

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: P941093

Luminaire Tested: **GALN-SB4C-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941093
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-SB4C-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24529 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 200.7
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

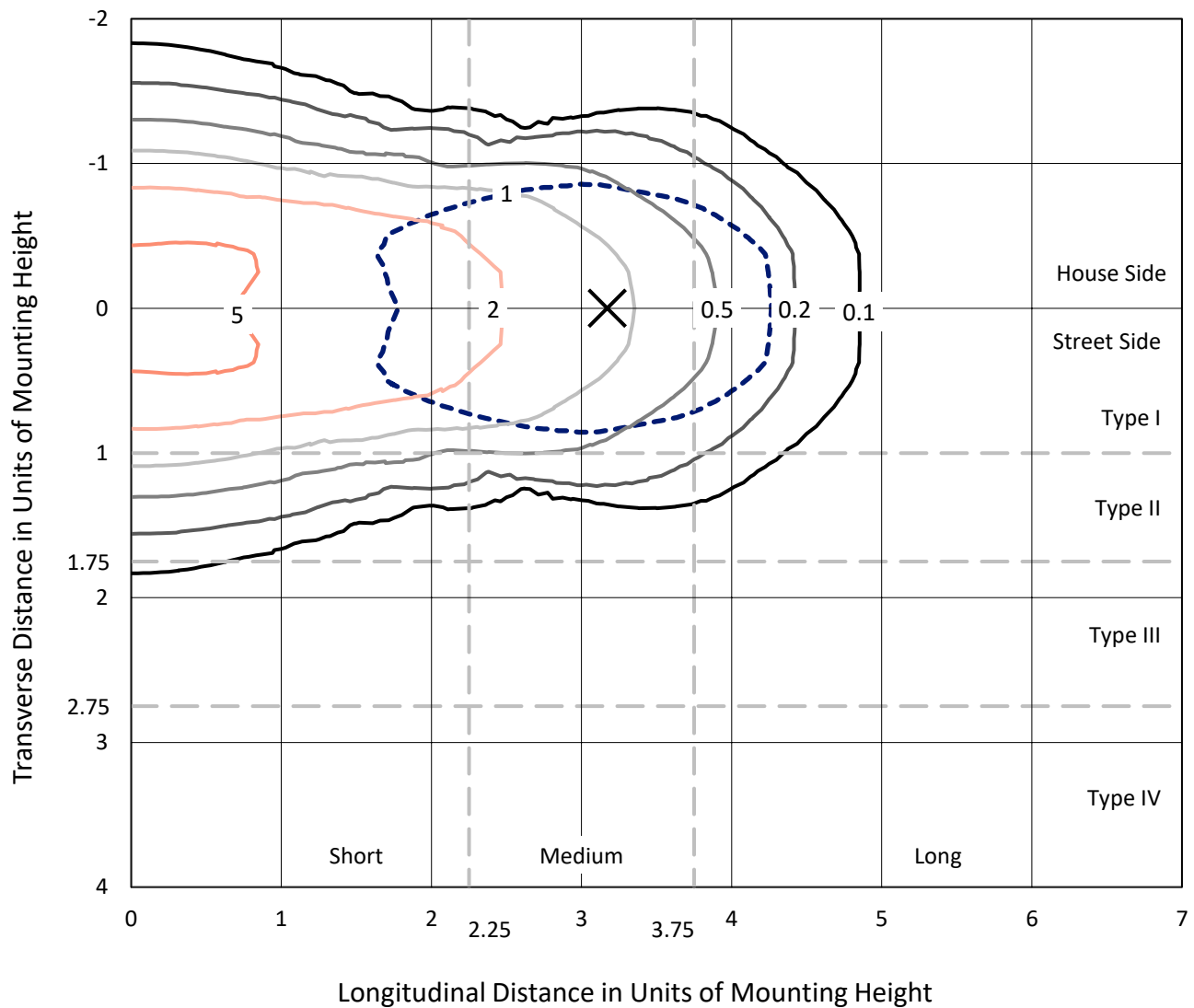


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Iso-Footcandle Lines of Horizontal Illumination

