

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: P956590

Luminaire Tested: **GALN-SB9A-950-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956590
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9A-950-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29766 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

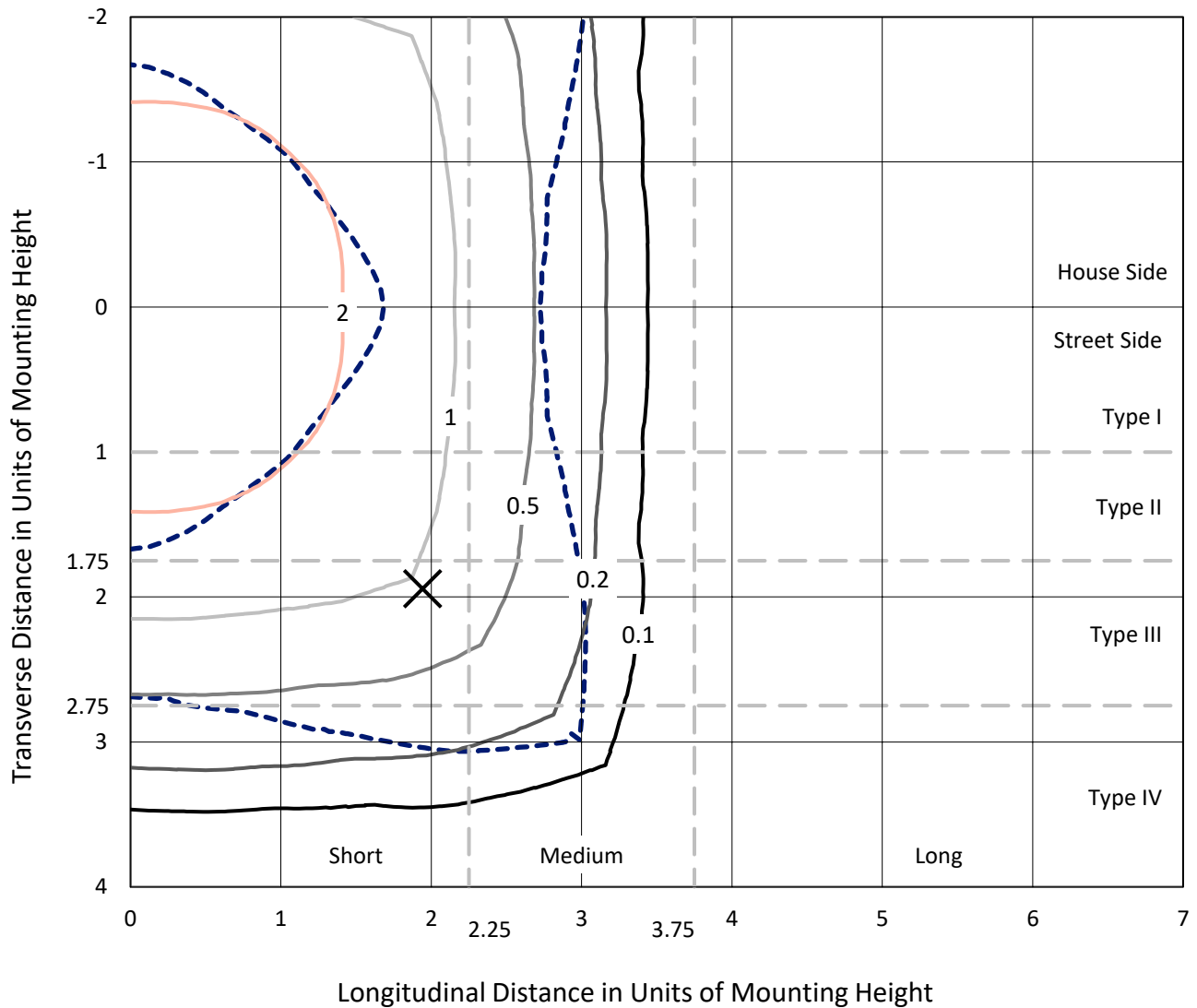
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

