

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: P941433

Luminaire Tested: **GALN-SB5A-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941433
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-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18518 lumens
Efficiency: N/A
Efficacy: 130.7 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

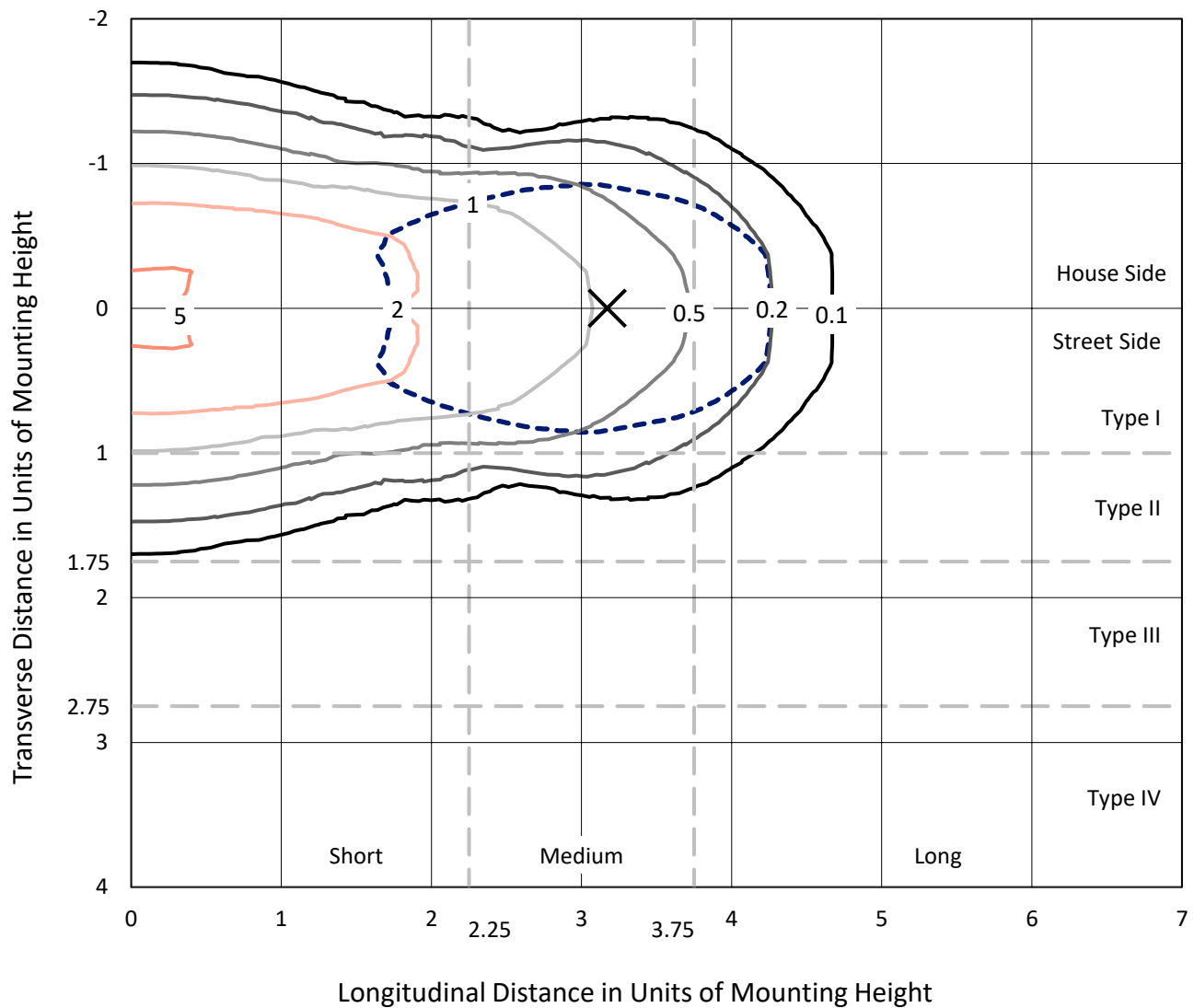


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

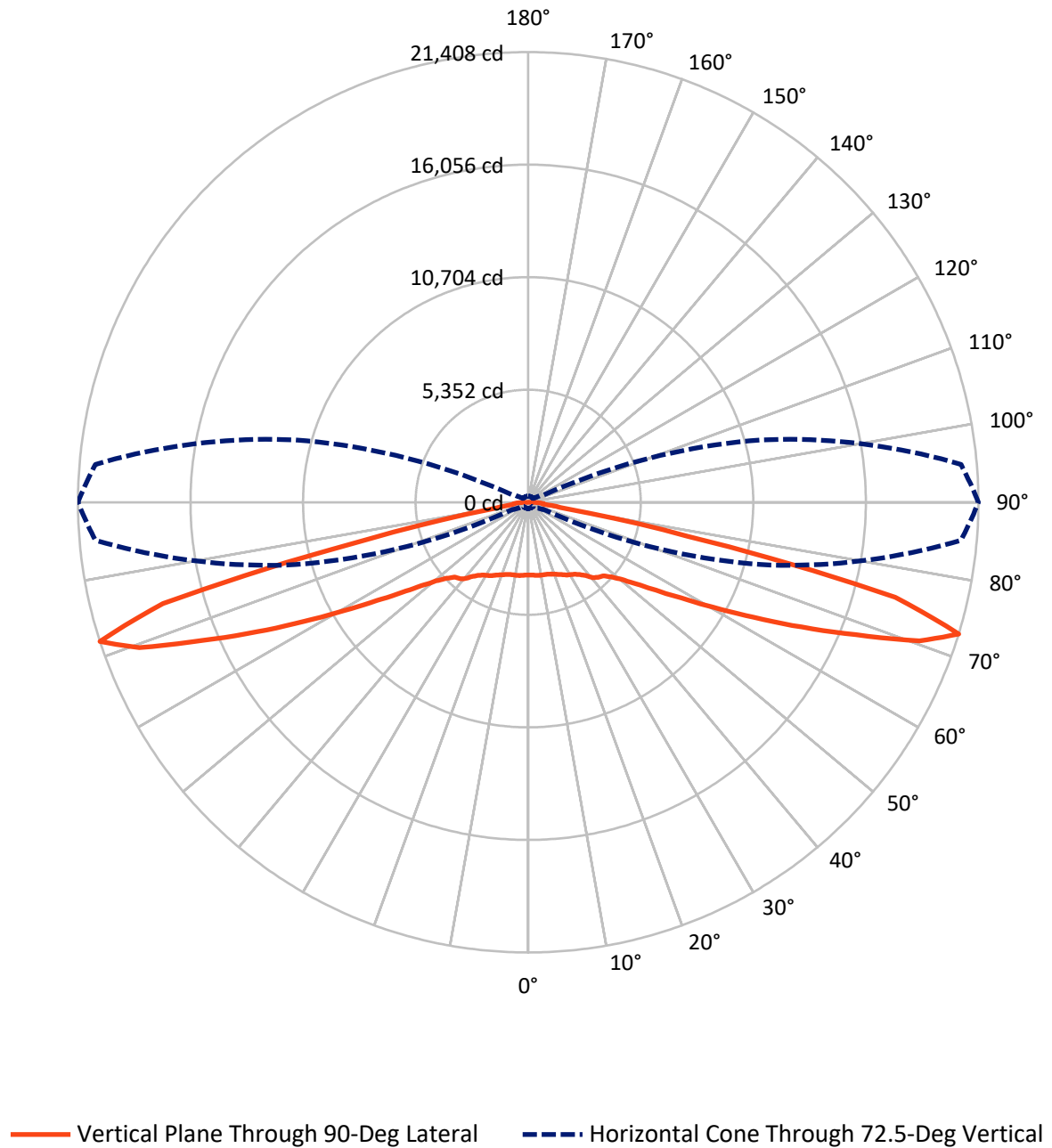


Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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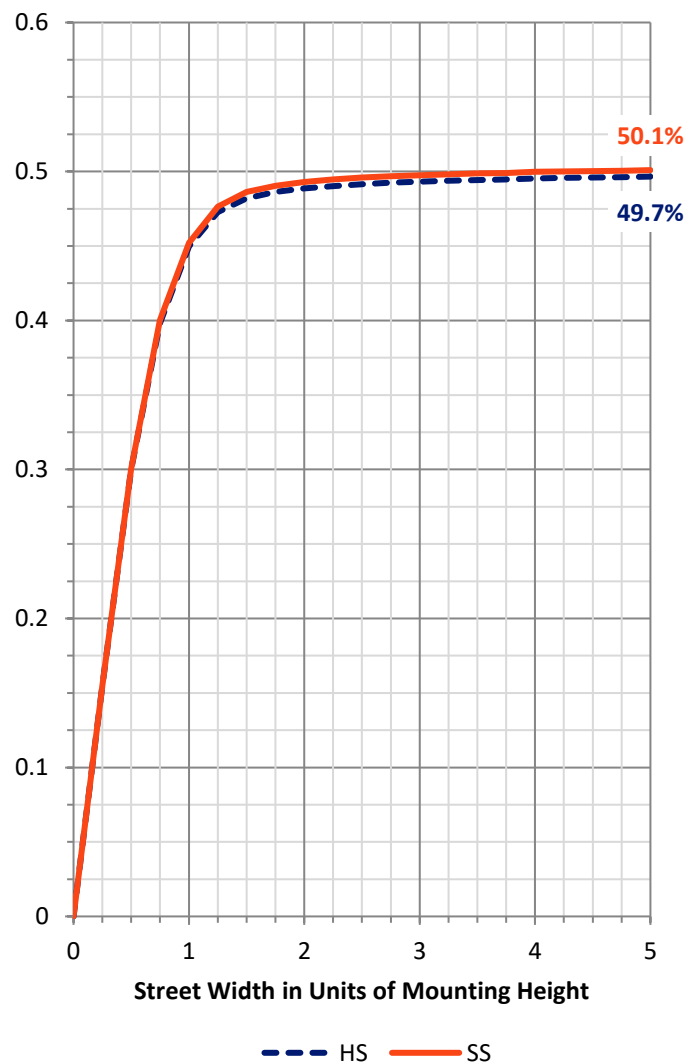
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9259.0	0.0	9259.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9259.0	0.0	9259.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18518.0	0.0	18518.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.5	1.8
