

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: P849041

Luminaire Tested: **GLAN-SB5D-927-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849041  
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-SB5D-927-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33484 lumens  
Efficiency: N/A  
Efficacy: 91.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

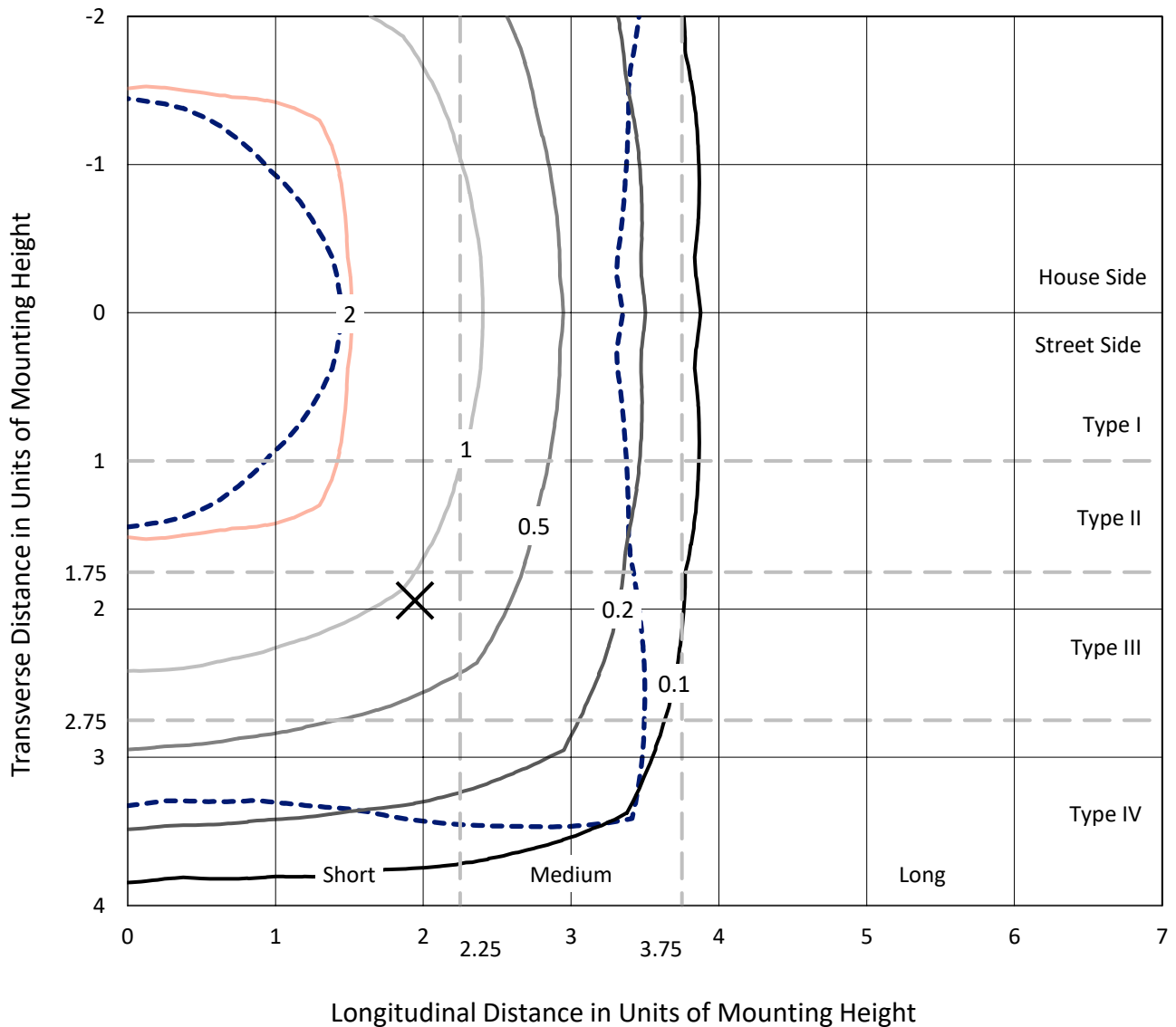
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

