

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: P849894

Luminaire Tested: **GLAN-SB7A-927-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849894
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-SB7A-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 20323 lumens
Efficiency: N/A
Efficacy: 102.1 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

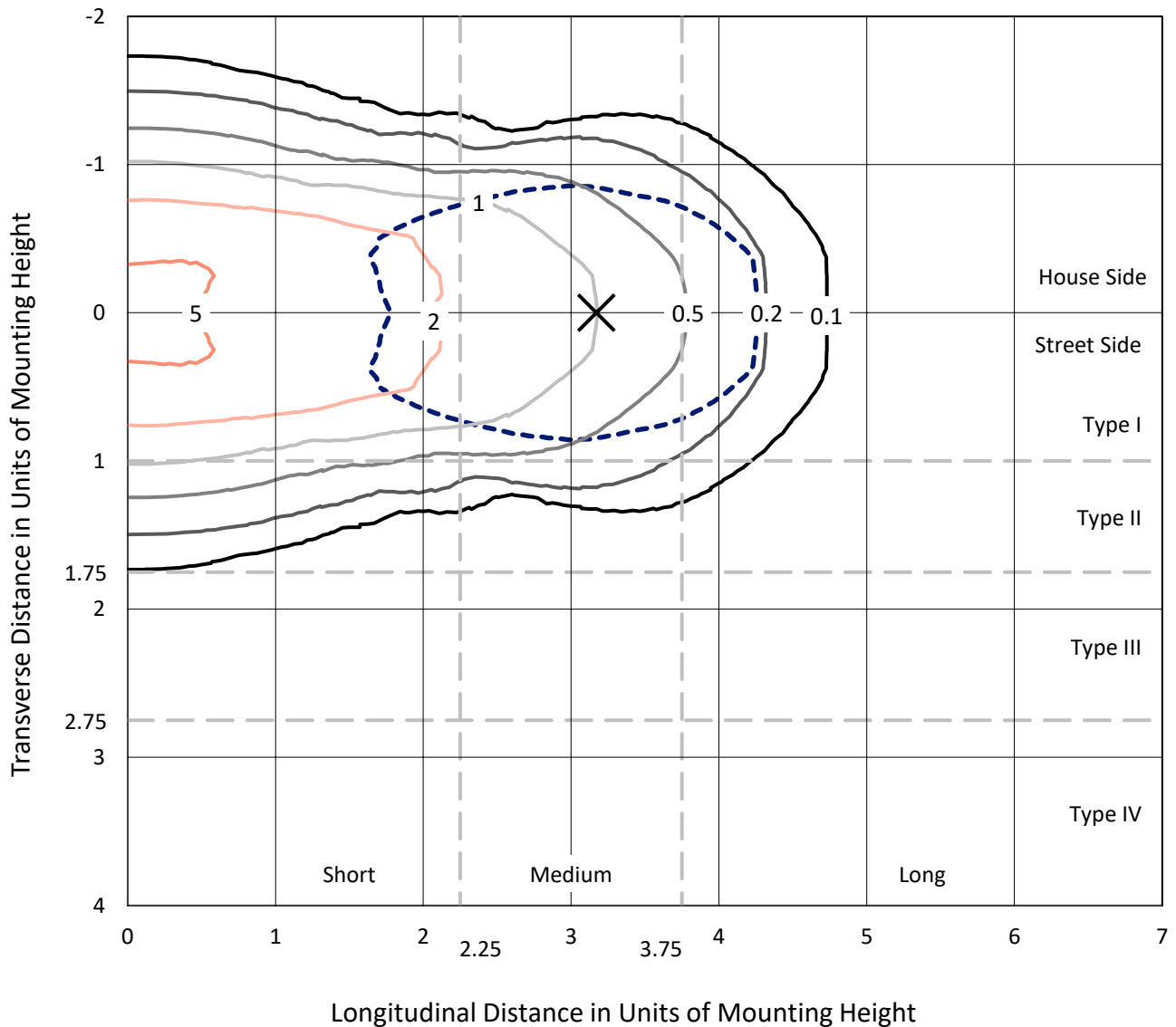
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

