

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: P851091

Luminaire Tested: **GLAN-SB8D-930-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851091  
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-SB8D-930-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 56152 lumens  
Efficiency: N/A  
Efficacy: 96.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

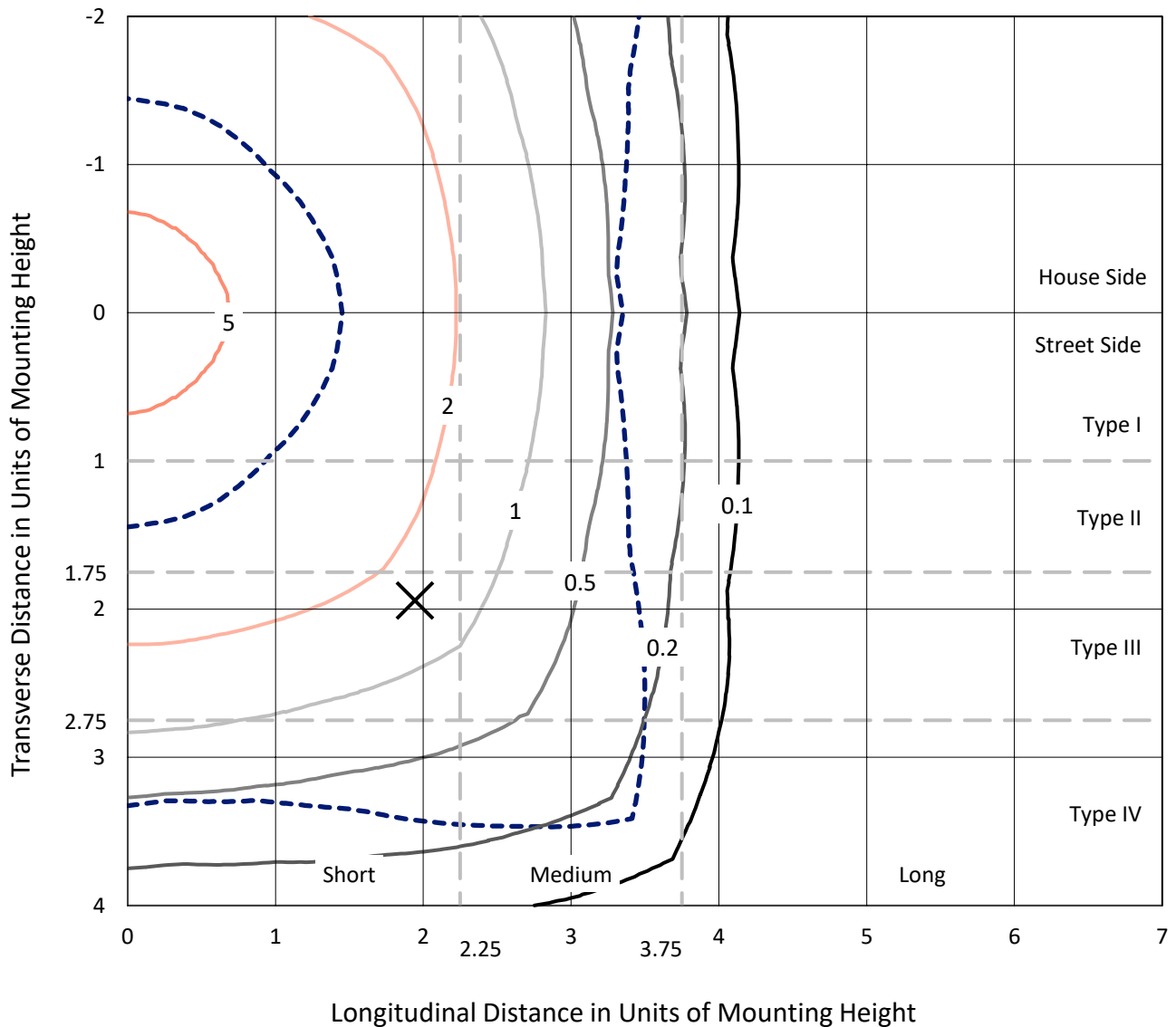
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

