

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: P942113

Luminaire Tested: **GALN-SB6A-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942113
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-SB6A-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 22230 lumens
Efficiency: N/A
Efficacy: 130.1 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): 170.9
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

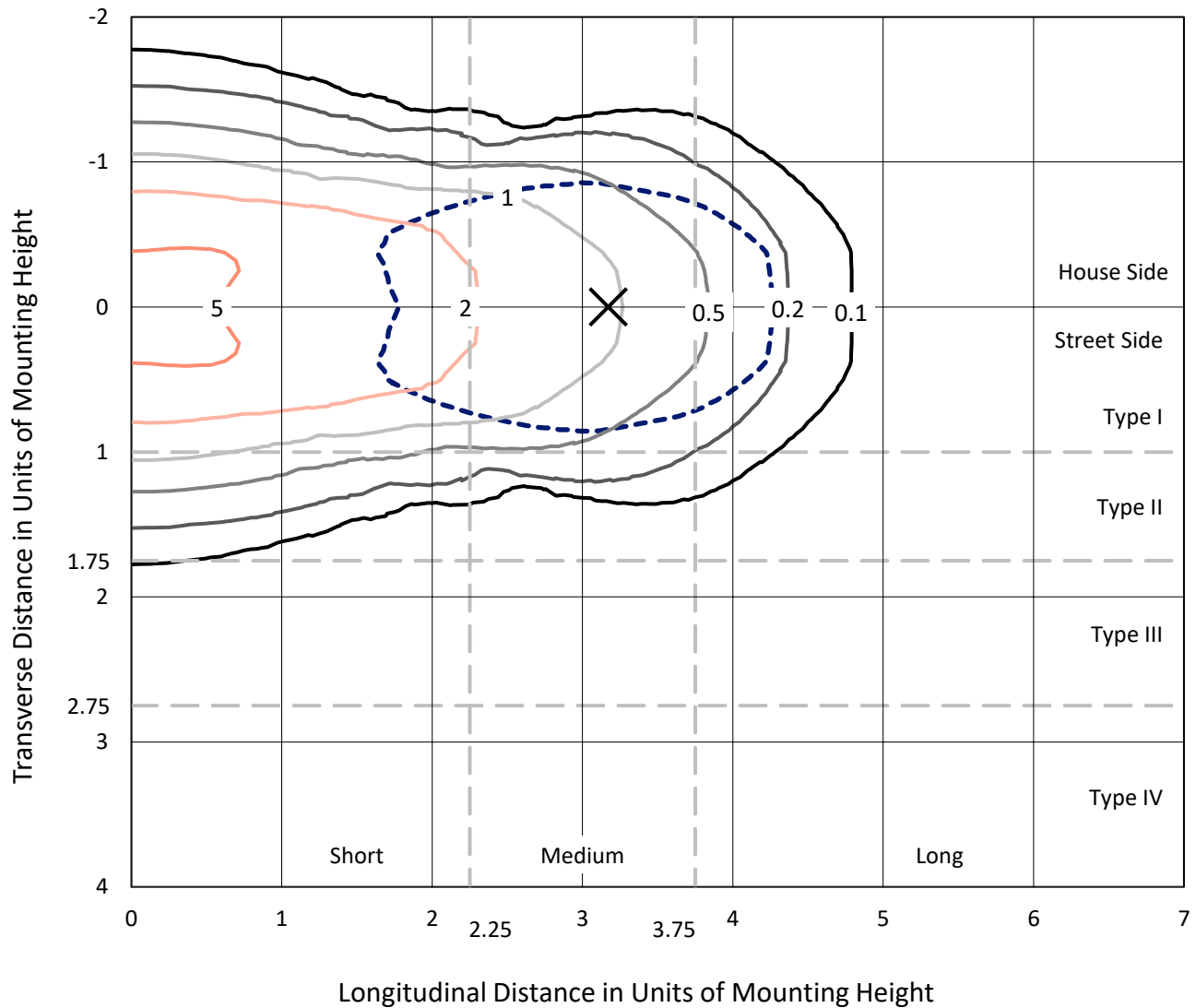


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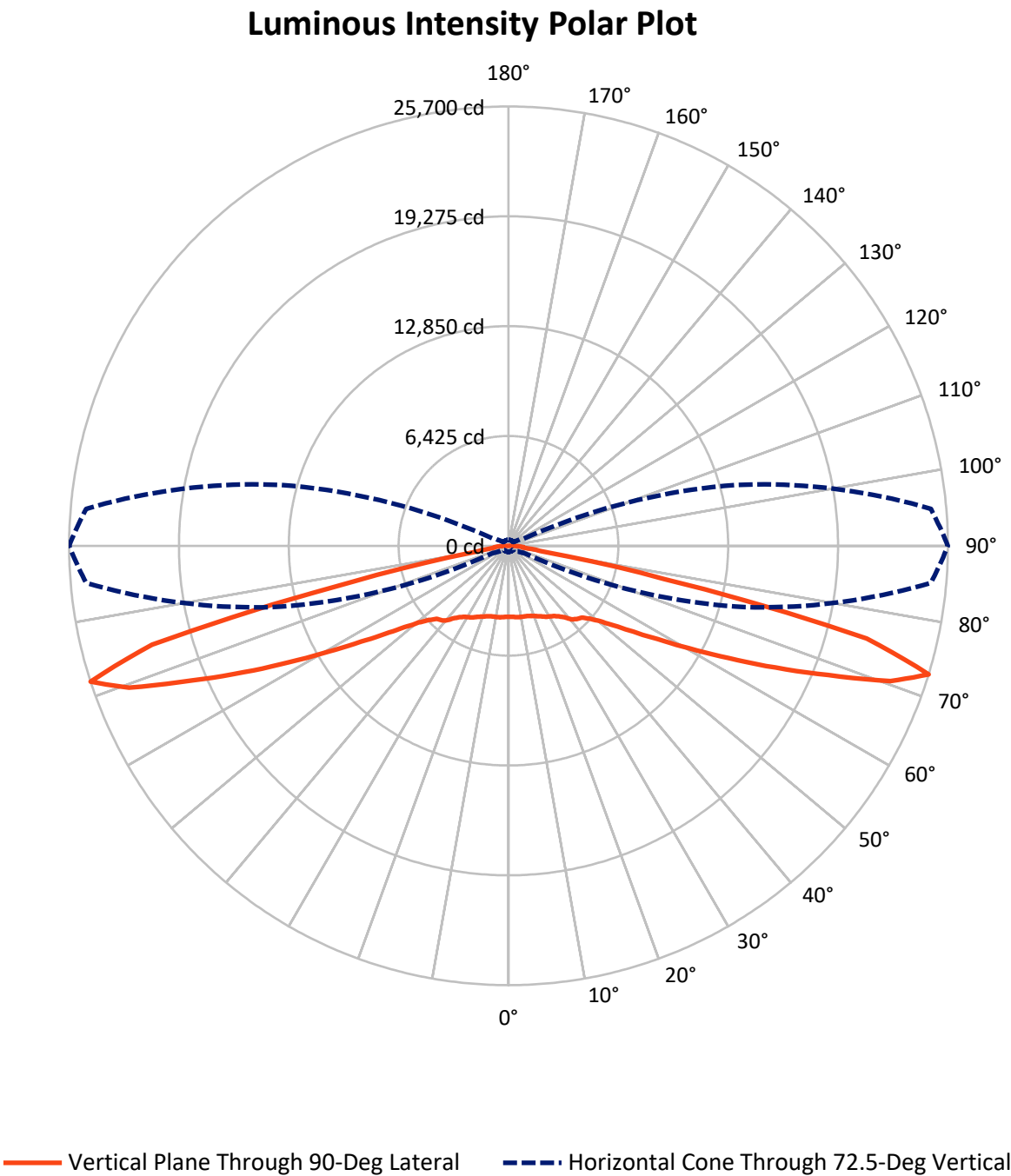
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
Type I - Short - N/A

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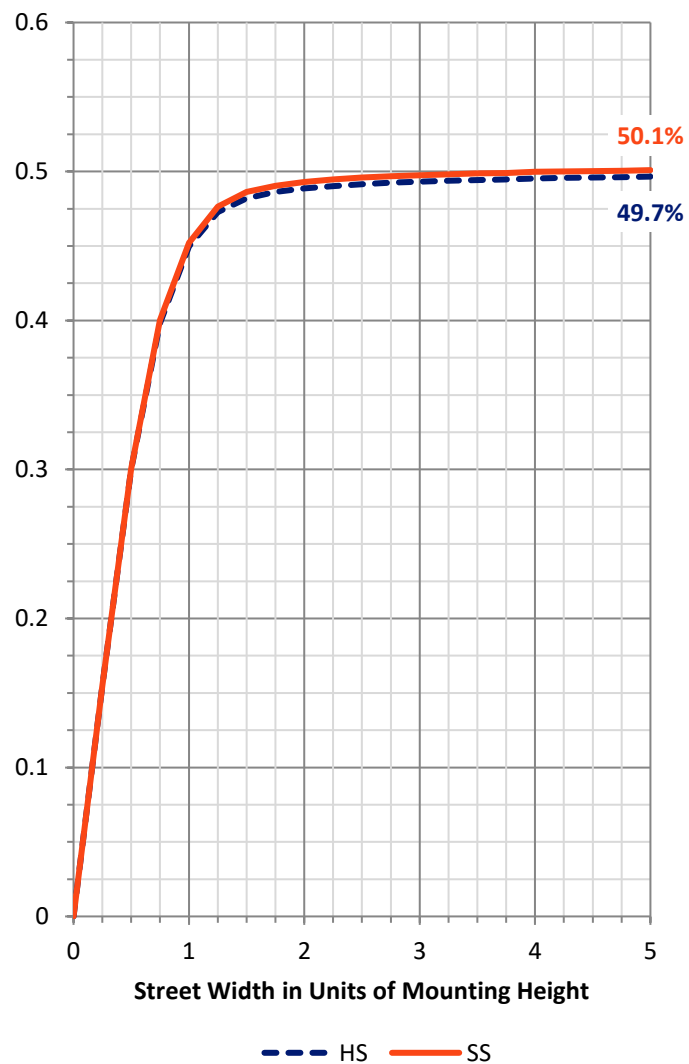
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11115.0	0.0	11115.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11115.0	0.0	11115.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22230.0	0.0	22230.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.8	1.8
