

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: P850064

Luminaire Tested: **GLAN-SB7B-927-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850064
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-SB7B-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25512 lumens
Efficiency: N/A
Efficacy: 99.4 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

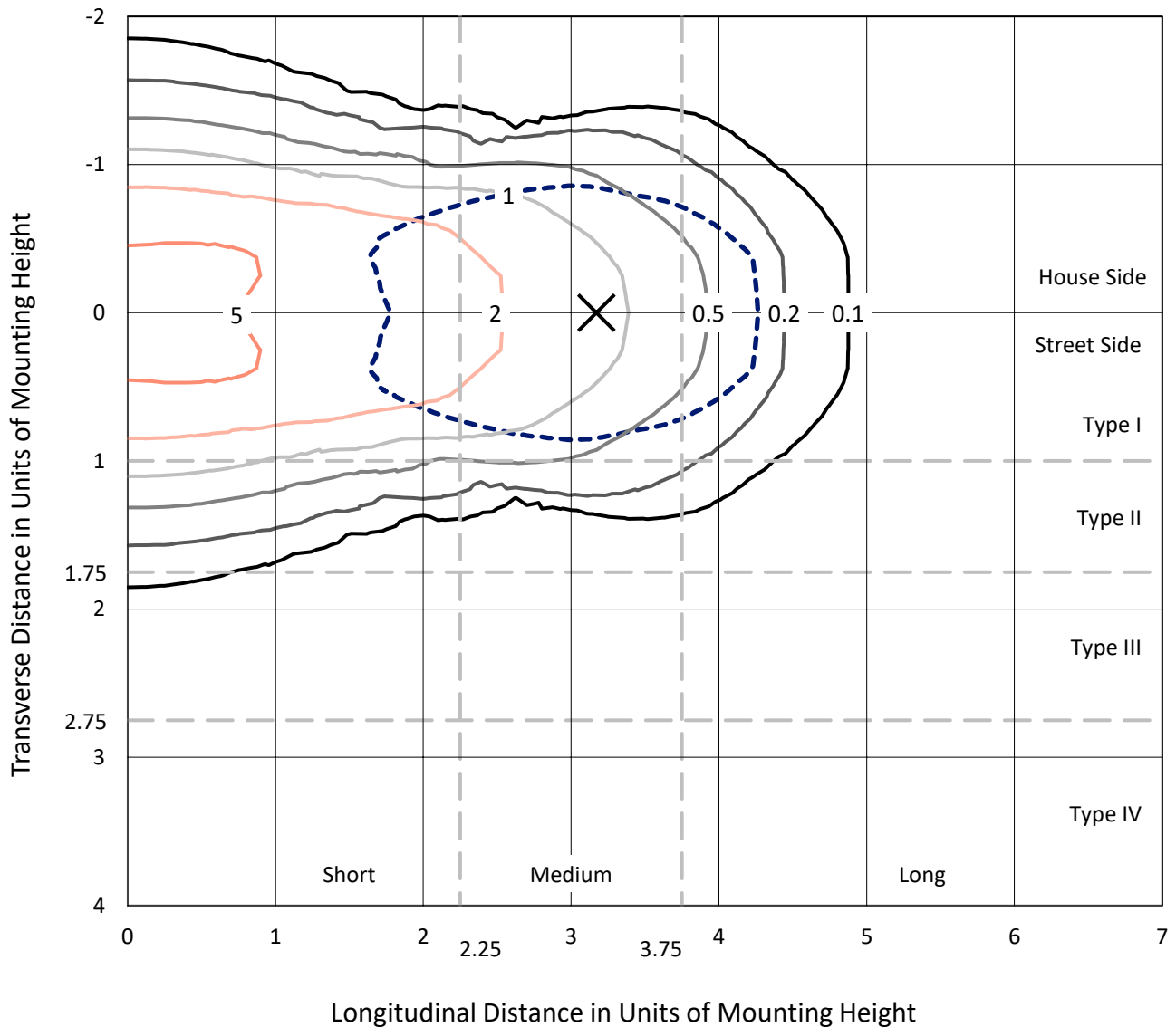
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850064
 CATALOG NUMBER: GLAN-SB7B-927-U-T1

