

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: P845705

Luminaire Tested: **GLAN-SB1A-727-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845705
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-727-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2914 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

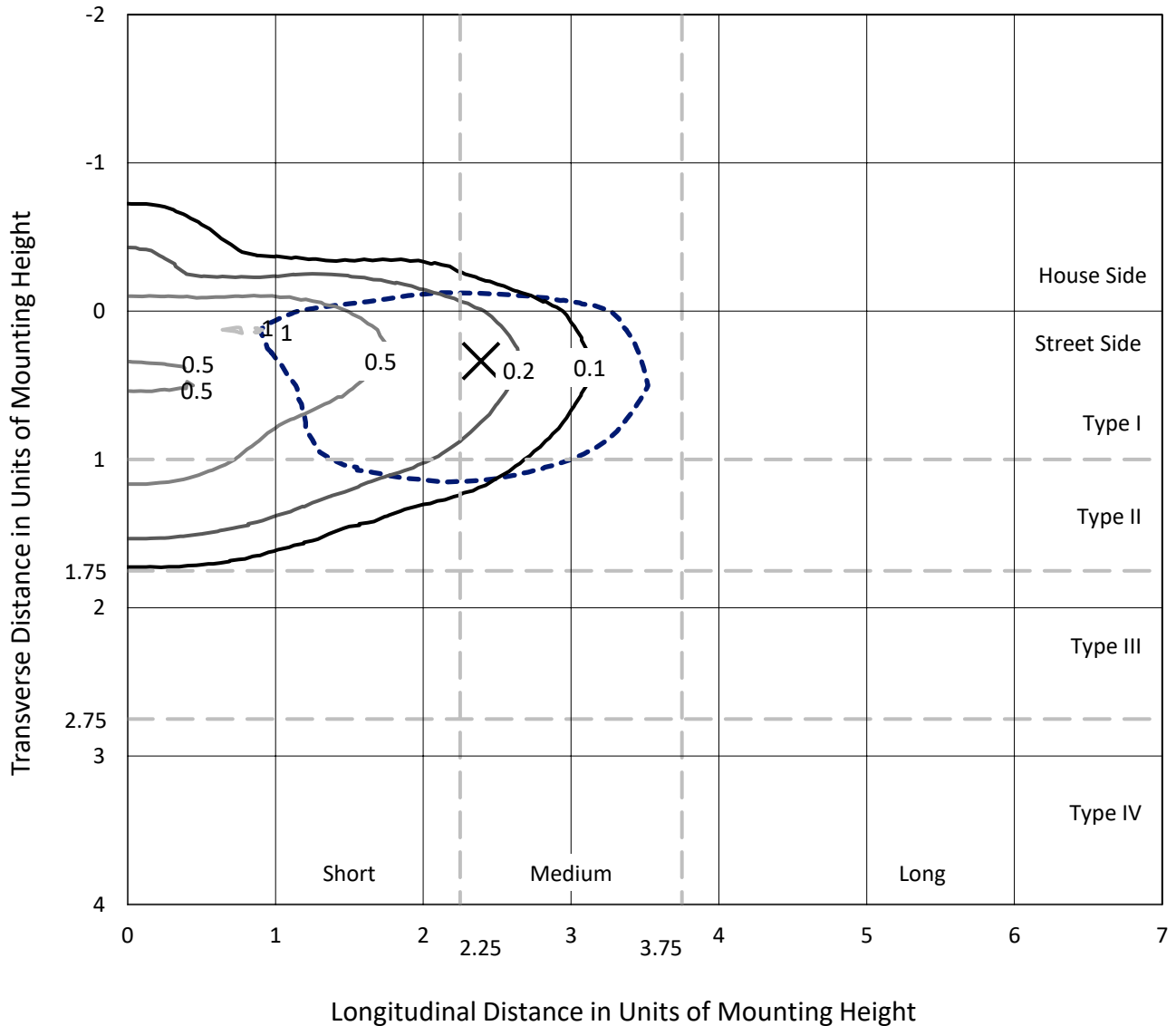
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

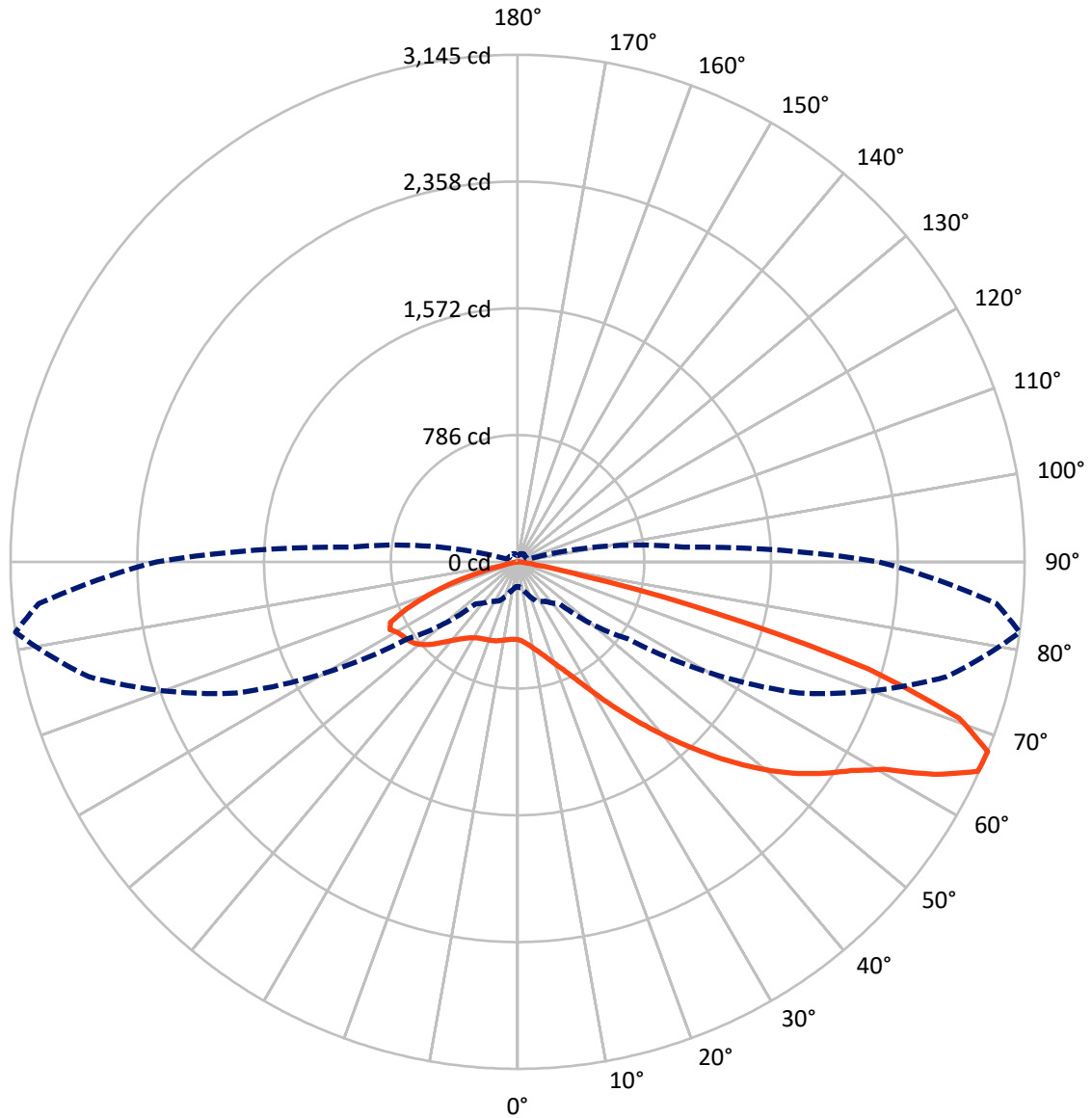
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	527.8	0.0	527.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	2386.1	0.0	2386.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	2914.0	0.0	2914.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.0	1.5
10°-20°	111.8	3.8
20°-30°	179.0	6.1
30°-40°	316.5	10.9
40°-50°	554.6	19.0
50°-60°	739.7	25.4
60°-70°	688.6	23.6
70°-80°	264.3	9.1
80°-90°	16.4	0.6
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°	2914.0	100.0
0°-180°	2914.0	100.0

Coefficient of Utilization

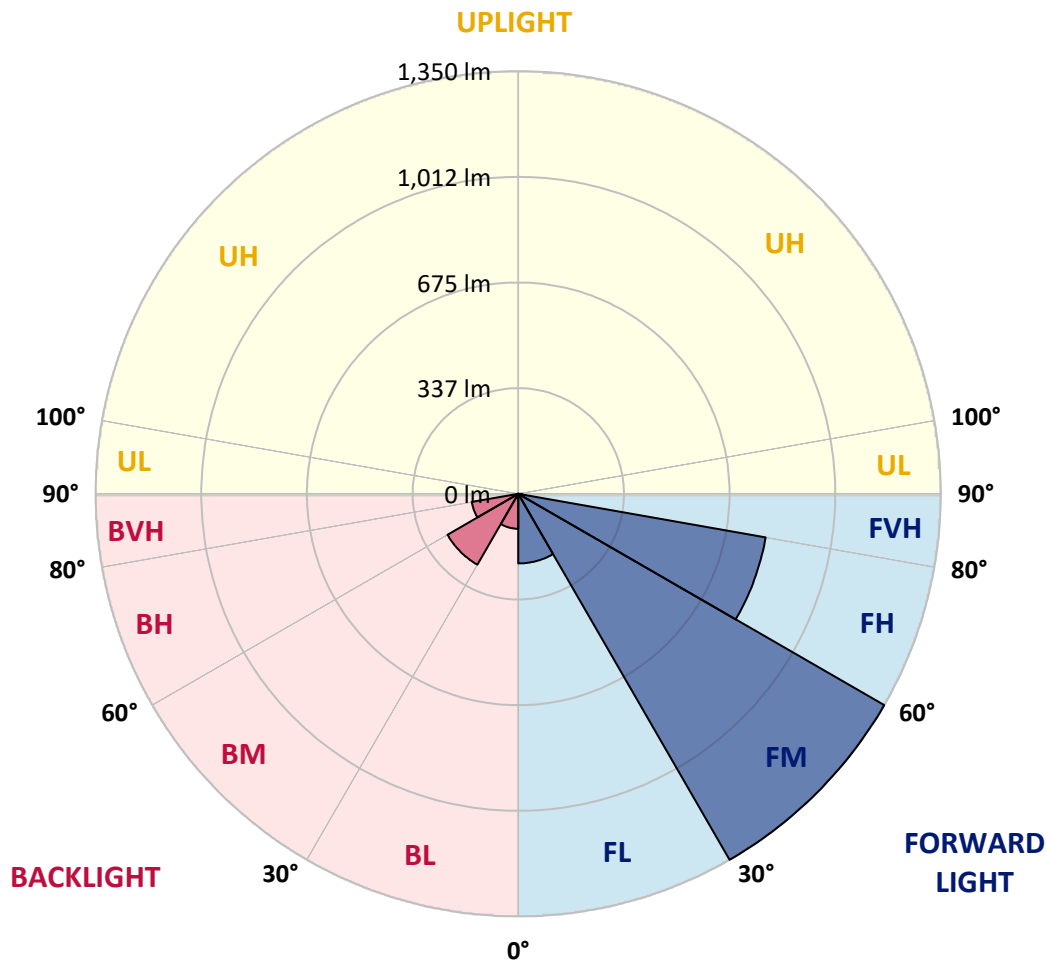


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	222.3	7.6			
FM (30°-60°)	1349.6	46.3			
FH (60°-80°)	802.3	27.5			G1/1800
FVH (80°-90°)	11.9	0.4			G1/100
BL (0°-30°)	111.5	3.8	B1/500		
BM (30°-60°)	261.2	9.0	B1/1000		
