

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: P952012

Luminaire Tested: **GALN-SB6A-730-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952012
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6A-730-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28487 lumens
Efficiency: N/A
Efficacy: 166.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

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

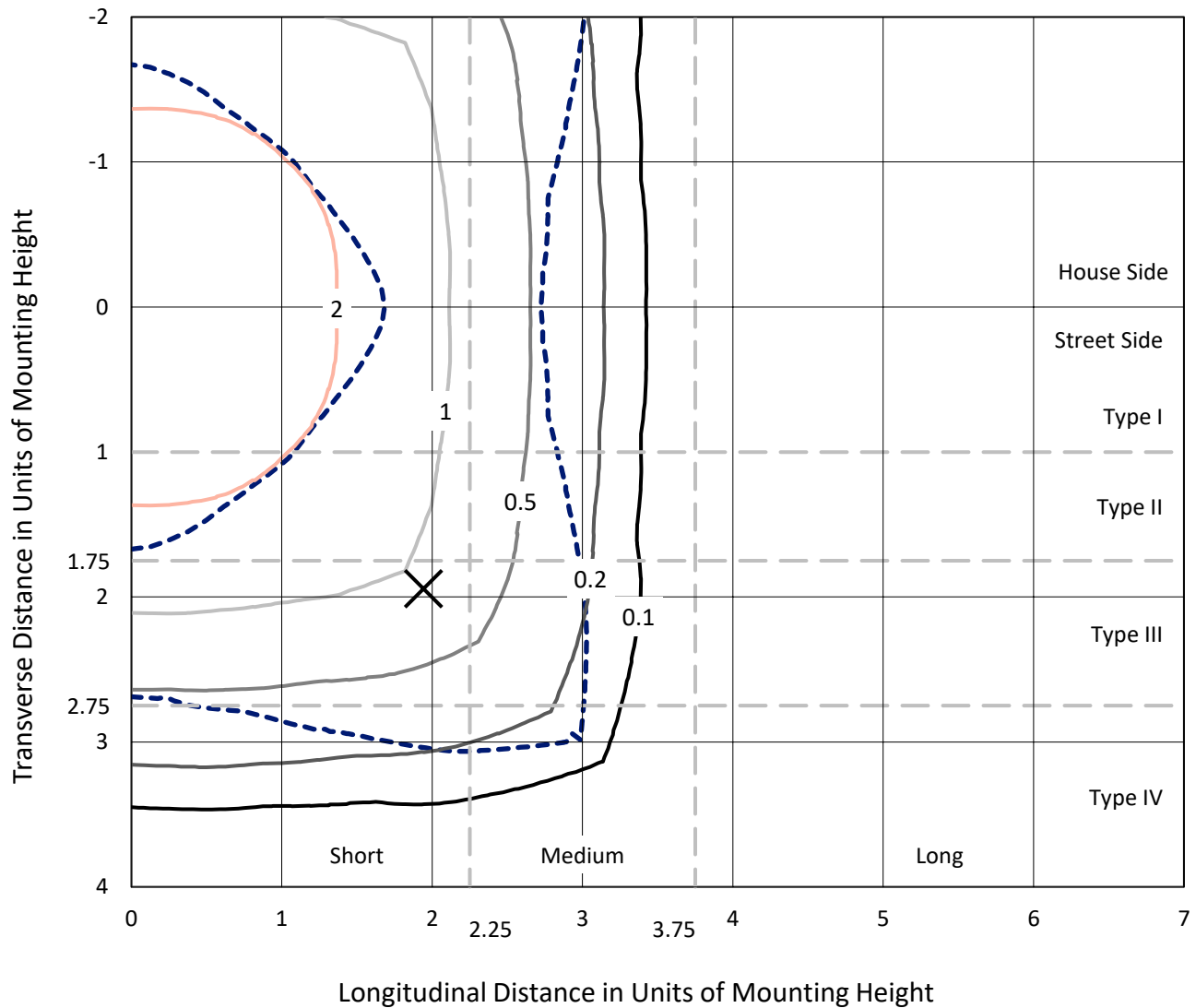


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

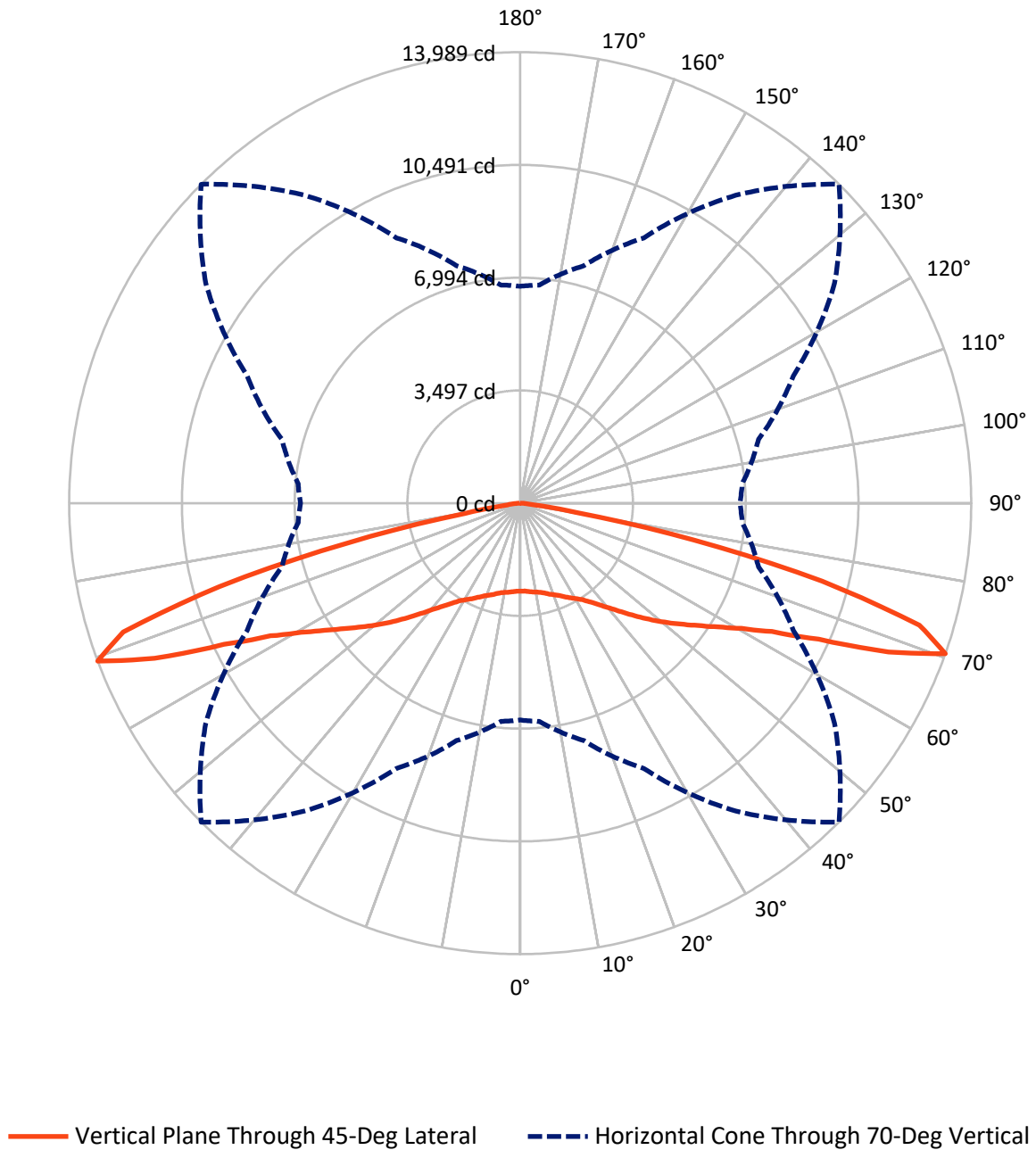


Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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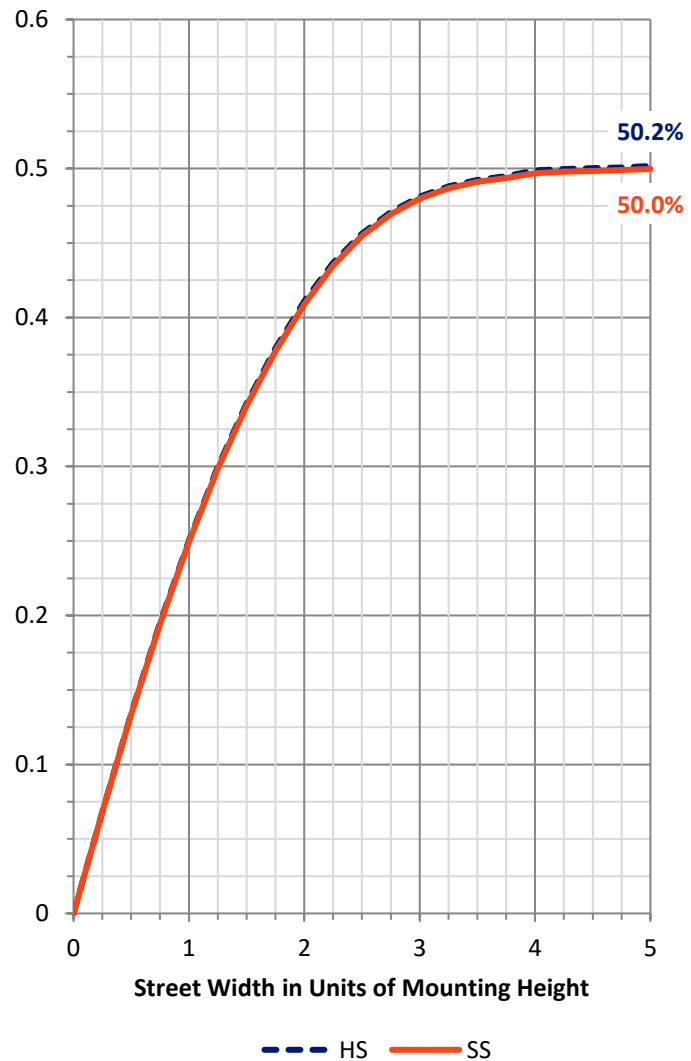
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14243.5	0.0	14243.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14243.5	0.0	14243.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28487.0	0.0	28487.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.1	0.9
10°-20°	822.0	2.9
20°-30°	1469.1	5.2
30°-40°	2381.4	8.4
40°-50°	3878.9	13.6
50°-60°	5913.9	20.8
60°-70°	8798.1	30.9
70°-80°	4795.2	16.8
80°-90°	163.3	0.6
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°	28487.0	100.0
0°-180°	28487.0	100.0