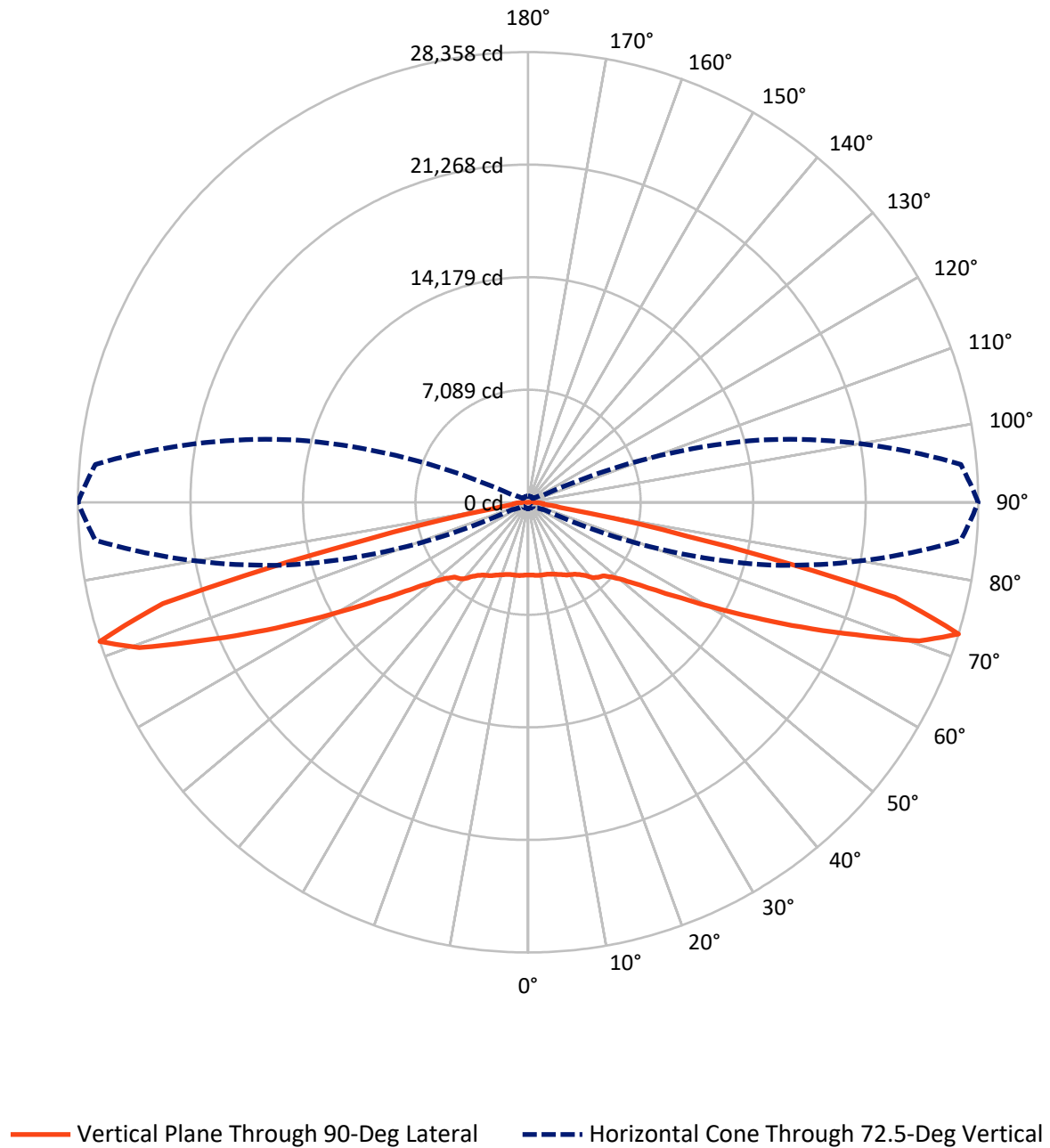
× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
Type I - Short - N/A

