

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: P849361

Luminaire Tested: **GLAN-SB6B-840-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849361
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-SB6B-840-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30717 lumens
Efficiency: N/A
Efficacy: 139.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

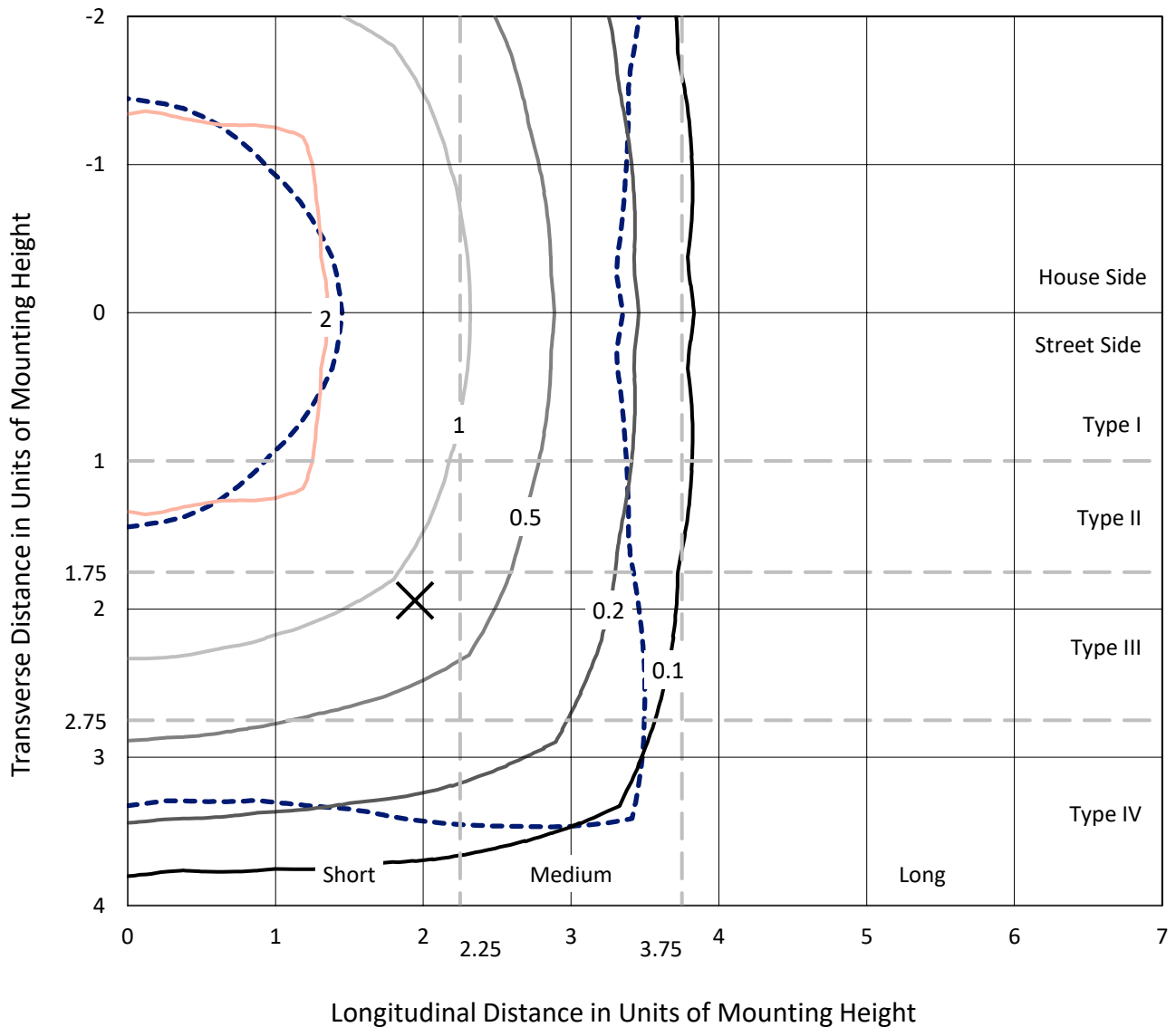
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

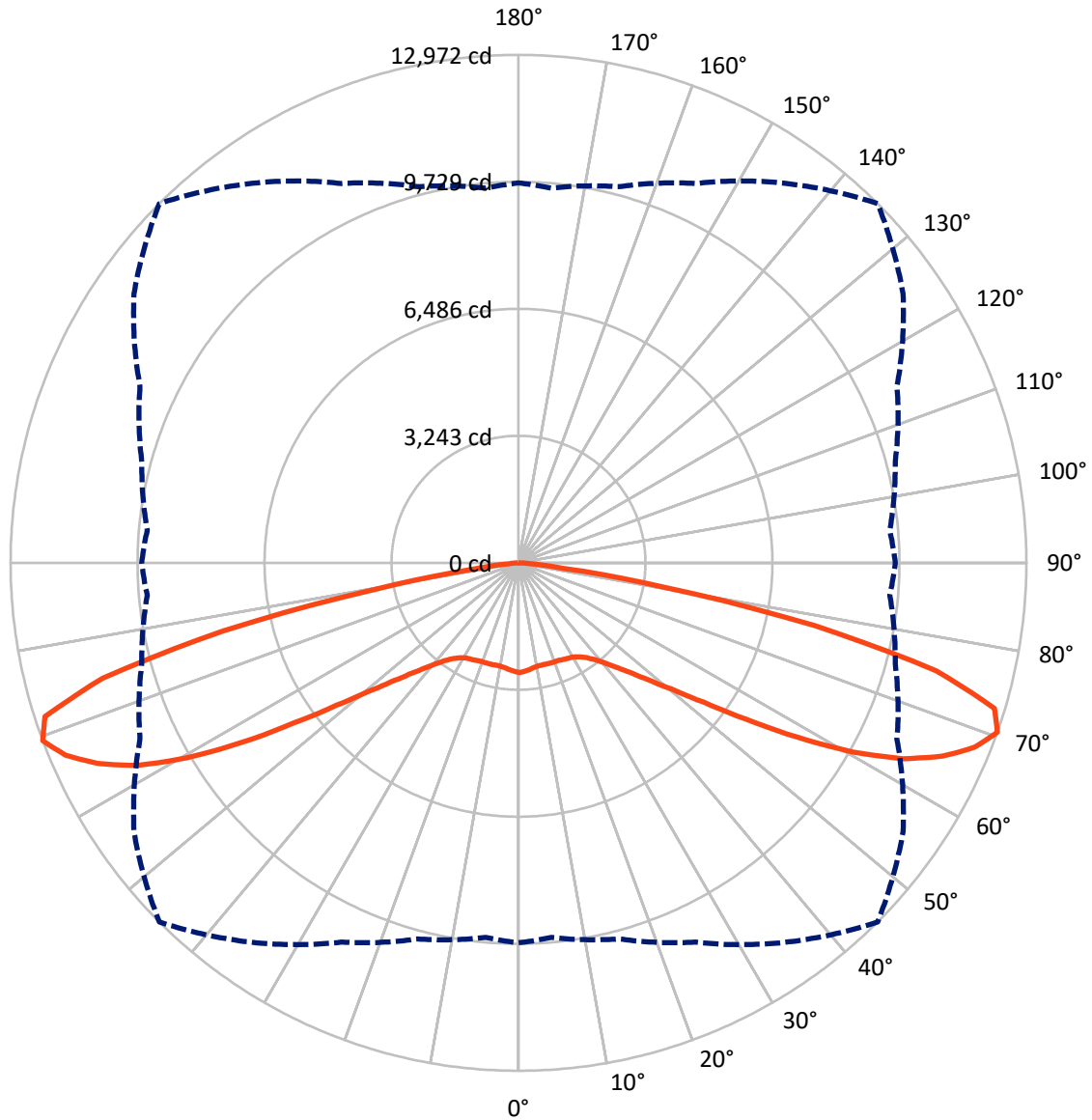
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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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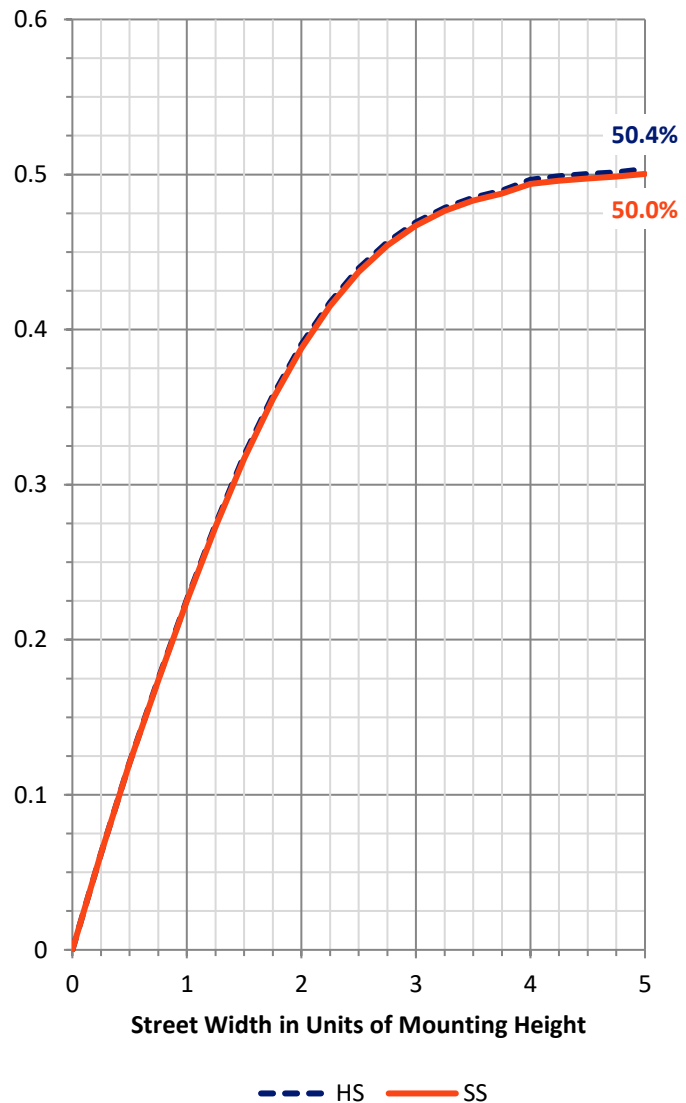
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15358.5	0.0	15358.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15358.5	0.0	15358.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30717.0	0.0	30717.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.7	0.8
