

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: P851154

Luminaire Tested: **GLAN-SB9A-730-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851154
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-SB9A-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 39044 lumens
Efficiency: N/A
Efficacy: 152.8 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

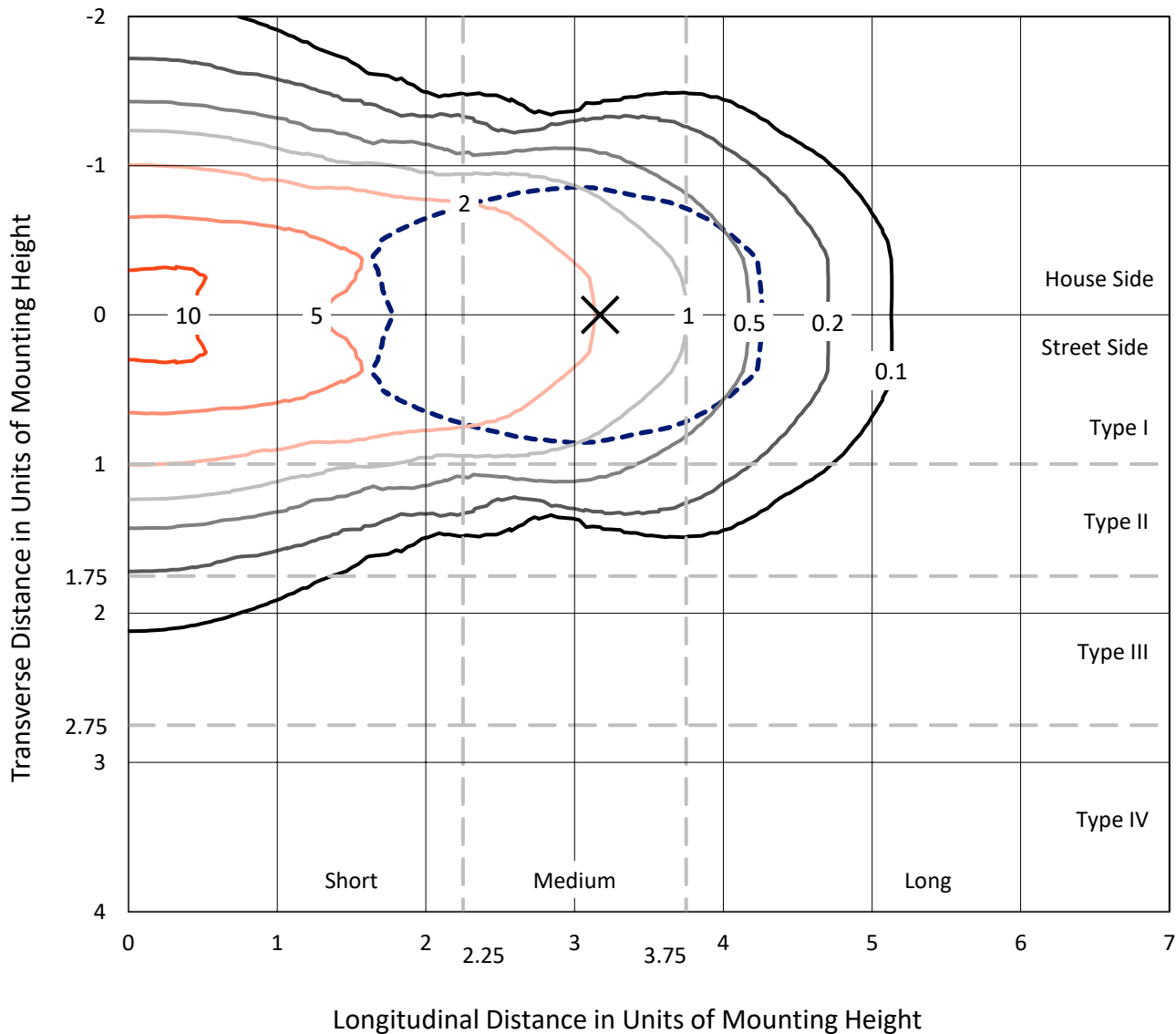
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

