

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: P950543

Luminaire Tested: **GALN-SB5A-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950543
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-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19615 lumens
Efficiency: N/A
Efficacy: 138.4 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

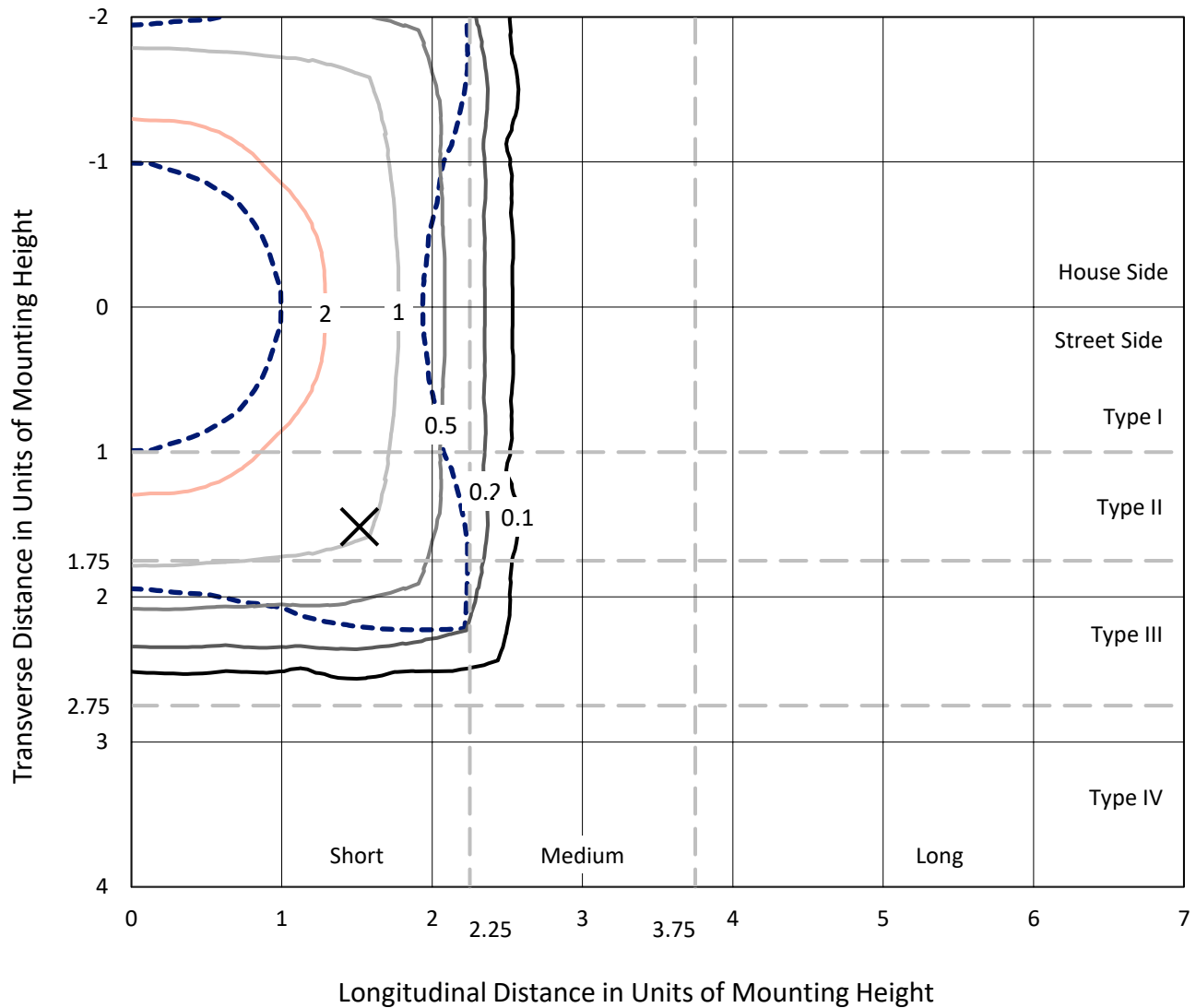


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

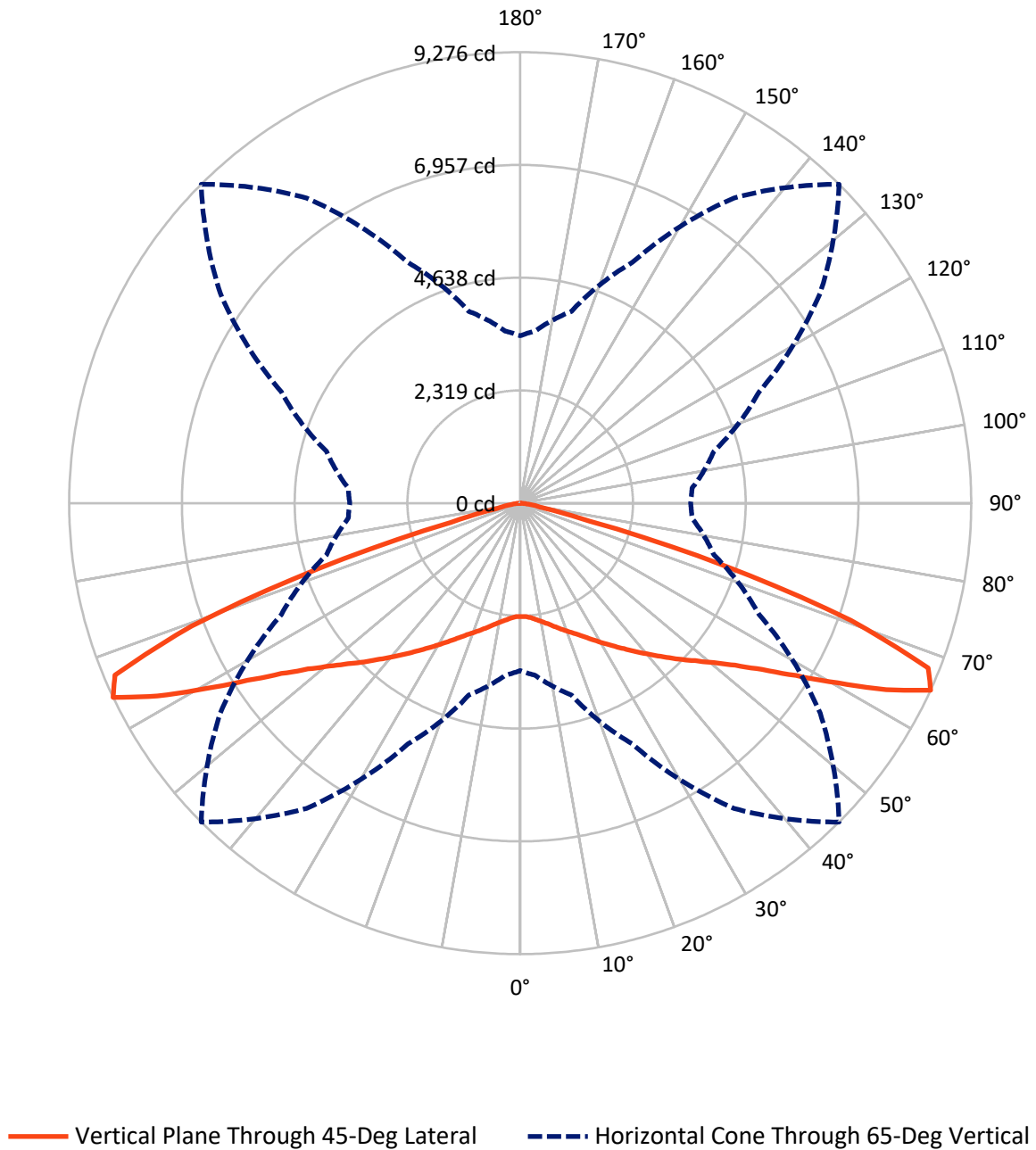


Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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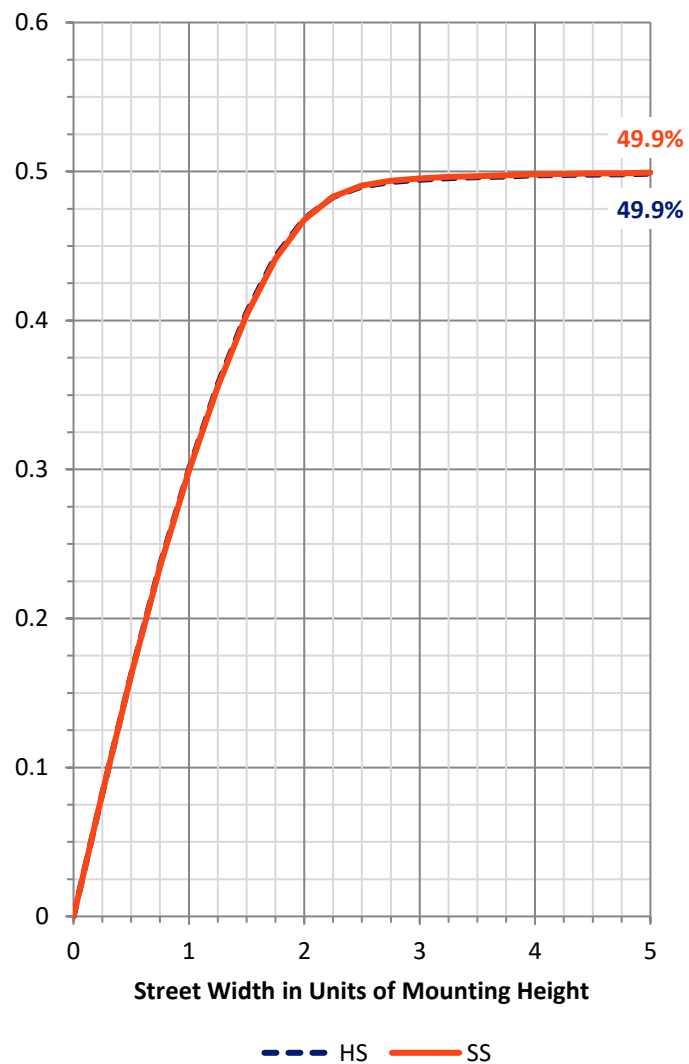
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9807.5	0.0	9807.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9807.5	0.0	9807.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19615.0	0.0	19615.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.4	1.2
