

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: P845704

Luminaire Tested: **GLAN-SB1A-727-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845704
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-SB1A-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3948 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

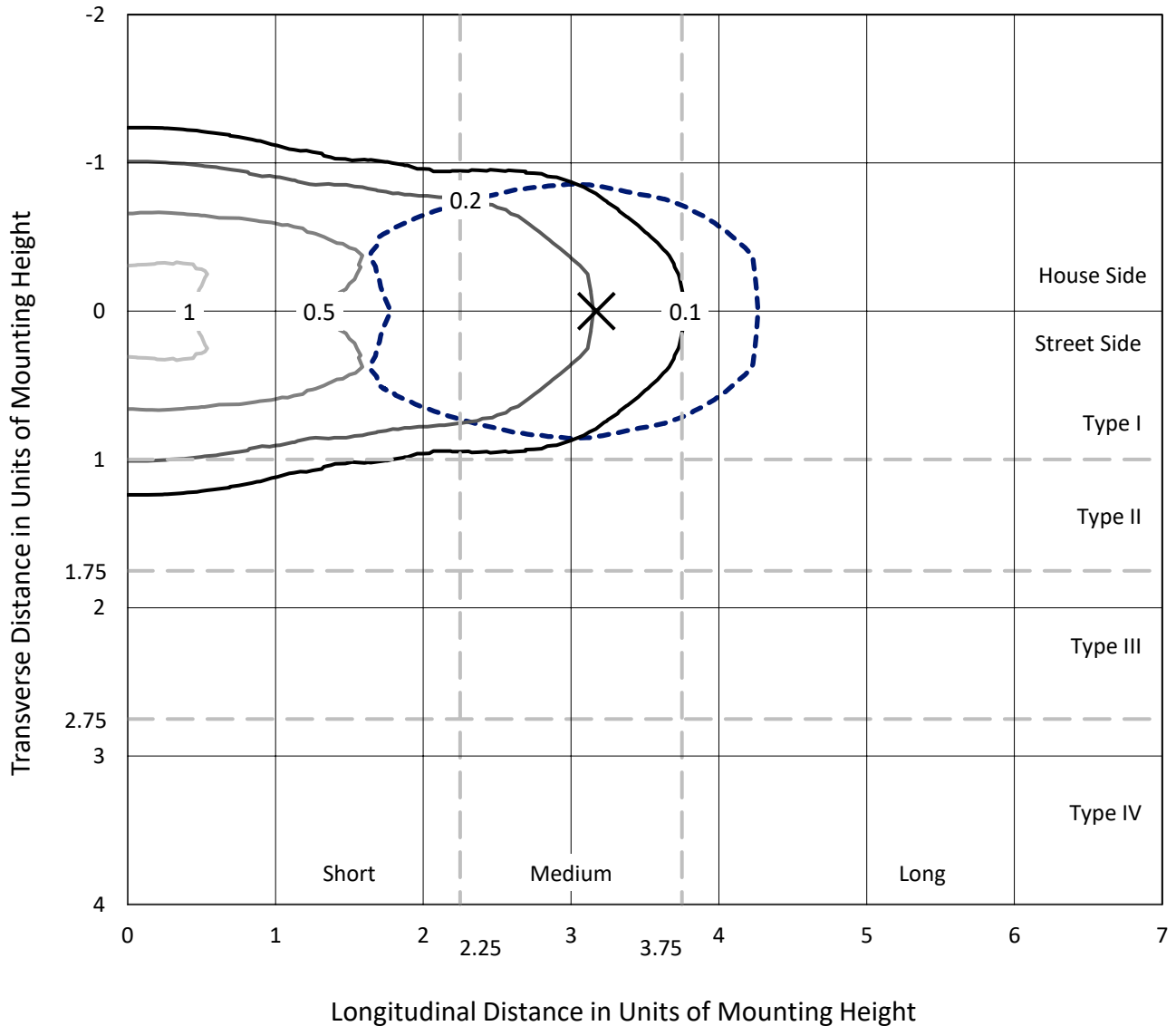
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

