

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: P951995

Luminaire Tested: **GALN-SB6A-727-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951995
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-727-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25981 lumens
Efficiency: N/A
Efficacy: 152.0 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

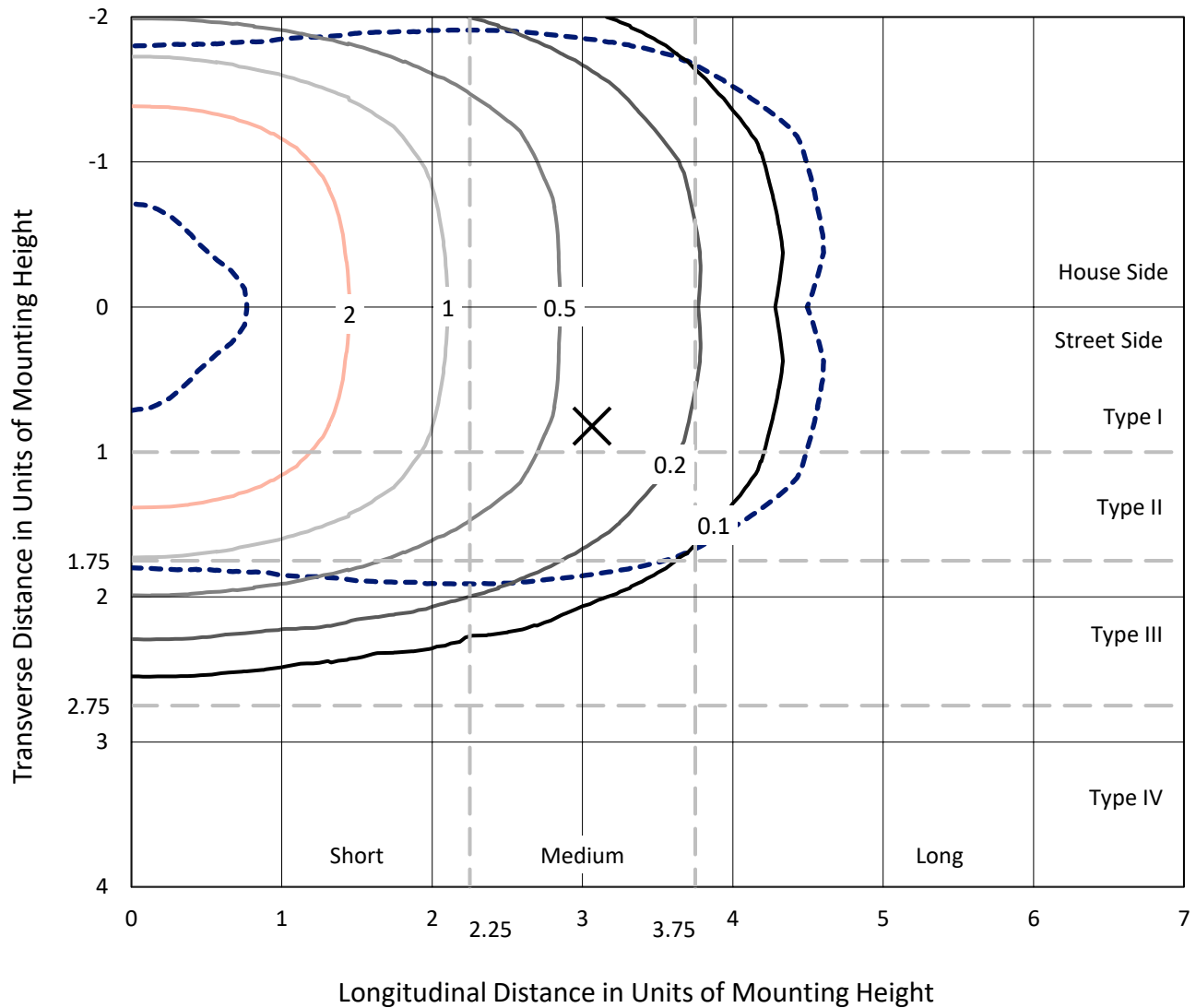


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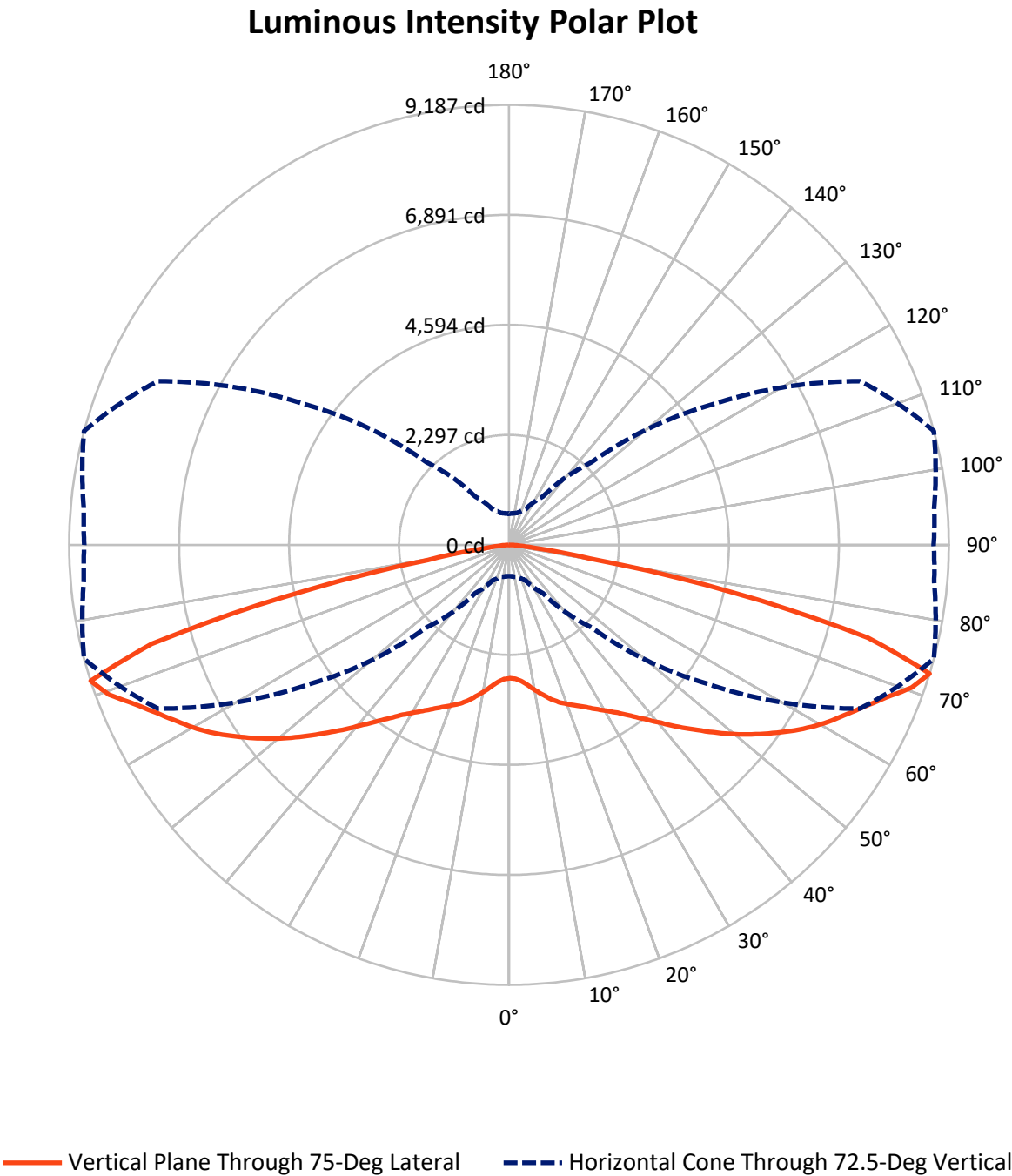
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
Type III - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12990.5	0.0	12990.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12990.5	0.0	12990.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25981.0	0.0	25981.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.6	1.0
10°-20°	899.2	3.5
20°-30°	1737.4	6.7
30°-40°	2933.8	11.3
40°-50°	4652.6	17.9
50°-60°	6229.3	24.0
60°-70°	5928.3	22.8
70°-80°	3093.5	11.9
80°-90°	234.2	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°	25981.0	100.0
0°-180°	25981.0	100.0

Coefficient of Utilization



