

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: P950903

Luminaire Tested: **GALN-SB5B-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950903
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-SB5B-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24197 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

Input Watts (W): 182.7
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



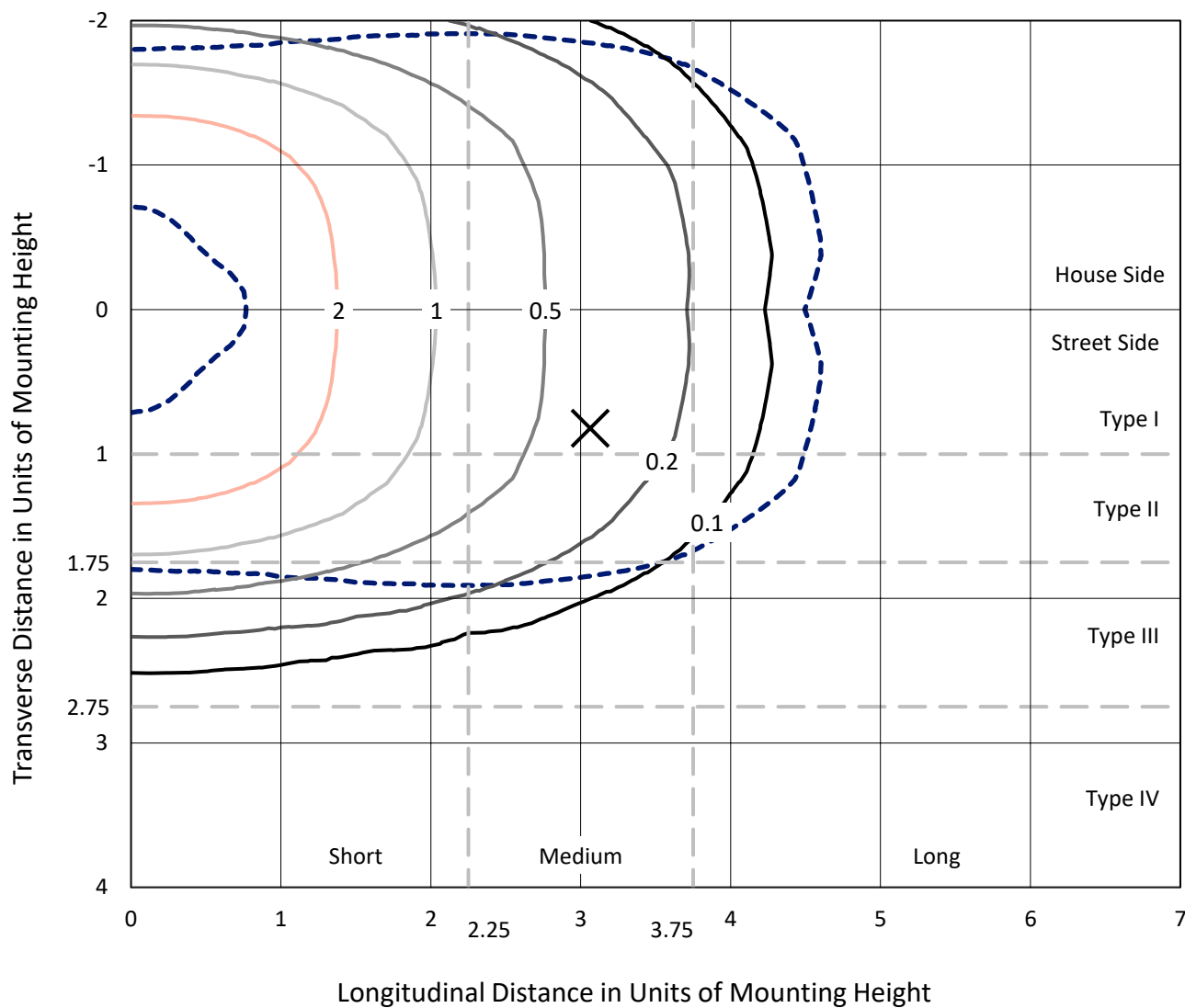
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Iso-Footcandle Lines of Horizontal Illumination

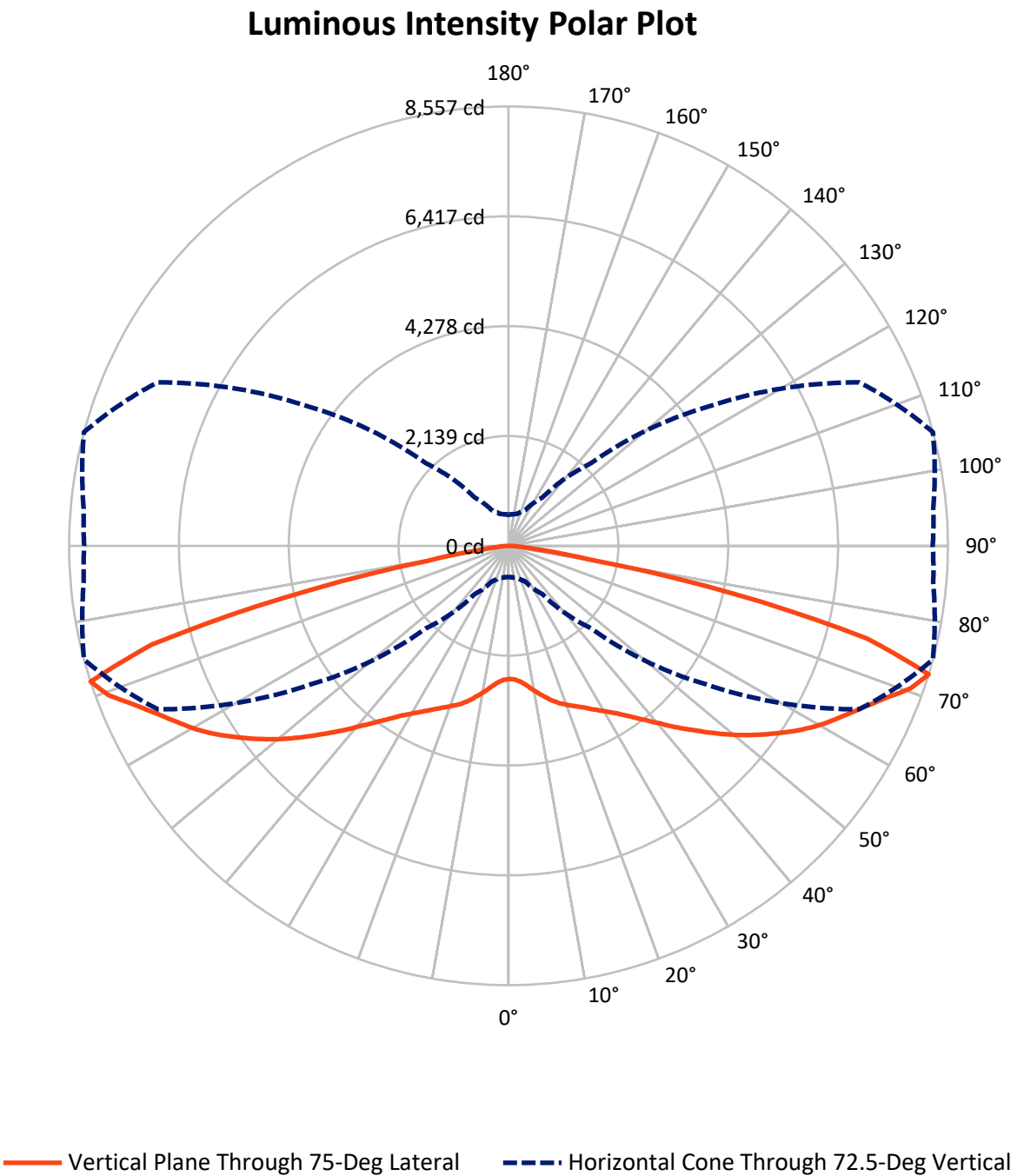
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type III - Medium - N/A

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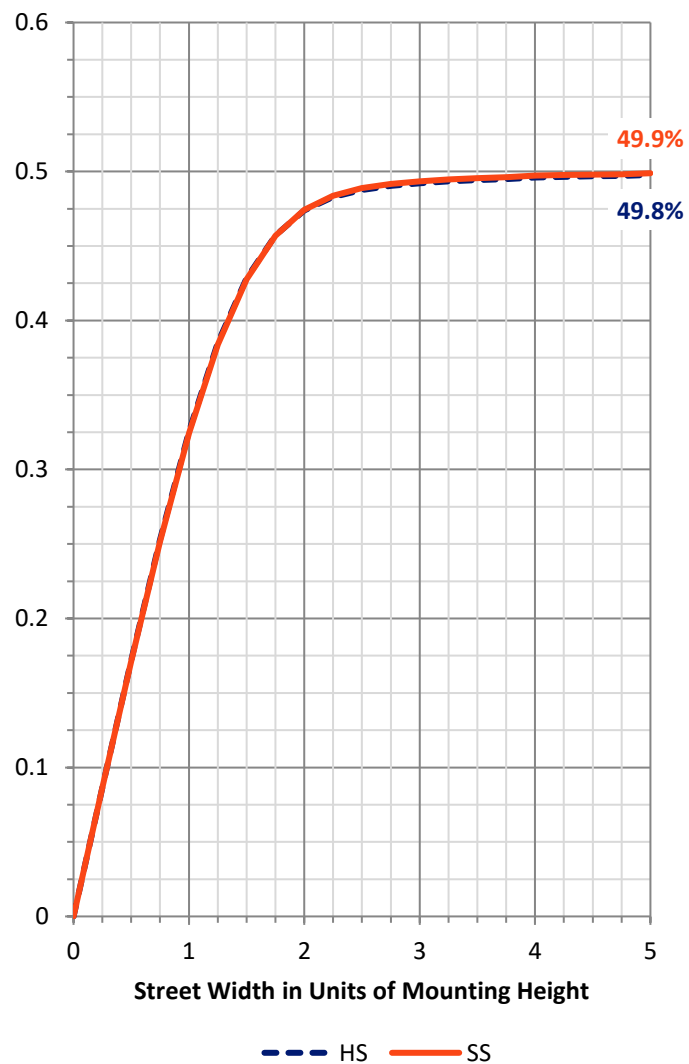
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12098.5	0.0	12098.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12098.5	0.0	12098.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24197.0	0.0	24197.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.9	1.0
