

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: P845874

Luminaire Tested: **GLAN-SB1B-727-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845874
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-SB1B-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4956 lumens
Efficiency: N/A
Efficacy: 124.5 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

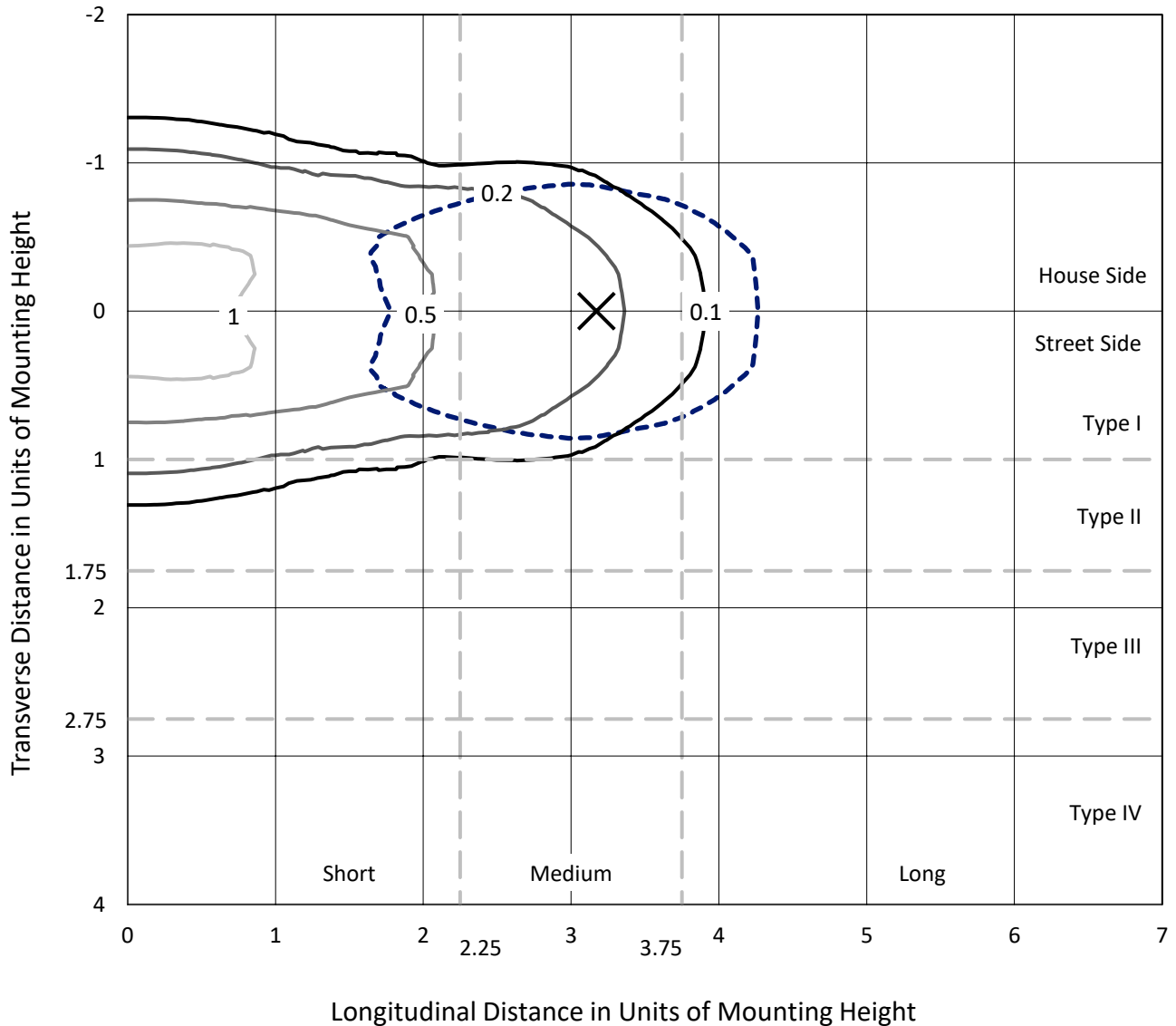
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

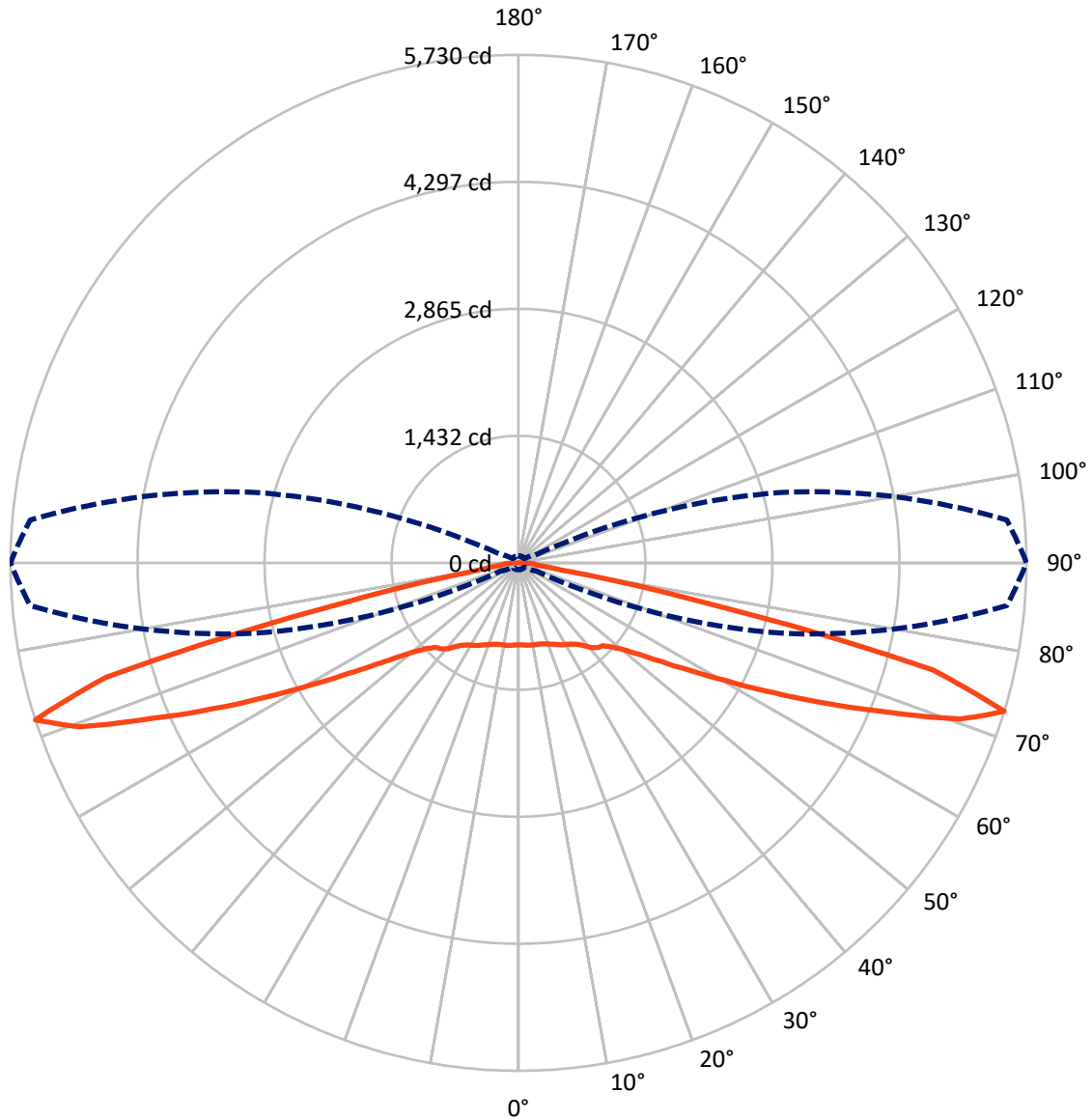
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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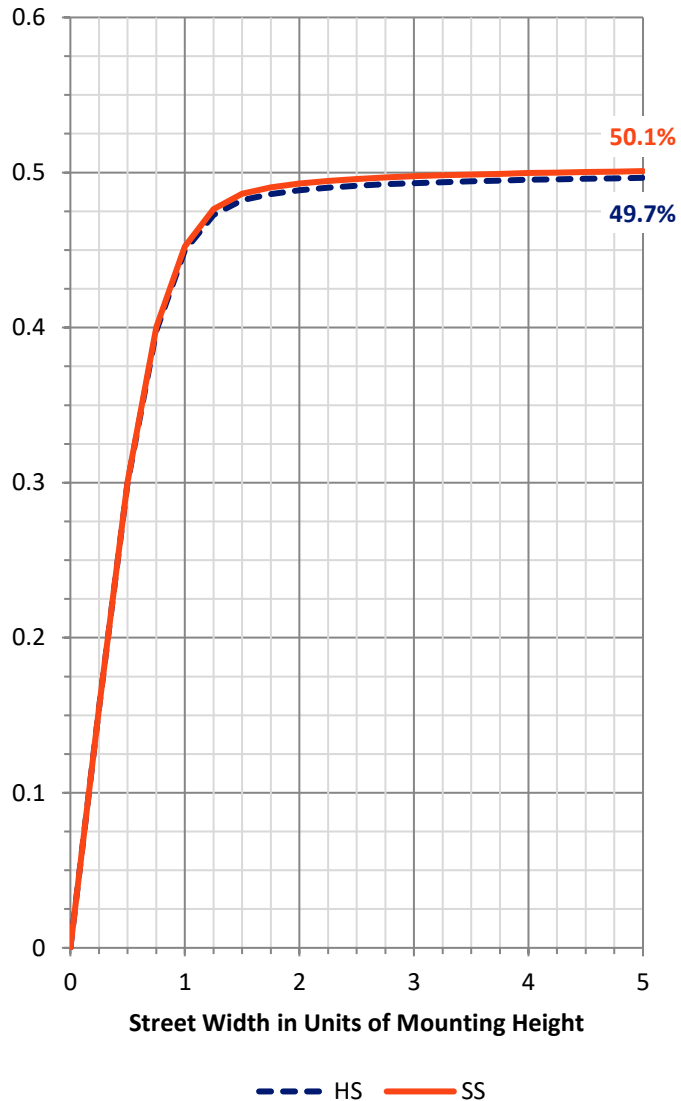
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2478.0	0.0	2478.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2478.0	0.0	2478.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4956.0	0.0	4956.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.8	1.8
