

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: P847581

Luminaire Tested: **GLAN-SB3D-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847581
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-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29832 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

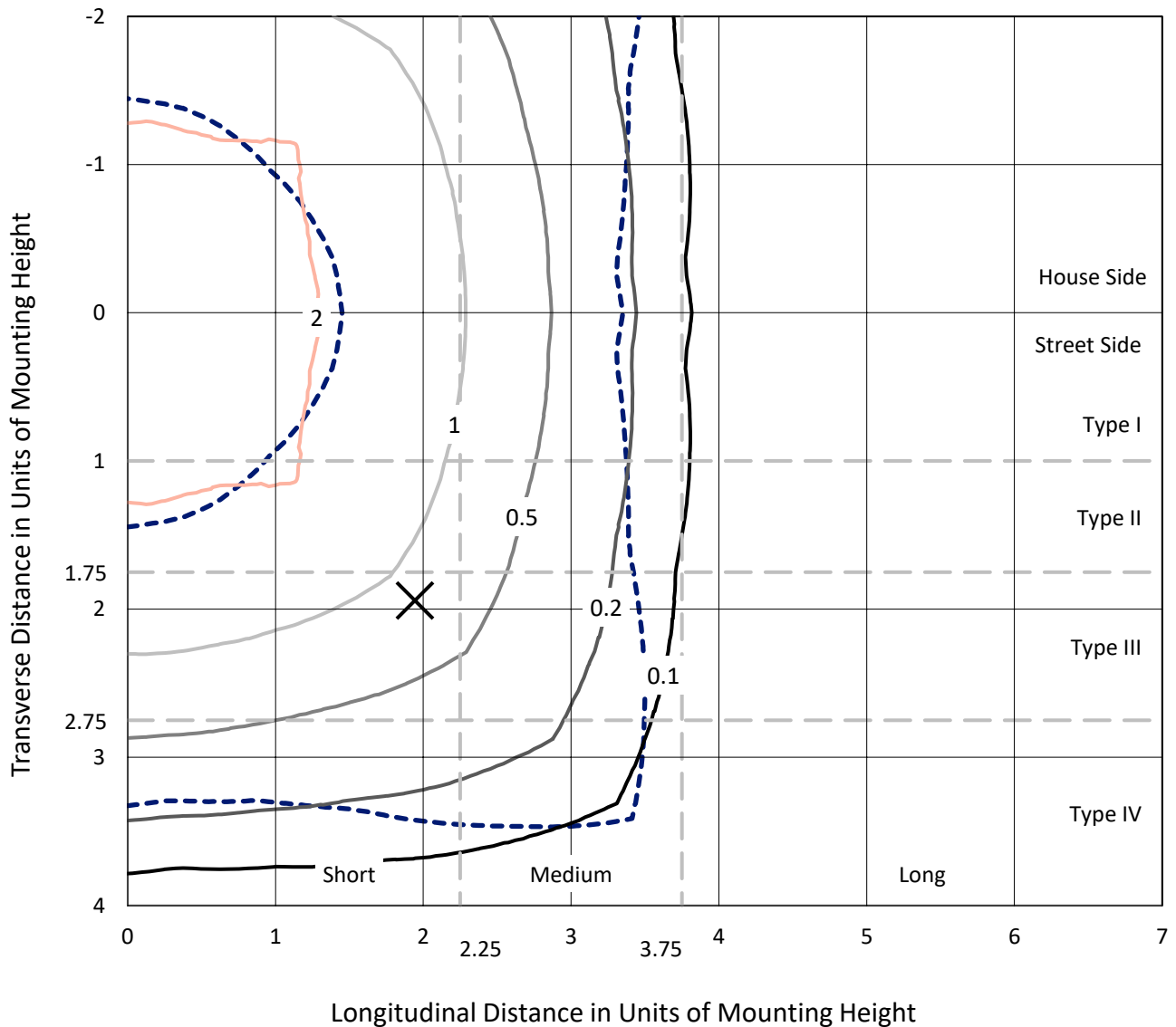
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

