

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: P850584

Luminaire Tested: **GLAN-SB8A-930-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850584  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8A-930-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24209 lumens  
Efficiency: N/A  
Efficacy: 106.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

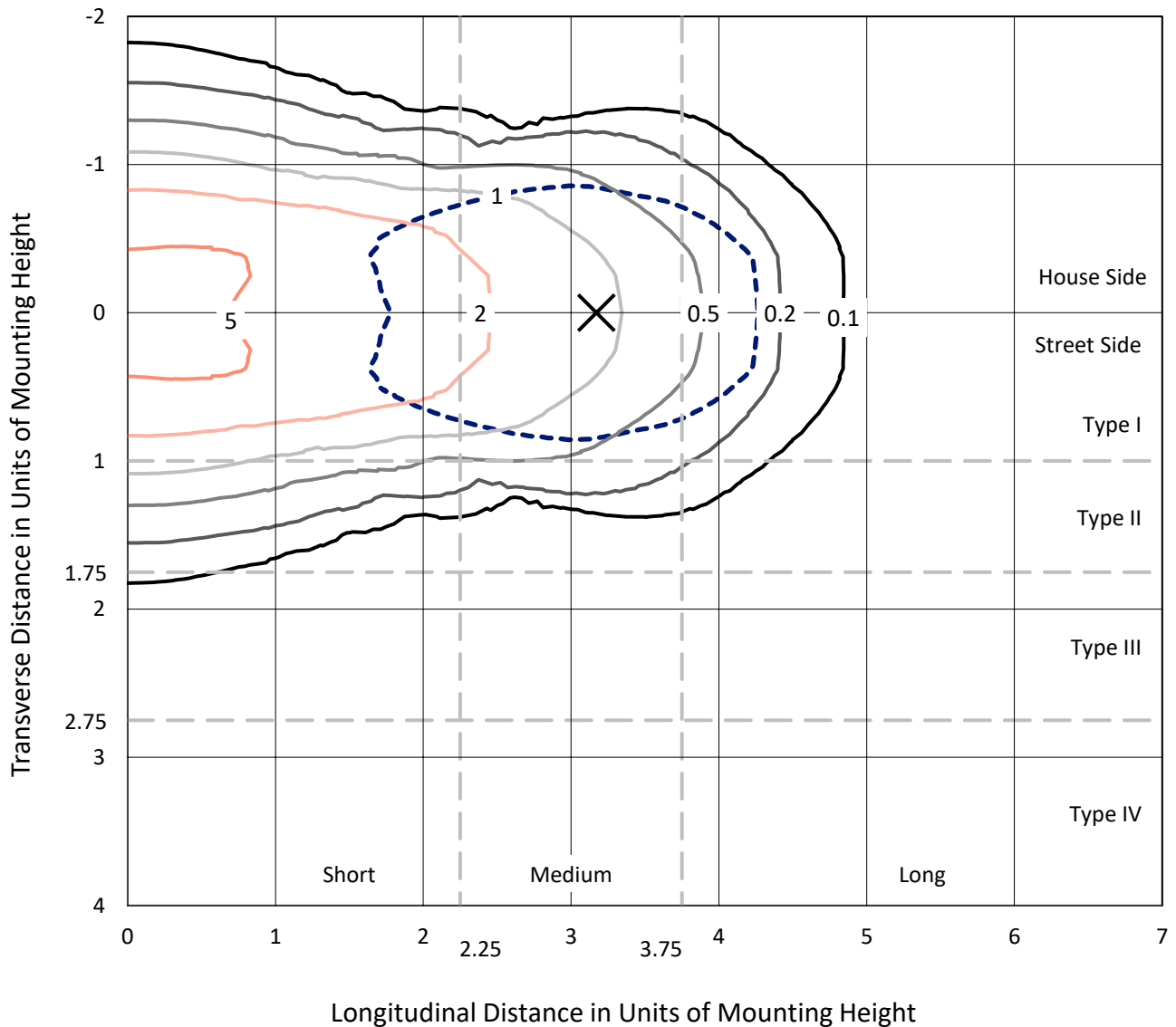
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P850584  
 CATALOG NUMBER: GLAN-SB8A-930-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