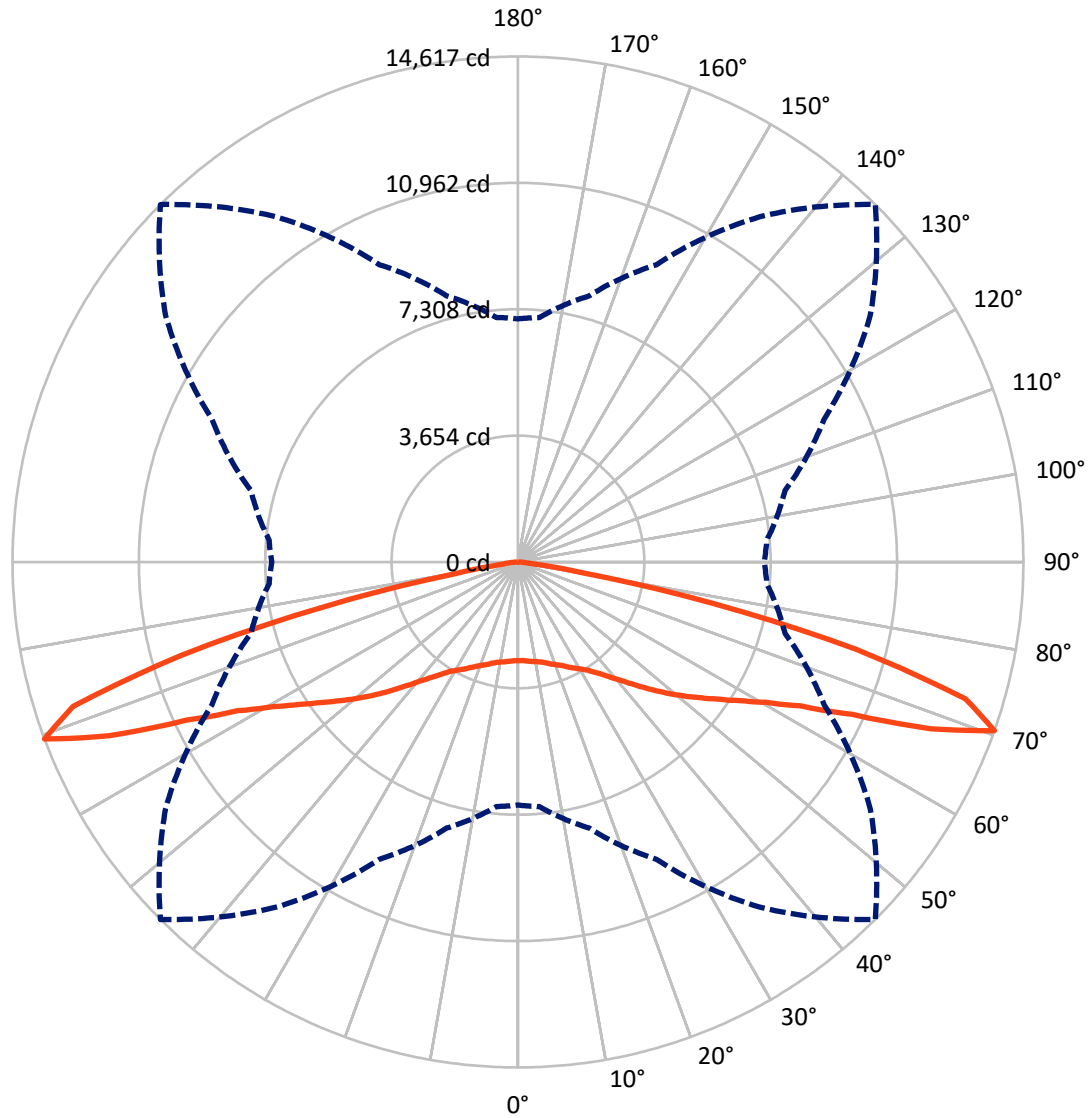
✕ Max cd
 - - - 1/2 Max cd



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	14883.0	0.0	14883.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14883.0	0.0	14883.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29766.0	0.0	29766.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.0	0.9
10°-20°	859.0	2.9
20°-30°	1535.0	5.2
30°-40°	2488.3	8.4
40°-50°	4053.0	13.6
50°-60°	6179.5	20.8
60°-70°	9193.1	30.9
70°-80°	5010.5	16.8
80°-90°	170.6	0.6
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°	29766.0	100.0
0°-180°	29766.0	100.0



