

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: P849281

Luminaire Tested: **GLAN-SB6B-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849281
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-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33365 lumens
Efficiency: N/A
Efficacy: 151.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

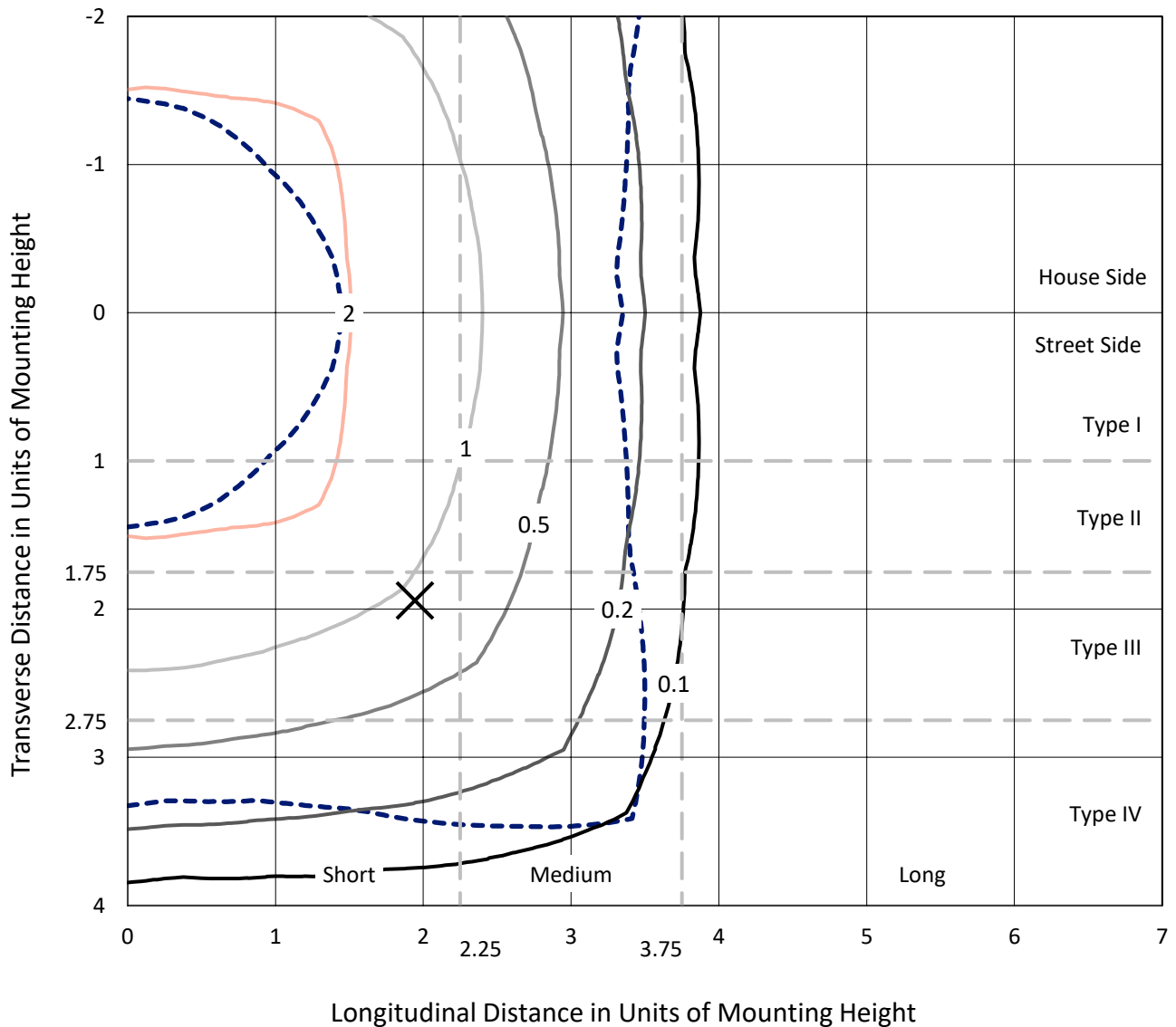
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

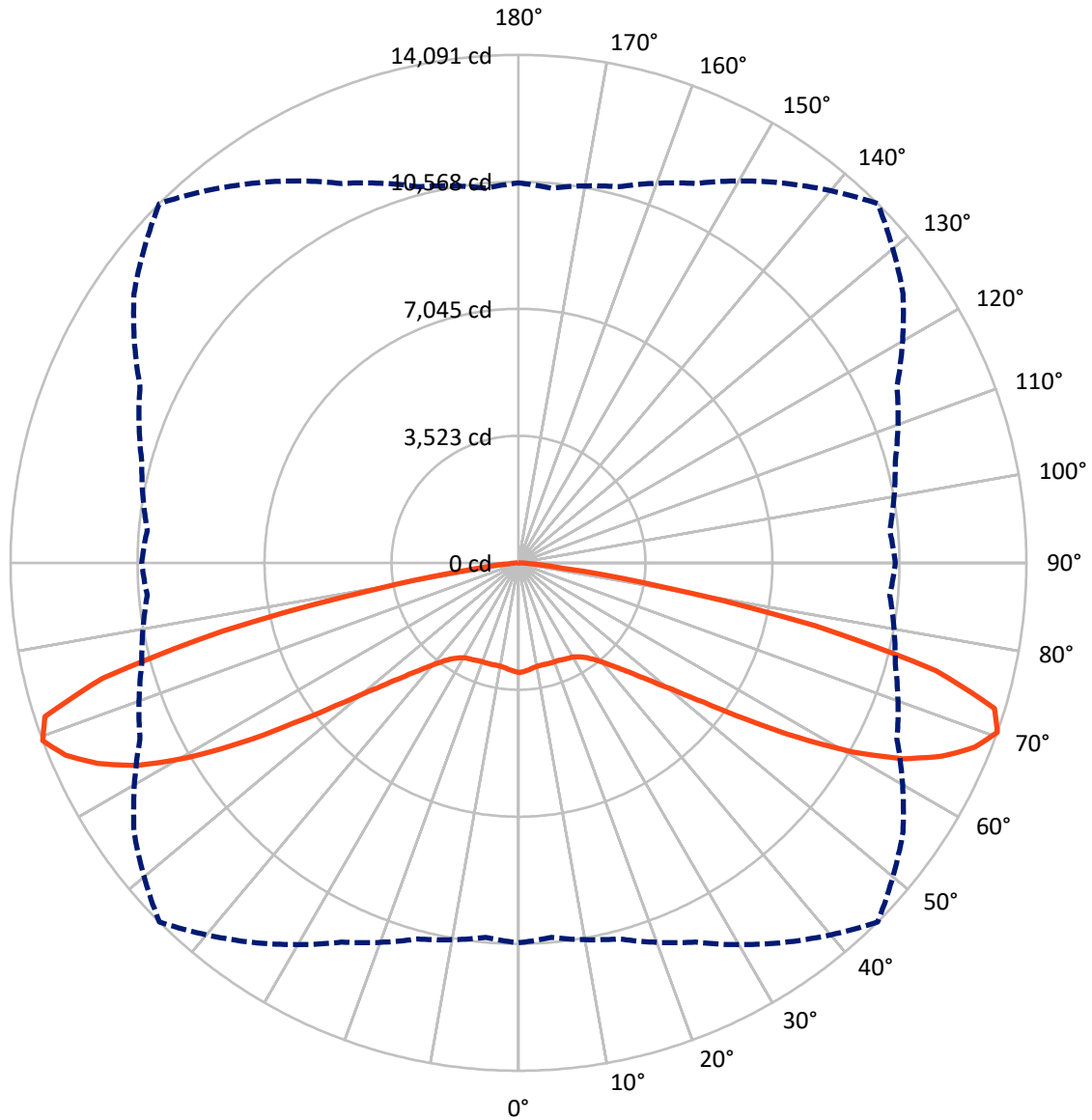
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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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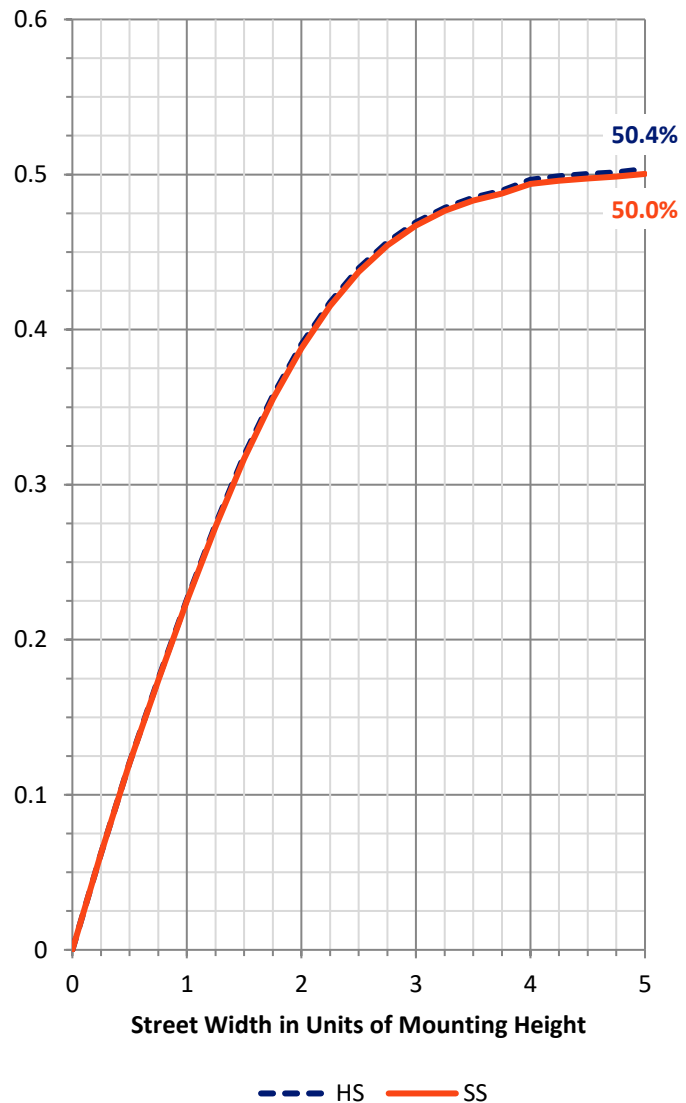
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16682.5	0.0	16682.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16682.5	0.0	16682.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33365.0	0.0	33365.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.1	0.8