10°-20°	765.3	2.5
20°-30°	1273.6	4.1
30°-40°	1926.1	6.3
40°-50°	3200.8	10.4
50°-60°	6039.7	19.7
60°-70°	10198.3	33.2
70°-80°	6701.3	21.8
80°-90°	351.1	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°	30717.0	100.0
0°-180°	30717.0	100.0

Coefficient of Utilization

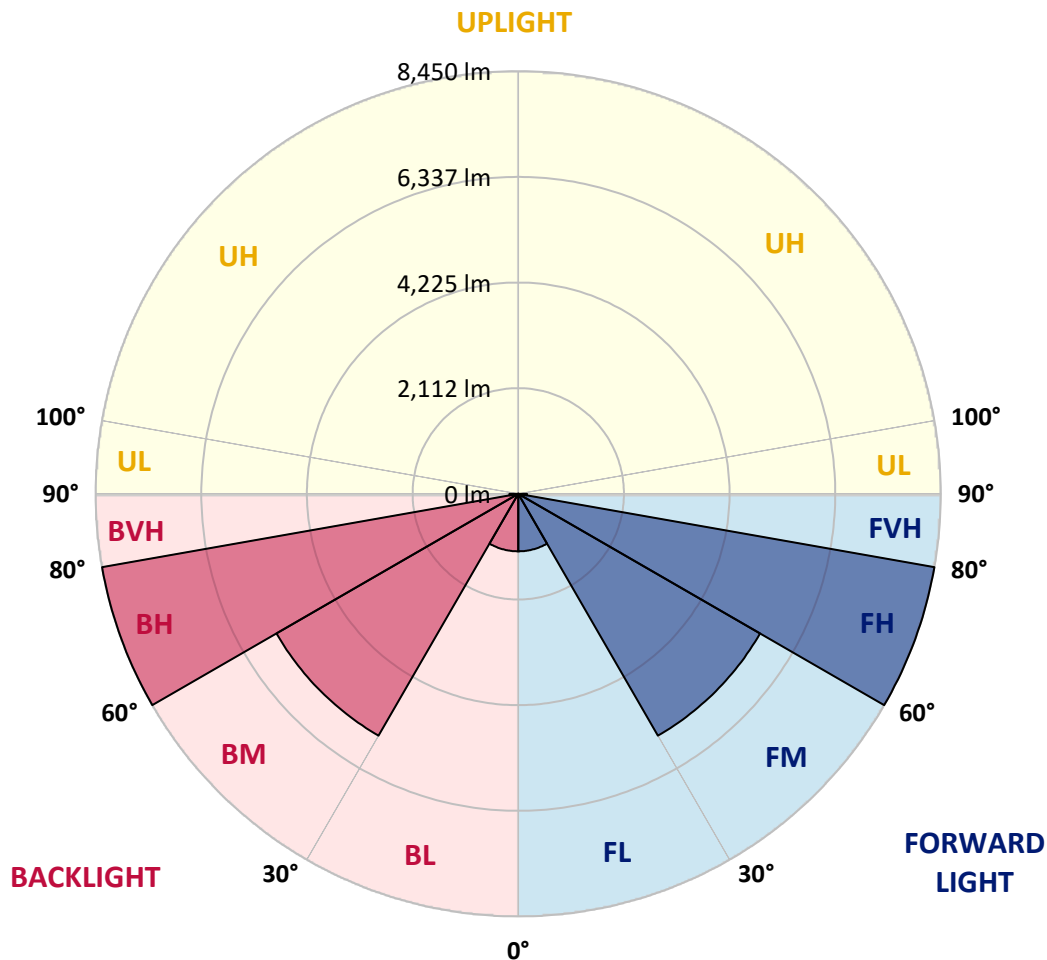


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1149.8	3.7			
FM (30°-60°)	5583.3	18.2			
FH (60°-80°)	8449.8	27.5			G4/12000
FVH (80°-90°)	175.5	0.6			G2/225
BL (0°-30°)	1149.8	3.7	B3/2500		
BM (30°-60°)	5583.3	18.2	B4/8500		
BH (60°-80°)	8449.8	27.5	B5		G4/12000
BVH (80°-90°)	175.5	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°	2802.0	2802.0	2802.0	2802.0	2802.0	2802.0	2802.0	2802.0	2802.0	2802.0
2.5°	2784.4	2792.4	2789.2	2782.8	2782.8	2778.1	2782.8	2786.0	2790.8	2794.0
5°	2747.7	2754.1	2752.5	2747.7	2749.3	2744.5	2747.7	2752.5	2755.7	2757.3
