

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: P852855

Luminaire Tested: **GLAN-SB6D-927-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852855  
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-SB6D-927-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 39277 lumens  
Efficiency: N/A  
Efficacy: 89.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

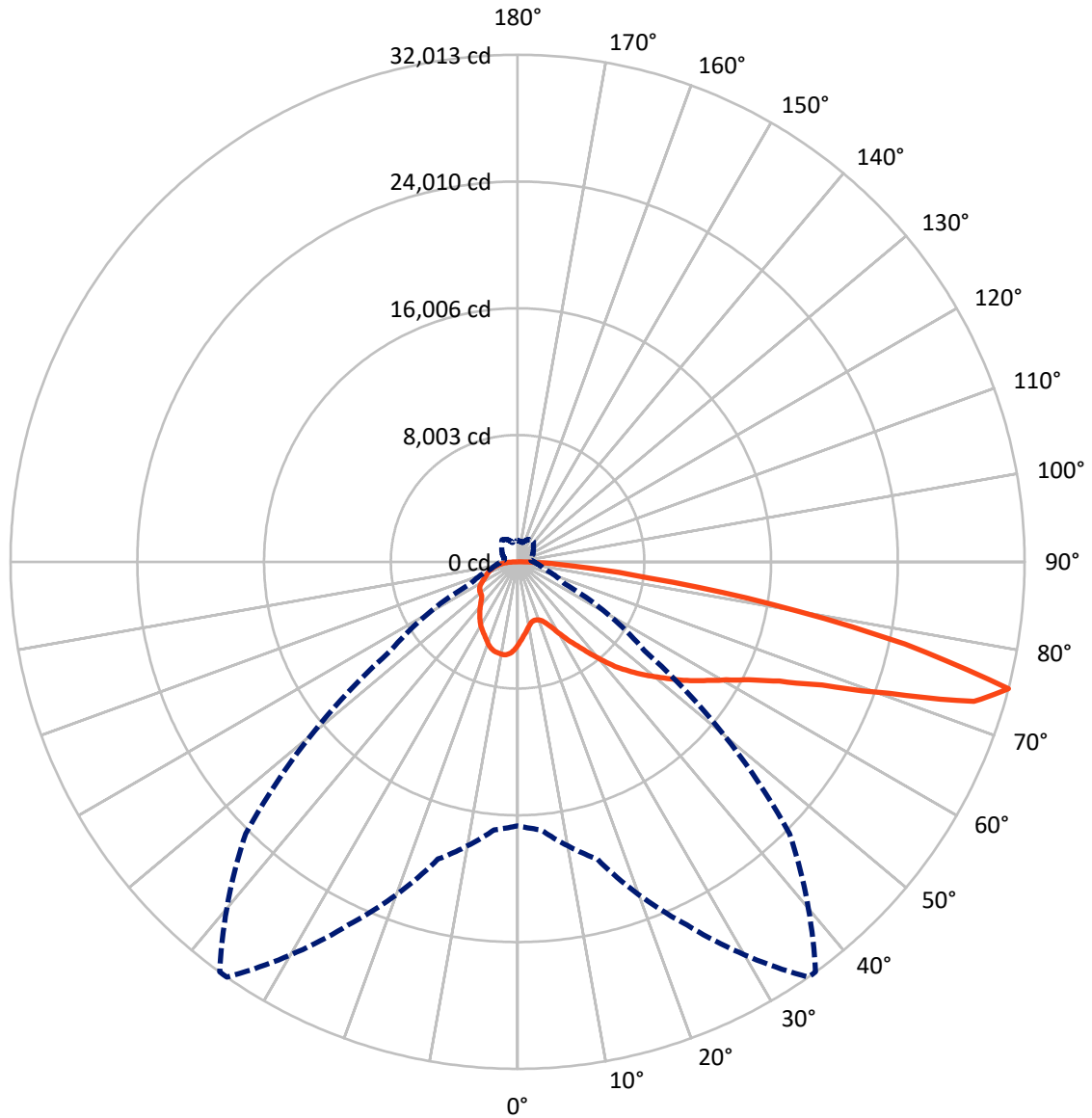
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT





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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	9346.9	0.0	9346.9
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	29930.1	0.0	29930.1
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	39277.0	0.0	39277.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	495.5	1.3
10°-20°	1429.4	3.6
20°-30°	2400.3	6.1
30°-40°	3730.4	9.5
40°-50°	5536.9	14.1
50°-60°	7644.0	19.5
60°-70°	9273.9	23.6
70°-80°	7664.2	19.5
80°-90°	1102.3	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°	39277.0	100.0
0°-180°	39277.0	100.0