10°-20°	831.3	2.5
20°-30°	1383.4	4.1
30°-40°	2092.2	6.3
40°-50°	3476.7	10.4
50°-60°	6560.4	19.7
60°-70°	11077.5	33.2
70°-80°	7279.0	21.8
80°-90°	381.3	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°	33365.0	100.0
0°-180°	33365.0	100.0

Coefficient of Utilization

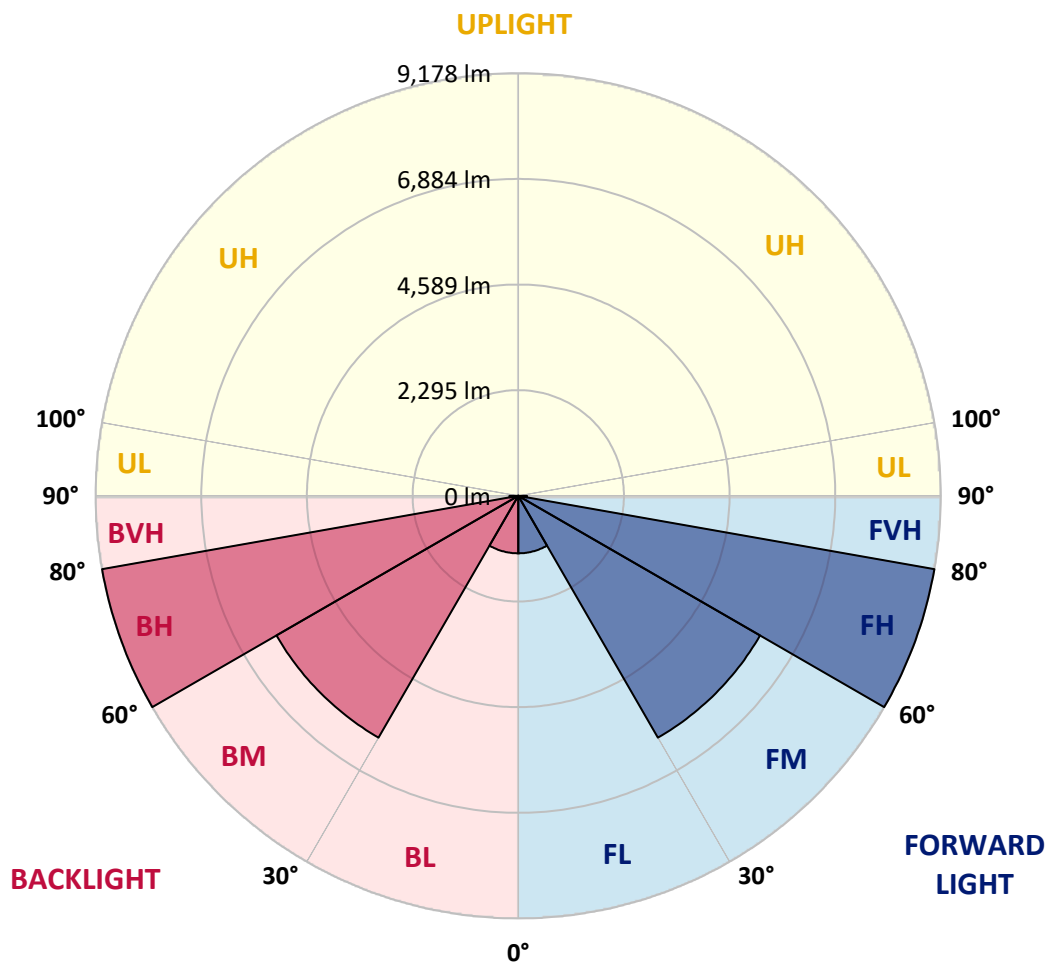


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1248.9	3.7			
FM (30°-60°)	6064.6	18.2			
FH (60°-80°)	9178.3	27.5			G4/12000
FVH (80°-90°)	190.7	0.6			G2/225
BL (0°-30°)	1248.9	3.7	B3/2500		
BM (30°-60°)	6064.6	18.2	B4/8500		
BH (60°-80°)	9178.3	27.5	B5		G4/12000
BVH (80°-90°)	190.7	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°	3043.6	3043.6	3043.6	3043.6	3043.6	3043.6	3043.6	3043.6	3043.6	3043.6
2.5°	3024.5	3033.2	3029.7	3022.7	3022.7	3017.5	3022.7	3026.2	3031.4	3034.9
5°	2984.6	2991.5	2989.8	2984.6	2986.3	2981.1	2984.6	2989.8	2993.3	2995.0
