

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: P850404

Luminaire Tested: **GLAN-SB7D-927-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850404
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-SB7D-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46104 lumens
Efficiency: N/A
Efficacy: 89.9 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

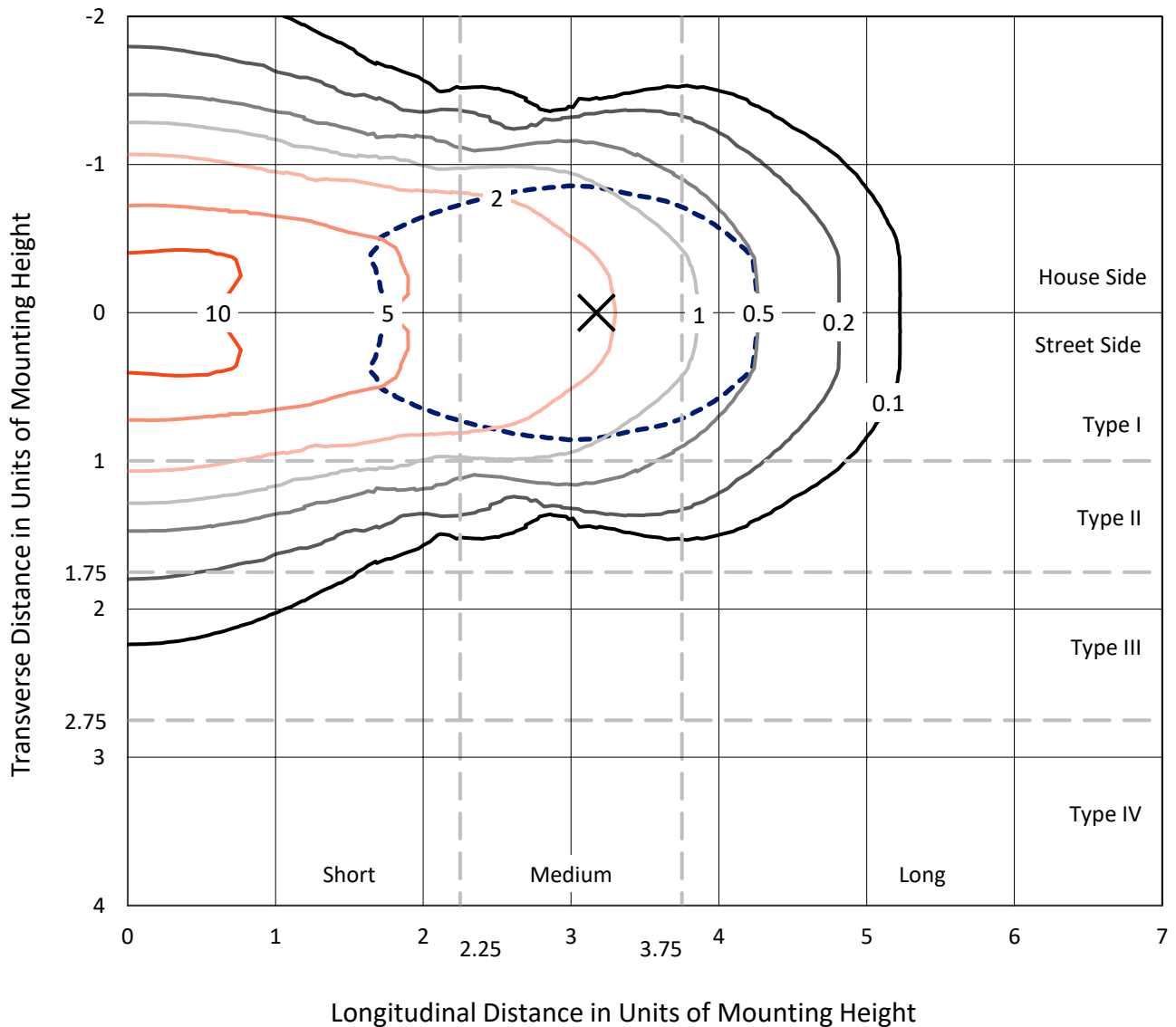
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