**Coefficient of Utilization**

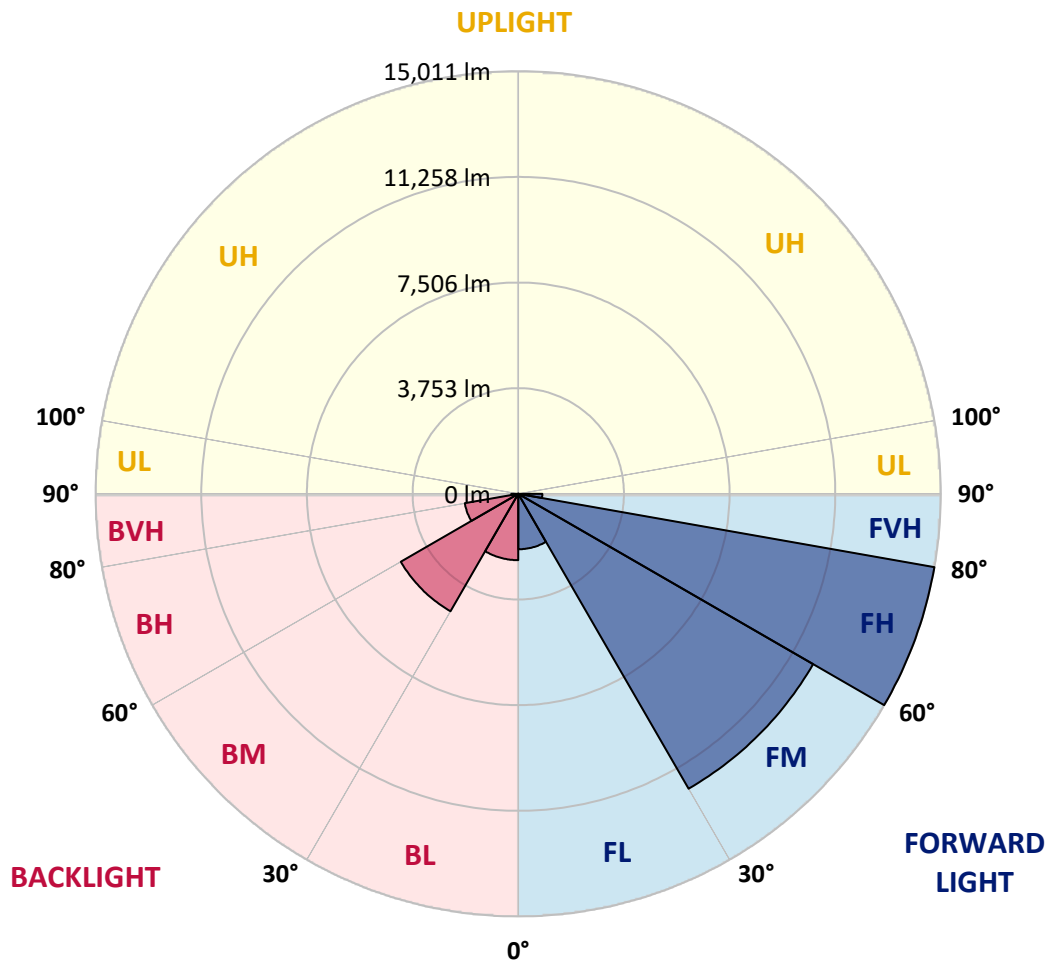


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1969.7	5.0			
FM (30°-60°)	12095.2	30.8			
FH (60°-80°)	15011.1	38.2			G5
FVH (80°-90°)	854.1	2.2			G5
BL (0°-30°)	2355.6	6.0	B3/2500		
BM (30°-60°)	4816.1	12.3	B3/5000		
BH (60°-80°)	1927.1	4.9	B3/2500		G3/2500
BVH (80°-90°)	248.2	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	5233.9	5233.9	5233.9	5233.9	5233.9	5233.9	5233.9	5233.9	5233.9	5233.9
2.5°	4826.3	4856.0	4868.7	4862.3	4894.2	4890.0	4934.5	4989.7	5066.2	5140.5
5°	4454.7	4486.5	4514.1	4539.6	4601.2	4620.3	4690.4	4796.5	4936.7	5078.9
7.5°	4108.6	4136.2	4178.6	4225.4	4329.4	4348.5	4465.3	4630.9	4826.3	5034.3
10°	3826.2	3853.8	3898.4	3951.5	4081.0	4104.3	4253.0	4473.8	4728.6	4991.9
12.5°	3705.2	3713.6	3739.1	3792.2	3904.7	3919.6	4083.1	4335.8	4633.0	4960.0
15°	3698.8	3715.8	3717.9	3745.5	3838.9	3845.3	3996.0	4246.6	4573.6	4953.7
17.5°	3762.5	3775.2	3756.1	3773.1	3851.7	3862.3	3981.2	4204.1	4554.5	4981.3
20°	3932.3	3943.0	3885.6	3862.3	3919.6	3928.1	4044.9	4231.7	4573.6	5038.6
22.5°	4293.3	4299.7	4159.5	4064.0	4068.2	4072.5	4174.4	4344.3	4647.9	5142.6
25°	4856.0	4851.7	4628.8	4444.1	4337.9	4314.5	4382.5	4526.9	4773.2	5280.6
27.5°	5514.2	5482.4	5259.4	4983.4	4751.9	4718.0	4703.1	4764.7	4951.5	5463.2
30°	6257.4	6227.6	5987.7	5626.7	5306.1	5250.9	5110.8	5078.9	5216.9	5711.7
32.5°	7072.7	7053.6	6766.9	6329.5	5900.6	5836.9	5601.3	5516.3	5624.6	6087.5
35°	7756.4	7739.4	7501.6	7051.5	6527.0	6448.5	6208.5	6113.0	6168.2	6569.5
37.5°	8374.3	8365.8	8162.0	7807.4	7265.9	7170.4	6900.7	6868.9	6858.2	7204.3
40°	8947.6	8926.3	8714.0	8527.2	8125.9	8038.8	7801.0	7773.4	7692.7	7985.7
42.5°	9582.4	9527.2	9219.4	9132.3	9024.0	8951.8	8809.6	8813.8	8635.4	8866.9
45°	10100.5	10068.7	9752.3	9701.3	9818.1	9788.4	9911.5	9943.4	9597.3	9790.5
47.5°	10656.8	10627.1	10359.6	10323.5	10639.8	10648.3	11083.6	11094.2	10535.8	10750.3
50°	11342.7	11300.2	11034.8	11079.4	11434.0	11465.8	12262.0	12189.8	11400.0	11724.8
52.5°	11794.9	11820.4	11763.1	11835.3	12319.4	12349.1	13421.4	13236.6	12255.7	12686.7
55°	12128.3	12179.2	12357.6	12523.2	13253.6	13283.3	14514.9	14232.5	12964.8	13578.5