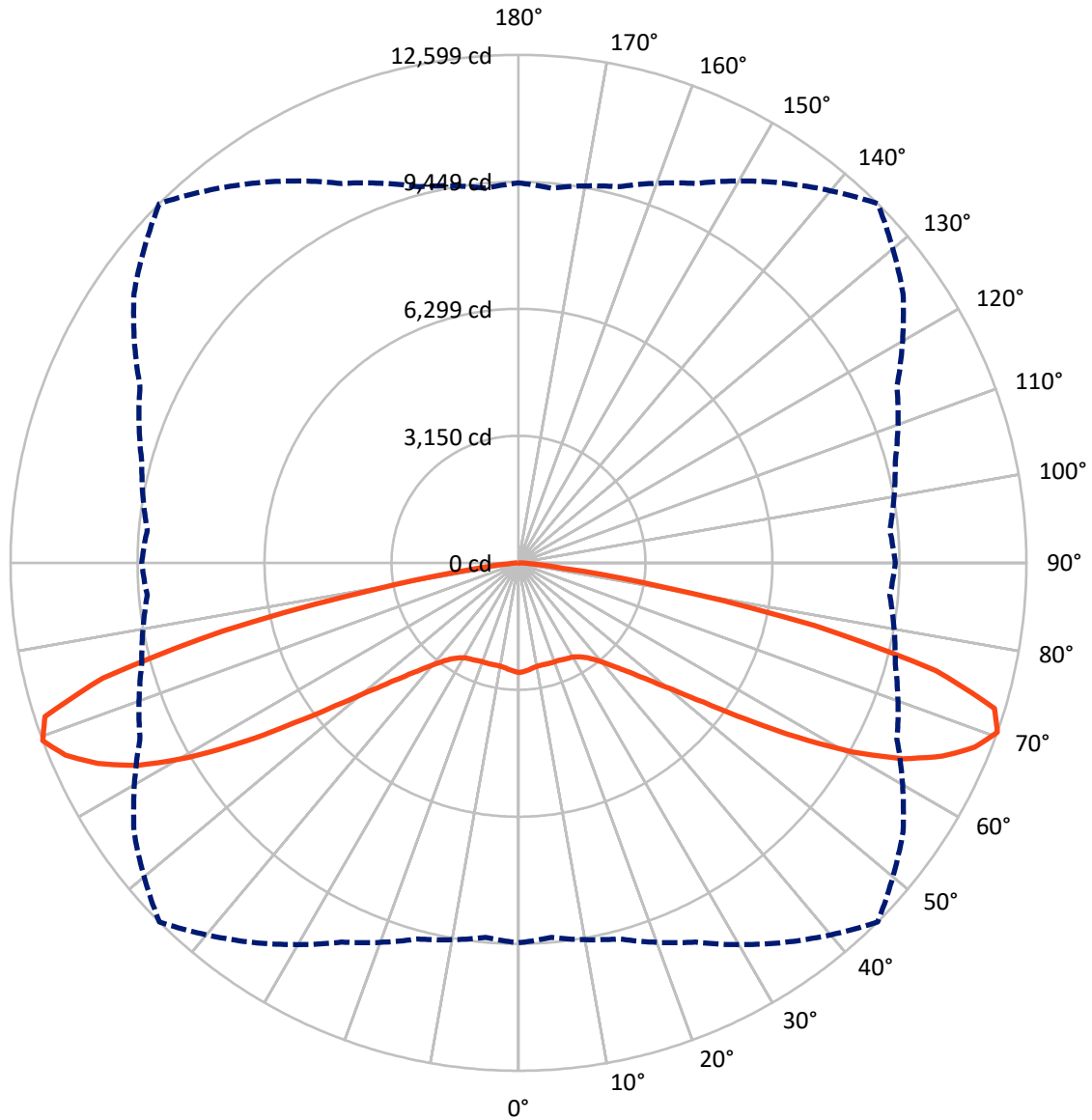
✕ Max cd
 - - - 1/2 Max cd



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	14916.0	0.0	14916.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14916.0	0.0	14916.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29832.0	0.0	29832.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.1	0.8
10°-20°	743.3	2.5
20°-30°	1236.9	4.1
30°-40°	1870.6	6.3
40°-50°	3108.5	10.4
50°-60°	5865.7	19.7
60°-70°	9904.5	33.2
70°-80°	6508.3	21.8
80°-90°	341.0	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°	29832.0	100.0
0°-180°	29832.0	100.0