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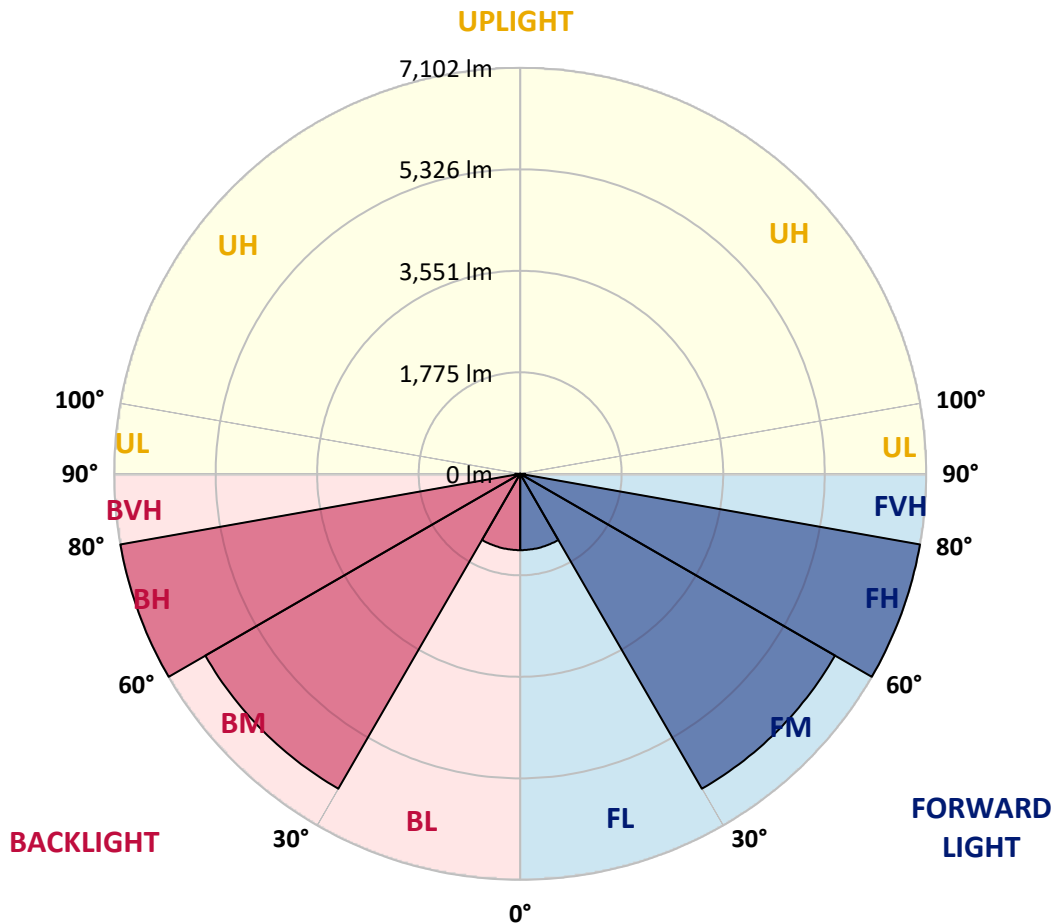
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1335.5	4.5			
FM (30°-60°)	6360.4	21.4			
FH (60°-80°)	7101.8	23.9			G3/7500
FVH (80°-90°)	85.3	0.3			G1/100
BL (0°-30°)	1335.5	4.5	B3/2500		
BM (30°-60°)	6360.4	21.4	B4/8500		
BH (60°-80°)	7101.8	23.9	B5		G3/7500
BVH (80°-90°)	85.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2851.3	2851.3	2851.3	2851.3	2851.3	2851.3	2851.3	2851.3	2851.3	2851.3
2.5°	2864.7	2867.7	2861.7	2858.7	2855.8	2851.3	2852.8	2860.2	2866.2	2864.7
5°	2888.6	2891.6	2887.1	2885.6	2879.7	2878.2	2878.2	2885.6	2890.1	2887.1
7.5°	2915.5	2920.0	2912.5	2911.0	2908.1	2905.1	2903.6	2911.0	2915.5	2915.5
10°	2940.9	2945.4	2939.4	2935.0	2932.0	2932.0	2929.0	2935.0	2942.4	2940.9
12.5°	2967.8	2970.8	2964.8	2961.9	2961.9	2966.3	2961.9	2964.8	2970.8	2967.8
15°	3000.7	3002.2	3000.7	3005.2	3012.7	3027.6	3014.2	3011.2	3014.2	3006.7
17.5°	3045.5	3048.5	3054.5	3065.0	3075.4	3102.3	3078.4	3070.9	3070.9	3056.0
20°	3100.8	3105.3	3114.3	3132.2	3145.7	3171.1	3147.2	3136.7	3132.2	3112.8
22.5°	3159.1	3166.6	3180.0	3203.9	3227.9	3251.8	3227.9	3209.9	3196.5	3171.1
25°	3226.4	3235.3	3256.3	3295.1	3328.0	3362.4	3334.0	3298.1	3271.2	3235.3
27.5°	3322.0	3332.5	3357.9	3405.7	3447.5	3477.4	3450.5	3404.2	3366.8	3323.5
30°	3456.5	3467.0	3496.8	3547.7	3576.0	3595.5	3577.5	3541.7	3496.8	3447.5
32.5°	3629.8	3643.3	3676.2	3724.0	3730.0	3733.0	3727.0	3709.0	3676.2	3616.4
35°	3849.5	3864.5	3901.8	3940.7	3934.7	3940.7	3931.7	3925.7	3901.8	3833.1
37.5°	4118.5	4136.4	4175.3	4205.2	4190.2	4182.8	4184.3	4185.8	4172.3	4096.1
40°	4430.8	4454.7	4483.1	4514.5	4489.1	4466.7	4481.6	4493.6	4481.6	4403.9