57.5°	12557.2	12485.0	12818.3	13141.1	14141.2	14219.7	15578.6	15192.2	13593.3	14347.1
60°	13172.9	13122.0	13381.0	13858.8	15134.9	15260.1	16704.0	16056.4	14054.1	14956.5
62.5°	14421.4	14294.0	14334.4	14756.9	16387.6	16553.2	17973.7	16810.1	14283.4	15194.3
65°	16287.8	16069.1	15865.3	16158.3	18152.1	18315.6	19406.9	17402.5	14198.5	14733.6
67.5°	18638.3	18421.7	18171.2	18447.2	20751.0	20880.5	21175.6	17735.9	13529.6	12958.5
70°	20576.9	20496.2	20795.6	21931.5	24902.0	24906.3	23443.3	17459.9	11697.2	9187.5
72.5°	20319.9	20271.1	21848.7	25360.7	30133.8	30021.3	25590.0	15370.5	7879.6	4144.7
75°	16670.0	16986.4	19430.3	25299.1	32012.9	31998.1	24275.6	9771.4	3259.3	1717.7
77.5°	8939.1	9440.2	12614.5	18678.6	24991.2	25367.0	17067.1	3418.5	1399.3	1099.9
80°	2915.3	3352.7	5028.0	9510.2	16239.0	16168.9	7314.8	1341.9	957.6	779.2
82.5°	1237.9	1288.8	2246.4	4490.8	8333.9	8204.4	2329.3	770.8	673.1	532.9
85°	484.1	541.4	991.6	2076.6	3609.6	3531.0	840.8	382.2	431.0	348.2
87.5°	159.2	193.2	354.6	711.3	1123.2	1082.9	206.0	131.6	186.9	159.2
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°
5233.9	0°	5233.9	5233.9	5233.9	5233.9	5233.9	5233.9	5233.9	5233.9	5233.9	5233.9
5248.8	2.5°	5278.5	5312.5	5352.8	5412.3	5463.2	5505.7	5550.3	5577.9	5588.5	5620.4
5257.3	5°	5316.7	5391.0	5490.8	5588.5	5684.1	5741.4	5792.4	5817.8	5841.2	5858.2
5280.6	7.5°	5380.4	5476.0	5633.1	5760.5	5841.2	5887.9	5921.9	5913.4	5921.9	5926.1
5306.1	10°	5435.6	5569.4	5756.3	5877.3	5938.9	5941.0	5932.5	5902.8	5887.9	5890.0
5344.3	12.5°	5501.5	5650.1	5851.8	5953.7	5970.7	5924.0	5887.9	5836.9	5817.8	5809.3
5401.7	15°	5590.6	5760.5	5955.8	5994.1	5951.6	5892.1	5830.6	5747.8	5705.3	5671.3
5499.3	17.5°	5698.9	5885.8	6036.5	6008.9	5917.6	5820.0	5720.2	5594.9	5507.8	5471.7
5633.1	20°	5849.7	6017.4	6098.1	5977.1	5839.1	5690.4	5520.6	5367.7	5287.0	5250.9
5803.0	22.5°	6032.3	6193.7	6157.6	5921.9	5726.5	5488.7	5276.4	5163.9	5123.5	5098.0
6021.7	25°	6251.0	6389.0	6200.0	5841.2	5541.8	5221.2	5057.7	5021.6	5002.5	4983.4
6289.2	27.5°	6535.5	6609.8	6231.9	5722.3	5253.0	4936.7	4877.2	4883.6	4877.2	4845.4
6660.8	30°	6911.3	6896.5	6261.6	5529.1	4921.8	4679.7	4684.0	4711.6	4715.8	4694.6
7178.9	32.5°	7406.1	7255.3	6276.5	5278.5	4605.4	4454.7	4458.9	4488.6	4509.9	4473.8
