

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: P950651

Luminaire Tested: **GALN-SB5A-750-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950651
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
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-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24686 lumens
Efficiency: N/A
Efficacy: 174.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

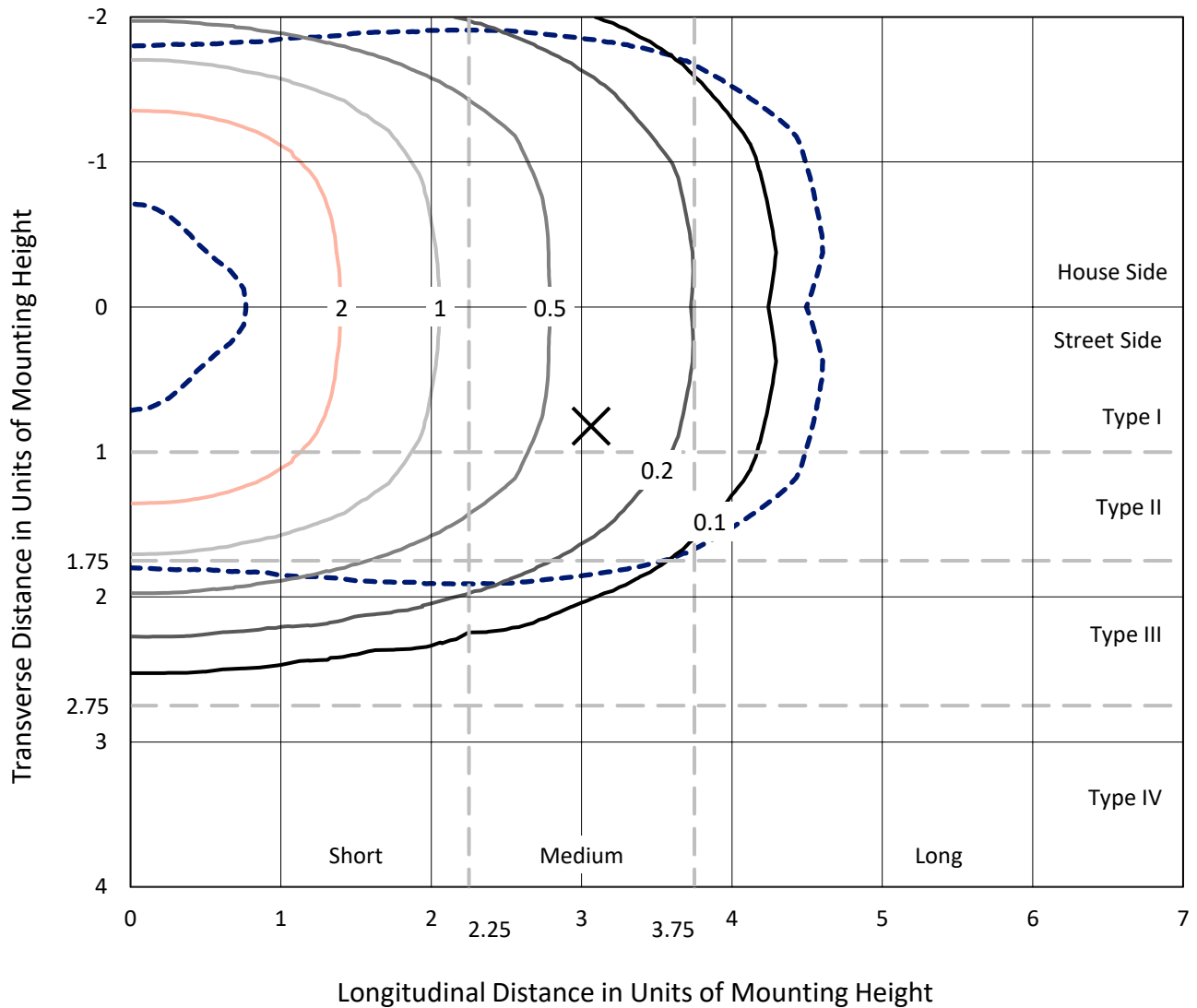
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

