

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: P850074

Luminaire Tested: **GLAN-SB7B-930-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850074
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-930-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26727 lumens
Efficiency: N/A
Efficacy: 104.1 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

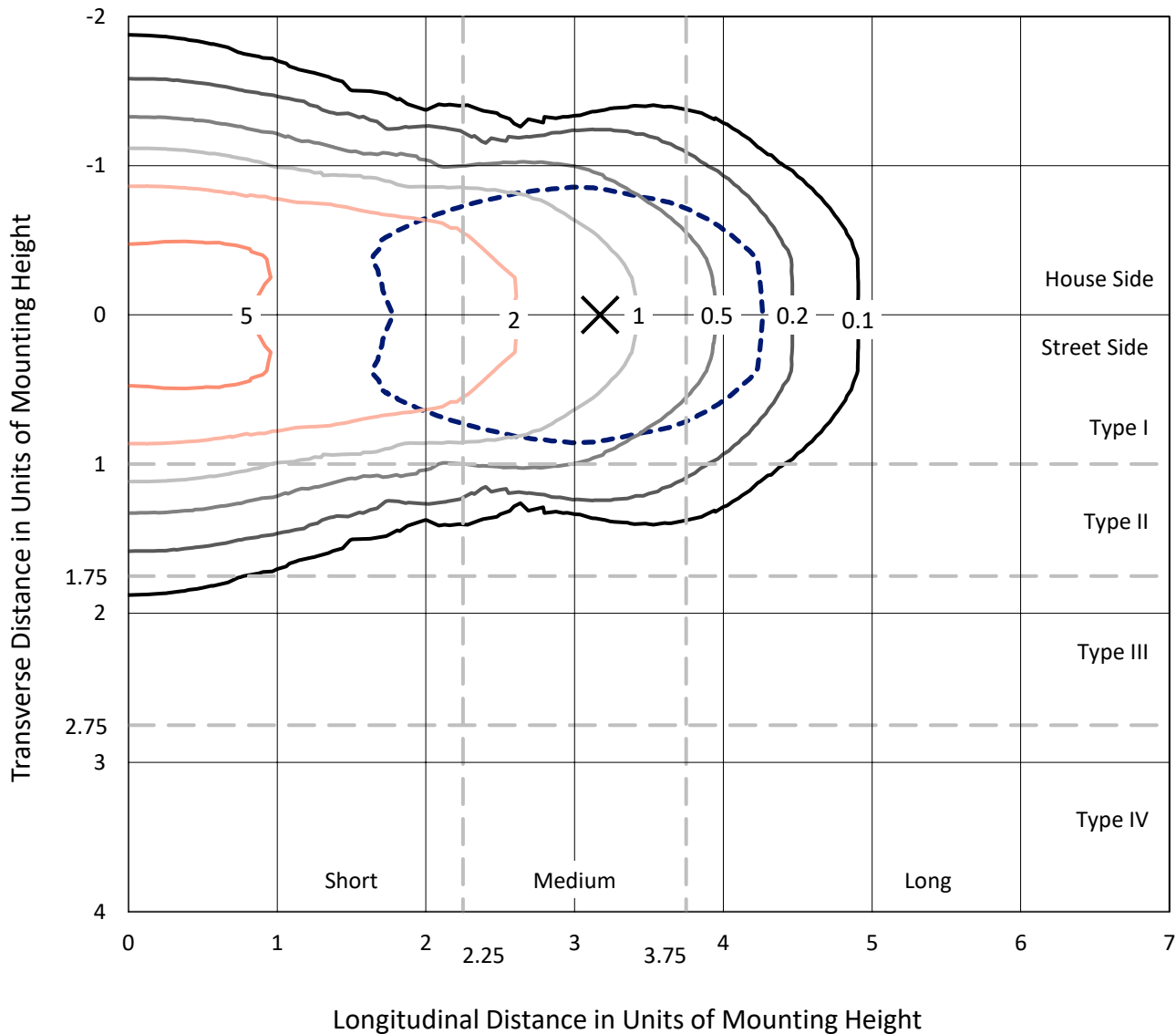
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

