

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: P951991

Luminaire Tested: **GALN-SB6A-727-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951991
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-727-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26423 lumens
Efficiency: N/A
Efficacy: 154.6 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



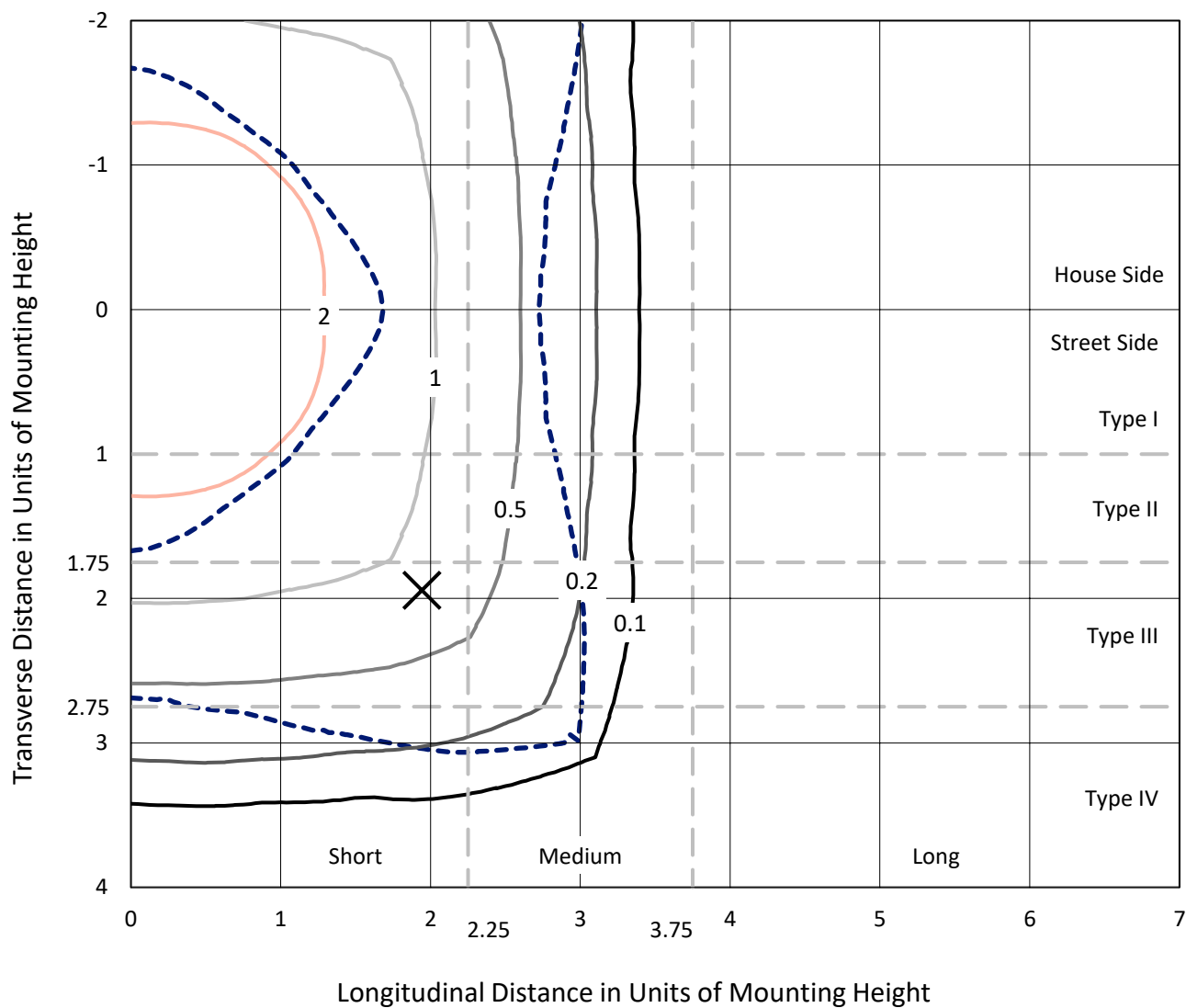
REPORT NUMBER: P951991

CATALOG NUMBER: GALN-SB6A-727-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