10°-20°	1025.9	5.5
20°-30°	1710.6	9.2
30°-40°	2352.5	12.7
40°-50°	2873.1	15.5
50°-60°	3323.0	17.9
60°-70°	3962.2	21.4
70°-80°	2765.3	14.9
80°-90°	169.9	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°	18518.0	100.0
0°-180°	18518.0	100.0

Coefficient of Utilization



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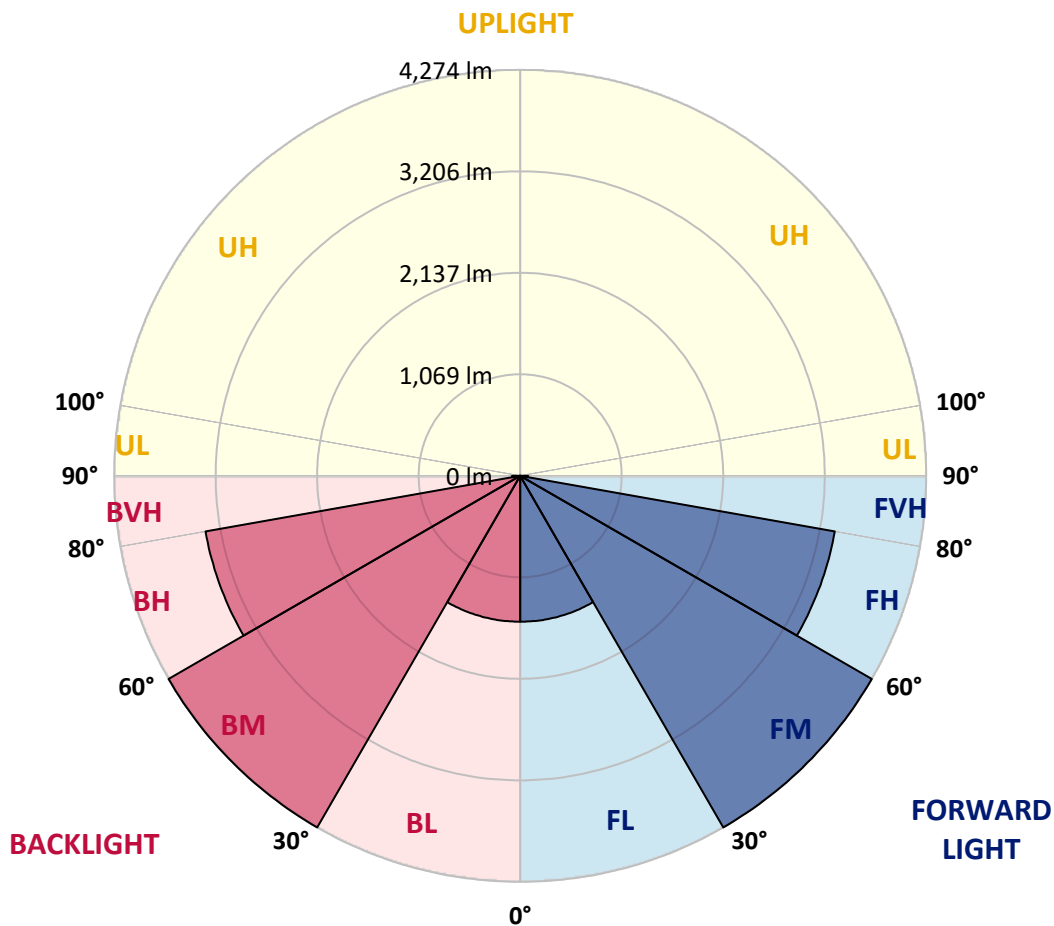
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1536.0	8.3			
FM	(30°-60°)	4274.3	23.1			
FH	(60°-80°)	3363.8	18.2			G2/5000
FVH	(80°-90°)	84.9	0.5			G1/100
BL	(0°-30°)	1536.0	8.3	B3/2500		
BM	(30°-60°)	4274.3	23.1	B3/5000		
BH	(60°-80°)	3363.8	18.2	B4/5000		G4/5000
BVH	(80°-90°)	84.9	0.5			G1/100
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°	90°
0°	3460.3	3460.3	3460.3	3460.3	3460.3	3460.3	3460.3	3460.3	3460.3	3460.3	3460.3
2.5°	3463.2	3467.2	3467.2	3464.2	3471.1	3465.2	3465.2	3462.3	3465.2	3462.3	3462.3