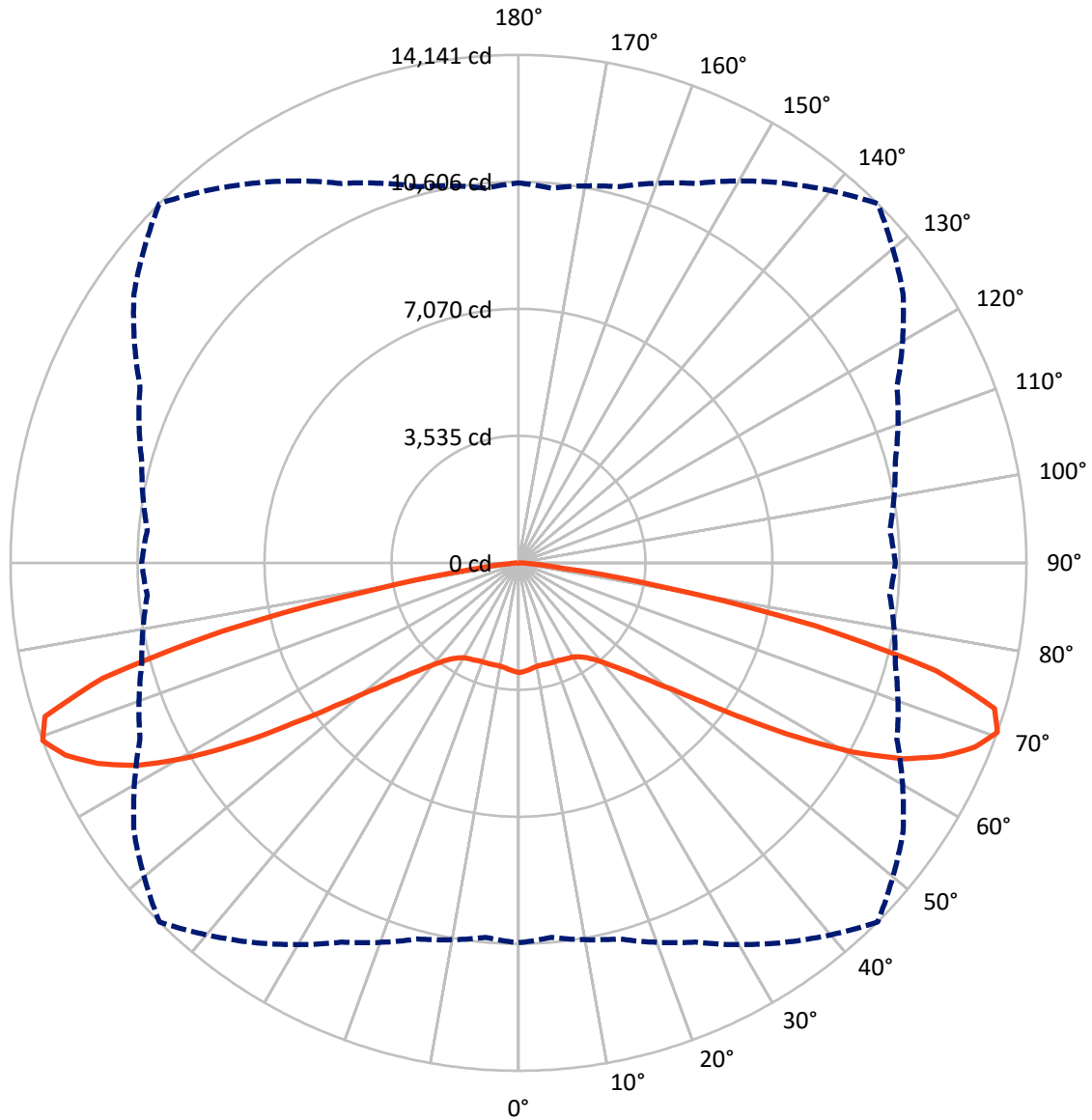
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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
<b>House Side</b>	Lumens	16742.0	0.0	16742.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16742.0	0.0	16742.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	33484.0	0.0	33484.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	284.1	0.8
10°-20°	834.3	2.5
20°-30°	1388.4	4.1
30°-40°	2099.6	6.3
40°-50°	3489.1	10.4
50°-60°	6583.8	19.7
60°-70°	11117.0	33.2
70°-80°	7305.0	21.8
80°-90°	382.7	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°	33484.0	100.0
0°-180°	33484.0	100.0

