

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: STREETWORKS

Report Number: P847591

Luminaire Tested: **GLAN-SB3D-735-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847591
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30306 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

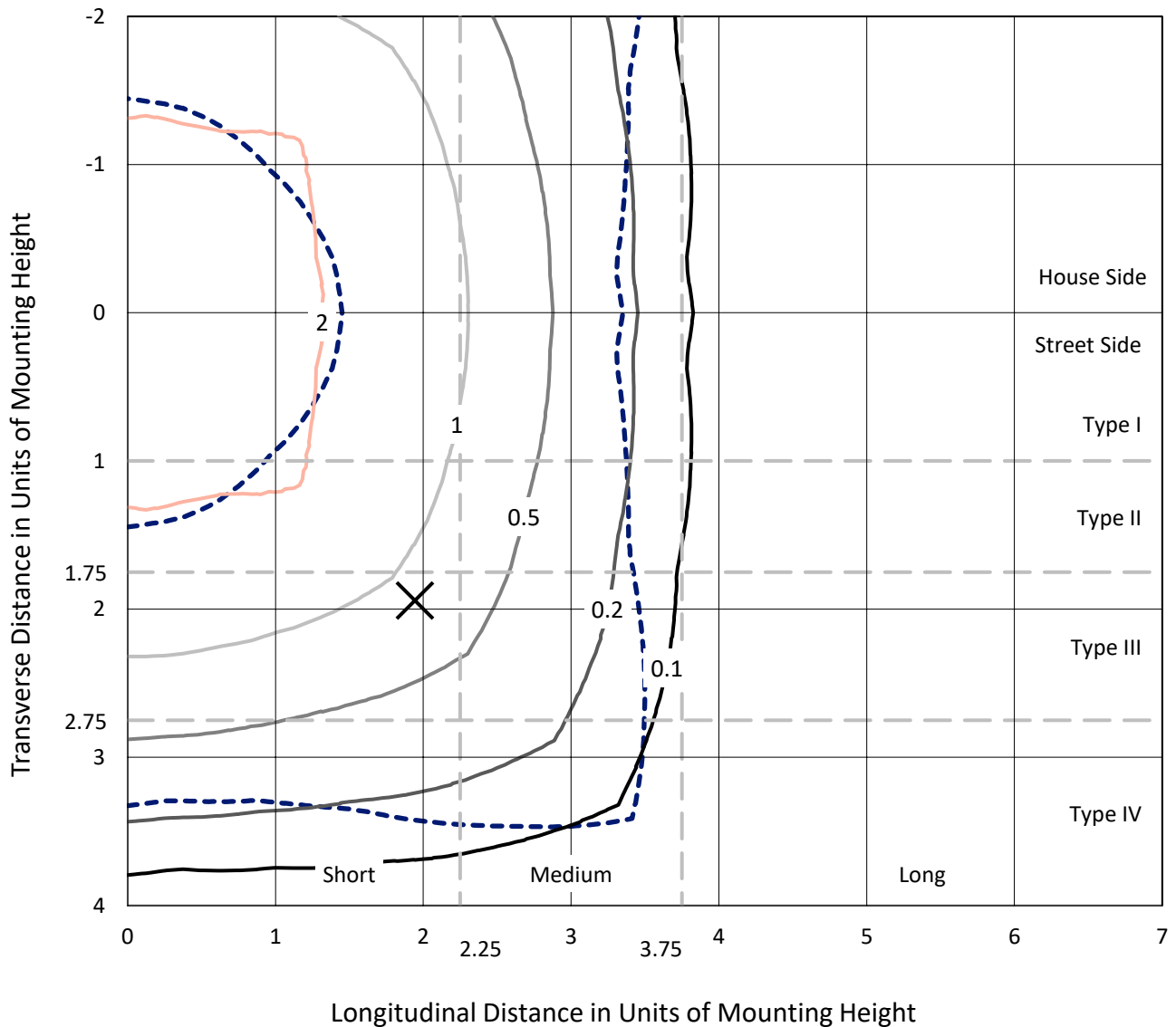
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

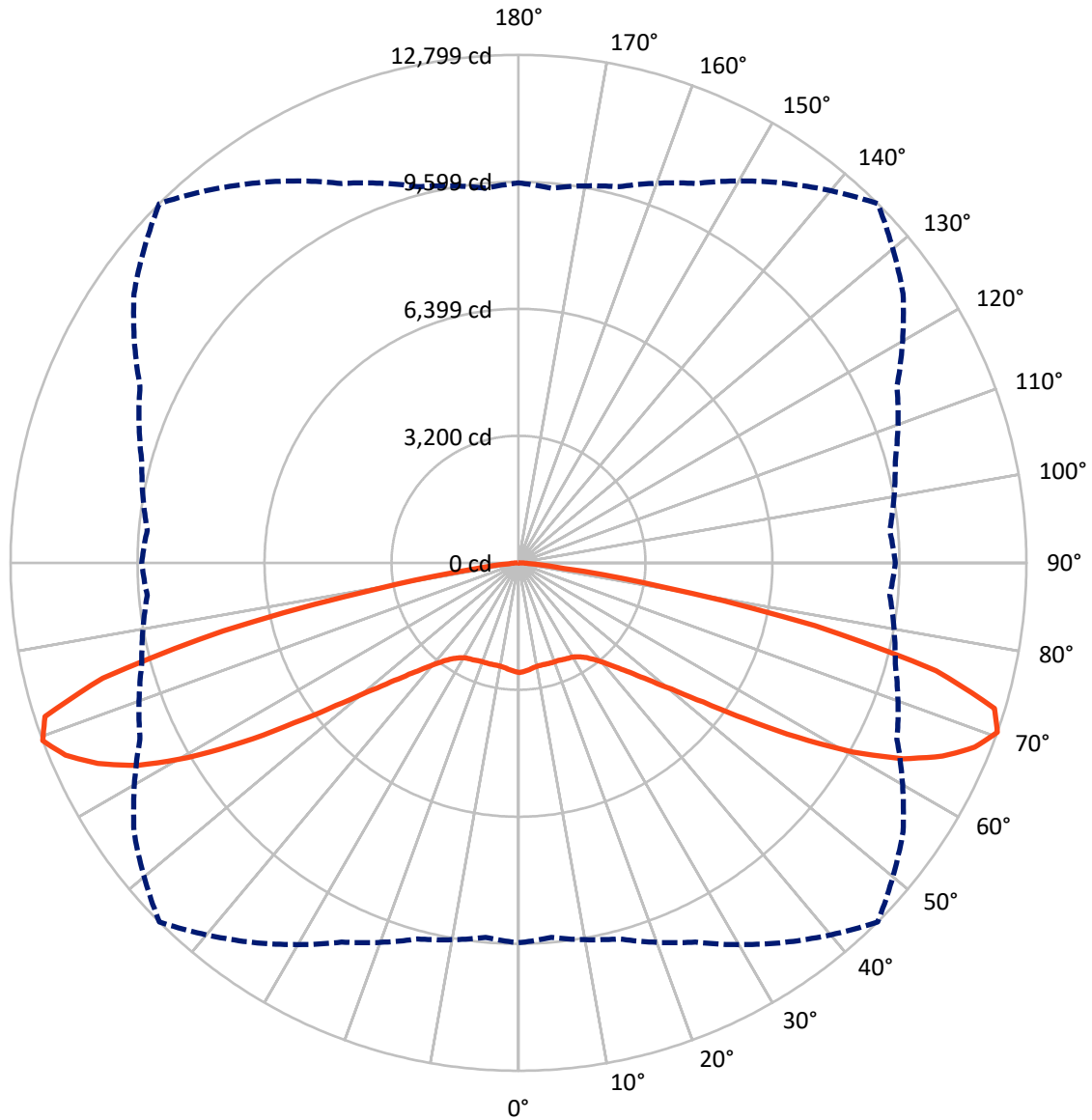
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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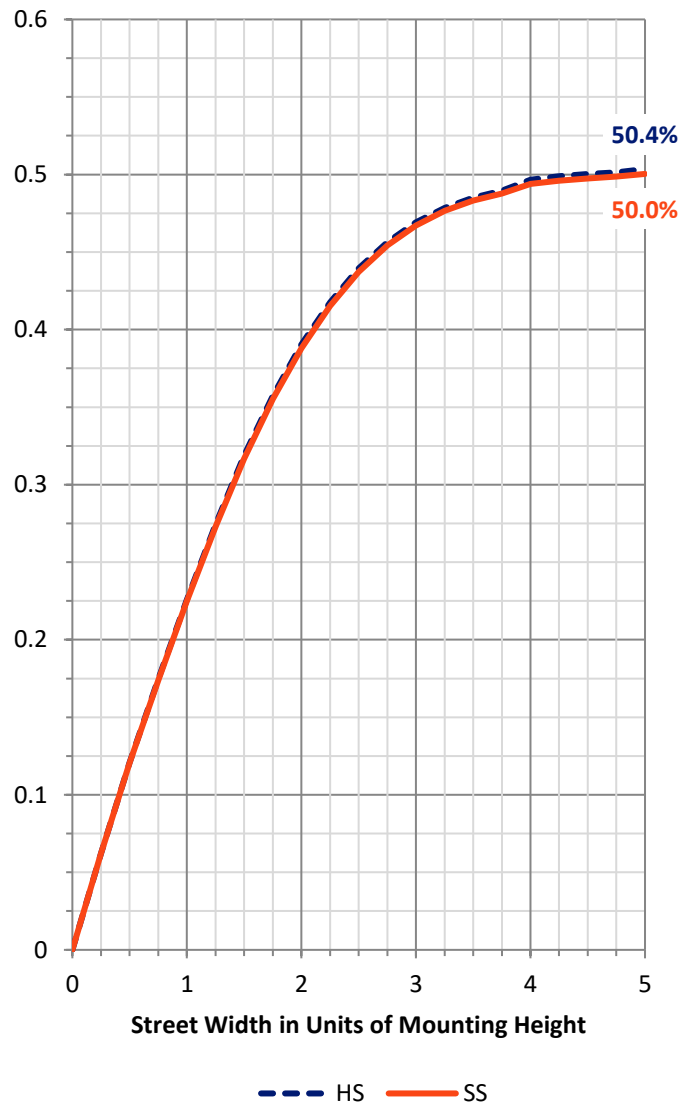
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15153.0	0.0	15153.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15153.0	0.0	15153.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30306.0	0.0	30306.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.2	0.8
10°-20°	755.1	2.5
20°-30°	1256.6	4.1