10°-20°	1231.5	5.5
20°-30°	2053.4	9.2
30°-40°	2824.1	12.7
40°-50°	3449.0	15.5
50°-60°	3989.2	17.9
60°-70°	4756.4	21.4
70°-80°	3319.7	14.9
80°-90°	203.9	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°	22230.0	100.0
0°-180°	22230.0	100.0

Coefficient of Utilization



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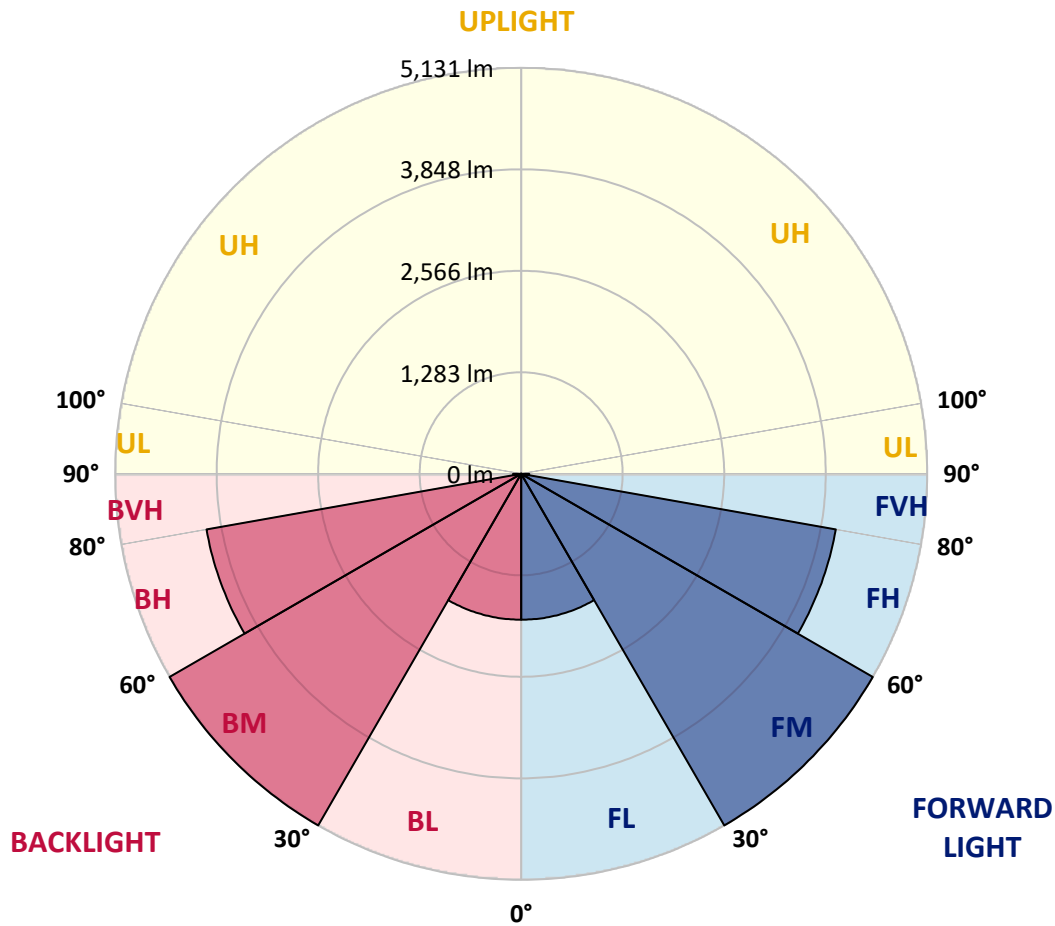
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1843.9	8.3			
FM	(30°-60°)	5131.1	23.1			
FH	(60°-80°)	4038.0	18.2			G2/5000
FVH	(80°-90°)	101.9	0.5			G2/225
BL	(0°-30°)	1843.9	8.3	B3/2500		
BM	(30°-60°)	5131.1	23.1	B4/8500		
BH	(60°-80°)	4038.0	18.2	B4/5000		G4/5000
BVH	(80°-90°)	101.9	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°	90°
0°	4153.9	4153.9	4153.9	4153.9	4153.9	4153.9	4153.9	4153.9	4153.9	4153.9	4153.9
2.5°	4157.5	4162.2	4162.2	4158.6	4166.9	4159.8	4159.8	4156.3	4159.8	4156.3	4156.3
