

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: P849551

Luminaire Tested: **GLAN-SB6C-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849551
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-SB6C-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29583 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

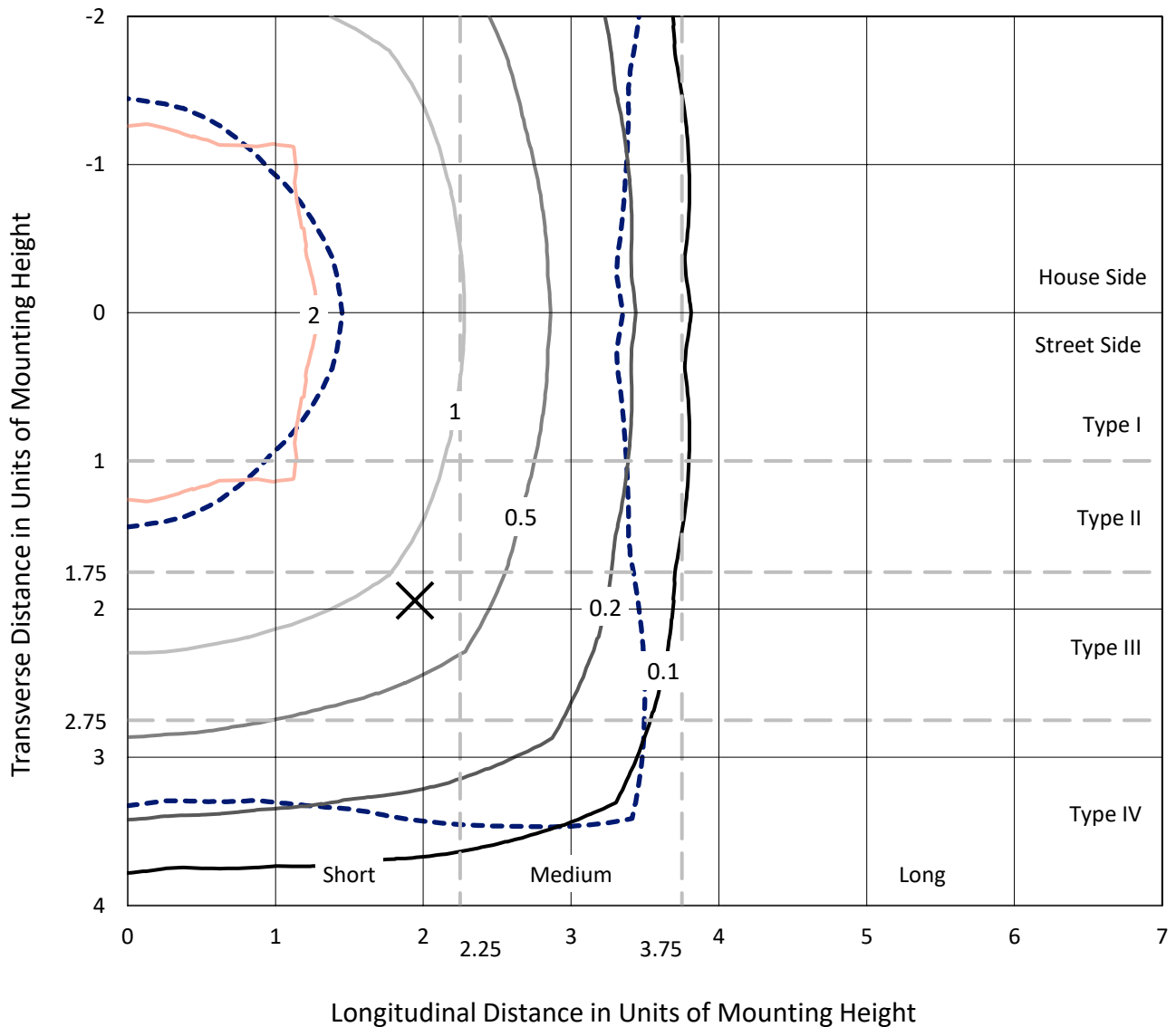
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