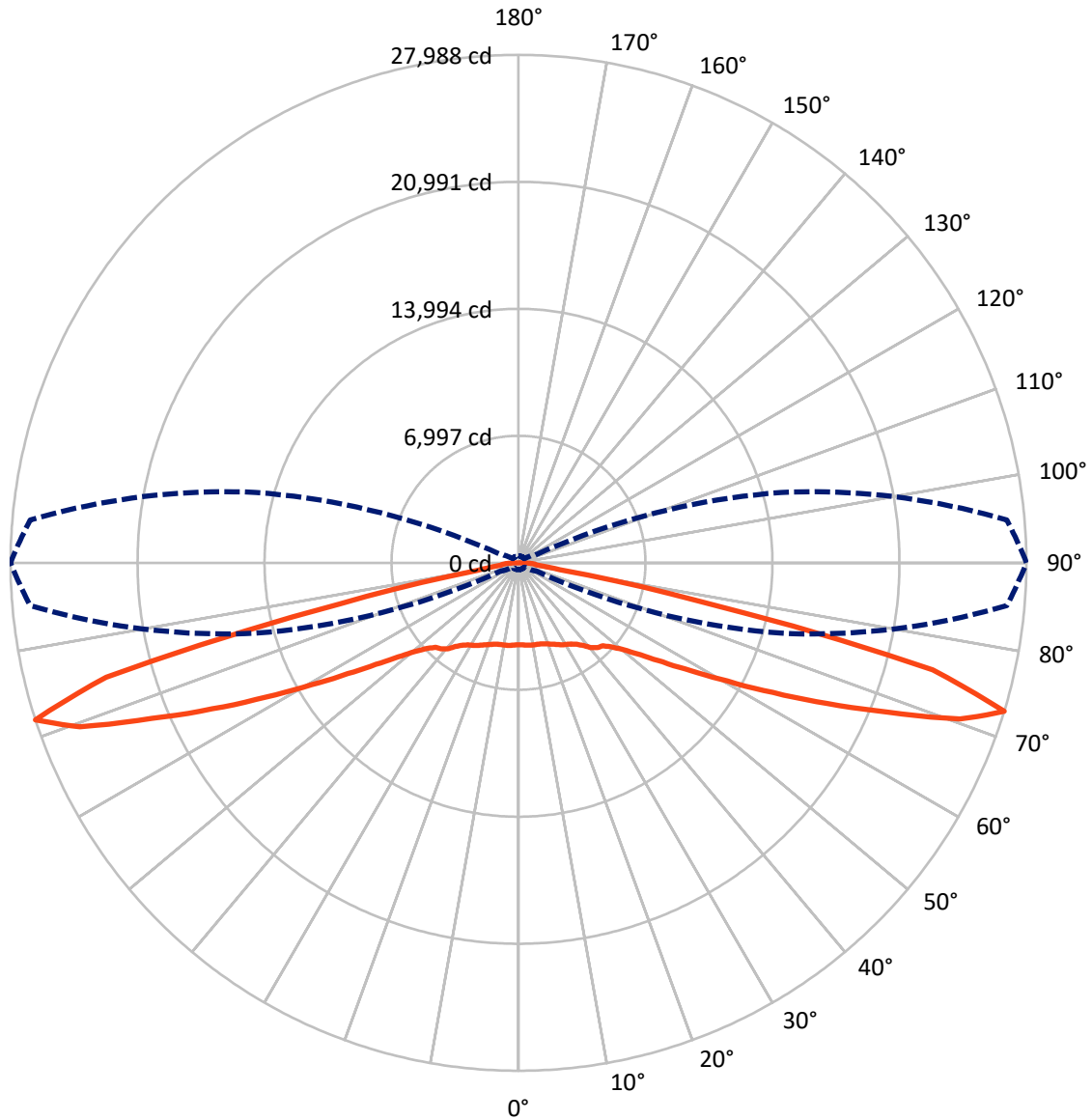
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc  
 Type I - Short - N/A

REPORT NUMBER: P850584  
CATALOG NUMBER: GLAN-SB8A-930-U-T1

### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P850584  
 CATALOG NUMBER: GLAN-SB8A-930-U-T1

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12104.5	0.0	12104.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12104.5	0.0	12104.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24209.0	0.0	24209.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	438.6	1.8
10°-20°	1341.1	5.5
20°-30°	2236.2	9.2
30°-40°	3075.5	12.7
40°-50°	3756.1	15.5
50°-60°	4344.3	17.9
60°-70°	5179.9	21.4
70°-80°	3615.2	14.9
80°-90°	222.0	0.9
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°	24209.0	100.0
0°-180°	24209.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P850584