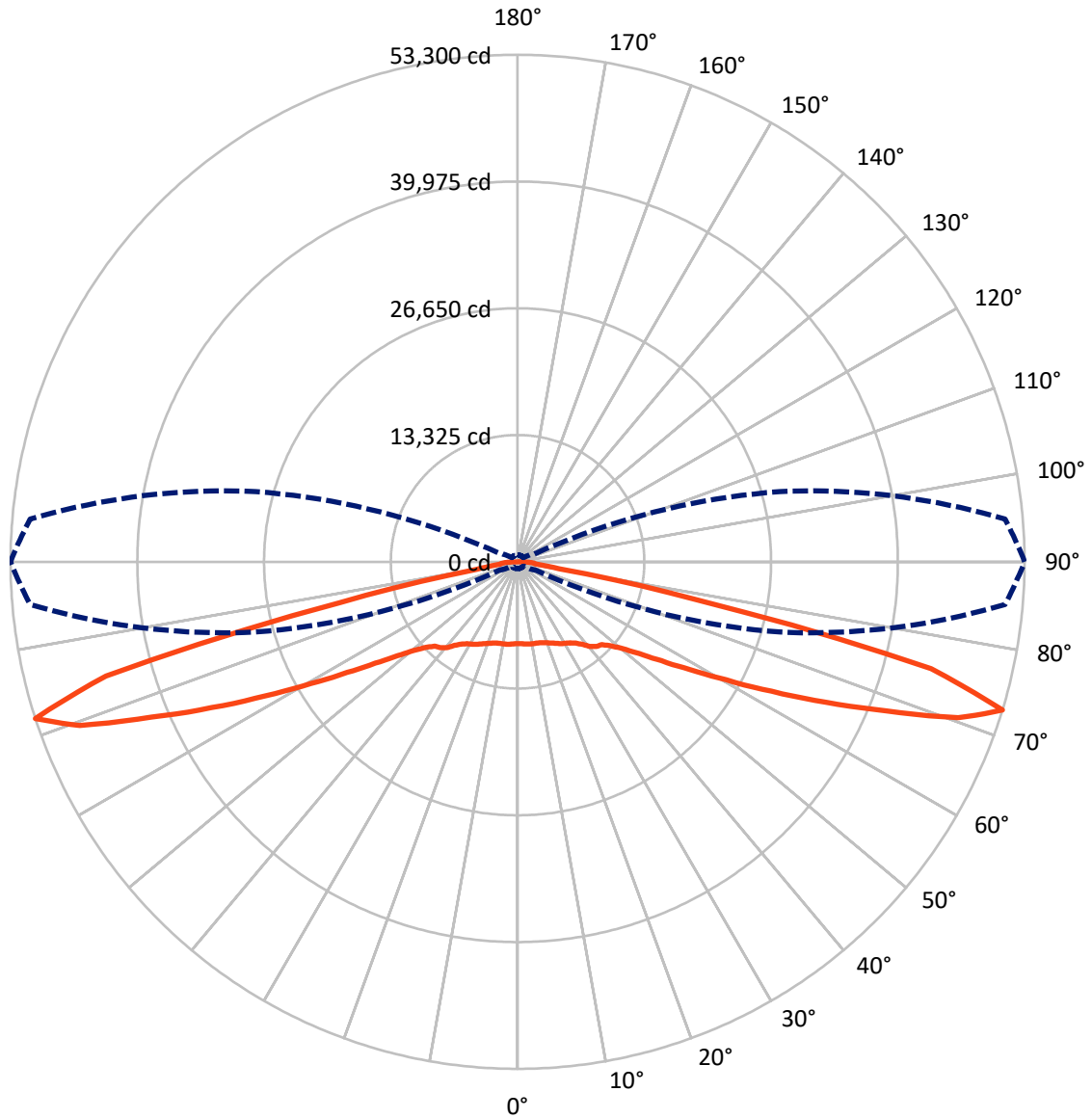
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.8 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	23052.0	0.0	23052.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23052.0	0.0	23052.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	46104.0	0.0	46104.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	835.3	1.8
10°-20°	2554.1	5.5
20°-30°	4258.7	9.2
30°-40°	5857.1	12.7
40°-50°	7153.1	15.5
50°-60°	8273.3	17.9
60°-70°	9864.6	21.4
70°-80°	6884.8	14.9
80°-90°	422.9	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°	46104.0	100.0
0°-180°	46104.0	100.0

