

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: P949828

Luminaire Tested: **GALN-SB4C-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949828
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-SB4C-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25966 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 200.7
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

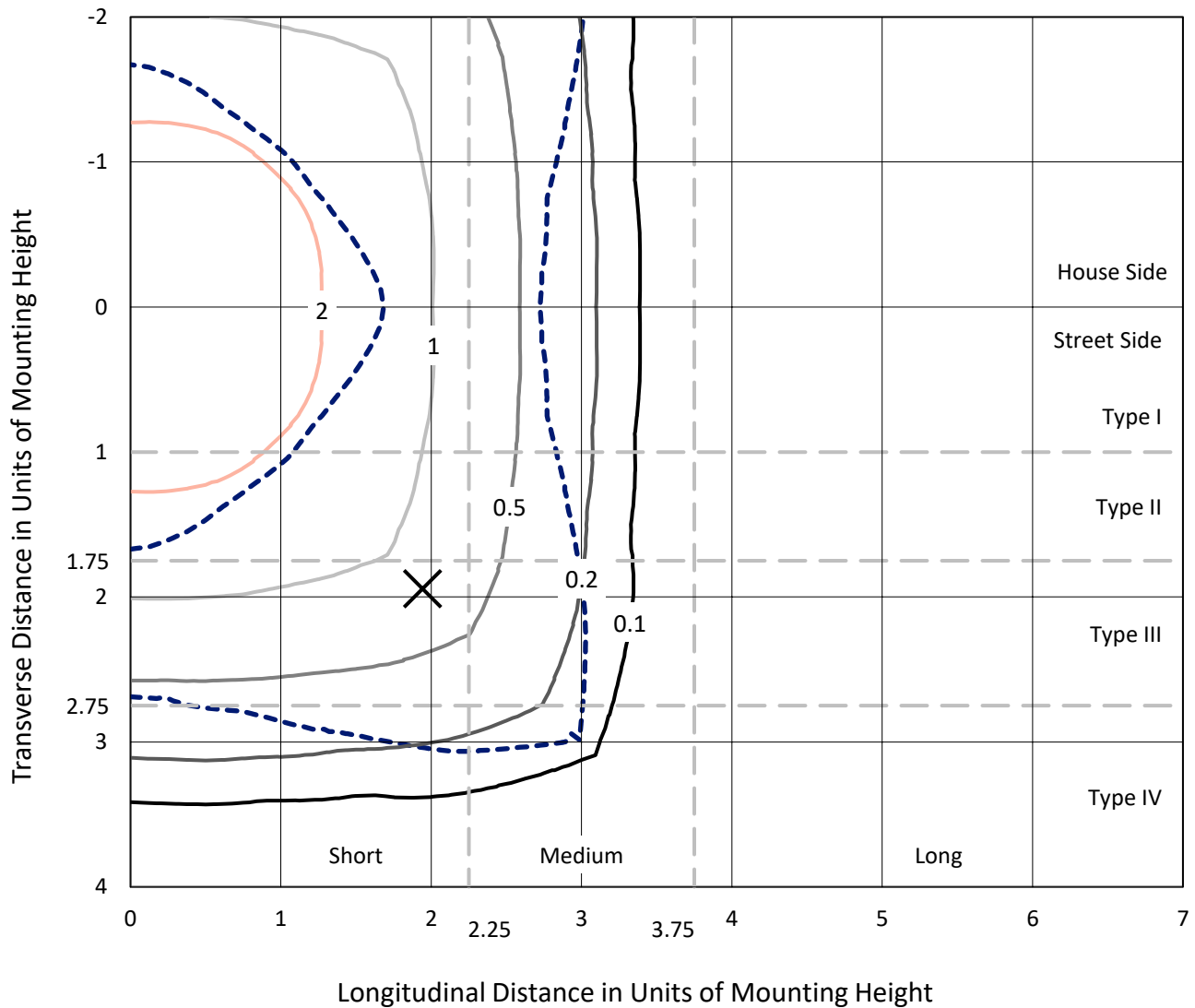


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

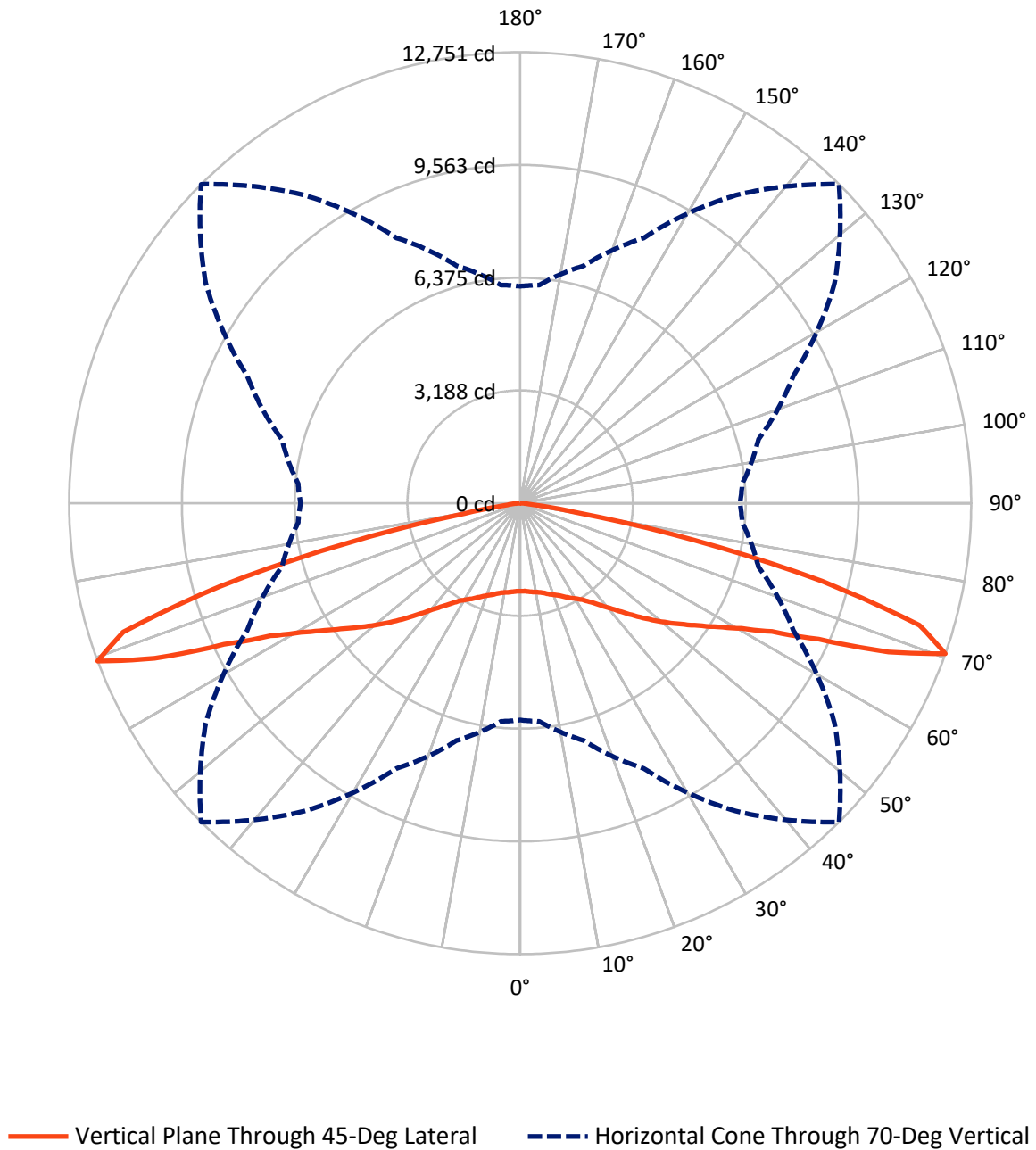


Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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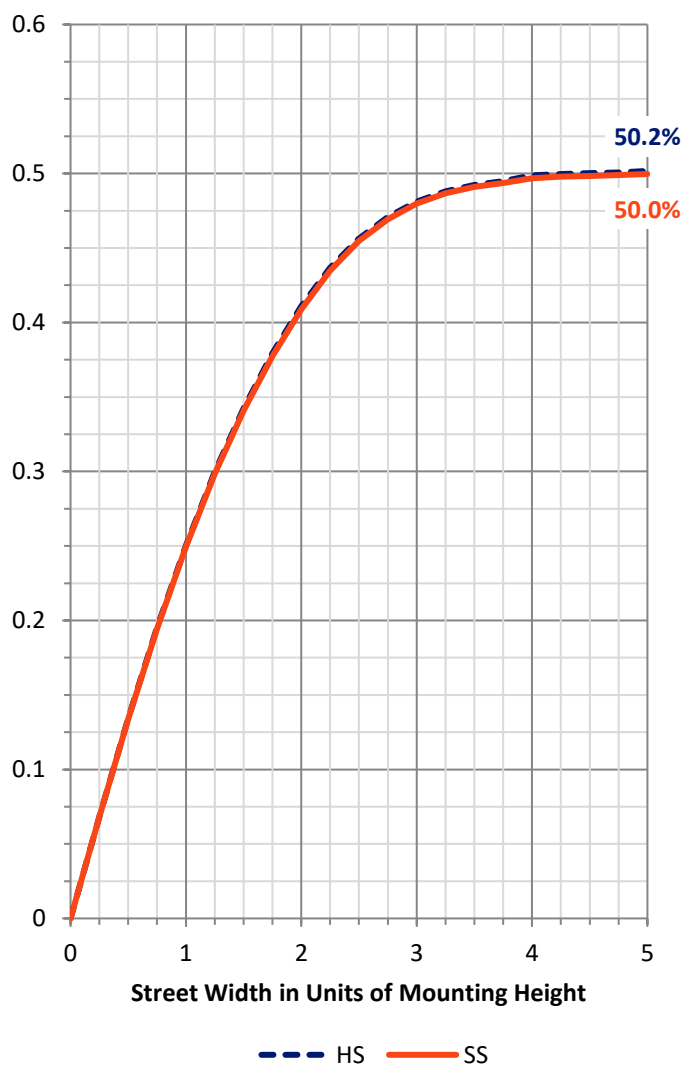
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12983.0	0.0	12983.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12983.0	0.0	12983.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25966.0	0.0	25966.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.6	0.9
