

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: P846152

Luminaire Tested: **GLAN-SB1C-927-U-SL4-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846152
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-927-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3368 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

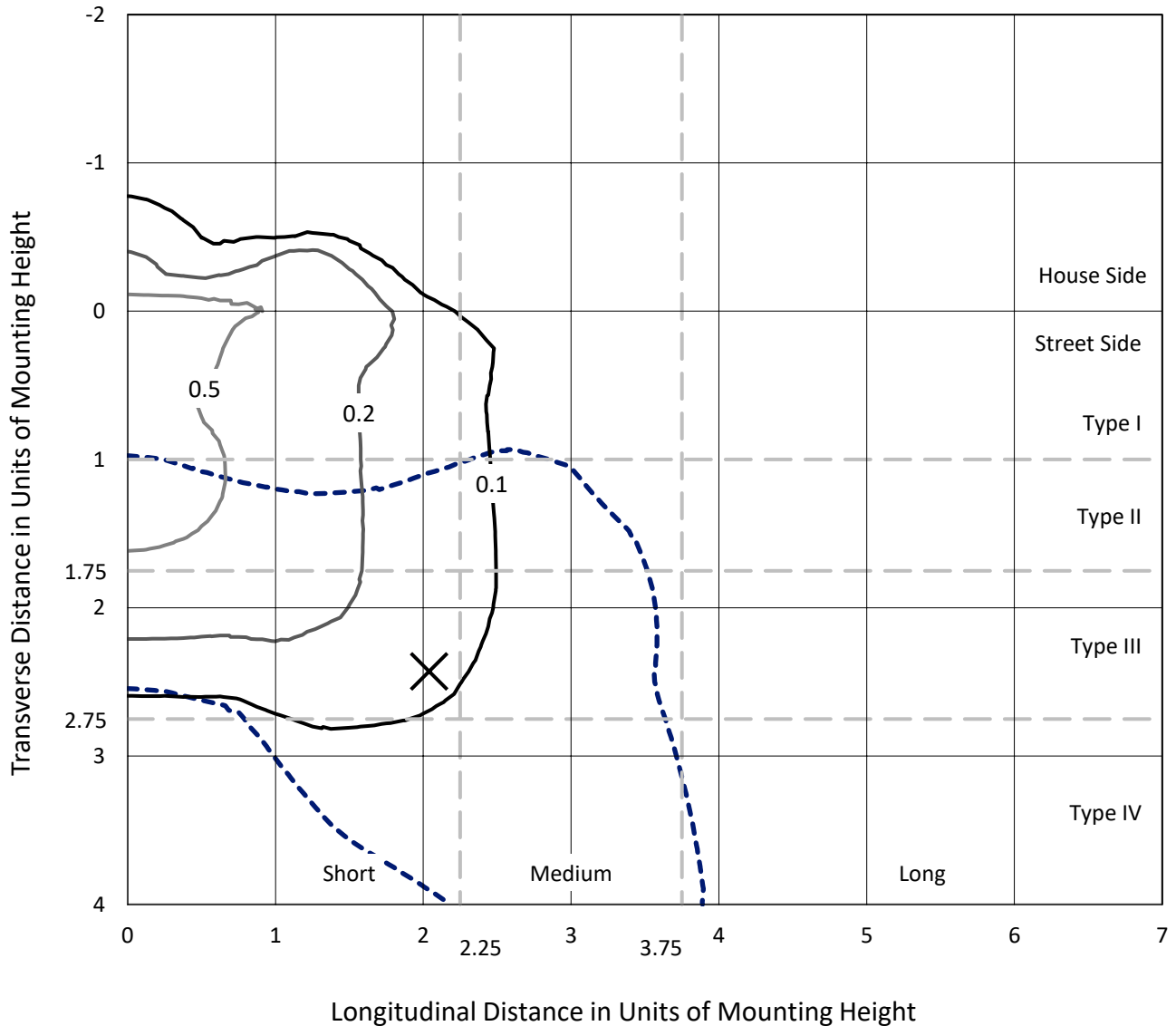
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

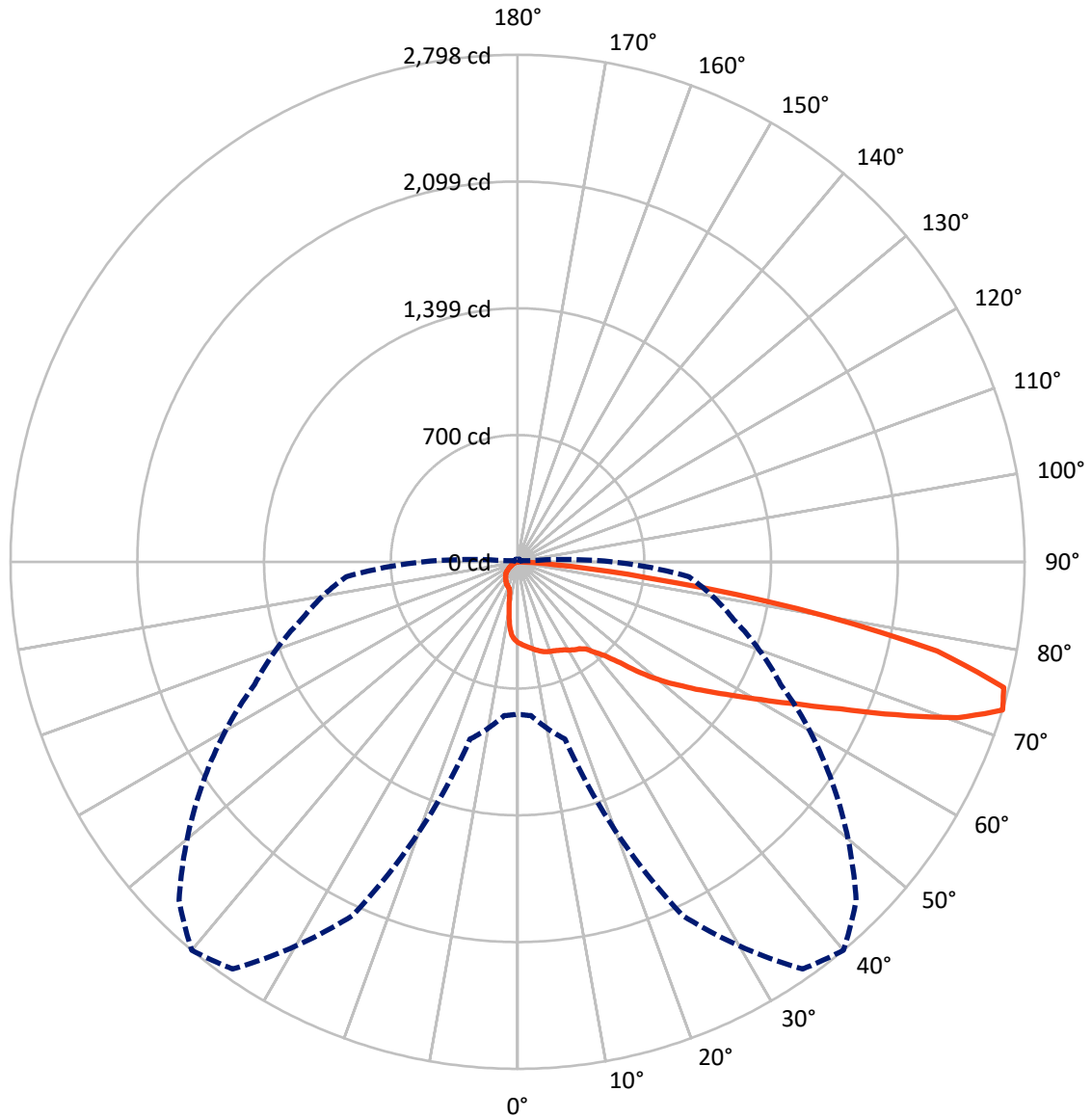
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	434.9	0.0	434.9
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	2933.1	0.0	2933.1
	% Fixture	87.1	0.0	87.1
Total	Lumens	3368.0	0.0	3368.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.7	1.2
10°-20°	110.6	3.3
20°-30°	179.0	5.3
30°-40°	264.2	7.8
40°-50°	444.7	13.2
50°-60°	690.5	20.5
60°-70°	864.0	25.7
70°-80°	707.3	21.0
80°-90°	67.1	2.0
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°	3368.0	100.0
0°-180°	3368.0	100.0

Coefficient of Utilization



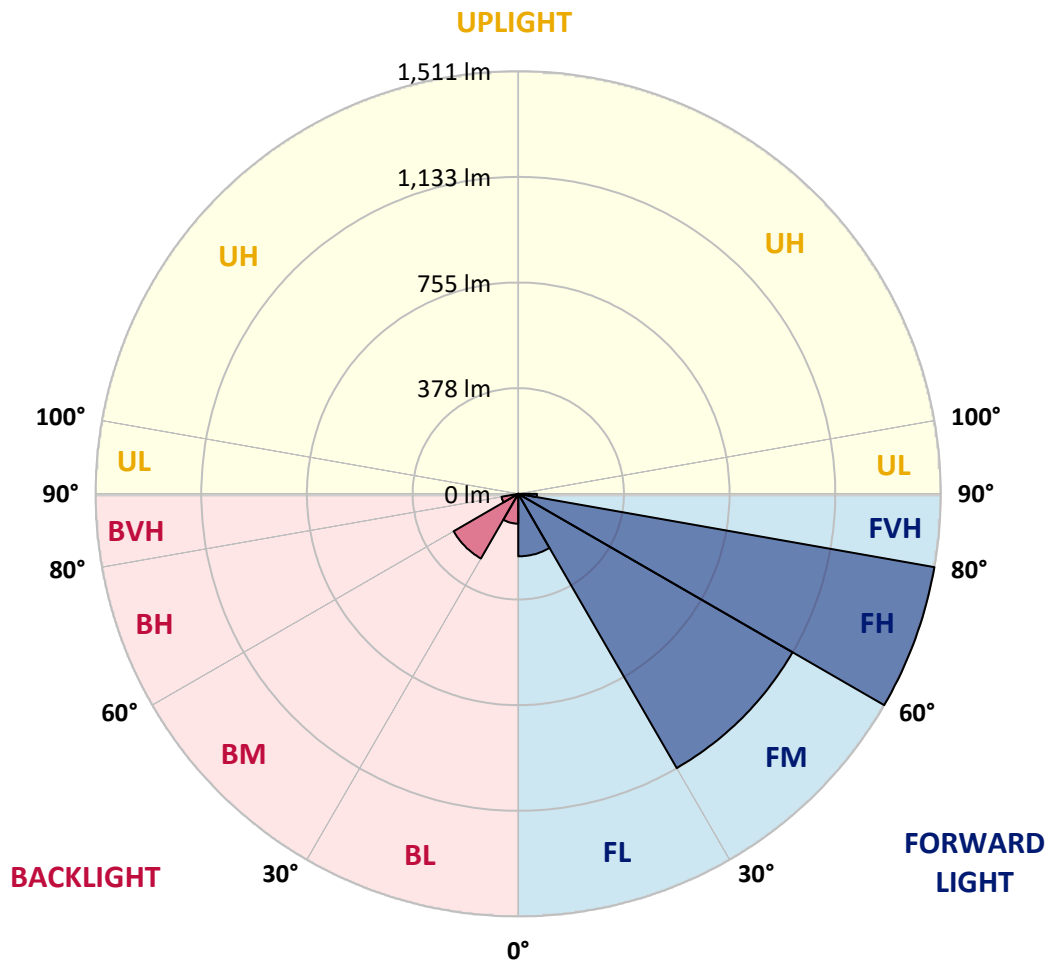
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	223.5	6.6			
FM (30°-60°)	1132.3	33.6			
FH (60°-80°)	1510.7	44.9			G1/1800
FVH (80°-90°)	66.6	2.0			G1/100
BL (0°-30°)	106.8	3.2	B0/110		
BM (30°-60°)	267.1	7.9	B1/1000		
