

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: NEO-RAY

Report Number: P333676-930

Luminaire Tested: **S125RDIW-S610D1560U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333676-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S610D1560U930-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7042.3 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

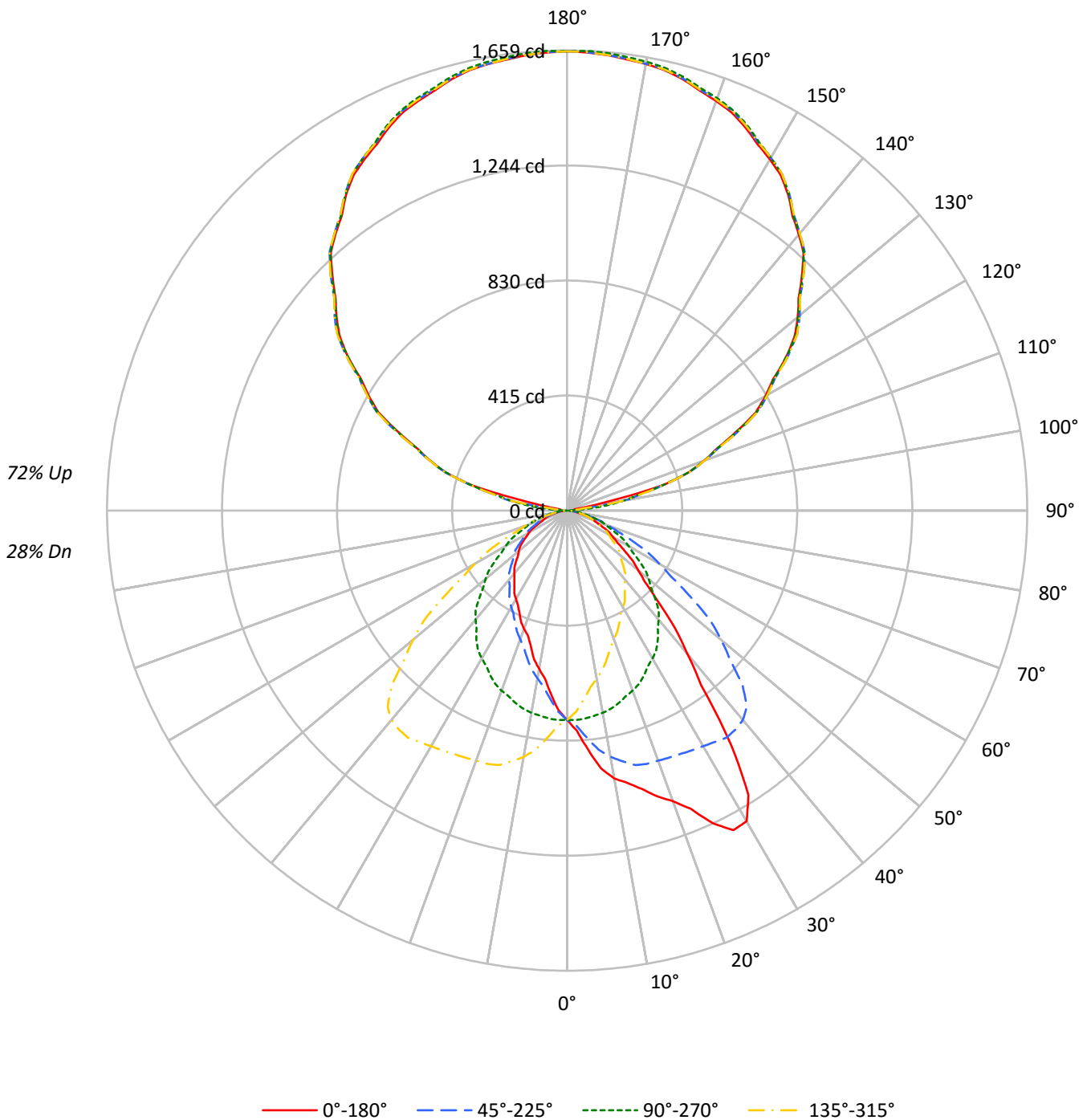
Input Watts (W): 60.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	102	102	102	102	91	91	91	91	71	71	71	53	53	53	36	36	36	28				
1	93	89	85	82	83	80	77	74	62	60	59	47	45	44	32	31	31	24				
2	85	78	72	67	76	70	65	61	55	52	49	41	39	37	28	27	26	20				
3	77	69	62	56	69	62	56	51	49	45	41	36	34	32	25	24	22	17				
4	71	61	53	47	63	55	48	43	43	39	35	33	30	27	23	21	19	15				
5	65	54	46	41	58	49	42	37	39	34	30	29	26	24	20	19	17	13				
6	60	48	41	35	53	44	37	32	35	30	26	26	23	21	19	17	15	12				
7	55	43	36	31	49	39	33	28	31	27	23	24	21	18	17	15	13	10				
8	51	39	32	27	46	36	29	25	29	24	20	22	19	16	16	13	12	9				
9	47	36	29	24	42	32	26	22	26	21	18	20	17	14	14	12	11	8				
10	44	33	26	21	40	30	24	20	24	19	16	18	15	13	13	11	10	8				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4873	4873	4873	4873
5°	5606	4879	4309	4879
10°	6431	4854	3802	4854
15°	6946	4804	3380	4804
20°	7659	4746	3120	4746
25°	8863	4670	2895	4670
30°	9645	4589	2748	4589
35°	8136	4495	2613	4495
40°	5681	4326	2496	4326
45°	4215	4098	2382	4098
50°	3361	3861	2284	3861
55°	2852	3567	2197	3567
60°	2465	3304	2056	3304
65°	2196	3020	1771	3020
70°	1930	2766	1613	2766
75°	1669	2395	1515	2395
80°	1268	2016	1268	2016
85°	1060	1586	1193	1586



