

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: P953402

Luminaire Tested: **GALN-SB7A-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953402
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB7A-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27137 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

Input Watts (W): 199.1
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

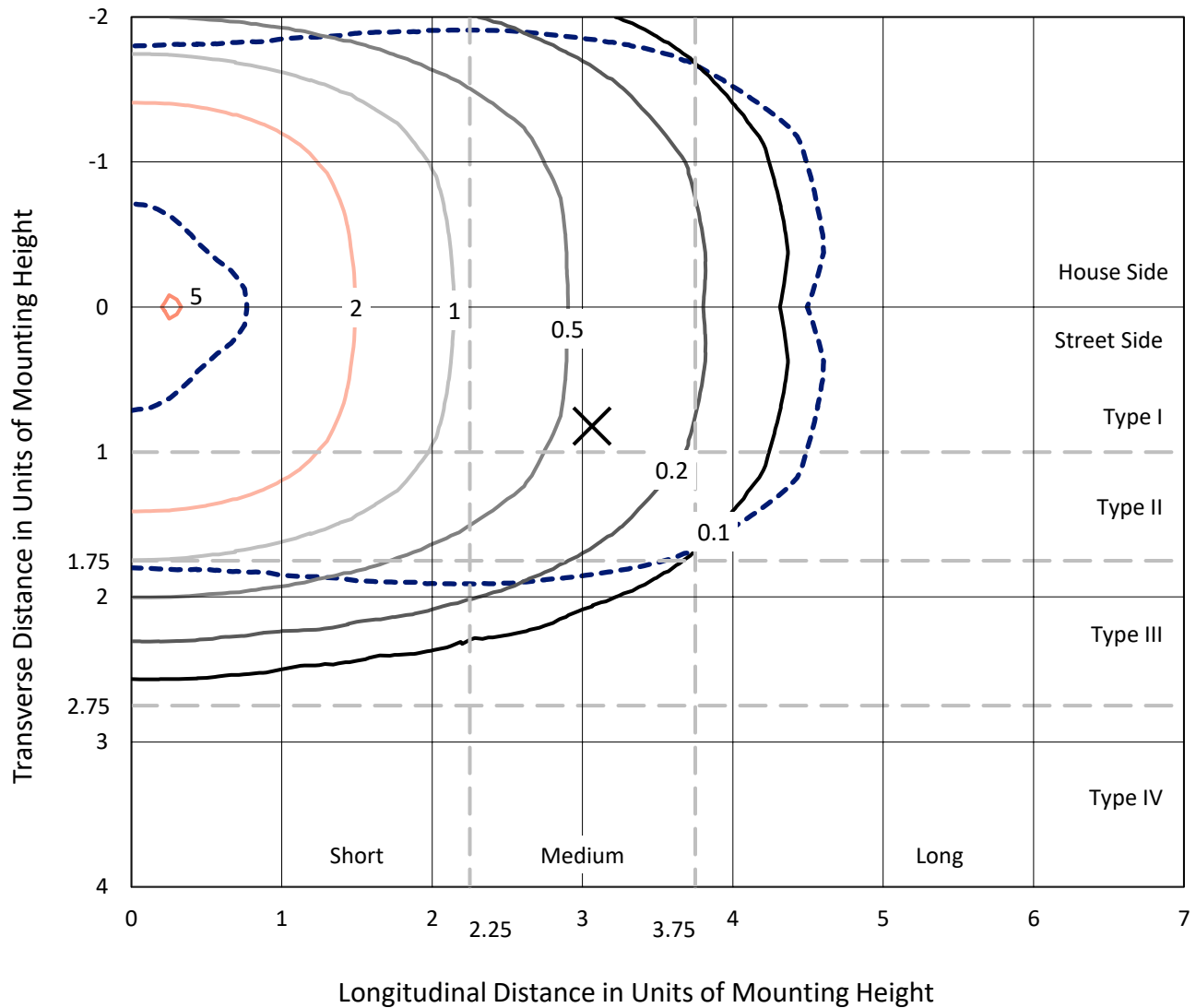


REPORT NUMBER: P953402

CATALOG NUMBER: GALN-SB7A-722-U-RW

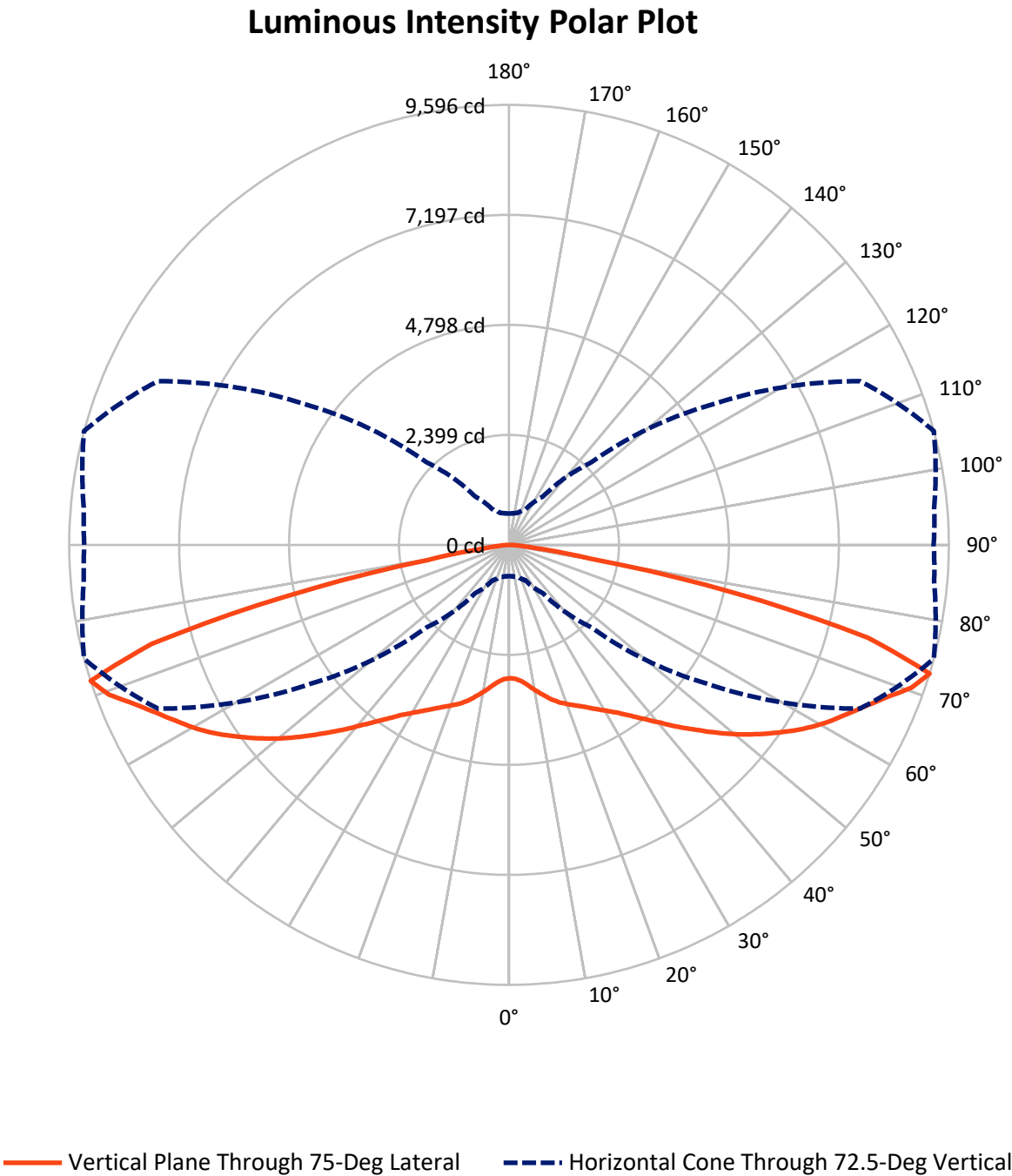
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
Type III - Medium - N/A