30°-40°	1900.4	6.3
40°-50°	3157.9	10.4
50°-60°	5958.9	19.7
60°-70°	10061.9	33.2
70°-80°	6611.7	21.8
80°-90°	346.4	1.1
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°	30306.0	100.0
0°-180°	30306.0	100.0

Coefficient of Utilization



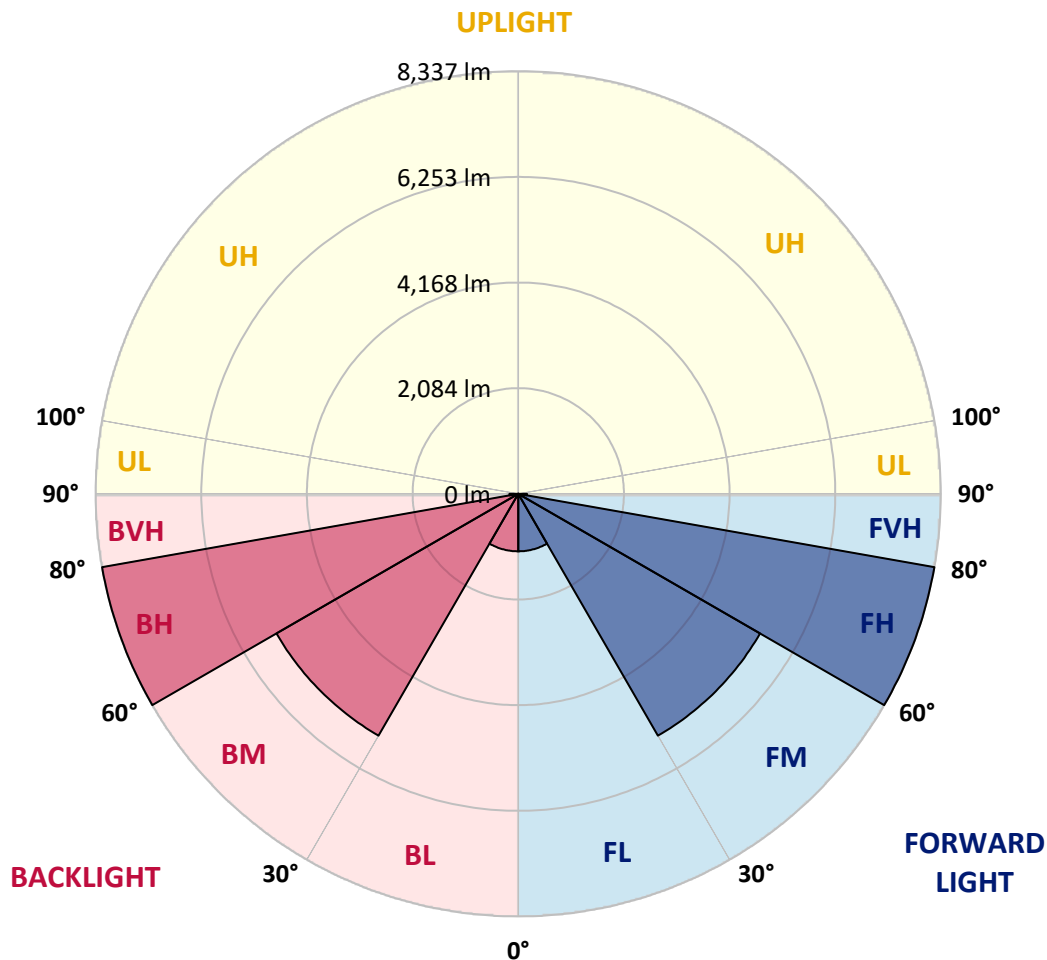
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1134.4	3.7			
FM (30°-60°)	5508.6	18.2			
FH (60°-80°)	8336.8	27.5			G4/12000
FVH (80°-90°)	173.2	0.6			G2/225
BL (0°-30°)	1134.4	3.7	B3/2500		
BM (30°-60°)	5508.6	18.2	B4/8500		
BH (60°-80°)	8336.8	27.5	B5		G4/12000
BVH (80°-90°)	173.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2764.5	2764.5	2764.5	2764.5	2764.5	2764.5	2764.5	2764.5	2764.5	2764.5
2.5°	2747.2	2755.1	2751.9	2745.6	2745.6	2740.9	2745.6	2748.8	2753.5	2756.6
5°	2711.0	2717.3	2715.7	2711.0	2712.5	2707.8	2711.0	2715.7	2718.8	2720.4
7.5°	2679.5	2685.8	2682.6	2674.7	2674.7	2670.0	2671.6	2676.3	2681.0	2682.6