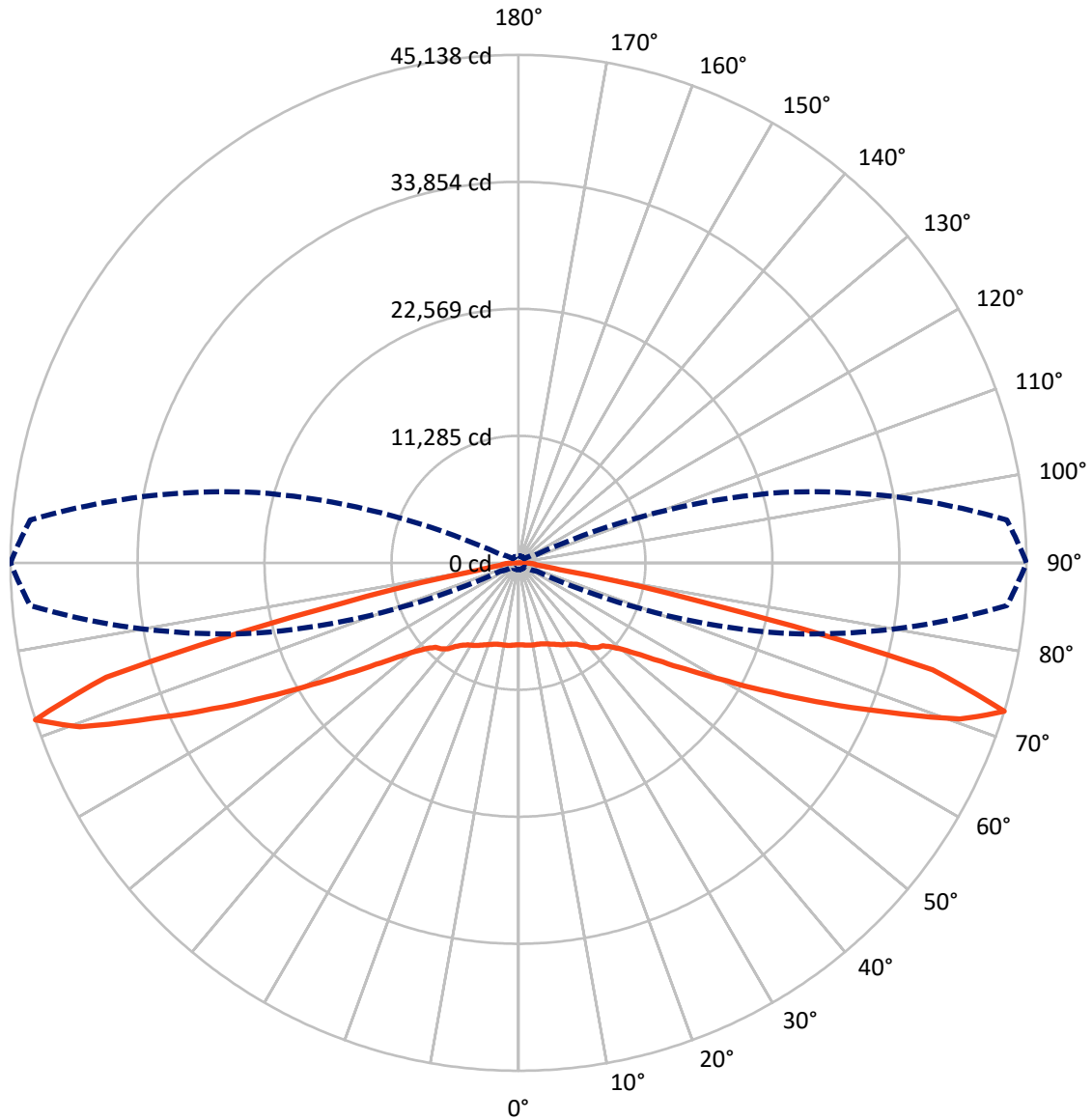
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 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	19522.0	0.0	19522.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19522.0	0.0	19522.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39044.0	0.0	39044.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	707.4	1.8
10°-20°	2163.0	5.5
20°-30°	3606.6	9.2
30°-40°	4960.2	12.7
40°-50°	6057.7	15.5
50°-60°	7006.4	17.9
60°-70°	8354.0	21.4
70°-80°	5830.6	14.9
80°-90°	358.1	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°	39044.0	100.0
0°-180°	39044.0	100.0