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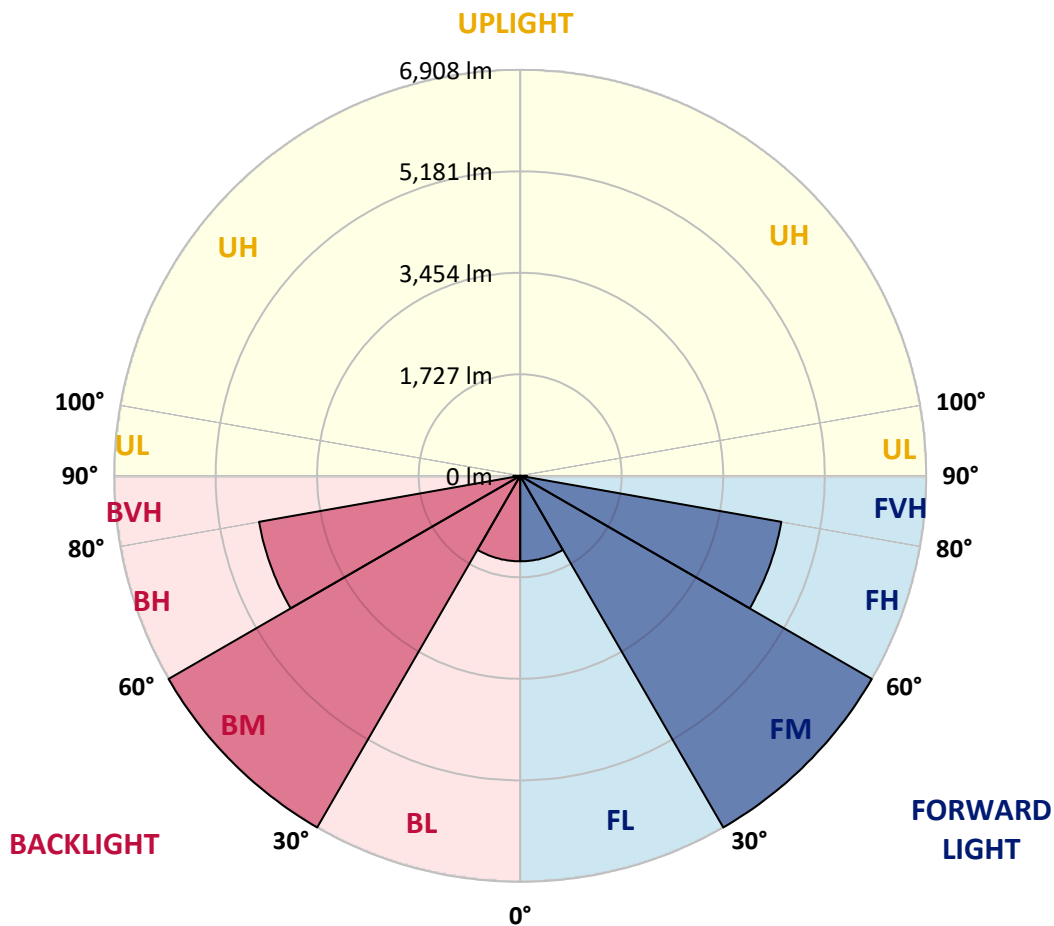
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1454.6	5.6			
FM	(30°-60°)	6907.9	26.6			
FH	(60°-80°)	4510.9	17.4			G2/5000
FVH	(80°-90°)	117.1	0.5			G2/225
BL	(0°-30°)	1454.6	5.6	B3/2500		
BM	(30°-60°)	6907.9	26.6	B4/8500		
BH	(60°-80°)	4510.9	17.4	B4/5000		G4/5000
BVH	(80°-90°)	117.1	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°	2783.0	2783.0	2783.0	2783.0	2783.0	2783.0	2783.0	2783.0	2783.0	2783.0	2783.0
2.5°	2783.0	2780.4	2783.0	2785.7	2784.4	2784.4	2791.0	2795.0	2802.9	2801.6	2800.3
5°	2764.5	2763.1	2773.7	2785.7	2795.0	2810.9	2830.8	2845.4	2863.9	2867.9	2867.9
7.5°	2755.2	2751.2	2769.8	2791.0	2820.2	2860.0	2898.4	2938.2	2970.1	2980.7	2983.3
10°	2761.8	2763.1	2788.3	2828.1	2874.6	2930.3	2984.7	3052.3	3097.4	3108.0	3118.6
12.5°	2792.3	2789.7	2832.1	2895.8	2959.5	3029.8	3093.4	3167.7	3216.8	3242.0	3252.6
15°	2848.0	2842.7	2902.4	2996.6	3089.5	3171.7	3223.4	3293.7	3350.8	3382.6	3394.6
17.5°	2914.4	2917.0	2995.3	3117.3	3239.4	3332.2	3381.3	3417.1	3460.9	3488.7	3502.0
