

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: P950647

Luminaire Tested: **GALN-SB5A-750-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950647
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-SB5A-750-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 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: 25106 lumens
Efficiency: N/A
Efficacy: 177.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

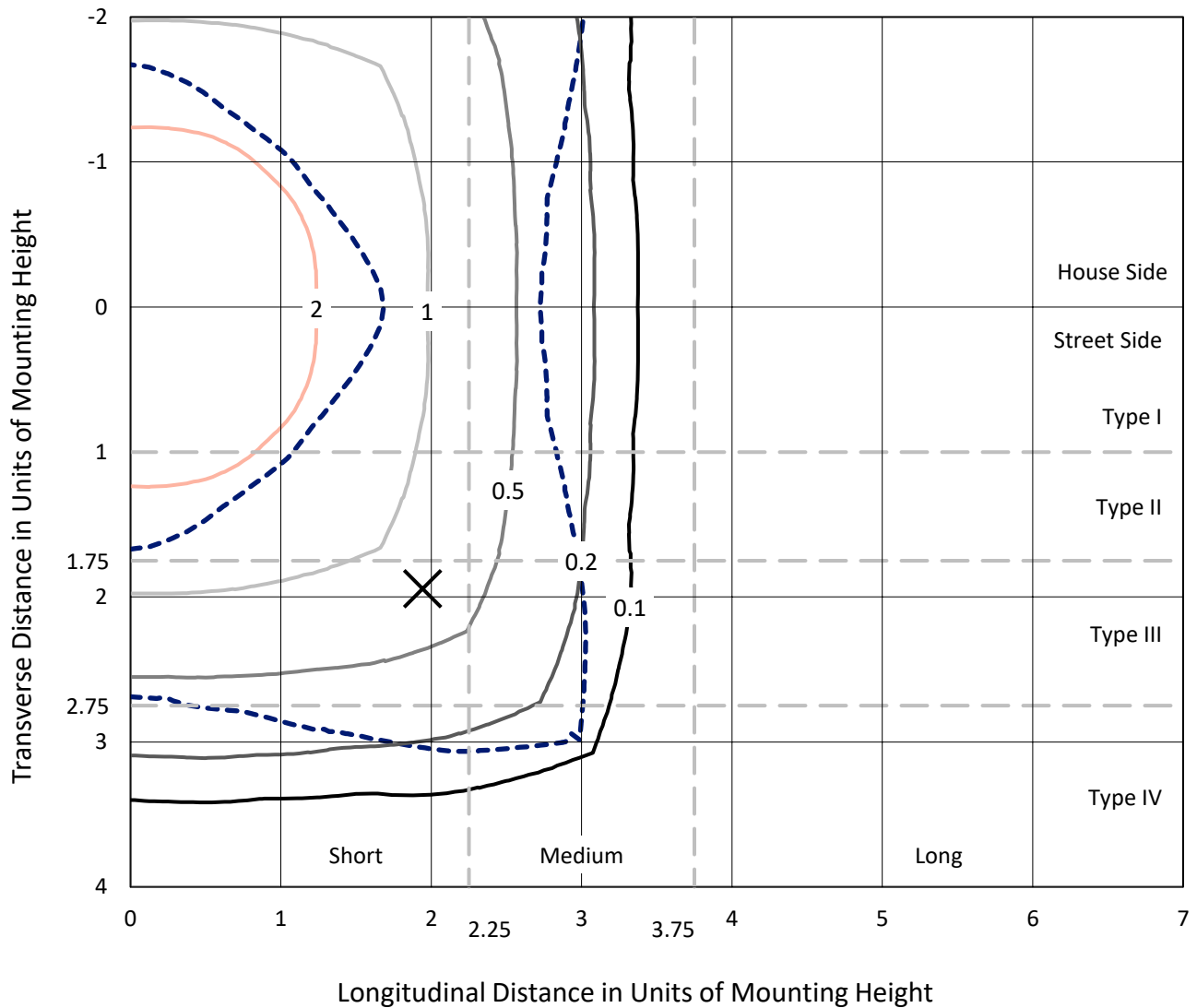
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