10°-20°	274.6	5.5
20°-30°	457.8	9.2
30°-40°	629.6	12.7
40°-50°	768.9	15.5
50°-60°	889.4	17.9
60°-70°	1060.4	21.4
70°-80°	740.1	14.9
80°-90°	45.5	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°	4956.0	100.0
0°-180°	4956.0	100.0

Coefficient of Utilization



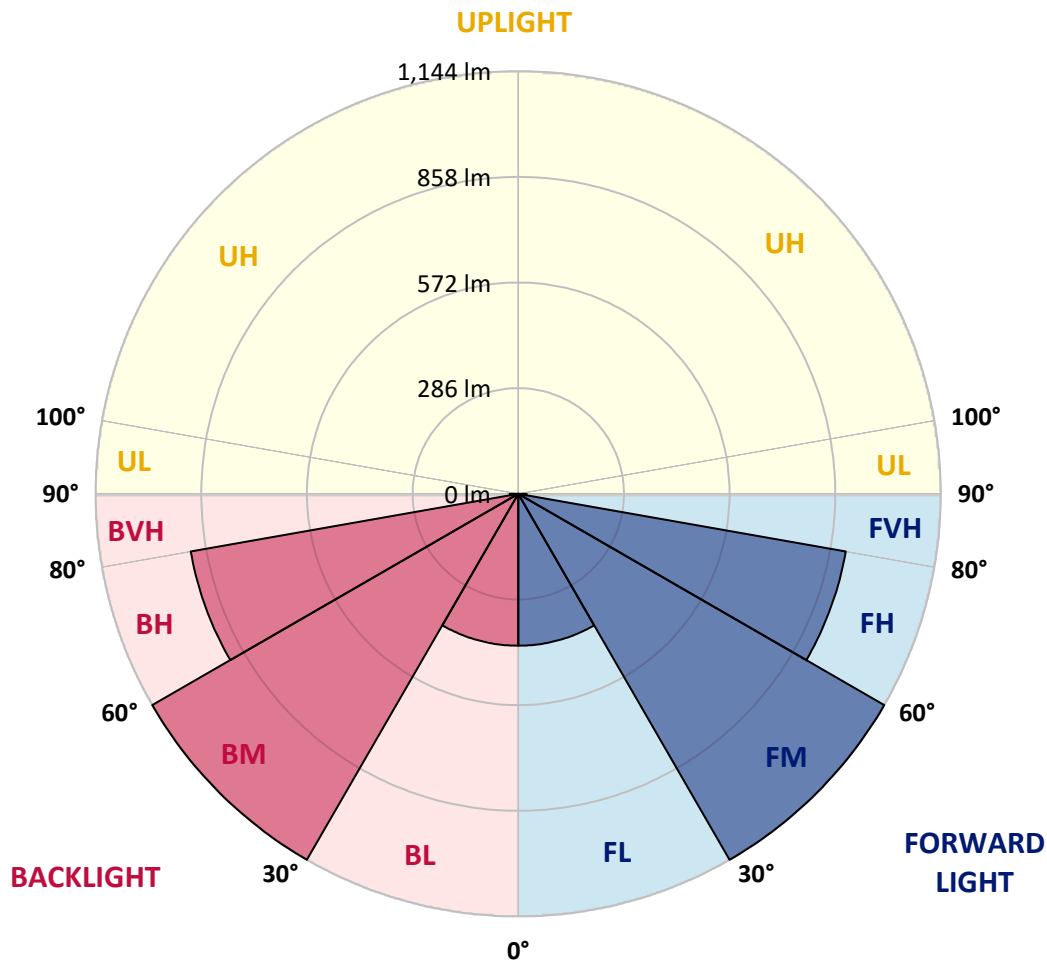
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	411.1	8.3			
FM (30°-60°)	1143.9	23.1			
FH (60°-80°)	900.2	18.2			G1/1800
FVH (80°-90°)	22.7	0.5			G1/100
BL (0°-30°)	411.1	8.3	B1/500		
BM (30°-60°)	1143.9	23.1	B2/2500		
BH (60°-80°)	900.2	18.2	B2/1000		G2/1000
BVH (80°-90°)	22.7	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°	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1
2.5°	926.9	927.9	927.9	927.1	929.0	927.4	927.4	926.6	927.4	926.6
