

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: P850474

Luminaire Tested: **GLAN-SB8A-730-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850474
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-SB8A-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34662 lumens
Efficiency: N/A
Efficacy: 152.6 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

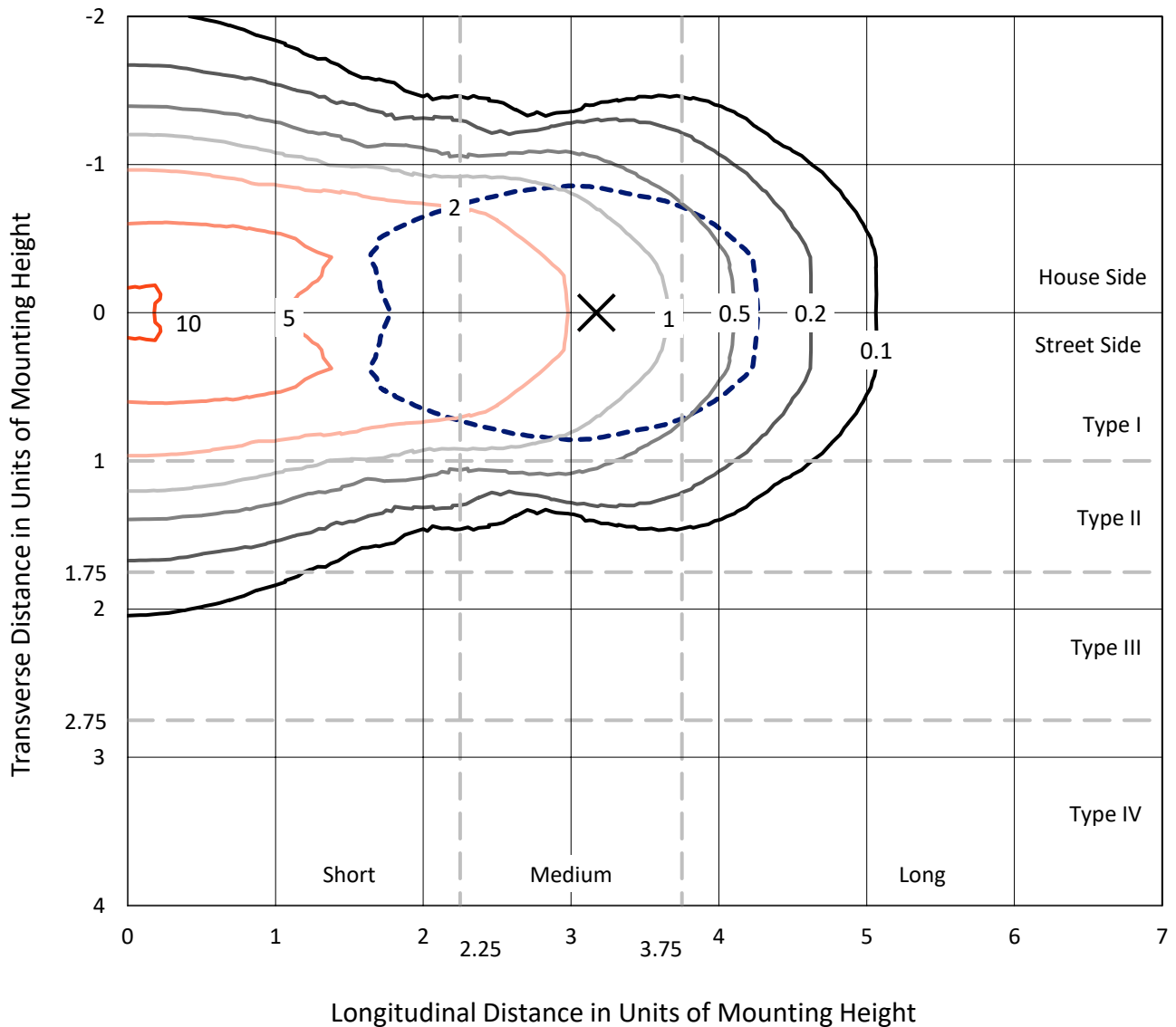
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