10°-20°	749.3	2.9
20°-30°	1339.1	5.2
30°-40°	2170.6	8.4
40°-50°	3535.6	13.6
50°-60°	5390.6	20.8
60°-70°	8019.5	30.9
70°-80°	4370.9	16.8
80°-90°	148.9	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°	25966.0	100.0
0°-180°	25966.0	100.0

Coefficient of Utilization



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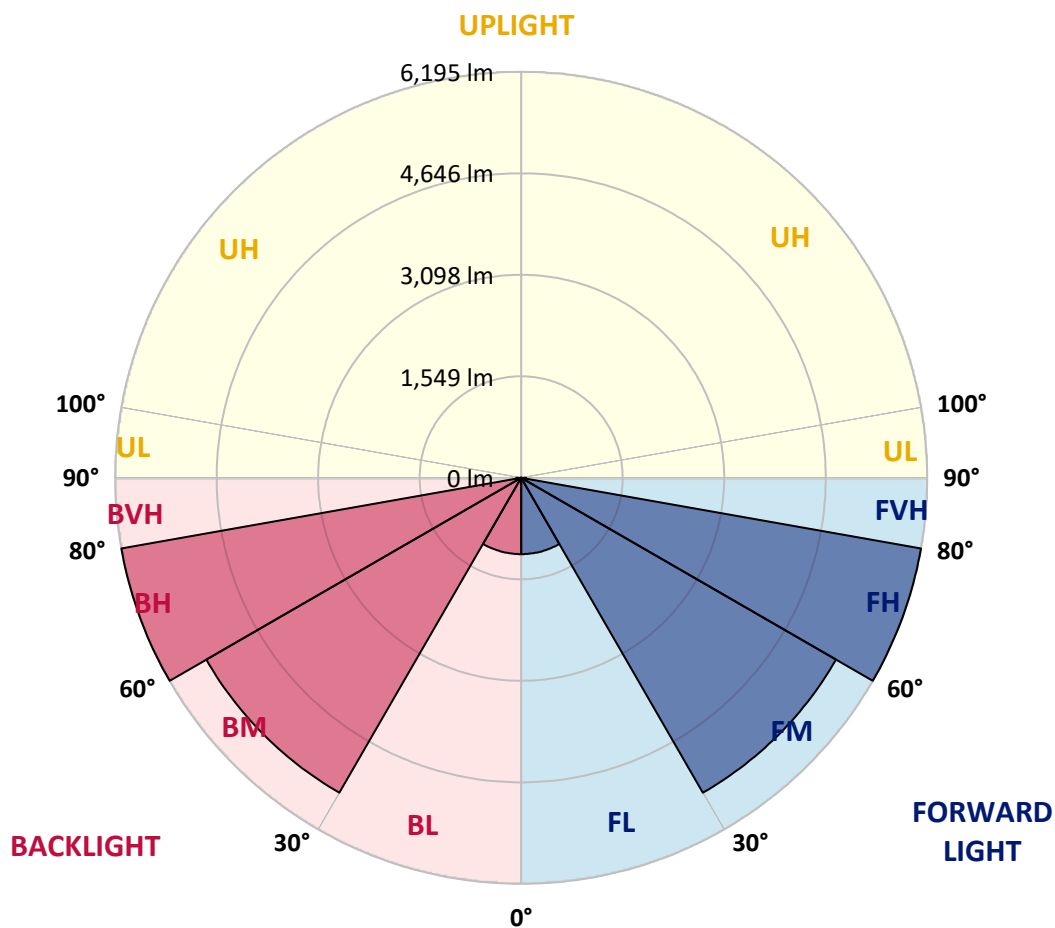
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1165.0	4.5			
FM	(30°-60°)	5548.4	21.4			
FH	(60°-80°)	6195.2	23.9			G3/7500
FVH	(80°-90°)	74.4	0.3			G1/100
BL	(0°-30°)	1165.0	4.5	B3/2500		
BM	(30°-60°)	5548.4	21.4	B4/8500		
BH	(60°-80°)	6195.2	23.9	B5		G3/7500
BVH	(80°-90°)	74.4	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°	2487.3	2487.3	2487.3	2487.3	2487.3	2487.3	2487.3	2487.3	2487.3	2487.3	2487.3
2.5°	2499.0	2501.6	2496.4	2493.8	2491.2	2487.3	2488.6	2495.1	2500.3	2499.0	2500.3