7.5°	2949.9	2956.8	2953.4	2944.7	2944.7	2939.5	2941.2	2946.4	2951.6	2953.4
10°	2941.2	2948.2	2937.8	2923.9	2918.7	2911.8	2913.5	2918.7	2929.1	2934.3
12.5°	2944.7	2949.9	2939.5	2918.7	2913.5	2906.6	2906.6	2911.8	2925.6	2932.6
15°	2955.1	2960.3	2944.7	2922.2	2917.0	2911.8	2910.0	2917.0	2932.6	2944.7
17.5°	2974.2	2979.4	2955.1	2923.9	2917.0	2918.7	2917.0	2922.2	2946.4	2969.0
20°	2991.5	2995.0	2962.1	2923.9	2917.0	2918.7	2917.0	2927.4	2958.6	2989.8
22.5°	2996.7	3000.2	2969.0	2936.0	2930.8	2932.6	2930.8	2941.2	2970.7	3001.9
25°	2998.5	3003.7	2979.4	2953.4	2962.1	2965.5	2962.1	2963.8	2986.3	3014.1
27.5°	3024.5	3031.4	3008.9	2986.3	2991.5	2989.8	2995.0	3000.2	3017.5	3045.3
30°	3078.2	3083.4	3064.4	3041.8	3038.4	3026.2	3041.8	3059.2	3078.2	3102.5
32.5°	3166.7	3177.1	3152.8	3128.5	3112.9	3106.0	3118.1	3147.6	3173.6	3199.6
35°	3314.1	3321.0	3298.5	3253.4	3225.7	3225.7	3236.1	3274.2	3315.8	3348.8
