

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: P941483

Luminaire Tested: **GALN-SB5A-750-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
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-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23716 lumens
Efficiency: N/A
Efficacy: 167.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

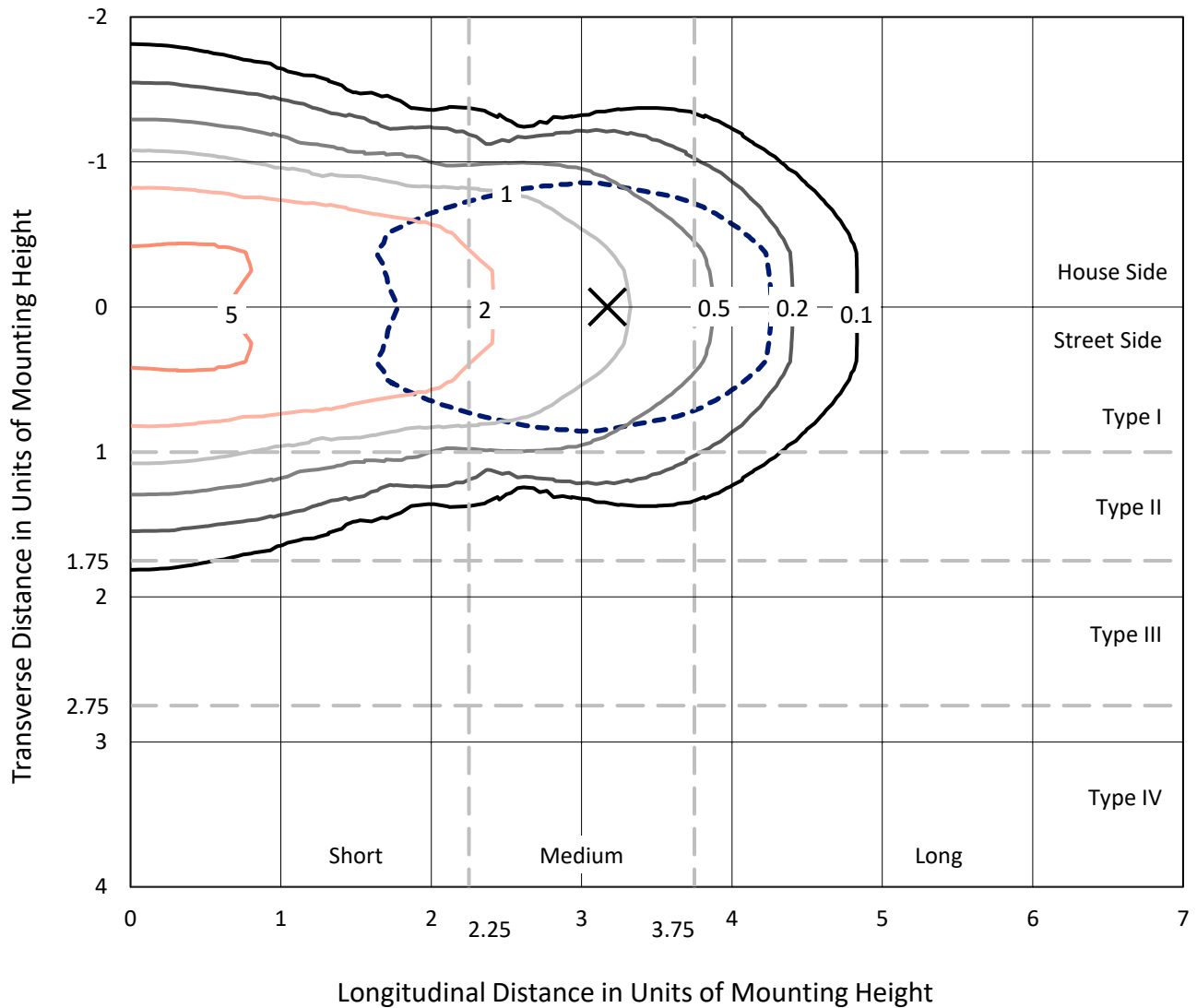
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