BH (60°-80°)	150.7	5.2	B1/500		G1/500
BVH (80°-90°)	4.5	0.2			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8
2.5°	510.2	513.2	511.5	510.7	509.2	507.1	505.4	500.2	494.7	491.1
5°	520.5	523.5	523.2	524.1	525.1	525.8	525.3	519.5	511.7	505.6
7.5°	511.7	515.1	517.8	522.0	529.3	537.1	540.9	539.6	531.6	523.2
10°	486.7	490.3	496.8	506.7	522.2	539.0	553.0	559.5	554.5	545.3
12.5°	441.0	444.6	457.4	478.8	504.8	533.9	560.8	578.2	579.5	570.2
15°	389.6	393.2	406.8	433.7	473.3	520.1	565.0	597.9	609.1	601.1
17.5°	357.7	360.9	371.1	392.7	434.1	492.4	563.5	618.9	644.3	638.0
20°	348.1	350.8	355.6	370.7	405.1	463.7	553.9	638.6	682.3	678.7
22.5°	358.3	360.9	362.3	369.0	390.6	444.8	541.7	658.8	726.3	726.7
25°	382.0	384.6	382.9	387.1	396.5	438.9	537.1	682.5	781.7	786.3
27.5°	421.1	421.3	417.3	417.1	418.6	447.7	541.9	707.9	851.6	860.2
30°	499.3	496.2	480.9	464.3	456.7	474.1	555.3	737.9	934.0	949.3
32.5°	620.0	615.3	587.2	547.6	507.7	516.7	579.5	772.1	1023.8	1051.5
35°	750.9	749.6	720.2	661.3	591.6	577.4	618.7	817.0	1121.8	1165.9
37.5°	872.6	871.9	855.1	785.7	700.9	661.9	681.6	875.7	1226.7	1290.5
40°	983.8	985.6	968.9	906.8	821.4	770.4	767.2	948.3	1343.4	1426.2
42.5°	1079.8	1081.9	1064.9	1019.0	940.3	890.4	872.4	1037.3	1457.3	1572.0