Iso-Footcandle Lines of Horizontal Illumination

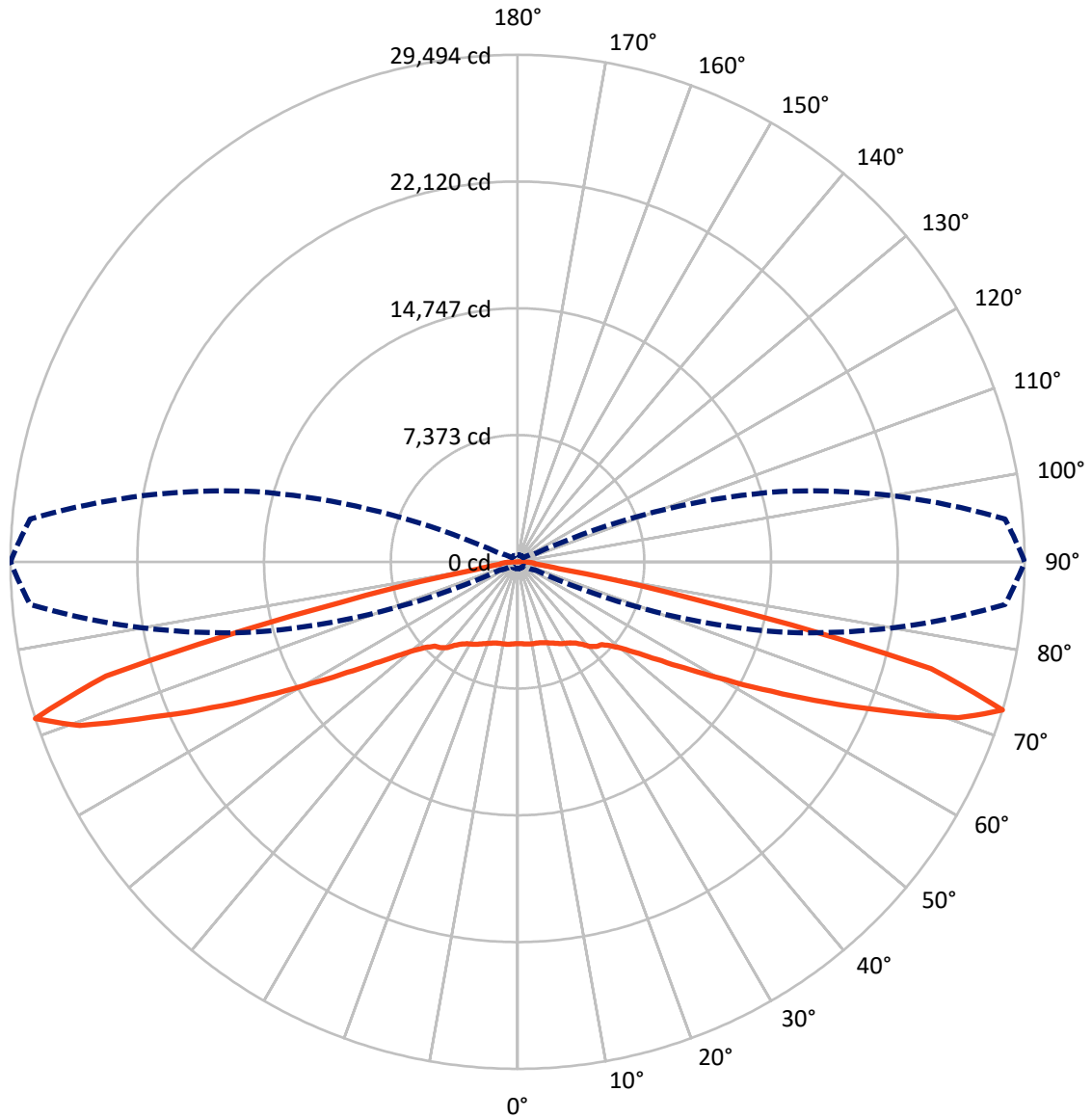
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type I - Short - N/A

REPORT NUMBER: P850064
CATALOG NUMBER: GLAN-SB7B-927-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P850064
 CATALOG NUMBER: GLAN-SB7B-927-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12756.0	0.0	12756.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12756.0	0.0	12756.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25512.0	0.0	25512.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.2	1.8
10°-20°	1413.3	5.5
20°-30°	2356.6	9.2
30°-40°	3241.1	12.7
40°-50°	3958.2	15.5
50°-60°	4578.1	17.9
60°-70°	5458.6	21.4
70°-80°	3809.8	14.9
80°-90°	234.0	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°	25512.0	100.0
0°-180°	25512.0	100.0