Coefficient of Utilization

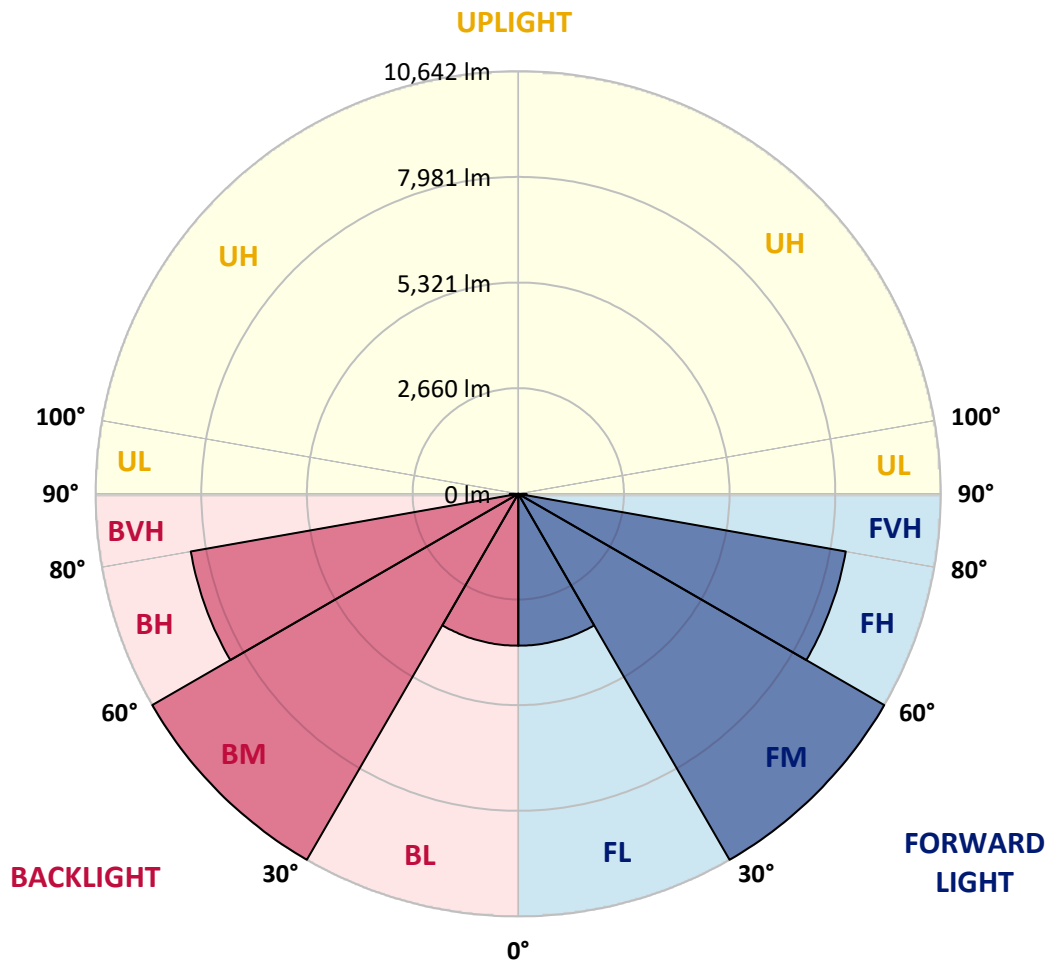


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3824.1	8.3			
FM (30°-60°)	10641.8	23.1			
FH (60°-80°)	8374.7	18.2			G4/12000
FVH (80°-90°)	211.4	0.5			G2/225
BL (0°-30°)	3824.1	8.3	B4/5000		
BM (30°-60°)	10641.8	23.1	B5		
BH (60°-80°)	8374.7	18.2	B5		G5
BVH (80°-90°)	211.4	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8615.0	8615.0	8615.0	8615.0	8615.0	8615.0	8615.0	8615.0	8615.0	8615.0
2.5°	8622.4	8632.2	8632.2	8624.8	8642.0	8627.3	8627.3	8619.9	8627.3	8619.9
5°	8666.5	8678.7	8683.6	8681.2	8703.2	8691.0	8691.0	8681.2	8683.6	8676.3
7.5°	8749.8	8766.9	8776.7	8789.0	8820.8	8806.1	8796.3	8766.9	8754.7	8735.1
10°	8776.7	8796.3	8828.2	8891.9	8965.4	8967.9	8938.4	8864.9	8808.6	8764.5
12.5°	8693.4	8720.4	8786.5	8916.4	9080.6	9146.7	9100.2	8977.7	8867.4	8789.0
15°	8588.1	8617.5	8717.9	8913.9	9156.5	9310.9	9306.0	9144.3	8967.9	8845.3
17.5°	8423.9	8453.3	8597.9	8872.3	9215.3	9470.2	9538.8	9372.1	9124.7	8960.5
20°	8127.4	8154.4	8355.3	8740.0	9234.9	9639.2	9818.1	9671.1	9362.3	9139.4
22.5°	7742.7	7784.4	8019.6	8512.1	9188.4	9815.6	10136.6	10036.2	9639.2	9330.5
25°	7331.1	7375.2	7649.6	8232.8	9068.3	9943.0	10513.9	10450.2	9952.8	9568.2
27.5°	6975.8	7022.4	7321.3	7955.9	8882.1	9992.0	10886.4	10918.2	10332.6	9830.3
30°	6696.5	6740.6	7059.1	7732.9	8642.0	9943.0	11212.3	11432.8	10719.8	10058.2
32.5°	6390.2	6446.6	6782.2	7461.0	8357.7	9825.4	11496.5	11989.0	11168.2	10303.2
35°	6003.1	6054.5	6407.4	7088.5	7985.3	9636.8	11734.2	12606.4	11810.1	10675.7
37.5°	5532.6	5581.6	5932.0	6623.0	7615.3	9372.1	11915.5	13302.3	12574.6	11212.3
40°	5059.7	5106.3	5434.6	6103.5	7171.8	9034.0	11979.2	13983.5	13451.8	11949.8