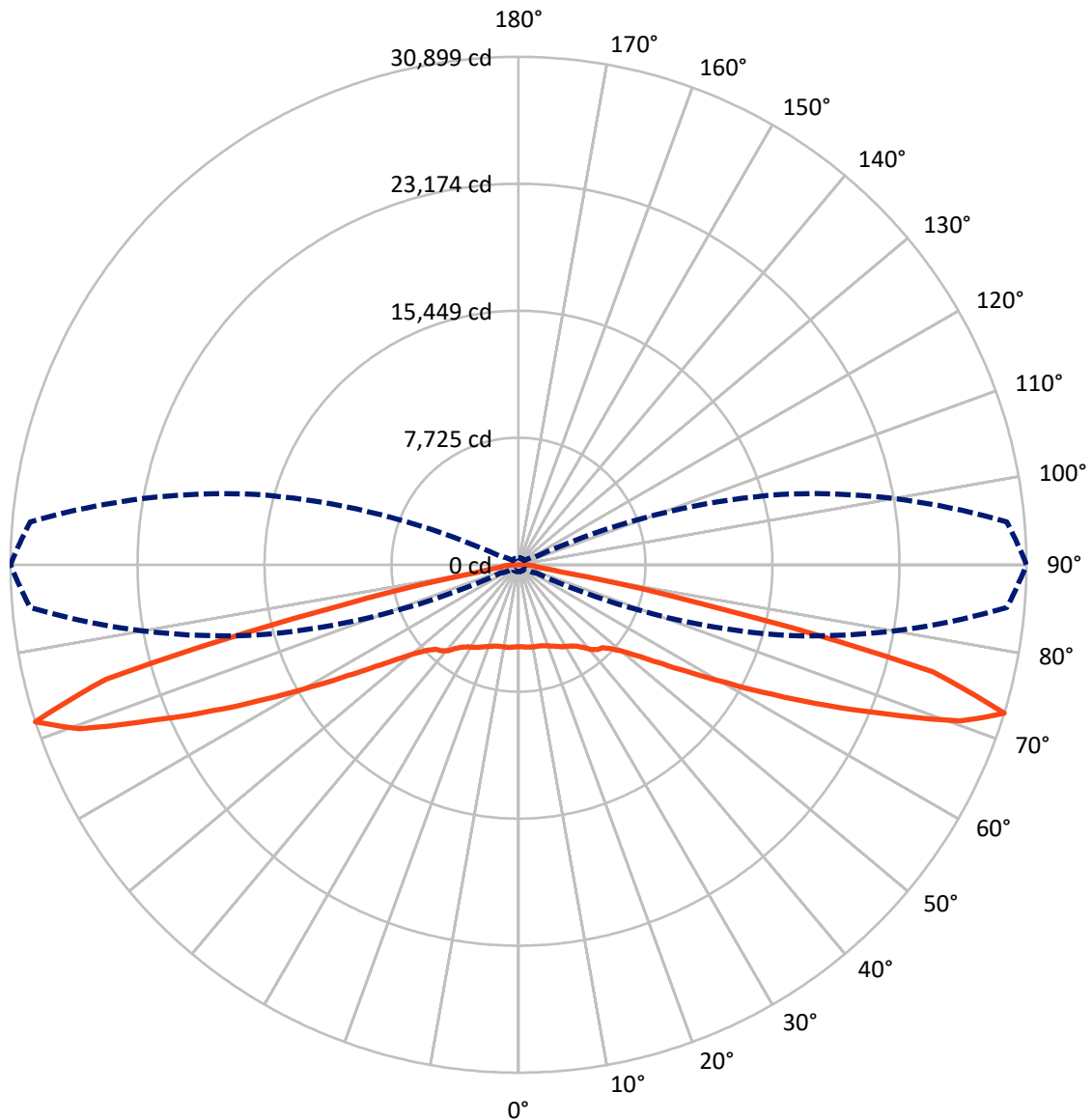
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 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	13363.5	0.0	13363.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13363.5	0.0	13363.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26727.0	0.0	26727.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.3	1.8
10°-20°	1480.6	5.5
20°-30°	2468.8	9.2
30°-40°	3395.4	12.7
40°-50°	4146.7	15.5
50°-60°	4796.1	17.9
60°-70°	5718.6	21.4
70°-80°	3991.2	14.9
80°-90°	245.1	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°	26727.0	100.0
0°-180°	26727.0	100.0

