

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: P851164

Luminaire Tested: **GLAN-SB9A-735-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851164
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-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39664 lumens
Efficiency: N/A
Efficacy: 155.2 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

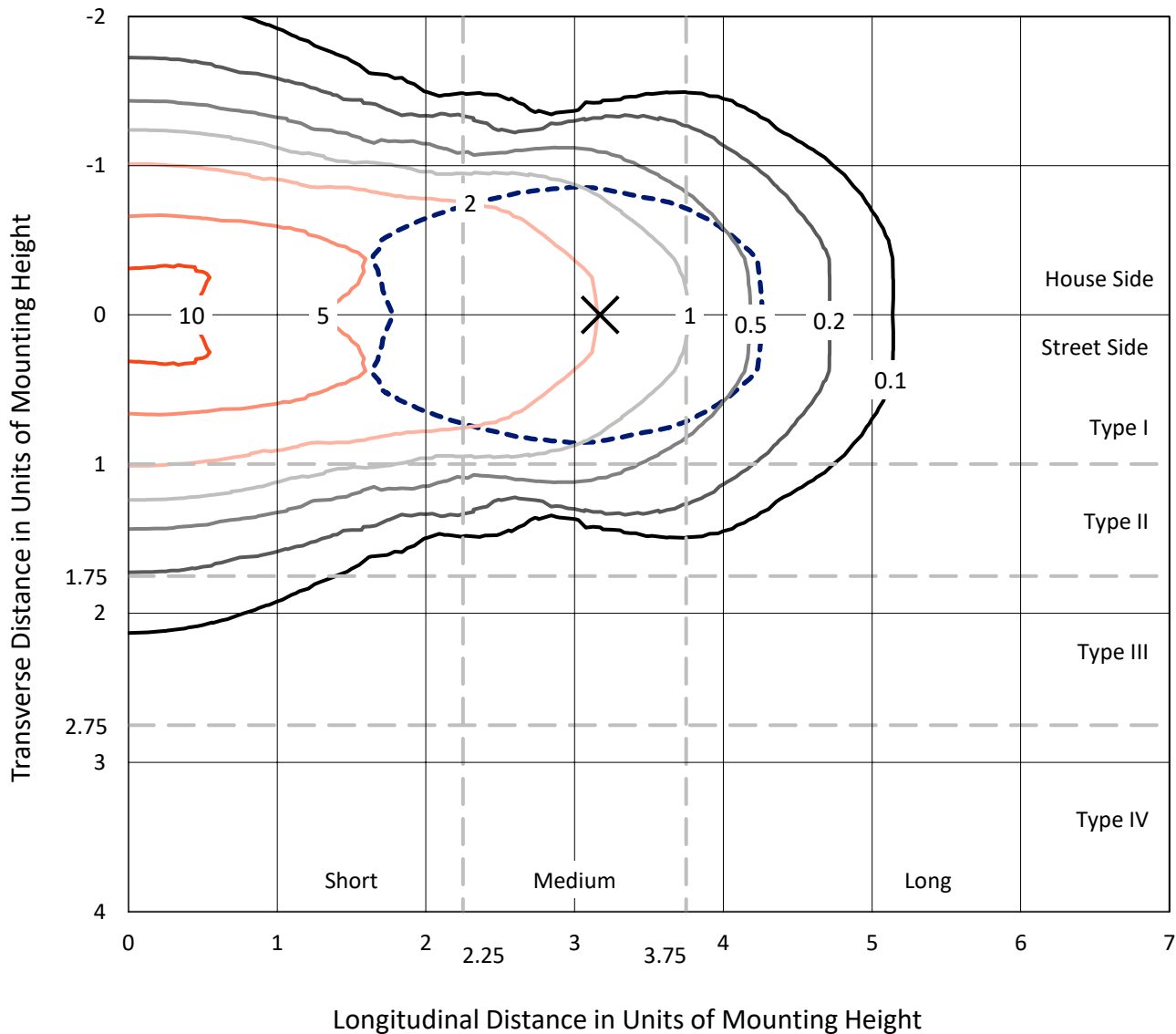
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851164
 CATALOG NUMBER: GLAN-SB9A-735-U-T1