BH (60°-80°)	60.6	1.8	B0/110		G0/110
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	446.0	446.0	446.0	446.0	446.0	446.0	446.0	446.0	446.0	446.0
2.5°	459.4	461.2	460.2	458.1	457.6	456.6	455.3	454.8	453.1	451.5
5°	472.3	474.1	472.8	470.0	468.8	467.5	465.7	464.2	460.7	457.4
7.5°	486.5	488.1	486.5	482.5	480.4	478.9	476.4	474.1	470.0	465.2
10°	502.3	503.5	501.3	495.9	492.6	490.3	488.1	485.5	481.7	476.4
12.5°	517.0	518.5	514.9	508.6	504.8	502.5	500.0	498.0	494.1	489.1
15°	530.4	532.7	526.6	519.8	515.5	513.7	511.1	509.9	507.3	503.8
17.5°	540.6	542.1	535.7	527.6	522.8	521.5	519.8	520.5	520.0	518.2
20°	549.2	550.2	541.8	531.9	526.6	526.9	526.4	528.9	529.9	529.9
22.5°	559.8	560.1	549.4	537.0	530.7	532.5	533.2	536.0	538.0	540.1
25°	573.8	573.3	560.6	543.6	538.0	540.6	542.3	543.4	545.6	548.9
27.5°	594.6	593.1	576.8	554.3	547.7	550.0	553.3	552.7	551.7	554.3
30°	621.0	619.0	597.4	569.2	563.1	565.2	566.2	561.6	554.3	556.6
32.5°	662.8	659.3	629.4	586.0	576.6	578.9	577.6	568.2	557.3	559.6
35°	735.6	727.0	684.7	621.0	591.8	589.3	586.2	577.1	563.7	561.4
37.5°	890.4	875.2	802.9	689.2	626.3	609.8	600.4	591.3	570.5	561.4
40°	1064.9	1049.4	966.0	803.4	683.6	655.7	633.4	608.0	577.6	564.7
42.5°	1247.0	1230.0	1144.3	944.9	765.6	708.2	666.6	621.5	589.3	574.8
45°	1450.5	1429.2	1317.1	1092.6	884.5	795.5	720.2	649.1	609.6	592.8