Coefficient of Utilization



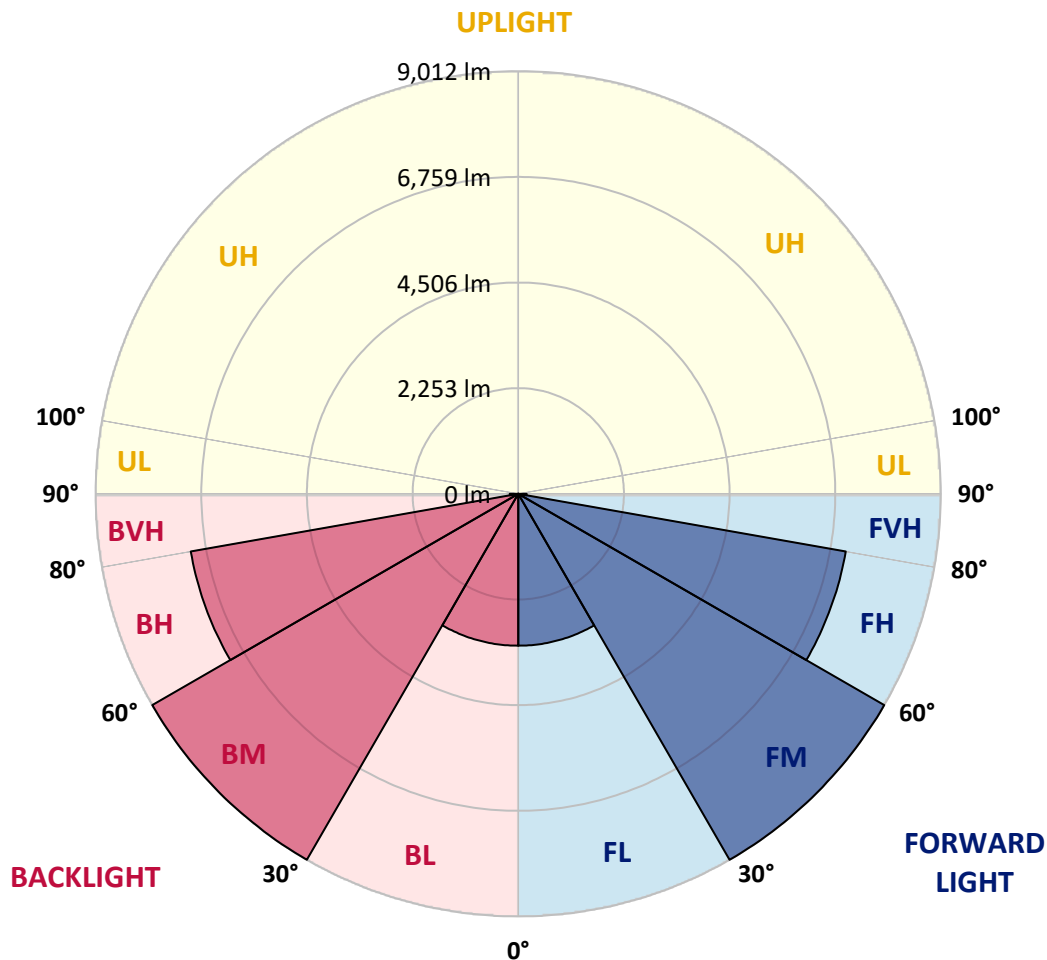
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3238.5	8.3			
FM (30°-60°)	9012.2	23.1			
FH (60°-80°)	7092.3	18.2			G3/7500
FVH (80°-90°)	179.1	0.5			G2/225
BL (0°-30°)	3238.5	8.3	B4/5000		
BM (30°-60°)	9012.2	23.1	B5		
BH (60°-80°)	7092.3	18.2	B5		G5
BVH (80°-90°)	179.1	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°	7295.8	7295.8	7295.8	7295.8	7295.8	7295.8	7295.8	7295.8	7295.8	7295.8
2.5°	7302.0	7310.3	7310.3	7304.1	7318.6	7306.2	7306.2	7299.9	7306.2	7299.9
5°	7339.4	7349.7	7353.9	7351.8	7370.5	7360.1	7360.1	7351.8	7353.9	7347.7
7.5°	7409.9	7424.4	7432.7	7443.1	7470.1	7457.6	7449.3	7424.4	7414.1	7397.5
10°	7432.7	7449.3	7476.3	7530.3	7592.5	7594.6	7569.7	7507.4	7459.7	7422.4
12.5°	7362.2	7385.0	7441.0	7551.0	7690.0	7746.1	7706.6	7602.9	7509.5	7443.1
15°	7273.0	7297.9	7382.9	7548.9	7754.4	7885.1	7880.9	7744.0	7594.6	7490.8
17.5°	7133.9	7158.8	7281.3	7513.7	7804.2	8020.0	8078.1	7937.0	7727.4	7588.4
20°	6882.9	6905.7	7075.8	7401.6	7820.8	8163.1	8314.6	8190.1	7928.7	7739.8
22.5°	6557.1	6592.4	6791.6	7208.6	7781.3	8312.5	8584.4	8499.3	8163.1	7901.7
25°	6208.5	6245.8	6478.2	6972.1	7679.7	8420.4	8903.9	8850.0	8428.7	8103.0
27.5°	5907.6	5947.0	6200.2	6737.6	7522.0	8461.9	9219.3	9246.3	8750.4	8325.0
30°	5671.0	5708.4	5978.1	6548.8	7318.6	8420.4	9495.3	9682.1	9078.2	8518.0
32.5°	5411.7	5459.4	5743.7	6318.4	7077.9	8320.8	9736.0	10153.1	9458.0	8725.5
35°	5083.8	5127.4	5426.2	6003.0	6762.5	8161.1	9937.3	10676.0	10001.6	9040.9
37.5°	4685.4	4726.9	5023.6	5608.8	6449.2	7937.0	10090.8	11265.3	10649.0	9495.3
40°	4284.9	4324.3	4602.4	5168.9	6073.6	7650.6	10144.8	11842.2	11391.9	10119.9