45°	1145.1	1158.1	1155.6	1118.9	1062.4	1010.6	998.7	1148.9	1587.1	1726.7
47.5°	1163.6	1175.5	1194.4	1199.4	1165.0	1114.0	1128.3	1283.4	1718.5	1881.5
50°	1118.0	1129.1	1168.4	1220.6	1244.5	1228.8	1254.4	1427.5	1853.0	2035.9
52.5°	1028.2	1039.6	1089.1	1171.7	1269.3	1318.8	1380.9	1569.5	1983.2	2182.1
55°	898.4	910.3	973.9	1067.5	1222.1	1355.9	1486.4	1711.3	2102.6	2313.7
57.5°	721.7	730.5	796.6	927.5	1103.3	1319.0	1564.3	1866.2	2215.1	2442.9
60°	470.4	478.1	554.9	700.9	906.5	1195.7	1579.8	2038.8	2364.5	2611.0
62.5°	312.8	318.1	363.6	470.8	638.4	958.8	1489.0	2176.7	2583.5	2903.4
65°	214.6	219.9	265.4	340.1	412.5	634.2	1227.8	2158.4	2782.0	3135.7
67.5°	153.2	157.6	196.2	266.7	298.5	368.4	832.3	1925.1	2753.4	3144.5
70°	109.7	112.2	144.1	207.7	237.3	221.3	462.8	1472.4	2410.8	2903.6
72.5°	76.8	77.6	100.1	158.2	191.1	161.5	220.3	981.7	1823.4	2279.1
75°	52.0	53.1	67.3	116.0	153.4	123.4	116.6	526.4	1070.4	1261.5
77.5°	31.9	32.3	43.4	79.3	114.8	94.0	75.1	223.0	414.1	406.6
80°	18.0	18.0	27.7	49.3	78.3	60.6	52.7	94.8	131.1	115.2
82.5°	10.1	10.3	20.1	30.6	51.8	35.9	29.0	43.8	56.6	50.1
85°	4.2	4.6	12.4	14.5	24.8	17.8	11.7	18.5	21.0	18.7
87.5°	0.4	0.6	3.8	2.7	2.9	3.6	1.7	3.6	2.9	2.9
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°
482.8	0°	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8