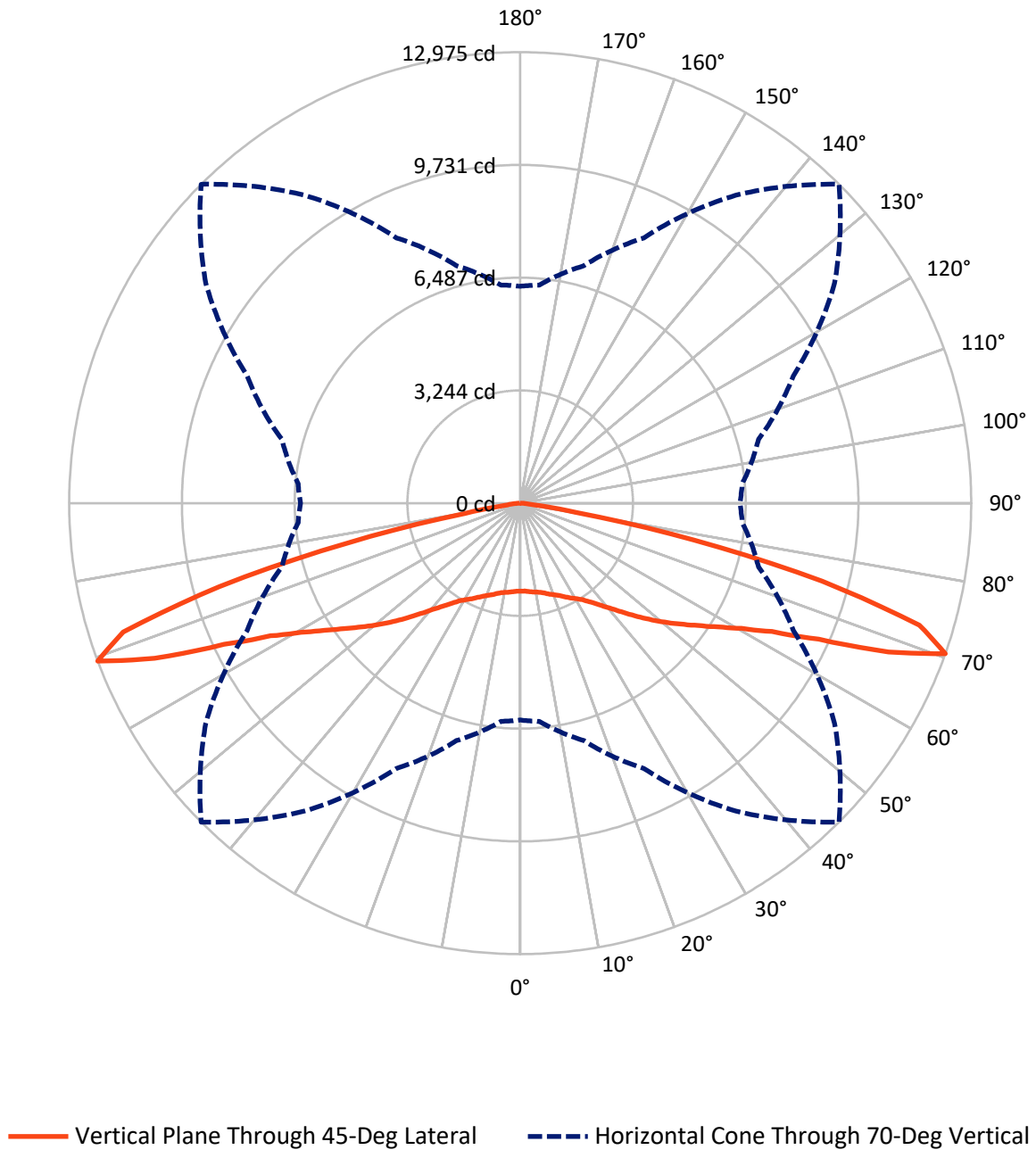
Based on 25 foot mounting height. Maximum calculated value = 4 fc

