

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: P850124

Luminaire Tested: **GLAN-SB7C-727-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850124
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-SB7C-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46856 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

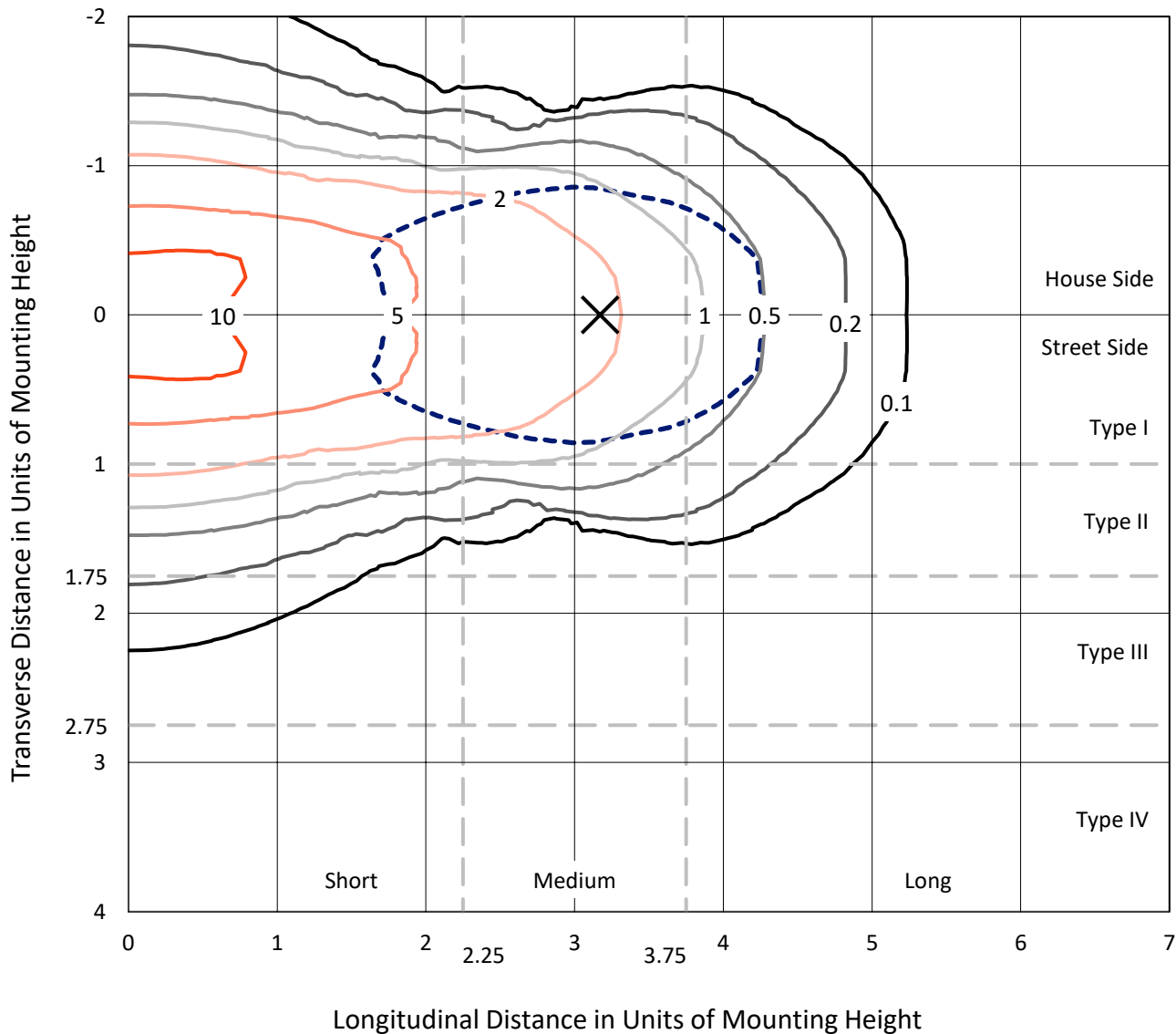
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850124
 CATALOG NUMBER: GLAN-SB7C-727-U-T1

