

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: P950564

Luminaire Tested: **GALN-SB5A-727-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950564
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5A-727-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22024 lumens
Efficiency: N/A
Efficacy: 155.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 141.7
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

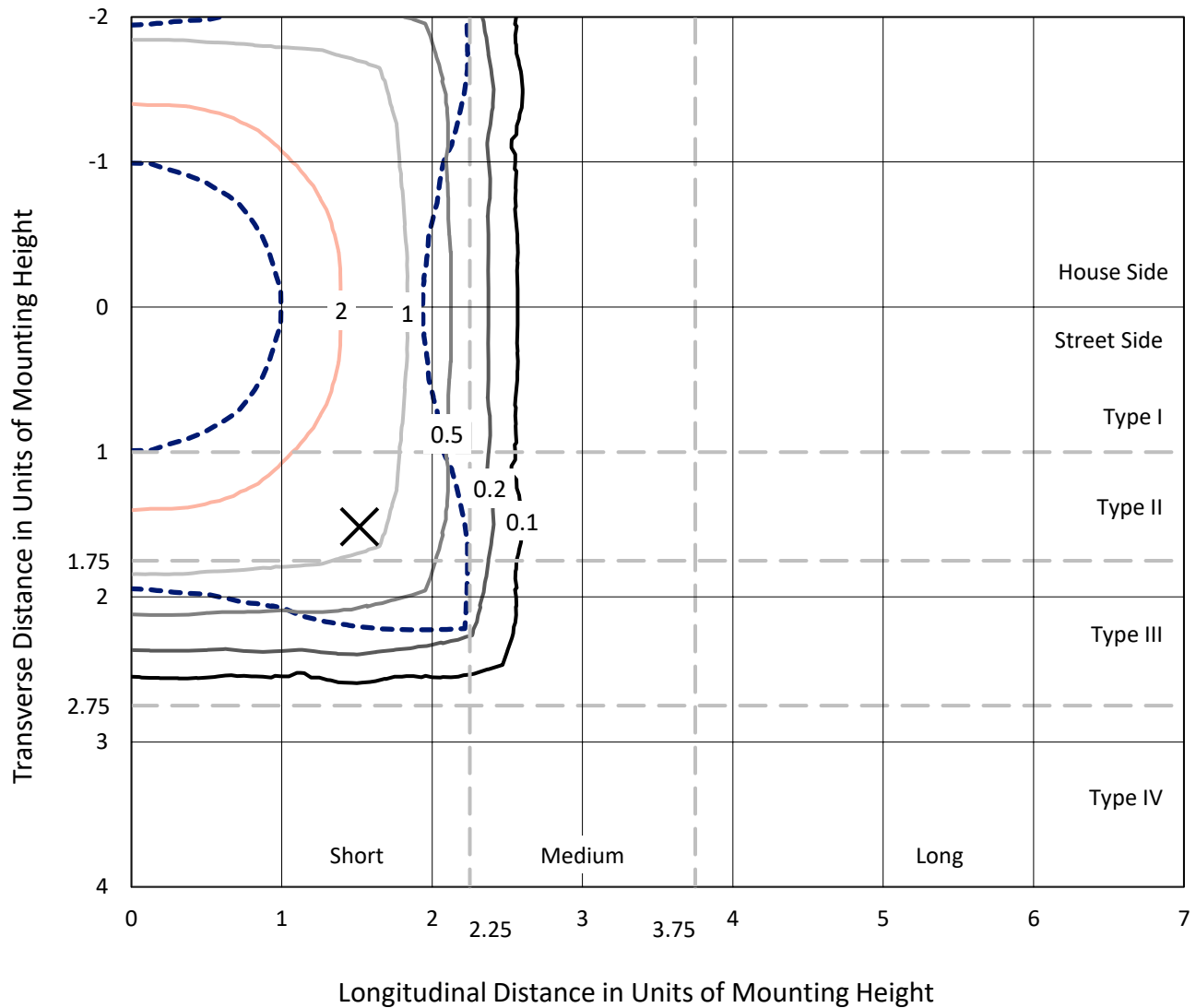


REPORT NUMBER: P950564

CATALOG NUMBER: GALN-SB5A-727-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