Coefficient of Utilization



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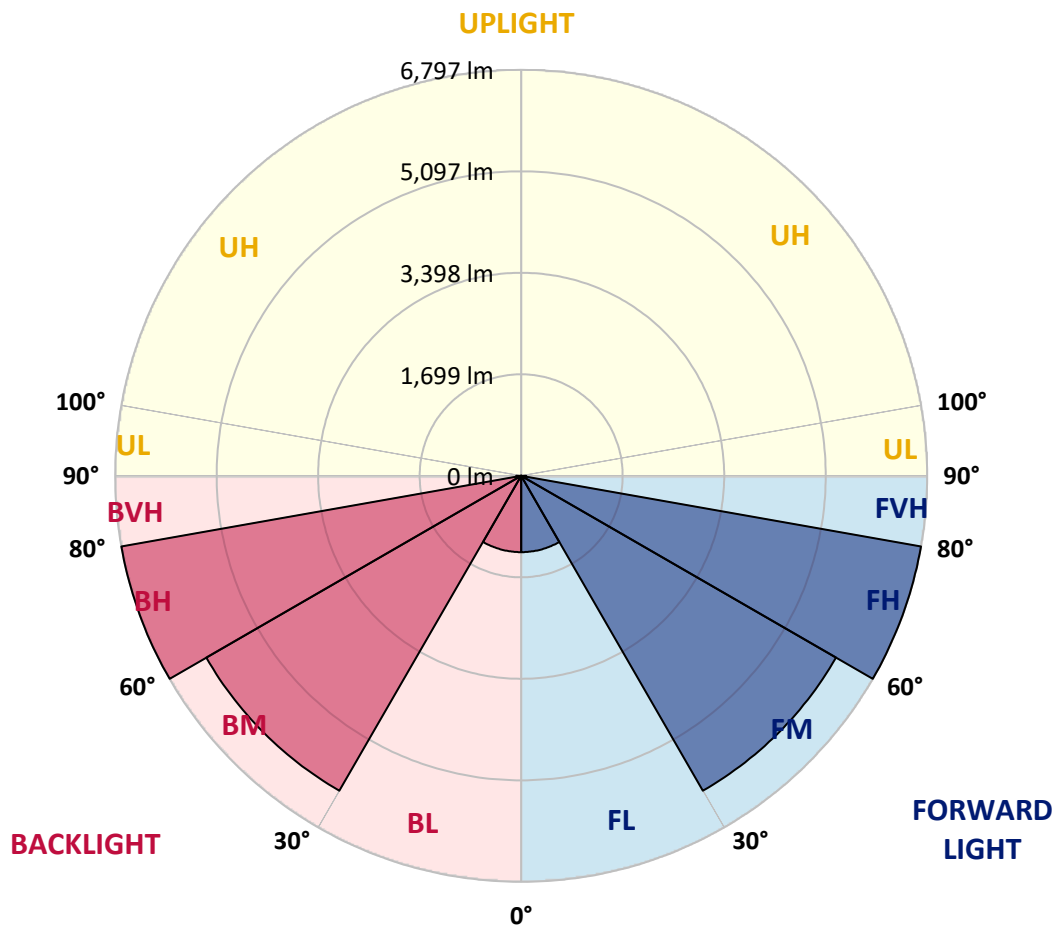
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1278.1	4.5			
FM	(30°-60°)	6087.1	21.4			
FH	(60°-80°)	6796.7	23.9			G3/7500
FVH	(80°-90°)	81.6	0.3			G1/100
BL	(0°-30°)	1278.1	4.5	B3/2500		
BM	(30°-60°)	6087.1	21.4	B4/8500		
BH	(60°-80°)	6796.7	23.9	B5		G3/7500
BVH	(80°-90°)	81.6	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2728.8	2728.8	2728.8	2728.8	2728.8	2728.8	2728.8	2728.8	2728.8	2728.8	2728.8
2.5°	2741.6	2744.5	2738.8	2735.9	2733.1	2728.8	2730.2	2737.3	2743.1	2741.6	2743.1
5°	2764.5	2767.4	2763.1	2761.7	2755.9	2754.5	2754.5	2761.7	2765.9	2763.1	2764.5
7.5°	2790.3	2794.5	2787.4	2786.0	2783.1	2780.2	2778.8	2786.0	2790.3	2790.3	2790.3
10°	2814.6	2818.9	2813.1	2808.8	2806.0	2806.0	2803.1	2808.8	2816.0	2814.6	2814.6
12.5°	2840.3	2843.2	2837.5	2834.6	2834.6	2838.9	2834.6	2837.5	2843.2	2840.3	2838.9
15°	2871.8	2873.2	2871.8	2876.1	2883.2	2897.5	2884.6	2881.8	2884.6	2877.5	2877.5
17.5°	2914.7	2917.5	2923.3	2933.3	2943.3	2969.0	2946.1	2939.0	2939.0	2924.7	2924.7
20°	2967.6	2971.9	2980.5	2997.6	3010.5	3034.8	3011.9	3001.9	2997.6	2979.0	2979.0
22.5°	3023.4	3030.5	3043.4	3066.3	3089.2	3112.0	3089.2	3072.0	3059.1	3034.8	3033.4
25°	3087.7	3096.3	3116.3	3153.5	3185.0	3217.9	3190.7	3156.4	3130.6	3096.3	3094.9
27.5°	3179.3	3189.3	3213.6	3259.4	3299.4	3328.0	3302.3	3257.9	3222.2	3180.7	3179.3
30°	3308.0	3318.0	3346.6	3395.2	3422.4	3441.0	3423.8	3389.5	3346.6	3299.4	3299.4
32.5°	3473.9	3486.7	3518.2	3564.0	3569.7	3572.6	3566.8	3549.7	3518.2	3461.0	3462.4
35°	3684.1	3698.4	3734.2	3771.4	3765.6	3771.4	3762.8	3757.1	3734.2	3668.4	3668.4