Iso-Footcandle Lines of Horizontal Illumination

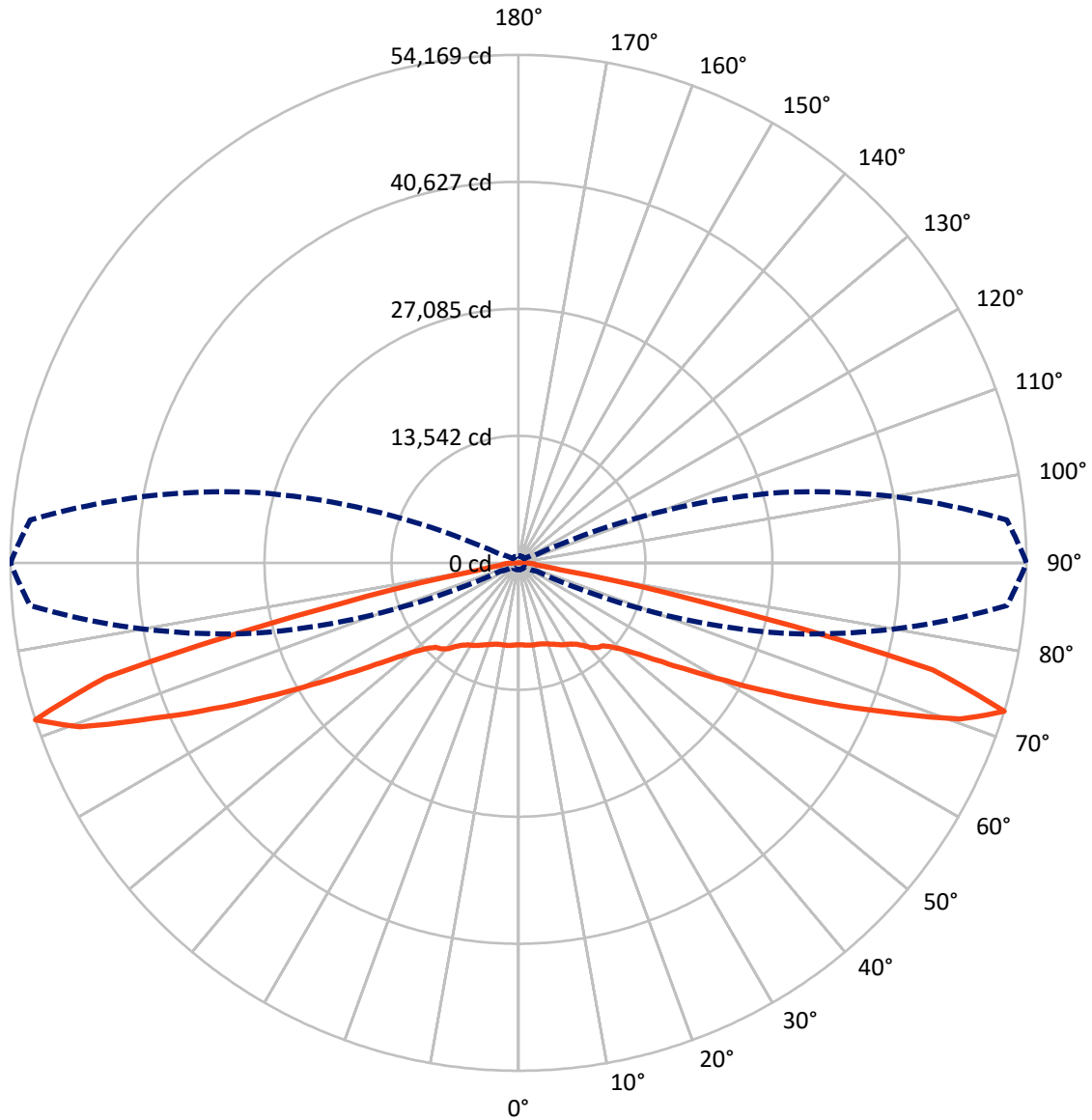
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 fc
 Type I - Short - N/A

REPORT NUMBER: P850124
CATALOG NUMBER: GLAN-SB7C-727-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P850124
 CATALOG NUMBER: GLAN-SB7C-727-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23428.0	0.0	23428.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23428.0	0.0	23428.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	46856.0	0.0	46856.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	849.0	1.8
10°-20°	2595.8	5.5
20°-30°	4328.2	9.2
30°-40°	5952.6	12.7
40°-50°	7269.8	15.5
50°-60°	8408.3	17.9
60°-70°	10025.5	21.4
70°-80°	6997.1	14.9
80°-90°	429.8	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°	46856.0	100.0
0°-180°	46856.0	100.0