Coefficient of Utilization

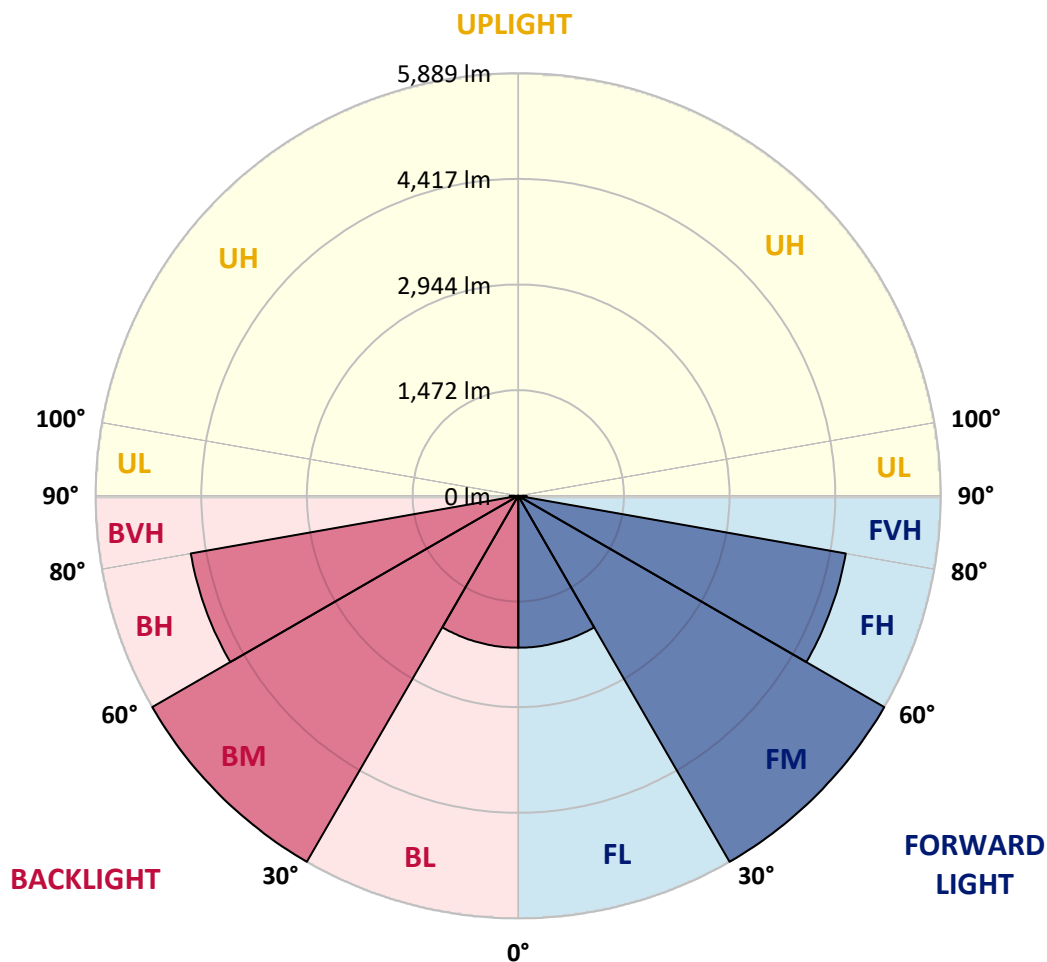


REPORT NUMBER: P850064
 CATALOG NUMBER: GLAN-SB7B-927-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2116.1	8.3			
FM (30°-60°)	5888.7	23.1			
FH (60°-80°)	4634.2	18.2			G2/5000
FVH (80°-90°)	117.0	0.5			G2/225
BL (0°-30°)	2116.1	8.3	B3/2500		
BM (30°-60°)	5888.7	23.1	B4/8500		
BH (60°-80°)	4634.2	18.2	B4/5000		G4/5000
BVH (80°-90°)	117.0	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: P850064
 CATALOG NUMBER: GLAN-SB7B-927-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4767.2	4767.2	4767.2	4767.2	4767.2	4767.2	4767.2	4767.2	4767.2	4767.2
2.5°	4771.3	4776.7	4776.7	4772.6	4782.1	4774.0	4774.0	4769.9	4774.0	4769.9
5°	4795.7	4802.4	4805.2	4803.8	4816.0	4809.2	4809.2	4803.8	4805.2	4801.1
7.5°	4841.8	4851.2	4856.7	4863.5	4881.1	4872.9	4867.5	4851.2	4844.5	4833.6
10°	4856.7	4867.5	4885.1	4920.4	4961.1	4962.4	4946.2	4905.5	4874.3	4849.9
12.5°	4810.6	4825.5	4862.1	4934.0	5024.8	5061.4	5035.6	4967.9	4906.8	4863.5
15°	4752.3	4768.5	4824.1	4932.6	5066.8	5152.2	5149.5	5060.1	4962.4	4894.6
17.5°	4661.4	4677.7	4757.7	4909.6	5099.4	5240.4	5278.3	5186.1	5049.2	4958.4
20°	4497.4	4512.3	4623.5	4836.3	5110.2	5333.9	5432.9	5351.6	5180.7	5057.3
22.5°	4284.5	4307.6	4437.7	4710.2	5084.5	5431.6	5609.2	5553.6	5333.9	5163.1
25°	4056.7	4081.1	4233.0	4555.7	5018.0	5502.1	5818.0	5782.7	5507.5	5294.6
27.5°	3860.1	3885.9	4051.3	4402.5	4915.0	5529.2	6024.1	6041.7	5717.6	5439.7
30°	3705.6	3730.0	3906.2	4279.1	4782.1	5502.1	6204.4	6326.4	5931.9	5565.8
32.5°	3536.1	3567.3	3753.0	4128.6	4624.8	5437.0	6361.7	6634.2	6180.0	5701.4
35°	3321.8	3350.3	3545.6	3922.5	4418.7	5332.6	6493.2	6975.9	6535.2	5907.5
37.5°	3061.5	3088.6	3282.5	3664.9	4214.0	5186.1	6593.5	7360.9	6958.2	6204.4