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	1.0
10°-20°	212.0	3.0
20°-30°	336.2	4.8
30°-40°	405.4	5.8
40°-50°	362.0	5.1
50°-60°	277.6	3.9
60°-70°	180.4	2.6
70°-80°	87.7	1.2
80°-90°	24.4	0.3
90°-100°	60.2	0.9
100°-110°	370.8	5.3
110°-120°	672.5	9.5
120°-130°	863.1	12.3
130°-140°	928.3	13.2
140°-150°	871.4	12.4
150°-160°	704.9	10.0
160°-170°	455.9	6.5
170°-180°	157.2	2.2
0°-30°	620.5	8.8
0°-40°	1025.9	14.6
0°-60°	1665.6	23.7
0°-90°	1958.1	27.8
90°-120°	1103.5	15.7
90°-150°	3766.2	53.5
90°-180°	5084.0	72.2
0°-180°	7042.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	754	754	754	754	754	
5°	865	753	665	753	865	86
15°	1039	718	506	718	1039	298
25°	1244	655	406	655	1244	571
35°	1032	570	331	570	1032	623
45°	462	449	261	449	462	368
55°	253	317	195	317	253	230
65°	144	198	116	198	144	143
75°	67	96	61	96	67	71
85°	14	21	16	21	14	17
90°	29	1	29	1	29	13
95°	26	70	26	70	26	21
105°	364	361	364	361	364	330
115°	672	678	672	678	672	668
125°	963	963	963	963	963	857
135°	1197	1202	1197	1202	1197	923
145°	1389	1393	1389	1393	1389	868
155°	1523	1534	1523	1534	1523	702
165°	1610	1619	1610	1619	1610	454
175°	1648	1656	1648	1656	1648	157
180°	1656	1656	1656	1656	1656	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	793.6	793.1	794.1	791.3	791.7	787.4	787.4	784.2	780.0	776.7	775.3
5°	864.7	865.4	864.1	859.4	856.3	851.7	846.4	837.1	829.4	822.0	816.1
7.5°	937.9	938.3	934.3	932.9	925.0	919.3	907.7	895.0	883.8	869.5	858.7
10°	980.6	980.2	975.9	972.5	965.6	957.0	945.5	930.7	916.7	901.2	886.4
12.5°	1005.3	1004.5	1003.1	999.0	992.7	985.0	975.3	960.7	943.5	926.5	909.2
15°	1038.8	1036.6	1032.6	1027.3	1018.3	1009.3	998.5	985.5	969.1	949.9	933.8
17.5°	1080.1	1080.2	1074.0	1066.7	1054.5	1038.6	1021.9	1000.9	978.6	957.5	940.4
20°	1114.4	1113.4	1107.2	1093.0	1079.0	1059.2	1040.0	1014.3	987.1	959.4	938.1
22.5°	1163.4	1161.0	1154.5	1135.8	1114.2	1088.7	1059.3	1027.9	995.0	963.7	935.6
25°	1243.8	1241.9	1229.2	1207.5	1177.2	1137.8	1099.4	1056.4	1009.0	967.8	933.8
27.5°	1298.8	1296.7	1287.4	1269.3	1241.3	1200.0	1147.9	1090.5	1031.3	974.6	925.4
30°	1293.3	1298.0	1296.7	1288.4	1267.3	1230.1	1182.2	1117.4	1047.1	980.6	922.0
32.5°	1215.5	1219.7	1230.6	1247.0	1248.2	1233.4	1197.5	1137.8	1064.9	989.2	919.2
35°	1031.9	1037.5	1058.6	1091.7	1135.1	1171.3	1178.8	1146.6	1081.2	999.7	915.2
37.5°	793.4	823.9	841.6	876.4	941.9	1008.6	1072.7	1096.3	1068.5	995.4	908.6
40°	673.9	681.3	713.0	752.3	807.4	876.8	968.2	1034.1	1036.2	985.5	898.1
42.5°	576.8	586.2	607.9	639.3	686.5	755.9	850.2	937.3	977.5	958.2	884.5
45°	461.5	468.6	484.4	508.5	544.8	602.1	683.2	783.9	863.8	895.0	848.0
