

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: P851144

Luminaire Tested: **GLAN-SB9A-727-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851144
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-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35945 lumens
Efficiency: N/A
Efficacy: 140.7 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

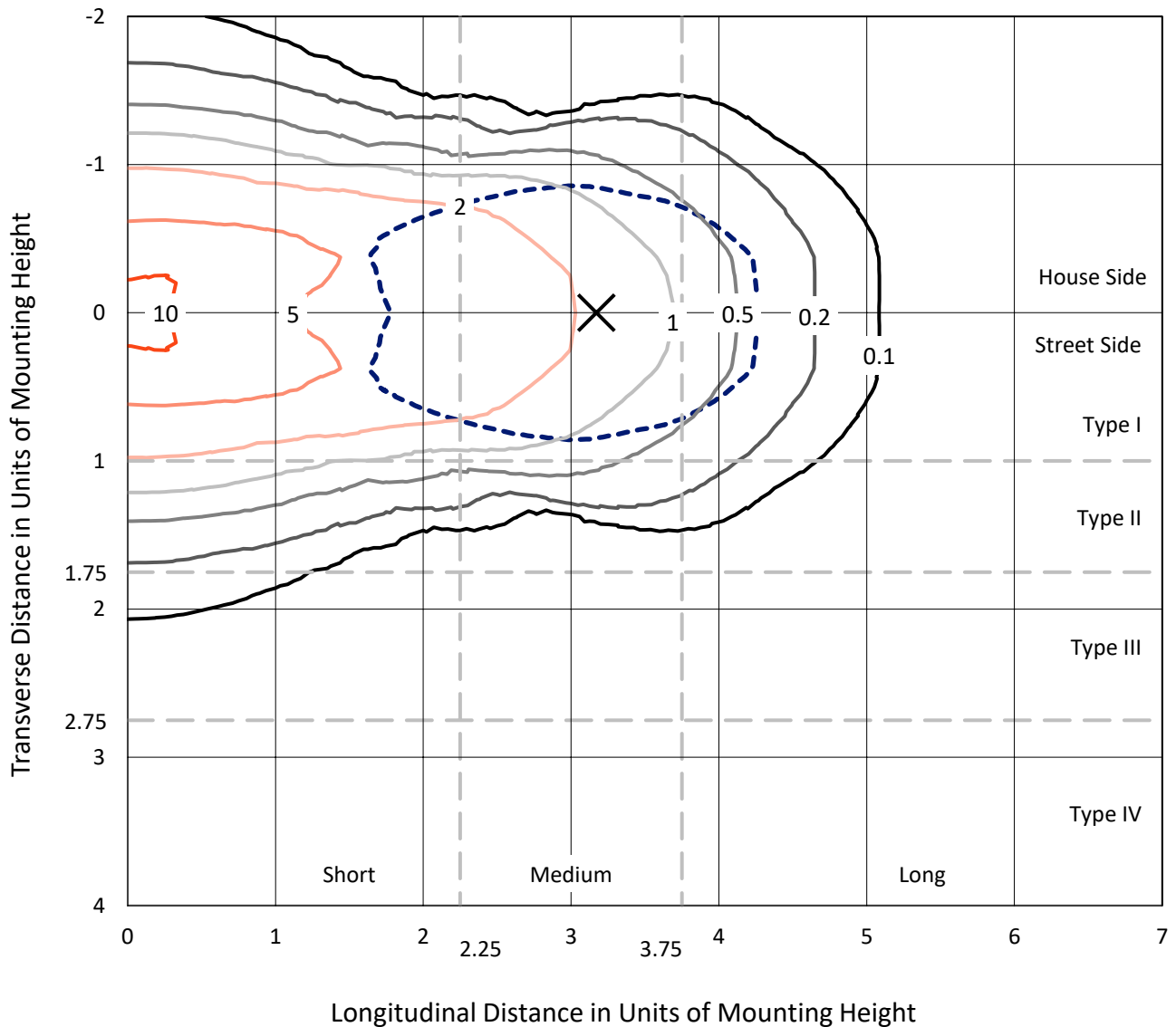
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

