

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: P951974

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951974
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-SB6A-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 23140 lumens
Efficiency: N/A
Efficacy: 135.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
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

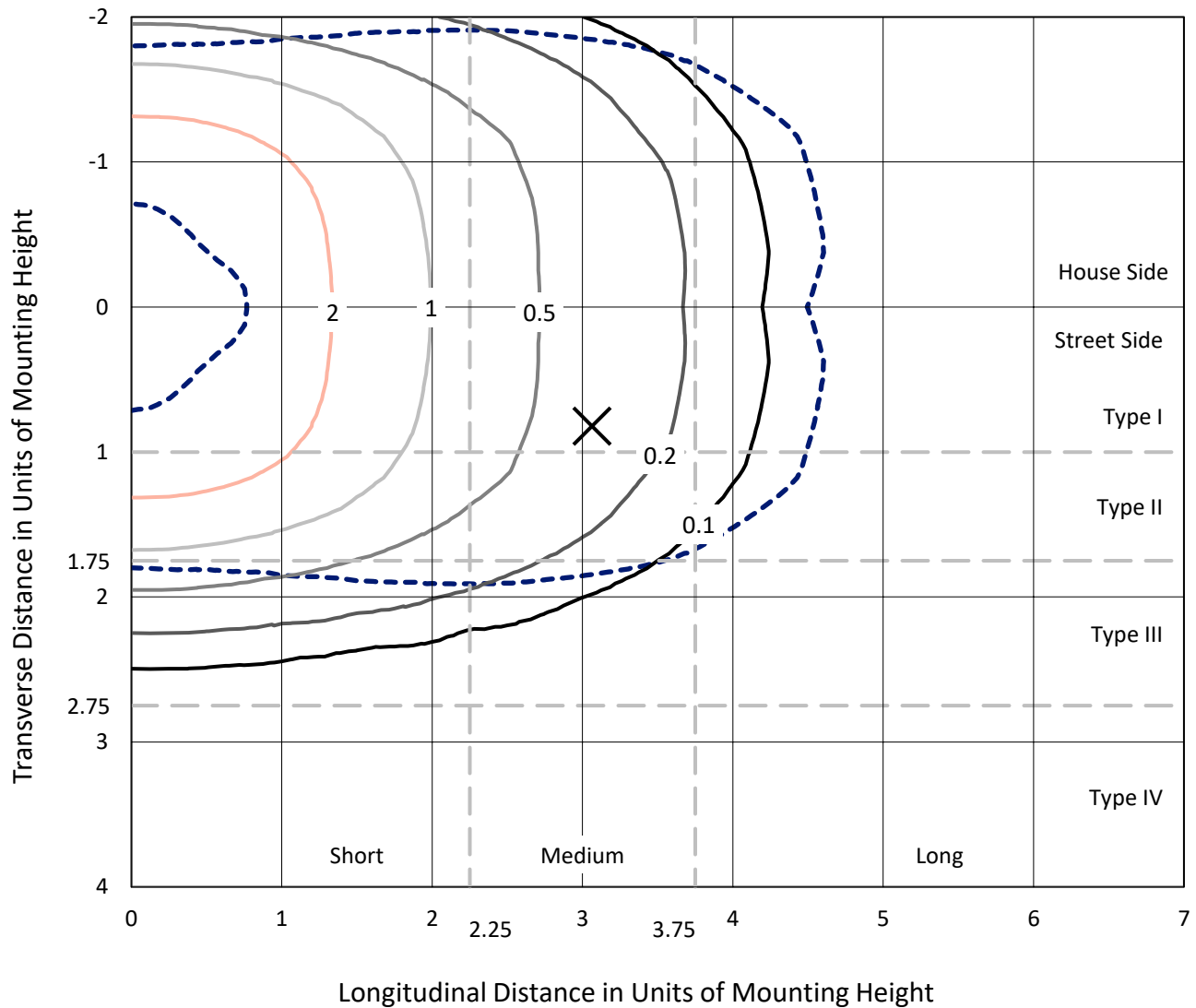


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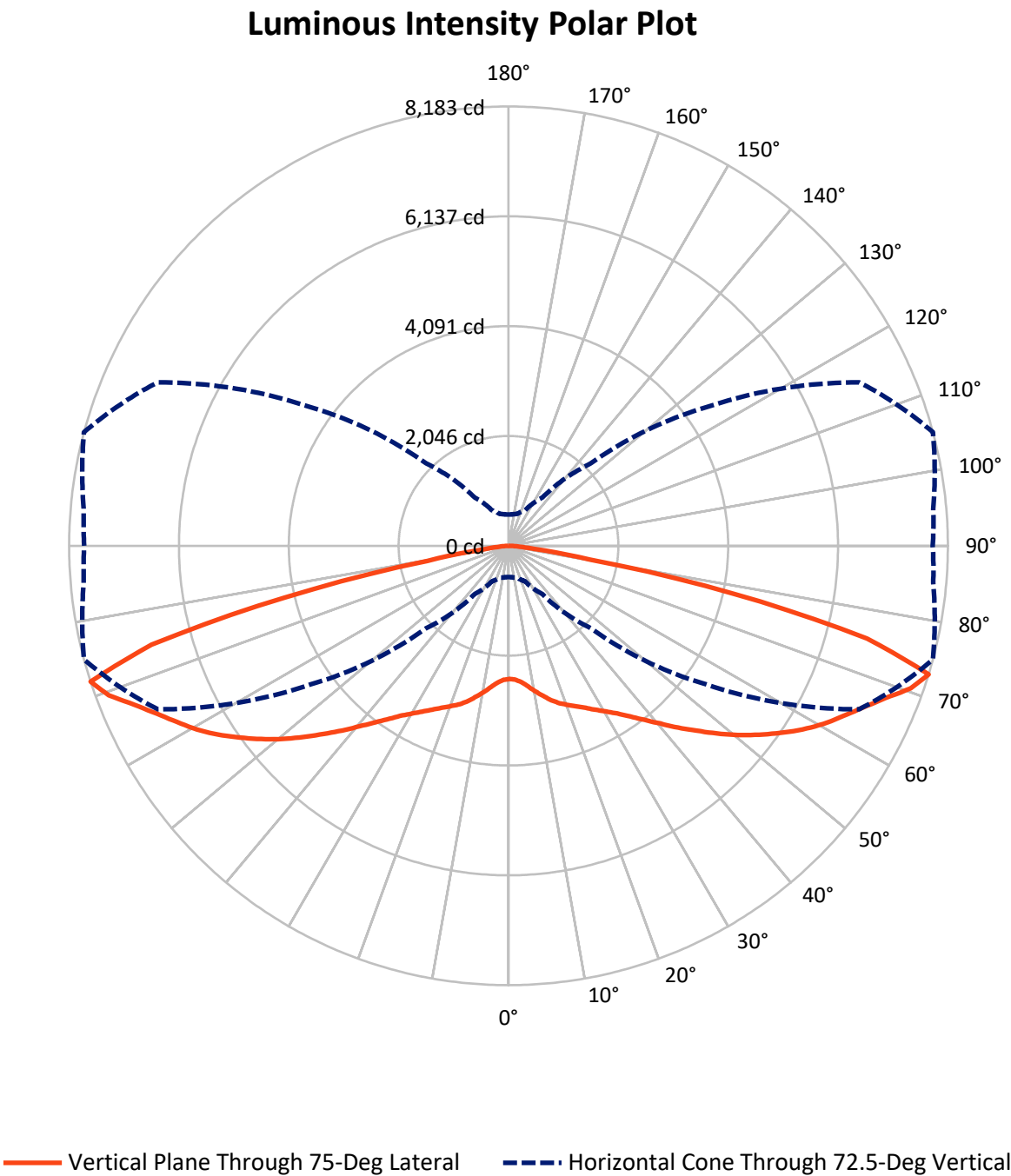
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11570.0	0.0	11570.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11570.0	0.0	11570.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23140.0	0.0	23140.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.8	1.0
10°-20°	800.8	3.5
20°-30°	1547.5	6.7
30°-40°	2613.0	11.3
40°-50°	4143.9	17.9
50°-60°	5548.2	24.0
60°-70°	5280.1	22.8
70°-80°	2755.2	11.9
80°-90°	208.6	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°	23140.0	100.0
0°-180°	23140.0	100.0

Coefficient of Utilization