47.5°	1665.1	1637.4	1489.3	1235.9	1012.6	916.3	818.1	698.6	639.5	619.7
50°	1855.3	1827.9	1667.1	1385.8	1132.4	1031.2	929.7	767.1	684.4	657.8
52.5°	1992.1	1971.3	1829.0	1540.5	1256.9	1139.0	1030.9	846.7	741.2	706.5
55°	2083.6	2064.6	1943.6	1687.2	1401.8	1257.7	1130.6	933.2	809.7	764.8
57.5°	2139.2	2128.3	2026.6	1818.0	1545.4	1387.6	1244.8	1028.4	890.4	833.6
60°	2159.0	2150.1	2078.1	1942.9	1718.9	1543.6	1378.9	1135.7	988.3	911.7
62.5°	2106.2	2108.0	2115.1	2090.7	1901.8	1726.2	1539.8	1264.5	1096.9	1000.2
65°	1857.9	1872.6	2007.5	2254.6	2144.0	1955.0	1744.5	1421.8	1221.2	1100.9
67.5°	1538.3	1559.6	1727.5	2350.5	2402.2	2252.1	2029.6	1622.2	1369.3	1203.4
70°	1177.5	1200.4	1403.8	2330.5	2644.0	2576.8	2382.2	1877.2	1522.8	1274.4
72.5°	840.4	852.1	1012.4	2152.1	2743.2	2798.0	2642.0	2118.6	1601.2	1235.1
75°	590.5	588.5	694.8	1733.1	2588.7	2771.1	2550.9	1988.0	1449.0	981.2
77.5°	257.2	257.7	347.0	1052.5	2066.1	2366.7	2120.4	1245.3	1010.1	520.0
80°	66.7	68.7	127.3	419.1	1244.0	1562.1	1293.2	547.4	466.8	126.8
82.5°	23.6	25.1	58.6	131.7	458.9	716.4	575.8	175.0	121.8	36.3
85°	6.8	8.1	31.5	40.3	94.9	202.4	139.8	34.0	29.9	18.8
87.5°	0.0	1.0	6.3	5.6	5.6	3.8	7.1	3.8	4.8	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