5°	3481.0	3485.9	3487.8	3486.9	3495.7	3490.8	3490.8	3486.9	3487.8	3484.9	3484.9
7.5°	3514.4	3521.3	3525.2	3530.2	3543.0	3537.0	3533.1	3521.3	3516.4	3508.5	3508.5
10°	3525.2	3533.1	3545.9	3571.5	3601.0	3602.0	3590.2	3560.7	3538.0	3520.3	3517.4
12.5°	3491.8	3502.6	3529.2	3581.3	3647.3	3673.8	3655.1	3605.9	3561.7	3530.2	3525.2
15°	3449.5	3461.3	3501.6	3580.4	3677.8	3739.8	3737.8	3672.9	3602.0	3552.8	3544.9
17.5°	3383.5	3395.3	3453.4	3563.6	3701.4	3803.8	3831.3	3764.4	3665.0	3599.0	3588.2
20°	3264.4	3275.3	3356.0	3510.5	3709.3	3871.7	3943.5	3884.5	3760.5	3670.9	3654.2
22.5°	3109.9	3126.7	3221.1	3418.9	3690.6	3942.5	4071.4	4031.1	3871.7	3747.7	3725.0
25°	2944.6	2962.3	3072.5	3306.8	3642.4	3993.7	4223.0	4197.4	3997.6	3843.1	3811.6
27.5°	2801.9	2820.6	2940.7	3195.5	3567.6	4013.4	4372.6	4385.4	4150.2	3948.4	3915.0
30°	2689.7	2707.4	2835.3	3106.0	3471.1	3993.7	4503.5	4592.1	4305.7	4040.0	3991.7