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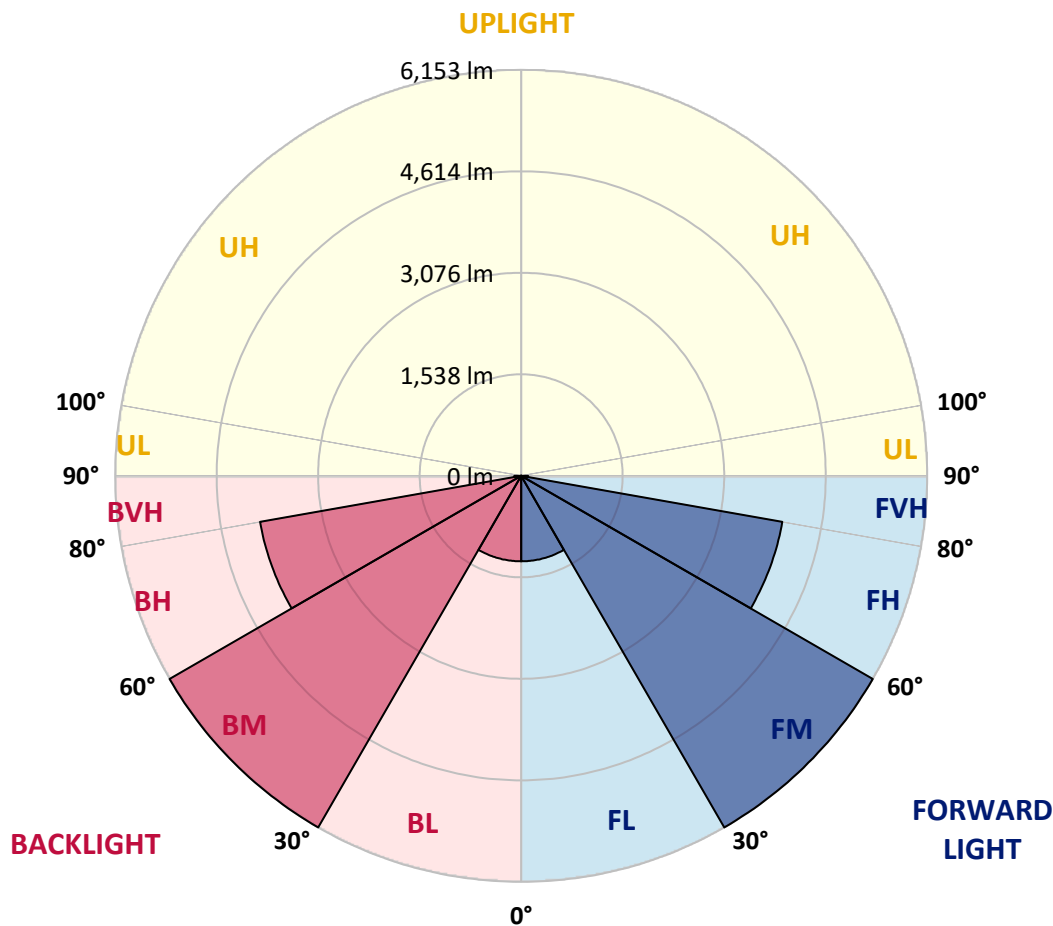
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1295.6	5.6			
FM	(30°-60°)	6152.5	26.6			
FH	(60°-80°)	4017.7	17.4			G2/5000
FVH	(80°-90°)	104.3	0.5			G2/225
BL	(0°-30°)	1295.6	5.6	B3/2500		
BM	(30°-60°)	6152.5	26.6	B4/8500		
BH	(60°-80°)	4017.7	17.4	B4/5000		G4/5000
BVH	(80°-90°)	104.3	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2478.7	2478.7	2478.7	2478.7	2478.7	2478.7	2478.7	2478.7	2478.7	2478.7	2478.7
2.5°	2478.7	2476.3	2478.7	2481.1	2479.9	2479.9	2485.8	2489.3	2496.4	2495.2	2494.1
5°	2462.2	2461.0	2470.4	2481.1	2489.3	2503.5	2521.2	2534.2	2550.8	2554.3	2554.3
7.5°	2453.9	2450.4	2466.9	2485.8	2511.8	2547.2	2581.5	2616.9	2645.3	2654.7	2657.1
10°	2459.8	2461.0	2483.4	2518.9	2560.2	2609.9	2658.3	2718.5	2758.7	2768.2	2777.6
12.5°	2487.0	2484.6	2522.4	2579.1	2635.8	2698.5	2755.2	2821.3	2865.0	2887.5	2896.9
15°	2536.6	2531.9	2585.0	2668.9	2751.6	2824.9	2871.0	2933.6	2984.4	3012.7	3023.4
17.5°	2595.7	2598.0	2667.7	2776.4	2885.1	2967.8	3011.5	3043.4	3082.4	3107.2	3119.1
20°	2699.6	2704.4	2782.3	2911.1	3035.2	3129.7	3165.1	3153.3	3164.0	3182.9	3197.0