446.0	0°	446.0	446.0	446.0	446.0	446.0	446.0	446.0	446.0	446.0	446.0
449.8	2.5°	448.2	446.5	442.7	438.6	434.8	431.2	430.2	426.4	424.6	424.9
453.3	5°	450.5	447.2	439.9	431.0	421.9	411.5	402.8	390.7	380.3	379.0
460.2	7.5°	456.6	451.3	439.4	422.1	399.3	370.6	344.0	317.6	302.6	294.5
470.3	10°	466.0	458.9	440.6	407.6	359.2	308.0	267.6	234.4	217.4	209.5
482.7	12.5°	477.2	469.3	442.7	383.0	307.4	240.2	196.6	176.3	172.7	172.2
498.0	15°	492.9	484.3	444.9	349.8	251.4	182.9	162.9	163.1	165.9	167.4
514.4	17.5°	510.4	501.8	441.6	309.2	196.1	156.3	155.8	158.0	162.1	163.6
529.7	20°	528.1	520.0	430.0	261.5	158.5	148.9	150.9	153.5	157.5	159.6
544.6	22.5°	546.4	539.3	411.5	210.8	143.1	143.6	146.1	148.7	153.2	155.5
559.3	25°	565.9	559.8	386.8	168.9	136.5	138.0	141.3	144.3	149.2	151.9
571.8	27.5°	585.7	581.2	358.9	141.0	130.4	132.2	136.0	140.0	144.8	148.1
582.7	30°	607.3	604.7	336.6	130.6	124.6	126.1	130.4	135.0	140.3	144.3
593.6	32.5°	629.4	628.8	325.7	138.2	119.2	120.2	124.0	128.6	135.2	140.3
602.7	35°	651.2	652.2	319.4	159.8	117.4	114.7	117.2	121.3	129.1	135.5
613.1	37.5°	679.1	681.6	319.1	183.1	121.8	109.1	110.9	113.6	120.5	127.8
629.4	40°	720.7	734.1	335.4	203.2	129.4	104.0	104.5	105.0	108.6	114.7
650.9	42.5°	776.0	815.3	393.9	216.9	132.4	99.4	97.7	94.9	94.4	97.7
680.3	45°	844.7	913.5	496.9	224.5	129.4	94.4	89.5	82.2	79.4	81.7