5°	931.6	932.9	933.5	933.2	935.6	934.2	934.2	933.2	933.5	932.7
7.5°	940.6	942.4	943.5	944.8	948.2	946.6	945.6	942.4	941.1	939.0
10°	943.5	945.6	949.0	955.8	963.7	964.0	960.8	952.9	946.9	942.1
12.5°	934.5	937.4	944.5	958.5	976.1	983.2	978.2	965.1	953.2	944.8
15°	923.2	926.3	937.1	958.2	984.3	1000.9	1000.4	983.0	964.0	950.8
17.5°	905.5	908.7	924.2	953.7	990.6	1018.0	1025.4	1007.5	980.9	963.2
20°	873.7	876.6	898.2	939.5	992.7	1036.2	1055.4	1039.6	1006.4	982.4
22.5°	832.3	836.8	862.1	915.0	987.7	1055.1	1089.6	1078.8	1036.2	1003.0
25°	788.1	792.8	822.3	885.0	974.8	1068.8	1130.2	1123.4	1069.9	1028.5
27.5°	749.9	754.9	787.0	855.2	954.8	1074.1	1170.2	1173.7	1110.7	1056.7
30°	719.8	724.6	758.8	831.3	929.0	1068.8	1205.3	1229.0	1152.3	1081.2
32.5°	686.9	693.0	729.1	802.0	898.4	1056.2	1235.8	1288.8	1200.5	1107.6
35°	645.3	650.8	688.8	762.0	858.4	1035.9	1261.4	1355.1	1269.5	1147.6