32.5°	2566.7	2589.3	2724.1	2996.7	3356.9	3946.5	4617.6	4815.5	4485.8	4138.4	4077.3
35°	2411.2	2431.8	2573.6	2847.2	3207.4	3870.7	4713.1	5063.5	4743.6	4288.0	4220.1
37.5°	2222.2	2241.9	2382.6	2660.2	3058.7	3764.4	4785.9	5343.0	5050.7	4503.5	4412.9
40°	2032.3	2051.0	2182.9	2451.5	2880.6	3628.6	4811.5	5616.6	5403.0	4799.7	4703.3
42.5°	1858.1	1874.8	1995.9	2245.8	2680.8	3455.4	4778.1	5854.7	5718.9	5006.4	4882.4
45°	1697.7	1712.4	1819.7	2052.9	2473.2	3244.8	4677.7	6110.6	6094.9	5154.0	4986.7
47.5°	1514.6	1529.4	1640.6	1866.0	2265.5	2997.7	4507.4	6362.6	6617.4	5488.6	5295.7
50°	1291.2	1304.0	1418.2	1650.4	2050.0	2735.0	4271.2	6560.4	7276.8	5995.5	5753.4
52.5°	1026.5	1040.3	1151.5	1383.7	1794.1	2452.5	3960.2	6689.3	8038.6	6735.5	6437.3
55°	763.7	773.5	870.0	1078.6	1477.2	2130.7	3570.5	6725.7	8902.7	7747.3	7374.3
57.5°	554.1	560.0	622.0	777.5	1120.0	1728.2	3097.1	6631.2	9931.1	9044.4	8574.9