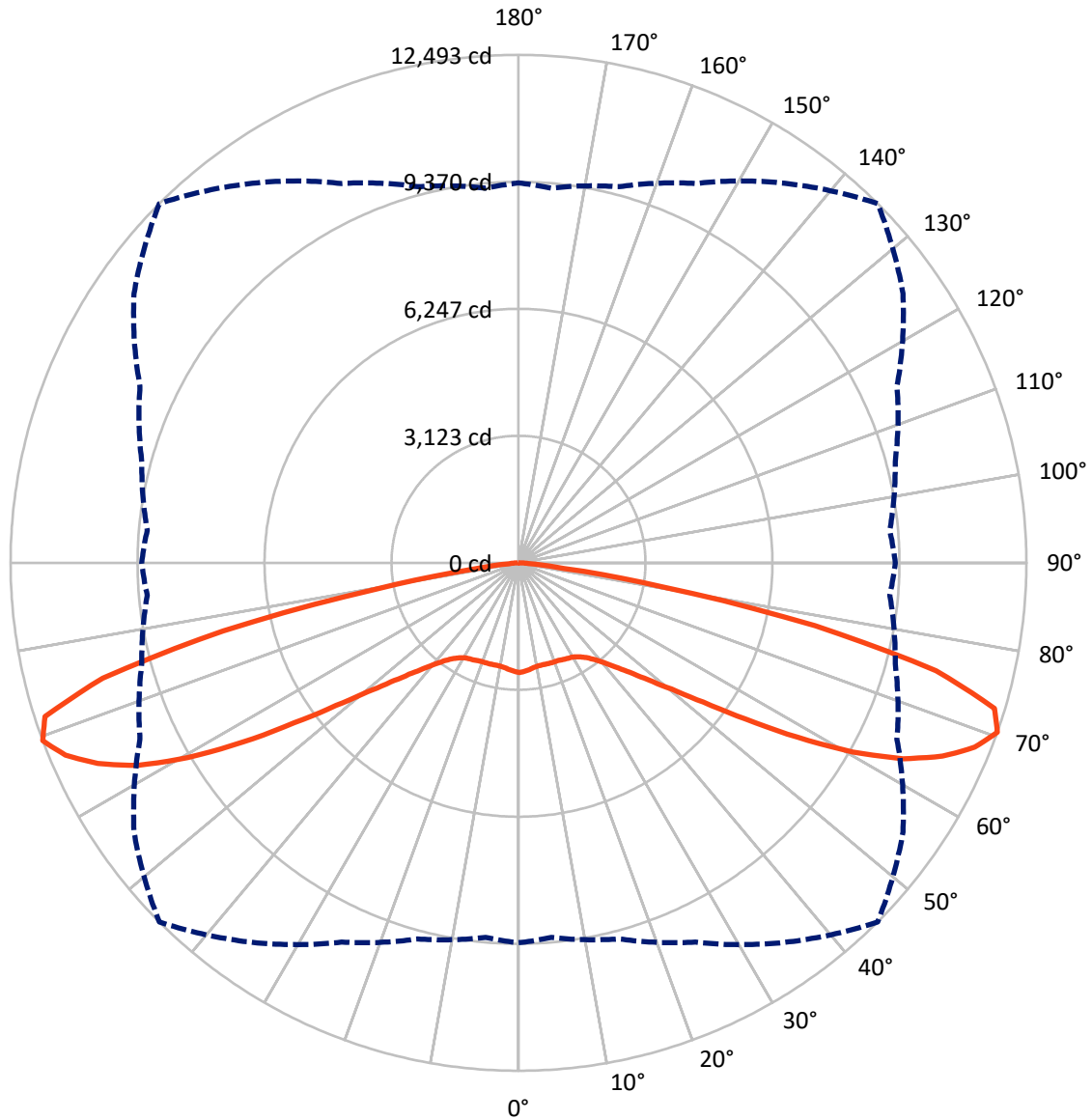
✕ Max cd
 - - - 1/2 Max cd



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	14791.5	0.0	14791.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14791.5	0.0	14791.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29583.0	0.0	29583.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.0	0.8
10°-20°	737.1	2.5
20°-30°	1226.6	4.1
30°-40°	1855.0	6.3
40°-50°	3082.6	10.4
50°-60°	5816.8	19.7
60°-70°	9821.8	33.2
70°-80°	6454.0	21.8
80°-90°	338.1	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°	29583.0	100.0
0°-180°	29583.0	100.0