Iso-Footcandle Lines of Horizontal Illumination

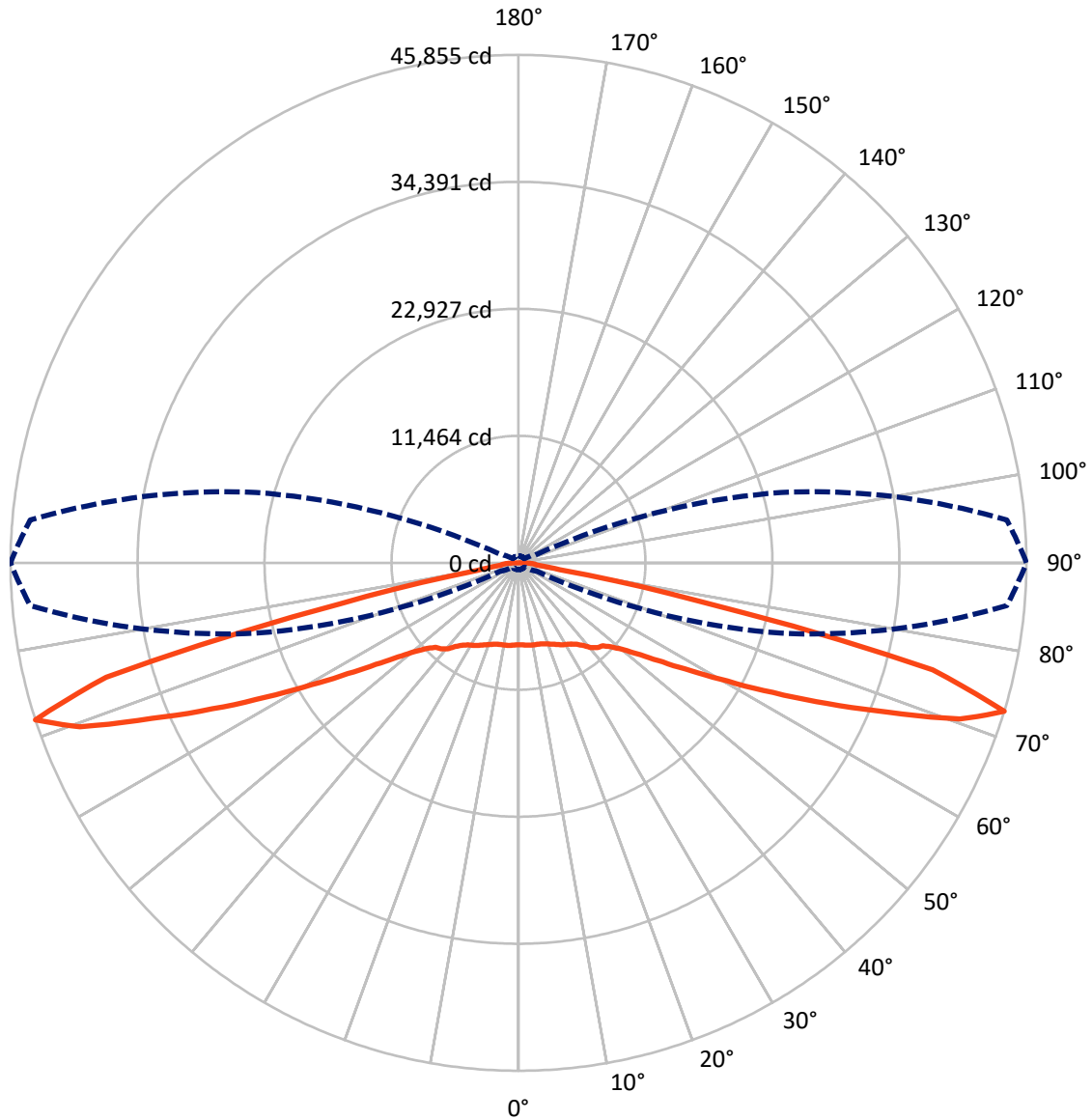
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 fc
 Type I - Short - N/A