10°	2671.6	2677.9	2668.4	2655.8	2651.1	2644.8	2646.4	2651.1	2660.6	2665.3
12.5°	2674.7	2679.5	2670.0	2651.1	2646.4	2640.1	2640.1	2644.8	2657.4	2663.7
15°	2684.2	2688.9	2674.7	2654.3	2649.5	2644.8	2643.2	2649.5	2663.7	2674.7
17.5°	2701.5	2706.2	2684.2	2655.8	2649.5	2651.1	2649.5	2654.3	2676.3	2696.8
20°	2717.3	2720.4	2690.5	2655.8	2649.5	2651.1	2649.5	2659.0	2687.3	2715.7
22.5°	2722.0	2725.1	2696.8	2666.9	2662.1	2663.7	2662.1	2671.6	2698.4	2726.7
25°	2723.6	2728.3	2706.2	2682.6	2690.5	2693.6	2690.5	2692.1	2712.5	2737.7
27.5°	2747.2	2753.5	2733.0	2712.5	2717.3	2715.7	2720.4	2725.1	2740.9	2766.1
30°	2796.0	2800.7	2783.4	2762.9	2759.8	2748.8	2762.9	2778.7	2796.0	2818.1
32.5°	2876.4	2885.8	2863.8	2841.7	2827.5	2821.2	2832.3	2859.0	2882.7	2906.3
35°	3010.3	3016.6	2996.1	2955.1	2929.9	2929.9	2939.4	2974.0	3011.8	3041.8
37.5°	3199.3	3207.2	3170.9	3122.1	3084.3	3084.3	3096.9	3133.1	3189.8	3232.4