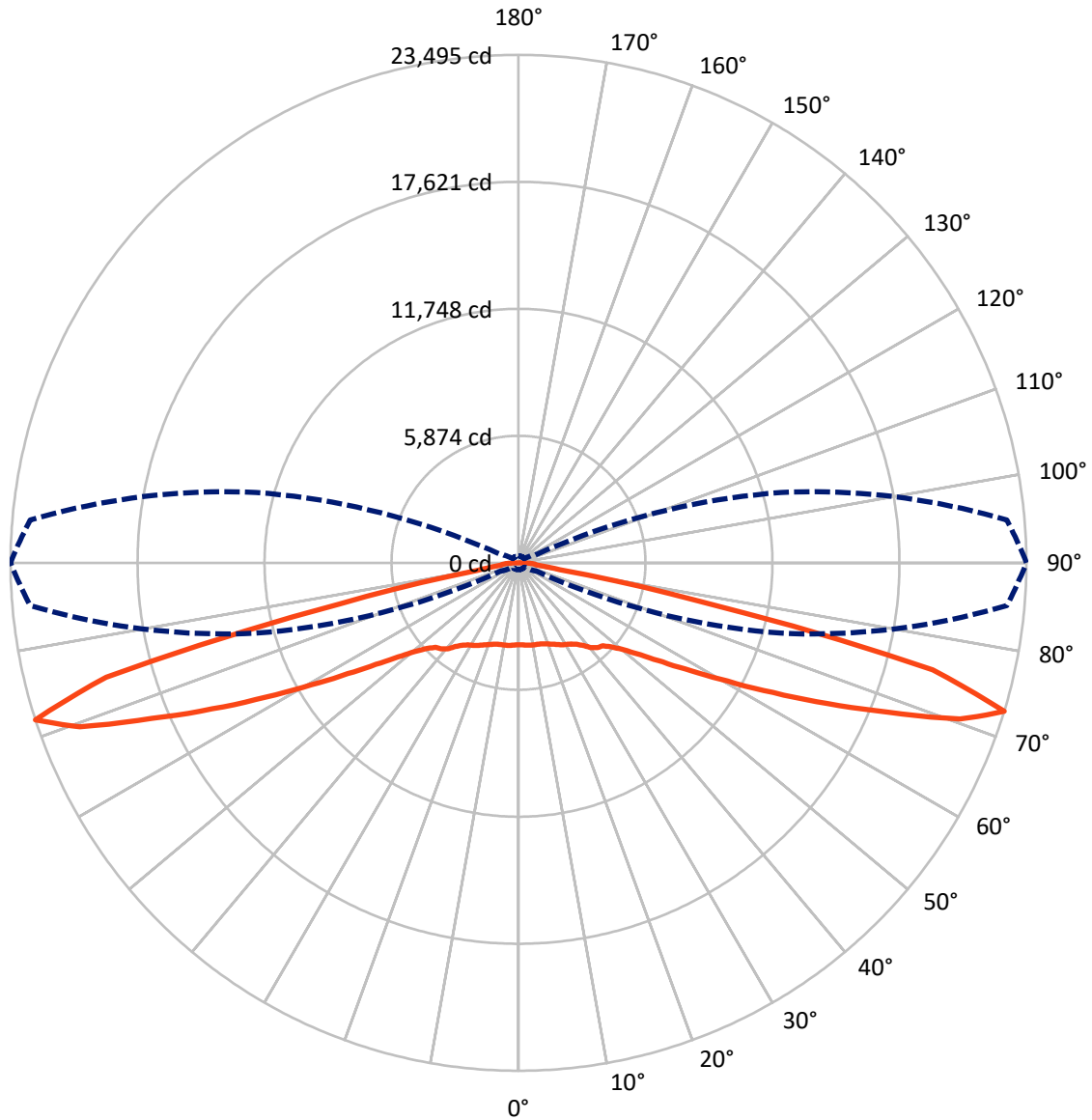
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10161.5	0.0	10161.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10161.5	0.0	10161.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20323.0	0.0	20323.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.2	1.8
10°-20°	1125.9	5.5
20°-30°	1877.3	9.2
30°-40°	2581.9	12.7
40°-50°	3153.1	15.5
50°-60°	3646.9	17.9
60°-70°	4348.4	21.4
70°-80°	3034.9	14.9
80°-90°	186.4	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°	20323.0	100.0
0°-180°	20323.0	100.0