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Luminous Intensity Polar Plot



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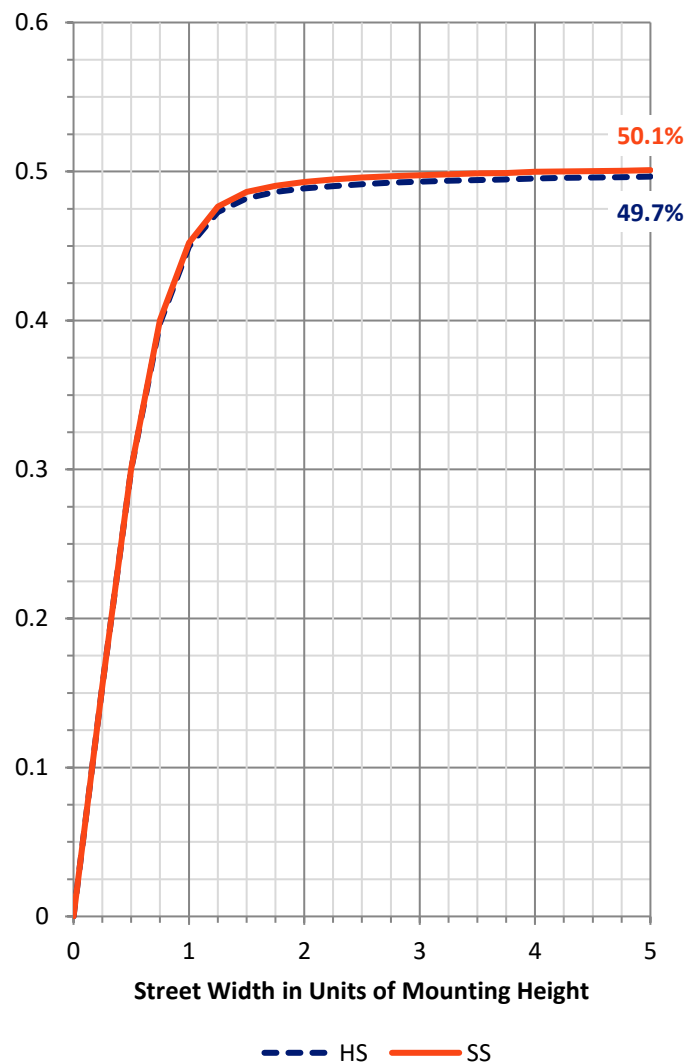
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12264.5	0.0	12264.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12264.5	0.0	12264.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24529.0	0.0	24529.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.4	1.8
10°-20°	1358.9	5.5
20°-30°	2265.8	9.2
30°-40°	3116.2	12.7
40°-50°	3805.7	15.5
50°-60°	4401.7	17.9
60°-70°	5248.3	21.4
70°-80°	3663.0	14.9
80°-90°	225.0	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°	24529.0	100.0
0°-180°	24529.0	100.0