22.5°	2839.1	2841.4	2928.8	3068.3	3198.2	3302.2	3325.8	3277.4	3247.8	3260.8	3270.3
25°	3000.9	3016.3	3103.7	3246.7	3380.2	3479.4	3490.0	3416.8	3343.5	3347.1	3353.0
27.5°	3198.2	3212.4	3301.0	3442.8	3578.6	3664.9	3663.7	3565.7	3458.1	3431.0	3439.2
30°	3412.1	3427.4	3518.4	3664.9	3791.3	3866.9	3850.4	3733.4	3579.8	3529.0	3534.9
32.5°	3666.1	3675.5	3767.7	3914.2	4031.1	4091.4	4057.1	3913.0	3721.6	3663.7	3677.9
35°	3973.3	3987.4	4056.0	4194.2	4297.0	4346.6	4288.7	4118.6	3903.6	3838.6	3848.0
37.5°	4324.2	4314.7	4392.7	4515.5	4600.6	4631.3	4552.2	4350.1	4111.5	4034.7	4048.9
40°	4690.4	4685.7	4770.7	4888.9	4935.0	4953.9	4836.9	4616.0	4351.3	4268.6	4295.8
42.5°	5022.4	5018.9	5133.5	5264.6	5320.1	5298.9	5151.2	4898.3	4629.0	4534.5	4558.1
45°	5288.2	5283.5	5424.1	5608.4	5717.1	5681.7	5483.2	5210.2	4910.2	4812.1	4834.5
47.5°	5492.6	5495.0	5646.2	5874.2	6064.4	6077.4	5822.2	5528.1	5219.7	5108.6	5141.7
50°	5640.3	5647.4	5809.3	6062.1	6322.0	6436.6	6168.4	5854.1	5539.9	5414.6	5452.4
52.5°	5676.9	5689.9	5884.9	6181.4	6487.4	6706.0	6520.5	6167.2	5843.5	5724.2	5754.9
