

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: P952121

Luminaire Tested: **GALN-SB6A-827-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952121
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-827-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24358 lumens
Efficiency: N/A
Efficacy: 142.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

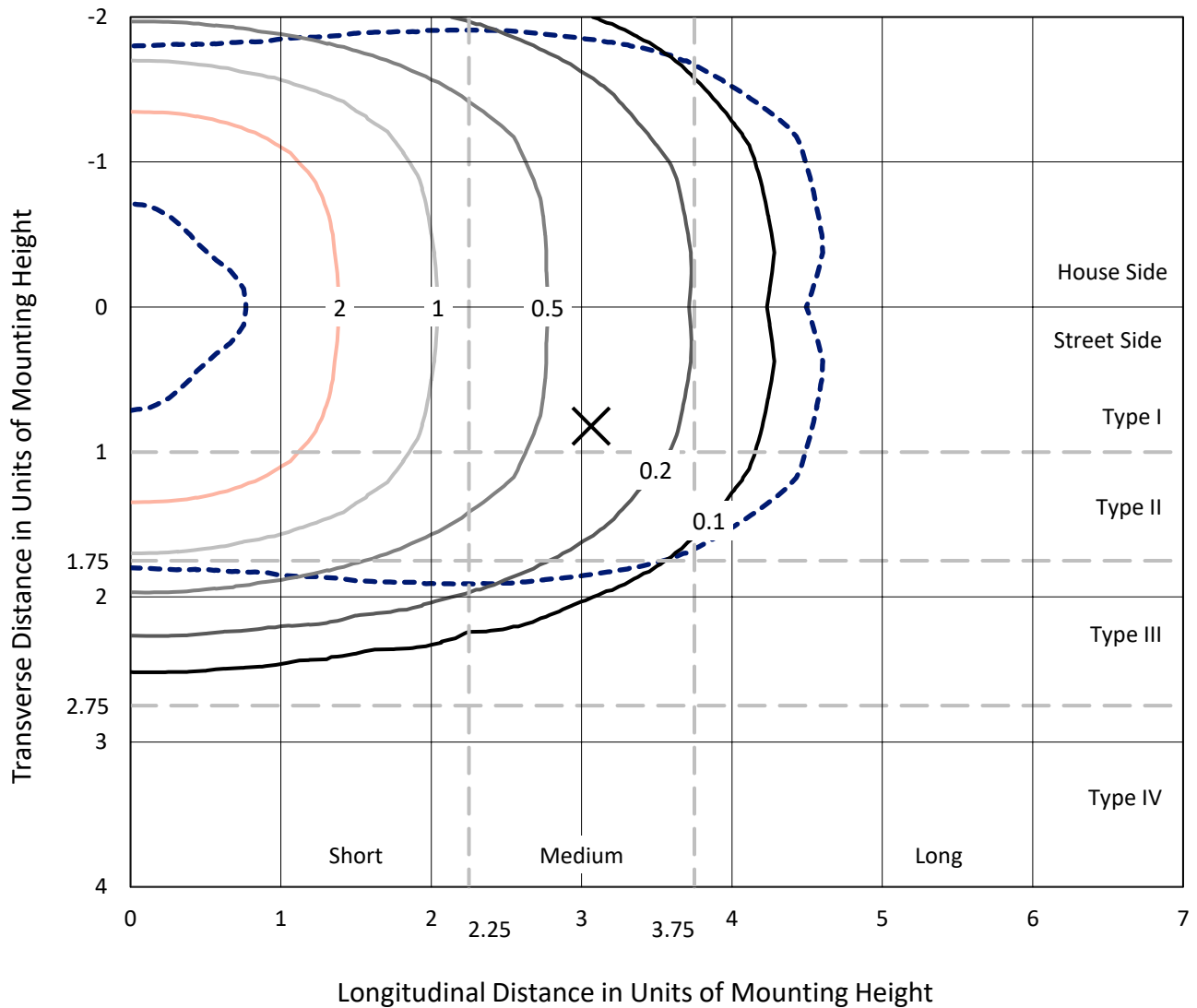
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