37.5°	3522.2	3530.9	3491.0	3437.2	3395.6	3395.6	3409.5	3449.4	3511.8	3558.6
40°	3775.4	3787.5	3737.2	3681.8	3641.9	3634.9	3652.3	3697.4	3756.3	3815.3
42.5°	4080.6	4094.5	4028.6	3980.0	3948.8	3948.8	3957.5	3999.1	4052.9	4125.7
45°	4470.8	4495.1	4404.9	4356.4	4326.9	4333.8	4339.0	4375.4	4424.0	4507.2
47.5°	4935.6	4959.9	4864.5	4814.2	4809.0	4841.9	4821.1	4847.2	4873.2	4968.5
50°	5462.8	5504.4	5438.5	5435.1	5445.5	5506.2	5457.6	5471.5	5442.0	5502.7
52.5°	6107.9	6168.6	6156.5	6177.3	6293.5	6418.4	6307.4	6258.8	6147.8	6166.9
55°	6890.1	6982.0	6999.3	7124.2	7387.8	7642.7	7406.9	7210.9	6975.0	6931.7
57.5°	7779.7	7852.6	7935.8	8190.7	8683.2	9135.9	8683.2	8249.7	7878.6	7790.1
60°	8737.0	8827.2	8907.0	9283.3	10015.1	10651.6	10001.3	9312.8	8822.0	8702.3
62.5°	9765.4	9881.6	9937.1	10355.0	11208.3	11967.9	11220.4	10386.3	9841.7	9713.4
65°	10752.2	10847.6	10910.0	11355.7	12170.8	12932.1	12226.3	11404.2	10844.1	10675.9
67.5°	11211.7	11263.8	11416.4	11921.0	12781.2	13650.1	12926.9	11974.8	11348.7	11053.9