40°	3429.3	3440.3	3394.6	3344.2	3308.0	3301.7	3317.4	3358.4	3411.9	3465.5
42.5°	3706.5	3719.1	3659.2	3615.1	3586.8	3586.8	3594.7	3632.5	3681.3	3747.5
45°	4060.9	4083.0	4001.1	3957.0	3930.2	3936.5	3941.2	3974.3	4018.4	4094.0
47.5°	4483.1	4505.1	4418.5	4372.8	4368.1	4398.0	4379.1	4402.7	4426.4	4513.0
50°	4962.0	4999.8	4939.9	4936.8	4946.2	5001.3	4957.2	4969.8	4943.1	4998.2
52.5°	5547.9	5603.1	5592.0	5610.9	5716.5	5829.9	5729.1	5685.0	5584.2	5601.5
55°	6258.4	6341.9	6357.6	6471.0	6710.5	6942.0	6727.8	6549.8	6335.5	6296.2
57.5°	7066.5	7132.6	7208.2	7439.8	7887.1	8298.3	7887.1	7493.3	7156.2	7075.9
60°	7936.0	8017.9	8090.3	8432.2	9096.9	9675.0	9084.3	8459.0	8013.2	7904.5
62.5°	8870.1	8975.6	9026.0	9405.7	10180.7	10870.6	10191.7	9434.0	8939.4	8822.8
65°	9766.4	9853.0	9909.7	10314.6	11054.9	11746.4	11105.3	10358.7	9849.9	9697.1
67.5°	10183.8	10231.1	10369.7	10828.1	11609.4	12398.6	11741.7	10876.9	10308.3	10040.5