7856.2	35°	8004.8	7673.6	6253.1	4964.3	4361.3	4240.2	4208.4	4216.9	4223.2	4189.3
8677.9	37.5°	8703.4	8142.8	6149.1	4616.0	4159.5	4030.0	3962.1	3904.7	3870.8	3838.9
9607.9	40°	9469.9	8654.6	5958.0	4276.3	3934.5	3807.1	3705.2	3596.9	3482.2	3439.7
10593.1	42.5°	10272.5	9181.1	5726.5	3951.5	3675.4	3571.4	3463.1	3306.0	3134.0	3046.9
11616.6	45°	11104.8	9720.5	5499.3	3630.8	3410.0	3365.4	3240.2	3051.2	2864.3	2753.9
12642.1	47.5°	11920.2	10230.0	5166.0	3308.1	3161.6	3210.4	3112.8	2938.6	2730.6	2556.4
13659.2	50°	12699.4	10707.8	4620.3	2981.1	2959.9	3163.7	3070.3	2819.7	2581.9	2359.0
14657.1	52.5°	13472.3	11094.2	3921.7	2683.8	2851.6	3151.0	3015.1	2739.1	2448.2	2214.6
15595.6	55°	14128.4	11293.8	3248.6	2429.1	2694.5	3042.7	2949.3	2643.5	2259.2	2010.8
16239.0	57.5°	14502.1	11132.4	2688.1	2178.5	2477.9	2864.3	2836.7	2439.7	2034.1	1843.0
16364.2	60°	14340.7	10478.5	2229.5	1959.8	2271.9	2671.1	2641.4	2238.0	1862.1	1681.7
15693.3	62.5°	13451.1	9232.1	1866.4	1768.7	2085.1	2473.6	2446.0	2083.0	1730.5	1556.4
13911.8	65°	11659.0	7510.1	1584.0	1609.5	1896.1	2235.8	2276.2	1953.4	1626.4	1456.6
10763.0	67.5°	8892.4	5439.9	1363.2	1471.4	1711.4	2002.3	2119.0	1860.0	1539.4	1378.0
6227.6	70°	5068.3	3089.4	1176.3	1337.7	1547.9	1785.7	1998.0	1785.7	1446.0	1312.2
2333.5	72.5°	1921.6	1418.4	1017.1	1203.9	1390.8	1603.1	1864.3	1668.9	1337.7	1237.9
1206.0	75°	1025.6	864.2	855.7	1046.8	1210.3	1424.7	1696.5	1554.3	1257.0	1308.0
834.5	77.5°	698.6	611.5	715.6	896.0	1012.8	1227.3	1518.2	1380.1	1089.3	1085.0
577.5	80°	484.1	433.2	581.8	721.9	783.5	1031.9	1324.9	1184.8	887.5	828.1
356.7	82.5°	290.9	282.4	435.3	539.3	554.2	796.2	1097.7	993.7	726.2	632.7
212.3	85°	159.2	167.7	278.2	316.4	322.7	556.3	859.9	768.6	558.4	469.2
76.4	87.5°	44.6	57.3	101.9	125.3	155.0	288.8	511.7	456.5	280.3	195.3
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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180°
5233.9
5618.2
5862.4
5932.5
5894.3
5805.1
5681.9
5473.9
5246.7
5102.3
4983.4
4851.7
4705.2
4490.8
4212.6
3860.2
3458.9
3057.5
2745.4
2537.3
2339.9
2189.1
1989.5
1817.5
1656.2
1528.8
1429.0
1352.5
1295.2
1220.9
1350.4
1000.1
792.0
637.0
473.5
195.3
0.0

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