

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: P948757

Luminaire Tested: **GALN-SB3D-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948757
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-SB3D-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26414 lumens
Efficiency: N/A
Efficacy: 121.1 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): 218.1
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



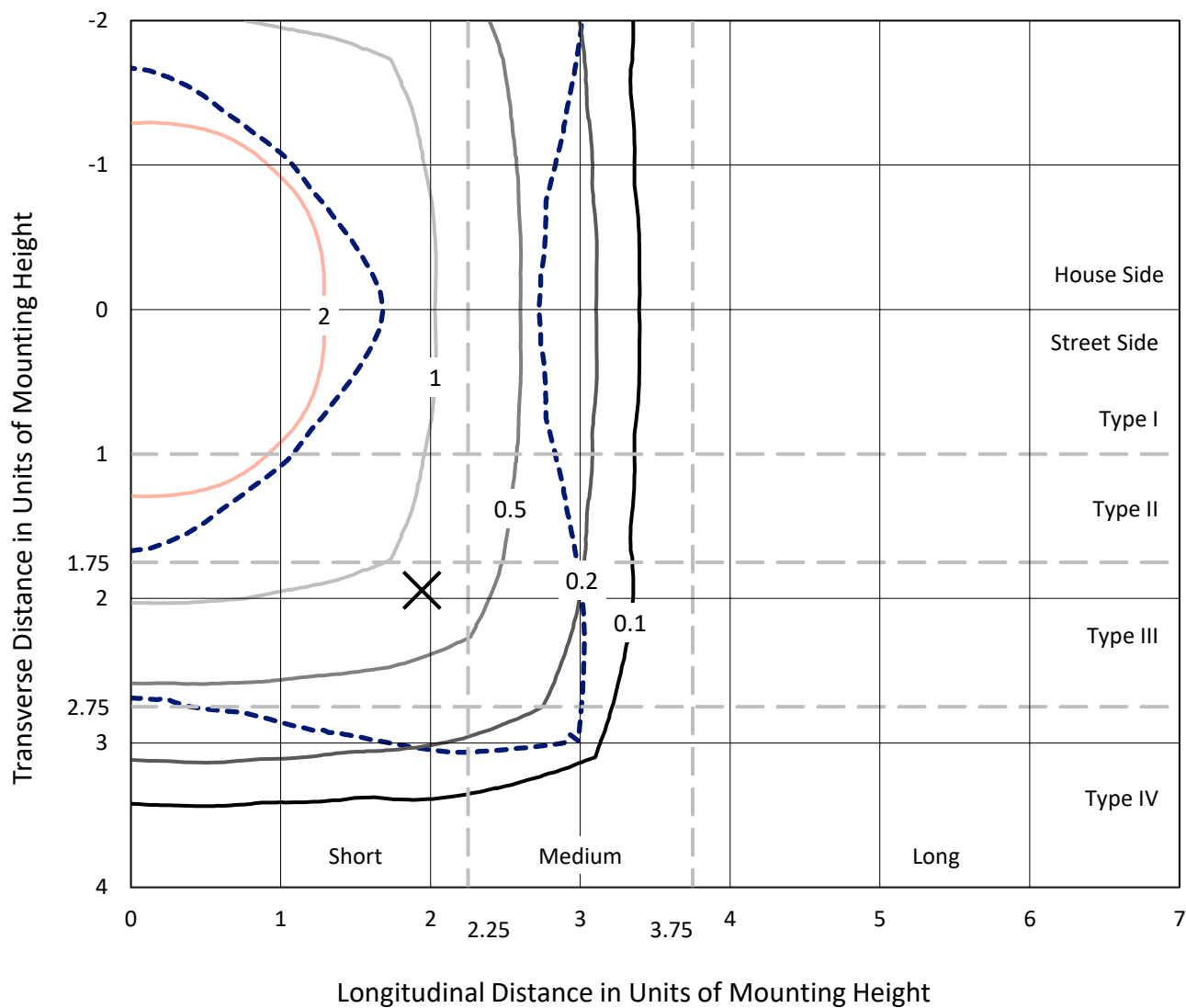
REPORT NUMBER: P948757

CATALOG NUMBER: GALN-SB3D-722-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

