

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: P848364

Luminaire Tested: **GLAN-SB4D-927-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848364
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-SB4D-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25982 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

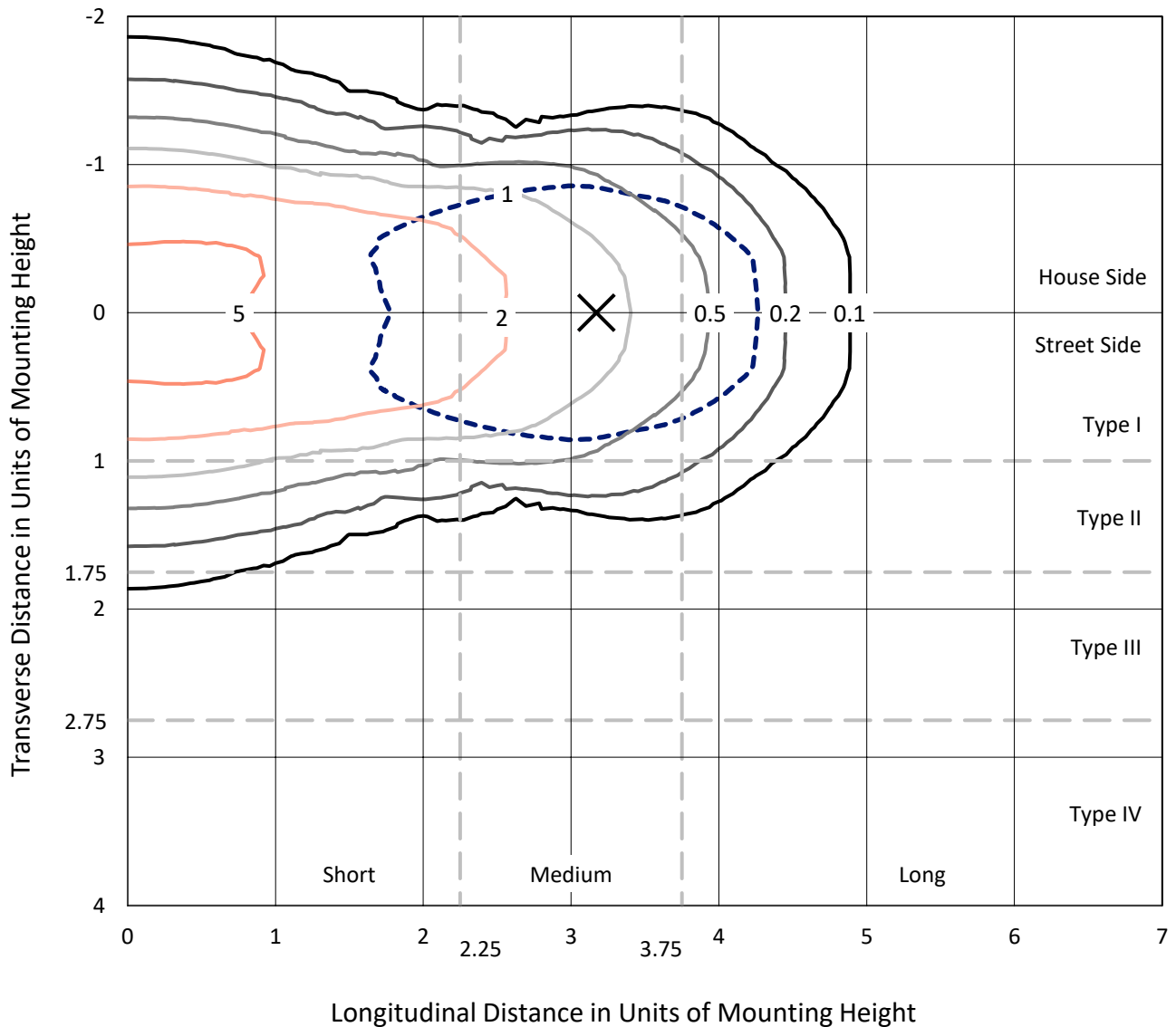
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848364
 CATALOG NUMBER: GLAN-SB4D-927-U-T1

