

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: P941603

Luminaire Tested: **GALN-SB5B-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941603
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-SB5B-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23246 lumens
Efficiency: N/A
Efficacy: 127.2 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): 182.7
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

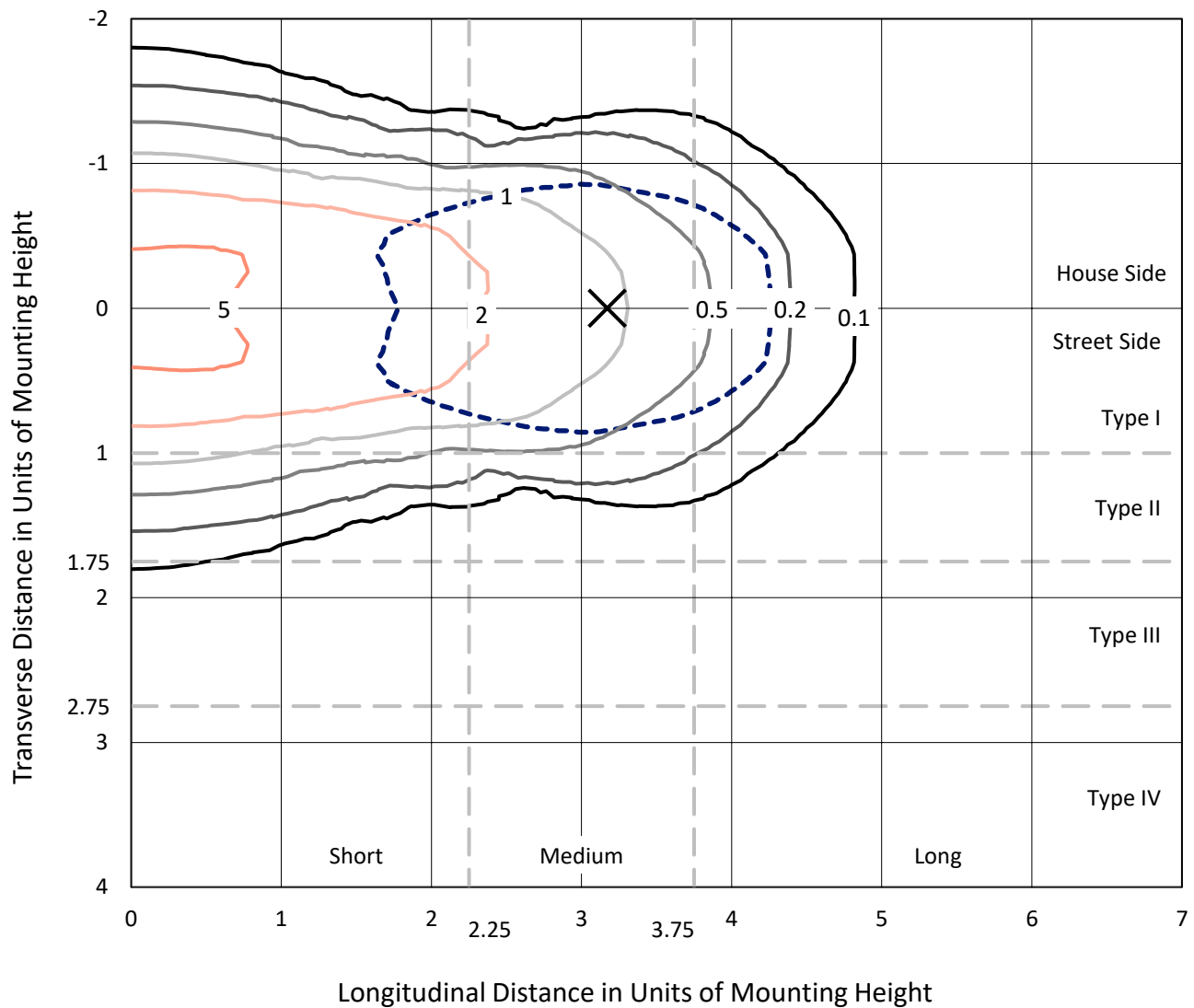


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

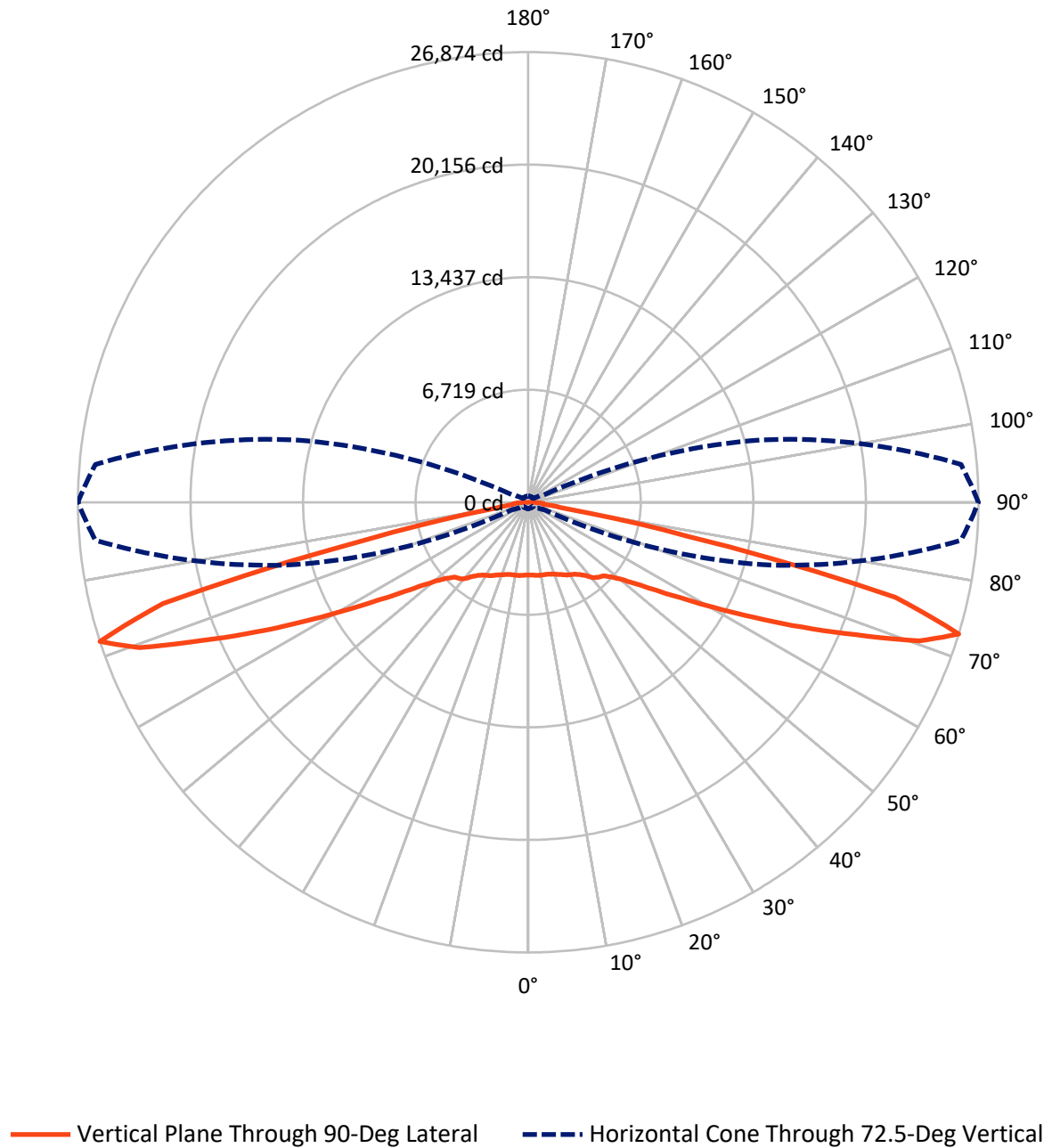


Based on 25 foot mounting height. Maximum calculated value = 7 fc
Type I - Short - N/A