Coefficient of Utilization



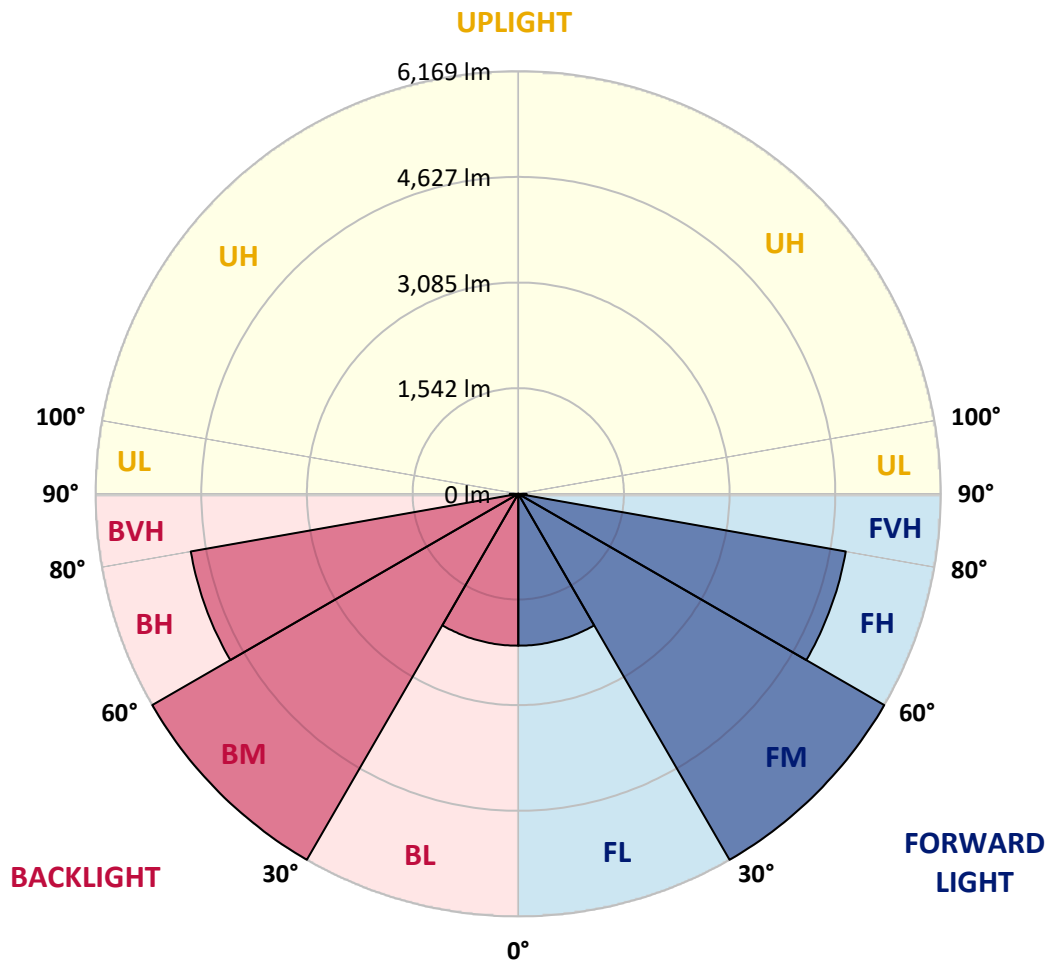
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2216.9	8.3			
FM (30°-60°)	6169.1	23.1			
FH (60°-80°)	4854.9	18.2			G2/5000
FVH (80°-90°)	122.6	0.5			G2/225
BL (0°-30°)	2216.9	8.3	B3/2500		
BM (30°-60°)	6169.1	23.1	B4/8500		
BH (60°-80°)	4854.9	18.2	B4/5000		G4/5000
BVH (80°-90°)	122.6	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4994.2	4994.2	4994.2	4994.2	4994.2	4994.2	4994.2	4994.2	4994.2	4994.2
2.5°	4998.5	5004.2	5004.2	4999.9	5009.8	5001.3	5001.3	4997.1	5001.3	4997.1
5°	5024.1	5031.2	5034.0	5032.6	5045.4	5038.3	5038.3	5032.6	5034.0	5029.7
7.5°	5072.3	5082.3	5088.0	5095.1	5113.5	5105.0	5099.3	5082.3	5075.2	5063.8
10°	5088.0	5099.3	5117.8	5154.7	5197.3	5198.8	5181.7	5139.1	5106.4	5080.9
12.5°	5039.7	5055.3	5093.7	5168.9	5264.1	5302.5	5275.5	5204.4	5140.5	5095.1
15°	4978.6	4995.6	5053.9	5167.5	5308.1	5397.6	5394.8	5301.0	5198.8	5127.7
17.5°	4883.4	4900.5	4984.3	5143.4	5342.2	5490.0	5529.7	5433.1	5289.7	5194.5
20°	4711.6	4727.2	4843.7	5066.7	5353.6	5588.0	5691.7	5606.4	5427.5	5298.2
22.5°	4488.5	4512.7	4649.1	4934.6	5326.6	5690.2	5876.3	5818.1	5588.0	5409.0
25°	4249.9	4275.5	4434.6	4772.6	5257.0	5764.1	6095.1	6058.1	5769.8	5546.8
27.5°	4044.0	4070.9	4244.2	4612.1	5149.0	5792.5	6311.0	6329.4	5989.9	5698.8
30°	3882.0	3907.6	4092.3	4482.9	5009.8	5764.1	6499.9	6627.7	6214.4	5830.9
32.5°	3704.5	3737.1	3931.7	4325.2	4845.1	5695.9	6664.6	6950.2	6474.3	5972.9
35°	3480.0	3509.9	3714.4	4109.3	4629.2	5586.5	6802.4	7308.1	6846.5	6188.8
37.5°	3207.3	3235.7	3438.9	3839.4	4414.7	5433.1	6907.5	7711.5	7289.6	6499.9
40°	2933.2	2960.2	3150.5	3538.3	4157.6	5237.1	6944.5	8106.4	7798.1	6927.4
