

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: P851081

Luminaire Tested: **GLAN-SB8D-927-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851081  
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-927-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 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: 53600 lumens  
Efficiency: N/A  
Efficacy: 91.6 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

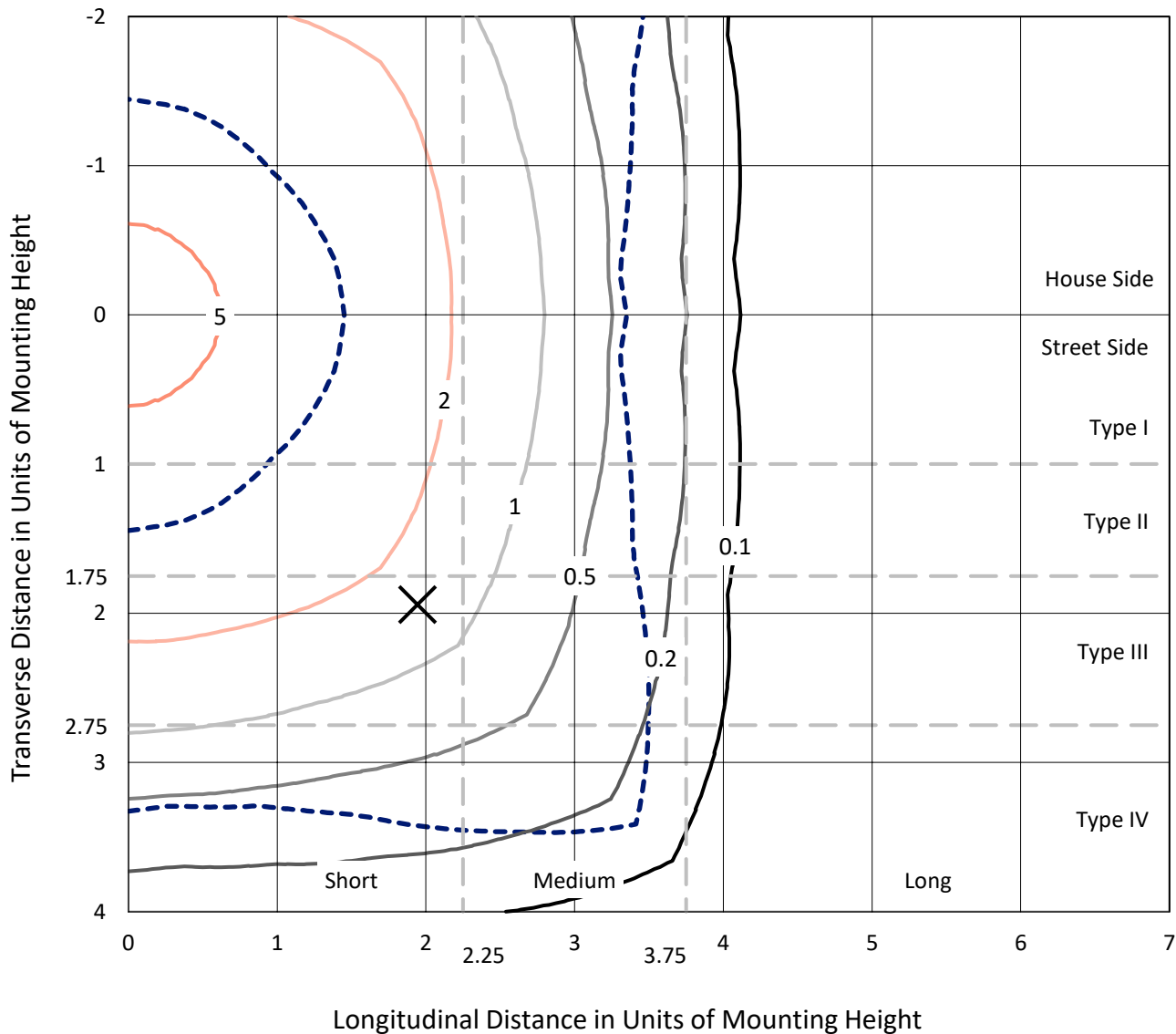
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