Iso-Footcandle Lines of Horizontal Illumination

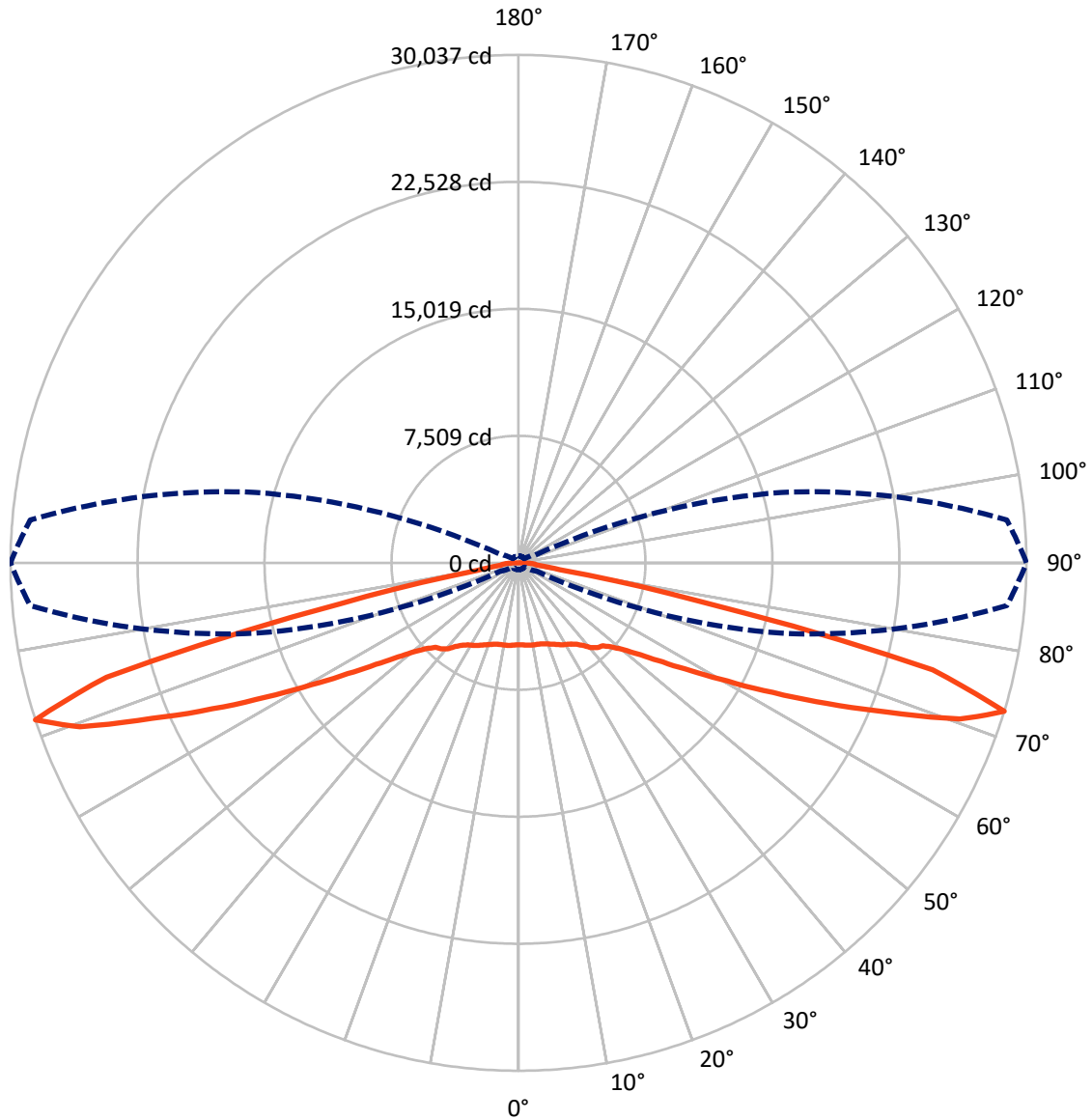
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type I - Short - N/A

REPORT NUMBER: P848364
CATALOG NUMBER: GLAN-SB4D-927-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P848364
 CATALOG NUMBER: GLAN-SB4D-927-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12991.0	0.0	12991.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12991.0	0.0	12991.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25982.0	0.0	25982.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	470.8	1.8
10°-20°	1439.4	5.5
20°-30°	2400.0	9.2
30°-40°	3300.8	12.7
40°-50°	4031.1	15.5
50°-60°	4662.5	17.9
60°-70°	5559.2	21.4
70°-80°	3880.0	14.9
80°-90°	238.3	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°	25982.0	100.0
0°-180°	25982.0	100.0

