

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: P851324

Luminaire Tested: **GLAN-SB9B-730-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851324
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-SB9B-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49013 lumens
Efficiency: N/A
Efficacy: 148.7 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

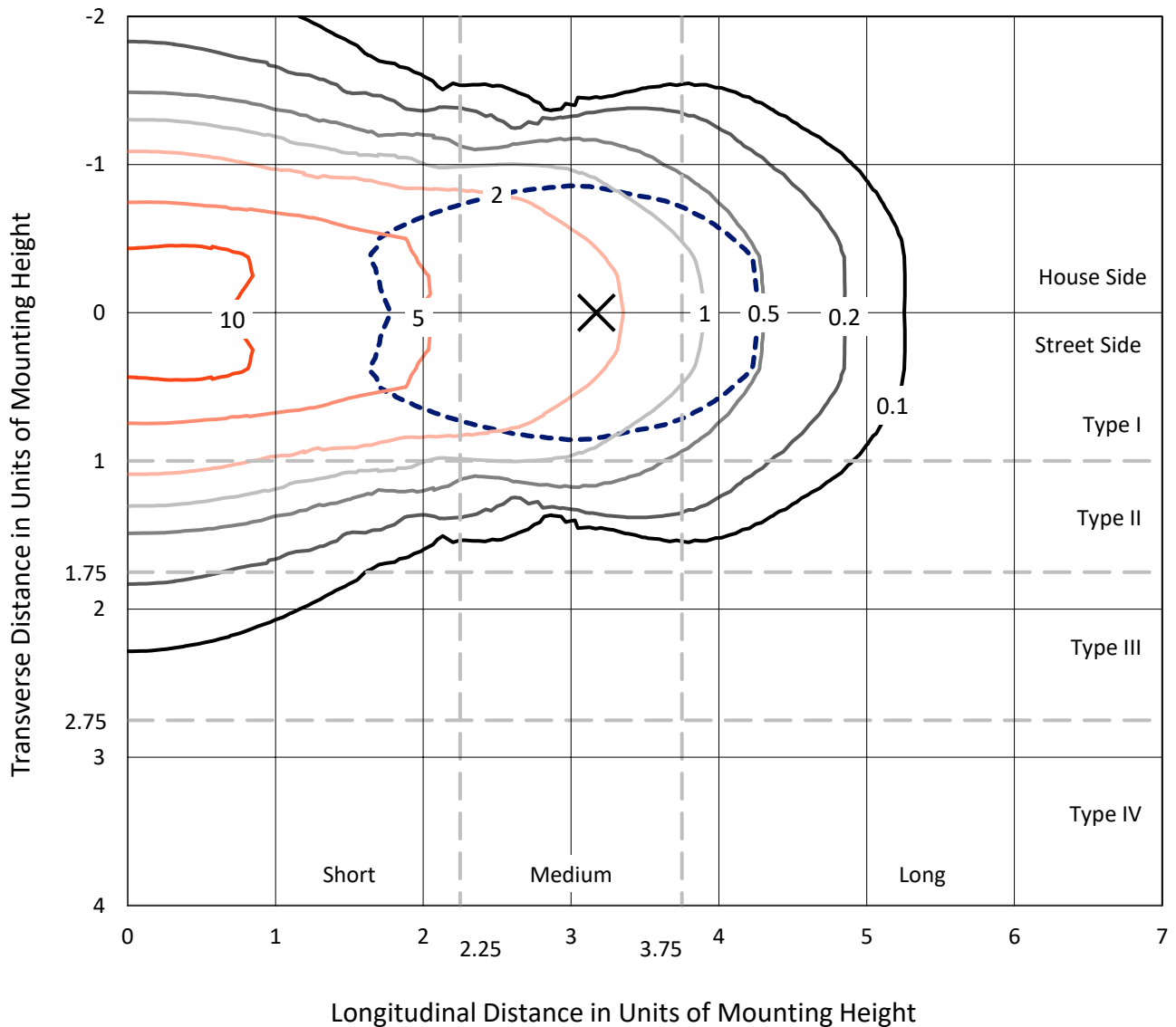
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