**Coefficient of Utilization**



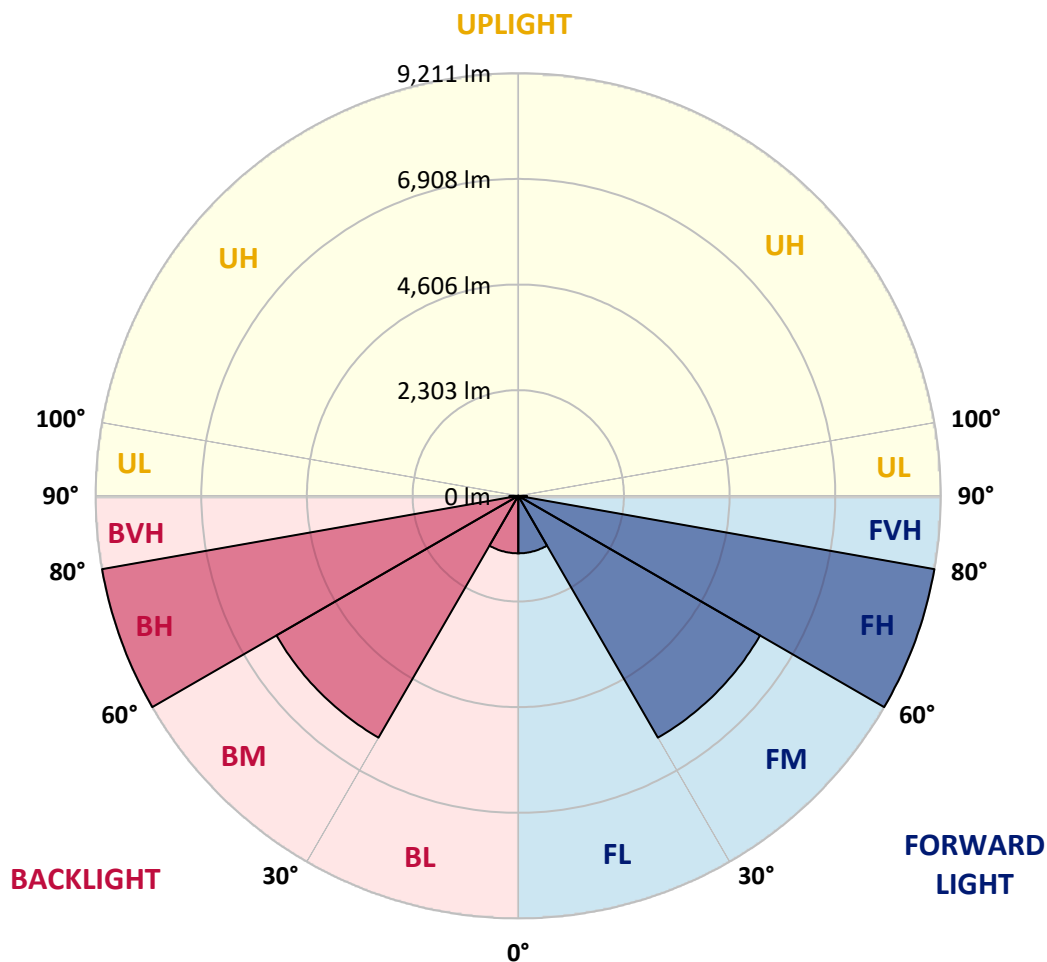
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1253.4	3.7			
FM (30°-60°)	6086.2	18.2			
FH (60°-80°)	9211.0	27.5			G4/12000
FVH (80°-90°)	191.4	0.6			G2/225
BL (0°-30°)	1253.4	3.7	B3/2500		
BM (30°-60°)	6086.2	18.2	B4/8500		
BH (60°-80°)	9211.0	27.5	B5		G4/12000
BVH (80°-90°)	191.4	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°	3054.4	3054.4	3054.4	3054.4	3054.4	3054.4	3054.4	3054.4	3054.4	3054.4
2.5°	3035.3	3044.0	3040.5	3033.5	3033.5	3028.3	3033.5	3037.0	3042.2	3045.7
5°	2995.2	3002.2	3000.5	2995.2	2997.0	2991.8	2995.2	3000.5	3003.9	3005.7
7.5°	2960.4	2967.4	2963.9	2955.2	2955.2	2950.0	2951.7	2957.0	2962.2	2963.9
10°	2951.7	2958.7	2948.3	2934.3	2929.1	2922.1	2923.9	2929.1	2939.5	2944.8
12.5°	2955.2	2960.4	2950.0	2929.1	2923.9	2916.9	2916.9	2922.1	2936.1	2943.0
15°	2965.7	2970.9	2955.2	2932.6	2927.4	2922.1	2920.4	2927.4	2943.0	2955.2
17.5°	2984.8	2990.0	2965.7	2934.3	2927.4	2929.1	2927.4	2932.6	2957.0	2979.6
20°	3002.2	3005.7	2972.6	2934.3	2927.4	2929.1	2927.4	2937.8	2969.1	3000.5
22.5°	3007.4	3010.9	2979.6	2946.5	2941.3	2943.0	2941.3	2951.7	2981.3	3012.6
25°	3009.2	3014.4	2990.0	2963.9	2972.6	2976.1	2972.6	2974.4	2997.0	3024.8
27.5°	3035.3	3042.2	3019.6	2997.0	3002.2	3000.5	3005.7	3010.9	3028.3	3056.2
30°	3089.2	3094.4	3075.3	3052.7	3049.2	3037.0	3052.7	3070.1	3089.2	3113.6
32.5°	3178.0	3188.4	3164.1	3139.7	3124.0	3117.1	3129.3	3158.8	3184.9	3211.1
35°	3325.9	3332.9	3310.3	3265.0	3237.2	3237.2	3247.6	3285.9	3327.7	3360.7
37.5°	3534.8	3543.5	3503.4	3449.5	3407.7	3407.7	3421.6	3461.7	3524.3	3571.3
40°	3788.9	3801.0	3750.6	3694.9	3654.9	3647.9	3665.3	3710.5	3769.7	3828.9
42.5°	4095.2	4109.1	4043.0	3994.2	3962.9	3962.9	3971.6	4013.4	4067.3	4140.4