Coefficient of Utilization



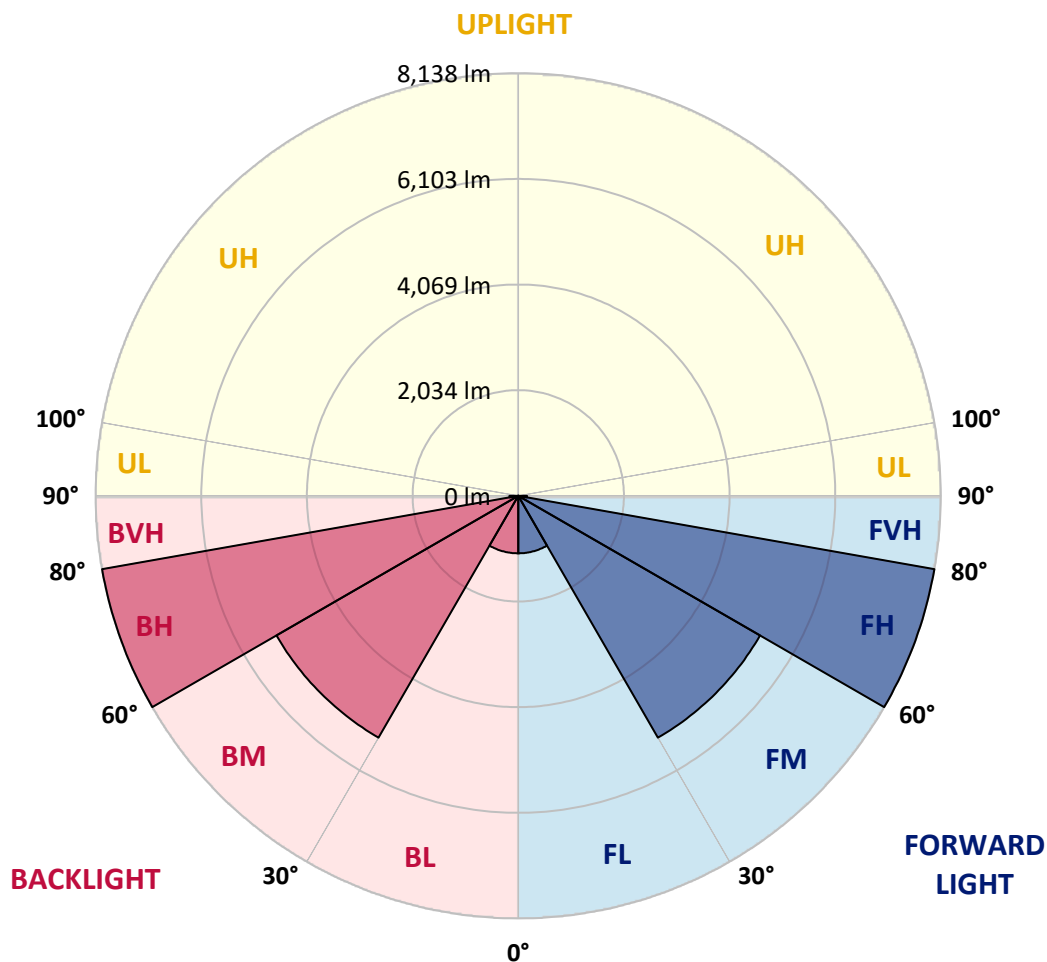
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1107.4	3.7			
FM (30°-60°)	5377.2	18.2			
FH (60°-80°)	8137.9	27.5			G4/12000
FVH (80°-90°)	169.1	0.6			G2/225
BL (0°-30°)	1107.4	3.7	B3/2500		
BM (30°-60°)	5377.2	18.2	B4/8500		
BH (60°-80°)	8137.9	27.5	B5		G4/12000
BVH (80°-90°)	169.1	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°	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6
2.5°	2681.7	2689.3	2686.3	2680.1	2680.1	2675.5	2680.1	2683.2	2687.8	2690.9
5°	2646.3	2652.4	2650.9	2646.3	2647.8	2643.2	2646.3	2650.9	2654.0	2655.5
7.5°	2615.5	2621.7	2618.6	2610.9	2610.9	2606.3	2607.8	2612.5	2617.1	2618.6
10°	2607.8	2614.0	2604.8	2592.5	2587.9	2581.7	2583.2	2587.9	2597.1	2601.7
12.5°	2610.9	2615.5	2606.3	2587.9	2583.2	2577.1	2577.1	2581.7	2594.0	2600.2
15°	2620.1	2624.8	2610.9	2590.9	2586.3	2581.7	2580.2	2586.3	2600.2	2610.9
17.5°	2637.1	2641.7	2620.1	2592.5	2586.3	2587.9	2586.3	2590.9	2612.5	2632.4
20°	2652.4	2655.5	2626.3	2592.5	2586.3	2587.9	2586.3	2595.5	2623.2	2650.9
22.5°	2657.0	2660.1	2632.4	2603.2	2598.6	2600.2	2598.6	2607.8	2634.0	2661.7
25°	2658.6	2663.2	2641.7	2618.6	2626.3	2629.4	2626.3	2627.8	2647.8	2672.4
27.5°	2681.7	2687.8	2667.8	2647.8	2652.4	2650.9	2655.5	2660.1	2675.5	2700.1
30°	2729.3	2733.9	2717.0	2697.0	2694.0	2683.2	2697.0	2712.4	2729.3	2750.8
32.5°	2807.7	2817.0	2795.4	2773.9	2760.1	2753.9	2764.7	2790.8	2813.9	2837.0
35°	2938.4	2944.6	2924.6	2884.6	2860.0	2860.0	2869.2	2903.1	2940.0	2969.2
37.5°	3123.0	3130.6	3095.3	3047.6	3010.7	3010.7	3023.0	3058.4	3113.7	3155.2
40°	3347.5	3358.2	3313.6	3264.4	3229.1	3222.9	3238.3	3278.3	3330.5	3382.8