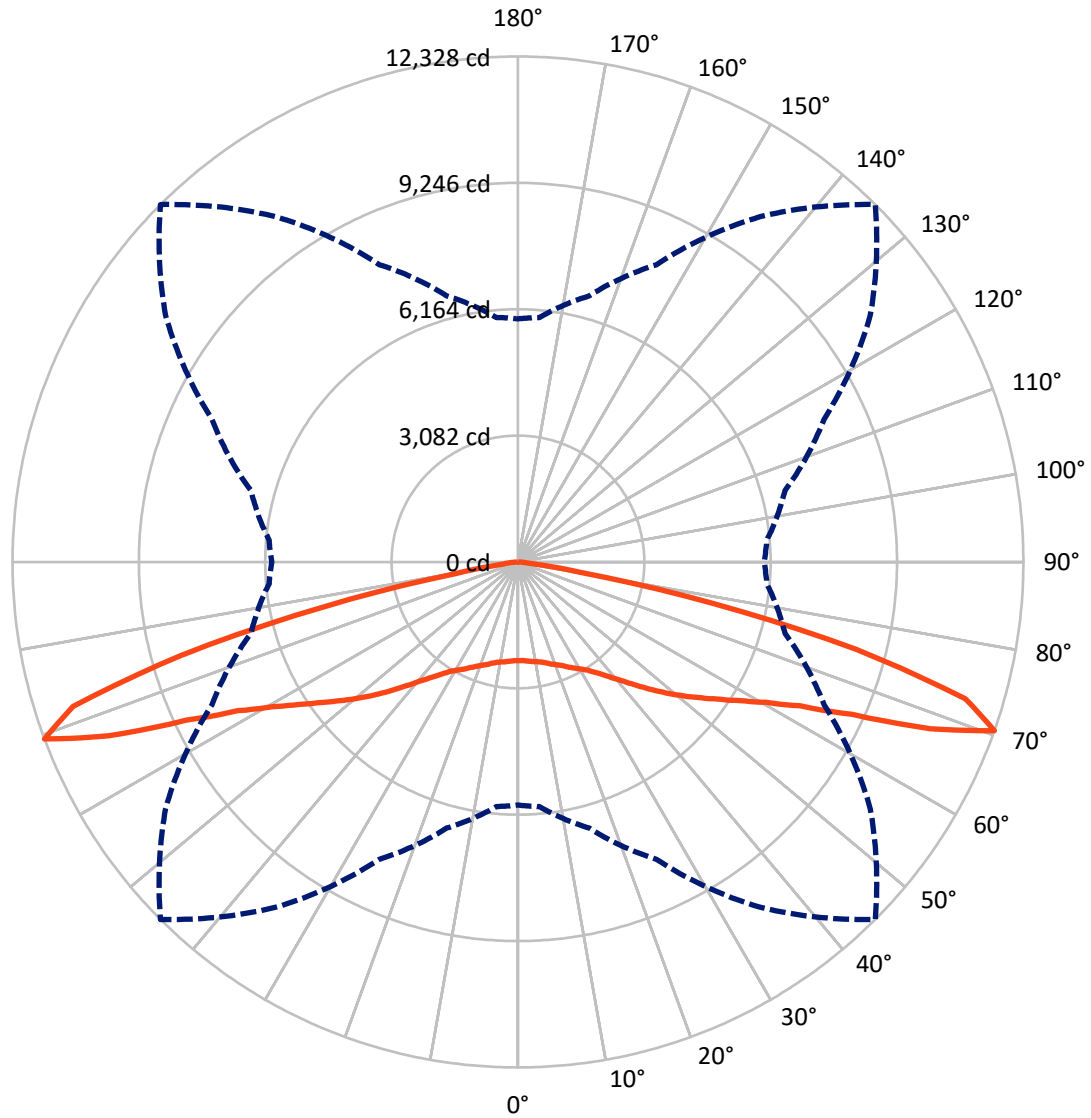
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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	12553.0	0.0	12553.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12553.0	0.0	12553.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25106.0	0.0	25106.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.6	0.9
10°-20°	724.5	2.9
20°-30°	1294.7	5.2
30°-40°	2098.7	8.4
40°-50°	3418.5	13.6
50°-60°	5212.0	20.8
60°-70°	7753.9	30.9
70°-80°	4226.1	16.8
80°-90°	143.9	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°	25106.0	100.0
0°-180°	25106.0	100.0

