

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: P948446

Luminaire Tested: **GALN-SB3C-730-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948446
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-SB3C-730-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23139 lumens
Efficiency: N/A
Efficacy: 155.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

Input Watts (W): 149.1
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

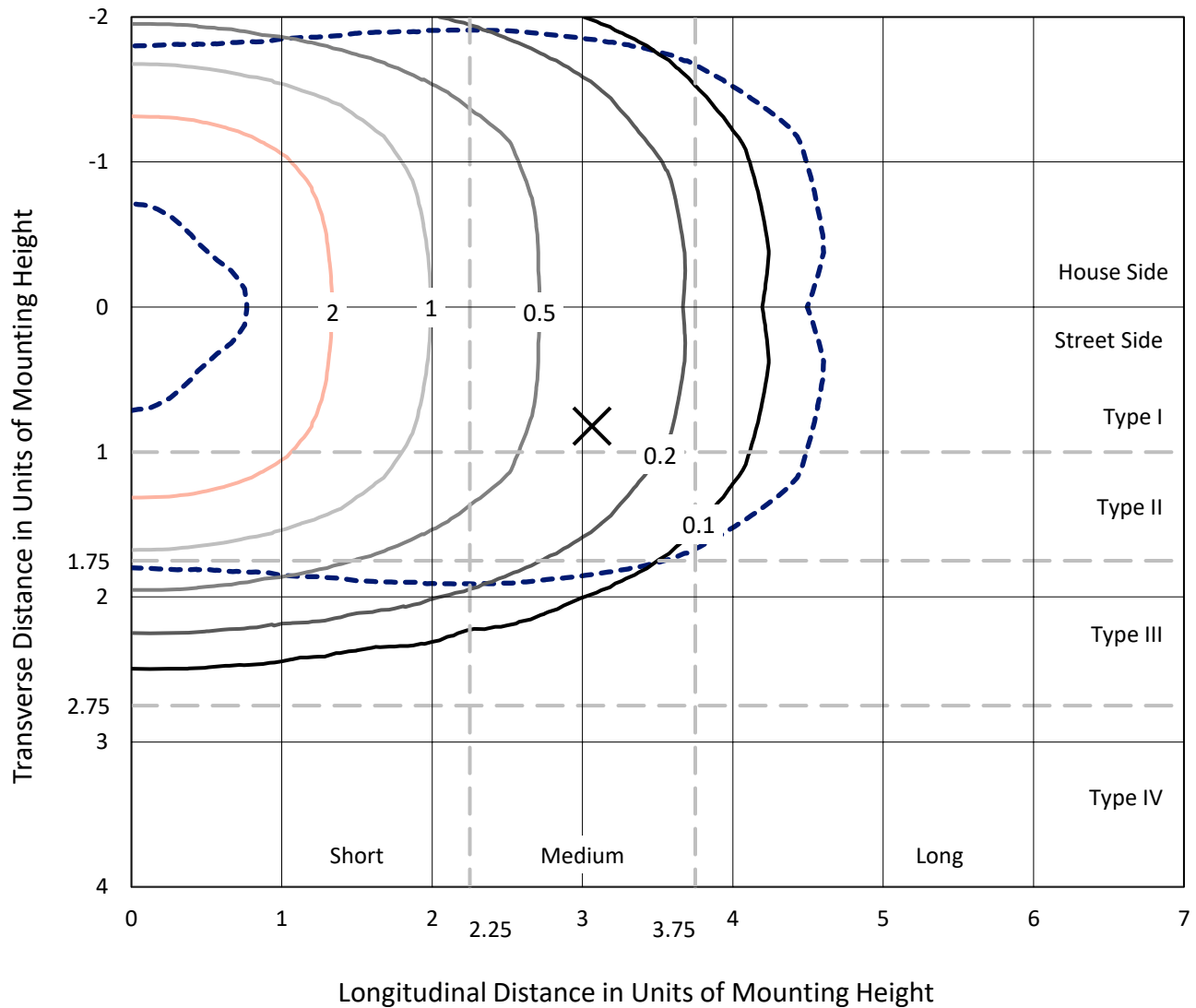


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

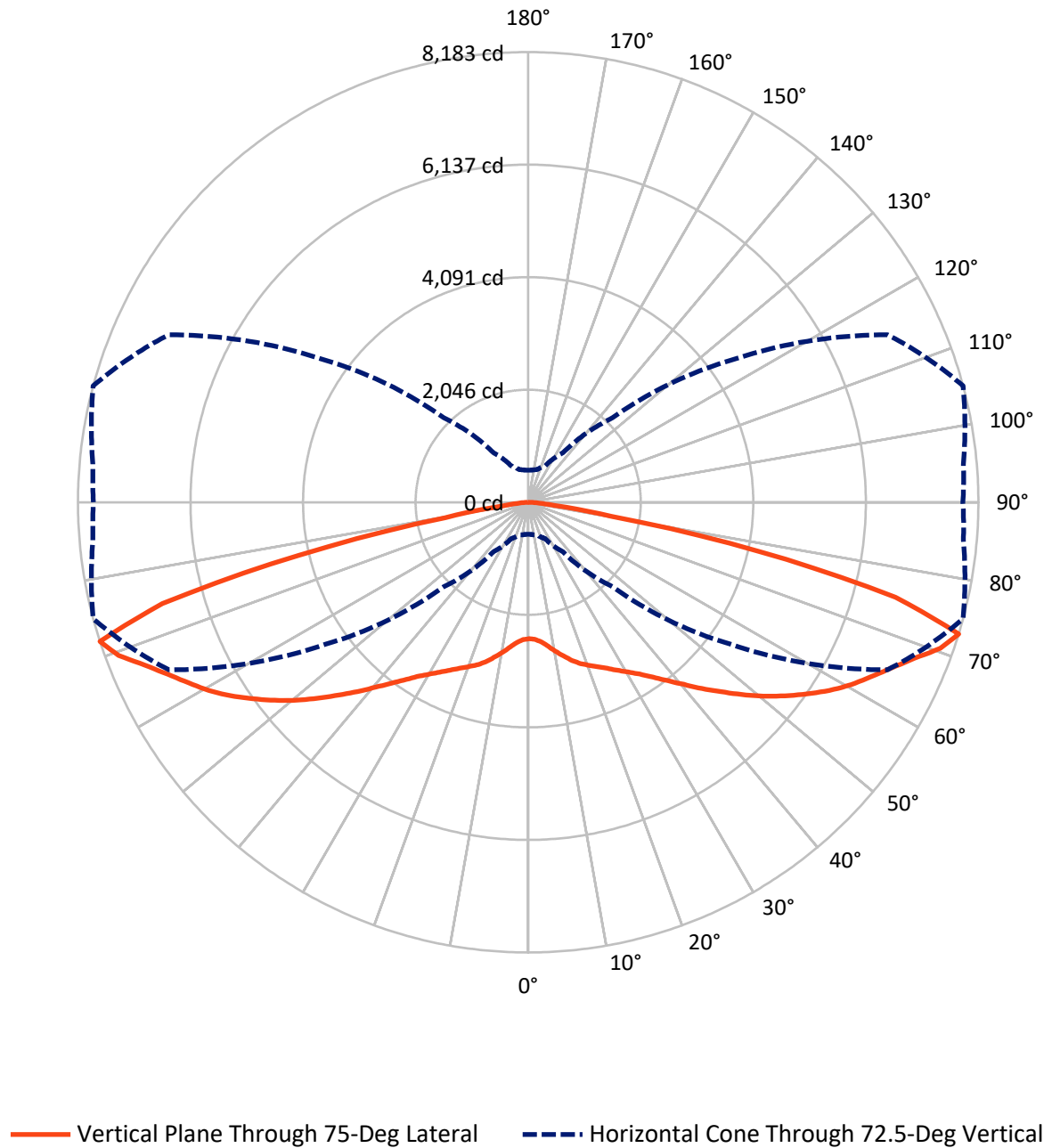


Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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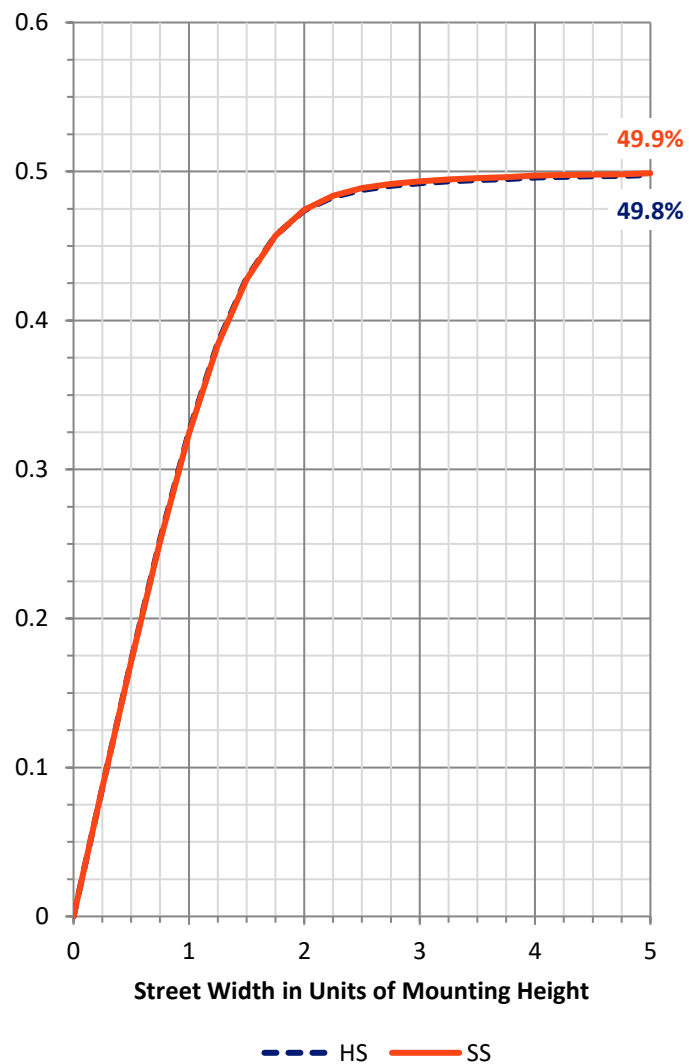
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11569.5	0.0	11569.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11569.5	0.0	11569.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23139.0	0.0	23139.0
	% 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°	1547.4	6.7
30°-40°	2612.9	11.3
40°-50°	4143.7	17.9
50°-60°	5547.9	24.0
60°-70°	5279.9	22.8
70°-80°	2755.1	11.9
80°-90°	208.5	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°	23139.0	100.0
0°-180°	23139.0	100.0