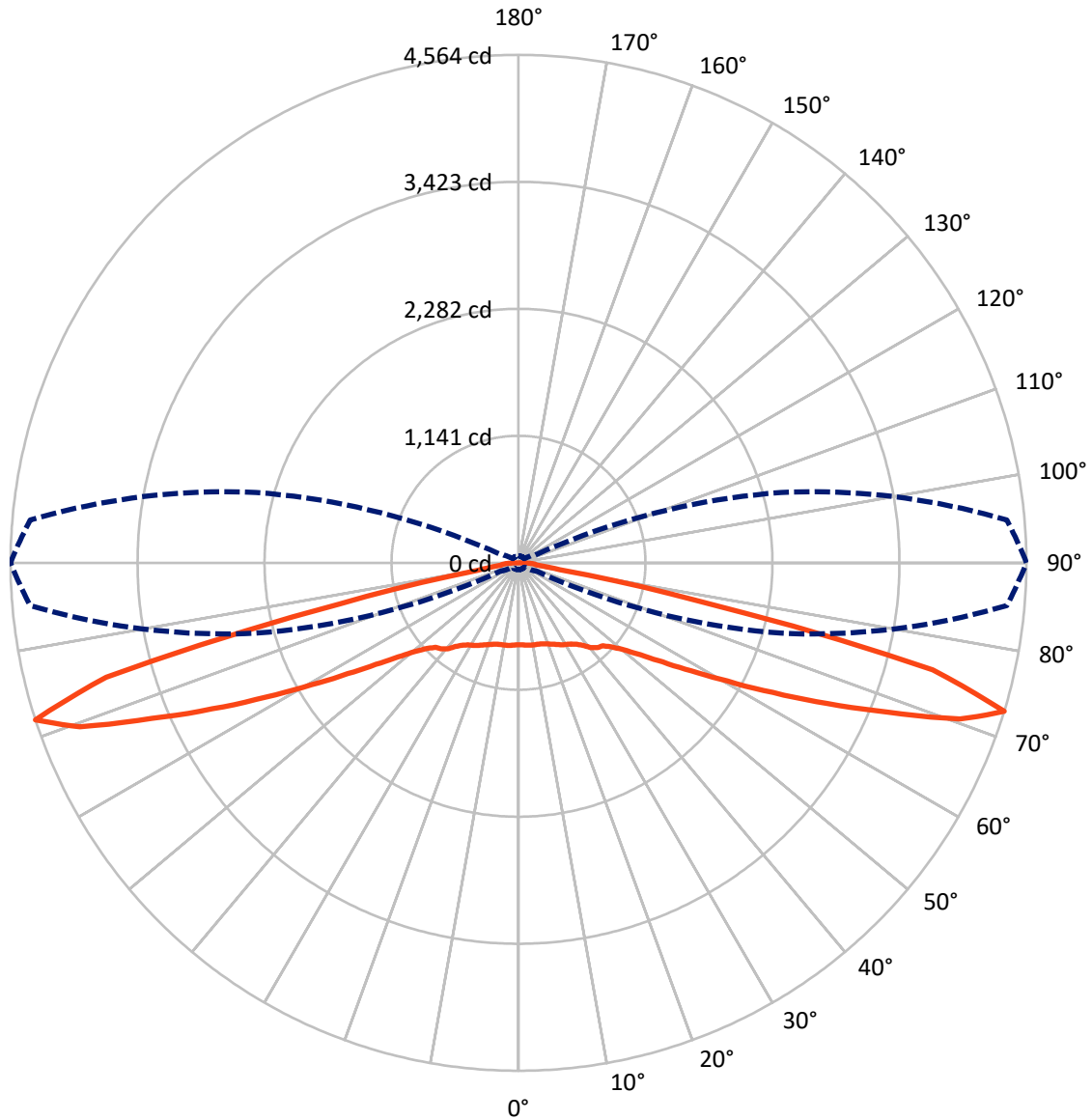
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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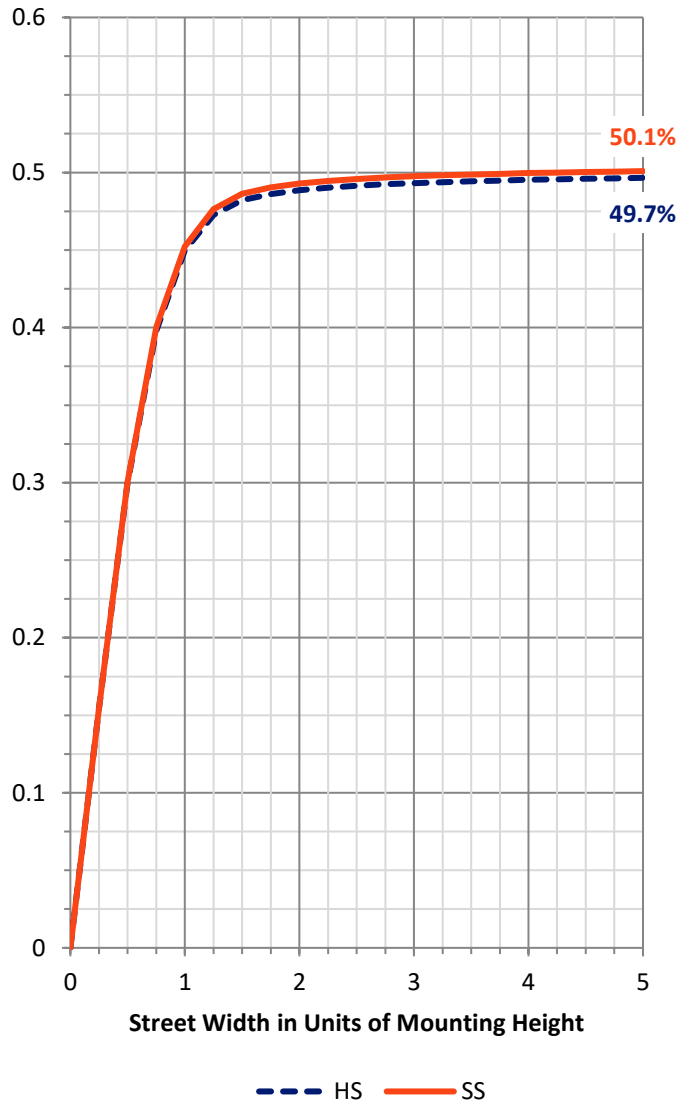
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1974.0	0.0	1974.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1974.0	0.0	1974.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3948.0	0.0	3948.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	1.8
10°-20°	218.7	5.5
20°-30°	364.7	9.2
30°-40°	501.6	12.7
40°-50°	612.5	15.5
50°-60°	708.5	17.9
60°-70°	844.7	21.4
70°-80°	589.6	14.9
80°-90°	36.2	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°	3948.0	100.0
0°-180°	3948.0	100.0