7.5°	2715.8	2722.2	2719.0	2711.0	2711.0	2706.2	2707.8	2712.6	2717.4	2719.0
10°	2707.8	2714.2	2704.6	2691.8	2687.1	2680.7	2682.3	2687.1	2696.6	2701.4
12.5°	2711.0	2715.8	2706.2	2687.1	2682.3	2675.9	2675.9	2680.7	2693.4	2699.8
15°	2720.6	2725.4	2711.0	2690.2	2685.5	2680.7	2679.1	2685.5	2699.8	2711.0
17.5°	2738.1	2742.9	2720.6	2691.8	2685.5	2687.1	2685.5	2690.2	2712.6	2733.4
20°	2754.1	2757.3	2727.0	2691.8	2685.5	2687.1	2685.5	2695.0	2723.8	2752.5
22.5°	2758.9	2762.1	2733.4	2703.0	2698.2	2699.8	2698.2	2707.8	2735.0	2763.7
25°	2760.5	2765.3	2742.9	2719.0	2727.0	2730.2	2727.0	2728.6	2749.3	2774.9
27.5°	2784.4	2790.8	2770.1	2749.3	2754.1	2752.5	2757.3	2762.1	2778.1	2803.6
30°	2833.9	2838.7	2821.2	2800.4	2797.2	2786.0	2800.4	2816.4	2833.9	2856.3
32.5°	2915.4	2924.9	2902.6	2880.2	2865.9	2859.5	2870.7	2897.8	2921.8	2945.7
35°	3051.1	3057.5	3036.7	2995.2	2969.7	2969.7	2979.2	3014.4	3052.7	3083.0
