

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: P853229

Luminaire Tested: **GLAN-SB9C-927-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853229  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9C-927-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 43418 lumens  
Efficiency: N/A  
Efficacy: 96.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5

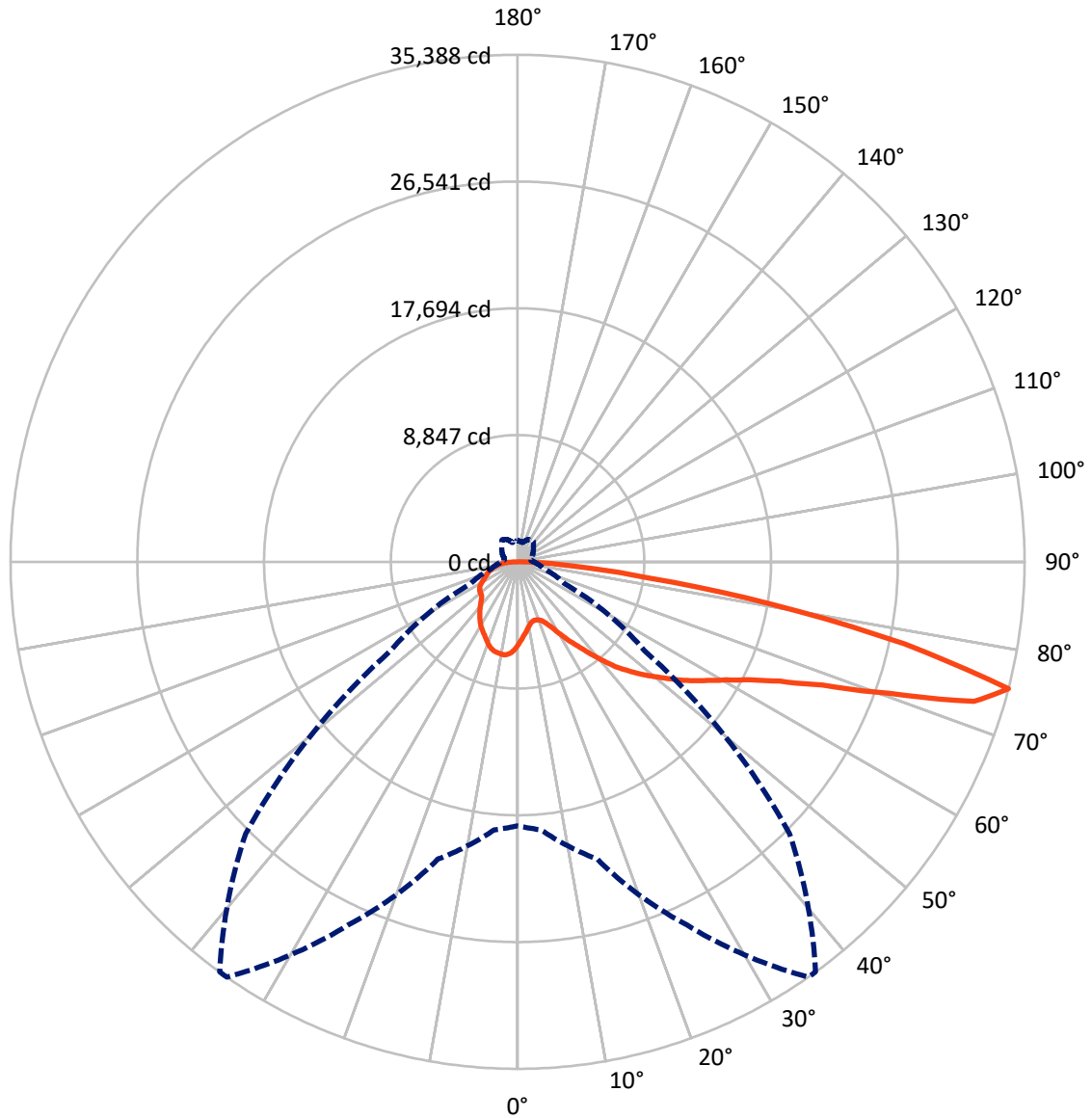
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT





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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10332.4	0.0	10332.4
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	33085.6	0.0	33085.6
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	43418.0	0.0	43418.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	547.8	1.3
10°-20°	1580.1	3.6
20°-30°	2653.4	6.1
30°-40°	4123.7	9.5
40°-50°	6120.7	14.1
50°-60°	8449.9	19.5
60°-70°	10251.7	23.6
70°-80°	8472.2	19.5
80°-90°	1218.6	2.8
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°	43418.0	100.0
0°-180°	43418.0	100.0