Type V - Short - N/A

REPORT NUMBER: P951991

CATALOG NUMBER: GALN-SB6A-727-U-5MQ

Luminous Intensity Polar Plot



REPORT NUMBER: P951991

CATALOG NUMBER: GALN-SB6A-727-U-5MQ

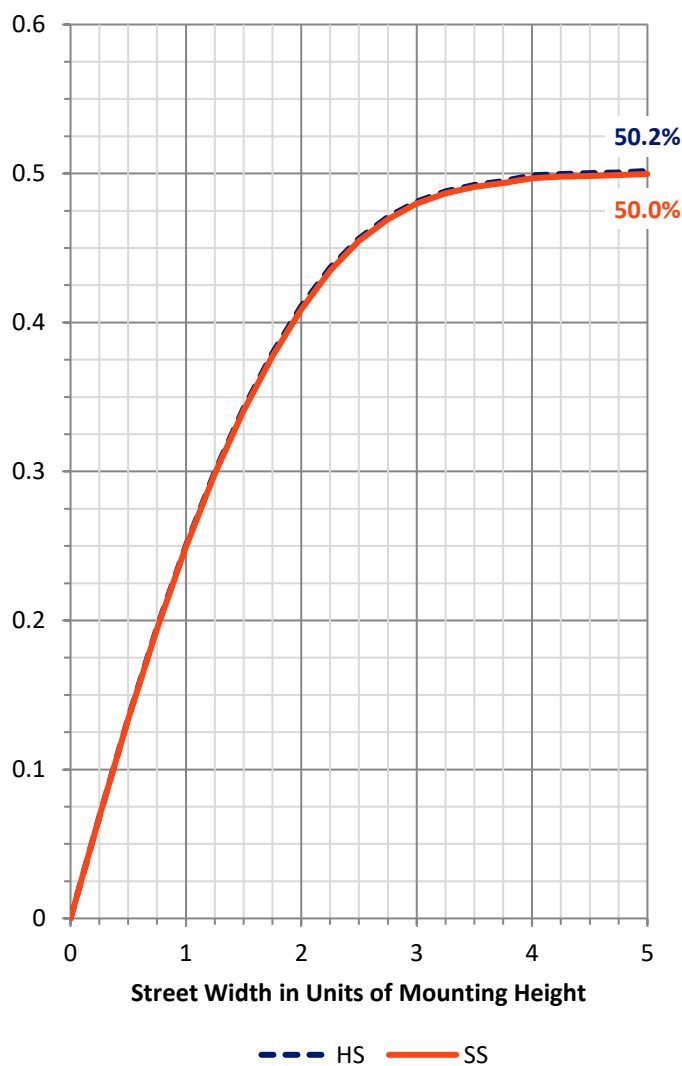
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13211.5	0.0	13211.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13211.5	0.0	13211.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26423.0	0.0	26423.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.9	0.9
10°-20°	762.5	2.9
20°-30°	1362.6	5.2
30°-40°	2208.8	8.4
40°-50°	3597.8	13.6
50°-60°	5485.5	20.8
60°-70°	8160.6	30.9
70°-80°	4447.8	16.8
80°-90°	151.5	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°	26423.0	100.0
0°-180°	26423.0	100.0

