

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: P848101

Luminaire Tested: **GLAN-SB4C-735-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848101
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-SB4C-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29792 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

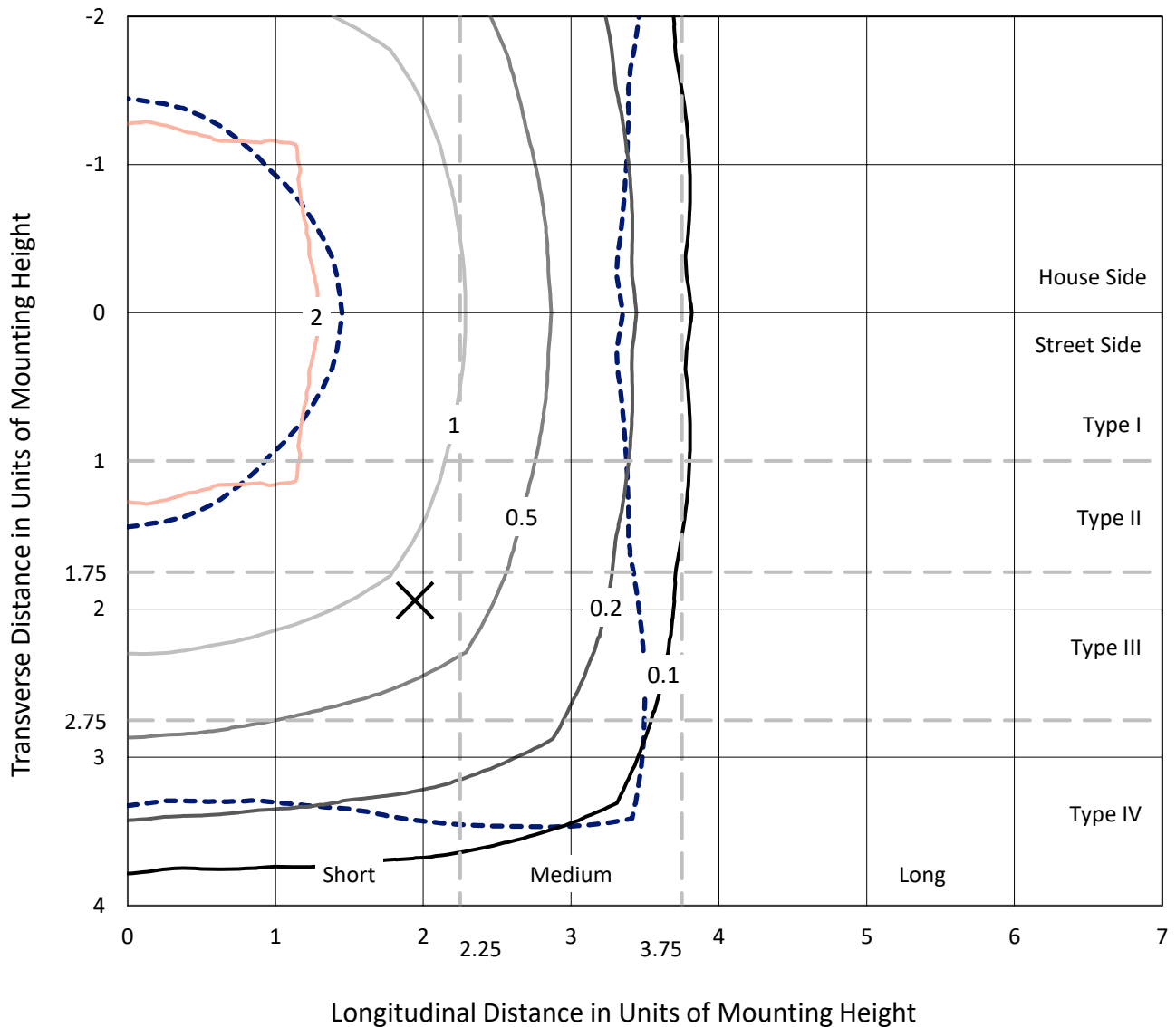
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