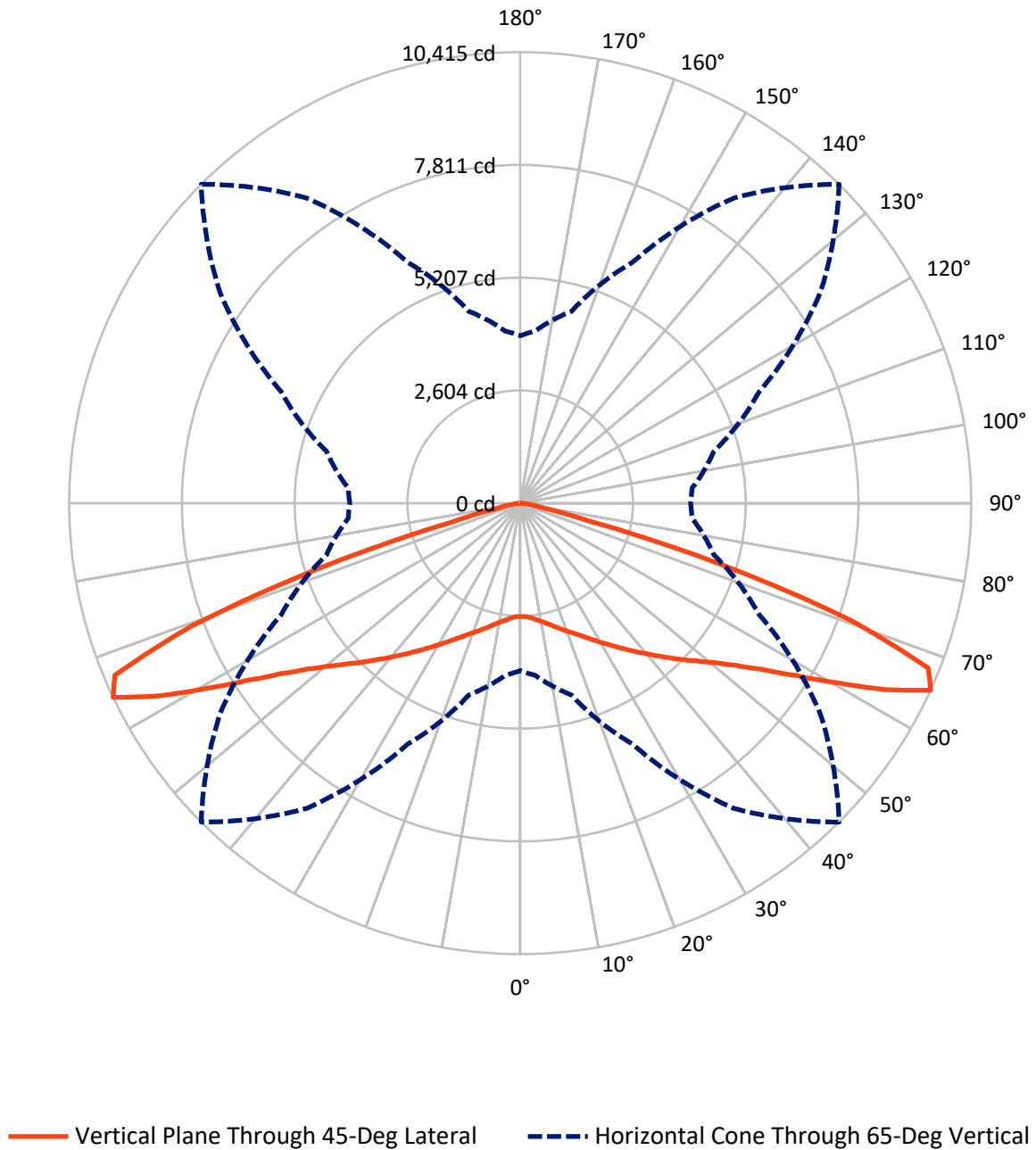


Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
Type V - Short - N/A

REPORT NUMBER: P950564

CATALOG NUMBER: GALN-SB5A-727-U-5NQ

Luminous Intensity Polar Plot



REPORT NUMBER: P950564

CATALOG NUMBER: GALN-SB5A-727-U-5NQ

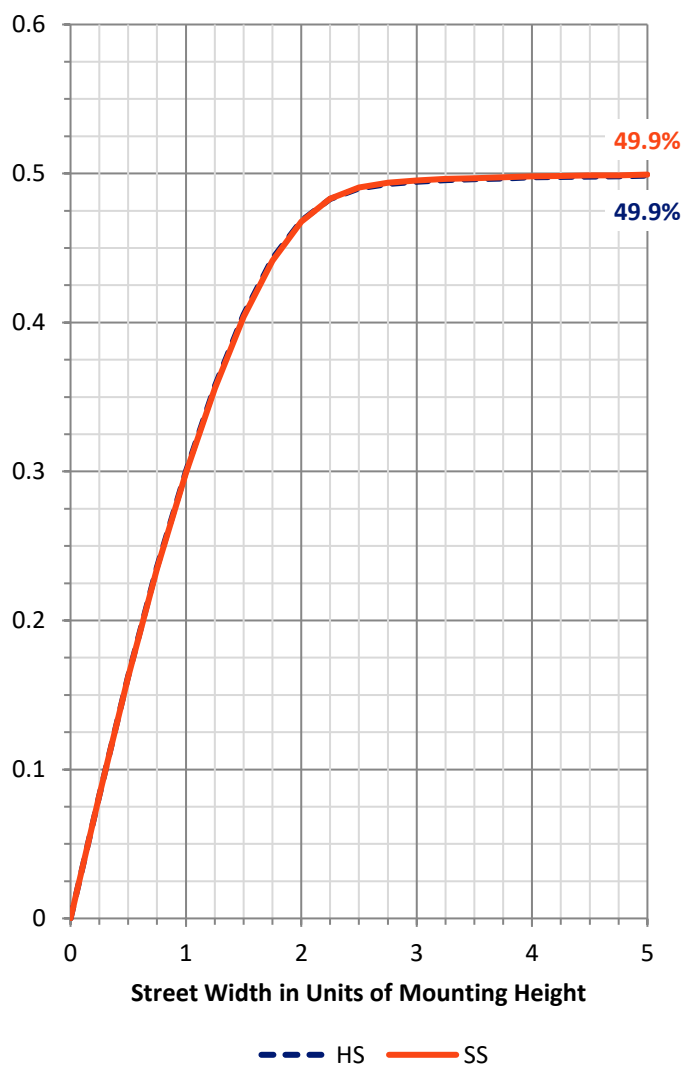
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11012.0	0.0	11012.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11012.0	0.0	11012.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22024.0	0.0	22024.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.7	1.2
10°-20°	844.1	3.8
20°-30°	1593.7	7.2
30°-40°	2609.6	11.8
40°-50°	4046.3	18.4
50°-60°	5977.2	27.1
60°-70°	5689.7	25.8
70°-80°	918.1	4.2
80°-90°	86.6	0.4
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°	22024.0	100.0
0°-180°	22024.0	100.0