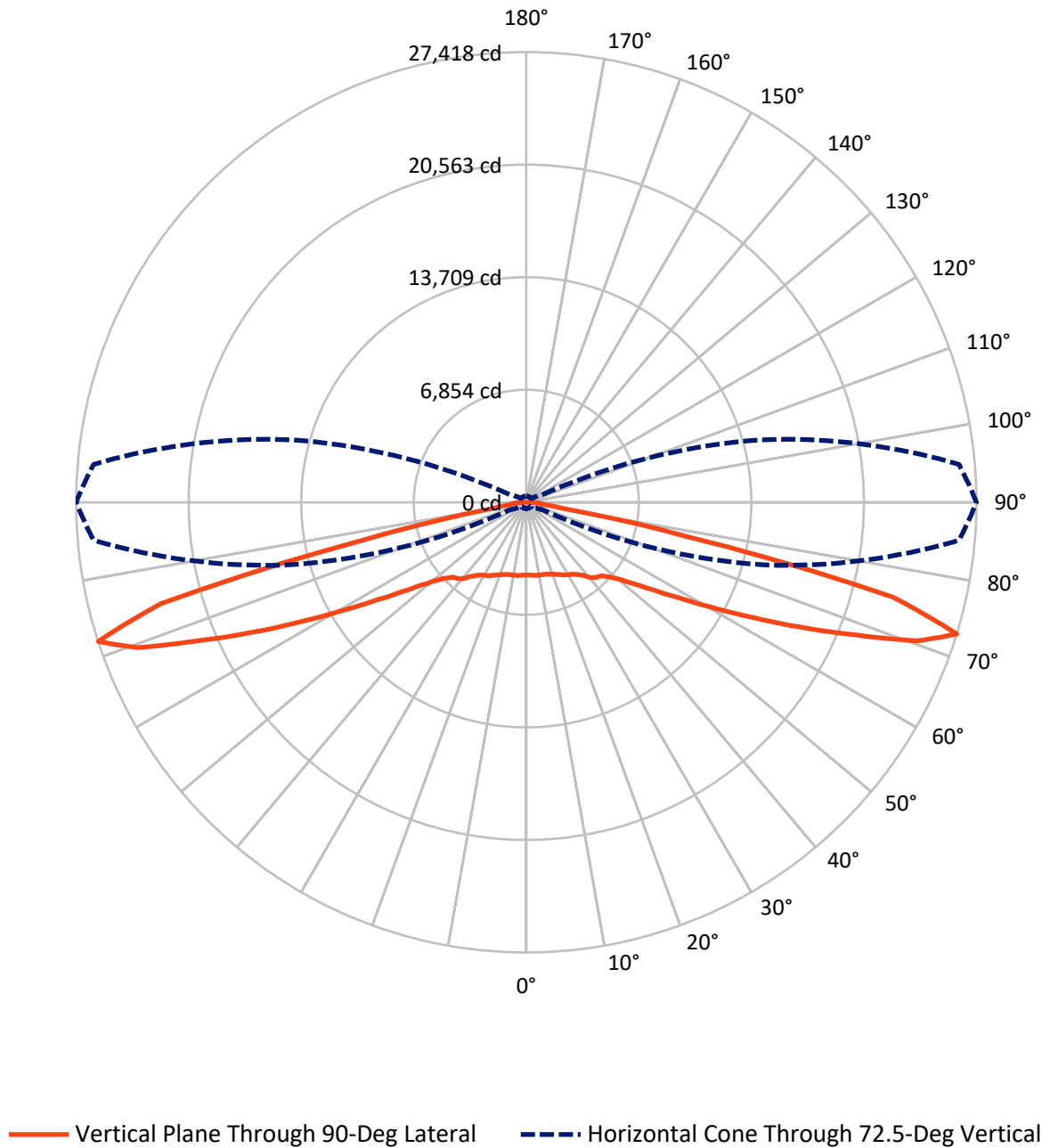
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11858.0	0.0	11858.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11858.0	0.0	11858.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23716.0	0.0	23716.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.7	1.8
10°-20°	1313.8	5.5
20°-30°	2190.7	9.2
30°-40°	3012.9	12.7
40°-50°	3679.6	15.5
50°-60°	4255.8	17.9
60°-70°	5074.4	21.4
70°-80°	3541.6	14.9
80°-90°	217.5	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°	23716.0	100.0
0°-180°	23716.0	100.0