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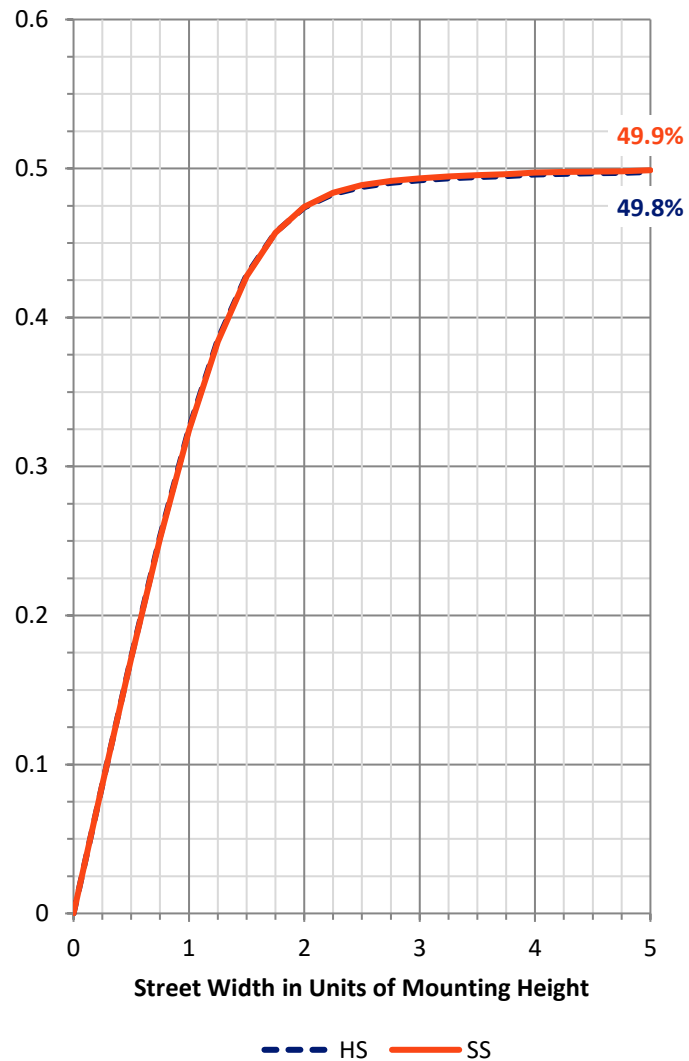
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13568.5	0.0	13568.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13568.5	0.0	13568.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27137.0	0.0	27137.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.8	1.0
10°-20°	939.2	3.5
20°-30°	1814.8	6.7
30°-40°	3064.3	11.3
40°-50°	4859.7	17.9
50°-60°	6506.5	24.0
60°-70°	6192.1	22.8
70°-80°	3231.1	11.9
80°-90°	244.6	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°	27137.0	100.0
0°-180°	27137.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953402