10°-20°	751.8	3.8
20°-30°	1419.4	7.2
30°-40°	2324.2	11.8
40°-50°	3603.7	18.4
50°-60°	5323.4	27.1
60°-70°	5067.4	25.8
70°-80°	817.7	4.2
80°-90°	77.1	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°	19615.0	100.0
0°-180°	19615.0	100.0

Coefficient of Utilization



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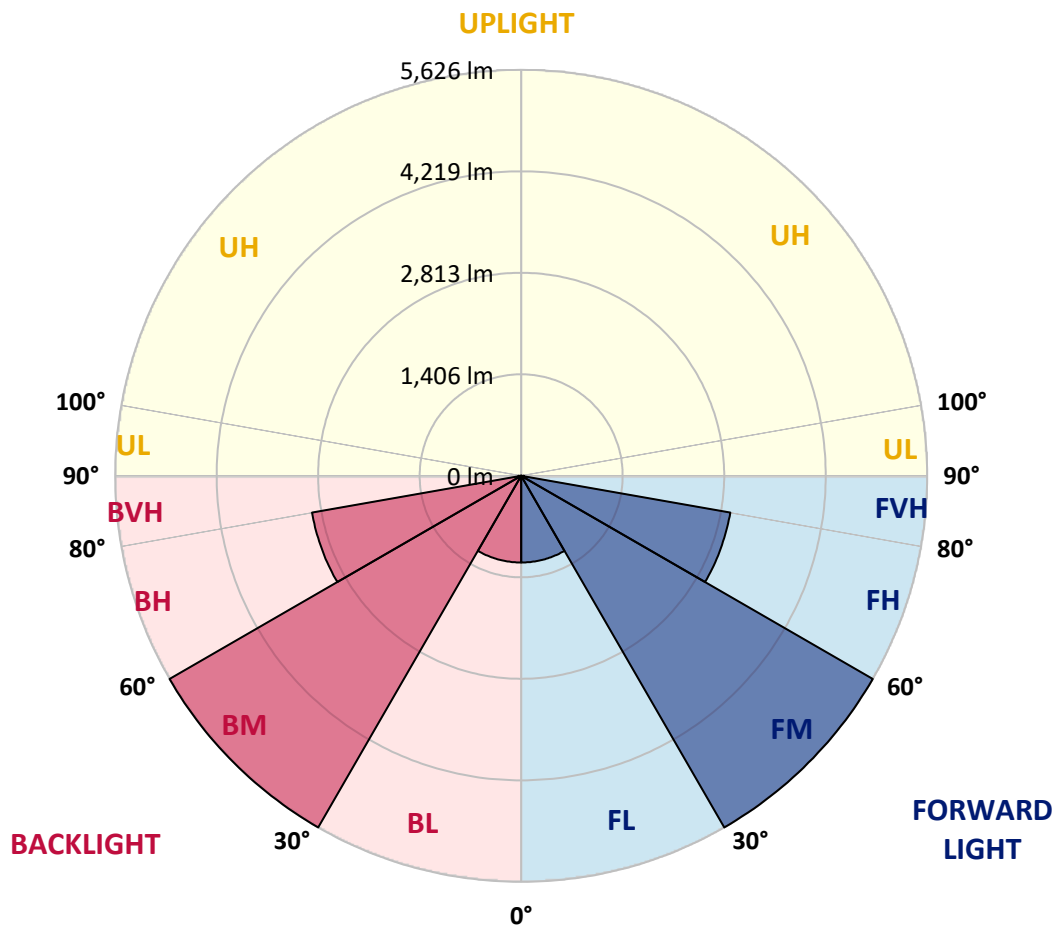
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1200.8	6.1			
FM	(30°-60°)	5625.7	28.7			
FH	(60°-80°)	2942.5	15.0			G2/5000
FVH	(80°-90°)	38.5	0.2			G1/100
BL	(0°-30°)	1200.8	6.1	B3/2500		
BM	(30°-60°)	5625.7	28.7	B4/8500		
BH	(60°-80°)	2942.5	15.0	B4/5000		G2/5000
BVH	(80°-90°)	38.5	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2334.4	2334.4	2334.4	2334.4	2334.4	2334.4	2334.4	2334.4	2334.4	2334.4	2334.4
2.5°	2350.1	2342.3	2348.2	2343.2	2339.3	2335.4	2337.3	2344.2	2347.2	2348.2	2348.2