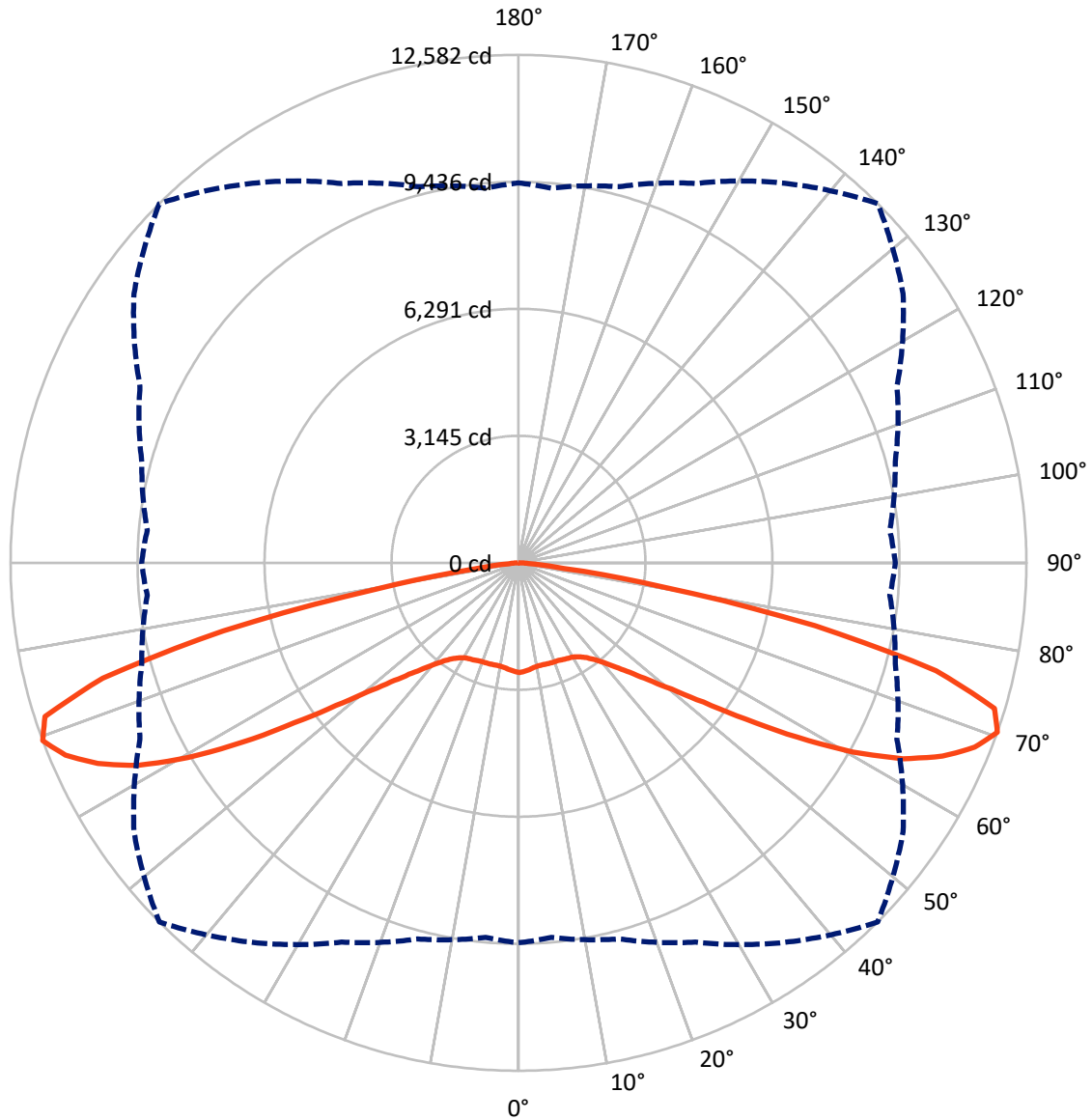
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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	14896.0	0.0	14896.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14896.0	0.0	14896.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29792.0	0.0	29792.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.8	0.8
10°-20°	742.3	2.5
20°-30°	1235.3	4.1
30°-40°	1868.1	6.3
40°-50°	3104.4	10.4
50°-60°	5857.8	19.7
60°-70°	9891.2	33.2
70°-80°	6499.6	21.8
80°-90°	340.5	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°	29792.0	100.0
0°-180°	29792.0	100.0