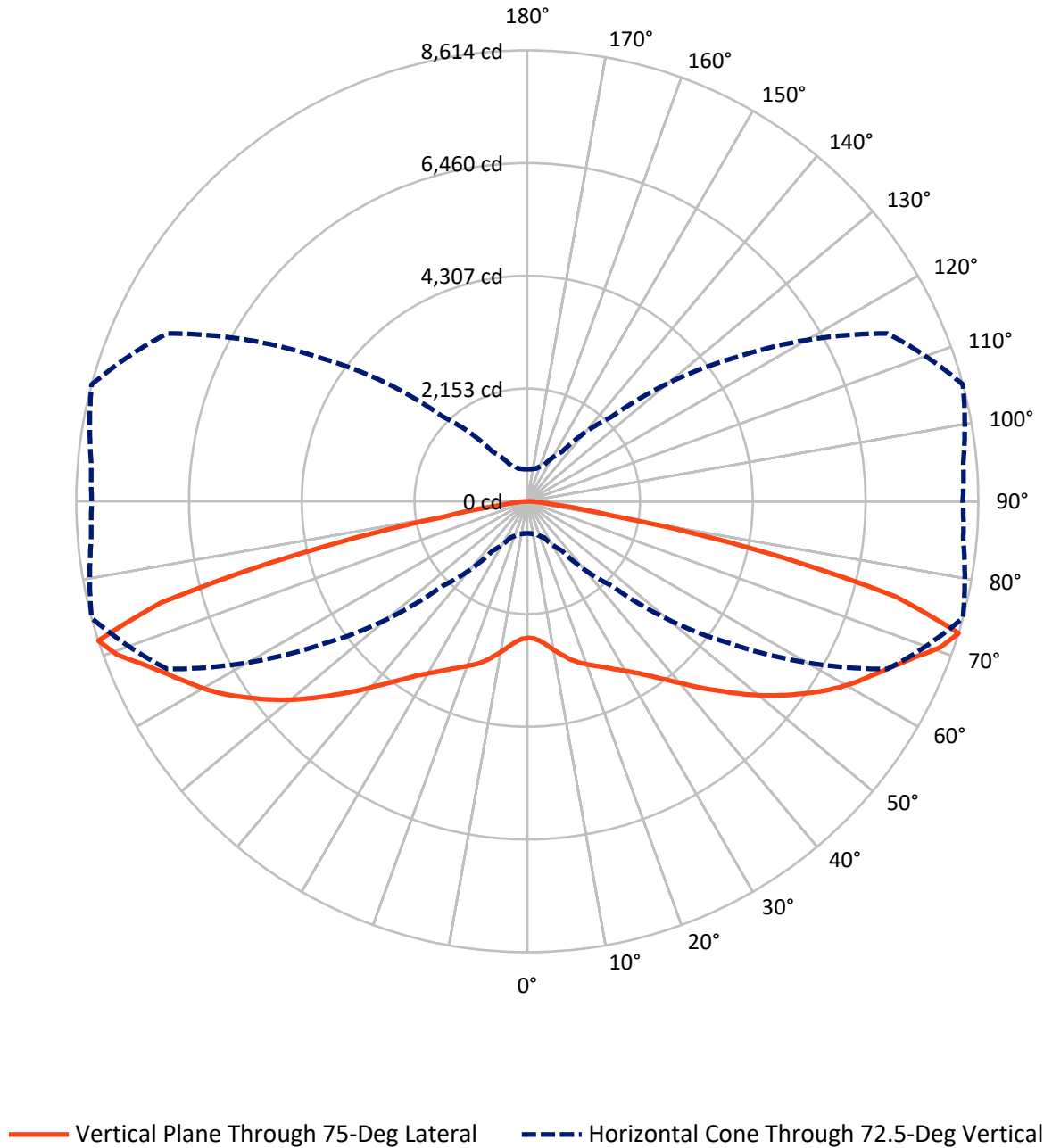
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12179.0	0.0	12179.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12179.0	0.0	12179.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24358.0	0.0	24358.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.6	1.0
10°-20°	843.0	3.5
20°-30°	1628.9	6.7
30°-40°	2750.5	11.3
40°-50°	4362.0	17.9
50°-60°	5840.2	24.0
60°-70°	5558.0	22.8
70°-80°	2900.3	11.9
80°-90°	219.5	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°	24358.0	100.0
0°-180°	24358.0	100.0