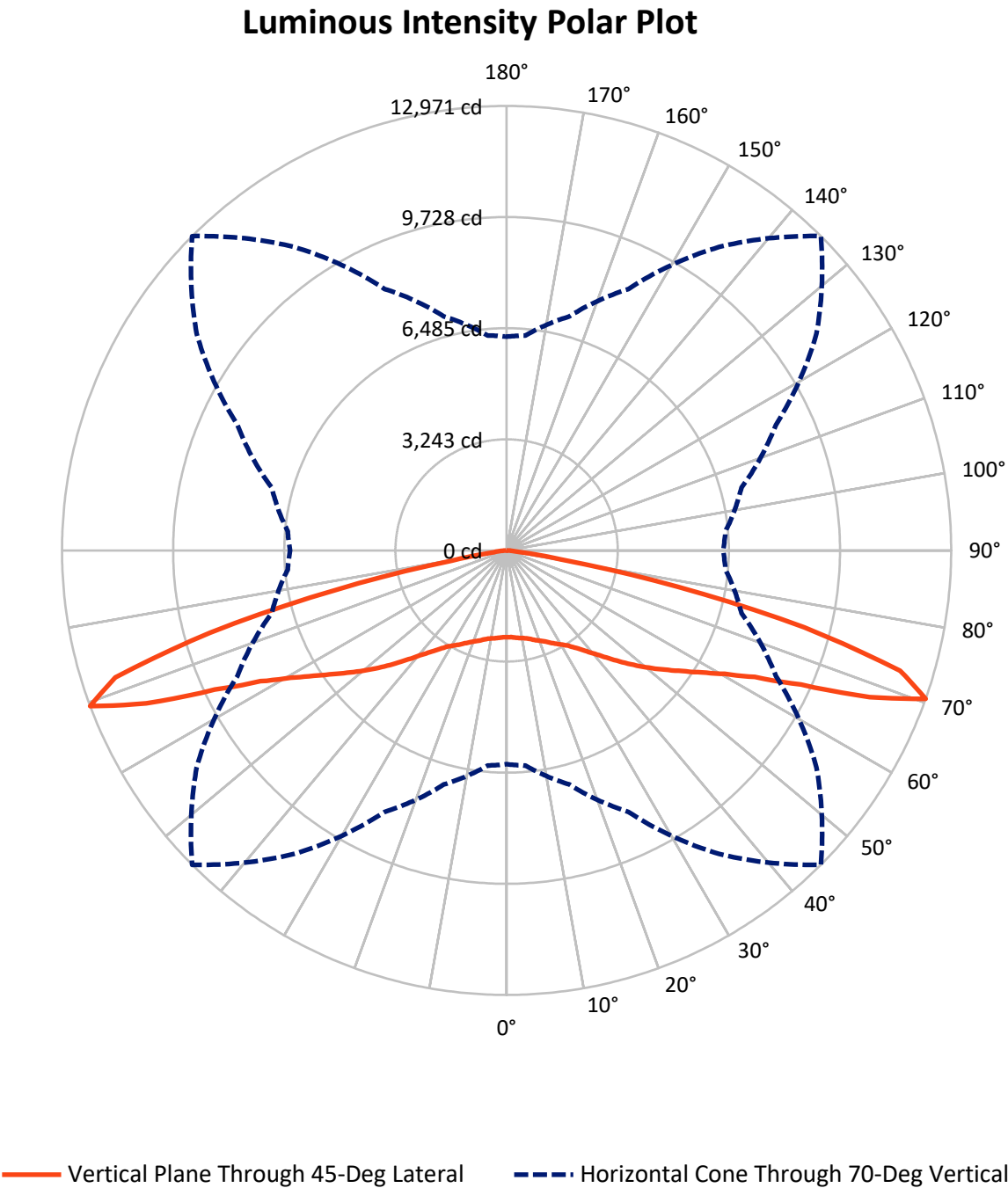
--- 1/2 Max cd



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

Type V - Short - N/A

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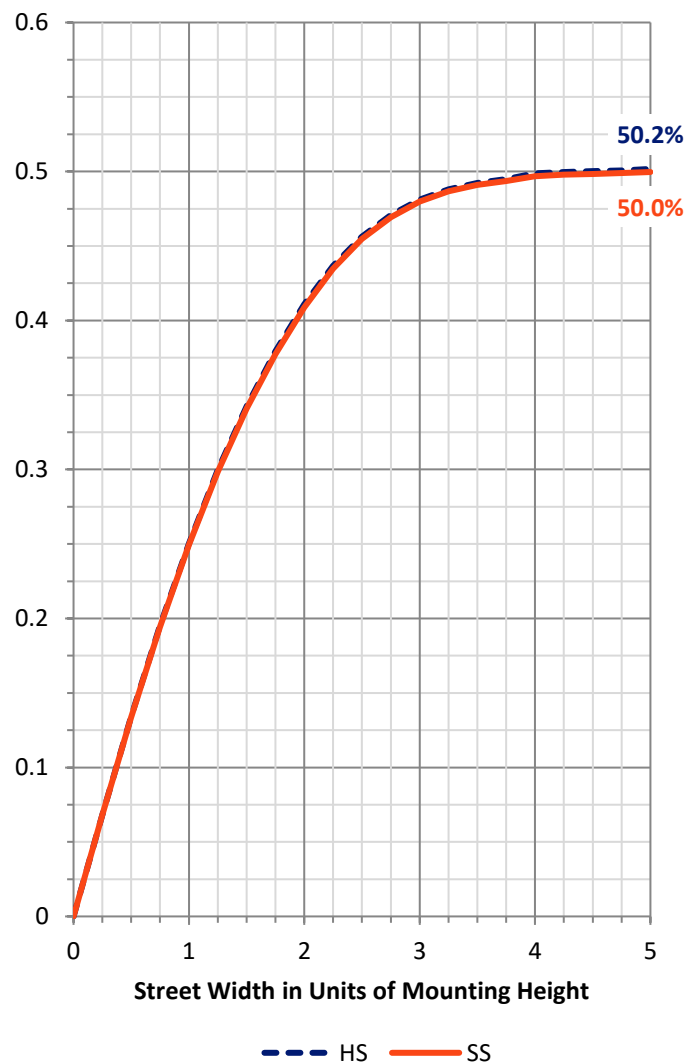
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13207.0	0.0	13207.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13207.0	0.0	13207.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26414.0	0.0	26414.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.8	0.9
10°-20°	762.2	2.9
20°-30°	1362.2	5.2
30°-40°	2208.1	8.4
40°-50°	3596.6	13.6
50°-60°	5483.6	20.8
60°-70°	8157.8	30.9
70°-80°	4446.3	16.8
80°-90°	151.4	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°	26414.0	100.0
0°-180°	26414.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948757