Coefficient of Utilization



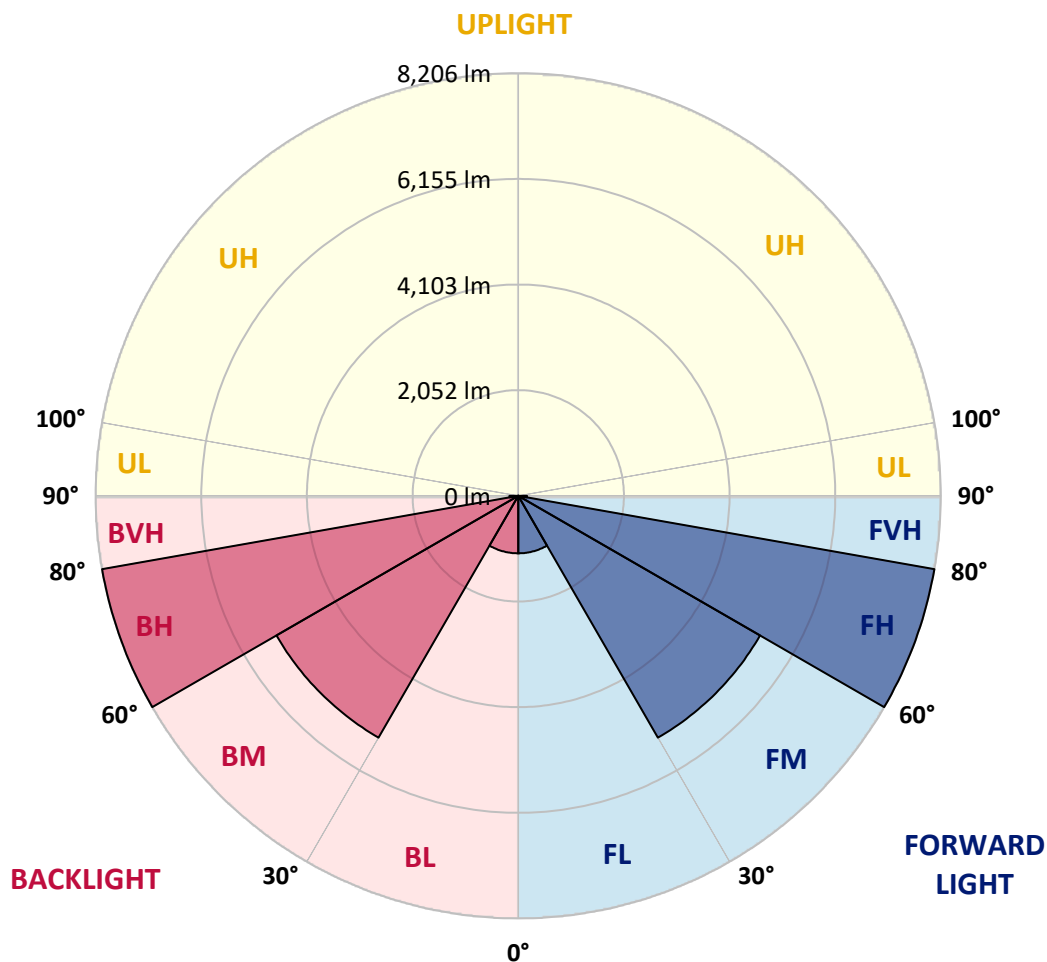
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1116.7	3.7			
FM (30°-60°)	5422.4	18.2			
FH (60°-80°)	8206.4	27.5			G4/12000
FVH (80°-90°)	170.5	0.6			G2/225
BL (0°-30°)	1116.7	3.7	B3/2500		
BM (30°-60°)	5422.4	18.2	B4/8500		
BH (60°-80°)	8206.4	27.5	B5		G4/12000
BVH (80°-90°)	170.5	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°	2721.3	2721.3	2721.3	2721.3	2721.3	2721.3	2721.3	2721.3	2721.3	2721.3
2.5°	2704.2	2712.0	2708.9	2702.7	2702.7	2698.0	2702.7	2705.8	2710.4	2713.5
5°	2668.6	2674.8	2673.2	2668.6	2670.1	2665.5	2668.6	2673.2	2676.3	2677.9
7.5°	2637.5	2643.7	2640.6	2632.9	2632.9	2628.2	2629.8	2634.4	2639.1	2640.6
10°	2629.8	2636.0	2626.7	2614.3	2609.6	2603.4	2605.0	2609.6	2618.9	2623.6
12.5°	2632.9	2637.5	2628.2	2609.6	2605.0	2598.8	2598.8	2603.4	2615.8	2622.0
15°	2642.2	2646.9	2632.9	2612.7	2608.1	2603.4	2601.9	2608.1	2622.0	2632.9
17.5°	2659.3	2663.9	2642.2	2614.3	2608.1	2609.6	2608.1	2612.7	2634.4	2654.6
20°	2674.8	2677.9	2648.4	2614.3	2608.1	2609.6	2608.1	2617.4	2645.3	2673.2
22.5°	2679.4	2682.5	2654.6	2625.1	2620.5	2622.0	2620.5	2629.8	2656.2	2684.1
25°	2681.0	2685.6	2663.9	2640.6	2648.4	2651.5	2648.4	2650.0	2670.1	2694.9
27.5°	2704.2	2710.4	2690.3	2670.1	2674.8	2673.2	2677.9	2682.5	2698.0	2722.8
30°	2752.3	2756.9	2739.9	2719.7	2716.6	2705.8	2719.7	2735.2	2752.3	2774.0
32.5°	2831.4	2840.7	2819.0	2797.3	2783.3	2777.1	2788.0	2814.3	2837.6	2860.8
35°	2963.2	2969.4	2949.2	2908.9	2884.1	2884.1	2893.4	2927.5	2964.7	2994.2
37.5°	3149.2	3157.0	3121.3	3073.3	3036.0	3036.0	3048.5	3084.1	3139.9	3181.8
40°	3375.6	3386.5	3341.5	3291.9	3256.2	3250.0	3265.5	3305.9	3358.6	3411.3