Coefficient of Utilization



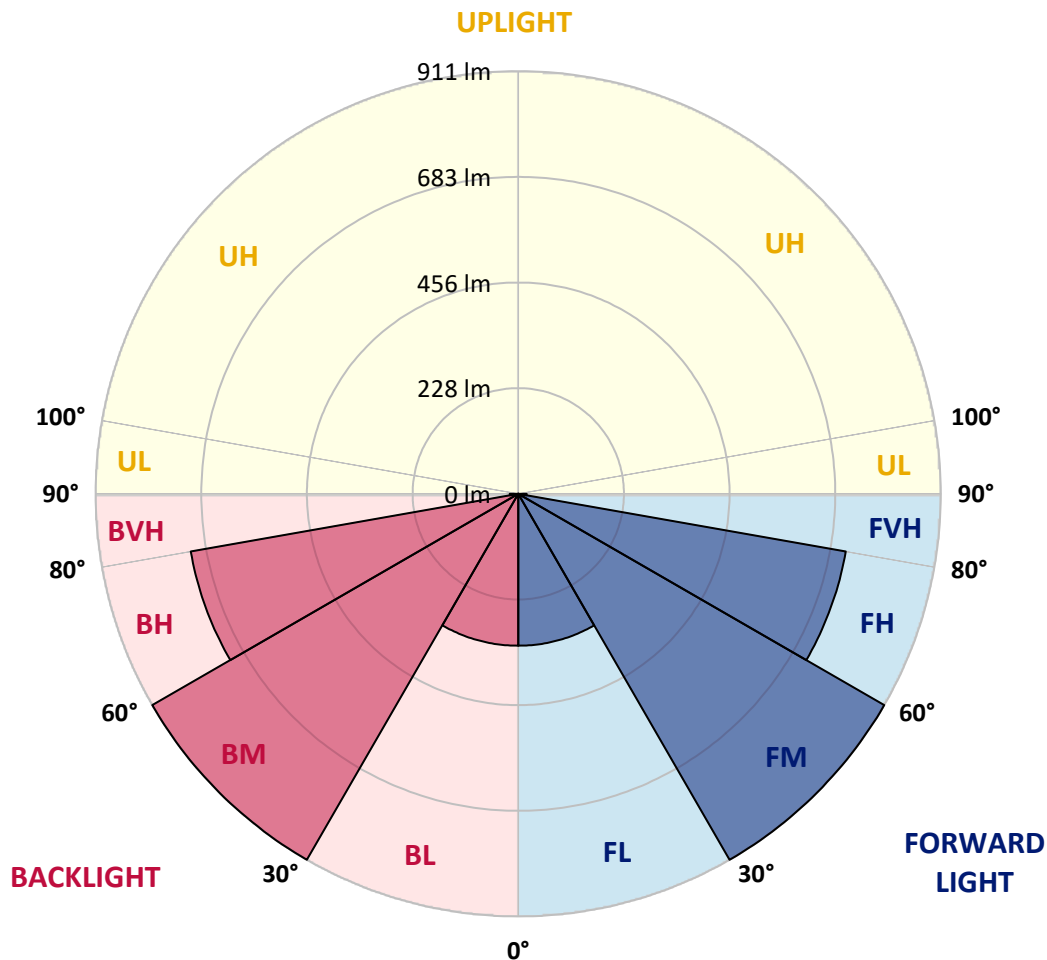
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	327.5	8.3			
FM (30°-60°)	911.3	23.1			
FH (60°-80°)	717.1	18.2			G1/1800
FVH (80°-90°)	18.1	0.5			G1/100
BL (0°-30°)	327.5	8.3	B1/500		
BM (30°-60°)	911.3	23.1	B1/1000		
BH (60°-80°)	717.1	18.2	B2/1000		G2/1000
BVH (80°-90°)	18.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	737.7	737.7	737.7	737.7	737.7	737.7	737.7	737.7	737.7	737.7
2.5°	738.4	739.2	739.2	738.6	740.0	738.8	738.8	738.1	738.8	738.1
5°	742.1	743.2	743.6	743.4	745.3	744.2	744.2	743.4	743.6	743.0
7.5°	749.3	750.7	751.6	752.6	755.4	754.1	753.3	750.7	749.7	748.0
10°	751.6	753.3	756.0	761.4	767.7	767.9	765.4	759.1	754.3	750.5
12.5°	744.4	746.7	752.4	763.5	777.6	783.3	779.3	768.8	759.3	752.6
15°	735.4	737.9	746.5	763.3	784.1	797.3	796.9	783.0	767.9	757.4
17.5°	721.4	723.9	736.3	759.8	789.1	811.0	816.8	802.6	781.4	767.3
20°	696.0	698.3	715.5	748.4	790.8	825.4	840.7	828.2	801.7	782.6
22.5°	663.0	666.6	686.7	728.9	786.8	840.5	868.0	859.4	825.4	799.0
25°	627.8	631.6	655.1	705.0	776.5	851.4	900.3	894.9	852.3	819.3
27.5°	597.4	601.3	626.9	681.3	760.6	855.6	932.2	935.0	884.8	841.8
30°	573.4	577.2	604.5	662.2	740.0	851.4	960.1	979.0	918.0	861.3
32.5°	547.2	552.0	580.8	638.9	715.7	841.4	984.5	1026.6	956.4	882.3
35°	514.1	518.5	548.7	607.0	683.8	825.2	1004.8	1079.5	1011.3	914.2
37.5°	473.8	478.0	508.0	567.1	652.1	802.6	1020.4	1139.1	1076.8	960.1
40°	433.3	437.3	465.4	522.7	614.1	773.6	1025.8	1197.4	1151.9	1023.3