5°	2519.9	2522.5	2518.6	2517.3	2512.0	2510.7	2510.7	2517.3	2521.2	2518.6	2519.9
7.5°	2543.3	2547.2	2540.7	2539.4	2536.8	2534.2	2532.9	2539.4	2543.3	2543.3	2543.3
10°	2565.5	2569.4	2564.2	2560.3	2557.7	2557.7	2555.1	2560.3	2566.8	2565.5	2565.5
12.5°	2589.0	2591.6	2586.3	2583.7	2583.7	2587.7	2583.7	2586.3	2591.6	2589.0	2587.7
15°	2617.6	2618.9	2617.6	2621.5	2628.1	2641.1	2629.4	2626.8	2629.4	2622.8	2622.8
17.5°	2656.7	2659.3	2664.6	2673.7	2682.8	2706.3	2685.4	2678.9	2678.9	2665.9	2665.9
20°	2705.0	2708.9	2716.7	2732.4	2744.1	2766.2	2745.4	2736.3	2732.4	2715.4	2715.4
22.5°	2755.8	2762.3	2774.1	2794.9	2815.8	2836.6	2815.8	2800.1	2788.4	2766.2	2764.9
25°	2814.5	2822.3	2840.6	2874.4	2903.1	2933.1	2908.3	2877.1	2853.6	2822.3	2821.0
27.5°	2897.9	2907.0	2929.2	2970.9	3007.4	3033.5	3010.0	2969.6	2937.0	2899.2	2897.9
30°	3015.2	3024.4	3050.4	3094.8	3119.5	3136.5	3120.8	3089.5	3050.4	3007.4	3007.4