Coefficient of Utilization



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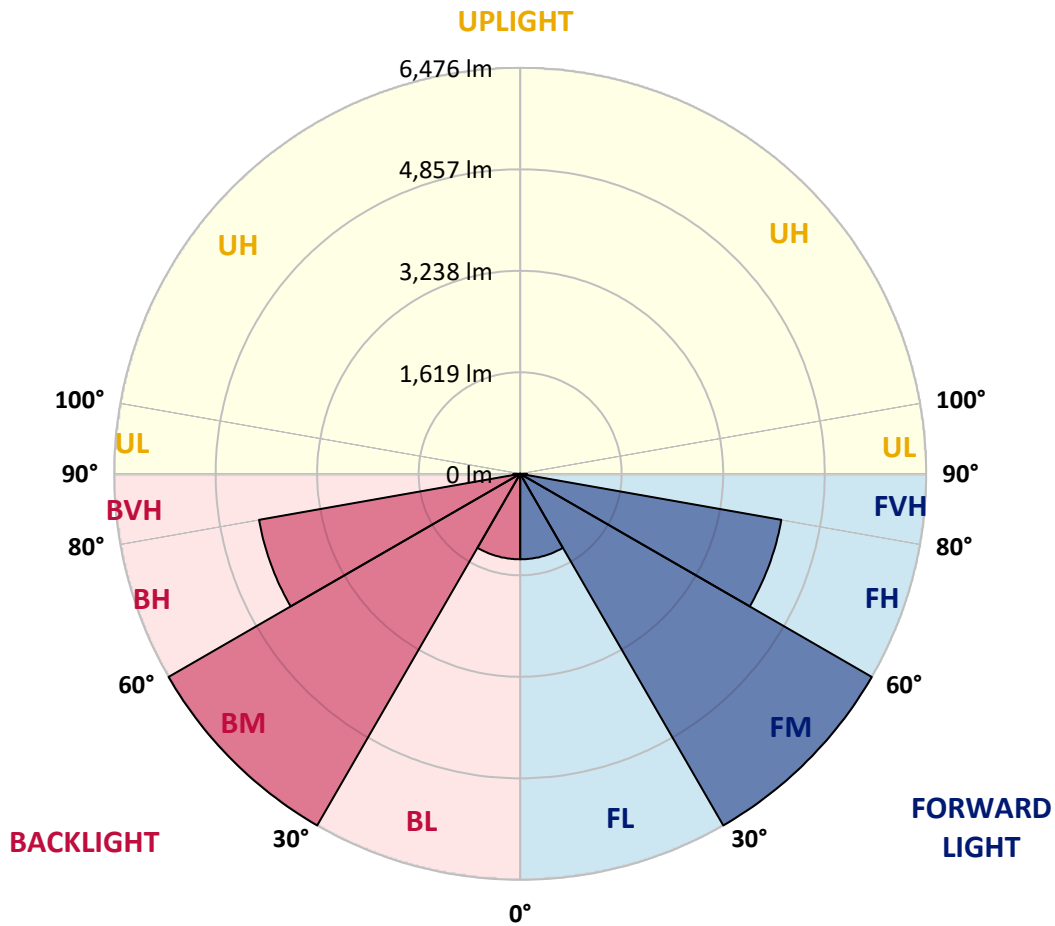
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1363.7	5.6			
FM (30°-60°)	6476.4	26.6			
FH (60°-80°)	4229.1	17.4			G2/5000
FVH (80°-90°)	109.8	0.5			G2/225
BL (0°-30°)	1363.7	5.6	B3/2500		
BM (30°-60°)	6476.4	26.6	B4/8500		
BH (60°-80°)	4229.1	17.4	B4/5000		G4/5000
BVH (80°-90°)	109.8	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°
0°	2609.2	2609.2	2609.2	2609.2	2609.2	2609.2	2609.2	2609.2	2609.2	2609.2
2.5°	2609.2	2606.7	2609.2	2611.7	2610.4	2610.4	2616.6	2620.4	2627.8	2626.6
5°	2591.8	2590.5	2600.5	2611.7	2620.4	2635.3	2653.9	2667.6	2685.0	2688.8
7.5°	2583.1	2579.3	2596.7	2616.6	2644.0	2681.3	2717.4	2754.7	2784.5	2794.5
10°	2589.3	2590.5	2614.2	2651.5	2695.0	2747.2	2798.2	2861.6	2903.9	2913.9
12.5°	2617.9	2615.4	2655.2	2714.9	2774.6	2840.5	2900.2	2969.8	3015.9	3039.5
15°	2670.1	2665.1	2721.1	2809.4	2896.5	2973.6	3022.1	3088.0	3141.5	3171.3
17.5°	2732.3	2734.8	2808.2	2922.6	3037.0	3124.0	3170.1	3203.6	3244.7	3270.8
20°	2841.7	2846.7	2928.8	3064.4	3194.9	3294.4	3331.7	3319.3	3330.5	3350.4
22.5°	2988.5	2991.0	3083.0	3229.8	3366.6	3476.0	3500.9	3449.9	3418.8	3432.5
25°	3158.9	3175.0	3267.1	3417.6	3558.1	3662.5	3673.7	3596.6	3519.5	3523.3
27.5°	3366.6	3381.5	3474.8	3624.0	3767.0	3857.8	3856.6	3753.3	3640.2	3611.6
30°	3591.7	3607.8	3703.6	3857.8	3990.9	4070.5	4053.1	3929.9	3768.3	3714.8
32.5°	3859.0	3869.0	3966.0	4120.2	4243.3	4306.8	4270.7	4119.0	3917.5	3856.6
35°	4182.4	4197.3	4269.5	4415.0	4523.2	4575.4	4514.4	4335.4	4109.0	4040.6
37.5°	4551.8	4541.8	4623.9	4753.2	4842.8	4875.1	4791.8	4579.1	4327.9	4247.1
40°	4937.3	4932.3	5021.9	5146.2	5194.7	5214.6	5091.5	4858.9	4580.4	4493.3