Coefficient of Utilization



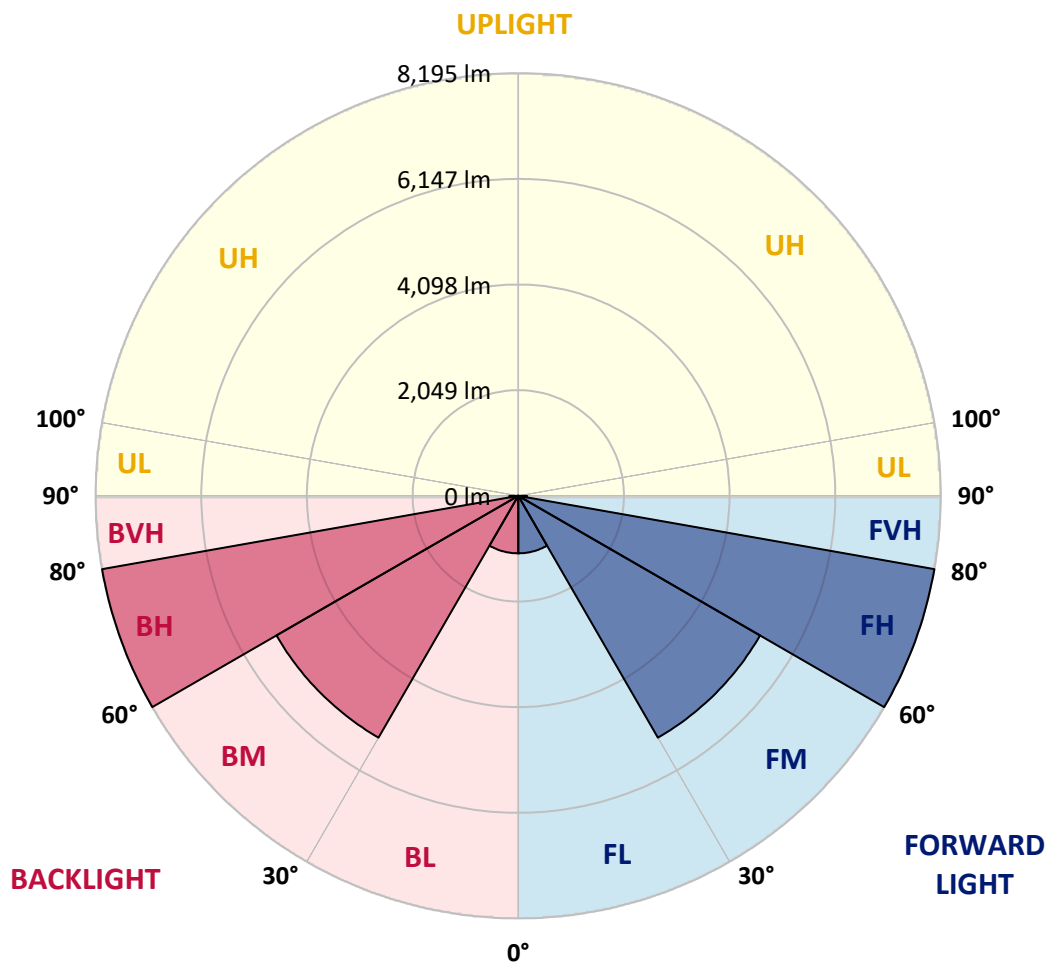
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1115.2	3.7			
FM (30°-60°)	5415.2	18.2			
FH (60°-80°)	8195.4	27.5			G4/12000
FVH (80°-90°)	170.3	0.6			G2/225
BL (0°-30°)	1115.2	3.7	B3/2500		
BM (30°-60°)	5415.2	18.2	B4/8500		
BH (60°-80°)	8195.4	27.5	B5		G4/12000
BVH (80°-90°)	170.3	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°	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6	2717.6
2.5°	2700.6	2708.3	2705.2	2699.0	2699.0	2694.4	2699.0	2702.1	2706.8	2709.9
5°	2665.0	2671.2	2669.6	2665.0	2666.5	2661.9	2665.0	2669.6	2672.7	2674.3
7.5°	2634.0	2640.2	2637.1	2629.4	2629.4	2624.7	2626.3	2630.9	2635.6	2637.1
10°	2626.3	2632.5	2623.2	2610.8	2606.1	2599.9	2601.5	2606.1	2615.4	2620.1
12.5°	2629.4	2634.0	2624.7	2606.1	2601.5	2595.3	2595.3	2599.9	2612.3	2618.5
15°	2638.7	2643.3	2629.4	2609.2	2604.6	2599.9	2598.4	2604.6	2618.5	2629.4
17.5°	2655.7	2660.3	2638.7	2610.8	2604.6	2606.1	2604.6	2609.2	2630.9	2651.0
20°	2671.2	2674.3	2644.9	2610.8	2604.6	2606.1	2604.6	2613.9	2641.8	2669.6
22.5°	2675.8	2678.9	2651.0	2621.6	2617.0	2618.5	2617.0	2626.3	2652.6	2680.5
25°	2677.4	2682.0	2660.3	2637.1	2644.9	2647.9	2644.9	2646.4	2666.5	2691.3
27.5°	2700.6	2706.8	2686.7	2666.5	2671.2	2669.6	2674.3	2678.9	2694.4	2719.2
30°	2748.6	2753.2	2736.2	2716.1	2713.0	2702.1	2716.1	2731.6	2748.6	2770.3
32.5°	2827.6	2836.9	2815.2	2793.5	2779.6	2773.4	2784.2	2810.5	2833.8	2857.0
35°	2959.2	2965.4	2945.3	2905.0	2880.2	2880.2	2889.5	2923.6	2960.7	2990.2
37.5°	3145.0	3152.8	3117.1	3069.1	3032.0	3032.0	3044.4	3080.0	3135.7	3177.5
40°	3371.1	3381.9	3337.0	3287.5	3251.9	3245.7	3261.2	3301.4	3354.1	3406.7