42.5°	3917.6	3952.9	4208.1	4735.2	5652.4	7285.4	10074.2	12344.3	12058.0	10555.6
45°	3579.4	3610.5	3836.7	4328.5	5214.5	6841.4	9862.6	12883.8	12850.6	10866.9
47.5°	3193.5	3224.6	3459.1	3934.2	4776.7	6320.5	9503.6	13415.0	13952.5	11572.4
50°	2722.4	2749.4	2990.1	3479.8	4322.3	5766.5	9005.6	13832.1	15342.7	12641.0
52.5°	2164.2	2193.3	2427.8	2917.5	3782.8	5171.0	8349.9	14103.9	16948.8	14201.5
55°	1610.2	1631.0	1834.3	2274.2	3114.6	4492.4	7528.2	14180.7	18770.7	16334.6
57.5°	1168.2	1180.7	1311.4	1639.3	2361.4	3643.7	6530.1	13981.5	20939.1	19069.5
60°	946.2	950.4	989.8	1135.0	1641.3	2685.1	5324.5	13296.8	23292.1	22594.9
62.5°	859.1	859.1	869.4	908.9	1110.1	1772.1	3865.8	11877.4	25815.4	27050.0
65°	798.9	798.9	803.0	821.7	875.7	1128.8	2440.2	9565.9	27942.3	32268.7
67.5°	744.9	747.0	744.9	751.2	782.3	834.2	1415.2	6606.9	29087.7	37676.2
70°	688.9	693.1	682.7	682.7	707.6	709.7	886.0	3623.0	28137.3	42208.1
72.5°	622.5	628.7	612.1	608.0	626.7	618.4	666.1	1738.9	24157.4	43561.0
75°	564.4	572.7	535.4	525.0	525.0	518.8	541.6	892.3	15678.9	35534.8
77.5°	512.5	529.1	469.0	435.8	427.5	408.8	442.0	545.7	6858.0	16683.2
80°	423.3	446.1	386.0	346.5	332.0	311.3	348.6	381.8	2039.7	3874.1
82.5°	315.4	325.8	273.9	246.9	234.5	220.0	261.5	265.6	664.0	1371.6
85°	201.3	205.4	168.1	145.3	139.0	132.8	166.0	145.3	253.2	1008.5
87.5°	70.6	80.9	64.3	58.1	62.3	51.9	76.8	43.6	70.6	711.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7295.8
7299.9
7347.7
7397.5
7416.1
7432.7
7474.2
7565.5
7704.6
7854.0
8036.6
8254.4
8416.3
8596.8
8897.7
9304.4
9916.5
10294.2
10514.1
11165.7
12130.6
13572.7
15548.2
18079.7
21347.8
25379.6
30156.3
35395.8
41608.4
45138.0
38008.2
16336.7
3710.1
1550.0
1465.0
881.9
0.0

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