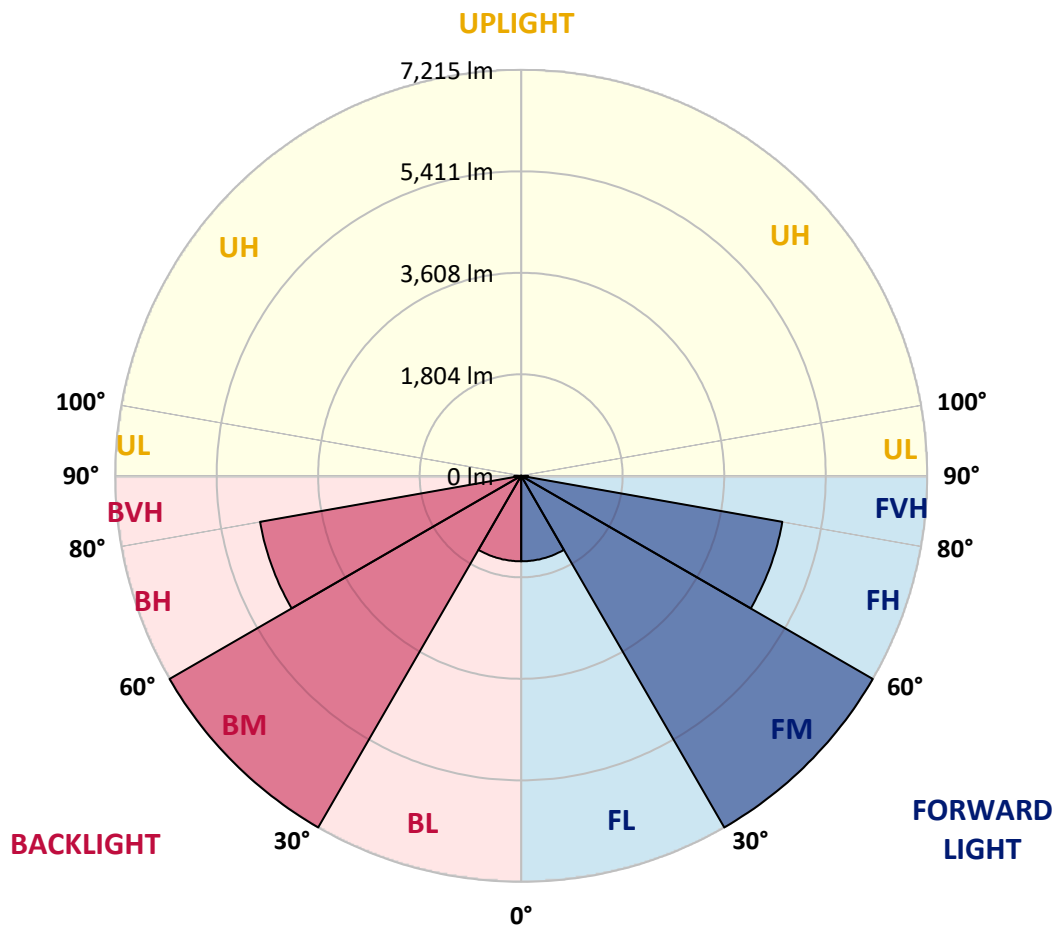
CATALOG NUMBER: GALN-SB7A-722-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1519.3	5.6			
FM	(30°-60°)	7215.2	26.6			
FH	(60°-80°)	4711.6	17.4			G2/5000
FVH	(80°-90°)	122.3	0.5			G2/225
BL	(0°-30°)	1519.3	5.6	B3/2500		
BM	(30°-60°)	7215.2	26.6	B4/8500		
BH	(60°-80°)	4711.6	17.4	B4/5000		G4/5000
BVH	(80°-90°)	122.3	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 III Medium