REPORT NUMBER: P851164
CATALOG NUMBER: GLAN-SB9A-735-U-T1

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P851164
 CATALOG NUMBER: GLAN-SB9A-735-U-T1

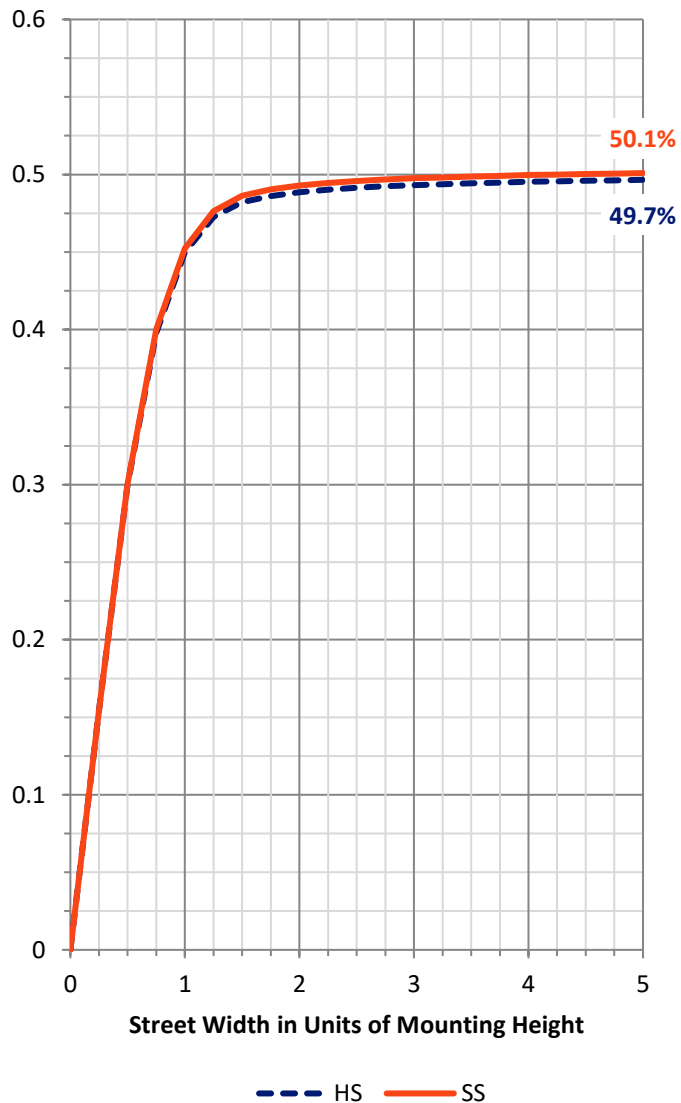
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19832.0	0.0	19832.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19832.0	0.0	19832.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39664.0	0.0	39664.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	718.6	1.8
10°-20°	2197.3	5.5
20°-30°	3663.9	9.2
30°-40°	5039.0	12.7
40°-50°	6153.9	15.5
50°-60°	7117.7	17.9
60°-70°	8486.7	21.4
70°-80°	5923.1	14.9
80°-90°	363.8	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°	39664.0	100.0
0°-180°	39664.0	100.0