Coefficient of Utilization



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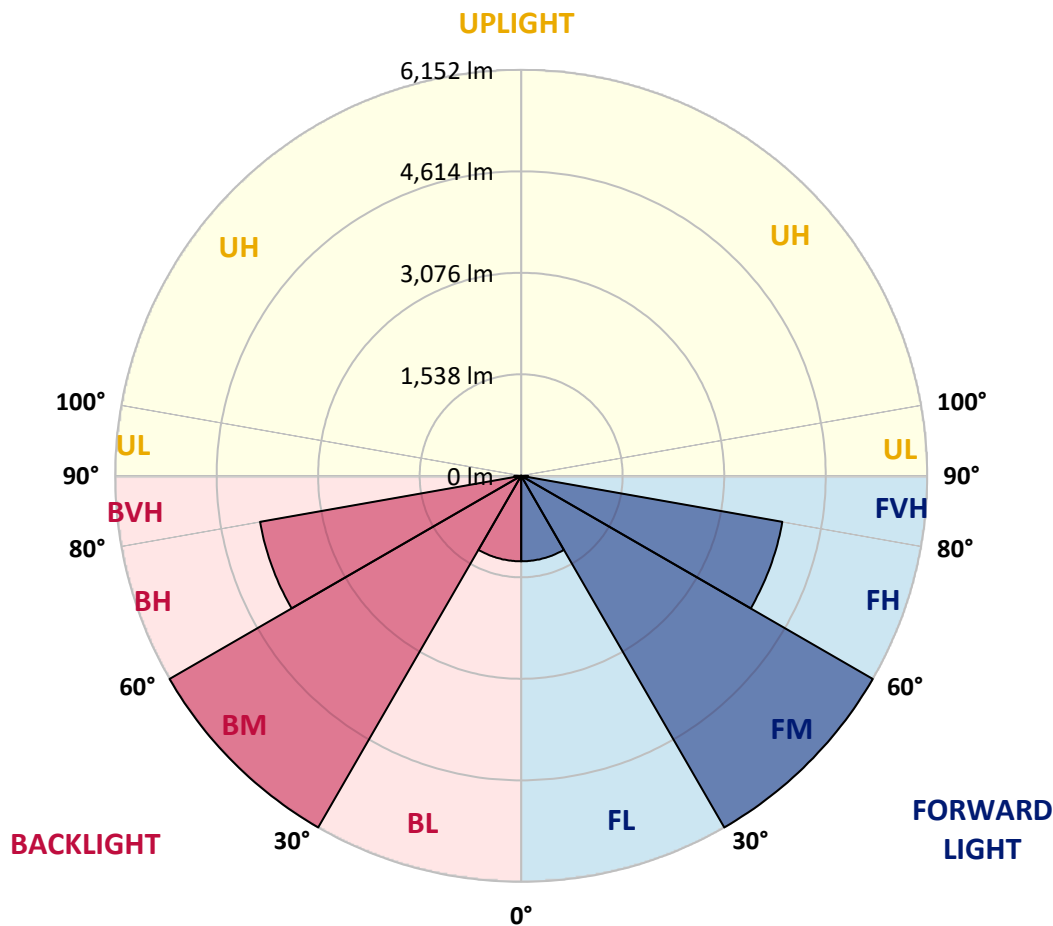
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1295.5	5.6			
FM	(30°-60°)	6152.2	26.6			
FH	(60°-80°)	4017.5	17.4			G2/5000
FVH	(80°-90°)	104.3	0.5			G2/225
BL	(0°-30°)	1295.5	5.6	B3/2500		
BM	(30°-60°)	6152.2	26.6	B4/8500		
BH	(60°-80°)	4017.5	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°	2478.6	2478.6	2478.6	2478.6	2478.6	2478.6	2478.6	2478.6	2478.6	2478.6	2478.6
2.5°	2478.6	2476.2	2478.6	2481.0	2479.8	2479.8	2485.7	2489.2	2496.3	2495.1	2494.0
5°	2462.1	2460.9	2470.3	2481.0	2489.2	2503.4	2521.1	2534.1	2550.7	2554.2	2554.2
7.5°	2453.8	2450.2	2466.8	2485.7	2511.7	2547.1	2581.4	2616.8	2645.2	2654.6	2657.0
10°	2459.7	2460.9	2483.3	2518.8	2560.1	2609.7	2658.2	2718.4	2758.6	2768.0	2777.5
12.5°	2486.9	2484.5	2522.3	2579.0	2635.7	2698.3	2755.1	2821.2	2864.9	2887.4	2896.8
15°	2536.5	2531.8	2584.9	2668.8	2751.5	2824.8	2870.8	2933.4	2984.2	3012.6	3023.2
17.5°	2595.6	2597.9	2667.6	2776.3	2885.0	2967.7	3011.4	3043.3	3082.3	3107.1	3118.9
20°	2699.5	2704.3	2782.2	2911.0	3035.0	3129.6	3165.0	3153.2	3163.8	3182.7	3196.9
22.5°	2838.9	2841.3	2928.7	3068.1	3198.1	3302.0	3325.7	3277.2	3247.7	3260.7	3270.1
25°	3000.8	3016.1	3103.6	3246.5	3380.0	3479.3	3489.9	3416.6	3343.4	3346.9	3352.8
27.5°	3198.1	3212.3	3300.9	3442.6	3578.5	3664.7	3663.6	3565.5	3458.0	3430.8	3439.1
30°	3411.9	3427.3	3518.2	3664.7	3791.1	3866.8	3850.2	3733.3	3579.7	3528.9	3534.8
32.5°	3665.9	3675.4	3767.5	3914.0	4031.0	4091.2	4057.0	3912.8	3721.4	3663.6	3677.7
35°	3973.1	3987.3	4055.8	4194.0	4296.8	4346.4	4288.5	4118.4	3903.4	3838.4	3847.9