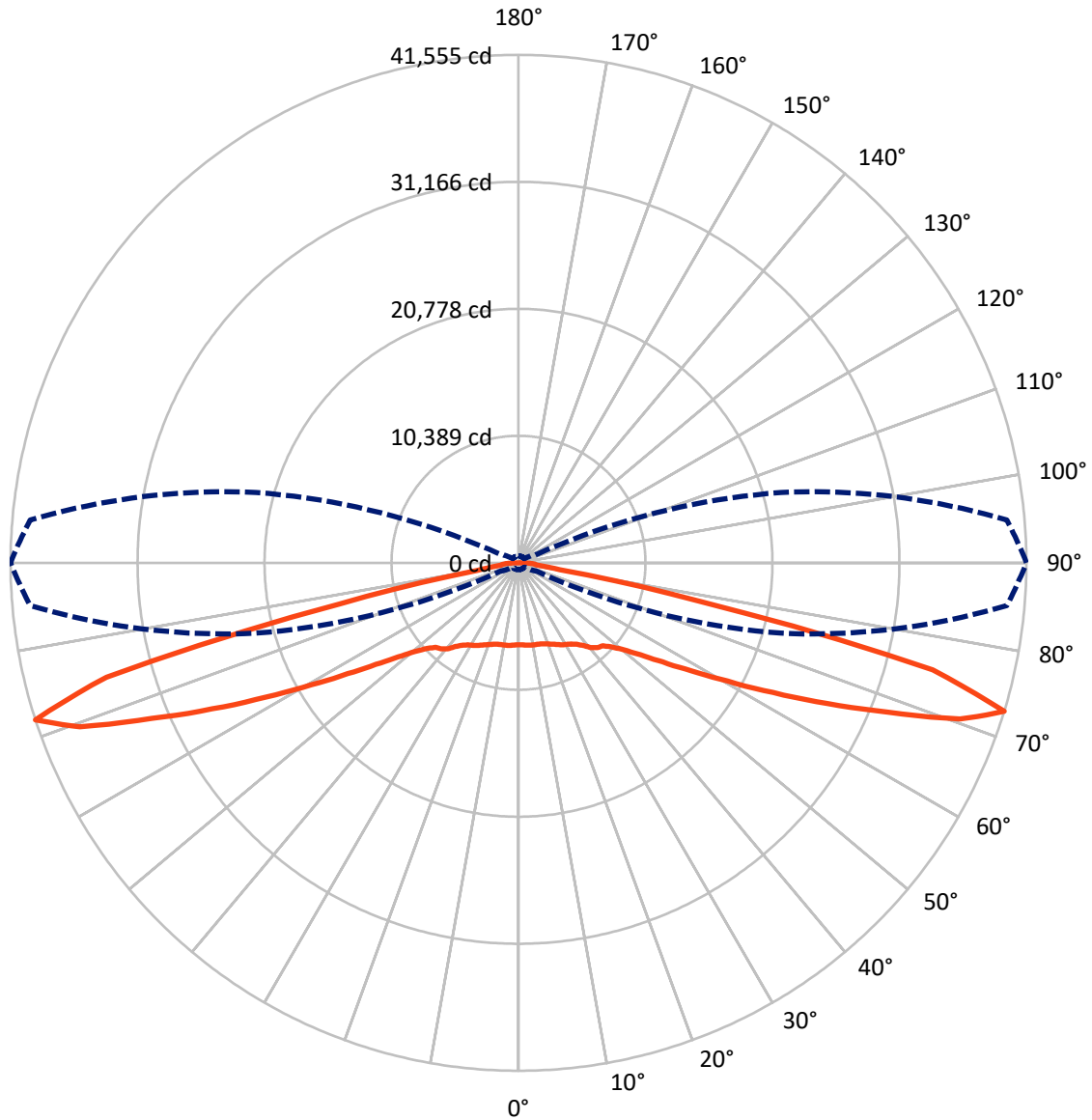
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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	17972.5	0.0	17972.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17972.5	0.0	17972.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35945.0	0.0	35945.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	651.3	1.8
10°-20°	1991.3	5.5
20°-30°	3320.3	9.2
30°-40°	4566.5	12.7
40°-50°	5576.9	15.5
50°-60°	6450.3	17.9
60°-70°	7690.9	21.4
70°-80°	5367.8	14.9
80°-90°	329.7	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°	35945.0	100.0
0°-180°	35945.0	100.0