Coefficient of Utilization

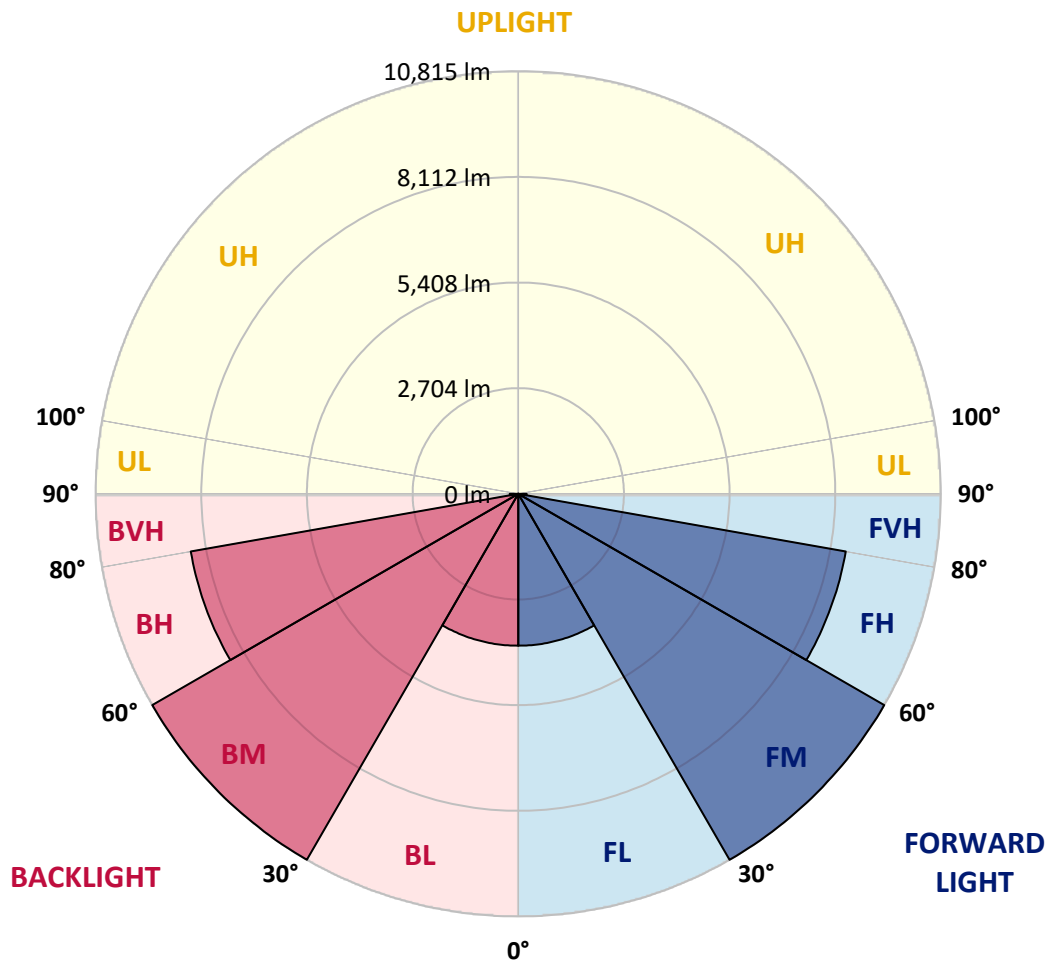


REPORT NUMBER: P850124
 CATALOG NUMBER: GLAN-SB7C-727-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3886.5	8.3			
FM (30°-60°)	10815.3	23.1			
FH (60°-80°)	8511.3	18.2			G4/12000
FVH (80°-90°)	214.9	0.5			G2/225
BL (0°-30°)	3886.5	8.3	B4/5000		
BM (30°-60°)	10815.3	23.1	B5		
BH (60°-80°)	8511.3	18.2	B5		G5
BVH (80°-90°)	214.9	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: P850124
 CATALOG NUMBER: GLAN-SB7C-727-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8755.5	8755.5	8755.5	8755.5	8755.5	8755.5	8755.5	8755.5	8755.5	8755.5
2.5°	8763.0	8773.0	8773.0	8765.5	8782.9	8768.0	8768.0	8760.5	8768.0	8760.5
5°	8807.8	8820.3	8825.3	8822.8	8845.2	8832.7	8832.7	8822.8	8825.3	8817.8
7.5°	8892.5	8909.9	8919.9	8932.3	8964.7	8949.8	8939.8	8909.9	8897.5	8877.6
10°	8919.9	8939.8	8972.2	9036.9	9111.6	9114.1	9084.2	9009.5	8952.3	8907.4
12.5°	8835.2	8862.6	8929.9	9061.8	9228.7	9295.9	9248.6	9124.1	9012.0	8932.3
15°	8728.1	8758.0	8860.1	9059.3	9305.9	9462.8	9457.8	9293.4	9114.1	8989.6
17.5°	8561.3	8591.2	8738.1	9017.0	9365.6	9624.6	9694.3	9525.0	9273.5	9106.7
20°	8260.0	8287.4	8491.6	8882.5	9385.6	9796.4	9978.2	9828.8	9515.0	9288.4
22.5°	7869.0	7911.4	8150.4	8650.9	9338.2	9975.7	10302.0	10199.9	9796.4	9482.7
25°	7450.7	7495.5	7774.4	8367.1	9216.2	10105.2	10685.4	10620.7	10115.2	9724.2
27.5°	7089.6	7136.9	7440.7	8085.7	9027.0	10155.0	11064.0	11096.3	10501.2	9990.7
30°	6805.7	6850.5	7174.3	7859.1	8782.9	10105.2	11395.1	11619.3	10894.6	10222.3
32.5°	6494.4	6551.7	6892.9	7582.7	8494.1	9985.7	11684.0	12184.5	11350.3	10471.3
35°	6101.0	6153.3	6511.9	7204.1	8115.6	9794.0	11925.6	12812.1	12002.8	10849.8
37.5°	5622.9	5672.7	6028.8	6731.0	7739.5	9525.0	12109.8	13519.3	12779.7	11395.1