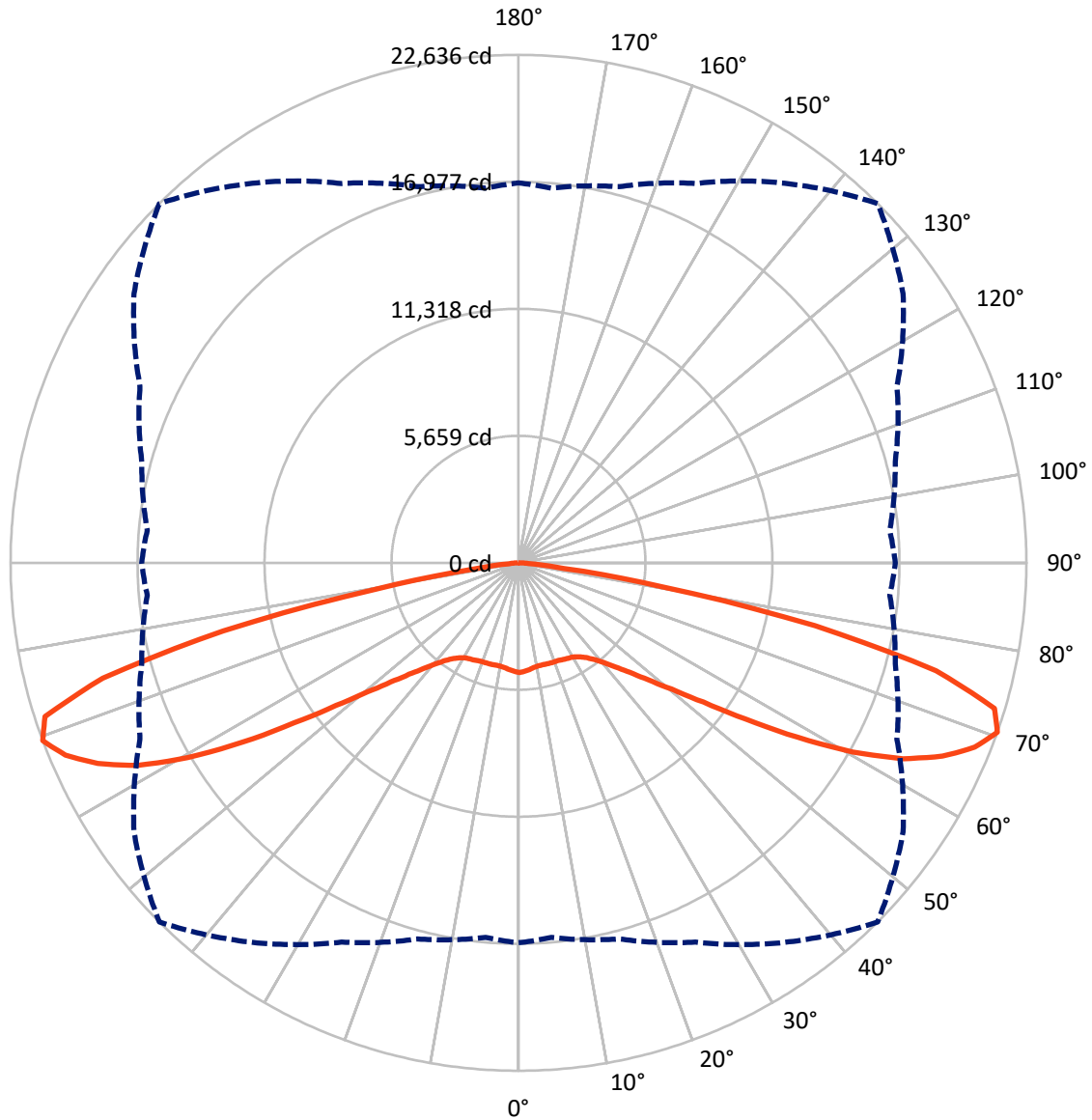
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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	26800.0	0.0	26800.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	26800.0	0.0	26800.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	53600.0	0.0	53600.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	454.8	0.8
10°-20°	1335.5	2.5
20°-30°	2222.4	4.1
30°-40°	3361.0	6.3
40°-50°	5585.2	10.4
50°-60°	10539.1	19.7
60°-70°	17795.7	33.2
70°-80°	11693.6	21.8
80°-90°	612.6	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°	53600.0	100.0
0°-180°	53600.0	100.0