32.5°	3166.5	3178.2	3206.9	3248.6	3253.8	3256.4	3251.2	3235.5	3206.9	3154.7	3156.0
35°	3358.1	3371.1	3403.7	3437.6	3432.4	3437.6	3429.8	3424.6	3403.7	3343.7	3343.7
37.5°	3592.7	3608.4	3642.3	3668.3	3655.3	3648.8	3650.1	3651.4	3639.7	3573.2	3573.2
40°	3865.2	3886.0	3910.8	3938.2	3916.0	3896.5	3909.5	3919.9	3909.5	3841.7	3841.7
42.5°	4145.5	4175.4	4201.5	4240.6	4222.4	4197.6	4215.9	4227.6	4205.4	4132.4	4137.6
45°	4457.0	4485.7	4519.6	4578.3	4565.2	4539.1	4565.2	4567.8	4530.0	4444.0	4453.1
47.5°	4779.0	4809.0	4859.8	4938.0	4932.8	4904.2	4938.0	4919.8	4871.6	4768.6	4762.1
50°	5084.1	5125.8	5204.0	5313.5	5323.9	5288.7	5334.3	5299.1	5218.3	5089.3	5086.7
52.5°	5370.8	5415.2	5539.0	5687.6	5725.4	5679.8	5741.1	5679.8	5558.6	5393.0	5377.4
55°	5672.0	5721.5	5868.8	6063.1	6138.7	6104.8	6162.1	6069.6	5897.5	5696.7	5669.4
57.5°	6026.6	6056.5	6232.5	6463.3	6591.0	6598.8	6624.9	6468.5	6259.9	6031.8	6000.5
60°	6411.1	6452.8	6644.5	6920.8	7122.9	7188.1	7160.7	6928.6	6686.2	6424.2	6382.4