10°-20°	837.4	3.5
20°-30°	1618.1	6.7
30°-40°	2732.3	11.3
40°-50°	4333.2	17.9
50°-60°	5801.6	24.0
60°-70°	5521.3	22.8
70°-80°	2881.1	11.9
80°-90°	218.1	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°	24197.0	100.0
0°-180°	24197.0	100.0

Coefficient of Utilization



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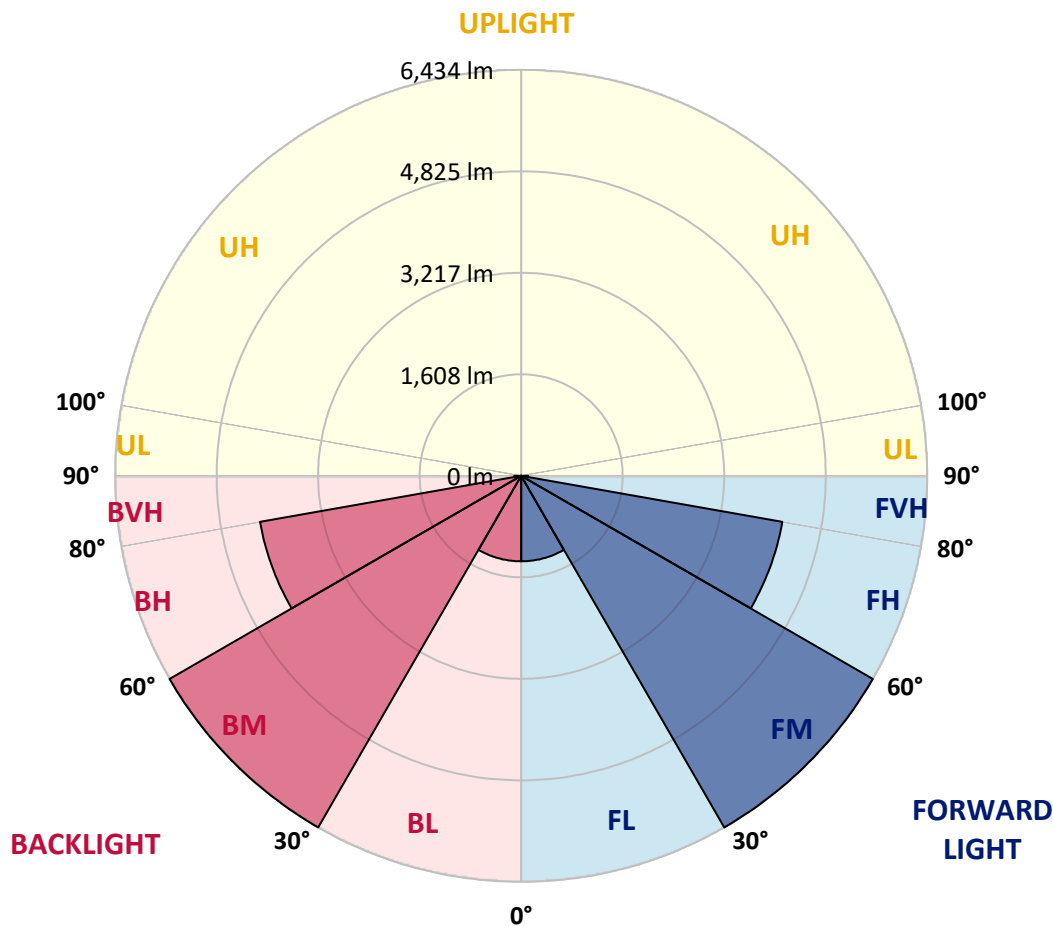
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1354.7	5.6			
FM	(30°-60°)	6433.5	26.6			
FH	(60°-80°)	4201.2	17.4			G2/5000
FVH	(80°-90°)	109.0	0.5			G2/225
BL	(0°-30°)	1354.7	5.6	B3/2500		
BM	(30°-60°)	6433.5	26.6	B4/8500		
BH	(60°-80°)	4201.2	17.4	B4/5000		G4/5000
BVH	(80°-90°)	109.0	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°	2591.9	2591.9	2591.9	2591.9	2591.9	2591.9	2591.9	2591.9	2591.9	2591.9	2591.9
2.5°	2591.9	2589.5	2591.9	2594.4	2593.2	2593.2	2599.3	2603.1	2610.5	2609.2	2608.0