37.5°	594.7	600.0	637.7	711.9	818.6	1007.5	1280.9	1429.9	1351.7	1205.3
40°	543.9	548.9	584.2	656.1	770.9	971.1	1287.7	1503.2	1446.0	1284.6
42.5°	497.3	501.8	534.2	601.1	717.5	924.8	1278.8	1566.9	1530.6	1339.9
45°	454.3	458.3	487.0	549.4	661.9	868.4	1251.9	1635.4	1631.2	1379.4
47.5°	405.4	409.3	439.1	499.4	606.3	802.3	1206.3	1702.8	1771.0	1468.9
50°	345.6	349.0	379.5	441.7	548.6	732.0	1143.1	1755.8	1947.5	1604.6
52.5°	274.7	278.4	308.2	370.3	480.2	656.4	1059.9	1790.3	2151.4	1802.6
55°	204.4	207.0	232.8	288.7	395.3	570.2	955.6	1800.0	2382.6	2073.4
57.5°	148.3	149.9	166.5	208.1	299.7	462.5	828.9	1774.7	2657.9	2420.6
60°	120.1	120.6	125.6	144.1	208.3	340.8	675.9	1687.8	2956.6	2868.1
62.5°	109.0	109.0	110.4	115.4	140.9	224.9	490.7	1507.6	3276.8	3433.6
65°	101.4	101.4	101.9	104.3	111.2	143.3	309.7	1214.2	3546.8	4096.0