489.9	2.5°	485.9	482.8	474.8	465.5	453.4	447.5	439.5	434.1	429.5	429.9
502.1	5°	495.3	487.4	469.5	447.3	419.6	399.9	378.9	364.4	352.7	350.2
518.8	7.5°	508.3	495.8	464.5	424.4	377.6	342.2	310.5	290.2	275.7	271.1
539.2	10°	525.1	506.9	458.0	395.7	328.3	283.2	249.2	233.3	223.4	220.1
563.1	12.5°	544.6	519.7	449.4	360.6	277.6	234.1	212.5	204.6	201.4	200.4
592.5	15°	569.2	535.6	436.4	319.1	234.6	204.1	194.9	193.9	194.3	193.9
627.7	17.5°	598.4	553.0	415.2	276.3	205.6	188.8	185.5	186.3	187.4	187.1
667.2	20°	630.2	570.2	388.1	238.3	185.9	177.9	176.0	176.9	177.7	177.3
712.7	22.5°	666.5	588.7	358.1	208.8	172.7	167.8	165.7	166.0	166.0	165.1
770.4	25°	710.0	609.1	326.7	187.8	162.6	158.8	156.3	155.5	154.2	151.7
840.5	27.5°	761.8	630.7	296.4	173.1	154.6	151.1	148.1	146.0	142.9	138.7
924.6	30°	820.1	656.9	270.9	163.9	148.3	144.8	141.4	138.3	133.6	128.4
1021.3	32.5°	888.7	685.0	252.2	157.8	142.7	138.9	134.9	131.1	126.1	120.8
1130.0	35°	970.5	719.0	241.3	153.6	138.3	133.2	128.8	124.6	120.8	116.2
1248.1	37.5°	1059.3	755.1	237.9	151.5	135.3	127.6	122.5	119.6	119.2	116.4
1375.9	40°	1156.4	797.9	240.4	150.2	132.2	122.1	116.6	116.0	117.1	112.2
1512.5	42.5°	1259.2	848.6	244.6	148.7	127.8	116.6	111.4	111.4	110.6	103.9
1656.8	45°	1370.4	907.2	248.8	145.2	122.5	111.2	107.2	105.7	102.2	95.7