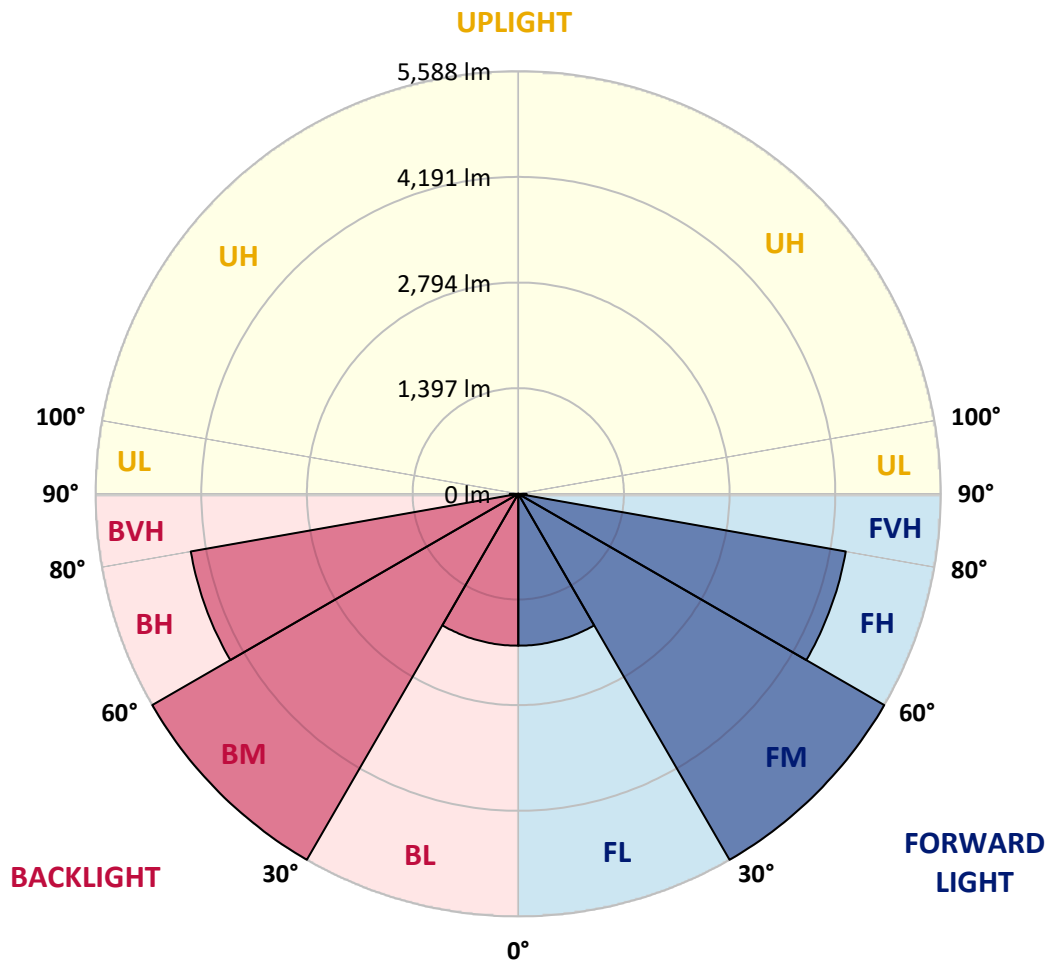
CATALOG NUMBER: GLAN-SB8A-930-U-T1

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2008.0	8.3			
FM (30°-60°)	5587.9	23.1			
FH (60°-80°)	4397.5	18.2			G2/5000
FVH (80°-90°)	111.0	0.5			G2/225
BL (0°-30°)	2008.0	8.3	B3/2500		
BM (30°-60°)	5587.9	23.1	B4/8500		
BH (60°-80°)	4397.5	18.2	B4/5000		G4/5000
BVH (80°-90°)	111.0	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type I Short