Coefficient of Utilization



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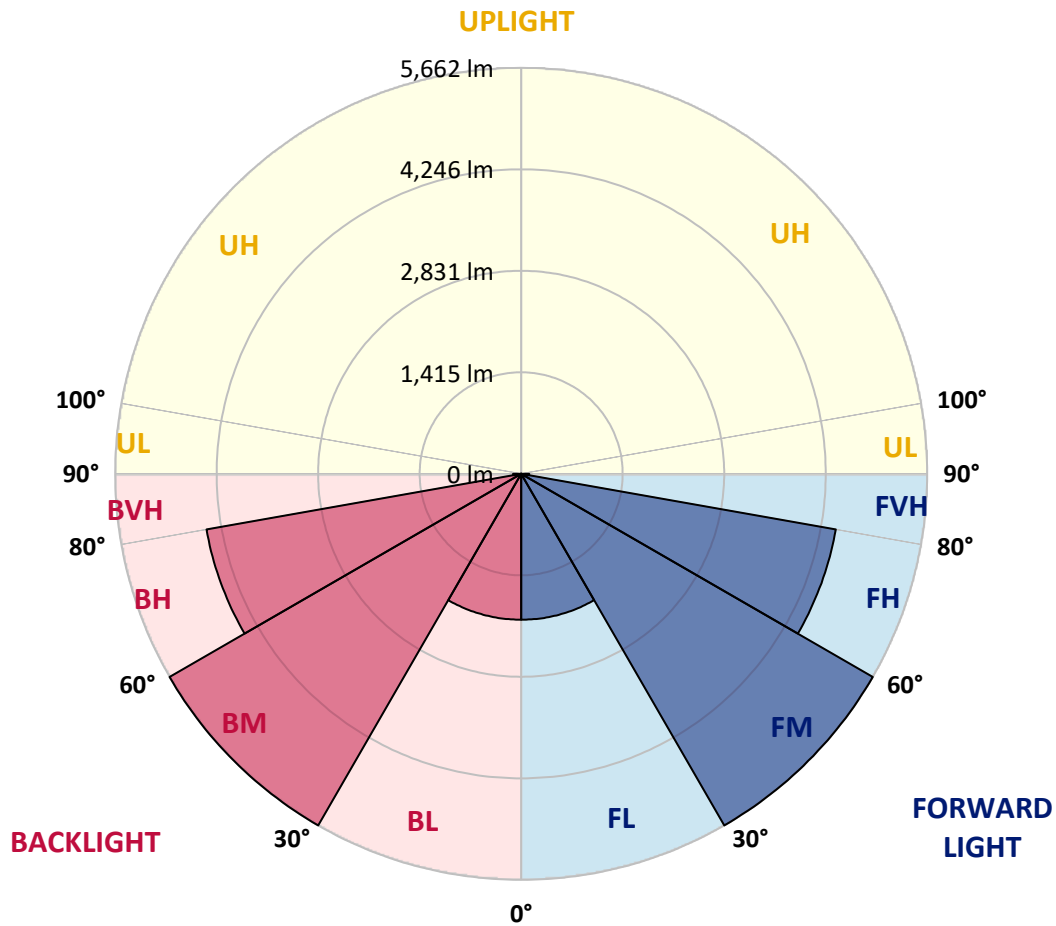
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2034.6	8.3			
FM	(30°-60°)	5661.8	23.1			
FH	(60°-80°)	4455.7	18.2			G2/5000
FVH	(80°-90°)	112.5	0.5			G2/225
BL	(0°-30°)	2034.6	8.3	B3/2500		
BM	(30°-60°)	5661.8	23.1	B4/8500		
BH	(60°-80°)	4455.7	18.2	B4/5000		G4/5000
BVH	(80°-90°)	112.5	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°	4583.5	4583.5	4583.5	4583.5	4583.5	4583.5	4583.5	4583.5	4583.5	4583.5	4583.5
2.5°	4587.4	4592.6	4592.6	4588.7	4597.8	4590.0	4590.0	4586.1	4590.0	4586.1	4586.1
5°	4610.9	4617.4	4620.0	4618.7	4630.4	4623.9	4623.9	4618.7	4620.0	4616.1	4616.1
7.5°	4655.2	4664.3	4669.5	4676.1	4693.0	4685.2	4680.0	4664.3	4657.8	4647.4	4647.4
10°	4669.5	4680.0	4696.9	4730.8	4769.9	4771.2	4755.6	4716.5	4686.5	4663.0	4659.1
12.5°	4625.2	4639.6	4674.8	4743.8	4831.2	4866.4	4841.6	4776.4	4717.8	4676.1	4669.5
15°	4569.2	4584.8	4638.3	4742.5	4871.6	4953.7	4951.1	4865.1	4771.2	4706.0	4695.6
17.5°	4481.8	4497.5	4574.4	4720.4	4902.9	5038.5	5075.0	4986.3	4854.7	4767.3	4753.0
20°	4324.1	4338.4	4445.3	4650.0	4913.3	5128.4	5223.6	5145.4	4981.1	4862.5	4840.3
22.5°	4119.4	4141.6	4266.7	4528.8	4888.5	5222.3	5393.0	5339.6	5128.4	4964.2	4934.2
25°	3900.4	3923.9	4069.9	4380.1	4824.7	5290.1	5593.8	5559.9	5295.3	5090.6	5048.9
27.5°	3711.4	3736.2	3895.2	4232.8	4725.6	5316.1	5792.0	5808.9	5497.3	5230.1	5185.8
30°	3562.8	3586.2	3755.7	4114.2	4597.8	5290.1	5965.3	6082.7	5703.3	5351.3	5287.5
32.5°	3399.8	3429.8	3608.4	3969.5	4446.6	5227.5	6116.6	6378.6	5941.9	5481.7	5400.9
35°	3193.9	3221.2	3408.9	3771.4	4248.5	5127.1	6243.0	6707.1	6283.4	5679.8	5589.9