20°	3031.1	3036.4	3123.9	3268.5	3407.8	3513.9	3553.7	3540.5	3552.4	3573.6	3589.6
22.5°	3187.6	3190.3	3288.4	3445.0	3590.9	3707.6	3734.1	3679.8	3646.6	3661.2	3671.8
25°	3369.4	3386.6	3484.8	3645.3	3795.2	3906.6	3918.5	3836.3	3754.0	3758.0	3764.7
27.5°	3590.9	3606.8	3706.3	3865.5	4018.0	4114.9	4113.5	4003.4	3882.7	3852.2	3861.5
30°	3831.0	3848.2	3950.4	4114.9	4256.8	4341.7	4323.1	4191.8	4019.3	3962.3	3968.9
32.5°	4116.2	4126.8	4230.3	4394.7	4526.1	4593.7	4555.3	4393.4	4178.5	4113.5	4129.4
35°	4461.1	4477.0	4553.9	4709.1	4824.5	4880.3	4815.3	4624.2	4382.8	4309.8	4320.5
37.5°	4855.0	4844.4	4932.0	5069.9	5165.5	5199.9	5111.1	4884.2	4616.3	4530.1	4546.0
40°	5266.3	5261.0	5356.5	5489.1	5540.9	5562.1	5430.8	5182.7	4885.6	4792.7	4823.2
42.5°	5639.0	5635.0	5763.7	5911.0	5973.3	5949.4	5783.6	5499.7	5197.3	5091.2	5117.7
45°	5937.5	5932.2	6090.0	6297.0	6419.0	6379.2	6156.4	5849.9	5513.0	5402.9	5428.1
47.5°	6167.0	6169.6	6339.4	6595.4	6809.0	6823.6	6537.1	6206.8	5860.5	5735.9	5773.0
50°	6332.8	6340.7	6522.5	6806.4	7098.2	7226.9	6925.7	6572.9	6220.0	6079.4	6121.9
52.5°	6373.9	6388.5	6607.4	6940.3	7283.9	7529.3	7321.0	6924.4	6560.9	6427.0	6461.5
