

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: P848314

Luminaire Tested: **GLAN-SB4D-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848314
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-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32168 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

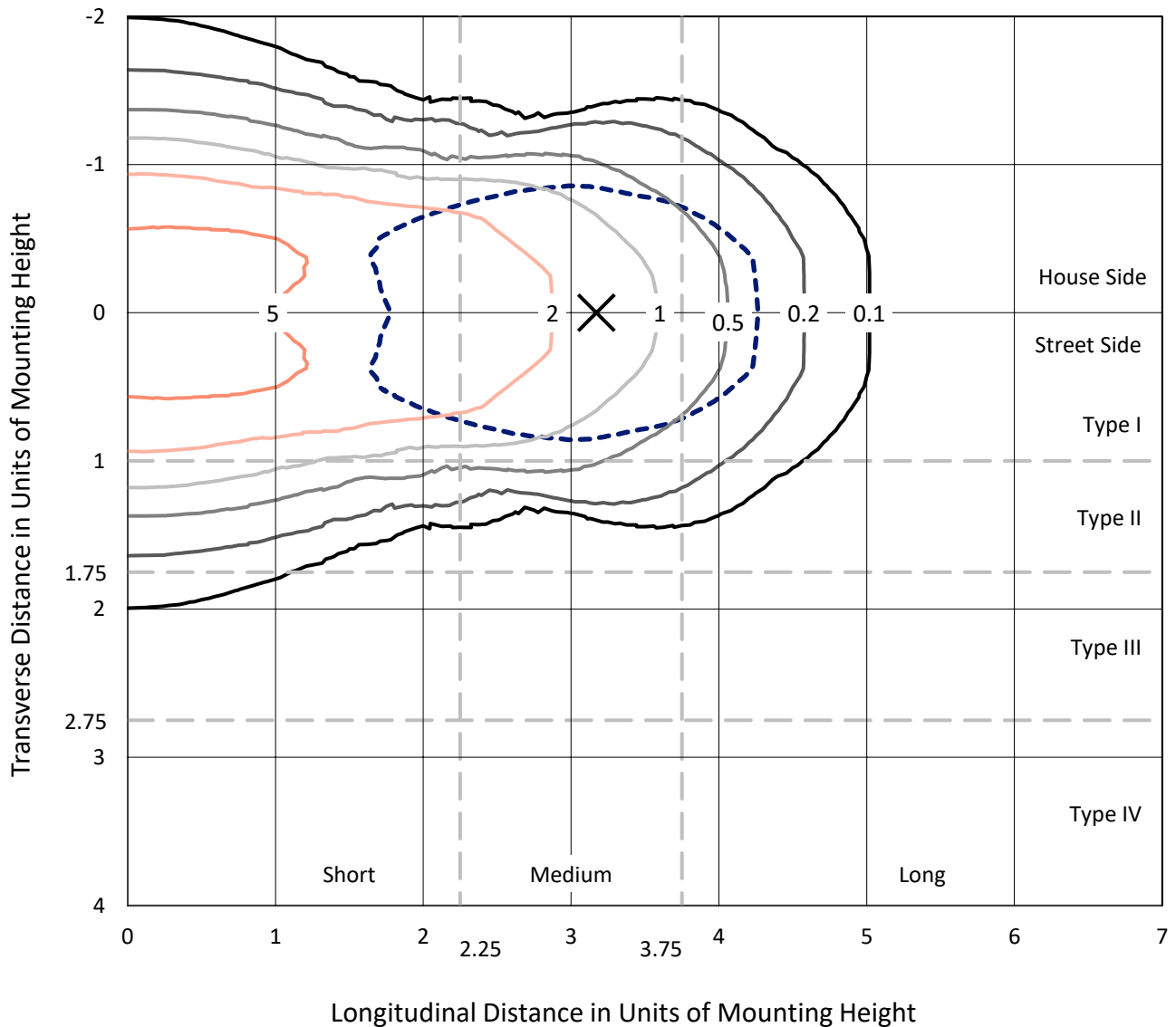
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848314
 CATALOG NUMBER: GLAN-SB4D-827-U-T1