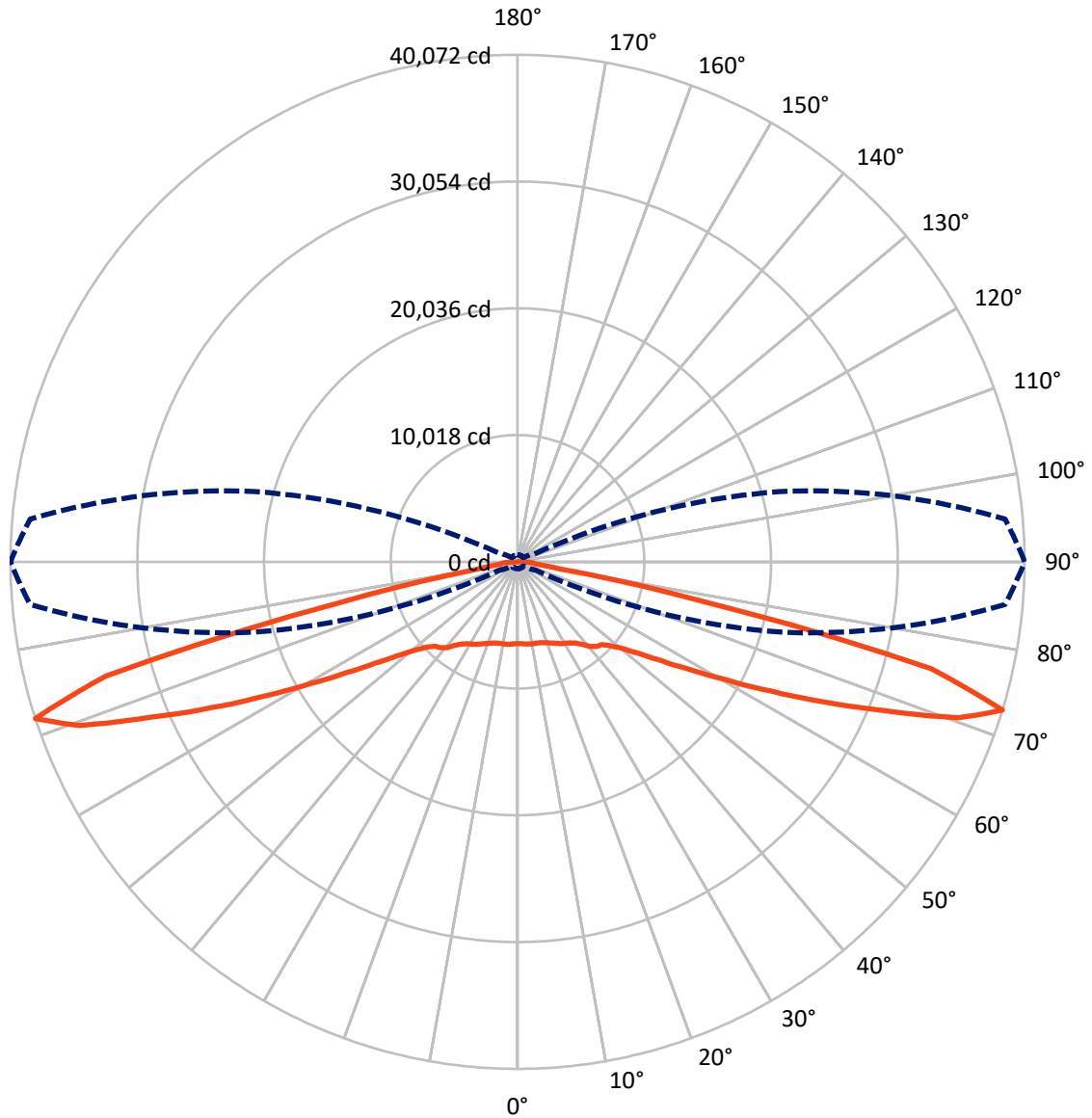
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 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	17331.0	0.0	17331.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17331.0	0.0	17331.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34662.0	0.0	34662.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	628.0	1.8
10°-20°	1920.2	5.5
20°-30°	3201.8	9.2
30°-40°	4403.5	12.7
40°-50°	5377.9	15.5
50°-60°	6220.1	17.9
60°-70°	7416.4	21.4
70°-80°	5176.2	14.9
80°-90°	317.9	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°	34662.0	100.0
0°-180°	34662.0	100.0