45°	4486.8	4511.1	4420.6	4371.9	4342.3	4349.3	4354.5	4391.0	4439.8	4523.3
47.5°	4953.2	4977.6	4881.8	4831.4	4826.1	4859.2	4838.3	4864.4	4890.5	4986.3
50°	5482.3	5524.1	5457.9	5454.4	5464.9	5525.8	5477.1	5491.0	5461.4	5522.3
52.5°	6129.7	6190.6	6178.4	6199.3	6315.9	6441.2	6329.9	6281.1	6169.7	6188.9
55°	6914.6	7006.9	7024.3	7149.6	7414.1	7670.0	7433.3	7236.6	6999.9	6956.4
57.5°	7807.5	7880.6	7964.1	8219.9	8714.2	9168.5	8714.2	8279.1	7906.7	7817.9
60°	8768.2	8858.7	8938.7	9316.4	10050.9	10689.6	10036.9	9346.0	8853.5	8733.4
62.5°	9800.2	9916.8	9972.5	10392.0	11248.3	12010.6	11260.4	10423.3	9876.8	9748.0
65°	10790.5	10886.2	10948.9	11396.2	12214.2	12978.2	12269.9	11444.9	10882.8	10713.9
67.5°	11251.7	11303.9	11457.1	11963.6	12826.8	13698.7	12973.0	12017.5	11389.2	11093.4
70°	10576.5	10470.3	10839.3	11650.3	12899.9	14140.8	13067.0	11625.9	10856.7	10376.3
72.5°	8173.0	7990.2	8630.7	10017.8	12064.5	13858.9	12148.0	10096.1	9029.2	8054.6
75°	4446.7	4239.6	5123.8	6878.1	9621.0	12012.3	9842.0	7074.8	5705.1	4413.7
77.5°	1254.8	1176.5	1890.1	3327.7	5786.9	8434.0	6009.6	3400.8	2241.6	1329.7
80°	384.6	372.4	504.7	1002.5	2457.5	4039.5	2361.7	1014.7	642.2	405.5
82.5°	228.0	208.8	250.6	365.5	626.5	1268.8	609.1	381.1	306.3	205.4
85°	130.5	121.8	147.9	177.5	210.6	269.8	175.8	181.0	163.6	109.6
87.5°	54.0	48.7	57.4	55.7	48.7	62.7	47.0	55.7	66.1	43.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3054.4
3044.0
3005.7
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2944.8
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2979.6
3002.2
3012.6
3023.1
3049.2
3108.4
3200.6
3348.5
3553.9
3809.8
4135.2
4519.8
4958.4
5485.8
6124.5
6888.5
7755.3
8628.9
9643.6
10630.4
11096.8
10491.2
8296.5
4700.8
1477.6
428.1
222.8
114.9
40.0
0.0

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