40°	2799.8	2825.6	3007.3	3377.4	3968.6	4999.0	6628.8	7737.9	7443.6	6612.5
42.5°	2559.9	2582.9	2749.7	3094.1	3693.3	4760.4	6582.7	8066.0	7878.9	6897.2
45°	2338.9	2359.2	2507.0	2828.3	3407.3	4470.3	6444.4	8418.5	8396.8	7100.6
47.5°	2086.7	2107.0	2260.2	2570.7	3121.2	4129.9	6209.8	8765.6	9116.8	7561.6
50°	1778.9	1796.5	1953.8	2273.8	2824.2	3767.9	5884.4	9038.1	10025.2	8259.9
52.5°	1414.2	1433.1	1586.4	1906.3	2471.7	3378.8	5456.0	9215.7	11074.6	9279.5
55°	1052.1	1065.7	1198.6	1486.0	2035.1	2935.4	4919.0	9265.9	12265.1	10673.3
57.5°	763.3	771.5	856.9	1071.1	1543.0	2380.9	4266.9	9135.8	13681.9	12460.3
60°	618.3	621.0	646.7	741.7	1072.5	1754.5	3479.1	8688.3	15219.5	14763.9
62.5°	561.3	561.3	568.1	593.9	725.4	1157.9	2526.0	7760.9	16868.2	17674.9
65°	522.0	522.0	524.7	536.9	572.2	737.6	1594.5	6250.5	18257.9	21084.9
67.5°	486.8	488.1	486.8	490.8	511.2	545.1	924.7	4317.0	19006.4	24618.3
70°	450.1	452.9	446.1	446.1	462.3	463.7	579.0	2367.3	18385.4	27579.4
72.5°	406.8	410.8	400.0	397.3	409.5	404.0	435.2	1136.2	15784.9	28463.5
75°	368.8	374.2	349.8	343.0	343.0	339.0	353.9	583.0	10244.8	23219.0
77.5°	334.9	345.7	306.4	284.7	279.3	267.1	288.8	356.6	4481.1	10901.1
80°	276.6	291.5	252.2	226.4	216.9	203.4	227.8	249.5	1332.8	2531.4
82.5°	206.1	212.9	179.0	161.3	153.2	143.7	170.8	173.5	433.9	896.2
85°	131.5	134.2	109.8	94.9	90.8	86.8	108.5	94.9	165.4	658.9
87.5°	46.1	52.9	42.0	38.0	40.7	33.9	50.2	28.5	46.1	465.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4767.2
4769.9
4801.1
4833.6
4845.8
4856.7
4883.8
4943.4
5034.3
5131.9
5251.2
5393.6
5499.3
5617.3
5813.9
6079.7
6479.6
6726.4
6870.1
7295.9
7926.3
8868.6
10159.4
11813.6
13949.0
16583.5
19704.6
23128.2
27187.6
29493.9
24835.2
10674.6
2424.3
1012.8
957.2
576.2
0.0

OF REPORT)