42.5°	3643.6	3656.0	3597.2	3553.8	3526.0	3526.0	3533.7	3570.9	3618.9	3683.9
45°	3992.1	4013.7	3933.2	3889.9	3863.5	3869.7	3874.4	3906.9	3950.2	4024.6
47.5°	4407.1	4428.7	4343.6	4298.7	4294.0	4323.4	4304.9	4328.1	4351.3	4436.5
50°	4877.8	4915.0	4856.1	4853.0	4862.3	4916.5	4873.2	4885.5	4859.2	4913.4
52.5°	5453.8	5508.0	5497.2	5515.8	5619.5	5731.0	5631.9	5588.6	5489.5	5506.5
55°	6152.2	6234.3	6249.8	6361.3	6596.6	6824.3	6613.7	6438.7	6228.1	6189.4
57.5°	6946.6	7011.6	7086.0	7313.6	7753.4	8157.5	7753.4	7366.2	7034.9	6955.9
60°	7801.4	7881.9	7953.1	8289.2	8942.6	9510.9	8930.2	8315.5	7877.3	7770.4
62.5°	8719.6	8823.4	8872.9	9246.1	10008.0	10686.2	10018.8	9274.0	8787.8	8673.2
65°	9600.7	9685.9	9741.7	10139.6	10867.4	11547.2	10917.0	10183.0	9682.8	9532.6
67.5°	10011.1	10057.6	10193.8	10644.4	11412.5	12188.3	11542.6	10692.4	10133.4	9870.2
70°	9410.3	9315.8	9644.1	10365.7	11477.5	12581.6	11626.2	10344.0	9659.6	9232.2
72.5°	7271.8	7109.2	7679.0	8913.2	10734.3	12330.8	10808.6	8982.9	8033.7	7166.5
75°	3956.4	3772.2	4558.8	6119.7	8560.1	10687.8	8756.8	6294.7	5076.0	3927.0
77.5°	1116.5	1046.8	1681.7	2960.7	5148.8	7504.1	5347.0	3025.8	1994.5	1183.1
80°	342.2	331.4	449.1	891.9	2186.5	3594.1	2101.3	902.8	571.4	360.8
82.5°	202.9	185.8	223.0	325.2	557.5	1128.9	542.0	339.1	272.5	182.7
85°	116.1	108.4	131.6	157.9	187.4	240.0	156.4	161.0	145.6	97.6
87.5°	48.0	43.4	51.1	49.6	43.4	55.7	41.8	49.6	58.8	38.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2717.6
2708.3
2674.3
2637.1
2620.1
2620.1
2630.9
2651.0
2671.2
2680.5
2689.8
2713.0
2765.6
2847.7
2979.3
3162.1
3389.7
3679.3
4021.5
4411.7
4880.9
5449.2
6129.0
6900.1
7677.5
8580.3
9458.3
9873.3
9334.4
7381.7
4182.5
1314.7
380.9
198.2
102.2
35.6
0.0

OF REPORT)