62.5°	6903.9	6949.5	7178.9	7510.1	7829.4	7991.1	7884.2	7547.9	7248.0	6933.9	6879.1
65°	7311.9	7362.7	7777.3	8367.8	8949.2	9273.8	9005.3	8386.1	7846.4	7403.2	7330.2
67.5°	7016.0	7078.6	7729.1	8813.7	10259.4	11227.9	10308.9	8946.6	7889.4	7288.4	7198.5
70°	6132.1	6190.8	6949.5	8275.3	10628.3	12750.5	10849.9	8519.0	6974.3	6301.6	6211.7
72.5°	4071.2	4260.2	5028.0	6618.4	9490.2	11798.9	9584.1	6484.1	4664.3	4062.0	3930.4
75°	1350.5	1501.8	2025.8	3431.1	6356.4	8824.1	6051.3	3036.1	1604.7	1155.0	1092.4
77.5°	340.2	392.4	541.0	981.6	2535.5	5024.1	2282.6	801.7	436.7	305.0	272.5
80°	165.6	182.5	260.7	327.2	634.9	1596.9	595.7	307.7	206.0	159.0	146.0
82.5°	91.3	92.6	147.3	185.1	236.0	413.2	245.1	179.9	118.6	96.5	96.5
85°	56.1	54.8	78.2	99.1	99.1	147.3	117.3	99.1	67.8	60.0	62.6
87.5°	22.2	22.2	28.7	31.3	27.4	37.8	30.0	32.6	26.1	24.8	26.1
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)