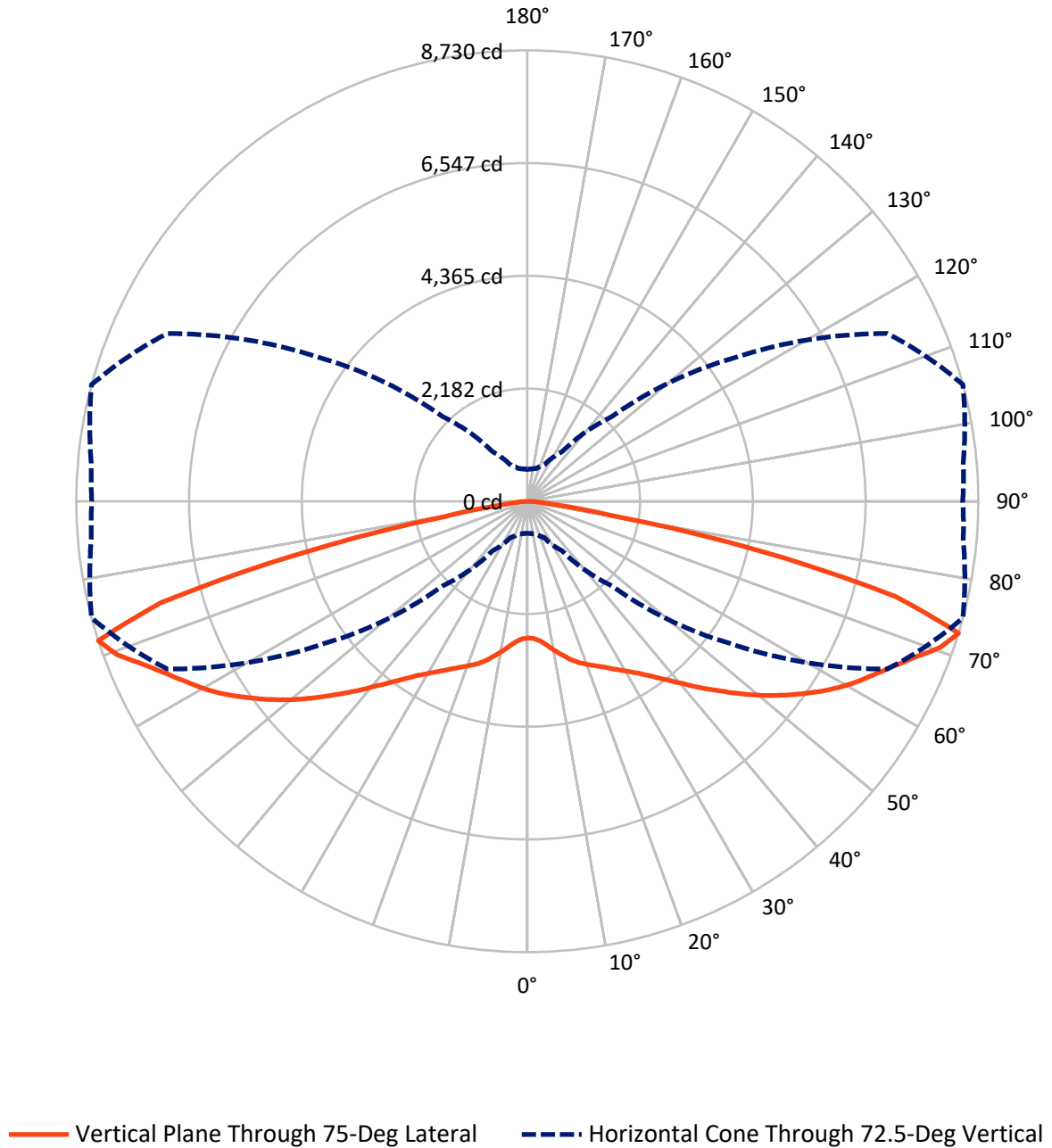
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12343.0	0.0	12343.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12343.0	0.0	12343.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24686.0	0.0	24686.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.0	1.0
10°-20°	854.3	3.5
20°-30°	1650.8	6.7
30°-40°	2787.5	11.3
40°-50°	4420.7	17.9
50°-60°	5918.8	24.0
60°-70°	5632.8	22.8
70°-80°	2939.3	11.9
80°-90°	222.5	0.9
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°	24686.0	100.0
0°-180°	24686.0	100.0