Coefficient of Utilization

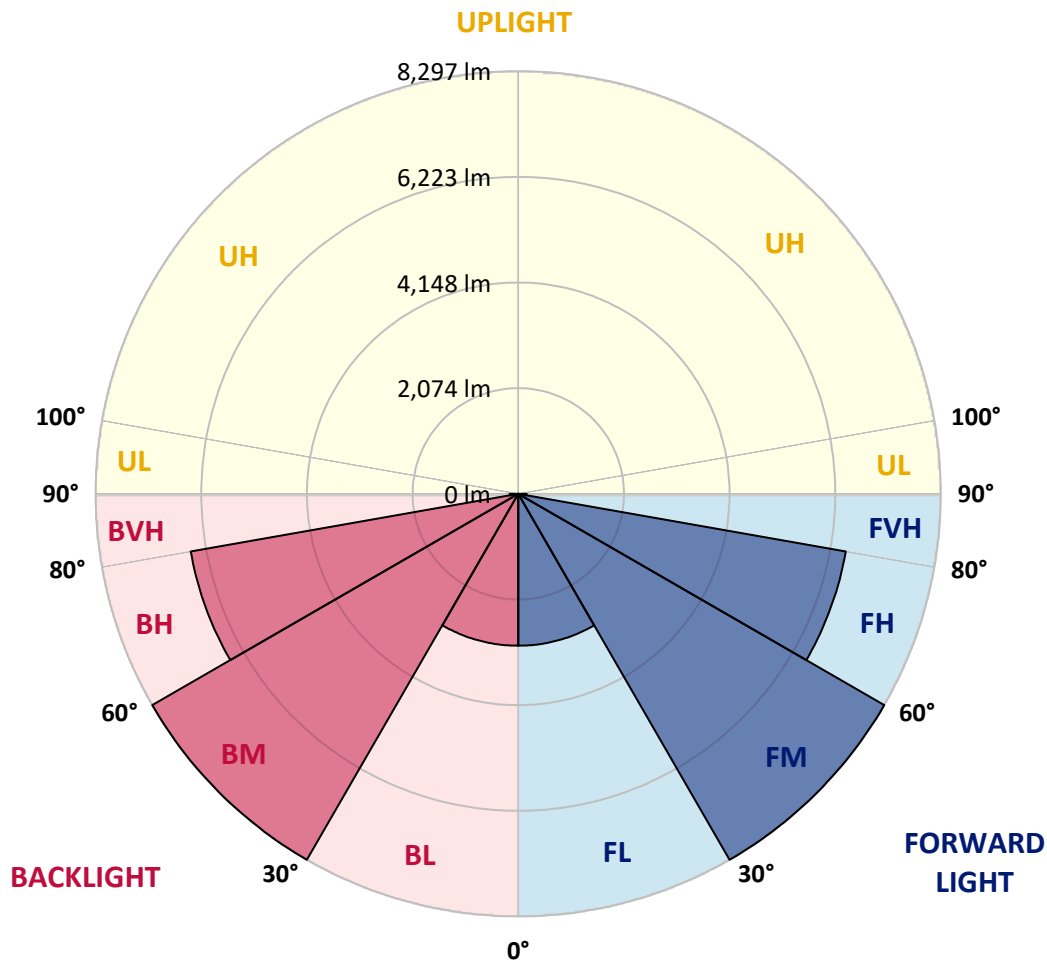


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2981.5	8.3			
FM (30°-60°)	8296.9	23.1			
FH (60°-80°)	6529.3	18.2			G3/7500
FVH (80°-90°)	164.8	0.5			G2/225
BL (0°-30°)	2981.5	8.3	B4/5000		
BM (30°-60°)	8296.9	23.1	B4/8500		
BH (60°-80°)	6529.3	18.2	B5		G5
BVH (80°-90°)	164.8	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°	6716.7	6716.7	6716.7	6716.7	6716.7	6716.7	6716.7	6716.7	6716.7	6716.7
2.5°	6722.4	6730.1	6730.1	6724.3	6737.7	6726.3	6726.3	6720.5	6726.3	6720.5
5°	6756.8	6766.4	6770.2	6768.3	6785.5	6775.9	6775.9	6768.3	6770.2	6764.5
7.5°	6821.8	6835.1	6842.8	6852.3	6877.2	6865.7	6858.1	6835.1	6825.6	6810.3
10°	6842.8	6858.1	6882.9	6932.6	6989.9	6991.8	6968.9	6911.6	6867.6	6833.2
12.5°	6777.8	6798.8	6850.4	6951.7	7079.7	7131.2	7094.9	6999.4	6913.5	6852.3
15°	6695.7	6718.6	6796.9	6949.8	7138.9	7259.2	7255.4	7129.3	6991.8	6896.3
17.5°	6567.7	6590.6	6703.3	6917.3	7184.7	7383.4	7436.9	7307.0	7114.1	6986.1
20°	6336.5	6357.6	6514.2	6814.1	7200.0	7515.2	7654.7	7540.1	7299.4	7125.5
22.5°	6036.6	6069.1	6252.5	6636.5	7163.7	7652.8	7903.0	7824.7	7515.2	7274.5
25°	5715.7	5750.1	5964.0	6418.7	7070.1	7752.1	8197.2	8147.5	7759.7	7459.8
27.5°	5438.7	5475.0	5708.1	6202.8	6924.9	7790.3	8487.6	8512.4	8055.8	7664.2
30°	5220.9	5255.3	5503.6	6029.0	6737.7	7752.1	8741.6	8913.6	8357.7	7841.9
32.5°	4982.1	5026.1	5287.8	5816.9	6516.1	7660.4	8963.2	9347.2	8707.3	8032.9
35°	4680.3	4720.4	4995.5	5526.6	6225.7	7513.3	9148.5	9828.6	9207.8	8323.3
37.5°	4313.5	4351.7	4624.9	5163.6	5937.3	7307.0	9289.9	10371.2	9803.8	8741.6
40°	3944.8	3981.1	4237.1	4758.6	5591.5	7043.4	9339.6	10902.2	10487.7	9316.7