55°	6155.0	6184.2	6461.5	6929.7	7398.0	7728.3	7668.6	7281.2	6904.5	6766.6	6805.0
57.5°	5652.3	5693.4	6017.1	6628.6	7372.8	7864.9	7937.9	7623.5	7248.1	7115.4	7145.9
60°	4947.9	4997.0	5307.4	5974.6	7017.3	7915.3	8127.6	7956.4	7563.8	7435.1	7463.0
62.5°	3885.4	3949.0	4320.5	5103.1	6266.5	7680.5	8289.4	8257.6	7847.7	7687.2	7705.7
65°	2492.5	2560.2	2951.5	3876.1	5264.9	6961.6	8339.8	8550.7	8147.5	7923.3	7951.1
67.5°	1502.9	1533.5	1727.1	2349.3	3848.2	5877.8	7912.7	8875.7	8497.7	8219.1	8240.3
70°	961.7	979.0	1094.4	1379.6	2175.5	4288.6	6854.1	8936.7	8922.1	8522.9	8520.2
72.5°	652.6	658.0	688.5	817.1	1231.0	2436.8	5055.4	8090.4	9187.4	8914.2	8871.7
75°	477.5	506.7	555.8	578.4	699.1	1217.7	2897.1	5684.1	7742.9	7862.3	7573.1
77.5°	355.5	356.8	424.5	451.0	498.8	648.7	1225.7	3173.0	4807.3	5047.4	4502.2
80°	301.1	285.2	283.9	363.5	375.4	404.6	547.9	1095.7	1721.8	1044.0	789.3
82.5°	250.7	233.5	210.9	283.9	256.0	248.1	237.4	445.7	547.9	269.3	229.5
85°	175.1	167.1	159.2	185.7	145.9	124.7	114.1	208.3	230.8	114.1	100.8
87.5°	75.6	78.3	79.6	82.2	61.0	43.8	43.8	58.4	58.4	45.1	33.2
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)