**Coefficient of Utilization**



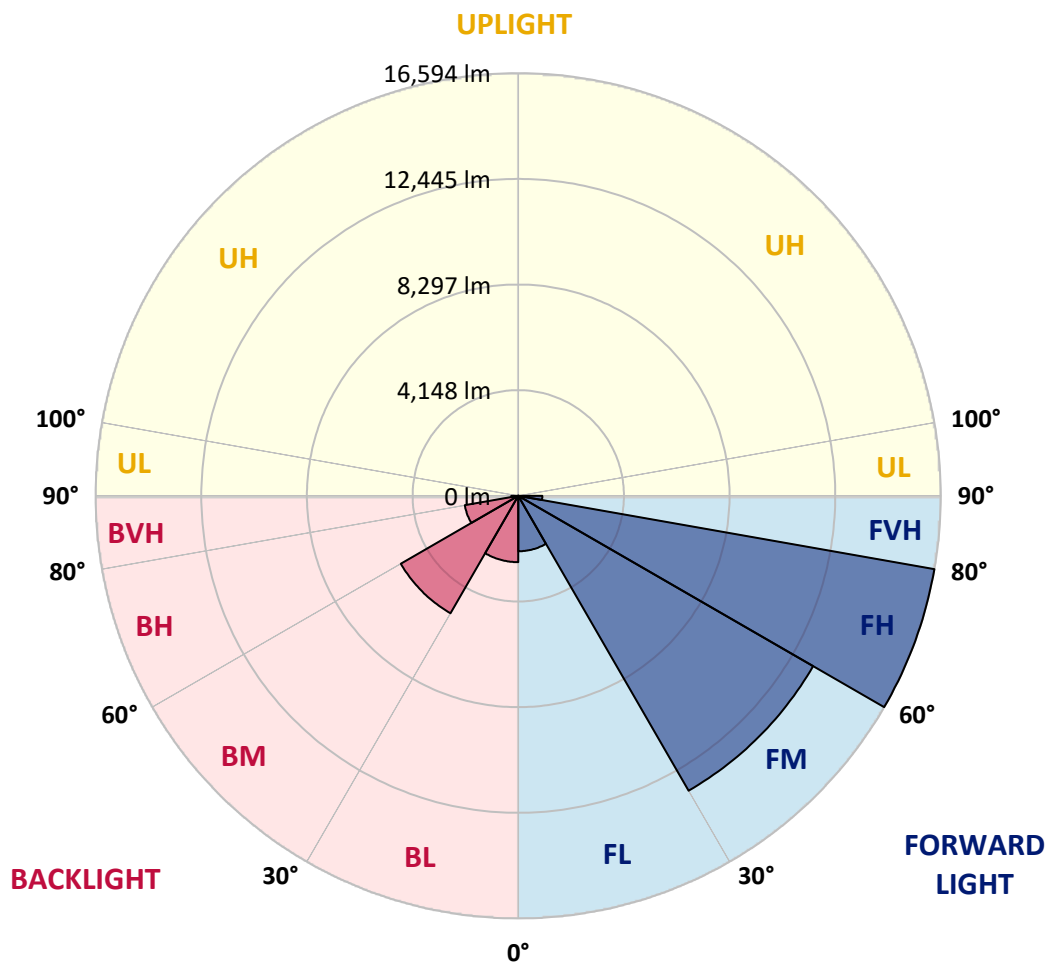
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2177.3	5.0			
FM (30°-60°)	13370.4	30.8			
FH (60°-80°)	16593.7	38.2			G5
FVH (80°-90°)	944.2	2.2			G5
BL (0°-30°)	2603.9	6.0	B4/5000		
BM (30°-60°)	5323.9	12.3	B4/8500		
BH (60°-80°)	2130.2	4.9	B3/2500		G3/2500
BVH (80°-90°)	274.4	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	5785.7	5785.7	5785.7	5785.7	5785.7	5785.7	5785.7	5785.7	5785.7	5785.7
2.5°	5335.1	5367.9	5382.0	5375.0	5410.2	5405.5	5454.8	5515.8	5600.3	5682.5
5°	4924.3	4959.5	4990.1	5018.2	5086.3	5107.4	5184.9	5302.2	5457.1	5614.4
7.5°	4541.7	4572.3	4619.2	4670.8	4785.9	4807.0	4936.1	5119.1	5335.1	5565.1
10°	4229.6	4260.1	4309.4	4368.1	4511.2	4537.1	4701.4	4945.5	5227.1	5518.2
12.5°	4095.8	4105.2	4133.3	4192.0	4316.4	4332.9	4513.6	4792.9	5121.5	5483.0
15°	4088.7	4107.5	4109.9	4140.4	4243.7	4250.7	4417.3	4694.3	5055.8	5475.9
17.5°	4159.2	4173.2	4152.1	4170.9	4257.7	4269.5	4400.9	4647.4	5034.7	5506.4
20°	4346.9	4358.7	4295.3	4269.5	4332.9	4342.2	4471.3	4677.9	5055.8	5569.8
22.5°	4746.0	4753.0	4598.1	4492.5	4497.2	4501.8	4614.5	4802.3	5137.9	5684.8
25°	5367.9	5363.3	5116.8	4912.6	4795.2	4769.4	4844.5	5004.1	5276.4	5837.4
27.5°	6095.6	6060.4	5813.9	5508.8	5252.9	5215.4	5199.0	5267.0	5473.6	6039.2
30°	6917.1	6884.2	6619.0	6220.0	5865.5	5804.5	5649.6	5614.4	5767.0	6313.9
32.5°	7818.4	7797.3	7480.4	6996.9	6522.7	6452.3	6191.8	6097.9	6217.6	6729.3
35°	8574.2	8555.4	8292.5	7794.9	7215.2	7128.3	6863.1	6757.5	6818.5	7262.1
37.5°	9257.2	9247.8	9022.5	8630.5	8032.0	7926.3	7628.3	7593.1	7581.3	7963.9
40°	9890.9	9867.4	9632.7	9426.2	8982.6	8886.3	8623.5	8592.9	8503.8	8827.7
42.5°	10592.7	10531.7	10191.4	10095.1	9975.4	9895.6	9738.4	9743.0	9545.9	9801.7
45°	11165.4	11130.2	10780.5	10724.2	10853.3	10820.4	10956.5	10991.7	10609.2	10822.7
47.5°	11780.4	11747.5	11451.8	11411.9	11761.6	11771.0	12252.2	12263.9	11646.6	11883.7
50°	12538.5	12491.6	12198.2	12247.5	12639.4	12674.6	13554.8	13475.0	12601.9	12961.0
52.5°	13038.5	13066.6	13003.3	13083.1	13618.2	13651.1	14836.4	14632.2	13547.8	14024.3
55°	13407.0	13463.3	13660.5	13843.5	14651.0	14683.8	16045.2	15733.0	14331.7	15010.1