42.5°	3648.5	3660.9	3602.0	3558.6	3530.7	3530.7	3538.4	3575.7	3623.7	3688.8
45°	3997.4	4019.1	3938.5	3895.1	3868.7	3874.9	3879.6	3912.1	3955.5	4030.0
47.5°	4413.0	4434.7	4349.4	4304.4	4299.8	4329.2	4310.6	4333.9	4357.1	4442.4
50°	4884.3	4921.6	4862.6	4859.5	4868.8	4923.1	4879.7	4892.1	4865.7	4920.0
52.5°	5461.2	5515.4	5504.6	5523.2	5627.1	5738.7	5639.5	5596.1	5496.8	5513.9
55°	6160.5	6242.7	6258.2	6369.8	6605.5	6833.4	6622.6	6447.3	6236.5	6197.7
57.5°	6955.9	7021.1	7095.5	7323.4	7763.8	8168.5	7763.8	7376.1	7044.3	6965.2
60°	7811.9	7892.5	7963.8	8300.3	8954.6	9523.7	8942.2	8326.6	7887.8	7780.8
62.5°	8731.4	8835.2	8884.9	9258.6	10021.4	10700.6	10032.3	9286.5	8799.6	8684.8
65°	9613.6	9698.9	9754.7	10153.2	10882.0	11562.7	10931.6	10196.7	9695.8	9545.4
67.5°	10024.5	10071.1	10207.5	10658.7	11427.8	12204.7	11558.1	10706.8	10147.0	9883.4
70°	9422.9	9328.3	9657.1	10379.6	11492.9	12598.5	11641.8	10357.9	9672.6	9244.6
72.5°	7281.6	7118.7	7689.4	8925.2	10748.7	12347.3	10823.1	8995.0	8044.4	7176.1
75°	3961.7	3777.2	4564.9	6127.9	8571.6	10702.1	8768.6	6303.1	5082.8	3932.3
77.5°	1118.0	1048.2	1683.9	2964.7	5155.7	7514.1	5354.2	3029.8	1997.2	1184.6
80°	342.7	331.8	449.7	893.1	2189.4	3598.9	2104.1	904.0	572.2	361.3
82.5°	203.1	186.1	223.3	325.6	558.2	1130.4	542.7	339.6	272.9	183.0
85°	116.3	108.5	131.8	158.2	187.6	240.3	156.6	161.3	145.8	97.7
87.5°	48.1	43.4	51.2	49.6	43.4	55.8	41.9	49.6	58.9	38.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2721.3
2712.0
2677.9
2640.6
2623.6
2623.6
2634.4
2654.6
2674.8
2684.1
2693.4
2716.6
2769.3
2851.5
2983.3
3166.3
3394.2
3684.2
4026.9
4417.6
4887.4
5456.5
6137.2
6909.4
7687.8
8591.8
9471.0
9886.5
9346.9
7391.6
4188.1
1316.4
381.4
198.5
102.3
35.7
0.0

OF REPORT)