5°	4178.7	4184.6	4187.0	4185.8	4196.4	4190.5	4190.5	4185.8	4187.0	4183.4	4183.4
7.5°	4218.9	4227.2	4231.9	4237.8	4253.2	4246.1	4241.3	4227.2	4221.3	4211.8	4211.8
10°	4231.9	4241.3	4256.7	4287.4	4322.9	4324.0	4309.9	4274.4	4247.2	4226.0	4222.4
12.5°	4191.7	4204.7	4236.6	4299.2	4378.4	4410.3	4387.8	4328.8	4275.6	4237.8	4231.9
15°	4140.9	4155.1	4203.5	4298.0	4415.0	4489.4	4487.1	4409.1	4324.0	4265.0	4255.5
17.5°	4061.8	4075.9	4145.6	4278.0	4443.4	4566.2	4599.3	4519.0	4399.6	4320.5	4307.5
20°	3918.8	3931.8	4028.7	4214.2	4452.8	4647.7	4734.0	4663.1	4514.2	4406.7	4386.7
22.5°	3733.3	3753.4	3866.8	4104.3	4430.4	4732.8	4887.6	4839.1	4647.7	4498.9	4471.7
25°	3534.8	3556.1	3688.4	3969.6	4372.5	4794.2	5069.5	5038.8	4799.0	4613.5	4575.7
27.5°	3363.5	3386.0	3530.1	3836.1	4282.7	4817.9	5249.1	5264.5	4982.1	4739.9	4699.7
30°	3228.8	3250.1	3403.7	3728.6	4166.9	4794.2	5406.2	5512.6	5168.8	4849.8	4791.9