5°	2381.6	2374.7	2377.7	2377.7	2370.8	2368.8	2369.8	2374.7	2380.6	2380.6	2380.6
7.5°	2432.8	2425.9	2432.8	2428.9	2423.0	2421.0	2420.0	2423.9	2432.8	2432.8	2429.8
10°	2494.8	2486.9	2490.9	2488.9	2482.0	2479.0	2478.1	2484.0	2491.8	2490.9	2488.9
12.5°	2562.7	2553.8	2558.8	2552.9	2550.9	2547.9	2547.9	2547.0	2551.9	2547.9	2549.9
15°	2638.5	2632.6	2634.5	2630.6	2633.6	2631.6	2623.7	2619.8	2621.8	2615.8	2616.8
17.5°	2728.0	2714.3	2721.1	2719.2	2719.2	2723.1	2710.3	2705.4	2709.3	2703.4	2708.4
20°	2831.4	2817.6	2820.5	2816.6	2811.7	2815.6	2799.9	2803.8	2806.8	2802.8	2811.7
22.5°	2944.5	2926.8	2925.8	2927.8	2917.0	2918.0	2907.2	2917.0	2922.9	2912.1	2922.9
25°	3060.7	3042.0	3054.8	3049.9	3036.1	3039.0	3031.2	3041.0	3045.9	3032.1	3047.9
27.5°	3183.7	3170.9	3182.7	3185.7	3168.9	3180.7	3168.9	3177.8	3182.7	3162.0	3177.8
30°	3327.4	3314.6	3325.4	3333.3	3313.6	3332.3	3322.5	3328.4	3329.3	3304.7	3319.5