55°	5482.0	5508.0	5754.9	6172.0	6589.0	6883.2	6830.0	6485.0	6149.5	6026.6	6060.9
57.5°	5034.2	5070.8	5359.1	5903.8	6566.6	7004.9	7069.9	6789.9	6455.5	6337.4	6364.5
60°	4406.9	4450.6	4727.0	5321.3	6249.9	7049.8	7238.8	7086.4	6736.7	6622.1	6646.9
62.5°	3460.5	3517.2	3848.0	4545.1	5581.2	6840.7	7383.0	7354.6	6989.5	6846.6	6863.1
65°	2220.0	2280.2	2628.8	3452.2	4689.2	6200.3	7427.9	7615.7	7256.5	7056.9	7081.7
67.5°	1338.6	1365.8	1538.3	2092.4	3427.4	5235.1	7047.4	7905.2	7568.4	7320.3	7339.2
70°	856.6	871.9	974.7	1228.7	1937.6	3819.7	6104.6	7959.5	7946.5	7590.9	7588.5
72.5°	581.3	586.0	613.2	727.8	1096.4	2170.3	4502.6	7205.7	8182.8	7939.4	7901.6
75°	425.3	451.3	495.0	515.1	622.6	1084.6	2580.3	5062.6	6896.2	7002.5	6745.0
77.5°	316.6	317.8	378.1	401.7	444.2	577.7	1091.7	2826.1	4281.6	4495.5	4009.9
80°	268.2	254.0	252.8	323.7	334.4	360.3	487.9	975.9	1533.5	929.8	703.0
82.5°	223.3	207.9	187.9	252.8	228.0	220.9	211.5	397.0	487.9	239.8	204.4
85°	156.0	148.9	141.8	165.4	130.0	111.1	101.6	185.5	205.6	101.6	89.8
87.5°	67.3	69.7	70.9	73.3	54.3	39.0	39.0	52.0	52.0	40.2	29.5
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)