Coefficient of Utilization

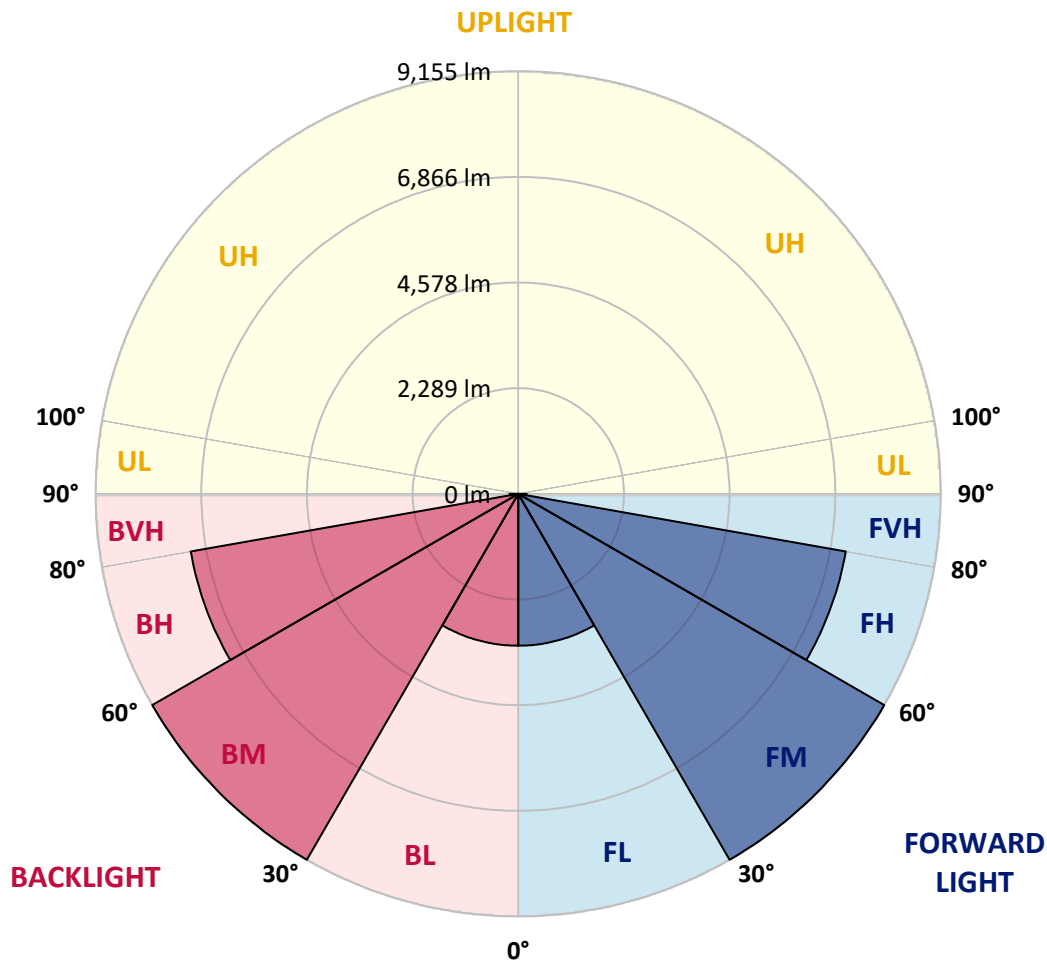


REPORT NUMBER: P851164
 CATALOG NUMBER: GLAN-SB9A-735-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3289.9	8.3			
FM (30°-60°)	9155.3	23.1			
FH (60°-80°)	7204.9	18.2			G3/7500
FVH (80°-90°)	181.9	0.5			G2/225
BL (0°-30°)	3289.9	8.3	B4/5000		
BM (30°-60°)	9155.3	23.1	B5		
BH (60°-80°)	7204.9	18.2	B5		G5
BVH (80°-90°)	181.9	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