40°	5142.3	5189.6	5523.3	6203.1	7288.8	9181.4	12174.6	14211.6	13671.2	12144.7
42.5°	4701.5	4743.8	5050.1	5682.6	6783.3	8743.1	12089.9	14814.2	14470.5	12667.6
45°	4295.6	4332.9	4604.4	5194.6	6257.9	8210.2	11835.9	15461.6	15421.8	13041.2
47.5°	3832.4	3869.8	4151.2	4721.4	5732.4	7585.1	11405.1	16099.1	16744.1	13887.8
50°	3267.1	3299.5	3588.4	4176.1	5187.1	6920.3	10807.5	16599.7	18412.5	15170.3
52.5°	2597.3	2632.1	2913.5	3501.2	4539.6	6205.6	10020.6	16925.9	20339.9	17042.9
55°	1932.4	1957.3	2201.3	2729.3	3737.8	5391.3	9034.4	17018.0	22526.3	19602.8
57.5°	1402.0	1416.9	1573.8	1967.3	2833.8	4372.8	7836.7	16779.0	25128.6	22884.9
60°	1135.5	1140.5	1187.8	1362.1	1969.7	3222.3	6389.8	15957.2	27952.5	27115.8
62.5°	1030.9	1030.9	1043.4	1090.7	1332.3	2126.6	4639.2	14253.9	30980.6	32462.2
65°	958.7	958.7	963.7	986.1	1050.9	1354.7	2928.5	11479.8	33533.0	38725.1
67.5°	894.0	896.5	894.0	901.5	938.8	1001.1	1698.3	7928.8	34907.6	45214.5
70°	826.7	831.7	819.3	819.3	849.2	851.6	1063.3	4347.9	33767.1	50653.1
72.5°	747.1	754.5	734.6	729.6	752.0	742.1	799.4	2086.8	28990.9	52276.7
75°	677.3	687.3	642.5	630.0	630.0	622.5	649.9	1070.8	18815.9	42644.7
77.5°	615.1	635.0	562.8	522.9	513.0	490.6	530.4	654.9	8230.1	20021.2
80°	508.0	535.4	463.2	415.9	398.4	373.5	418.4	458.2	2447.9	4649.2
82.5°	378.5	391.0	328.7	296.3	281.4	264.0	313.8	318.7	796.9	1646.0
85°	241.5	246.5	201.7	174.3	166.8	159.4	199.2	174.3	303.8	1210.2
87.5°	84.7	97.1	77.2	69.7	74.7	62.3	92.1	52.3	84.7	854.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8755.5
8760.5
8817.8
8877.6
8900.0
8919.9
8969.7
9079.3
9246.1
9425.4
9644.5
9906.0
10100.2
10316.9
10678.0
11166.1
11900.7
12353.9
12617.8
13399.8
14557.7
16288.4
18659.1
21697.1
25619.2
30457.6
36190.1
42477.8
49933.5
54169.3
45613.0
19605.3
4452.5
1860.2
1758.1
1058.3
0.0

OF REPORT)