32.5°	3483.9	3464.2	3491.7	3495.7	3474.0	3496.7	3483.9	3491.7	3496.7	3463.2	3485.8
35°	3674.8	3650.2	3681.7	3676.7	3658.1	3676.7	3664.9	3676.7	3688.6	3648.2	3672.8
37.5°	3880.5	3854.9	3888.3	3879.5	3861.8	3874.6	3867.7	3875.5	3894.2	3850.9	3877.5
40°	4106.8	4075.3	4120.6	4104.8	4088.1	4086.2	4090.1	4095.0	4119.6	4071.4	4087.1
42.5°	4348.9	4315.5	4383.4	4358.8	4335.1	4319.4	4332.2	4342.0	4365.6	4311.5	4340.1
45°	4625.5	4587.1	4675.7	4646.1	4608.7	4576.3	4596.9	4611.7	4646.1	4581.2	4614.6
47.5°	4930.5	4887.2	4981.7	4972.9	4911.8	4841.0	4888.2	4930.5	4956.1	4877.4	4904.0
50°	5228.7	5195.3	5319.3	5330.1	5255.3	5155.9	5221.8	5285.8	5292.7	5189.4	5202.2
52.5°	5508.2	5474.8	5654.9	5722.8	5655.9	5537.8	5607.6	5672.6	5620.4	5486.6	5490.5
55°	5731.6	5704.1	5933.4	6108.6	6131.2	6033.8	6075.1	6073.1	5901.9	5696.2	5703.1
57.5°	5785.8	5781.8	6071.2	6442.2	6678.4	6690.2	6608.5	6399.9	6030.8	5754.3	5736.6