5°	2574.6	2573.4	2583.3	2594.4	2603.1	2617.9	2636.4	2650.0	2667.3	2671.0	2671.0
7.5°	2566.0	2562.3	2579.6	2599.3	2626.5	2663.6	2699.4	2736.5	2766.1	2776.0	2778.5
10°	2572.2	2573.4	2596.9	2633.9	2677.2	2729.1	2779.7	2842.7	2884.7	2894.6	2904.5
12.5°	2600.6	2598.1	2637.6	2696.9	2756.2	2821.7	2881.0	2950.2	2995.9	3019.4	3029.3
15°	2652.5	2647.5	2703.1	2790.8	2877.3	2953.9	3002.1	3067.6	3120.7	3150.3	3161.5
17.5°	2714.2	2716.7	2789.6	2903.3	3016.9	3103.4	3149.1	3182.5	3223.2	3249.2	3261.5
20°	2823.0	2827.9	2909.4	3044.1	3173.8	3272.7	3309.7	3297.4	3308.5	3328.2	3343.1
22.5°	2968.7	2971.2	3062.6	3208.4	3344.3	3453.0	3477.7	3427.1	3396.2	3409.8	3419.7
25°	3138.0	3154.1	3245.5	3395.0	3534.6	3638.3	3649.5	3572.9	3496.3	3500.0	3506.1
27.5°	3344.3	3359.1	3451.8	3600.0	3742.1	3832.3	3831.1	3728.5	3616.1	3587.7	3596.3
30°	3567.9	3584.0	3679.1	3832.3	3964.5	4043.6	4026.3	3904.0	3743.4	3690.2	3696.4