57.5°	13881.1	13801.3	14169.8	14526.6	15632.1	15718.9	17221.1	16793.9	15026.5	15859.7
60°	14561.8	14505.4	14791.8	15319.9	16730.5	16869.0	18465.1	17749.2	15535.8	16533.4
62.5°	15941.9	15801.1	15845.7	16312.7	18115.4	18298.4	19868.7	18582.4	15789.3	16796.3
65°	18005.0	17763.3	17538.0	17861.9	20065.8	20246.6	21453.0	19237.3	15695.4	16286.9
67.5°	20603.3	20363.9	20087.0	20392.1	22938.8	23081.9	23408.2	19605.8	14956.1	14324.7
70°	22746.3	22657.1	22988.1	24243.8	27527.5	27532.2	25915.0	19300.7	12930.5	10156.1
72.5°	22462.3	22408.3	24152.2	28034.4	33310.9	33186.5	28287.9	16991.1	8710.3	4581.7
75°	18427.5	18777.3	21478.8	27966.4	35388.1	35371.7	26835.0	10801.6	3602.9	1898.9
77.5°	9881.5	10435.5	13944.5	20647.9	27626.0	28041.5	18866.4	3778.9	1546.8	1215.8
80°	3222.6	3706.2	5558.1	10512.9	17951.1	17873.6	8086.0	1483.4	1058.6	861.4
82.5°	1368.4	1424.7	2483.3	4964.2	9212.6	9069.4	2574.8	852.0	744.0	589.1
85°	535.2	598.5	1096.1	2295.5	3990.2	3903.3	929.5	422.5	476.5	384.9
87.5°	176.0	213.6	392.0	786.3	1241.6	1197.1	227.7	145.5	206.5	176.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5785.7	0°	5785.7	5785.7	5785.7	5785.7	5785.7	5785.7	5785.7	5785.7	5785.7	5785.7
5802.2	2.5°	5835.0	5872.6	5917.2	5982.9	6039.2	6086.2	6135.5	6166.0	6177.7	6212.9
5811.6	5°	5877.3	5959.4	6069.7	6177.7	6283.3	6346.7	6403.0	6431.2	6457.0	6475.8
5837.4	7.5°	5947.7	6053.3	6227.0	6367.8	6457.0	6508.7	6546.2	6536.8	6546.2	6550.9
5865.5	10°	6008.7	6156.6	6363.1	6496.9	6565.0	6567.3	6558.0	6525.1	6508.7	6511.0
5907.8	12.5°	6081.5	6245.8	6468.8	6581.4	6600.2	6548.6	6508.7	6452.3	6431.2	6421.8
5971.2	15°	6180.1	6367.8	6583.8	6626.0	6579.1	6513.4	6445.3	6353.8	6306.8	6269.3
6079.1	17.5°	6299.8	6506.3	6673.0	6642.5	6541.5	6433.6	6323.2	6184.8	6088.5	6048.6
6227.0	20°	6466.4	6651.8	6741.0	6607.2	6454.7	6290.4	6102.6	5933.6	5844.4	5804.5
6414.8	22.5°	6668.3	6846.7	6806.8	6546.2	6330.3	6067.4	5832.7	5708.3	5663.7	5635.5
6656.5	25°	6910.0	7062.6	6853.7	6457.0	6126.1	5771.7	5590.9	5551.0	5529.9	5508.8
6952.3	27.5°	7224.5	7306.7	6888.9	6325.6	5806.9	5457.1	5391.4	5398.5	5391.4	5356.2
7363.0	30°	7640.0	7623.6	6921.8	6112.0	5440.7	5173.1	5177.8	5208.3	5213.0	5189.6
7935.7	32.5°	8186.9	8020.2	6938.2	5835.0	5091.0	4924.3	4929.0	4961.9	4985.4	4945.5