REPORT NUMBER: P953402

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9
2.5°	2906.9	2904.1	2906.9	2909.6	2908.2	2908.2	2915.2	2919.3	2927.6	2926.3	2924.9
5°	2887.5	2886.1	2897.2	2909.6	2919.3	2936.0	2956.7	2972.0	2991.4	2995.5	2995.5
7.5°	2877.8	2873.6	2893.0	2915.2	2945.7	2987.2	3027.4	3069.0	3102.2	3113.3	3116.1
10°	2884.7	2886.1	2912.4	2954.0	3002.5	3060.7	3117.5	3188.1	3235.2	3246.3	3257.4
12.5°	2916.6	2913.8	2958.1	3024.6	3091.1	3164.6	3231.1	3308.7	3359.9	3386.3	3397.3
15°	2974.7	2969.2	3031.6	3129.9	3226.9	3312.8	3366.9	3440.3	3499.9	3533.1	3545.6
17.5°	3044.0	3046.8	3128.5	3256.0	3383.5	3480.5	3531.7	3569.1	3614.9	3644.0	3657.8
20°	3166.0	3171.5	3262.9	3414.0	3559.4	3670.3	3711.9	3698.0	3710.5	3732.6	3749.3
22.5°	3329.4	3332.2	3434.7	3598.2	3750.7	3872.6	3900.3	3843.5	3808.8	3824.1	3835.2
25°	3519.3	3537.3	3639.8	3807.5	3964.0	4080.4	4092.9	4007.0	3921.1	3925.2	3932.2
27.5°	3750.7	3767.3	3871.2	4037.5	4196.8	4297.9	4296.6	4181.6	4055.5	4023.6	4033.3
30°	4001.4	4019.4	4126.1	4297.9	4446.2	4534.9	4515.5	4378.3	4198.2	4138.6	4145.5
32.5°	4299.3	4310.4	4418.5	4590.3	4727.5	4798.1	4757.9	4588.9	4364.4	4296.6	4313.2
35°	4659.6	4676.2	4756.6	4918.7	5039.2	5097.4	5029.5	4830.0	4577.8	4501.6	4512.7
37.5°	5071.1	5060.0	5151.4	5295.5	5395.3	5431.3	5338.5	5101.6	4821.7	4731.6	4748.2
40°	5500.6	5495.0	5594.8	5733.4	5787.4	5809.6	5672.4	5413.3	5102.9	5005.9	5037.8
42.5°	5889.9	5885.8	6020.2	6174.0	6239.1	6214.1	6040.9	5744.4	5428.5	5317.7	5345.4
45°	6201.7	6196.1	6361.0	6577.1	6704.6	6663.1	6430.3	6110.2	5758.3	5643.3	5669.6
47.5°	6441.4	6444.1	6621.5	6888.9	7112.0	7127.2	6827.9	6482.9	6121.3	5991.1	6029.9
50°	6614.6	6622.9	6812.7	7109.2	7414.0	7548.4	7233.9	6865.3	6496.8	6349.9	6394.3
52.5°	6657.5	6672.8	6901.4	7249.1	7608.0	7864.3	7646.8	7232.5	6852.9	6712.9	6749.0
55°	6428.9	6459.4	6749.0	7238.0	7727.1	8072.1	8009.8	7605.2	7211.7	7067.6	7107.8
57.5°	5903.8	5946.7	6284.8	6923.5	7700.8	8214.9	8291.1	7962.7	7570.6	7432.0	7463.9
60°	5168.1	5219.3	5543.5	6240.5	7329.5	8267.5	8489.2	8310.5	7900.3	7765.9	7795.0
62.5°	4058.2	4124.7	4512.7	5330.2	6545.3	8022.3	8658.2	8625.0	8196.8	8029.2	8048.6
65°	2603.4	2674.1	3082.8	4048.5	5499.2	7271.3	8710.9	8931.2	8510.0	8275.8	8304.9
67.5°	1569.8	1601.7	1804.0	2453.8	4019.4	6139.3	8264.7	9270.6	8875.8	8584.8	8607.0
70°	1004.5	1022.5	1143.1	1441.0	2272.3	4479.4	7159.1	9334.4	9319.1	8902.1	8899.3
72.5°	681.7	687.2	719.1	853.5	1285.8	2545.2	5280.3	8450.4	9596.2	9310.8	9266.5
75°	498.8	529.3	580.5	604.1	730.2	1271.9	3026.0	5937.0	8087.4	8212.1	7910.0
77.5°	371.3	372.7	443.4	471.1	521.0	677.5	1280.2	3314.2	5021.2	5272.0	4702.5
80°	314.5	297.9	296.5	379.6	392.1	422.6	572.2	1144.5	1798.4	1090.4	824.4
82.5°	261.9	243.9	220.3	296.5	267.4	259.1	248.0	465.5	572.2	281.3	239.7
85°	182.9	174.6	166.3	194.0	152.4	130.2	119.2	217.5	241.1	119.2	105.3
87.5°	79.0	81.7	83.1	85.9	63.7	45.7	45.7	61.0	61.0	47.1	34.6
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)