1802.0	47.5°	1482.5	966.8	252.0	138.7	116.2	106.6	103.0	99.7	94.4	88.5
1944.4	50°	1588.8	1020.3	248.6	129.0	109.1	102.2	98.4	93.8	88.1	84.1
2079.3	52.5°	1683.9	1066.6	234.3	117.7	101.5	97.6	94.2	89.4	84.8	80.6
2201.0	55°	1766.5	1104.2	209.2	107.0	94.8	93.6	90.2	84.1	77.8	74.3
2321.7	57.5°	1845.8	1132.7	177.7	98.2	88.7	89.2	84.1	78.7	72.8	69.0
2484.2	60°	1951.4	1170.9	145.8	90.0	82.2	83.5	78.0	74.1	66.7	61.9
2763.1	62.5°	2120.0	1230.3	115.8	79.9	74.7	75.1	72.8	68.0	59.2	53.5
2969.7	65°	2253.9	1208.5	91.3	69.0	66.1	66.7	66.7	61.5	52.0	45.5
2980.8	67.5°	2238.8	1034.7	72.8	58.3	57.9	58.3	59.8	55.4	46.2	40.9
2753.8	70°	2062.3	823.0	58.3	48.5	50.4	49.3	53.5	50.6	41.5	36.3
2134.9	72.5°	1682.8	592.9	44.5	40.1	38.6	40.3	48.3	45.5	34.6	28.7
1130.8	75°	983.3	316.4	33.1	31.7	27.9	33.6	42.8	38.8	26.4	21.2
346.6	77.5°	320.2	110.4	24.3	23.3	20.8	27.1	36.5	32.7	21.6	16.8
101.5	80°	85.8	33.4	16.6	15.3	13.4	20.1	29.0	26.0	15.5	10.9
43.6	82.5°	34.4	14.1	9.7	8.6	7.3	13.8	22.9	21.0	11.5	6.9
13.6	85°	11.1	4.6	3.6	2.7	3.4	8.6	13.6	14.3	8.2	3.6
2.1	87.5°	1.5	0.6	0.6	0.8	0.6	1.5	4.2	4.0	2.3	0.4
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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482.8
425.7
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