

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: P850574

Luminaire Tested: **GLAN-SB8A-927-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850574
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-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23108 lumens
Efficiency: N/A
Efficacy: 101.8 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

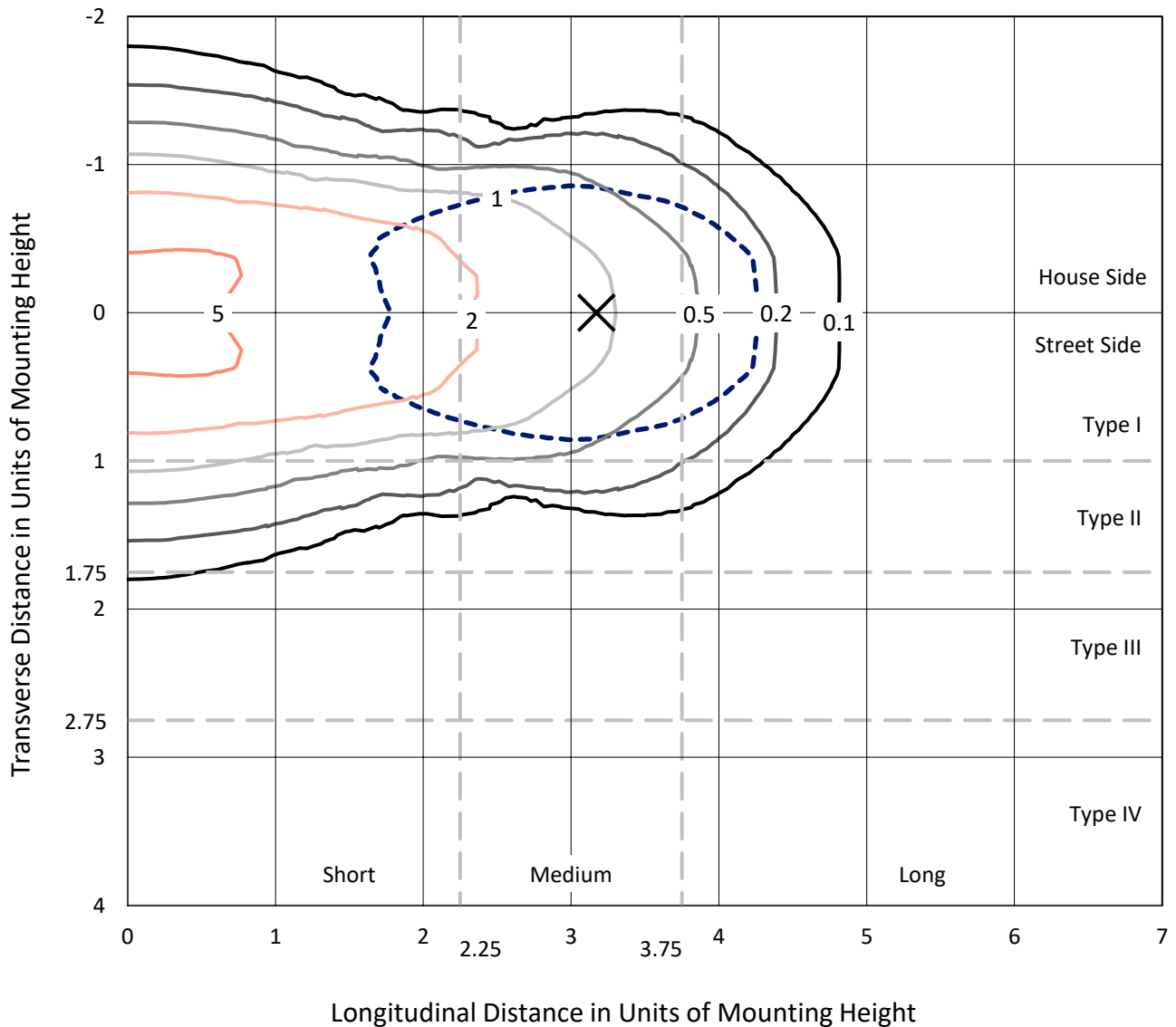
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850574
 CATALOG NUMBER: GLAN-SB8A-927-U-T1