Coefficient of Utilization



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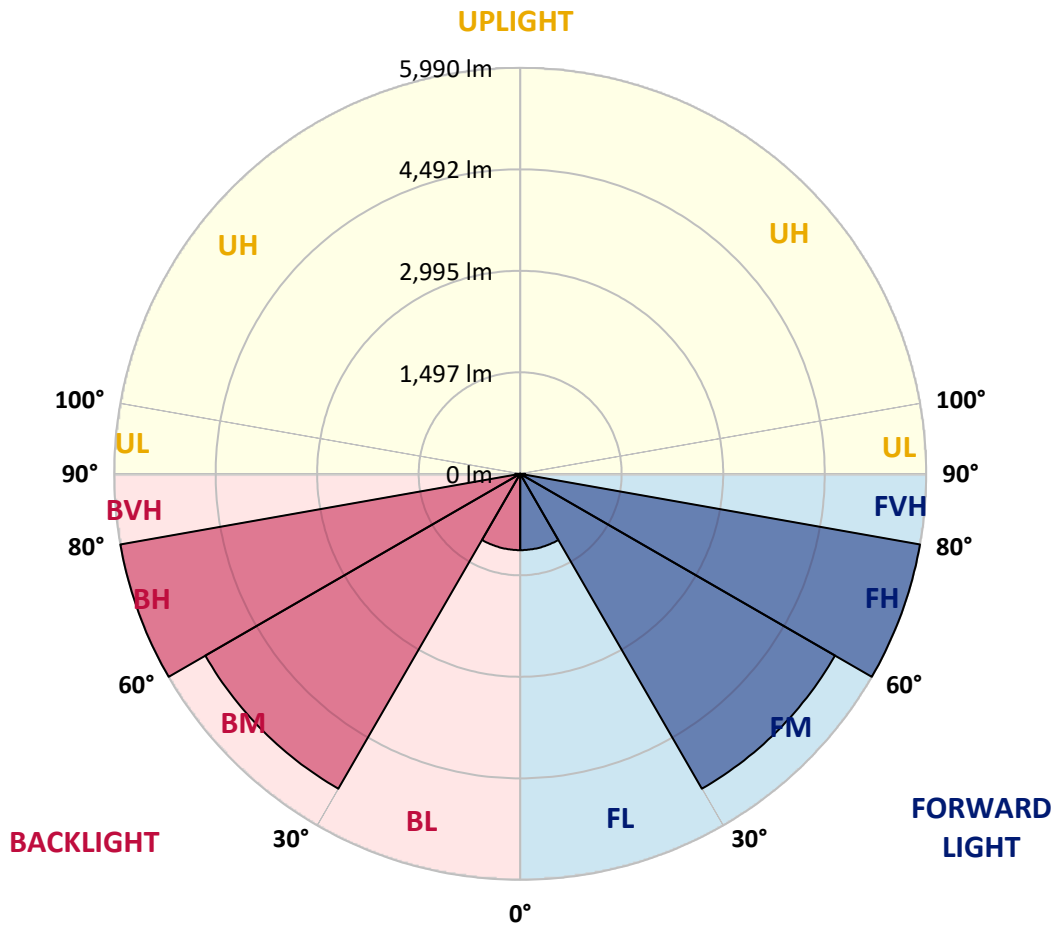
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1126.4	4.5			
FM (30°-60°)	5364.6	21.4			
FH (60°-80°)	5990.0	23.9			G3/7500
FVH (80°-90°)	72.0	0.3			G1/100
BL (0°-30°)	1126.4	4.5	B3/2500		
BM (30°-60°)	5364.6	21.4	B4/8500		
BH (60°-80°)	5990.0	23.9	B5		G3/7500
BVH (80°-90°)	72.0	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°	2404.9	2404.9	2404.9	2404.9	2404.9	2404.9	2404.9	2404.9	2404.9	2404.9
2.5°	2416.2	2418.8	2413.7	2411.2	2408.7	2404.9	2406.2	2412.5	2417.5	2416.2
5°	2436.4	2438.9	2435.1	2433.9	2428.8	2427.6	2427.6	2433.9	2437.7	2435.1
7.5°	2459.1	2462.9	2456.6	2455.3	2452.8	2450.3	2449.0	2455.3	2459.1	2459.1
10°	2480.5	2484.3	2479.3	2475.5	2473.0	2473.0	2470.4	2475.5	2481.8	2480.5
12.5°	2503.2	2505.7	2500.7	2498.2	2498.2	2501.9	2498.2	2500.7	2505.7	2503.2
15°	2530.9	2532.2	2530.9	2534.7	2541.0	2553.6	2542.3	2539.8	2542.3	2536.0
17.5°	2568.8	2571.3	2576.3	2585.1	2594.0	2616.6	2596.5	2590.2	2590.2	2577.6
20°	2615.4	2619.2	2626.7	2641.9	2653.2	2674.6	2654.5	2645.6	2641.9	2625.5
22.5°	2664.5	2670.8	2682.2	2702.4	2722.5	2742.7	2722.5	2707.4	2696.1	2674.6
25°	2721.3	2728.8	2746.5	2779.2	2807.0	2836.0	2812.0	2781.8	2759.1	2728.8
27.5°	2801.9	2810.8	2832.2	2872.5	2907.8	2933.0	2910.3	2871.3	2839.7	2803.2
30°	2915.4	2924.2	2949.4	2992.3	3016.2	3032.6	3017.5	2987.2	2949.4	2907.8
32.5°	3061.6	3072.9	3100.7	3141.0	3146.0	3148.5	3143.5	3128.4	3100.7	3050.2
35°	3246.9	3259.5	3291.0	3323.7	3318.7	3323.7	3316.2	3311.1	3291.0	3233.0
37.5°	3473.7	3488.9	3521.6	3546.8	3534.2	3527.9	3529.2	3530.5	3519.1	3454.8
40°	3737.2	3757.3	3781.3	3807.8	3786.3	3767.4	3780.0	3790.1	3780.0	3714.5