Coefficient of Utilization



REPORT NUMBER: P950564

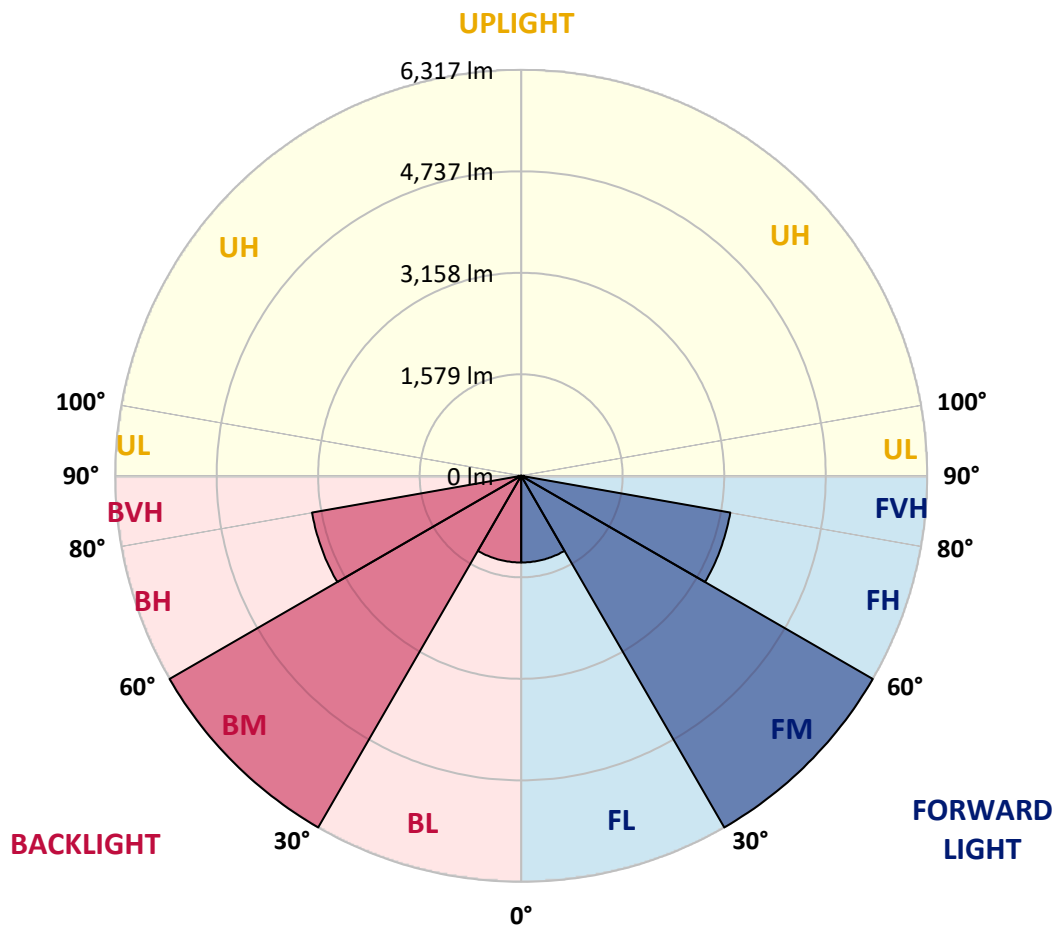
CATALOG NUMBER: GALN-SB5A-727-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1348.2	6.1			
FM	(30°-60°)	6316.6	28.7			
FH	(60°-80°)	3303.9	15.0			G2/5000
FVH	(80°-90°)	43.3	0.2			G1/100
BL	(0°-30°)	1348.2	6.1	B3/2500		
BM	(30°-60°)	6316.6	28.7	B4/8500		
BH	(60°-80°)	3303.9	15.0	B4/5000		G2/5000
BVH	(80°-90°)	43.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