8684.5	35°	8848.8	8482.6	6912.4	5487.7	4821.1	4687.3	4652.1	4661.5	4668.5	4630.9
9592.8	37.5°	9621.0	9001.3	6797.4	5102.7	4598.1	4454.9	4379.8	4316.4	4278.9	4243.7
10620.9	40°	10468.3	9567.0	6586.1	4727.2	4349.3	4208.5	4095.8	3976.1	3849.3	3802.4
11710.0	42.5°	11355.5	10149.1	6330.3	4368.1	4062.9	3947.9	3828.2	3654.5	3464.4	3368.2
12841.3	45°	12275.6	10745.3	6079.1	4013.6	3769.5	3720.2	3581.8	3372.9	3166.3	3044.3
13975.0	47.5°	13176.9	11308.6	5710.6	3656.9	3494.9	3548.9	3440.9	3248.5	3018.4	2826.0
15099.3	50°	14038.3	11836.7	5107.4	3295.4	3271.9	3497.3	3394.0	3117.0	2854.1	2607.7
16202.4	52.5°	14892.7	12263.9	4335.2	2966.8	3152.2	3483.2	3333.0	3027.8	2706.3	2448.1
17239.9	55°	15618.0	12484.5	3591.2	2685.1	2978.5	3363.5	3260.2	2922.2	2497.4	2222.8
17951.1	57.5°	16031.1	12306.1	2971.5	2408.2	2739.1	3166.3	3135.8	2696.9	2248.6	2037.3
18089.5	60°	15852.7	11583.2	2464.5	2166.4	2511.5	2952.7	2919.9	2473.9	2058.5	1858.9
17347.8	62.5°	14869.2	10205.4	2063.2	1955.2	2304.9	2734.4	2703.9	2302.6	1912.9	1720.5
15378.6	65°	12888.2	8301.9	1751.0	1779.1	2096.0	2471.6	2516.2	2159.4	1797.9	1610.1
11897.7	67.5°	9829.9	6013.4	1506.9	1626.6	1891.8	2213.4	2342.5	2056.1	1701.7	1523.3
6884.2	70°	5602.7	3415.1	1300.3	1478.7	1711.1	1974.0	2208.7	1974.0	1598.4	1450.5
2579.5	72.5°	2124.2	1567.9	1124.3	1330.8	1537.4	1772.1	2060.8	1844.9	1478.7	1368.4
1333.2	75°	1133.7	955.3	945.9	1157.1	1337.9	1574.9	1875.4	1718.1	1389.5	1445.8
922.4	77.5°	772.2	676.0	791.0	990.5	1119.6	1356.7	1678.2	1525.7	1204.1	1199.4
638.4	80°	535.2	478.8	643.1	798.0	866.1	1140.7	1464.6	1309.7	981.1	915.4
394.3	82.5°	321.6	312.2	481.2	596.2	612.6	880.2	1213.5	1098.5	802.7	699.5
234.7	85°	176.0	185.4	307.5	349.7	356.8	615.0	950.6	849.7	617.3	518.7
84.5	87.5°	49.3	63.4	112.7	138.5	171.3	319.2	565.7	504.6	309.8	215.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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<u>180°</u>
5785.7
6210.6
6480.5
6558.0
6515.7
6417.1
6281.0
6051.0
5799.8
5640.2
5508.8
5363.3
5201.3
4964.2
4656.8
4267.1
3823.5
3379.9
3034.9
2804.9
2586.6
2419.9
2199.3
2009.2
1830.8
1690.0
1579.6
1495.1
1431.8
1349.6
1492.8
1105.5
875.5
704.1
523.4
215.9
0.0

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