37.5°	3941.5	3958.7	3995.9	4024.5	4010.2	4003.0	4004.5	4005.9	3993.0	3920.1	3920.1
40°	4240.4	4263.3	4290.5	4320.5	4296.2	4274.8	4289.1	4300.5	4289.1	4214.7	4214.7
42.5°	4547.9	4580.8	4609.4	4652.3	4632.3	4605.1	4625.2	4638.0	4613.7	4533.6	4539.4
45°	4889.7	4921.2	4958.4	5022.7	5008.4	4979.8	5008.4	5011.3	4969.8	4875.4	4885.5
47.5°	5243.0	5275.9	5331.7	5417.5	5411.8	5380.3	5417.5	5397.5	5344.5	5231.6	5224.4
50°	5577.7	5623.4	5709.2	5829.4	5840.8	5802.2	5852.2	5813.6	5725.0	5583.4	5580.5
52.5°	5892.3	5940.9	6076.8	6239.8	6281.3	6231.2	6298.5	6231.2	6098.2	5916.6	5899.4
55°	6222.7	6277.0	6438.6	6651.7	6734.7	6697.5	6760.4	6658.9	6470.1	6249.8	6219.8
57.5°	6611.7	6644.6	6837.6	7090.8	7230.9	7239.5	7268.1	7096.5	6867.7	6617.4	6583.1
60°	7033.6	7079.3	7289.6	7592.8	7814.4	7885.9	7855.9	7601.3	7335.3	7047.9	7002.1
62.5°	7574.2	7624.2	7875.9	8239.2	8589.6	8766.9	8649.7	8280.7	7951.7	7607.1	7547.0
65°	8021.8	8077.6	8532.4	9180.2	9818.1	10174.2	9879.6	9200.3	8608.2	8121.9	8041.8
67.5°	7697.2	7765.8	8479.5	9669.4	11255.4	12318.0	11309.8	9815.2	8655.4	7996.1	7897.4
70°	6727.5	6791.9	7624.2	9078.7	11660.2	13988.5	11903.3	9346.1	7651.4	6913.4	6814.7
72.5°	4466.4	4673.8	5516.2	7261.0	10411.6	12944.4	10514.6	7113.7	5117.1	4456.4	4312.0
75°	1481.7	1647.6	2222.5	3764.2	6973.5	9680.8	6638.8	3330.9	1760.5	1267.1	1198.5
77.5°	373.3	430.5	593.5	1076.9	2781.7	5511.9	2504.2	879.6	479.1	334.7	298.9
80°	181.6	200.2	286.0	359.0	696.5	1752.0	653.6	337.5	226.0	174.5	160.2
82.5°	100.1	101.5	161.6	203.1	258.9	453.4	268.9	197.4	130.1	105.8	105.8
85°	61.5	60.1	85.8	108.7	108.7	161.6	128.7	108.7	74.4	65.8	68.6
87.5°	24.3	24.3	31.5	34.3	30.0	41.5	32.9	35.8	28.6	27.2	28.6
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)