60°	5539.7	5564.3	5961.9	6616.4	7246.2	7508.0	7154.7	6559.3	5884.2	5500.4	5455.1
62.5°	4803.6	4868.5	5347.8	6403.8	7704.8	8448.8	7592.6	6317.2	5281.9	4781.0	4751.4
65°	3442.5	3555.7	4085.2	5464.9	7663.5	9275.5	7529.7	5420.6	4124.5	3546.8	3504.5
67.5°	1561.8	1677.0	2126.7	3741.7	6661.6	9051.1	6645.9	3781.1	2233.0	1682.9	1658.3
70°	565.9	585.6	730.2	1497.9	4257.4	7211.8	4439.5	1508.7	776.5	623.9	616.1
72.5°	342.5	345.4	375.9	536.4	1479.2	4378.4	1542.1	554.1	383.8	340.5	346.4
75°	217.5	215.5	267.7	327.7	524.5	1477.2	550.1	327.7	266.7	243.1	245.1
77.5°	156.5	161.4	191.9	245.1	330.7	500.9	324.8	234.2	191.9	157.5	160.4
80°	117.1	120.1	139.7	190.9	232.3	312.0	206.7	173.2	144.7	98.4	101.4
82.5°	84.6	84.6	91.5	138.8	141.7	168.3	112.2	122.0	95.5	69.9	69.9
85°	50.2	49.2	57.1	82.7	73.8	62.0	51.2	74.8	60.0	43.3	42.3
87.5°	17.7	18.7	17.7	23.6	19.7	16.7	15.7	20.7	16.7	14.8	13.8
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)