Iso-Footcandle Lines of Horizontal Illumination

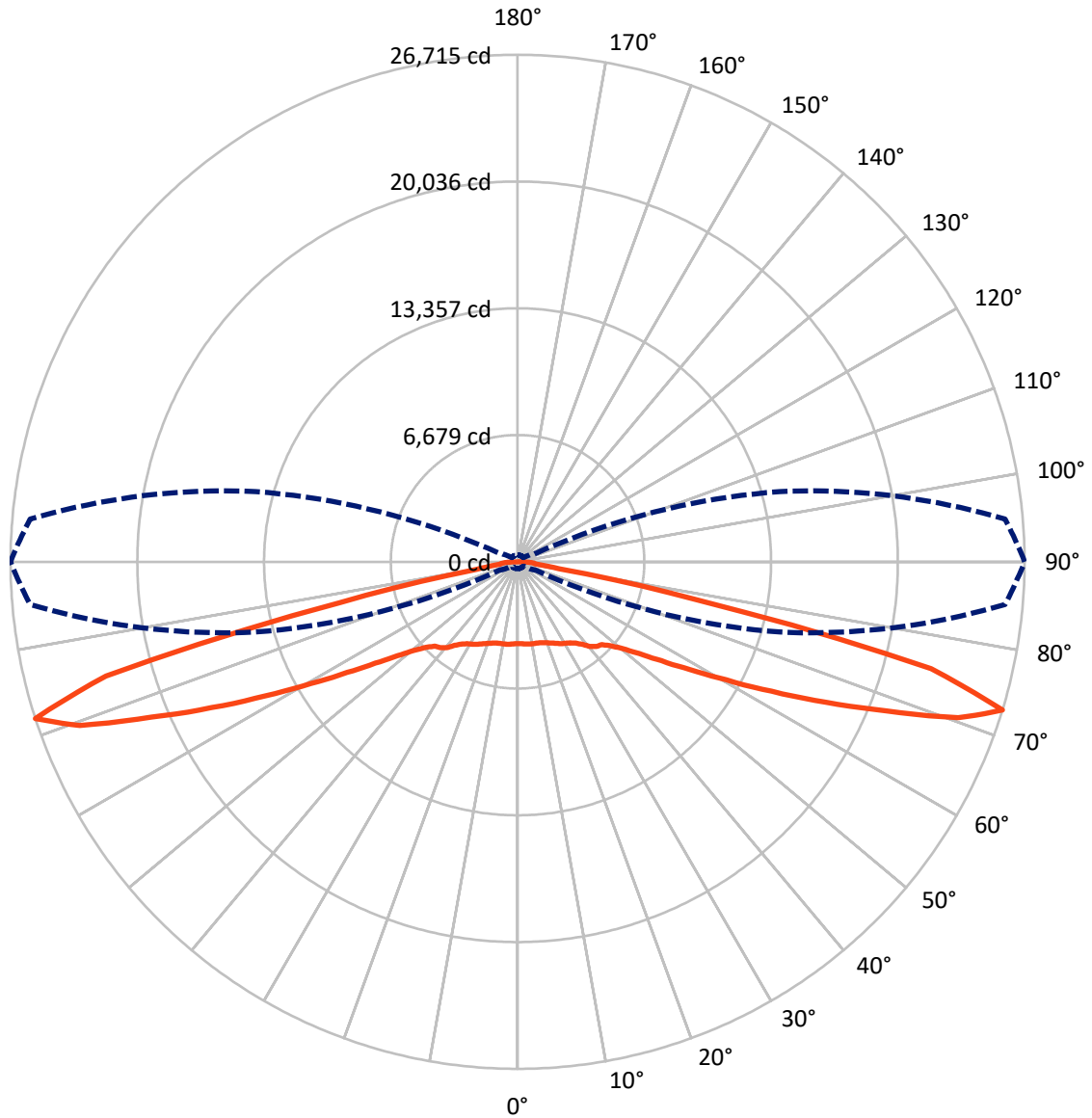
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type I - Short - N/A

REPORT NUMBER: P850574
CATALOG NUMBER: GLAN-SB8A-927-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P850574
 CATALOG NUMBER: GLAN-SB8A-927-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11554.0	0.0	11554.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11554.0	0.0	11554.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23108.0	0.0	23108.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.7	1.8
10°-20°	1280.2	5.5
20°-30°	2134.5	9.2
30°-40°	2935.7	12.7
40°-50°	3585.2	15.5
50°-60°	4146.7	17.9
60°-70°	4944.3	21.4
70°-80°	3450.8	14.9
80°-90°	211.9	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°	23108.0	100.0
0°-180°	23108.0	100.0