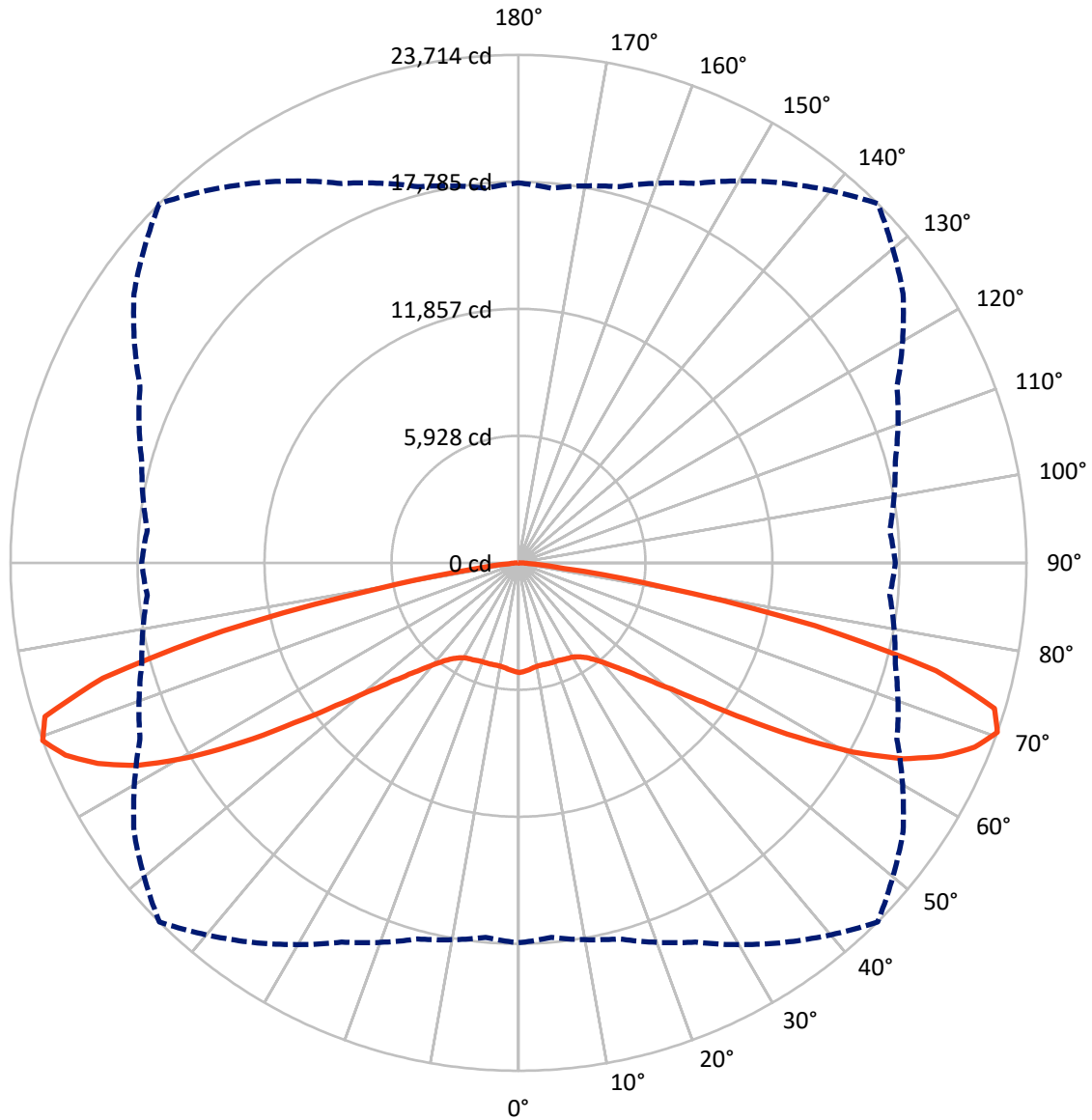
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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	28076.0	0.0	28076.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	28076.0	0.0	28076.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	56152.0	0.0	56152.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	476.5	0.8
10°-20°	1399.1	2.5
20°-30°	2328.3	4.1
30°-40°	3521.0	6.3
40°-50°	5851.1	10.4
50°-60°	11040.9	19.7
60°-70°	18643.0	33.2
70°-80°	12250.4	21.8
80°-90°	641.8	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°	56152.0	100.0
0°-180°	56152.0	100.0