Coefficient of Utilization



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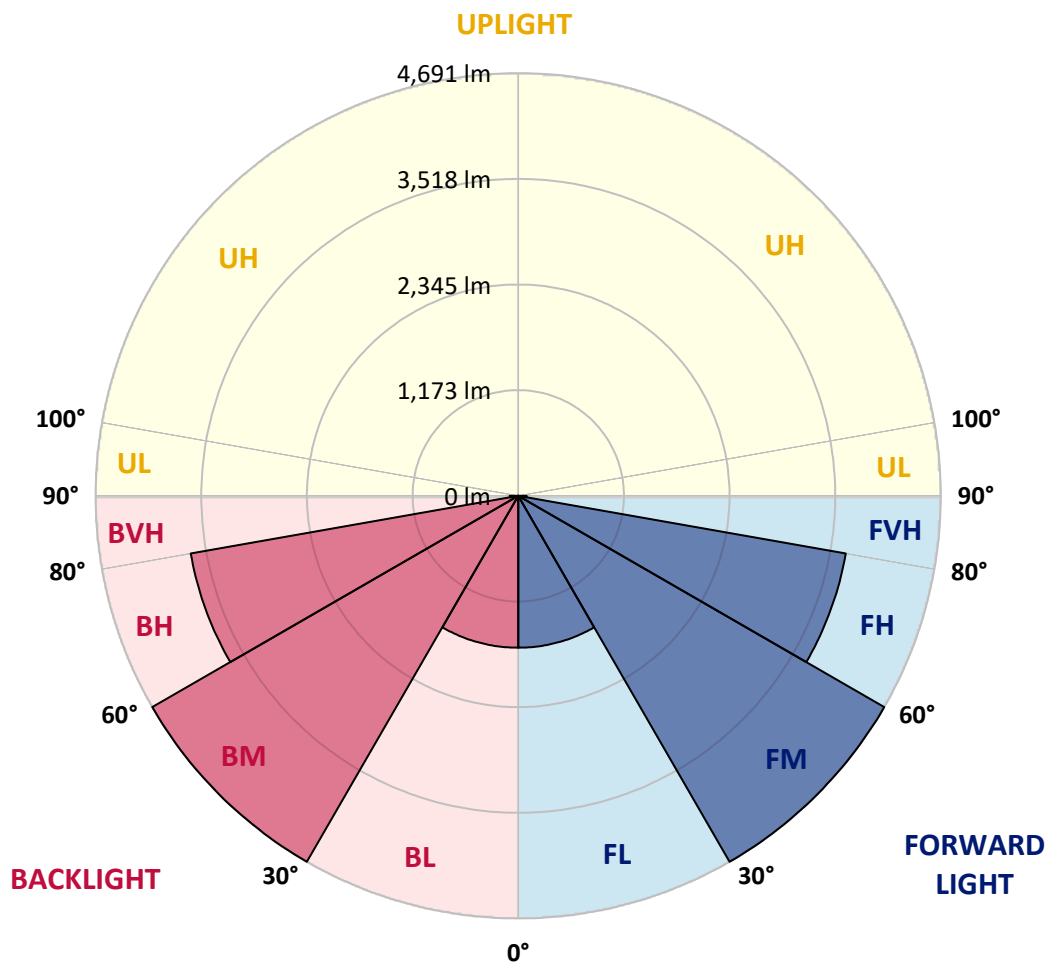
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1685.7	8.3			
FM (30°-60°)	4691.0	23.1			
FH (60°-80°)	3691.6	18.2			G2/5000
FVH (80°-90°)	93.2	0.5			G1/100
BL (0°-30°)	1685.7	8.3	B3/2500		
BM (30°-60°)	4691.0	23.1	B3/5000		
BH (60°-80°)	3691.6	18.2	B4/5000		G4/5000
BVH (80°-90°)	93.2	0.5			G1/100
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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6	3797.6
2.5°	3800.8	3805.1	3805.1	3801.9	3809.4	3803.0	3803.0	3799.7	3803.0	3799.7
5°	3820.2	3825.6	3827.8	3826.7	3836.5	3831.0	3831.0	3826.7	3827.8	3824.6
7.5°	3857.0	3864.5	3868.9	3874.3	3888.3	3881.8	3877.5	3864.5	3859.1	3850.5
10°	3868.9	3877.5	3891.5	3919.6	3952.0	3953.1	3940.1	3907.7	3882.9	3863.5
12.5°	3832.1	3844.0	3873.2	3930.4	4002.8	4031.9	4011.4	3957.4	3908.8	3874.3
15°	3785.7	3798.6	3842.9	3929.3	4036.3	4104.3	4102.2	4030.9	3953.1	3899.1
17.5°	3713.3	3726.3	3790.0	3911.0	4062.2	4174.5	4204.8	4131.3	4022.2	3949.9
20°	3582.6	3594.5	3683.1	3852.7	4070.8	4249.0	4327.9	4263.1	4127.0	4028.7
22.5°	3413.1	3431.4	3535.1	3752.2	4050.3	4326.8	4468.3	4424.0	4249.0	4113.0
25°	3231.6	3251.0	3372.0	3629.1	3997.4	4383.0	4634.6	4606.5	4387.3	4217.7
27.5°	3075.0	3095.5	3227.3	3507.0	3915.3	4404.6	4798.8	4812.8	4554.7	4333.3
30°	2951.9	2971.3	3111.7	3408.7	3809.4	4383.0	4942.5	5039.7	4725.4	4433.7
32.5°	2816.9	2841.7	2989.7	3288.8	3684.2	4331.1	5067.7	5284.8	4923.0	4541.7
35°	2646.2	2668.9	2824.4	3124.7	3520.0	4248.0	5172.5	5557.0	5206.0	4705.9
37.5°	2438.8	2460.4	2614.9	2919.5	3356.9	4131.3	5252.4	5863.8	5543.0	4942.5