Coefficient of Utilization



REPORT NUMBER: P951991

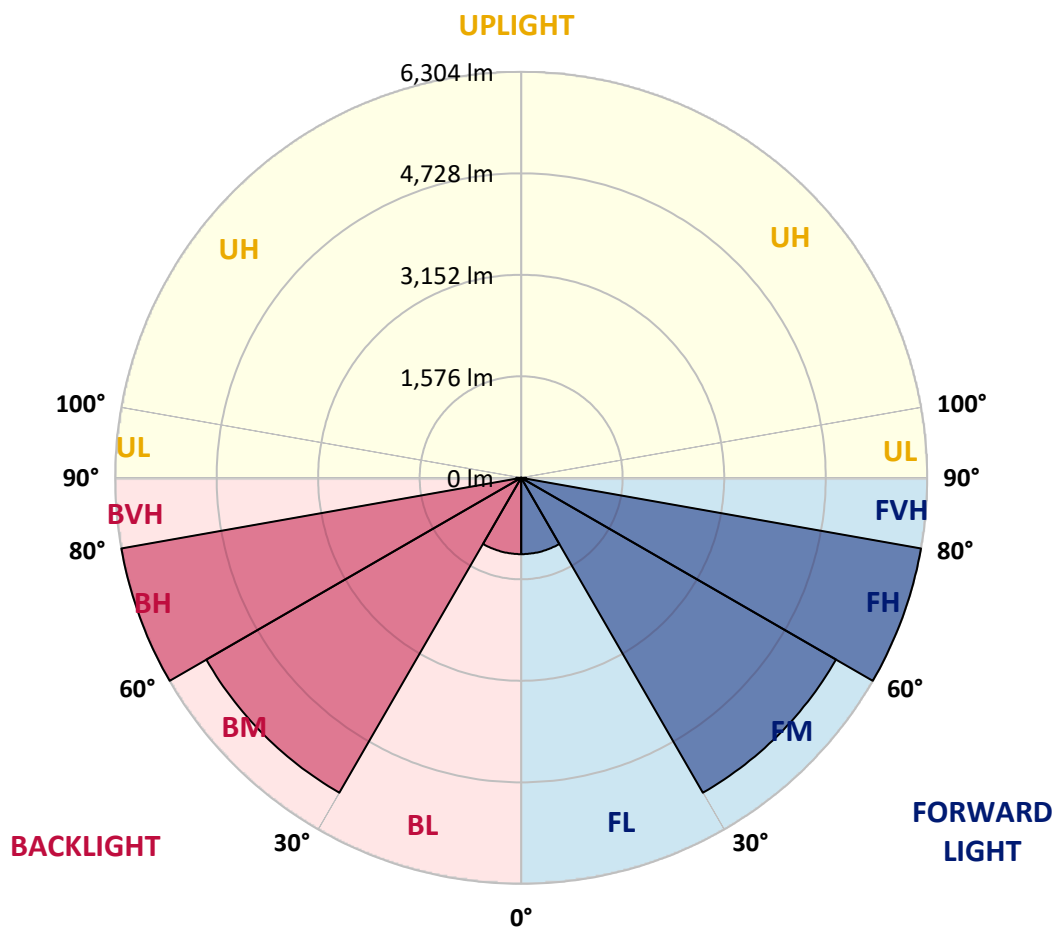
CATALOG NUMBER: GALN-SB6A-727-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1185.5	4.5			
FM	(30°-60°)	5646.1	21.4			
FH	(60°-80°)	6304.2	23.9			G3/7500
FVH	(80°-90°)	75.7	0.3			G1/100
BL	(0°-30°)	1185.5	4.5	B3/2500		
BM	(30°-60°)	5646.1	21.4	B4/8500		
BH	(60°-80°)	6304.2	23.9	B5		G3/7500
BVH	(80°-90°)	75.7	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