42.5°	396.1	399.7	425.5	478.8	571.5	736.7	1018.7	1248.2	1219.3	1067.4
45°	361.9	365.1	388.0	437.7	527.3	691.8	997.3	1302.8	1299.4	1098.8
47.5°	322.9	326.1	349.8	397.8	483.0	639.1	961.0	1356.5	1410.8	1170.2
50°	275.3	278.0	302.3	351.9	437.1	583.1	910.6	1398.7	1551.4	1278.2
52.5°	218.8	221.8	245.5	295.0	382.5	522.9	844.3	1426.1	1713.8	1436.0
55°	162.8	164.9	185.5	230.0	314.9	454.3	761.2	1433.9	1898.0	1651.7
57.5°	118.1	119.4	132.6	165.8	238.8	368.4	660.3	1413.8	2117.3	1928.2
60°	95.7	96.1	100.1	114.8	166.0	271.5	538.4	1344.5	2355.2	2284.7
62.5°	86.9	86.9	87.9	91.9	112.3	179.2	390.9	1201.0	2610.4	2735.2
65°	80.8	80.8	81.2	83.1	88.5	114.1	246.7	967.3	2825.4	3262.9
67.5°	75.3	75.5	75.3	76.0	79.1	84.3	143.1	668.1	2941.3	3809.7
70°	69.7	70.1	69.0	69.0	71.5	71.8	89.6	366.3	2845.2	4267.9
72.5°	62.9	63.6	61.9	61.5	63.4	62.5	67.4	175.8	2442.7	4404.7
75°	57.1	57.9	54.1	53.1	53.1	52.5	54.8	90.2	1585.4	3593.2
77.5°	51.8	53.5	47.4	44.1	43.2	41.3	44.7	55.2	693.5	1686.9
80°	42.8	45.1	39.0	35.0	33.6	31.5	35.2	38.6	206.3	391.7
82.5°	31.9	32.9	27.7	25.0	23.7	22.2	26.4	26.9	67.1	138.7
85°	20.4	20.8	17.0	14.7	14.1	13.4	16.8	14.7	25.6	102.0
87.5°	7.1	8.2	6.5	5.9	6.3	5.2	7.8	4.4	7.1	72.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

737.7
738.1
743.0
748.0
749.9
751.6
755.8
765.0
779.1
794.2
812.6
834.7
851.0
869.3
899.7
940.8
1002.7
1040.9
1063.2
1129.0
1226.6
1372.4
1572.2
1828.2
2158.6
2566.3
3049.3
3579.1
4207.3
4564.2
3843.3
1651.9
375.2
156.7
148.1
89.2
0.0

OF REPORT)