REPORT NUMBER: P850584

CATALOG NUMBER: GLAN-SB8A-930-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4523.7	4523.7	4523.7	4523.7	4523.7	4523.7	4523.7	4523.7	4523.7	4523.7
2.5°	4527.6	4532.7	4532.7	4528.9	4537.9	4530.1	4530.1	4526.3	4530.1	4526.3
5°	4550.7	4557.2	4559.7	4558.4	4570.0	4563.6	4563.6	4558.4	4559.7	4555.9
7.5°	4594.5	4603.5	4608.6	4615.1	4631.8	4624.1	4618.9	4603.5	4597.0	4586.8
10°	4608.6	4618.9	4635.6	4669.1	4707.7	4709.0	4693.5	4654.9	4625.3	4602.2
12.5°	4564.9	4579.0	4613.8	4682.0	4768.2	4802.9	4778.5	4714.1	4656.2	4615.1
15°	4509.6	4525.0	4577.7	4680.7	4808.0	4889.1	4886.5	4801.6	4709.0	4644.6
17.5°	4423.4	4438.8	4514.7	4658.8	4838.9	4972.7	5008.8	4921.3	4791.3	4705.1
20°	4267.7	4281.8	4387.3	4589.3	4849.2	5061.5	5155.4	5078.2	4916.1	4799.0
22.5°	4065.7	4087.5	4211.1	4469.7	4824.8	5154.1	5322.7	5269.9	5061.5	4899.4
25°	3849.5	3872.7	4016.8	4323.0	4761.7	5221.0	5520.8	5487.4	5226.2	5024.2
27.5°	3663.0	3687.4	3844.4	4177.6	4663.9	5246.8	5716.4	5733.1	5425.6	5161.9
30°	3516.3	3539.5	3706.7	4060.5	4537.9	5221.0	5887.5	6003.3	5628.9	5281.5
32.5°	3355.5	3385.1	3561.3	3917.7	4388.6	5159.3	6036.8	6295.4	5864.4	5410.2
35°	3152.2	3179.2	3364.5	3722.2	4193.0	5060.2	6161.6	6619.6	6201.4	5605.7
37.5°	2905.2	2930.9	3114.9	3477.7	3998.8	4921.3	6256.8	6985.0	6602.9	5887.5
40°	2656.8	2681.3	2853.7	3204.9	3765.9	4743.7	6290.2	7342.7	7063.5	6274.8
42.5°	2429.1	2451.0	2609.2	2936.0	3504.7	4517.3	6246.5	7654.0	7476.5	6545.0
45°	2219.4	2238.7	2378.9	2683.9	3233.2	4241.9	6115.2	7988.5	7968.0	6738.0
47.5°	1980.1	1999.4	2144.8	2439.4	2961.8	3919.0	5892.7	8317.9	8651.1	7175.4
50°	1688.0	1704.8	1854.0	2157.6	2680.0	3575.5	5583.9	8576.5	9513.2	7838.0
52.5°	1341.9	1359.9	1505.3	1809.0	2345.5	3206.2	5177.3	8745.1	10509.0	8805.5
55°	998.4	1011.3	1137.4	1410.1	1931.2	2785.5	4667.8	8792.7	11638.6	10128.2
57.5°	724.4	732.1	813.1	1016.4	1464.2	2259.3	4048.9	8669.2	12983.1	11823.9
60°	586.7	589.3	613.7	703.8	1017.7	1664.9	3301.4	8244.6	14442.2	14009.9
62.5°	532.7	532.7	539.1	563.5	688.3	1098.8	2396.9	7364.5	16006.7	16772.2
65°	495.3	495.3	497.9	509.5	542.9	699.9	1513.0	5931.3	17325.4	20008.0
67.5°	461.9	463.2	461.9	465.8	485.1	517.2	877.5	4096.6	18035.6	23360.9
70°	427.2	429.7	423.3	423.3	438.7	440.0	549.4	2246.4	17446.4	26170.9
72.5°	386.0	389.8	379.5	377.0	388.6	383.4	413.0	1078.2	14978.7	27009.7
75°	350.0	355.1	331.9	325.5	325.5	321.7	335.8	553.2	9721.6	22033.1
77.5°	317.8	328.1	290.8	270.2	265.0	253.5	274.0	338.4	4252.2	10344.3
80°	262.5	276.6	239.3	214.9	205.9	193.0	216.1	236.7	1264.7	2402.1
82.5°	195.6	202.0	169.8	153.1	145.4	136.4	162.1	164.7	411.7	850.4
85°	124.8	127.4	104.2	90.1	86.2	82.3	102.9	90.1	157.0	625.3
87.5°	43.7	50.2	39.9	36.0	38.6	32.2	47.6	27.0	43.7	441.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4523.7  
4526.3  
4555.9  
4586.8  
4598.3  
4608.6  
4634.4  
4691.0  
4777.2  
4869.8  
4983.0  
5118.1  
5218.5  
5330.4  
5517.0  
5769.1  
6148.7  
6382.9  
6519.2  
6923.2  
7521.5  
8415.7  
9640.5  
11210.2  
13236.6  
15736.5  
18698.2  
21946.9  
25799.0  
27987.5  
23566.8  
10129.5  
2300.5  
961.1  
908.3  
546.8  
0.0

OF REPORT)