Iso-Footcandle Lines of Horizontal Illumination

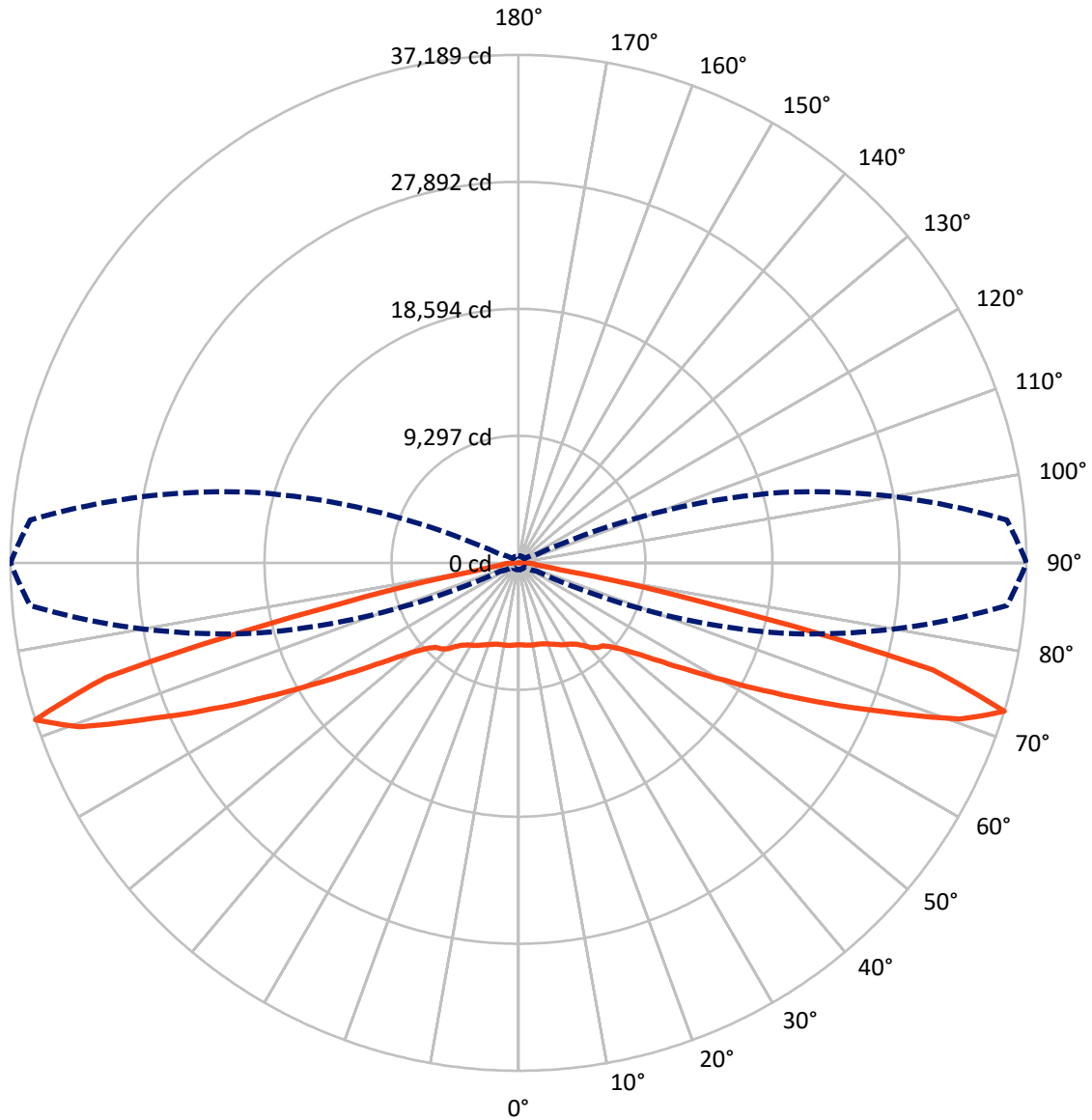
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type I - Short - N/A

REPORT NUMBER: P848314
CATALOG NUMBER: GLAN-SB4D-827-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P848314
 CATALOG NUMBER: GLAN-SB4D-827-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16084.0	0.0	16084.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16084.0	0.0	16084.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32168.0	0.0	32168.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	582.8	1.8
10°-20°	1782.1	5.5
20°-30°	2971.4	9.2
30°-40°	4086.7	12.7
40°-50°	4990.9	15.5
50°-60°	5772.5	17.9
60°-70°	6882.8	21.4
70°-80°	4803.7	14.9
80°-90°	295.1	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°	32168.0	100.0
0°-180°	32168.0	100.0