32.5°	3081.2	3108.3	3270.2	3597.5	4029.9	4737.5	5543.3	5780.7	5385.0	4967.9	4894.7
35°	2894.5	2919.3	3089.4	3417.9	3850.3	4646.6	5657.9	6078.5	5694.5	5147.5	5066.0
37.5°	2667.7	2691.3	2860.2	3193.4	3671.9	4519.0	5745.3	6414.0	6063.1	5406.2	5297.5
40°	2439.7	2462.1	2620.4	2942.9	3458.0	4355.9	5776.0	6742.4	6486.1	5761.8	5646.1
42.5°	2230.5	2250.6	2395.9	2696.0	3218.2	4148.0	5735.8	7028.3	6865.3	6009.9	5861.1
45°	2038.0	2055.7	2184.5	2464.5	2968.9	3895.2	5615.3	7335.5	7316.6	6187.2	5986.3
47.5°	1818.2	1835.9	1969.4	2240.0	2719.7	3598.6	5411.0	7637.9	7943.9	6588.8	6357.3
50°	1550.0	1565.4	1702.4	1981.3	2460.9	3283.2	5127.4	7875.4	8735.5	7197.3	6906.6
52.5°	1232.2	1248.8	1382.3	1661.1	2153.7	2944.1	4754.1	8030.2	9649.9	8085.7	7727.7
55°	916.8	928.6	1044.4	1294.8	1773.3	2557.8	4286.2	8073.9	10687.2	9300.2	8852.5
57.5°	665.1	672.2	746.7	933.3	1344.5	2074.6	3718.0	7960.5	11921.8	10857.3	10293.8
