	3767.0	3737.4	3737.4	3745.7	3785.0	3835.9	3904.9
45°	4231.5	4254.5	4169.1	4123.2	4095.3	4101.8	4106.8	4141.2	4187.2	4266.0
47.5°	4671.4	4694.4	4604.1	4556.5	4551.6	4582.8	4563.1	4587.7	4612.3	4702.6
50°	5170.4	5209.8	5147.4	5144.1	5154.0	5211.4	5165.5	5178.6	5150.7	5208.1
52.5°	5781.0	5838.4	5826.9	5846.6	5956.6	6074.8	5969.7	5923.8	5818.7	5836.8
55°	6521.2	6608.2	6624.7	6742.8	6992.3	7233.6	7010.4	6824.9	6601.7	6560.6
57.5°	7363.3	7432.2	7511.0	7752.3	8218.4	8646.8	8218.4	7808.1	7456.8	7373.1
60°	8269.3	8354.7	8430.2	8786.4	9479.0	10081.4	9465.9	8814.3	8349.8	8236.5
62.5°	9242.7	9352.6	9405.2	9800.7	10608.3	11327.2	10619.8	9830.3	9314.9	9193.4
65°	10176.6	10266.9	10326.0	10747.8	11519.3	12239.9	11571.8	10793.8	10263.6	10104.4
67.5°	10611.6	10660.8	10805.3	11282.9	12097.0	12919.4	12234.9	11333.8	10741.3	10462.2
70°	9974.7	9874.6	10222.6	10987.5	12166.0	13336.3	12323.6	10964.5	10239.0	9786.0
72.5°	7708.0	7535.6	8139.7	9447.8	11378.1	13070.4	11456.9	9521.7	8515.5	7596.4
75°	4193.8	3998.4	4832.3	6486.8	9073.6	11328.9	9282.1	6672.3	5380.5	4162.6
77.5°	1183.4	1109.6	1782.6	3138.3	5457.6	7954.2	5667.7	3207.3	2114.1	1254.0
80°	362.7	351.3	476.0	945.4	2317.6	3809.7	2227.4	956.9	605.7	382.4
82.5°	215.0	197.0	236.4	344.7	590.9	1196.6	574.5	359.5	288.9	193.7
85°	123.1	114.9	139.5	167.4	198.6	254.4	165.8	170.7	154.3	103.4
87.5°	50.9	46.0	54.2	52.5	46.0	59.1	44.3	52.5	62.4	41.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2880.6
2870.8
2834.7
2795.3
2777.2
2777.2
2788.7
2810.1
2831.4
2841.2
2851.1
2875.7
2931.5
3018.5
3158.0
3351.7
3593.0
3899.9
4262.7
4676.3
5173.7
5776.1
6496.6
7314.0
8138.0
9094.9
10025.6
10465.5
9894.3
7824.5
4433.4
1393.5
403.8
210.1
108.3
37.8
0.0

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