Coefficient of Utilization



REPORT NUMBER: P848314

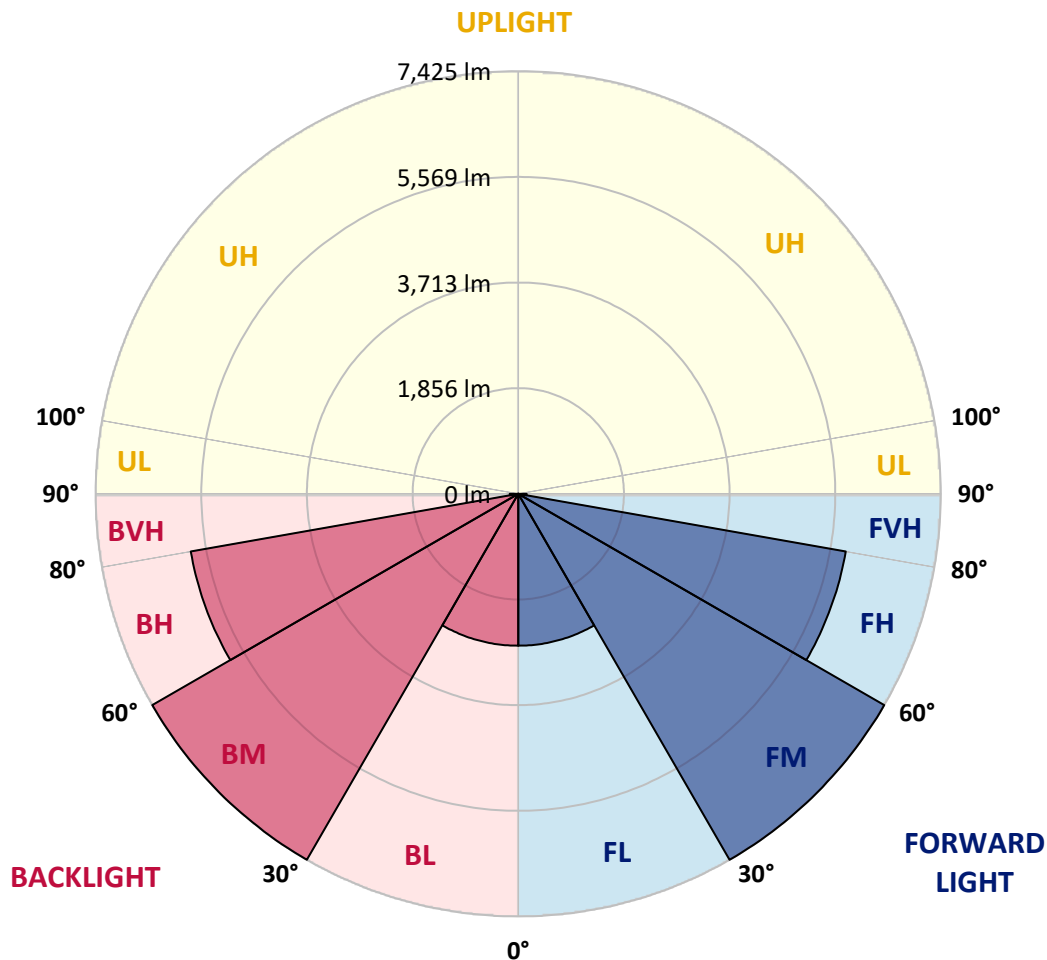
CATALOG NUMBER: GLAN-SB4D-827-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2668.2	8.3			
FM (30°-60°)	7425.0	23.1			
FH (60°-80°)	5843.3	18.2			G3/7500
FVH (80°-90°)	147.5	0.5			G2/225
BL (0°-30°)	2668.2	8.3	B4/5000		
BM (30°-60°)	7425.0	23.1	B4/8500		
BH (60°-80°)	5843.3	18.2	B5		G5
BVH (80°-90°)	147.5	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Short