42.5°	4626.0	4667.7	4969.1	5591.4	6674.4	8602.8	11895.9	14576.4	14238.3	12464.3
45°	4226.7	4263.4	4530.5	5111.2	6157.4	8078.4	11646.0	15213.5	15174.3	12831.9
47.5°	3770.9	3807.7	4084.5	4645.6	5640.4	7463.4	11222.1	15840.8	16475.4	13664.9
50°	3214.7	3246.6	3530.8	4109.0	5103.8	6809.2	10634.0	16333.3	18117.0	14926.8
52.5°	2555.6	2589.9	2866.8	3445.0	4466.8	6106.0	9859.7	16654.2	20013.5	16769.4
55°	1901.4	1925.9	2166.0	2685.5	3677.8	5304.8	8889.4	16744.9	22164.8	19288.2
57.5°	1379.5	1394.2	1548.5	1935.7	2788.4	4302.6	7710.9	16509.7	24725.3	22517.6
60°	1117.3	1122.2	1168.8	1340.3	1938.1	3170.6	6287.3	15701.1	27503.9	26680.6
62.5°	1014.4	1014.4	1026.6	1073.2	1310.9	2092.5	4564.8	14025.1	30483.3	31941.2
65°	943.3	943.3	948.2	970.3	1034.0	1332.9	2881.5	11295.6	32994.8	38103.6
67.5°	879.6	882.1	879.6	887.0	923.7	985.0	1671.1	7801.5	34347.4	44488.9
70°	813.5	818.4	806.1	806.1	835.5	838.0	1046.2	4278.1	33225.2	49840.2
72.5°	735.1	742.4	722.8	717.9	740.0	730.2	786.5	2053.3	28525.6	51437.7
75°	666.5	676.3	632.2	619.9	619.9	612.6	639.5	1053.6	18514.0	41960.2
77.5°	605.2	624.8	553.8	514.5	504.7	482.7	521.9	644.4	8098.0	19699.9
80°	499.8	526.8	455.7	409.2	392.0	367.5	411.6	450.8	2408.6	4574.6
82.5°	372.4	384.7	323.4	291.6	276.9	259.7	308.7	313.6	784.1	1619.6
85°	237.7	242.6	198.5	171.5	164.2	156.8	196.0	171.5	298.9	1190.8
87.5°	83.3	95.6	76.0	68.6	73.5	61.3	90.7	51.5	83.3	840.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8615.0
8619.9
8676.3
8735.1
8757.1
8776.7
8825.7
8933.5
9097.7
9274.1
9489.8
9747.0
9938.1
10151.3
10506.6
10986.8
11709.7
12155.6
12415.3
13184.7
14324.1
16027.0
18359.6
21348.9
25208.0
29968.8
35609.2
41796.1
49132.1
53299.9
44880.9
19290.7
4381.0
1830.3
1729.9
1041.3
0.0

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