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Luminous Intensity Polar Plot



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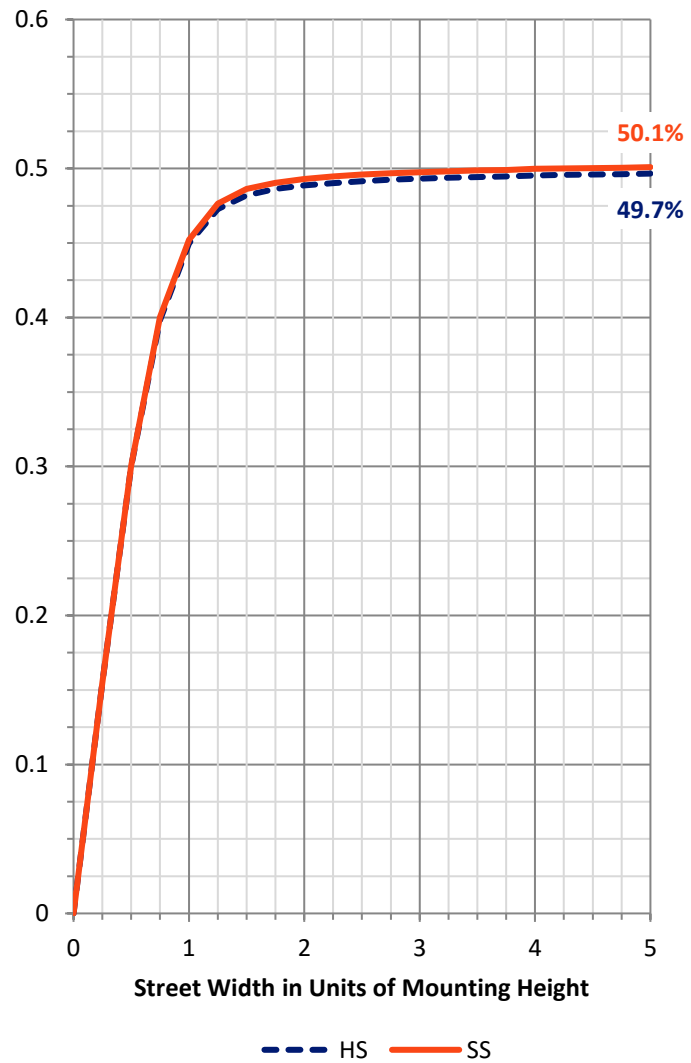
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11623.0	0.0	11623.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11623.0	0.0	11623.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23246.0	0.0	23246.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.2	1.8
10°-20°	1287.8	5.5
20°-30°	2147.3	9.2
30°-40°	2953.2	12.7
40°-50°	3606.7	15.5
50°-60°	4171.5	17.9
60°-70°	4973.8	21.4
70°-80°	3471.4	14.9
80°-90°	213.2	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°	23246.0	100.0
0°-180°	23246.0	100.0