**Coefficient of Utilization**



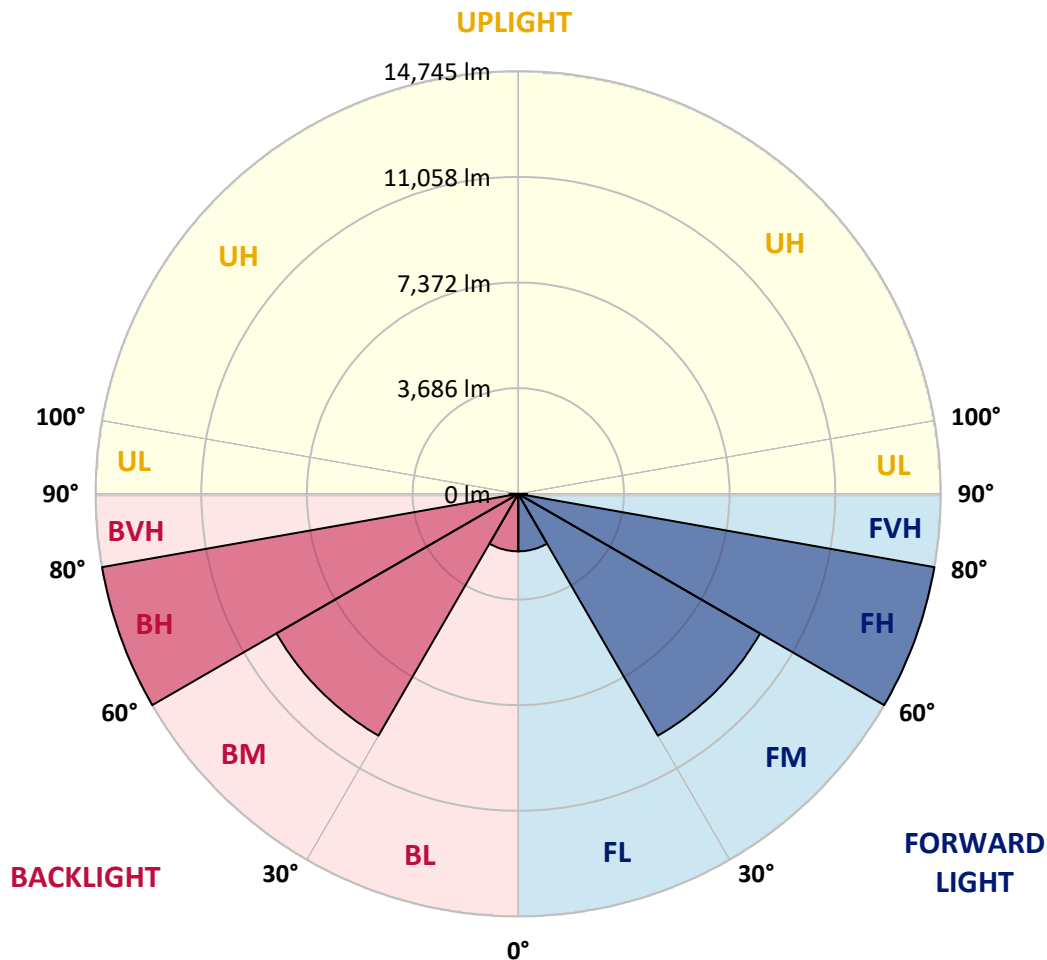
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2006.4	3.7			
FM (30°-60°)	9742.7	18.2			
FH (60°-80°)	14744.6	27.5			G5
FVH (80°-90°)	306.3	0.6			G3/500
BL (0°-30°)	2006.4	3.7	B3/2500		
BM (30°-60°)	9742.7	18.2	B5		
BH (60°-80°)	14744.6	27.5	B5		G5
BVH (80°-90°)	306.3	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°	4889.4	4889.4	4889.4	4889.4	4889.4	4889.4	4889.4	4889.4	4889.4	4889.4
2.5°	4858.8	4872.7	4867.1	4856.0	4856.0	4847.6	4856.0	4861.5	4869.9	4875.5
5°	4794.7	4805.8	4803.0	4794.7	4797.5	4789.1	4794.7	4803.0	4808.6	4811.4
7.5°	4739.0	4750.1	4744.5	4730.6	4730.6	4722.2	4725.0	4733.4	4741.7	4744.5
10°	4725.0	4736.2	4719.5	4697.2	4688.8	4677.7	4680.5	4688.8	4705.5	4713.9
12.5°	4730.6	4739.0	4722.2	4688.8	4680.5	4669.3	4669.3	4677.7	4700.0	4711.1
15°	4747.3	4755.7	4730.6	4694.4	4686.0	4677.7	4674.9	4686.0	4711.1	4730.6
17.5°	4778.0	4786.3	4747.3	4697.2	4686.0	4688.8	4686.0	4694.4	4733.4	4769.6
20°	4805.8	4811.4	4758.5	4697.2	4686.0	4688.8	4686.0	4702.7	4752.9	4803.0
22.5°	4814.2	4819.7	4769.6	4716.7	4708.3	4711.1	4708.3	4725.0	4772.4	4822.5
25°	4817.0	4825.3	4786.3	4744.5	4758.5	4764.0	4758.5	4761.2	4797.5	4842.0
27.5°	4858.8	4869.9	4833.7	4797.5	4805.8	4803.0	4811.4	4819.7	4847.6	4892.2
30°	4945.1	4953.5	4922.8	4886.6	4881.0	4861.5	4886.6	4914.5	4945.1	4984.1
32.5°	5087.2	5103.9	5064.9	5025.9	5000.8	4989.7	5009.2	5056.6	5098.3	5140.1
35°	5324.0	5335.2	5298.9	5226.5	5181.9	5181.9	5198.6	5259.9	5326.8	5379.7
37.5°	5658.3	5672.3	5608.2	5521.8	5455.0	5455.0	5477.2	5541.3	5641.6	5716.8
40°	6065.1	6084.6	6003.8	5914.6	5850.6	5839.4	5867.3	5939.7	6034.4	6129.2
42.5°	6555.4	6577.7	6471.8	6393.8	6343.7	6343.7	6357.6	6424.5	6510.8	6627.9