32.5°	3833.5	3843.4	3939.8	4093.0	4215.3	4278.3	4242.5	4091.7	3891.6	3831.1	3845.9
35°	4154.8	4169.6	4241.2	4385.8	4493.3	4545.1	4484.6	4306.7	4081.9	4013.9	4023.8
37.5°	4521.7	4511.8	4593.3	4721.8	4810.8	4842.9	4760.1	4548.9	4299.3	4219.0	4233.8
40°	4904.7	4899.7	4988.7	5112.2	5160.4	5180.2	5057.8	4826.8	4550.1	4463.6	4492.0
42.5°	5251.8	5248.1	5367.9	5505.1	5563.1	5540.9	5386.5	5122.1	4840.4	4741.6	4766.3
45°	5529.8	5524.8	5671.9	5864.6	5978.2	5941.2	5733.6	5448.2	5134.4	5031.9	5055.4
47.5°	5743.5	5746.0	5904.1	6142.6	6341.5	6355.1	6088.2	5780.6	5458.1	5342.0	5376.6
50°	5897.9	5905.4	6074.6	6339.0	6610.8	6730.6	6450.2	6121.6	5792.9	5662.0	5701.5
52.5°	5936.2	5949.8	6153.7	6463.8	6783.7	7012.3	6818.3	6448.9	6110.4	5985.7	6017.8
55°	5732.4	5759.6	6017.8	6453.9	6890.0	7197.6	7142.0	6781.3	6430.4	6301.9	6337.8
57.5°	5264.2	5302.5	5603.9	6173.4	6866.5	7324.9	7392.8	7100.0	6750.4	6626.8	6655.3