70°	9572.6	9476.5	9810.5	10544.5	11675.6	12798.7	11826.8	10522.5	9826.2	9391.5
72.5°	7397.2	7231.9	7811.5	9067.0	10919.4	12543.5	10995.1	9137.9	8172.3	7290.1
75°	4024.7	3837.2	4637.5	6225.3	8707.8	10872.2	8907.9	6403.3	5163.6	3994.8
77.5°	1135.7	1064.9	1710.7	3011.8	5237.6	7633.5	5439.2	3078.0	2028.9	1203.5
80°	348.1	337.1	456.8	907.3	2224.2	3656.1	2137.6	918.4	581.3	367.0
82.5°	206.4	189.0	226.8	330.8	567.1	1148.3	551.3	345.0	277.2	185.9
85°	118.1	110.3	133.9	160.7	190.6	244.2	159.1	163.8	148.1	99.2
87.5°	48.8	44.1	52.0	50.4	44.1	56.7	42.5	50.4	59.9	39.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2764.5
2755.1
2720.4
2682.6
2665.3
2665.3
2676.3
2696.8
2717.3
2726.7
2736.2
2759.8
2813.3
2896.8
3030.7
3216.6
3448.2
3742.7
4090.9
4487.8
4965.1
5543.2
6234.7
7019.2
7810.0
8728.3
9621.5
10043.6
9495.4
7509.1
4254.7
1337.4
387.5
201.6
104.0
36.2
0.0

OF REPORT)