37.5°	3242.7	3250.6	3213.9	3164.4	3126.1	3126.1	3138.9	3175.6	3233.1	3276.2
40°	3475.8	3486.9	3440.6	3389.6	3352.8	3346.4	3362.4	3403.9	3458.2	3512.5
42.5°	3756.8	3769.5	3708.9	3664.2	3635.4	3635.4	3643.4	3681.7	3731.2	3798.3
45°	4116.0	4138.4	4055.3	4010.6	3983.5	3989.9	3994.7	4028.2	4072.9	4149.5
47.5°	4543.9	4566.2	4478.4	4432.1	4427.3	4457.7	4438.5	4462.5	4486.4	4574.2
50°	5029.2	5067.6	5006.9	5003.7	5013.3	5069.2	5024.5	5037.2	5010.1	5066.0
52.5°	5623.2	5679.1	5667.9	5687.0	5794.0	5909.0	5806.8	5762.1	5659.9	5677.5
55°	6343.2	6427.9	6443.8	6558.8	6801.5	7036.2	6819.0	6638.6	6421.5	6381.6
57.5°	7162.3	7229.3	7306.0	7540.7	7994.1	8410.8	7994.1	7595.0	7253.3	7171.9
60°	8043.6	8126.6	8200.1	8546.5	9220.3	9806.2	9207.5	8573.7	8121.8	8011.7
62.5°	8990.4	9097.3	9148.4	9533.2	10318.7	11018.0	10329.9	9562.0	9060.6	8942.5
65°	9898.8	9986.6	10044.1	10454.4	11204.8	11905.7	11255.9	10499.2	9983.5	9828.6