70°	10538.9	10433.1	10800.7	11608.9	12854.1	14090.6	13020.5	11584.6	10818.1	10339.4
72.5°	8143.9	7961.8	8600.0	9982.2	12021.6	13809.6	12104.9	10060.2	8997.1	8026.0
75°	4430.9	4224.6	5105.5	6853.6	9586.8	11969.6	9807.0	7049.6	5684.8	4398.0
77.5°	1250.4	1172.3	1883.4	3315.8	5766.3	8404.0	5988.3	3388.7	2233.7	1324.9
80°	383.3	371.1	502.9	998.9	2448.7	4025.1	2353.3	1011.1	639.9	404.1
82.5°	227.2	208.1	249.7	364.2	624.3	1264.2	607.0	379.8	305.2	204.6
85°	130.1	121.4	147.4	176.9	209.8	268.8	175.2	180.4	163.0	109.3
87.5°	53.8	48.6	57.2	55.5	48.6	62.4	46.8	55.5	65.9	43.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3043.6
3033.2
2995.0
2953.4
2934.3
2934.3
2946.4
2969.0
2991.5
3001.9
3012.3
3038.4
3097.3
3189.2
3336.6
3541.3
3796.2
4120.5
4503.8
4940.8
5466.3
6102.7
6864.1
7727.7
8598.3
9609.3
10592.6
11057.4
10453.9
8267.0
4684.1
1472.4
426.6
222.0
114.5
39.9
0.0

OF REPORT)