Coefficient of Utilization



REPORT NUMBER: P848364

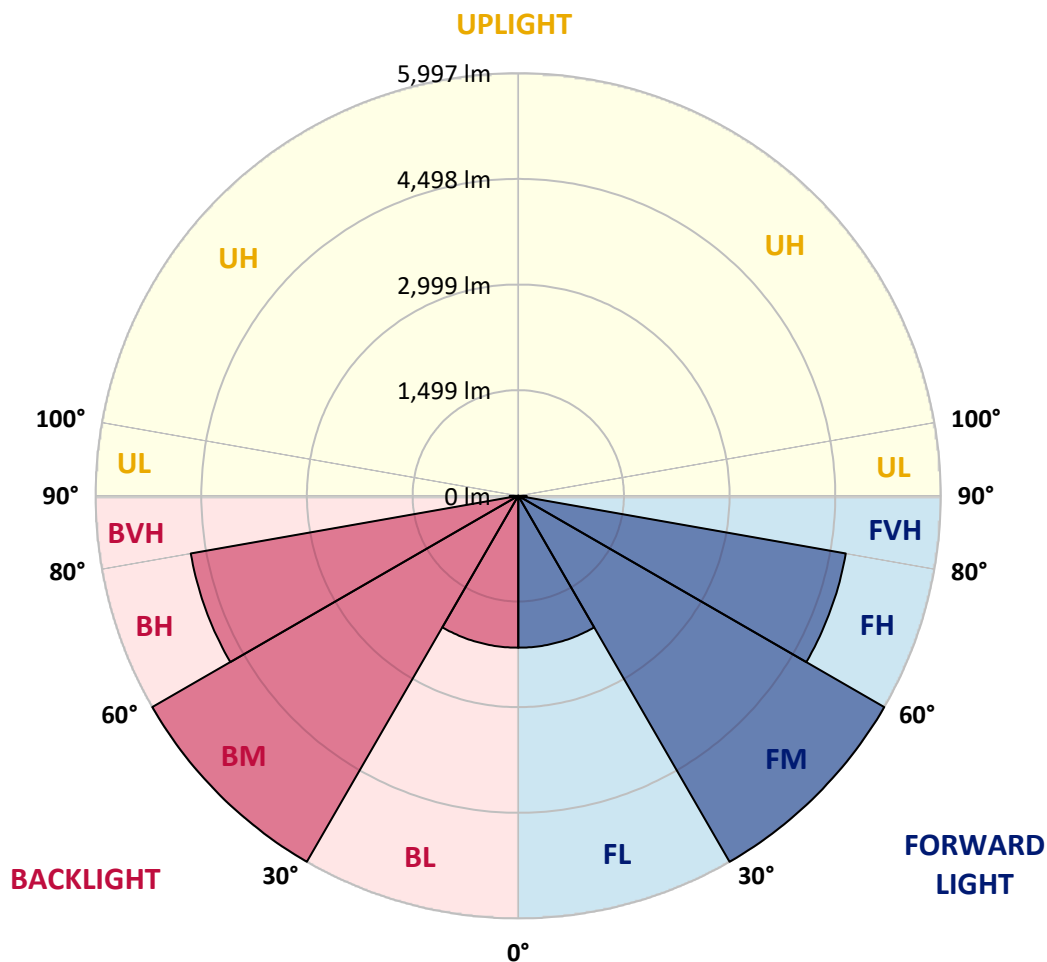
CATALOG NUMBER: GLAN-SB4D-927-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2155.1	8.3			
FM (30°-60°)	5997.2	23.1			
FH (60°-80°)	4719.6	18.2			G2/5000
FVH (80°-90°)	119.2	0.5			G2/225
BL (0°-30°)	2155.1	8.3	B3/2500		
BM (30°-60°)	5997.2	23.1	B4/8500		
BH (60°-80°)	4719.6	18.2	B4/5000		G4/5000
BVH (80°-90°)	119.2	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: P848364
 CATALOG NUMBER: GLAN-SB4D-927-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4855.0	4855.0	4855.0	4855.0	4855.0	4855.0	4855.0	4855.0	4855.0	4855.0
2.5°	4859.2	4864.7	4864.7	4860.5	4870.2	4861.9	4861.9	4857.8	4861.9	4857.8
5°	4884.0	4890.9	4893.7	4892.3	4904.7	4897.8	4897.8	4892.3	4893.7	4889.5
7.5°	4931.0	4940.6	4946.1	4953.1	4971.0	4962.7	4957.2	4940.6	4933.7	4922.7
10°	4946.1	4957.2	4975.1	5011.0	5052.5	5053.9	5037.3	4995.9	4964.1	4939.2
12.5°	4899.2	4914.4	4951.7	5024.9	5117.4	5154.7	5128.4	5059.4	4997.2	4953.1
15°	4839.8	4856.4	4913.0	5023.5	5160.2	5247.2	5244.4	5153.3	5053.9	4984.8
17.5°	4747.3	4763.9	4845.3	5000.0	5193.3	5336.9	5375.6	5281.7	5142.2	5049.7
20°	4580.2	4595.4	4708.6	4925.4	5204.4	5432.2	5533.0	5450.2	5276.2	5150.5
22.5°	4363.4	4386.9	4519.5	4797.0	5178.1	5531.6	5712.5	5655.9	5432.2	5258.2
25°	4131.5	4156.3	4311.0	4639.6	5110.5	5603.4	5925.2	5889.3	5608.9	5392.2
27.5°	3931.2	3957.5	4125.9	4483.6	5005.5	5631.0	6135.0	6153.0	5823.0	5539.9
30°	3773.8	3798.7	3978.2	4357.9	4870.2	5603.4	6318.7	6443.0	6041.1	5668.3
32.5°	3601.2	3633.0	3822.1	4204.6	4710.0	5537.1	6478.9	6756.4	6293.8	5806.4
35°	3383.0	3412.0	3610.9	3994.8	4500.1	5430.8	6612.8	7104.4	6655.6	6016.3
37.5°	3117.9	3145.5	3343.0	3732.4	4291.6	5281.7	6715.0	7496.5	7086.4	6318.7