Coefficient of Utilization

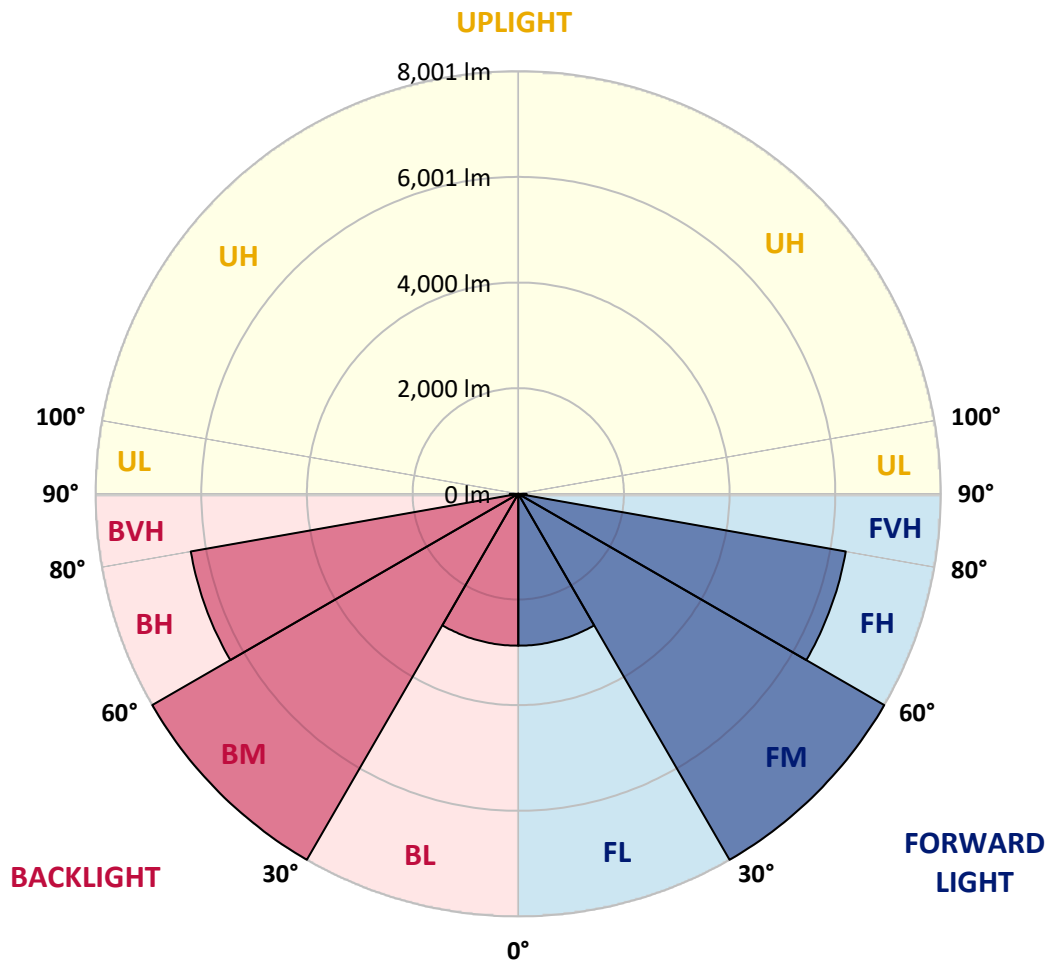


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2875.0	8.3			
FM (30°-60°)	8000.7	23.1			
FH (60°-80°)	6296.3	18.2			G3/7500
FVH (80°-90°)	159.0	0.5			G2/225
BL (0°-30°)	2875.0	8.3	B4/5000		
BM (30°-60°)	8000.7	23.1	B4/8500		
BH (60°-80°)	6296.3	18.2	B5		G5
BVH (80°-90°)	159.0	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0	6477.0
2.5°	6482.5	6489.9	6489.9	6484.3	6497.2	6486.2	6486.2	6480.6	6486.2	6480.6
5°	6515.6	6524.9	6528.5	6526.7	6543.3	6534.1	6534.1	6526.7	6528.5	6523.0
7.5°	6578.3	6591.2	6598.5	6607.8	6631.7	6620.6	6613.3	6591.2	6582.0	6567.2
10°	6598.5	6613.3	6637.2	6685.1	6740.4	6742.2	6720.1	6664.9	6622.5	6589.3
12.5°	6535.9	6556.2	6605.9	6703.5	6827.0	6876.7	6841.7	6749.6	6666.7	6607.8
15°	6456.7	6478.8	6554.3	6701.7	6884.1	7000.1	6996.4	6874.9	6742.2	6650.1
17.5°	6333.3	6355.4	6464.1	6670.4	6928.3	7119.9	7171.4	7046.2	6860.1	6736.7
20°	6110.4	6130.6	6281.7	6570.9	6943.0	7247.0	7381.5	7270.9	7038.8	6871.2
22.5°	5821.2	5852.5	6029.3	6399.6	6908.0	7379.6	7620.9	7545.4	7247.0	7014.9
25°	5511.7	5544.8	5751.2	6189.6	6817.8	7475.4	7904.6	7856.7	7482.8	7193.6
27.5°	5244.6	5279.6	5504.3	5981.4	6677.8	7512.2	8184.6	8208.6	7768.3	7390.7
30°	5034.6	5067.7	5307.2	5813.8	6497.2	7475.4	8429.6	8595.4	8059.4	7562.0
32.5°	4804.3	4846.7	5099.0	5609.3	6283.5	7387.0	8643.3	9013.6	8396.5	7746.2
35°	4513.2	4551.9	4817.2	5329.3	6003.5	7245.1	8822.0	9477.8	8879.1	8026.2
37.5°	4159.5	4196.4	4459.8	4979.3	5725.4	7046.2	8958.3	10001.0	9453.9	8429.6
40°	3804.0	3839.0	4085.9	4588.8	5391.9	6792.0	9006.2	10513.1	10113.3	8984.1
42.5°	3478.0	3509.3	3735.9	4203.8	5018.0	6467.7	8943.6	10958.9	10704.7	9371.0