42.5°	4752.1	4786.5	4816.4	4861.2	4840.3	4811.9	4832.8	4846.3	4820.9	4737.2
45°	5109.3	5142.2	5181.0	5248.3	5233.3	5203.4	5233.3	5236.3	5193.0	5094.3
47.5°	5478.4	5512.8	5571.0	5660.7	5654.7	5621.9	5660.7	5639.8	5584.5	5466.4
50°	5828.1	5875.9	5965.6	6091.1	6103.0	6062.7	6115.0	6074.6	5982.0	5834.1
52.5°	6156.8	6207.6	6349.6	6520.0	6563.3	6511.0	6581.2	6511.0	6372.0	6182.2
55°	6502.0	6558.8	6727.7	6950.4	7037.0	6998.2	7063.9	6957.8	6760.6	6530.4
57.5°	6908.5	6942.9	7144.6	7409.1	7555.6	7564.5	7594.4	7415.1	7176.0	6914.5
60°	7349.4	7397.2	7616.8	7933.7	8165.3	8240.0	8208.6	7942.6	7664.7	7364.3
62.5°	7914.2	7966.5	8229.5	8609.1	8975.2	9160.5	9038.0	8652.5	8308.7	7948.6
65°	8382.0	8440.3	8915.5	9592.4	10258.9	10631.0	10323.2	9613.3	8994.7	8486.6
67.5°	8042.7	8114.5	8860.2	10103.5	11760.8	12871.1	11817.5	10255.9	9044.0	8355.1
70°	7029.6	7096.8	7966.5	9486.3	12183.7	14616.5	12437.7	9765.8	7994.9	7223.8
72.5°	4666.9	4883.6	5763.8	7587.0	10879.1	13525.6	10986.7	7433.0	5346.9	4656.5
75°	1548.2	1721.5	2322.3	3933.2	7286.6	10115.5	6936.9	3480.4	1839.6	1324.0
77.5°	390.0	449.8	620.2	1125.3	2906.6	5759.3	2616.7	919.0	500.6	349.7
80°	189.8	209.2	298.9	375.1	727.8	1830.6	682.9	352.7	236.1	182.3
82.5°	104.6	106.1	168.9	212.2	270.5	473.7	280.9	206.2	136.0	110.6
85°	64.3	62.8	89.7	113.6	113.6	168.9	134.5	113.6	77.7	68.7
87.5°	25.4	25.4	32.9	35.9	31.4	43.3	34.4	37.4	29.9	28.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2851.3
2866.2
2888.6
2915.5
2940.9
2966.3
3006.7
3056.0
3112.8
3169.6
3233.8
3322.0
3447.5
3617.9
3833.1
4096.1
4403.9
4743.2
5104.8
5459.0
5831.1
6164.3
6499.1
6878.6
7316.5
7885.8
8402.9
8252.0
7120.7
4505.6
1252.3
312.3
167.4
110.6
71.7
29.9
0.0

OF REPORT)