60°	538.7	541.1	563.5	646.2	934.5	1528.8	3031.6	7570.6	13261.6	12864.6	12154.6
62.5°	489.1	489.1	495.0	517.5	632.1	1008.9	2201.0	6762.5	14698.2	15401.1	14450.1
65°	454.9	454.9	457.2	467.8	498.6	642.7	1389.4	5446.4	15909.1	18372.4	17169.7
67.5°	424.1	425.3	424.1	427.7	445.4	474.9	805.7	3761.7	16561.3	21451.2	20152.8
70°	392.2	394.6	388.7	388.7	402.9	404.0	504.5	2062.8	16020.2	24031.5	23690.0
72.5°	354.4	358.0	348.5	346.2	356.8	352.1	379.2	990.0	13754.2	24801.8	25699.7
75°	321.3	326.1	304.8	298.9	298.9	295.4	308.4	508.0	8926.9	20232.0	21640.3
77.5°	291.8	301.3	267.0	248.1	243.4	232.7	251.6	310.7	3904.6	9498.7	9301.4
80°	241.0	254.0	219.7	197.3	189.0	177.2	198.5	217.4	1161.3	2205.7	2112.4
82.5°	179.6	185.5	155.9	140.6	133.5	125.2	148.9	151.2	378.1	780.9	882.5
85°	114.6	117.0	95.7	82.7	79.2	75.6	94.5	82.7	144.1	574.2	834.1
87.5°	40.2	46.1	36.6	33.1	35.4	29.5	43.7	24.8	40.2	405.2	502.1
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)