REPORT NUMBER: P851164
 CATALOG NUMBER: GLAN-SB9A-735-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7411.6	7411.6	7411.6	7411.6	7411.6	7411.6	7411.6	7411.6	7411.6	7411.6
2.5°	7418.0	7426.4	7426.4	7420.1	7434.8	7422.2	7422.2	7415.9	7422.2	7415.9
5°	7455.9	7466.4	7470.7	7468.6	7487.5	7477.0	7477.0	7468.6	7470.7	7464.3
7.5°	7527.6	7542.3	7550.8	7561.3	7588.7	7576.1	7567.6	7542.3	7531.8	7514.9
10°	7550.8	7567.6	7595.0	7649.8	7713.1	7715.2	7689.9	7626.7	7578.2	7540.2
12.5°	7479.1	7502.3	7559.2	7670.9	7812.2	7869.1	7829.0	7723.6	7628.8	7561.3
15°	7388.4	7413.7	7500.2	7668.8	7877.5	8010.3	8006.1	7867.0	7715.2	7609.8
17.5°	7247.2	7272.5	7396.9	7633.0	7928.1	8147.3	8206.3	8063.0	7850.1	7708.9
20°	6992.2	7015.3	7188.2	7519.1	7945.0	8292.8	8446.7	8320.2	8054.6	7862.7
22.5°	6661.2	6697.0	6899.4	7323.1	7904.9	8444.5	8720.7	8634.3	8292.8	8027.2
25°	6307.1	6345.0	6581.1	7082.8	7801.6	8554.2	9045.3	8990.5	8562.6	8231.6
27.5°	6001.4	6041.5	6298.6	6844.6	7641.4	8596.3	9365.7	9393.1	8889.3	8457.2
30°	5761.1	5799.0	6073.1	6652.8	7434.8	8554.2	9646.1	9835.8	9222.4	8653.2
32.5°	5497.6	5546.1	5834.9	6418.8	7190.3	8453.0	9890.6	10314.3	9608.1	8864.0
35°	5164.5	5208.8	5512.4	6098.4	6869.9	8290.7	10095.1	10845.5	10160.4	9184.4
37.5°	4759.8	4802.0	5103.4	5697.9	6551.6	8063.0	10251.1	11444.2	10818.1	9646.1
40°	4353.0	4393.0	4675.5	5251.0	6170.0	7772.1	10305.9	12030.2	11572.8	10280.6
42.5°	3979.9	4015.7	4275.0	4810.4	5742.1	7401.1	10234.2	12540.3	12249.4	10723.3
45°	3636.3	3667.9	3897.6	4397.2	5297.3	6950.0	10019.2	13088.4	13054.7	11039.5
47.5°	3244.2	3275.8	3514.0	3996.7	4852.6	6420.9	9654.5	13628.1	14174.0	11756.2
50°	2765.7	2793.1	3037.6	3535.1	4390.9	5858.1	9148.6	14051.8	15586.4	12841.8
52.5°	2198.6	2228.1	2466.3	2963.8	3842.8	5253.1	8482.5	14327.9	17217.9	14427.0
55°	1635.8	1656.9	1863.4	2310.3	3164.1	4563.8	7647.7	14405.9	19068.7	16594.0
57.5°	1186.8	1199.4	1332.2	1665.3	2398.9	3701.6	6633.8	14203.5	21271.6	19372.3
60°	961.2	965.5	1005.5	1153.1	1667.4	2727.7	5409.1	13507.9	23662.0	22953.7
62.5°	872.7	872.7	883.2	923.3	1127.8	1800.2	3927.2	12066.0	26225.3	27479.6
65°	811.6	811.6	815.8	834.8	889.6	1146.7	2479.0	9717.8	28386.0	32781.1
67.5°	756.8	758.9	756.8	763.1	794.7	847.4	1437.6	6711.8	29549.6	38274.5
70°	699.8	704.1	693.5	693.5	718.8	720.9	900.1	3680.5	28584.1	42878.3
72.5°	632.4	638.7	621.9	617.6	636.6	628.2	676.7	1766.5	24541.0	44252.7
75°	573.4	581.8	543.9	533.3	533.3	527.0	550.2	906.4	15927.9	36099.1
77.5°	520.7	537.5	476.4	442.7	434.2	415.3	449.0	554.4	6966.9	16948.1
80°	430.0	453.2	392.1	352.0	337.3	316.2	354.1	387.9	2072.1	3935.6
82.5°	320.4	331.0	278.3	250.8	238.2	223.4	265.6	269.8	674.6	1393.4
85°	204.5	208.7	170.7	147.6	141.2	134.9	168.6	147.6	257.2	1024.5
87.5°	71.7	82.2	65.3	59.0	63.2	52.7	78.0	44.3	71.7	723.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7411.6
7415.9
7464.3
7514.9
7533.9
7550.8
7592.9
7685.7
7826.9
7978.7
8164.2
8385.5
8549.9
8733.3
9039.0
9452.2
10074.0
10457.7
10681.1
11343.0
12323.2
13788.3
15795.1
18366.8
21686.8
25782.6
30635.2
35957.8
42269.1
45854.8
38611.8
16596.1
3769.1
1574.7
1488.2
895.9
0.0

OF REPORT)