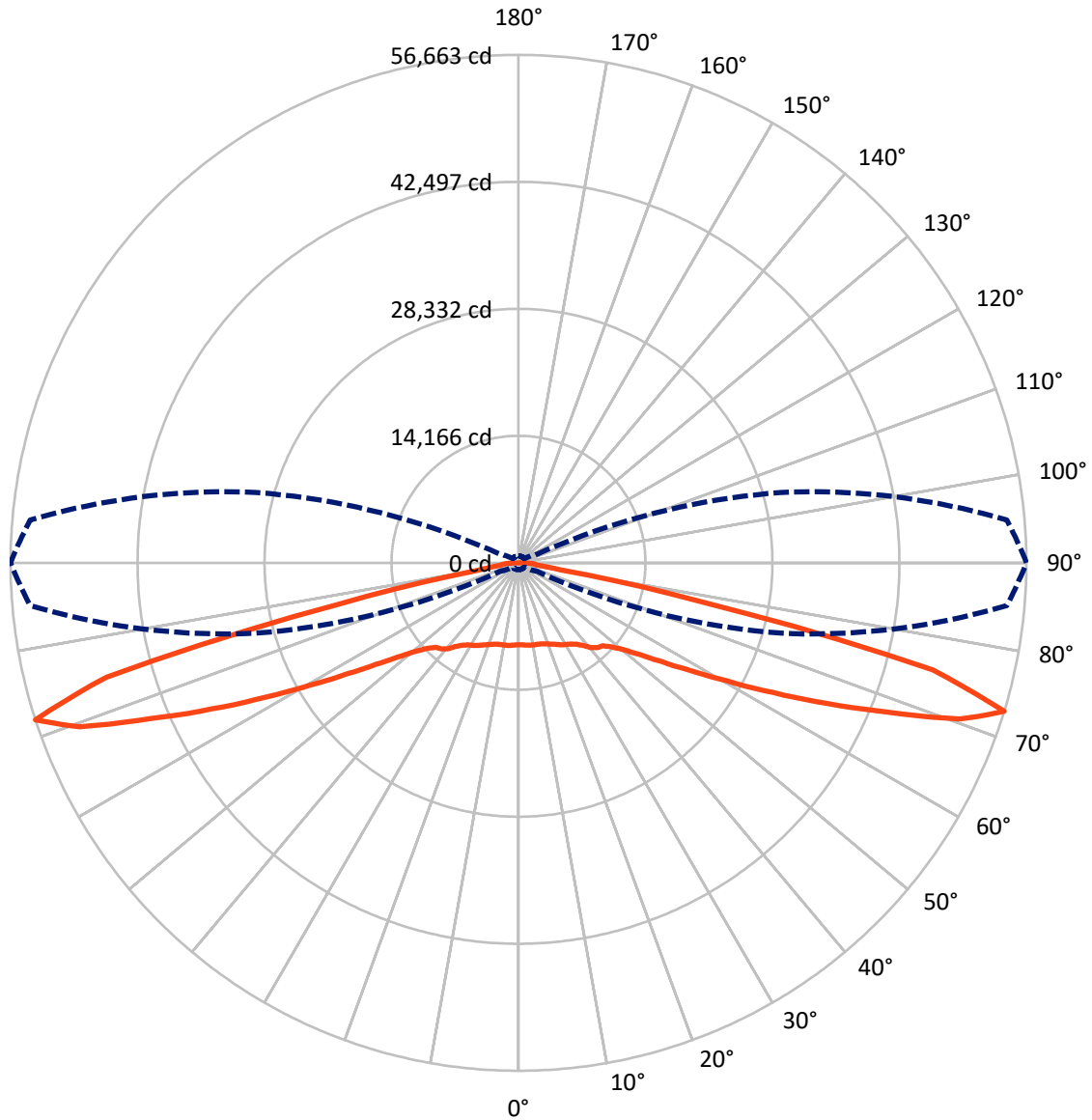
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.7 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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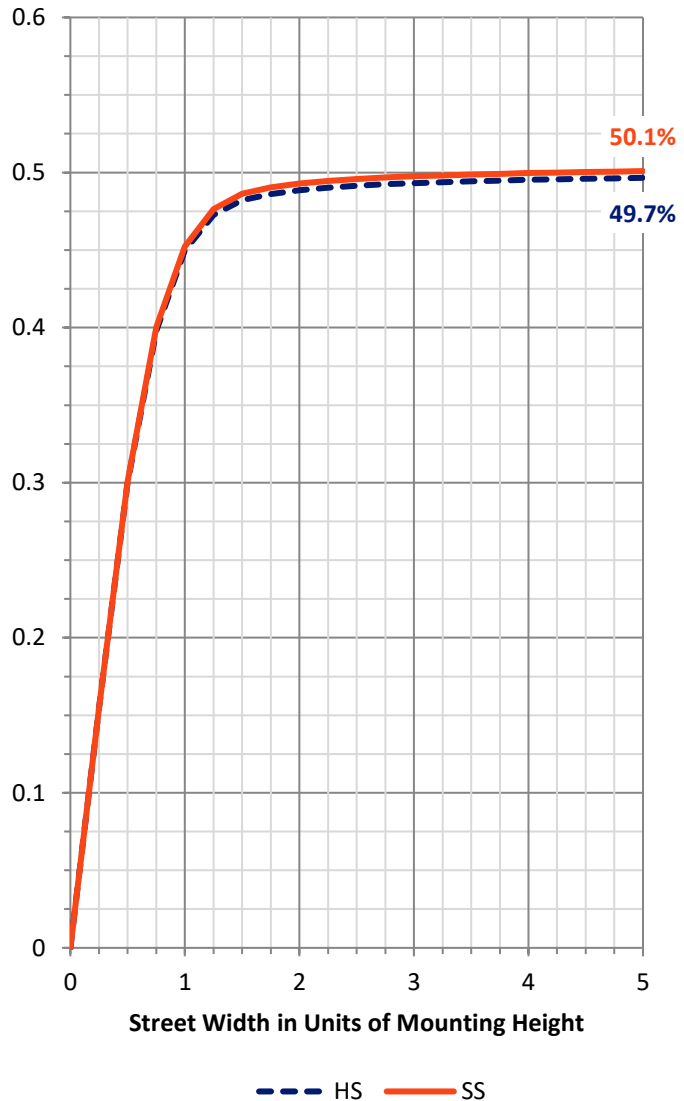
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24506.5	0.0	24506.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24506.5	0.0	24506.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	49013.0	0.0	49013.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	888.0	1.8
10°-20°	2715.3	5.5
20°-30°	4527.5	9.2
30°-40°	6226.7	12.7
40°-50°	7604.4	15.5
50°-60°	8795.4	17.9
60°-70°	10487.0	21.4
70°-80°	7319.2	14.9
80°-90°	449.5	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°	49013.0	100.0
0°-180°	49013.0	100.0