60°	4608.2	4653.9	4943.0	5564.4	6535.4	7371.8	7569.5	7410.1	7044.4	6924.6	6950.5
62.5°	3618.6	3677.9	4023.8	4752.7	5836.2	7153.1	7720.2	7690.6	7308.8	7159.3	7176.6
65°	2321.4	2384.4	2748.8	3609.9	4903.4	6483.5	7767.1	7963.6	7588.0	7379.2	7405.2
67.5°	1399.7	1428.2	1608.5	2187.9	3584.0	5474.2	7369.3	8266.3	7914.2	7654.7	7674.5
70°	895.7	911.7	1019.2	1284.8	2026.1	3994.1	6383.5	8323.1	8309.5	7937.6	7935.2
72.5°	607.8	612.8	641.2	761.0	1146.5	2269.5	4708.2	7534.9	8556.6	8302.1	8262.6
75°	444.8	471.9	517.6	538.6	651.1	1134.1	2698.2	5293.8	7211.2	7322.4	7053.1
77.5°	331.1	332.3	395.3	420.0	464.5	604.1	1141.5	2955.1	4477.2	4700.8	4193.0
80°	280.4	265.6	264.4	338.5	349.6	376.8	510.2	1020.5	1603.6	972.3	735.1
82.5°	233.5	217.4	196.4	264.4	238.4	231.0	221.1	415.1	510.2	250.8	213.7
85°	163.1	155.7	148.3	173.0	135.9	116.1	106.2	194.0	215.0	106.2	93.9
87.5°	70.4	72.9	74.1	76.6	56.8	40.8	40.8	54.4	54.4	42.0	30.9
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)