Coefficient of Utilization



REPORT NUMBER: P850574

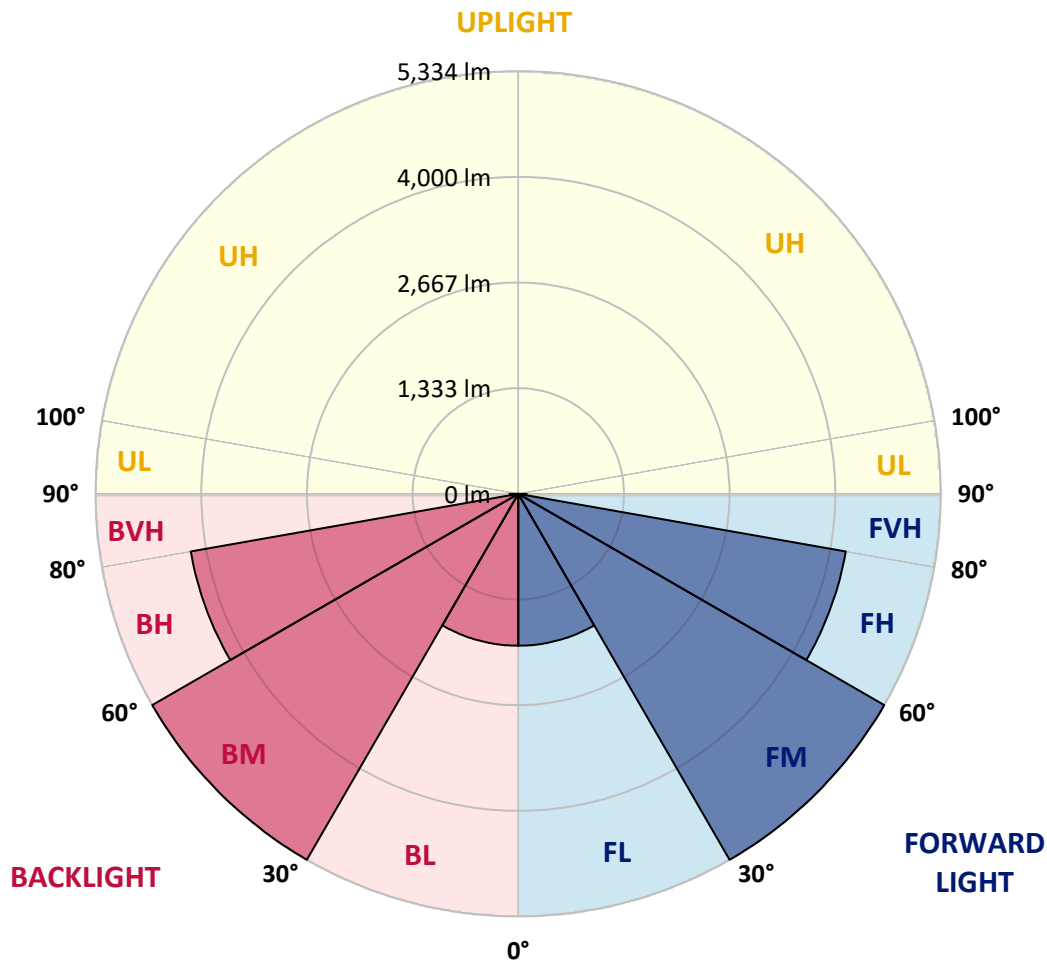
CATALOG NUMBER: GLAN-SB8A-927-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1916.7	8.3			
FM (30°-60°)	5333.8	23.1			
FH (60°-80°)	4197.5	18.2			G2/5000
FVH (80°-90°)	106.0	0.5			G2/225
BL (0°-30°)	1916.7	8.3	B3/2500		
BM (30°-60°)	5333.8	23.1	B4/8500		
BH (60°-80°)	4197.5	18.2	B4/5000		G4/5000
BVH (80°-90°)	106.0	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: P850574