67.5°	10321.9	10369.8	10510.3	10974.9	11766.8	12566.7	11901.0	11024.4	10448.1	10176.6
70°	9702.5	9605.1	9943.5	10687.5	11833.9	12972.3	11987.2	10665.2	9959.5	9518.8
72.5°	7497.6	7329.9	7917.5	9190.0	11067.5	12713.6	11144.2	9261.8	8283.1	7389.0
75°	4079.3	3889.3	4700.3	6309.7	8825.9	11019.6	9028.7	6490.1	5233.6	4048.9
77.5°	1151.1	1079.3	1733.9	3052.7	5308.6	7737.1	5513.0	3119.7	2056.4	1219.8
80°	352.8	341.7	463.0	919.6	2254.4	3705.7	2166.6	930.8	589.1	372.0
82.5°	209.2	191.6	229.9	335.3	574.8	1163.9	558.8	349.7	281.0	188.4
85°	119.7	111.8	135.7	162.9	193.2	247.5	161.3	166.0	150.1	100.6
87.5°	49.5	44.7	52.7	51.1	44.7	57.5	43.1	51.1	60.7	39.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2802.0
2792.4
2757.3
2719.0
2701.4
2701.4
2712.6
2733.4
2754.1
2763.7
2773.3
2797.2
2851.5
2936.1
3071.8
3260.2
3494.9
3793.5
4146.3
4548.7
5032.4
5618.4
6319.3
7114.4
7915.9
8846.7
9751.9
10179.8
9624.2
7610.9
4312.4
1355.5
392.8
204.4
105.4
36.7
0.0

OF REPORT)