37.5°	4324.0	4314.5	4392.5	4515.4	4600.4	4631.1	4552.0	4350.0	4111.3	4034.5	4048.7
40°	4690.2	4685.5	4770.5	4888.7	4934.8	4953.7	4836.7	4615.8	4351.1	4268.4	4295.6
42.5°	5022.2	5018.6	5133.2	5264.4	5319.9	5298.6	5151.0	4898.1	4628.8	4534.3	4557.9
45°	5288.0	5283.3	5423.9	5608.2	5716.8	5681.4	5482.9	5210.0	4909.9	4811.9	4834.3
47.5°	5492.4	5494.7	5646.0	5874.0	6064.2	6077.2	5822.0	5527.8	5219.5	5108.4	5141.5
50°	5640.1	5647.1	5809.0	6061.8	6321.7	6436.3	6168.1	5853.9	5539.6	5414.4	5452.2
52.5°	5676.7	5689.7	5884.6	6181.1	6487.1	6705.7	6520.2	6167.0	5843.3	5723.9	5754.7
55°	5481.7	5507.7	5754.7	6171.7	6588.7	6882.9	6829.7	6484.8	6149.2	6026.4	6060.6
57.5°	5034.0	5070.6	5358.9	5903.5	6566.3	7004.6	7069.6	6789.6	6455.2	6337.1	6364.3
60°	4406.7	4450.4	4726.8	5321.1	6249.7	7049.5	7238.5	7086.1	6736.4	6621.8	6646.6
62.5°	3460.4	3517.1	3847.9	4544.9	5581.0	6840.4	7382.6	7354.3	6989.2	6846.3	6862.8
65°	2219.9	2280.1	2628.6	3452.1	4689.0	6200.0	7427.5	7615.4	7256.2	7056.6	7081.4
67.5°	1338.5	1365.7	1538.2	2092.3	3427.3	5234.8	7047.1	7904.8	7568.1	7320.0	7338.9
70°	856.5	871.9	974.7	1228.7	1937.5	3819.5	6104.4	7959.2	7946.2	7590.6	7588.2
72.5°	581.3	586.0	613.2	727.7	1096.3	2170.3	4502.4	7205.4	8182.5	7939.1	7901.3
75°	425.3	451.3	495.0	515.1	622.6	1084.5	2580.2	5062.3	6895.9	7002.2	6744.7
77.5°	316.6	317.8	378.1	401.7	444.2	577.7	1091.6	2825.9	4281.4	4495.3	4009.7
80°	268.2	254.0	252.8	323.7	334.3	360.3	487.9	975.8	1533.5	929.8	702.9
82.5°	223.3	207.9	187.8	252.8	228.0	220.9	211.5	397.0	487.9	239.8	204.4
85°	155.9	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	73.2	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)