Coefficient of Utilization



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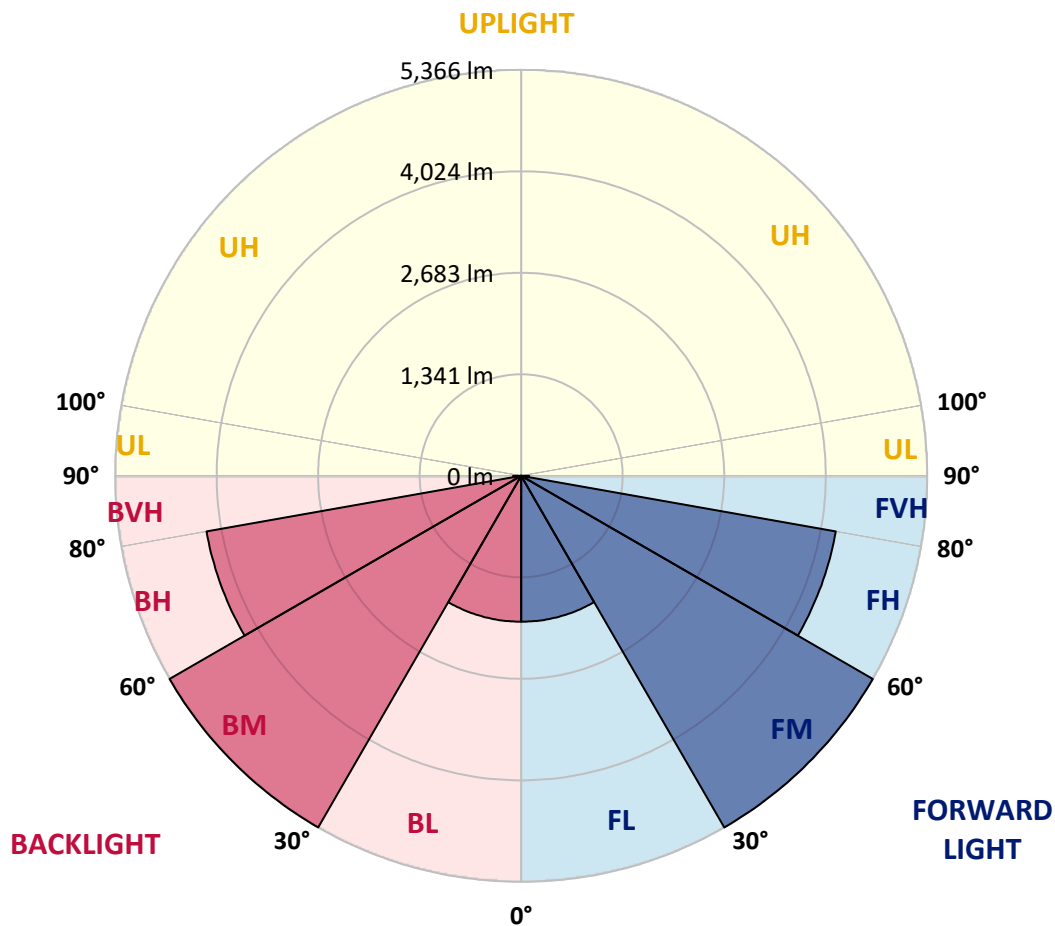
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1928.1	8.3			
FM	(30°-60°)	5365.7	23.1			
FH	(60°-80°)	4222.6	18.2			G2/5000
FVH	(80°-90°)	106.6	0.5			G2/225
BL	(0°-30°)	1928.1	8.3	B3/2500		
BM	(30°-60°)	5365.7	23.1	B4/8500		
BH	(60°-80°)	4222.6	18.2	B4/5000		G4/5000
BVH	(80°-90°)	106.6	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°	4343.8	4343.8	4343.8	4343.8	4343.8	4343.8	4343.8	4343.8	4343.8	4343.8	4343.8
2.5°	4347.5	4352.4	4352.4	4348.7	4357.4	4349.9	4349.9	4346.2	4349.9	4346.2	4346.2
5°	4369.7	4375.9	4378.4	4377.1	4388.2	4382.1	4382.1	4377.1	4378.4	4374.6	4374.6
7.5°	4411.7	4420.4	4425.3	4431.5	4447.5	4440.1	4435.2	4420.4	4414.2	4404.3	4404.3
10°	4425.3	4435.2	4451.2	4483.4	4520.4	4521.7	4506.8	4469.8	4441.4	4419.1	4415.4
12.5°	4383.3	4396.9	4430.2	4495.7	4578.5	4611.8	4588.4	4526.6	4471.0	4431.5	4425.3
15°	4330.2	4345.0	4395.6	4494.5	4616.8	4694.6	4692.2	4610.6	4521.7	4459.9	4450.0
17.5°	4247.4	4262.2	4335.1	4473.5	4646.4	4774.9	4809.5	4725.5	4600.7	4518.0	4504.4
20°	4097.9	4111.5	4212.8	4406.8	4656.3	4860.2	4950.4	4876.2	4720.6	4608.1	4587.1
22.5°	3903.9	3925.0	4043.6	4291.9	4632.9	4949.1	5111.0	5060.3	4860.2	4704.5	4676.1
25°	3696.4	3718.6	3857.0	4151.0	4572.3	5013.4	5301.2	5269.1	5018.3	4824.3	4784.8
27.5°	3517.3	3540.7	3691.5	4011.4	4478.4	5038.1	5489.0	5505.1	5209.8	4956.5	4914.5
30°	3376.4	3398.7	3559.3	3899.0	4357.4	5013.4	5653.3	5764.5	5405.0	5071.4	5010.9
32.5°	3222.0	3250.4	3419.7	3761.9	4214.0	4954.1	5796.6	6044.9	5631.1	5195.0	5118.4
35°	3026.8	3052.7	3230.6	3574.1	4026.3	4858.9	5916.5	6356.3	5954.8	5382.8	5297.5