Coefficient of Utilization

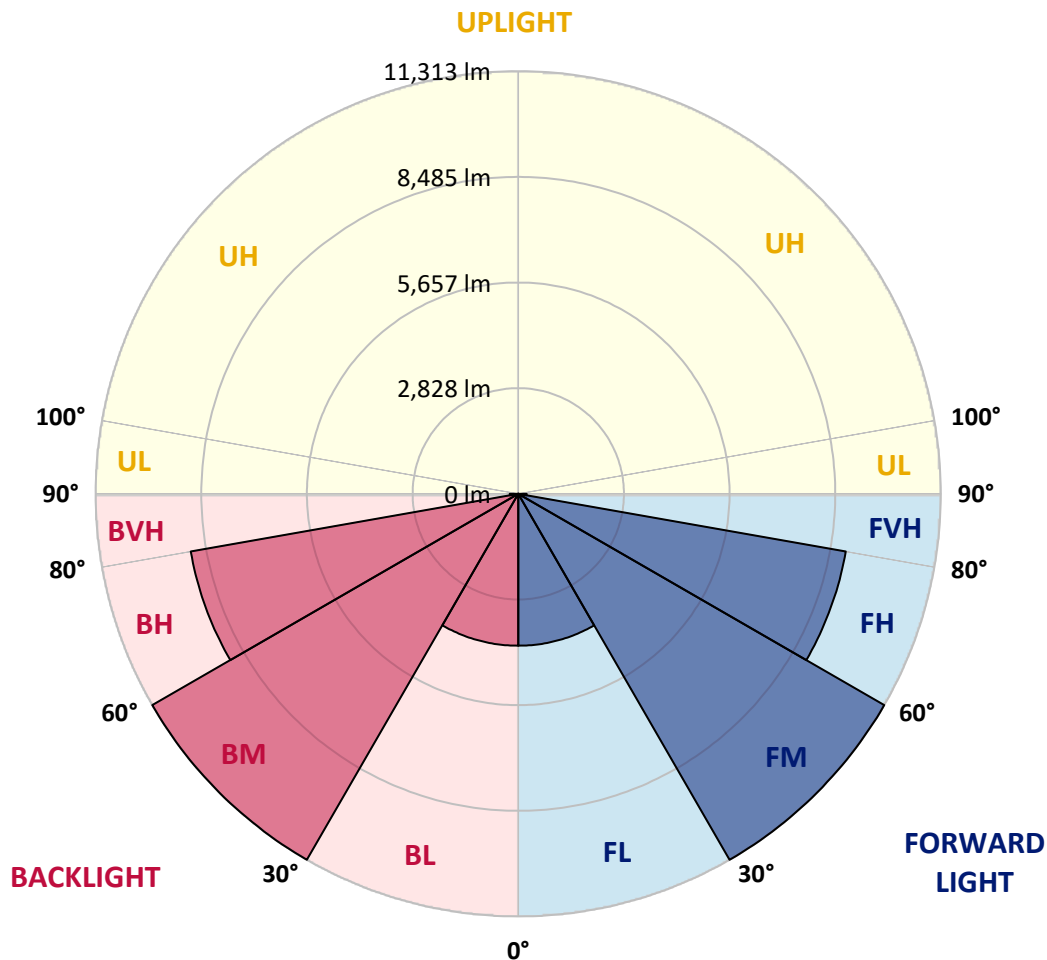


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4065.4	8.3			
FM (30°-60°)	11313.2	23.1			
FH (60°-80°)	8903.1	18.2			G4/12000
FVH (80°-90°)	224.8	0.5			G2/225
BL (0°-30°)	4065.4	8.3	B4/5000		
BM (30°-60°)	11313.2	23.1	B5		
BH (60°-80°)	8903.1	18.2	B5		G5
BVH (80°-90°)	224.8	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°	9158.6	9158.6	9158.6	9158.6	9158.6	9158.6	9158.6	9158.6	9158.6	9158.6
2.5°	9166.4	9176.8	9176.8	9169.0	9187.2	9171.6	9171.6	9163.8	9171.6	9163.8
5°	9213.3	9226.3	9231.5	9228.9	9252.4	9239.3	9239.3	9228.9	9231.5	9223.7
7.5°	9301.9	9320.1	9330.5	9343.5	9377.4	9361.8	9351.4	9320.1	9307.1	9286.2
10°	9330.5	9351.4	9385.2	9452.9	9531.1	9533.7	9502.4	9424.3	9364.4	9317.5
12.5°	9242.0	9270.6	9340.9	9479.0	9653.5	9723.8	9674.4	9544.1	9426.9	9343.5
15°	9129.9	9161.2	9268.0	9476.4	9734.3	9898.4	9893.2	9721.2	9533.7	9403.5
17.5°	8955.4	8986.7	9140.4	9432.1	9796.8	10067.7	10140.6	9963.5	9700.4	9525.9
20°	8640.2	8668.9	8882.5	9291.4	9817.6	10247.4	10437.6	10281.3	9953.1	9716.0
22.5°	8231.3	8275.6	8525.6	9049.2	9768.1	10435.0	10776.2	10669.4	10247.4	9919.2
25°	7793.7	7840.6	8132.3	8752.2	9640.5	10570.4	11177.3	11109.6	10580.8	10171.9
27.5°	7416.0	7465.5	7783.2	8457.9	9442.5	10622.5	11573.3	11607.1	10984.6	10450.6
30°	7119.0	7165.9	7504.5	8220.9	9187.2	10570.4	11919.7	12154.2	11396.1	10692.8
32.5°	6793.4	6853.3	7210.2	7931.7	8885.1	10445.4	12221.9	12745.5	11872.8	10953.3
35°	6381.8	6436.5	6811.6	7535.8	8489.2	10244.8	12474.6	13401.9	12555.3	11349.3
37.5°	5881.7	5933.8	6306.3	7040.9	8095.8	9963.5	12667.3	14141.6	13368.0	11919.7
40°	5379.0	5428.5	5777.5	6488.6	7624.3	9604.0	12735.0	14865.8	14300.5	12703.8