42.5°	4008.2	4037.1	4062.4	4100.2	4082.5	4058.6	4076.2	4087.6	4066.1	3995.6
45°	4309.4	4337.1	4369.9	4426.6	4414.0	4388.8	4414.0	4416.5	4380.0	4296.8
47.5°	4620.7	4649.7	4698.9	4774.5	4769.5	4741.7	4774.5	4756.9	4710.2	4610.6
50°	4915.7	4956.0	5031.6	5137.5	5147.6	5113.6	5157.7	5123.6	5045.5	4920.7
52.5°	5193.0	5235.8	5355.6	5499.2	5535.8	5491.7	5550.9	5491.7	5374.5	5214.4
55°	5484.1	5532.0	5674.4	5862.2	5935.4	5902.6	5958.0	5868.5	5702.2	5508.1
57.5°	5827.0	5855.9	6026.1	6249.2	6372.7	6380.3	6405.5	6254.2	6052.6	5832.0
60°	6198.8	6239.1	6424.4	6691.6	6887.0	6950.0	6923.5	6699.2	6464.7	6211.4
62.5°	6675.2	6719.3	6941.2	7261.3	7570.1	7726.4	7623.1	7297.9	7008.0	6704.2
65°	7069.7	7118.9	7519.7	8090.7	8652.8	8966.7	8707.0	8108.3	7586.5	7158.0
67.5°	6783.6	6844.1	7473.1	8521.7	9919.6	10856.1	9967.5	8650.3	7628.1	7047.0
70°	5929.0	5985.8	6719.3	8001.2	10276.3	12328.2	10490.5	8236.9	6743.3	6092.9
72.5°	3936.3	4119.1	4861.5	6399.2	9175.9	11408.1	9266.7	6269.4	4509.8	3927.5
75°	1305.8	1452.0	1958.7	3317.4	6145.8	8531.8	5850.9	2935.5	1551.6	1116.7
77.5°	329.0	379.4	523.1	949.1	2451.5	4857.7	2207.0	775.2	422.2	294.9
80°	160.1	176.5	252.1	316.4	613.8	1544.0	576.0	297.5	199.1	153.8
82.5°	88.2	89.5	142.4	179.0	228.1	399.6	237.0	173.9	114.7	93.3
85°	54.2	52.9	75.6	95.8	95.8	142.4	113.4	95.8	65.5	58.0
87.5°	21.4	21.4	27.7	30.3	26.5	36.6	29.0	31.5	25.2	23.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2404.9
2417.5
2436.4
2459.1
2480.5
2501.9
2536.0
2577.6
2625.5
2673.4
2727.6
2801.9
2907.8
3051.5
3233.0
3454.8
3714.5
4000.6
4305.6
4604.3
4918.2
5199.3
5481.6
5801.7
6171.1
6651.3
7087.4
6960.1
6005.9
3800.2
1056.2
263.4
141.2
93.3
60.5
25.2
0.0

OF REPORT)