42.5°	5286.8	5283.0	5403.7	5541.7	5600.2	5577.8	5422.3	5156.2	4872.6	4773.1
45°	5566.6	5561.6	5709.6	5903.6	6018.0	5980.7	5771.8	5484.5	5168.6	5065.4
47.5°	5781.7	5784.2	5943.4	6183.4	6383.7	6397.3	6128.7	5819.0	5494.4	5377.5
50°	5937.2	5944.6	6115.0	6381.2	6654.8	6775.4	6493.1	6162.3	5831.5	5699.6
52.5°	5975.7	5989.4	6194.6	6506.8	6828.9	7059.0	6863.7	6491.9	6151.1	6025.5
55°	5770.5	5797.9	6057.8	6496.8	6935.8	7245.5	7189.5	6826.4	6473.2	6343.9
57.5°	5299.2	5337.7	5641.2	6214.5	6912.2	7373.6	7442.0	7147.3	6795.3	6670.9
60°	4638.8	4684.8	4975.8	5601.4	6578.9	7420.9	7619.8	7459.4	7091.3	6970.7
62.5°	3642.7	3702.3	4050.6	4784.3	5875.0	7200.7	7771.6	7741.7	7357.4	7207.0
65°	2336.8	2400.2	2767.1	3633.9	4936.0	6526.7	7818.8	8016.6	7638.5	7428.3
67.5°	1409.1	1437.7	1619.2	2202.5	3607.8	5510.6	7418.4	8321.3	7966.8	7705.7
70°	901.6	917.8	1026.0	1293.4	2039.6	4020.7	6425.9	8378.5	8364.8	7990.5
72.5°	611.9	616.9	645.5	766.1	1154.1	2284.6	4739.6	7585.0	8613.5	8357.3
75°	447.7	475.1	521.1	542.2	655.4	1141.7	2716.1	5329.0	7259.2	7371.1
77.5°	333.3	334.5	398.0	422.8	467.6	608.1	1149.1	2974.8	4507.0	4732.1
80°	282.3	267.4	266.1	340.8	352.0	379.3	513.6	1027.3	1614.3	978.8
82.5°	235.0	218.9	197.7	266.1	240.0	232.6	222.6	417.9	513.6	252.5
85°	164.2	156.7	149.2	174.1	136.8	116.9	107.0	195.3	216.4	107.0
87.5°	70.9	73.4	74.6	77.1	57.2	41.0	41.0	54.7	54.7	42.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2609.2
2625.3
2688.8
2797.0
2923.8
3049.4
3182.5
3283.2
3365.3
3442.4
3529.5
3620.3
3721.0
3871.5
4050.6
4262.0
4521.9
4798.0
5089.0
5412.4
5739.4
6057.8
6379.9
6699.5
6996.8
7224.4
7454.4
7725.6
7988.0
8317.5
7100.0
4220.9
740.0
215.2
94.5
31.1
0.0

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