45°	3177.7	3205.3	3406.1	3842.7	4629.3	6073.5	8755.7	11437.8	11408.4	9647.3
47.5°	2835.1	2862.7	3070.8	3492.7	4240.6	5611.2	8437.0	11909.4	12386.5	10273.6
50°	2416.9	2440.8	2654.5	3089.3	3837.2	5119.3	7994.9	12279.7	13620.8	11222.3
52.5°	1921.4	1947.1	2155.3	2590.0	3358.2	4590.6	7412.8	12521.0	15046.6	12607.6
55°	1429.5	1447.9	1628.5	2019.0	2765.1	3988.2	6683.3	12589.2	16664.0	14501.3
57.5°	1037.1	1048.2	1164.2	1455.3	2096.4	3234.8	5797.2	12412.3	18589.0	16929.3
60°	840.0	843.7	878.7	1007.7	1457.1	2383.7	4726.9	11804.4	20678.0	20059.1
62.5°	762.6	762.6	771.9	806.9	985.5	1573.2	3431.9	10544.4	22918.1	24014.1
65°	709.2	709.2	712.9	729.5	777.4	1002.1	2166.4	8492.3	24806.2	28647.1
67.5°	661.3	663.2	661.3	666.9	694.5	740.5	1256.3	5865.4	25823.1	33447.7
70°	611.6	615.3	606.1	606.1	628.2	630.0	786.6	3216.4	24979.4	37470.9
72.5°	552.6	558.2	543.4	539.7	556.3	549.0	591.3	1543.7	21446.2	38672.0
75°	501.1	508.4	475.3	466.1	466.1	460.5	480.8	792.1	13919.2	31546.6
77.5°	455.0	469.7	416.3	386.8	379.5	362.9	392.4	484.5	6088.3	14810.8
80°	375.8	396.1	342.6	307.6	294.7	276.3	309.5	339.0	1810.8	3439.3
82.5°	280.0	289.2	243.2	219.2	208.2	195.3	232.1	235.8	589.5	1217.7
85°	178.7	182.4	149.2	128.9	123.4	117.9	147.4	128.9	224.7	895.3
87.5°	62.6	71.8	57.1	51.6	55.3	46.1	68.2	38.7	62.6	631.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6477.0
6480.6
6523.0
6567.2
6583.8
6598.5
6635.4
6716.4
6839.9
6972.5
7134.6
7328.0
7471.7
7632.0
7899.1
8260.2
8803.6
9138.9
9334.1
9912.5
10769.1
12049.4
13803.1
16050.6
18951.9
22531.2
26771.8
31423.2
36938.6
40072.0
33742.5
14503.2
3293.7
1376.1
1300.6
782.9
0.0

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