40°	2851.4	2877.7	3062.7	3439.7	4041.7	5091.1	6750.9	7880.4	7580.8	6734.3
42.5°	2607.0	2630.5	2800.3	3151.1	3761.4	4848.1	6703.9	8214.6	8024.0	7024.3
45°	2381.9	2402.7	2553.2	2880.4	3470.0	4552.6	6563.1	8573.6	8551.5	7231.4
47.5°	2125.1	2145.8	2301.8	2618.1	3178.7	4206.0	6324.2	8927.1	9284.7	7700.9
50°	1811.7	1829.6	1989.8	2315.7	2876.3	3837.3	5992.8	9204.6	10209.9	8412.0
52.5°	1440.2	1459.5	1615.6	1941.5	2517.3	3441.0	5556.5	9385.5	11278.6	9450.4
55°	1071.5	1085.3	1220.7	1513.4	2072.6	2989.5	5009.7	9436.6	12491.0	10869.9
57.5°	777.4	785.7	872.7	1090.9	1571.4	2424.7	4345.5	9304.1	13934.0	12689.9
60°	629.7	632.4	658.7	755.3	1092.2	1786.8	3543.2	8848.4	15499.9	15035.9
62.5°	571.7	571.7	578.6	604.8	738.7	1179.2	2572.5	7903.9	17179.0	18000.5
65°	531.6	531.6	534.4	546.8	582.7	751.2	1623.9	6365.6	18594.3	21473.3
67.5°	495.7	497.1	495.7	499.9	520.6	555.1	941.7	4396.6	19356.5	25071.8
70°	458.4	461.2	454.3	454.3	470.9	472.2	589.6	2410.9	18724.1	28087.5
72.5°	414.3	418.4	407.3	404.6	417.0	411.5	443.2	1157.1	16075.7	28987.8
75°	375.6	381.1	356.3	349.4	349.4	345.2	360.4	593.8	10433.6	23646.8
77.5°	341.1	352.1	312.1	290.0	284.5	272.0	294.1	363.2	4563.7	11101.9
80°	281.7	296.9	256.8	230.6	220.9	207.1	232.0	254.1	1357.4	2578.0
82.5°	209.9	216.8	182.3	164.3	156.0	146.4	174.0	176.7	441.9	912.7
85°	133.9	136.7	111.8	96.7	92.5	88.4	110.5	96.7	168.5	671.1
87.5°	46.9	53.9	42.8	38.7	41.4	34.5	51.1	29.0	46.9	473.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4855.0
4857.8
4889.5
4922.7
4935.1
4946.1
4973.8
5034.5
5127.0
5226.5
5348.0
5493.0
5600.7
5720.8
5921.0
6191.7
6599.0
6850.3
6996.7
7430.3
8072.4
9032.0
10346.6
12031.2
14206.0
16889.0
20067.7
23554.3
27688.5
30037.3
25292.7
10871.3
2468.9
1031.5
974.9
586.9
0.0

OF REPORT)