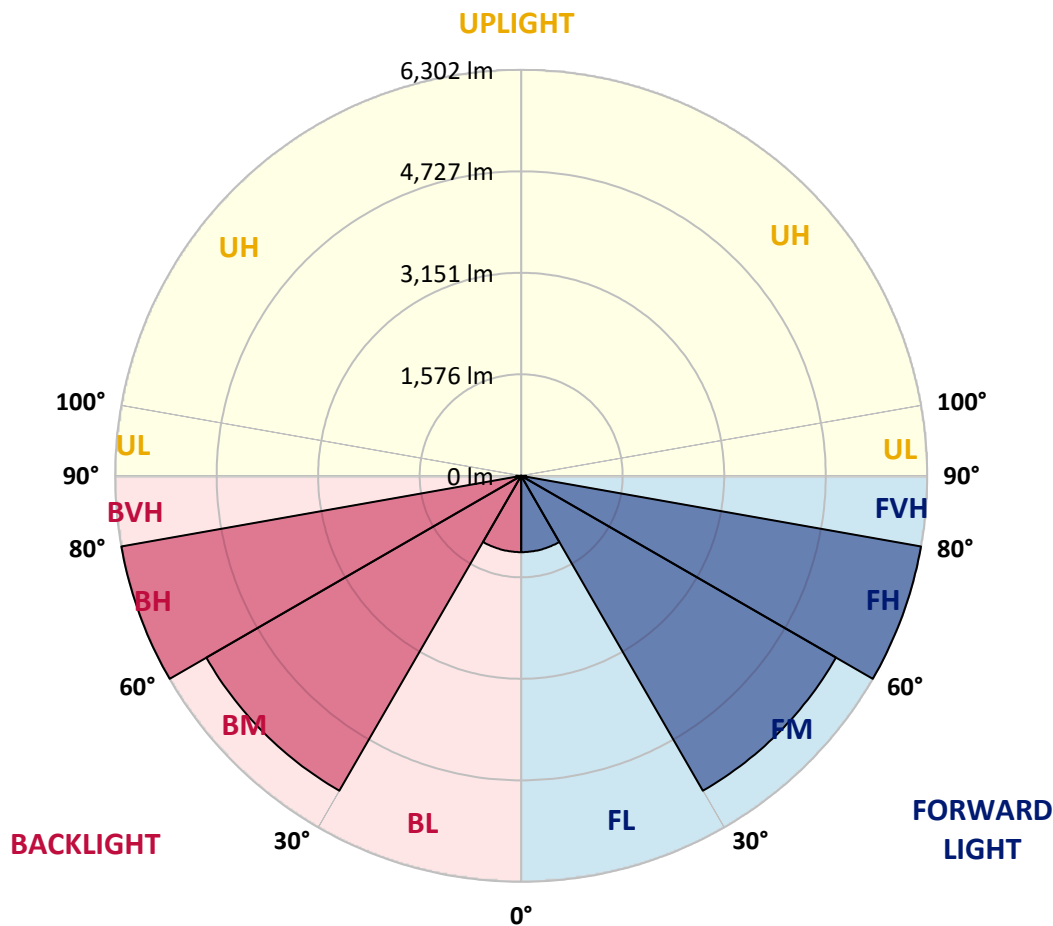
CATALOG NUMBER: GALN-SB3D-722-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1185.1	4.5			
FM	(30°-60°)	5644.1	21.4			
FH	(60°-80°)	6302.1	23.9			G3/7500
FVH	(80°-90°)	75.7	0.3			G1/100
BL	(0°-30°)	1185.1	4.5	B3/2500		
BM	(30°-60°)	5644.1	21.4	B4/8500		
BH	(60°-80°)	6302.1	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2530.2	2530.2	2530.2	2530.2	2530.2	2530.2	2530.2	2530.2	2530.2	2530.2	2530.2
2.5°	2542.1	2544.8	2539.5	2536.8	2534.2	2530.2	2531.5	2538.1	2543.4	2542.1	2543.4
5°	2563.3	2566.0	2562.0	2560.7	2555.4	2554.1	2554.1	2560.7	2564.7	2562.0	2563.3
7.5°	2587.2	2591.2	2584.6	2583.2	2580.6	2577.9	2576.6	2583.2	2587.2	2587.2	2587.2
10°	2609.8	2613.7	2608.4	2604.4	2601.8	2601.8	2599.1	2604.4	2611.1	2609.8	2609.8
12.5°	2633.6	2636.3	2631.0	2628.3	2628.3	2632.3	2628.3	2631.0	2636.3	2633.6	2632.3
15°	2662.8	2664.1	2662.8	2666.8	2673.4	2686.7	2674.7	2672.1	2674.7	2668.1	2668.1
17.5°	2702.6	2705.2	2710.5	2719.8	2729.1	2753.0	2731.8	2725.1	2725.1	2711.9	2711.9
20°	2751.6	2755.6	2763.6	2779.5	2791.4	2814.0	2792.8	2783.5	2779.5	2762.3	2762.3
22.5°	2803.4	2810.0	2821.9	2843.1	2864.4	2885.6	2864.4	2848.5	2836.5	2814.0	2812.6
25°	2863.0	2871.0	2889.6	2924.0	2953.2	2983.7	2958.5	2926.7	2902.8	2871.0	2869.7
27.5°	2947.9	2957.2	2979.7	3022.2	3059.3	3085.8	3062.0	3020.8	2987.7	2949.2	2947.9
30°	3067.3	3076.5	3103.1	3148.1	3173.3	3190.6	3174.7	3142.8	3103.1	3059.3	3059.3
32.5°	3221.1	3233.0	3262.2	3304.6	3309.9	3312.6	3307.3	3291.4	3262.2	3209.1	3210.5
35°	3416.0	3429.3	3462.4	3496.9	3491.6	3496.9	3489.0	3483.6	3462.4	3401.4	3401.4
37.5°	3654.7	3670.6	3705.1	3731.6	3718.4	3711.7	3713.1	3714.4	3702.5	3634.8	3634.8