60°	448.8	450.7	469.4	538.3	778.5	1273.5	2525.3	6306.5	11047.1	10716.4	10125.0
62.5°	407.4	407.4	412.4	431.1	526.5	840.5	1833.5	5633.3	12243.9	12829.4	12037.2
65°	378.9	378.9	380.9	389.7	415.3	535.4	1157.4	4536.9	13252.6	15304.6	14302.7
67.5°	353.3	354.3	353.3	356.3	371.0	395.6	671.2	3133.5	13795.9	17869.3	16787.7
70°	326.7	328.7	323.8	323.8	335.6	336.6	420.2	1718.3	13345.1	20018.7	19734.2
72.5°	295.2	298.2	290.3	288.4	297.2	293.3	315.9	824.7	11457.5	20660.3	21408.3
75°	267.7	271.6	253.9	249.0	249.0	246.0	256.9	423.2	7436.3	16853.6	18026.7
77.5°	243.1	251.0	222.4	206.7	202.7	193.9	209.6	258.8	3252.6	7912.6	7748.2
80°	200.8	211.6	183.1	164.4	157.5	147.6	165.3	181.1	967.4	1837.4	1759.7
82.5°	149.6	154.5	129.9	117.1	111.2	104.3	124.0	126.0	314.9	650.5	735.2
85°	95.5	97.4	79.7	68.9	65.9	63.0	78.7	68.9	120.1	478.3	694.8
87.5°	33.5	38.4	30.5	27.6	29.5	24.6	36.4	20.7	33.5	337.6	418.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)