42.5°	3606.7	3639.2	3874.1	4359.4	5203.7	6707.2	9274.6	11364.5	11100.9	9717.8
45°	3295.3	3324.0	3532.2	3984.9	4800.6	6298.3	9079.8	11861.2	11830.6	10004.4
47.5°	2940.0	2968.6	3184.5	3622.0	4397.6	5818.8	8749.3	12350.3	12845.0	10653.9
50°	2506.3	2531.2	2752.8	3203.6	3979.2	5308.8	8290.8	12734.2	14124.9	11637.7
52.5°	1992.5	2019.2	2235.1	2685.9	3482.5	4760.5	7687.1	12984.5	15603.5	13074.3
55°	1482.4	1501.5	1688.7	2093.7	2867.4	4135.9	6930.7	13055.2	17280.8	15038.1
57.5°	1075.5	1087.0	1207.3	1509.2	2173.9	3354.5	6011.8	12871.8	19277.1	17555.9
60°	871.1	874.9	911.2	1044.9	1511.1	2472.0	4901.9	12241.4	21443.4	20801.5
62.5°	790.9	790.9	800.4	836.7	1022.0	1631.4	3558.9	10934.7	23766.4	24903.0
65°	735.5	735.5	739.3	756.5	806.2	1039.2	2246.5	8806.6	25724.4	29707.5
67.5°	685.8	687.7	685.8	691.5	720.2	768.0	1302.8	6082.5	26778.9	34685.8
70°	634.2	638.0	628.5	628.5	651.4	653.3	815.7	3335.4	25904.0	38857.9
72.5°	573.1	578.8	563.5	559.7	576.9	569.3	613.2	1600.9	22240.0	40103.5
75°	519.6	527.2	492.9	483.3	483.3	477.6	498.6	821.4	14434.4	32714.3
77.5°	471.9	487.1	431.7	401.2	393.5	376.3	406.9	502.4	6313.6	15359.0
80°	389.7	410.7	355.3	319.0	305.7	286.5	320.9	351.5	1877.8	3566.6
82.5°	290.4	299.9	252.2	227.3	215.9	202.5	240.7	244.5	611.3	1262.7
85°	185.3	189.1	154.7	133.7	128.0	122.3	152.8	133.7	233.1	928.4
87.5°	65.0	74.5	59.2	53.5	57.3	47.8	70.7	40.1	65.0	655.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6716.7
6720.5
6764.5
6810.3
6827.5
6842.8
6881.0
6965.0
7093.0
7230.6
7398.7
7599.3
7748.3
7914.5
8191.5
8565.9
9129.4
9477.1
9679.6
10279.5
11167.8
12495.4
14314.1
16644.7
19653.4
23365.2
27762.8
32586.3
38305.8
41555.3
34991.4
15040.0
3415.7
1427.0
1348.7
811.9
0.0

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