42.5°	3618.1	3630.4	3571.9	3528.9	3501.2	3501.2	3508.9	3545.8	3593.5	3658.1
45°	3964.0	3985.6	3905.6	3862.6	3836.4	3842.6	3847.2	3879.5	3922.5	3996.3
47.5°	4376.1	4397.7	4313.1	4268.5	4263.9	4293.1	4274.7	4297.7	4320.8	4405.4
50°	4843.6	4880.5	4822.1	4819.0	4828.2	4882.0	4839.0	4851.3	4825.1	4878.9
52.5°	5415.6	5469.4	5458.6	5477.1	5580.1	5690.8	5592.4	5549.4	5450.9	5467.9
55°	6109.1	6190.6	6205.9	6316.6	6550.4	6776.4	6567.3	6393.5	6184.4	6146.0
57.5°	6897.9	6962.5	7036.3	7262.3	7699.0	8100.3	7699.0	7314.6	6985.5	6907.1
60°	7746.7	7826.6	7897.3	8231.0	8879.9	9444.2	8867.6	8257.1	7822.0	7715.9
62.5°	8658.5	8761.5	8810.7	9181.3	9937.8	10611.3	9948.6	9208.9	8726.1	8612.3
65°	9533.4	9618.0	9673.3	10068.5	10791.2	11466.2	10840.4	10111.5	9614.9	9465.7
67.5°	9940.9	9987.0	10122.3	10569.8	11332.4	12102.8	11461.6	10617.4	10062.3	9800.9
70°	9344.3	9250.5	9576.4	10293.0	11397.0	12493.4	11544.6	10271.5	9591.8	9167.4
72.5°	7220.8	7059.3	7625.2	8850.7	10658.9	12244.3	10732.8	8919.9	7977.3	7116.2
75°	3928.7	3745.7	4526.8	6076.8	8500.1	10612.8	8695.4	6250.5	5040.4	3899.5
77.5°	1108.6	1039.4	1669.9	2940.0	5112.7	7451.4	5309.5	3004.6	1980.5	1174.8
80°	339.8	329.1	445.9	885.7	2171.2	3568.9	2086.6	896.4	567.4	358.3
82.5°	201.4	184.5	221.4	322.9	553.6	1120.9	538.2	336.7	270.6	181.4
85°	115.3	107.6	130.7	156.8	186.1	238.3	155.3	159.9	144.5	96.9
87.5°	47.7	43.1	50.7	49.2	43.1	55.4	41.5	49.2	58.4	38.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2698.6
2689.3
2655.5
2618.6
2601.7
2601.7
2612.5
2632.4
2652.4
2661.7
2670.9
2694.0
2746.2
2827.7
2958.4
3139.9
3365.9
3653.4
3993.3
4380.7
4846.7
5411.0
6086.0
6851.7
7623.6
8520.1
9391.9
9804.0
9268.9
7329.9
4153.2
1305.5
378.3
196.8
101.5
35.4
0.0

OF REPORT)