Coefficient of Utilization



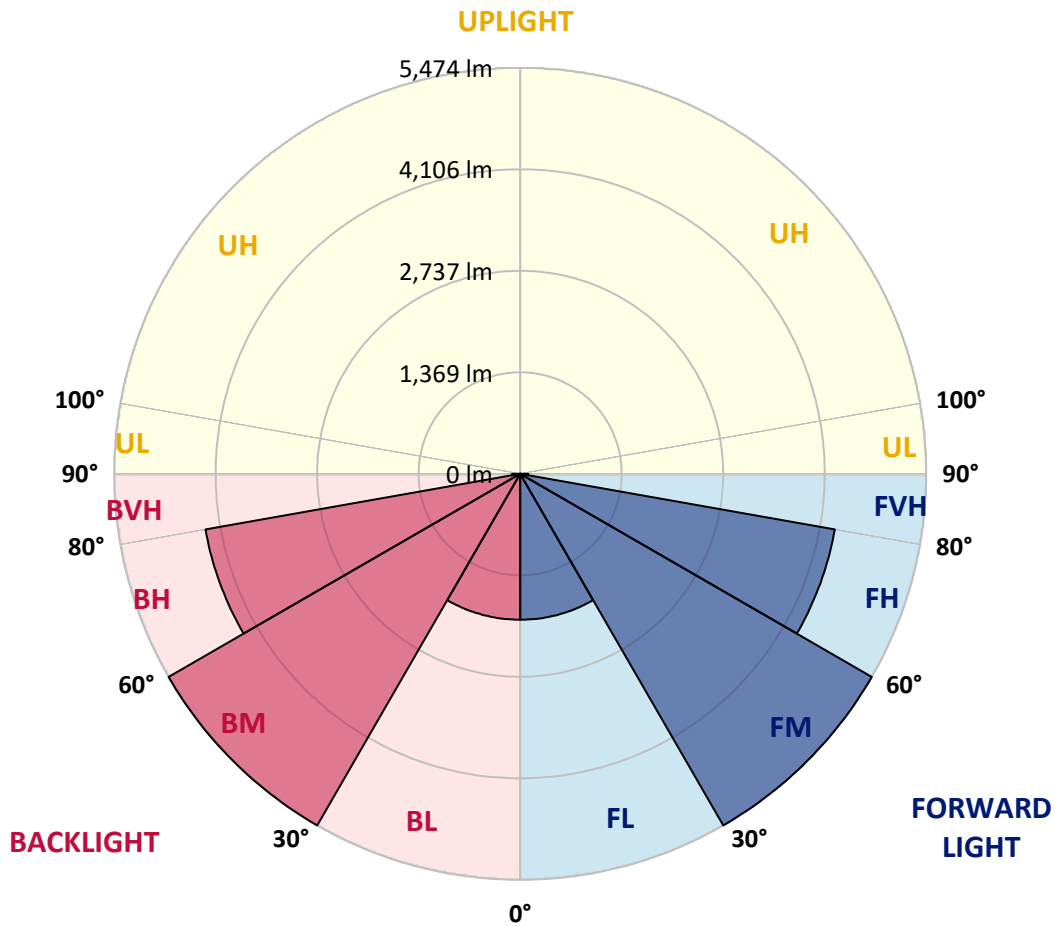
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1967.1	8.3			
FM (30°-60°)	5474.2	23.1			
FH (60°-80°)	4308.0	18.2			G2/5000
FVH (80°-90°)	108.8	0.5			G2/225
BL (0°-30°)	1967.1	8.3	B3/2500		
BM (30°-60°)	5474.2	23.1	B4/8500		
BH (60°-80°)	4308.0	18.2	B4/5000		G4/5000
BVH (80°-90°)	108.8	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4431.6	4431.6	4431.6	4431.6	4431.6	4431.6	4431.6	4431.6	4431.6	4431.6
2.5°	4435.4	4440.4	4440.4	4436.6	4445.4	4437.9	4437.9	4434.1	4437.9	4434.1
5°	4458.1	4464.4	4466.9	4465.6	4477.0	4470.7	4470.7	4465.6	4466.9	4463.1
7.5°	4500.9	4509.7	4514.8	4521.1	4537.5	4529.9	4524.9	4509.7	4503.4	4493.3
10°	4514.8	4524.9	4541.2	4574.0	4611.8	4613.1	4598.0	4560.1	4531.2	4508.5
12.5°	4471.9	4485.8	4519.8	4586.6	4671.1	4705.1	4681.1	4618.1	4561.4	4521.1
15°	4417.7	4432.8	4484.5	4585.4	4710.1	4789.5	4787.0	4703.8	4613.1	4550.1
17.5°	4333.3	4348.4	4422.8	4563.9	4740.4	4871.5	4906.8	4821.1	4693.7	4609.3
20°	4180.8	4194.6	4298.0	4495.9	4750.5	4958.4	5050.4	4974.8	4816.0	4701.3
22.5°	3982.9	4004.3	4125.3	4378.6	4726.5	5049.2	5214.3	5162.6	4958.4	4799.6
25°	3771.1	3793.8	3935.0	4235.0	4664.8	5114.7	5408.4	5375.6	5119.8	4921.9
27.5°	3588.4	3612.3	3766.1	4092.5	4569.0	5139.9	5600.0	5616.4	5315.1	5056.7
30°	3444.7	3467.4	3631.2	3977.8	4445.4	5114.7	5767.6	5881.1	5514.3	5174.0
32.5°	3287.1	3316.1	3488.8	3837.9	4299.2	5054.2	5913.8	6167.2	5744.9	5300.0
35°	3088.0	3114.5	3296.0	3646.4	4107.7	4957.2	6036.1	6484.8	6075.2	5491.6
37.5°	2846.0	2871.2	3051.4	3406.9	3917.3	4821.1	6129.4	6842.7	6468.4	5767.6
40°	2602.7	2626.7	2795.6	3139.7	3689.2	4647.1	6162.1	7193.1	6919.6	6147.0