**Coefficient of Utilization**



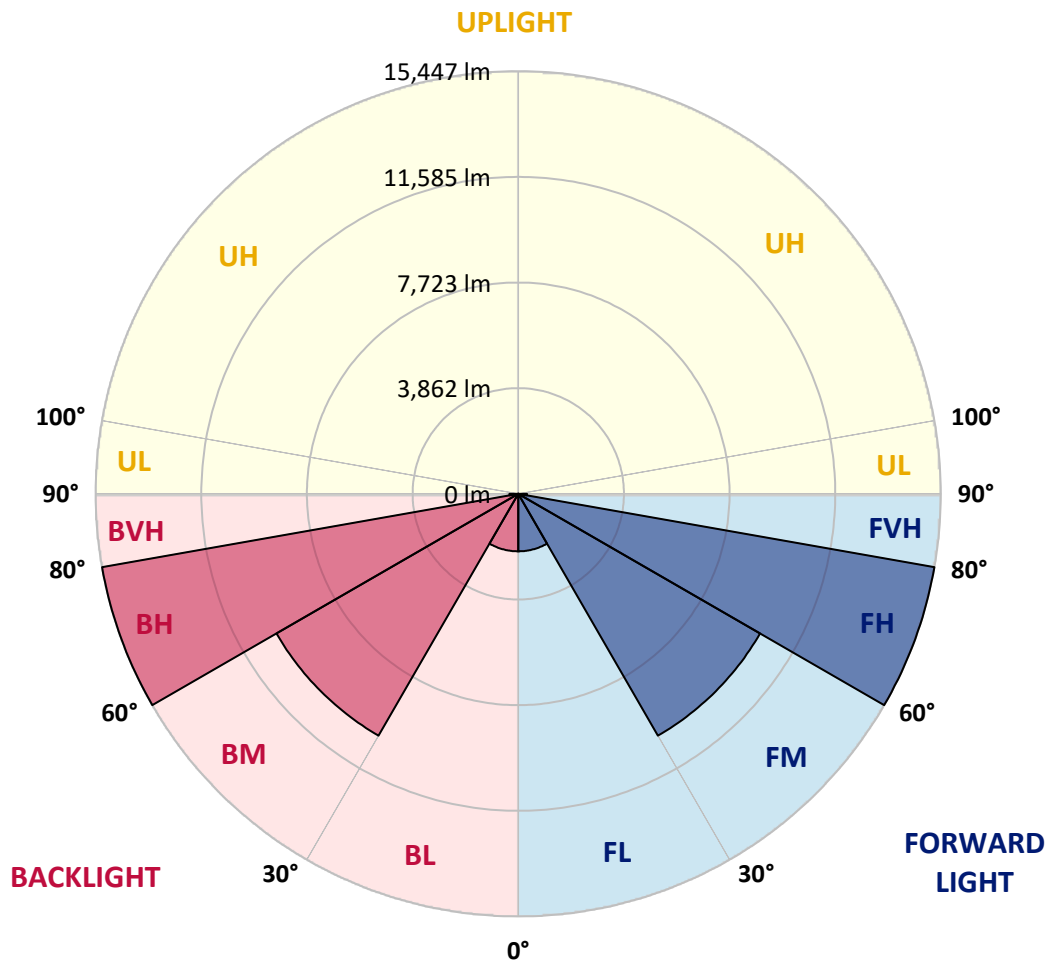
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2101.9	3.7			
FM (30°-60°)	10206.5	18.2			
FH (60°-80°)	15446.7	27.5			G5
FVH (80°-90°)	320.9	0.6			G3/500
BL (0°-30°)	2101.9	3.7	B3/2500		
BM (30°-60°)	10206.5	18.2	B5		
BH (60°-80°)	15446.7	27.5	B5		G5
BVH (80°-90°)	320.9	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5122.2	5122.2	5122.2	5122.2	5122.2	5122.2	5122.2	5122.2	5122.2	5122.2
2.5°	5090.1	5104.7	5098.8	5087.2	5087.2	5078.4	5087.2	5093.0	5101.8	5107.6
5°	5023.0	5034.6	5031.7	5023.0	5025.9	5017.1	5023.0	5031.7	5037.6	5040.5
7.5°	4964.6	4976.3	4970.4	4955.8	4955.8	4947.1	4950.0	4958.7	4967.5	4970.4
10°	4950.0	4961.7	4944.2	4920.8	4912.1	4900.4	4903.3	4912.1	4929.6	4938.3
12.5°	4955.8	4964.6	4947.1	4912.1	4903.3	4891.6	4891.6	4900.4	4923.7	4935.4
15°	4973.3	4982.1	4955.8	4917.9	4909.1	4900.4	4897.5	4909.1	4935.4	4955.8
17.5°	5005.4	5014.2	4973.3	4920.8	4909.1	4912.1	4909.1	4917.9	4958.7	4996.7
20°	5034.6	5040.5	4985.0	4920.8	4909.1	4912.1	4909.1	4926.6	4979.2	5031.7
22.5°	5043.4	5049.2	4996.7	4941.2	4932.5	4935.4	4932.5	4950.0	4999.6	5052.1
25°	5046.3	5055.1	5014.2	4970.4	4985.0	4990.9	4985.0	4987.9	5025.9	5072.6
27.5°	5090.1	5101.8	5063.8	5025.9	5034.6	5031.7	5040.5	5049.2	5078.4	5125.1
30°	5180.6	5189.3	5157.2	5119.3	5113.4	5093.0	5119.3	5148.5	5180.6	5221.4
32.5°	5329.4	5346.9	5306.1	5265.2	5238.9	5227.3	5247.7	5297.3	5341.1	5384.9
35°	5577.5	5589.2	5551.2	5475.3	5428.6	5428.6	5446.2	5510.4	5580.4	5635.9
37.5°	5927.7	5942.3	5875.2	5784.7	5714.7	5714.7	5738.0	5805.2	5910.2	5989.0
40°	6353.9	6374.3	6289.6	6196.2	6129.1	6117.4	6146.6	6222.5	6321.7	6421.0
42.5°	6867.5	6890.9	6780.0	6698.3	6645.7	6645.7	6660.3	6730.4	6820.8	6943.4