67.5°	94.6	94.8	94.6	95.3	99.3	105.9	179.6	838.6	3692.2	4782.4
70°	87.4	88.0	86.7	86.7	89.8	90.1	112.5	459.9	3571.6	5357.6
72.5°	79.0	79.8	77.7	77.2	79.5	78.5	84.5	220.7	3066.4	5529.4
75°	71.6	72.7	68.0	66.6	66.6	65.8	68.7	113.3	1990.2	4510.6
77.5°	65.1	67.2	59.5	55.3	54.3	51.9	56.1	69.3	870.5	2117.7
80°	53.7	56.6	49.0	44.0	42.1	39.5	44.2	48.5	258.9	491.8
82.5°	40.0	41.4	34.8	31.3	29.8	27.9	33.2	33.7	84.3	174.1
85°	25.5	26.1	21.3	18.4	17.6	16.9	21.1	18.4	32.1	128.0
87.5°	9.0	10.3	8.2	7.4	7.9	6.6	9.7	5.5	9.0	90.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

926.1
926.6
932.7
939.0
941.4
943.5
948.7
960.3
978.0
996.9
1020.1
1047.8
1068.3
1091.2
1129.4
1181.0
1258.7
1306.7
1334.6
1417.3
1539.8
1722.8
1973.6
2294.9
2709.8
3221.5
3827.9
4492.9
5281.5
5729.5
4824.5
2073.7
470.9
196.8
186.0
111.9
0.0

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