37.5°	2789.6	2814.3	2991.0	3339.4	3839.7	4725.5	6007.9	6707.1	6340.2	5653.3	5539.7
40°	2551.2	2574.6	2740.2	3077.4	3616.1	4555.0	6040.0	7050.6	6782.5	6025.2	5904.1
42.5°	2332.5	2353.5	2505.4	2819.2	3365.3	4337.6	5998.0	7349.6	7179.1	6284.6	6129.0
45°	2131.1	2149.6	2284.3	2577.1	3104.6	4073.2	5872.0	7670.8	7651.0	6469.9	6259.9
47.5°	1901.3	1919.9	2059.5	2342.4	2844.0	3763.1	5658.3	7987.0	8307.0	6890.0	6647.8
50°	1620.9	1636.9	1780.2	2071.8	2573.4	3433.3	5361.8	8235.4	9134.7	7526.2	7222.3
52.5°	1288.6	1305.8	1445.4	1737.0	2252.2	3078.7	4971.4	8397.2	10091.0	8455.3	8080.9
55°	958.7	971.0	1092.1	1354.0	1854.4	2674.7	4482.1	8442.9	11175.7	9725.3	9257.1
57.5°	695.5	703.0	780.8	976.0	1405.9	2169.4	3887.9	8324.3	12466.7	11353.6	10764.3
60°	563.4	565.8	589.3	675.8	977.2	1598.6	3170.1	7916.6	13867.7	13452.6	12710.1
62.5°	511.5	511.5	517.6	541.1	661.0	1055.1	2301.6	7071.6	15369.9	16105.0	15110.5
65°	475.6	475.6	478.1	489.2	521.4	672.1	1452.9	5695.3	16636.3	19212.1	17954.5
67.5°	443.5	444.8	443.5	447.2	465.8	496.6	842.6	3933.6	17318.2	22431.6	21073.9
70°	410.2	412.6	406.5	406.5	421.3	422.5	527.5	2157.1	16752.4	25129.8	24772.8
72.5°	370.6	374.3	364.5	362.0	373.1	368.2	396.6	1035.3	14382.8	25935.3	26874.2
75°	336.0	341.0	318.7	312.6	312.6	308.9	322.4	531.2	9334.9	21156.7	22629.3
77.5°	305.2	315.0	279.2	259.4	254.5	243.4	263.1	324.9	4083.1	9932.8	9726.5
80°	252.0	265.6	229.8	206.3	197.7	185.3	207.6	227.3	1214.4	2306.5	2208.9
82.5°	187.8	194.0	163.1	147.0	139.6	131.0	155.7	158.1	395.3	816.6	922.9
85°	119.8	122.3	100.1	86.5	82.8	79.1	98.8	86.5	150.7	600.4	872.2
87.5°	42.0	48.2	38.3	34.6	37.1	30.9	45.7	25.9	42.0	423.8	525.1
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)