40°	3931.9	3953.1	3978.3	4006.1	3983.6	3963.7	3977.0	3987.6	3977.0	3908.0	3908.0
42.5°	4217.0	4247.5	4274.0	4313.8	4295.2	4270.0	4288.6	4300.5	4278.0	4203.7	4209.0
45°	4533.9	4563.1	4597.6	4657.2	4644.0	4617.5	4644.0	4646.6	4608.2	4520.7	4529.9
47.5°	4861.5	4892.0	4943.7	5023.2	5017.9	4988.8	5023.2	5004.7	4955.6	4850.9	4844.2
50°	5171.8	5214.2	5293.8	5405.2	5415.8	5380.0	5426.4	5390.6	5308.4	5177.1	5174.4
52.5°	5463.5	5508.6	5634.6	5785.7	5824.2	5777.8	5840.1	5777.8	5654.5	5486.1	5470.1
55°	5769.8	5820.2	5970.1	6167.7	6244.6	6210.1	6268.4	6174.3	5999.3	5795.0	5767.2
57.5°	6130.5	6161.0	6340.1	6574.8	6704.7	6712.7	6739.2	6580.1	6367.9	6135.8	6104.0
60°	6521.7	6564.2	6759.1	7040.2	7245.8	7312.1	7284.2	7048.2	6801.5	6535.0	6492.6
62.5°	7023.0	7069.4	7302.8	7639.6	7964.5	8129.0	8020.2	7678.1	7373.1	7053.5	6997.8
65°	7438.1	7489.8	7911.5	8512.2	9103.6	9433.8	9160.7	8530.8	7981.8	7530.9	7456.6
67.5°	7137.0	7200.7	7862.4	8965.7	10436.4	11421.6	10486.8	9101.0	8025.5	7414.2	7322.7
70°	6237.9	6297.6	7069.4	8418.0	10811.6	12970.5	11037.1	8666.0	7094.6	6410.3	6318.8
72.5°	4141.4	4333.7	5114.7	6732.6	9654.0	12002.5	9749.4	6596.0	4744.8	4132.1	3998.2
75°	1373.8	1527.7	2060.8	3490.3	6466.0	8976.3	6155.7	3088.5	1632.4	1174.9	1111.3
77.5°	346.1	399.2	550.3	998.5	2579.3	5110.8	2322.0	815.5	444.2	310.3	277.2
80°	168.4	185.7	265.2	332.8	645.8	1624.5	606.0	313.0	209.5	161.8	148.5
82.5°	92.8	94.2	149.8	188.3	240.0	420.4	249.3	183.0	120.7	98.1	98.1
85°	57.0	55.7	79.6	100.8	100.8	149.8	119.3	100.8	69.0	61.0	63.7
87.5°	22.5	22.5	29.2	31.8	27.8	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)