45°	7524.2	7565.1	7413.3	7331.6	7282.0	7293.7	7302.4	7363.7	7445.4	7585.5
47.5°	8306.4	8347.3	8186.8	8102.1	8093.4	8148.8	8113.8	8157.6	8201.3	8361.9
50°	9193.7	9263.7	9152.8	9147.0	9164.5	9266.6	9184.9	9208.3	9158.7	9260.8
52.5°	10279.4	10381.6	10361.1	10396.2	10591.7	10801.8	10615.1	10533.3	10346.5	10378.6
55°	11595.7	11750.4	11779.6	11989.7	12433.4	12862.4	12465.5	12135.7	11738.7	11665.8
57.5°	13093.0	13215.5	13355.6	13784.7	14613.6	15375.3	14613.6	13883.9	13259.3	13110.5
60°	14704.1	14855.8	14990.1	15623.4	16855.1	17926.2	16831.7	15673.0	14847.1	14645.7
62.5°	16434.8	16630.3	16723.7	17427.1	18863.1	20141.5	18883.5	17479.7	16563.2	16347.2
65°	18095.5	18256.0	18361.1	19111.2	20482.9	21764.2	20576.3	19192.9	18250.2	17967.1
67.5°	18868.9	18956.5	19213.3	20062.7	21510.3	22972.5	21755.5	20153.1	19099.5	18603.3
70°	17736.5	17558.5	18177.2	19537.3	21632.9	23713.9	21913.1	19496.4	18206.4	17400.9
72.5°	13705.9	13399.4	14473.5	16799.6	20231.9	23241.0	20372.0	16931.0	15141.8	13507.4
75°	7457.1	7109.8	8592.4	11534.4	16134.2	20144.4	16504.8	11864.2	9567.3	7401.6
77.5°	2104.3	1973.0	3169.6	5580.4	9704.4	14143.7	10078.0	5703.0	3759.2	2229.8
80°	645.0	624.6	846.4	1681.1	4121.1	6774.1	3960.6	1701.6	1077.0	680.0
82.5°	382.3	350.2	420.3	612.9	1050.7	2127.7	1021.5	639.2	513.7	344.4
85°	218.9	204.3	248.1	297.7	353.2	452.4	294.8	303.5	274.4	183.9
87.5°	90.5	81.7	96.3	93.4	81.7	105.1	78.8	93.4	110.9	73.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5122.2
5104.7
5040.5
4970.4
4938.3
4938.3
4958.7
4996.7
5034.6
5052.1
5069.7
5113.4
5212.7
5367.4
5615.4
5959.8
6388.9
6934.7
7579.7
8315.2
9199.5
10270.7
11551.9
13005.4
14470.6
16172.1
17827.0
18609.2
17593.5
13913.1
7883.2
2477.9
718.0
373.6
192.6
67.1
0.0

OF REPORT)