42.5°	4917.9	4962.2	5282.6	5944.2	7095.6	9145.6	12646.5	15496.2	15136.7	13250.8
45°	4493.3	4532.4	4816.3	5433.7	6545.9	8588.1	12380.8	16173.4	16131.7	13641.5
47.5°	4008.8	4047.9	4342.3	4938.8	5996.3	7934.3	11930.1	16840.3	17514.9	14527.2
50°	3417.5	3451.4	3753.6	4368.3	5425.9	7238.8	11305.0	17363.8	19260.1	15868.6
52.5°	2716.8	2753.3	3047.7	3662.4	4748.6	6491.2	10481.9	17705.1	21276.3	17827.5
55°	2021.4	2047.4	2302.7	2854.9	3909.9	5639.5	9450.3	17801.4	23563.3	20505.3
57.5°	1466.5	1482.2	1646.3	2057.8	2964.3	4574.1	8197.4	17551.4	26285.4	23938.4
60°	1187.8	1193.0	1242.5	1424.8	2060.4	3370.7	6684.0	16691.8	29239.3	28364.0
62.5°	1078.4	1078.4	1091.4	1140.9	1393.6	2224.5	4852.8	14910.1	32406.7	33956.6
65°	1002.9	1002.9	1008.1	1031.5	1099.2	1417.0	3063.3	12008.3	35076.7	40507.8
67.5°	935.1	937.7	935.1	942.9	982.0	1047.1	1776.5	8293.8	36514.6	47296.0
70°	864.8	870.0	857.0	857.0	888.2	890.9	1112.3	4548.0	35321.5	52984.9
72.5°	781.5	789.3	768.4	763.2	786.7	776.2	836.2	2182.9	30325.5	54683.3
75°	708.5	718.9	672.0	659.0	659.0	651.2	679.9	1120.1	19682.1	44607.8
77.5°	643.4	664.2	588.7	547.0	536.6	513.2	554.8	685.1	8609.0	20942.9
80°	531.4	560.0	484.5	435.0	416.8	390.7	437.6	479.3	2560.6	4863.2
82.5°	395.9	409.0	343.8	310.0	294.3	276.1	328.2	333.4	833.5	1721.8
85°	252.7	257.9	211.0	182.3	174.5	166.7	208.4	182.3	317.8	1265.9
87.5°	88.6	101.6	80.7	72.9	78.1	65.1	96.4	54.7	88.6	893.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

9158.6
9163.8
9223.7
9286.2
9309.7
9330.5
9382.6
9497.2
9671.7
9859.3
10088.5
10362.0
10565.2
10791.8
11169.5
11680.1
12448.5
12922.6
13198.7
14016.6
15227.9
17038.2
19518.0
22695.9
26798.5
31859.7
37856.1
44433.3
52232.1
56663.0
47712.7
20507.9
4657.4
1945.8
1839.0
1107.1
0.0

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