42.5°	2379.6	2401.1	2556.1	2876.2	3433.3	4425.3	6119.3	7498.2	7324.2	6411.7
45°	2174.2	2193.1	2330.5	2629.2	3167.4	4155.6	5990.7	7825.9	7805.7	6600.7
47.5°	1939.8	1958.7	2101.1	2389.7	2901.5	3839.2	5772.7	8148.5	8475.0	7029.3
50°	1653.7	1670.0	1816.2	2113.7	2625.4	3502.7	5470.2	8401.9	9319.4	7678.4
52.5°	1314.6	1332.2	1474.7	1772.1	2297.7	3140.9	5071.9	8567.0	10295.0	8626.2
55°	978.1	990.7	1114.2	1381.4	1891.9	2728.8	4572.8	8613.6	11401.6	9921.9
57.5°	709.6	717.2	796.6	995.7	1434.3	2213.3	3966.5	8492.6	12718.7	11583.1
60°	574.7	577.3	601.2	689.4	997.0	1631.0	3234.2	8076.7	14148.0	13724.6
62.5°	521.8	521.8	528.1	552.1	674.3	1076.4	2348.1	7214.6	15680.7	16430.6
65°	485.3	485.3	487.8	499.1	531.9	685.7	1482.2	5810.5	16972.6	19600.6
67.5°	452.5	453.7	452.5	456.3	475.2	506.7	859.6	4013.1	17668.4	22885.2
70°	418.5	421.0	414.7	414.7	429.8	431.1	538.2	2200.7	17091.1	25637.9
72.5°	378.1	381.9	371.8	369.3	380.6	375.6	404.6	1056.2	14673.6	26459.7
75°	342.8	347.9	325.2	318.9	318.9	315.1	329.0	542.0	9523.6	21584.4
77.5°	311.3	321.4	284.9	264.7	259.6	248.3	268.5	331.5	4165.6	10133.7
80°	257.1	271.0	234.4	210.5	201.7	189.1	211.7	231.9	1239.0	2353.2
82.5°	191.6	197.9	166.4	150.0	142.4	133.6	158.8	161.3	403.3	833.1
85°	122.3	124.8	102.1	88.2	84.4	80.7	100.8	88.2	153.8	612.6
87.5°	42.9	49.2	39.1	35.3	37.8	31.5	46.6	26.5	42.9	432.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4431.6
4434.1
4463.1
4493.3
4504.7
4514.8
4540.0
4595.4
4679.9
4770.6
4881.5
5013.9
5112.2
5221.9
5404.6
5651.7
6023.5
6252.9
6386.5
6782.2
7368.3
8244.3
9444.2
10981.9
12967.0
15416.0
18317.5
21500.0
25273.6
27417.6
23086.8
9923.2
2253.6
941.5
889.8
535.7
0.0

OF REPORT)