45°	7182.3	7221.3	7076.4	6998.4	6951.0	6962.2	6970.5	7029.0	7107.0	7240.8
47.5°	7928.9	7967.9	7814.7	7733.9	7725.5	7778.5	7745.0	7786.8	7828.6	7981.8
50°	8775.8	8842.7	8736.8	8731.3	8748.0	8845.5	8767.5	8789.8	8742.4	8839.9
52.5°	9812.2	9909.7	9890.2	9923.7	10110.3	10310.9	10132.6	10054.6	9876.3	9907.0
55°	11068.7	11216.4	11244.2	11444.8	11868.3	12277.8	11898.9	11584.1	11205.2	11135.6
57.5°	12497.9	12614.9	12748.7	13158.2	13949.4	14676.6	13949.4	13252.9	12656.7	12514.6
60°	14035.8	14180.7	14308.8	14913.4	16089.0	17111.5	16066.8	14960.7	14172.3	13980.1
62.5°	15687.9	15874.5	15963.7	16635.1	18005.8	19226.1	18025.3	16685.2	15810.5	15604.3
65°	17273.1	17426.3	17526.6	18242.6	19552.0	20775.1	19641.2	18320.6	17420.7	17150.5
67.5°	18011.4	18095.0	18340.1	19150.8	20532.7	21928.5	20766.7	19237.2	18231.5	17757.9
70°	16930.4	16760.5	17351.1	18649.4	20649.7	22636.1	20917.2	18610.4	17379.0	16610.0
72.5°	13083.0	12790.4	13815.7	16036.1	19312.4	22184.8	19446.2	16161.5	14453.7	12893.5
75°	7118.2	6786.7	8201.9	11010.2	15400.9	19228.9	15754.7	11325.0	9132.5	7065.3
77.5°	2008.7	1883.3	3025.6	5326.8	9263.4	13500.9	9620.0	5443.8	3588.3	2128.5
80°	615.7	596.2	807.9	1604.7	3933.8	6466.3	3780.6	1624.2	1028.0	649.1
82.5°	365.0	334.3	401.2	585.1	1003.0	2031.0	975.1	610.1	490.3	328.7
85°	208.9	195.0	236.8	284.2	337.1	431.8	281.4	289.7	261.9	175.5
87.5°	86.4	78.0	91.9	89.2	78.0	100.3	75.2	89.2	105.9	69.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4889.4
4872.7
4811.4
4744.5
4713.9
4713.9
4733.4
4769.6
4805.8
4822.5
4839.3
4881.0
4975.8
5123.4
5360.2
5689.0
6098.5
6619.5
7235.2
7937.3
8781.4
9803.9
11026.9
12414.3
13812.9
15437.1
17016.8
17763.4
16793.9
13280.8
7524.9
2365.3
685.4
356.6
183.9
64.1
0.0

OF REPORT)