REPORT NUMBER: P951991

CATALOG NUMBER: GALN-SB6A-727-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2531.0	2531.0	2531.0	2531.0	2531.0	2531.0	2531.0	2531.0	2531.0	2531.0	2531.0
2.5°	2543.0	2545.6	2540.3	2537.7	2535.0	2531.0	2532.4	2539.0	2544.3	2543.0	2544.3
5°	2564.2	2566.9	2562.9	2561.6	2556.3	2554.9	2554.9	2561.6	2565.5	2562.9	2564.2
7.5°	2588.1	2592.1	2585.4	2584.1	2581.5	2578.8	2577.5	2584.1	2588.1	2588.1	2588.1
10°	2610.6	2614.6	2609.3	2605.3	2602.7	2602.7	2600.0	2605.3	2612.0	2610.6	2610.6
12.5°	2634.5	2637.2	2631.9	2629.2	2629.2	2633.2	2629.2	2631.9	2637.2	2634.5	2633.2
15°	2663.7	2665.0	2663.7	2667.7	2674.3	2687.6	2675.6	2673.0	2675.6	2669.0	2669.0
17.5°	2703.5	2706.2	2711.5	2720.7	2730.0	2753.9	2732.7	2726.1	2726.1	2712.8	2712.8
20°	2752.6	2756.6	2764.5	2780.4	2792.4	2814.9	2793.7	2784.4	2780.4	2763.2	2763.2
22.5°	2804.3	2811.0	2822.9	2844.1	2865.3	2886.6	2865.3	2849.4	2837.5	2814.9	2813.6
25°	2864.0	2872.0	2890.5	2925.0	2954.2	2984.7	2959.5	2927.7	2903.8	2872.0	2870.6
27.5°	2948.9	2958.2	2980.7	3023.2	3060.3	3086.9	3063.0	3021.9	2988.7	2950.2	2948.9
30°	3068.3	3077.6	3104.1	3149.2	3174.4	3191.7	3175.8	3143.9	3104.1	3060.3	3060.3
32.5°	3222.2	3234.1	3263.3	3305.8	3311.1	3313.7	3308.4	3292.5	3263.3	3210.2	3211.6
35°	3417.2	3430.4	3463.6	3498.1	3492.8	3498.1	3490.1	3484.8	3463.6	3402.6	3402.6
37.5°	3656.0	3671.9	3706.4	3732.9	3719.6	3713.0	3714.3	3715.7	3703.7	3636.1	3636.1
40°	3933.2	3954.4	3979.6	4007.5	3984.9	3965.0	3978.3	3988.9	3978.3	3909.3	3909.3
42.5°	4218.4	4248.9	4275.5	4315.3	4296.7	4271.5	4290.1	4302.0	4279.4	4205.2	4210.5
45°	4535.5	4564.6	4599.1	4658.8	4645.6	4619.0	4645.6	4648.2	4609.7	4522.2	4531.5
47.5°	4863.1	4893.6	4945.4	5025.0	5019.7	4990.5	5025.0	5006.4	4957.3	4852.5	4845.9
50°	5173.5	5216.0	5295.6	5407.0	5417.6	5381.8	5428.2	5392.4	5310.2	5178.8	5176.2
52.5°	5465.4	5510.5	5636.5	5787.7	5826.2	5779.8	5842.1	5779.8	5656.4	5487.9	5472.0
55°	5771.8	5822.2	5972.1	6169.8	6246.7	6212.2	6270.6	6176.4	6001.3	5797.0	5769.1
57.5°	6132.6	6163.1	6342.2	6577.0	6707.0	6715.0	6741.5	6582.3	6370.1	6137.9	6106.1
60°	6524.0	6566.4	6761.4	7042.6	7248.2	7314.6	7286.7	7050.6	6803.9	6537.2	6494.8
62.5°	7025.4	7071.8	7305.3	7642.2	7967.2	8131.7	8023.0	7680.7	7375.6	7055.9	7000.2
65°	7440.6	7492.3	7914.2	8515.1	9106.7	9437.0	9163.8	8533.7	7984.5	7533.5	7459.2
67.5°	7139.5	7203.1	7865.1	8968.8	10439.9	11425.5	10490.3	9104.1	8028.3	7416.7	7325.2
70°	6240.1	6299.8	7071.8	8420.9	10815.3	12974.9	11040.8	8669.0	7097.0	6412.5	6321.0
72.5°	4142.8	4335.2	5116.5	6734.9	9657.3	12006.6	9752.8	6598.2	4746.4	4133.5	3999.5
75°	1374.3	1528.2	2061.5	3491.5	6468.2	8979.4	6157.8	3089.5	1633.0	1175.3	1111.6
77.5°	346.2	399.3	550.5	998.9	2580.1	5112.5	2322.8	815.8	444.4	310.4	277.2
80°	168.5	185.7	265.3	333.0	646.0	1625.0	606.2	313.1	209.6	161.8	148.6
82.5°	92.9	94.2	149.9	188.4	240.1	420.5	249.4	183.1	120.7	98.2	98.2
85°	57.0	55.7	79.6	100.8	100.8	149.9	119.4	100.8	69.0	61.0	63.7
87.5°	22.6	22.6	29.2	31.8	27.9	38.5	30.5	33.2	26.5	25.2	26.5
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)