CATALOG NUMBER: GLAN-SB8A-927-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4318.0	4318.0	4318.0	4318.0	4318.0	4318.0	4318.0	4318.0	4318.0	4318.0
2.5°	4321.7	4326.6	4326.6	4322.9	4331.5	4324.1	4324.1	4320.4	4324.1	4320.4
5°	4343.8	4349.9	4352.4	4351.1	4362.2	4356.0	4356.0	4351.1	4352.4	4348.7
7.5°	4385.5	4394.1	4399.0	4405.2	4421.1	4413.8	4408.9	4394.1	4388.0	4378.2
10°	4399.0	4408.9	4424.8	4456.7	4493.6	4494.8	4480.1	4443.2	4415.0	4392.9
12.5°	4357.3	4370.8	4403.9	4469.0	4551.3	4584.5	4561.1	4499.7	4444.5	4405.2
15°	4304.5	4319.2	4369.6	4467.8	4589.4	4666.8	4664.3	4583.2	4494.8	4433.4
17.5°	4222.2	4236.9	4309.4	4446.9	4618.9	4746.6	4781.0	4697.5	4573.4	4491.1
20°	4073.6	4087.1	4187.8	4380.6	4628.7	4831.3	4921.0	4847.3	4692.5	4580.8
22.5°	3880.8	3901.7	4019.5	4266.4	4605.3	4919.7	5080.6	5030.3	4831.3	4676.6
25°	3674.5	3696.6	3834.1	4126.4	4545.2	4983.6	5269.7	5237.8	4988.5	4795.7
27.5°	3496.4	3519.7	3669.5	3987.6	4451.8	5008.2	5456.4	5472.4	5178.9	4927.1
30°	3356.4	3378.5	3538.1	3875.9	4331.5	4983.6	5619.8	5730.3	5372.9	5041.3
32.5°	3202.9	3231.1	3399.4	3739.5	4189.0	4924.7	5762.2	6009.1	5597.6	5164.1
35°	3008.8	3034.6	3211.5	3552.9	4002.4	4830.1	5881.3	6318.5	5919.4	5350.8
37.5°	2773.0	2797.6	2973.2	3319.5	3816.9	4697.5	5972.2	6667.3	6302.6	5619.8
40°	2536.0	2559.3	2723.9	3059.2	3594.6	4528.0	6004.1	7008.7	6742.2	5989.4
42.5°	2318.6	2339.5	2490.6	2802.5	3345.3	4311.8	5962.4	7305.9	7136.4	6247.3
45°	2118.5	2136.9	2270.7	2561.8	3086.2	4049.0	5837.1	7625.2	7605.6	6431.5
47.5°	1890.0	1908.5	2047.2	2328.5	2827.1	3740.8	5624.7	7939.6	8257.7	6849.1
50°	1611.3	1627.2	1769.7	2059.5	2558.1	3412.9	5329.9	8186.5	9080.5	7481.5
52.5°	1280.9	1298.1	1436.9	1726.7	2238.8	3060.4	4941.8	8347.3	10031.1	8405.1
55°	953.0	965.3	1085.6	1346.0	1843.4	2658.8	4455.5	8392.8	11109.3	9667.5
57.5°	691.4	698.8	776.2	970.2	1397.6	2156.5	3864.8	8274.9	12392.7	11286.2
60°	560.0	562.5	585.8	671.8	971.4	1589.2	3151.3	7869.6	13785.3	13372.7
62.5°	508.4	508.4	514.6	537.9	657.0	1048.8	2287.9	7029.6	15278.7	16009.4
65°	472.8	472.8	475.3	486.3	518.3	668.1	1444.2	5661.5	16537.5	19098.1
67.5°	440.9	442.1	440.9	444.6	463.0	493.7	837.6	3910.2	17215.4	22298.5
70°	407.7	410.2	404.0	404.0	418.8	420.0	524.4	2144.2	16652.9	24980.6
72.5°	368.4	372.1	362.3	359.8	370.9	366.0	394.2	1029.1	14297.5	25781.3
75°	334.0	339.0	316.8	310.7	310.7	307.0	320.5	528.1	9279.5	21031.1
77.5°	303.3	313.2	277.5	257.9	253.0	241.9	261.6	323.0	4058.8	9873.9
80°	250.5	264.0	228.4	205.1	196.5	184.2	206.3	226.0	1207.2	2292.8
82.5°	186.7	192.8	162.1	146.1	138.8	130.2	154.7	157.2	393.0	811.8
85°	119.1	121.6	99.5	86.0	82.3	78.6	98.2	86.0	149.8	596.9
87.5°	41.8	47.9	38.1	34.4	36.8	30.7	45.4	25.8	41.8	421.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4318.0
4320.4
4348.7
4378.2
4389.2
4399.0
4423.6
4477.6
4559.9
4648.3
4756.4
4885.4
4981.1
5088.0
5266.1
5506.8
5869.1
6092.6
6222.7
6608.4
7179.4
8033.0
9202.1
10700.4
12634.6
15020.8
17847.9
20948.8
24625.7
26714.7
22495.0
9668.8
2195.8
917.4
867.0
521.9
0.0

OF REPORT)