REPORT NUMBER: P950564

CATALOG NUMBER: GALN-SB5A-727-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1	2621.1
2.5°	2638.8	2629.9	2636.5	2631.0	2626.6	2622.2	2624.4	2632.1	2635.4	2636.5	2636.5
5°	2674.1	2666.4	2669.7	2669.7	2662.0	2659.8	2660.9	2666.4	2673.0	2673.0	2673.0
7.5°	2731.6	2723.8	2731.6	2727.2	2720.5	2718.3	2717.2	2721.6	2731.6	2731.6	2728.3
10°	2801.2	2792.4	2796.8	2794.6	2786.8	2783.5	2782.4	2789.0	2797.9	2796.8	2794.6
12.5°	2877.4	2867.5	2873.0	2866.4	2864.2	2860.9	2860.9	2859.8	2865.3	2860.9	2863.1
15°	2962.5	2955.9	2958.1	2953.7	2957.0	2954.8	2945.9	2941.5	2943.7	2937.1	2938.2
17.5°	3063.1	3047.6	3055.3	3053.1	3053.1	3057.6	3043.2	3037.7	3042.1	3035.5	3041.0
20°	3179.1	3163.6	3166.9	3162.5	3157.0	3161.4	3143.7	3148.2	3151.5	3147.1	3157.0
22.5°	3306.2	3286.3	3285.2	3287.4	3275.2	3276.3	3264.2	3275.2	3281.9	3269.7	3281.9
25°	3436.6	3415.6	3429.9	3424.4	3408.9	3412.3	3403.4	3414.5	3420.0	3404.5	3422.2
27.5°	3574.7	3560.3	3573.6	3576.9	3558.1	3571.4	3558.1	3568.1	3573.6	3550.4	3568.1
30°	3736.0	3721.7	3733.8	3742.7	3720.6	3741.6	3730.5	3737.1	3738.2	3710.6	3727.2
32.5°	3911.7	3889.6	3920.6	3925.0	3900.7	3926.1	3911.7	3920.6	3926.1	3888.5	3913.9
35°	4126.1	4098.5	4133.8	4128.3	4107.3	4128.3	4115.0	4128.3	4141.6	4096.3	4123.9
37.5°	4357.0	4328.3	4365.9	4355.9	4336.0	4350.4	4342.7	4351.5	4372.5	4323.9	4353.7
40°	4611.2	4575.8	4626.7	4609.0	4590.2	4588.0	4592.4	4597.9	4625.6	4571.4	4589.1
42.5°	4883.0	4845.5	4921.7	4894.1	4867.6	4849.9	4864.2	4875.3	4901.8	4841.0	4873.1
45°	5193.5	5150.4	5249.9	5216.7	5174.7	5138.3	5161.5	5178.1	5216.7	5143.8	5181.4
47.5°	5536.1	5487.5	5593.5	5583.6	5515.1	5435.5	5488.6	5536.1	5564.8	5476.4	5506.2
50°	5870.9	5833.3	5972.6	5984.7	5900.7	5789.1	5863.2	5935.0	5942.7	5826.7	5841.1
52.5°	6184.7	6147.2	6349.4	6425.6	6350.5	6217.9	6296.3	6369.3	6310.7	6160.4	6164.8
55°	6435.6	6404.6	6662.1	6858.8	6884.2	6774.8	6821.2	6819.0	6626.7	6395.8	6403.5
57.5°	6496.3	6491.9	6816.8	7233.4	7498.6	7511.8	7420.1	7185.9	6771.5	6461.0	6441.1
60°	6220.1	6247.7	6694.1	7429.0	8136.2	8430.1	8033.4	7364.9	6606.8	6175.9	6125.1
62.5°	5393.5	5466.5	6004.6	7190.3	8651.1	9486.5	8525.1	7093.0	5930.6	5368.1	5335.0
65°	3865.3	3992.4	4586.9	6136.1	8604.7	10414.7	8454.4	6086.4	4631.1	3982.4	3934.9
67.5°	1753.6	1882.9	2387.9	4201.2	7479.8	10162.7	7462.1	4245.4	2507.3	1889.6	1861.9
70°	635.4	657.5	819.9	1681.8	4780.3	8097.5	4984.7	1694.0	871.9	700.6	691.7
72.5°	384.5	387.9	422.1	602.2	1660.8	4916.2	1731.5	622.1	431.0	382.3	389.0
75°	244.2	242.0	300.6	368.0	589.0	1658.6	617.7	368.0	299.5	272.9	275.1
77.5°	175.7	181.2	215.5	275.1	371.3	562.4	364.7	263.0	215.5	176.8	180.1
80°	131.5	134.8	156.9	214.4	260.8	350.3	232.1	194.5	162.4	110.5	113.8
82.5°	95.0	95.0	102.8	155.8	159.1	189.0	126.0	137.0	107.2	78.5	78.5
85°	56.4	55.3	64.1	92.8	82.9	69.6	57.5	84.0	67.4	48.6	47.5
87.5°	19.9	21.0	19.9	26.5	22.1	18.8	17.7	23.2	18.8	16.6	15.5
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)