37.5°	2943.6	2969.6	3156.0	3523.7	4051.6	4986.3	6339.5	7077.3	6690.1	5965.3	5845.4
40°	2692.0	2716.7	2891.4	3247.3	3815.7	4806.4	6373.4	7439.7	7156.8	6357.7	6230.0
42.5°	2461.2	2483.4	2643.7	2974.8	3551.0	4577.0	6329.0	7755.2	7575.3	6631.5	6467.2
45°	2248.7	2268.3	2410.4	2719.3	3276.0	4298.0	6196.1	8094.1	8073.3	6827.0	6605.4
47.5°	2006.3	2025.8	2173.1	2471.6	3000.9	3970.8	5970.5	8427.9	8765.5	7270.2	7014.7
50°	1710.3	1727.3	1878.5	2186.2	2715.4	3622.7	5657.7	8689.9	9638.9	7941.6	7620.9
52.5°	1359.7	1377.9	1525.2	1832.9	2376.5	3248.6	5245.7	8860.7	10647.9	8921.9	8526.9
55°	1011.6	1024.6	1152.4	1428.8	1956.7	2822.3	4729.5	8908.9	11792.5	10262.0	9768.0
57.5°	733.9	741.8	823.9	1029.9	1483.5	2289.1	4102.5	8783.7	13154.8	11980.2	11358.4
60°	594.4	597.1	621.8	713.1	1031.2	1686.9	3345.1	8353.6	14633.1	14195.0	13411.6
62.5°	539.7	539.7	546.2	571.0	697.4	1113.3	2428.6	7461.9	16218.2	16993.9	15944.5
65°	501.9	501.9	504.5	516.2	550.1	709.2	1533.0	6009.7	17554.4	20272.5	18945.4
67.5°	468.0	469.3	468.0	471.9	491.5	524.1	889.1	4150.7	18274.0	23669.7	22237.0
70°	432.8	435.4	428.9	428.9	444.5	445.8	556.6	2276.1	17677.0	26516.8	26140.0
72.5°	391.1	395.0	384.6	382.0	393.7	388.5	418.5	1092.4	15176.7	27366.7	28357.5
75°	354.6	359.8	336.3	329.8	329.8	325.9	340.2	560.6	9850.1	22324.4	23878.3
77.5°	322.0	332.4	294.6	273.8	268.5	256.8	277.7	342.9	4308.4	10481.0	10263.3
80°	265.9	280.3	242.5	217.7	208.6	195.5	219.0	239.9	1281.5	2433.8	2330.9
82.5°	198.1	204.7	172.1	155.1	147.3	138.2	164.3	166.9	417.2	861.7	973.8
85°	126.5	129.1	105.6	91.3	87.3	83.4	104.3	91.3	159.0	633.6	920.4
87.5°	44.3	50.8	40.4	36.5	39.1	32.6	48.2	27.4	44.3	447.1	554.0
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)