42.5°	2681.8	2705.9	2880.6	3241.4	3869.2	4987.1	6896.2	8450.1	8254.1	7225.7
45°	2450.2	2471.5	2626.4	2963.0	3569.5	4683.1	6751.3	8819.4	8796.7	7438.8
47.5°	2186.0	2207.3	2367.9	2693.1	3269.8	4326.6	6505.6	9183.1	9551.0	7921.7
50°	1863.6	1882.1	2046.8	2382.1	2958.7	3947.4	6164.7	9468.6	10502.6	8653.2
52.5°	1481.5	1501.4	1661.9	1997.1	2589.4	3539.7	5715.8	9654.6	11602.0	9721.4
55°	1102.3	1116.5	1255.7	1556.8	2132.1	3075.2	5153.3	9707.2	12849.2	11181.6
57.5°	799.7	808.2	897.7	1122.1	1616.4	2494.3	4470.1	9570.8	14333.5	13053.7
60°	647.7	650.6	677.5	777.0	1123.6	1838.0	3644.8	9102.1	15944.3	15467.0
62.5°	588.1	588.1	595.2	622.1	759.9	1213.0	2646.3	8130.5	17671.5	18516.7
65°	546.9	546.9	549.7	562.5	599.4	772.7	1670.4	6548.2	19127.5	22089.1
67.5°	509.9	511.4	509.9	514.2	535.5	571.0	968.7	4522.6	19911.5	25790.7
70°	471.6	474.4	467.3	467.3	484.4	485.8	606.5	2480.1	19261.0	28892.9
72.5°	426.1	430.4	419.0	416.2	429.0	423.3	456.0	1190.3	16536.6	29819.0
75°	386.4	392.0	366.5	359.4	359.4	355.1	370.7	610.8	10732.7	24324.8
77.5°	350.8	362.2	321.0	298.3	292.6	279.8	302.6	373.6	4694.5	11420.2
80°	289.8	305.4	264.2	237.2	227.3	213.1	238.6	261.4	1396.3	2651.9
82.5°	215.9	223.0	187.5	169.0	160.5	150.6	179.0	181.8	454.5	938.9
85°	137.8	140.6	115.1	99.4	95.2	90.9	113.6	99.4	173.3	690.3
87.5°	48.3	55.4	44.0	39.8	42.6	35.5	52.6	29.8	48.3	487.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4994.2
4997.1
5029.7
5063.8
5076.6
5088.0
5116.4
5178.9
5274.0
5376.3
5501.3
5650.5
5761.3
5884.8
6090.8
6369.2
6788.2
7046.7
7197.3
7643.3
8303.8
9291.0
10643.3
12376.2
14613.4
17373.2
20643.1
24229.6
28482.4
30898.6
26018.0
11183.0
2539.7
1061.1
1002.8
603.7
0.0

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