720.2	47.5°	925.6	1021.0	619.0	226.3	124.3	88.0	79.4	69.8	67.5	68.2
773.7	50°	1004.5	1101.7	726.3	211.6	115.9	79.9	68.2	60.1	58.6	58.9
836.9	52.5°	1074.3	1129.3	756.7	176.8	104.8	70.0	58.6	53.0	52.0	52.0
906.6	55°	1120.5	1099.4	674.8	135.2	90.8	59.9	50.2	47.4	46.9	46.7
984.5	57.5°	1130.1	1002.0	509.6	97.7	71.0	50.5	44.6	43.1	42.1	41.1
1064.4	60°	1095.6	839.6	324.4	68.2	53.3	43.1	39.6	38.6	36.5	34.5
1139.5	62.5°	1021.0	634.2	179.6	47.4	42.9	36.8	35.0	33.7	29.9	26.6
1199.1	65°	920.8	421.6	79.4	37.0	35.0	30.9	29.9	28.2	23.6	19.8
1221.7	67.5°	820.1	242.8	35.8	29.7	28.2	25.4	24.6	23.3	20.0	16.5
1164.1	70°	705.2	123.0	24.6	23.6	21.8	19.3	20.0	19.8	16.5	13.4
949.5	72.5°	525.1	61.1	18.5	17.8	15.7	13.7	16.5	16.2	12.9	10.1
585.5	75°	297.3	30.2	13.4	12.4	9.4	10.1	13.2	12.4	8.9	6.6
247.1	77.5°	118.0	15.5	8.9	7.6	5.6	6.8	9.6	8.4	4.6	2.8
47.2	80°	27.1	7.6	4.6	3.3	2.5	4.1	5.1	3.0	1.3	0.3
12.7	82.5°	7.6	3.3	1.5	1.3	1.3	1.5	1.3	0.5	0.0	0.0
3.3	85°	2.5	1.5	0.5	0.3	0.3	0.3	0.3	0.0	0.0	0.0
1.0	87.5°	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
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446.0
424.6
378.2
294.0
208.0
172.0
167.2
163.4
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140.8
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