40°	2230.4	2250.9	2395.6	2690.5	3161.4	3982.3	5280.5	6164.0	5929.6	5267.6
42.5°	2039.2	2057.6	2190.4	2464.7	2942.1	3792.2	5243.8	6425.4	6276.4	5494.4
45°	1863.1	1879.3	1997.1	2253.1	2714.2	3561.0	5133.6	6706.2	6688.9	5656.4
47.5°	1662.2	1678.4	1800.5	2047.8	2486.3	3289.9	4946.8	6982.7	7262.5	6023.6
50°	1417.1	1431.1	1556.4	1811.3	2249.8	3001.5	4687.6	7199.8	7986.1	6579.9
52.5°	1126.5	1141.6	1263.7	1518.6	1969.0	2691.6	4346.2	7341.3	8822.1	7392.1
55°	838.1	848.9	954.8	1183.8	1621.2	2338.4	3918.5	7381.3	9770.4	8502.4
57.5°	608.1	614.6	682.6	853.3	1229.1	1896.6	3399.0	7277.6	10899.1	9926.0
60°	492.5	494.7	515.2	590.8	854.3	1397.6	2771.5	6921.2	12123.9	11761.0
62.5°	447.2	447.2	452.6	473.1	577.8	922.4	2012.2	6182.4	13437.3	14079.9
65°	415.8	415.8	418.0	427.7	455.8	587.6	1270.2	4979.2	14544.4	16796.3
67.5°	387.7	388.8	387.7	391.0	407.2	434.2	736.6	3439.0	15140.6	19611.0
70°	358.6	360.7	355.3	355.3	368.3	369.4	461.2	1885.8	14645.9	21969.9
72.5°	324.0	327.3	318.6	316.5	326.2	321.9	346.7	905.1	12574.3	22674.2
75°	293.8	298.1	278.7	273.3	273.3	270.0	281.9	464.4	8161.1	18496.4
77.5°	266.8	275.4	244.1	226.8	222.5	212.8	230.1	284.1	3569.7	8683.9
80°	220.3	232.2	200.9	180.4	172.8	162.0	181.5	198.7	1061.7	2016.5
82.5°	164.2	169.6	142.6	128.5	122.0	114.5	136.1	138.3	345.6	713.9
85°	104.8	106.9	87.5	75.6	72.4	69.1	86.4	75.6	131.8	524.9
87.5°	36.7	42.1	33.5	30.2	32.4	27.0	40.0	22.7	36.7	370.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3797.6
3799.7
3824.6
3850.5
3860.2
3868.9
3890.5
3938.0
4010.3
4088.1
4183.2
4296.6
4380.8
4474.8
4631.4
4843.1
5161.7
5358.3
5472.8
5811.9
6314.2
7064.8
8093.1
9410.8
11111.9
13210.5
15696.8
18424.0
21657.8
23495.0
19783.9
8503.5
1931.2
806.8
762.5
459.0
0.0

OF REPORT)