REPORT NUMBER: P848314
 CATALOG NUMBER: GLAN-SB4D-827-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6010.9	6010.9	6010.9	6010.9	6010.9	6010.9	6010.9	6010.9	6010.9	6010.9
2.5°	6016.1	6022.9	6022.9	6017.8	6029.7	6019.5	6019.5	6014.3	6019.5	6014.3
5°	6046.8	6055.4	6058.8	6057.1	6072.5	6063.9	6063.9	6057.1	6058.8	6053.7
7.5°	6105.0	6116.9	6123.8	6132.3	6154.5	6144.3	6137.4	6116.9	6108.4	6094.7
10°	6123.8	6137.4	6159.7	6204.1	6255.4	6257.1	6236.6	6185.3	6146.0	6115.2
12.5°	6065.6	6084.4	6130.6	6221.2	6335.8	6381.9	6349.4	6264.0	6187.0	6132.3
15°	5992.1	6012.6	6082.7	6219.5	6388.8	6496.5	6493.0	6380.2	6257.1	6171.6
17.5°	5877.6	5898.1	5999.0	6190.4	6429.8	6607.6	6655.4	6539.2	6366.5	6252.0
20°	5670.7	5689.5	5829.7	6098.1	6443.5	6725.5	6850.3	6747.8	6532.4	6376.8
22.5°	5402.3	5431.4	5595.5	5939.1	6411.0	6848.6	7072.6	7002.5	6725.5	6510.1
25°	5115.1	5145.9	5337.4	5744.2	6327.2	6937.5	7335.9	7291.4	6944.4	6676.0
27.5°	4867.2	4899.7	5108.3	5551.0	6197.3	6971.7	7595.7	7617.9	7209.4	6858.9
30°	4672.3	4703.1	4925.3	5395.5	6029.7	6937.5	7823.1	7977.0	7479.5	7017.9
32.5°	4458.6	4497.9	4732.2	5205.7	5831.4	6855.5	8021.4	8365.0	7792.3	7188.8
35°	4188.5	4224.4	4470.6	4945.9	5571.6	6723.8	8187.2	8795.9	8240.2	7448.7
37.5°	3860.3	3894.5	4138.9	4621.0	5313.4	6539.2	8313.8	9281.4	8773.6	7823.1
40°	3530.3	3562.8	3791.9	4258.6	5004.0	6303.3	8358.2	9756.6	9385.7	8337.7
42.5°	3227.7	3256.8	3467.1	3901.3	4656.9	6002.4	8300.1	10170.4	9934.4	8696.7
45°	2949.0	2974.7	3161.0	3566.2	4296.2	5636.5	8125.7	10614.9	10587.5	8953.1
47.5°	2631.1	2656.7	2849.9	3241.4	3935.5	5207.4	7829.9	11052.5	11495.3	9534.4
50°	2243.0	2265.2	2463.5	2867.0	3561.1	4751.0	7419.6	11396.1	12640.7	10414.8
52.5°	1783.1	1807.0	2000.2	2403.7	3116.6	4260.3	6879.4	11620.1	13964.0	11700.5
55°	1326.6	1343.7	1511.3	1873.7	2566.1	3701.3	6202.4	11683.4	15465.0	13457.9
57.5°	962.5	972.8	1080.5	1350.6	1945.5	3002.0	5380.1	11519.2	17251.5	15711.2
60°	779.6	783.0	815.5	935.1	1352.3	2212.2	4386.8	10955.1	19190.2	18615.8
62.5°	707.8	707.8	716.3	748.8	914.6	1460.0	3185.0	9785.7	21269.1	22286.3
65°	658.2	658.2	661.6	677.0	721.4	930.0	2010.5	7881.2	23021.4	26585.9
67.5°	613.7	615.5	613.7	618.9	644.5	687.3	1165.9	5443.3	23965.1	31041.1
70°	567.6	571.0	562.5	562.5	583.0	584.7	730.0	2985.0	23182.1	34774.8
72.5°	512.9	518.0	504.3	500.9	516.3	509.5	548.8	1432.6	19903.1	35889.5
75°	465.0	471.8	441.1	432.5	432.5	427.4	446.2	735.1	12917.7	29276.8
77.5°	422.3	435.9	386.4	359.0	352.2	336.8	364.1	449.6	5650.2	13745.1
80°	348.8	367.6	318.0	285.5	273.5	256.4	287.2	314.6	1680.5	3191.8
82.5°	259.9	268.4	225.7	203.4	193.2	181.2	215.4	218.8	547.1	1130.0
85°	165.8	169.2	138.5	119.7	114.5	109.4	136.8	119.7	208.6	830.9
87.5°	58.1	66.7	53.0	47.9	51.3	42.7	63.3	35.9	58.1	586.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6010.9
6014.3
6053.7
6094.7
6110.1
6123.8
6158.0
6233.2
6347.7
6470.8
6621.3
6800.8
6934.1
7082.8
7330.7
7665.8
8170.1
8481.3
8662.5
9199.3
9994.3
11182.5
12810.0
14895.7
17588.3
20910.0
24845.5
29162.2
34280.8
37188.8
31314.6
13459.6
3056.8
1277.1
1207.0
726.6
0.0

OF REPORT)