Coefficient of Utilization



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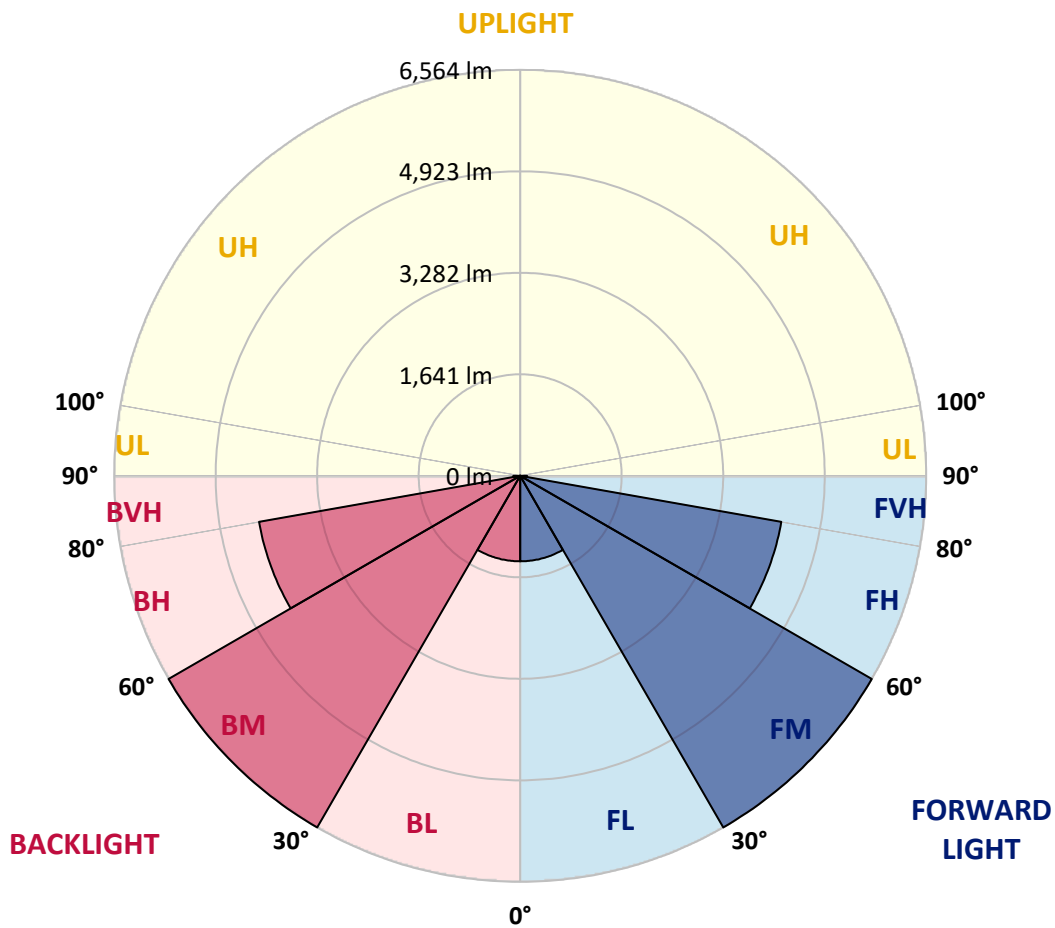
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1382.1	5.6			
FM (30°-60°)	6563.6	26.6			
FH (60°-80°)	4286.1	17.4			G2/5000
FVH (80°-90°)	111.2	0.5			G2/225
BL (0°-30°)	1382.1	5.6	B3/2500		
BM (30°-60°)	6563.6	26.6	B4/8500		
BH (60°-80°)	4286.1	17.4	B4/5000		G4/5000
BVH (80°-90°)	111.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2644.3	2644.3	2644.3	2644.3	2644.3	2644.3	2644.3	2644.3	2644.3	2644.3
2.5°	2644.3	2641.8	2644.3	2646.8	2645.6	2645.6	2651.9	2655.7	2663.2	2662.0
5°	2626.7	2625.4	2635.5	2646.8	2655.7	2670.8	2689.7	2703.6	2721.2	2725.0
7.5°	2617.8	2614.1	2631.7	2651.9	2679.6	2717.4	2754.0	2791.8	2822.0	2832.1
10°	2624.1	2625.4	2649.4	2687.2	2731.3	2784.2	2835.9	2900.2	2943.0	2953.1
12.5°	2653.1	2650.6	2690.9	2751.4	2811.9	2878.7	2939.2	3009.8	3056.5	3080.4
15°	2706.1	2701.0	2757.7	2847.2	2935.5	3013.6	3062.8	3129.6	3183.8	3214.0
17.5°	2769.1	2771.6	2846.0	2961.9	3077.9	3166.1	3212.8	3246.8	3288.4	3314.8
20°	2880.0	2885.0	2968.2	3105.6	3238.0	3338.8	3376.6	3364.0	3375.3	3395.5
22.5°	3028.7	3031.3	3124.5	3273.3	3411.9	3522.8	3548.0	3496.3	3464.8	3478.7
25°	3201.4	3217.8	3311.1	3463.6	3606.0	3711.9	3723.2	3645.1	3566.9	3570.7
27.5°	3411.9	3427.0	3521.5	3672.8	3817.7	3909.8	3908.5	3803.9	3689.2	3660.2
30°	3640.0	3656.4	3753.5	3909.8	4044.6	4125.3	4107.6	3982.9	3819.0	3764.8
32.5°	3911.0	3921.1	4019.4	4175.7	4300.5	4364.8	4328.2	4174.4	3970.2	3908.5
35°	4238.7	4253.8	4326.9	4474.4	4584.1	4637.0	4575.2	4393.7	4164.4	4095.0
37.5°	4613.1	4603.0	4686.2	4817.2	4908.0	4940.8	4856.3	4640.8	4386.2	4304.3
40°	5003.8	4998.7	5089.5	5215.5	5264.7	5284.8	5160.1	4924.4	4642.0	4553.8
42.5°	5357.9	5354.2	5476.4	5616.3	5675.6	5652.9	5495.3	5225.6	4938.2	4837.4
45°	5641.5	5636.5	5786.5	5983.1	6099.1	6061.2	5849.5	5558.3	5238.2	5133.6
47.5°	5859.6	5862.1	6023.4	6266.7	6469.6	6483.5	6211.2	5897.4	5568.4	5450.0
50°	6017.1	6024.7	6197.4	6467.1	6744.4	6866.6	6580.5	6245.3	5910.0	5776.4
52.5°	6056.2	6070.1	6278.0	6594.4	6920.8	7154.0	6956.1	6579.3	6233.9	6106.6
55°	5848.2	5876.0	6139.4	6584.3	7029.2	7343.1	7286.4	6918.3	6560.4	6429.3
57.5°	5370.6	5409.6	5717.2	6298.2	7005.3	7472.9	7542.2	7243.5	6886.8	6760.8
60°	4701.3	4747.9	5042.8	5676.8	6667.5	7520.8	7722.5	7559.9	7186.8	7064.5
62.5°	3691.7	3752.2	4105.1	4848.7	5954.1	7297.7	7876.2	7846.0	7456.5	7304.0
65°	2368.3	2432.6	2804.4	3682.9	5002.5	6614.6	7924.1	8124.5	7741.4	7528.4
67.5°	1428.0	1457.0	1641.0	2232.2	3656.4	5584.8	7518.3	8433.3	8074.1	7809.4
70°	913.8	930.2	1039.8	1310.8	2067.1	4074.9	6512.5	8491.3	8477.4	8098.0
72.5°	620.1	625.2	654.1	776.4	1169.6	2315.3	4803.4	7687.2	8729.5	8469.9
75°	453.7	481.5	528.1	549.5	664.2	1157.0	2752.7	5400.8	7356.9	7470.4
77.5°	337.8	339.0	403.3	428.5	473.9	616.3	1164.6	3014.9	4567.7	4795.8
80°	286.1	271.0	269.7	345.3	356.7	384.4	520.5	1041.1	1636.0	991.9
82.5°	238.2	221.8	200.4	269.7	243.3	235.7	225.6	423.5	520.5	255.9
85°	166.4	158.8	151.2	176.5	138.6	118.5	108.4	197.9	219.3	108.4
87.5°	71.8	74.4	75.6	78.1	58.0	41.6	41.6	55.5	55.5	42.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2644.3
2660.7
2725.0
2834.6
2963.2
3090.5
3225.4
3327.4
3410.6
3488.8
3577.0
3669.0
3771.1
3923.6
4105.1
4319.4
4582.8
4862.6
5157.5
5485.2
5816.7
6139.4
6465.8
6789.8
7091.0
7321.6
7554.8
7829.6
8095.5
8429.5
7195.6
4277.8
749.9
218.0
95.8
31.5
0.0

OF REPORT)