47.5°	379.1	382.9	396.6	415.1	441.9	483.6	546.4	633.8	729.7	796.9	790.3
50°	334.5	338.8	349.4	363.3	385.9	421.2	471.4	544.1	642.9	725.0	741.4
52.5°	299.8	303.4	310.0	323.2	341.8	368.9	409.4	475.3	564.2	651.4	689.4
55°	253.3	255.8	261.1	268.5	283.4	302.9	337.9	383.4	455.3	543.2	599.0
57.5°	215.1	216.3	219.6	226.5	236.8	251.0	276.3	315.0	366.5	445.6	507.2
60°	190.8	192.0	196.3	201.0	209.0	222.1	241.9	268.8	318.4	383.8	446.0
62.5°	171.5	172.2	174.1	178.7	185.7	195.8	211.4	233.4	272.8	330.2	389.0
65°	143.7	144.0	144.6	148.4	152.7	160.1	170.3	185.8	215.6	258.9	311.0
67.5°	117.1	117.5	119.7	121.0	125.5	129.4	135.4	147.2	168.2	197.4	237.8
70°	102.2	101.9	104.0	105.6	107.1	111.8	115.9	125.4	138.4	160.8	194.5
72.5°	88.3	87.6	88.5	89.0	91.1	94.2	98.2	104.1	114.1	129.6	155.3
75°	66.9	67.2	67.2	67.8	69.4	70.6	71.8	74.9	80.6	90.7	104.7
77.5°	47.0	46.5	47.8	47.9	48.8	50.2	51.3	52.5	54.8	59.0	66.2
80°	34.1	34.1	34.4	35.3	35.0	35.6	37.2	38.4	41.2	43.7	46.1
82.5°	26.2	25.9	26.2	26.4	26.3	26.9	27.5	27.7	28.8	30.0	31.8
85°	14.3	14.3	14.6	14.6	14.8	14.8	15.2	15.2	15.2	15.5	15.8
87.5°	11.3	10.9	10.5	10.4	10.4	10.7	10.2	9.7	9.4	9.1	9.0
90°	29.4	28.6	27.8	27.0	26.2	25.1	23.7	22.3	21.0	19.6	17.7
92.5°	27.5	27.1	26.7	26.3	25.9	25.1	23.7	22.3	21.0	19.6	17.9
95°	25.8	25.8	25.8	25.8	25.8	25.1	23.7	22.3	21.0	19.6	30.0
97.5°	25.8	25.8	25.8	25.8	25.8	29.6	37.3	45.0	52.7	60.4	80.9
100°	25.8	26.9	28.0	29.0	30.2	51.0	91.6	132.2	172.9	213.5	212.5
102.5°	154.4	172.9	191.5	210.0	228.6	241.7	249.4	257.1	264.8	272.5	271.8
105°	364.5	364.8	365.1	365.3	365.6	365.7	365.7	365.7	365.7	365.7	365.7
107.5°	459.5	460.3	461.1	461.9	462.8	463.2	463.1	463.1	463.0	462.9	462.4
110°	525.3	525.1	524.7	524.5	524.2	524.5	525.3	526.1	526.9	527.7	527.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	584.2	584.6	585.0	585.4	585.7	586.4	587.5	588.5	589.5	590.6	590.3
115°	672.5	674.2	675.8	677.5	679.1	680.4	681.6	682.7	683.7	684.9	684.6
117.5°	766.8	767.5	768.3	769.0	769.6	770.7	772.2	773.6	774.9	776.4	775.3
120°	824.8	826.1	827.4	828.8	830.2	831.2	831.7	832.3	832.8	833.3	832.5
122.5°	879.7	881.3	882.9	884.5	886.1	887.1	887.7	888.2	888.8	889.3	888.9
125°	963.4	964.3	965.1	965.9	966.7	967.7	968.7	969.9	970.9	972.0	972.0
127.5°	1033.9	1035.9	1038.0	1039.9	1042.0	1043.3	1043.9	1044.5	1045.1	1045.7	1045.9
130°	1084.9	1086.3	1087.7	1089.1	1090.4	1091.5	1092.3	1093.2	1094.0	1094.8	1094.5
132.5°	1132.0	1133.4	1134.8	1136.2	1137.5	1138.3	1138.5	1138.6	1138.8	1139.0	1139.5
135°	1196.6	1198.2	1199.9	1201.5	1203.1	1204.3	1204.8	1205.3	1205.9	1206.5	1207.0
137.5°	1261.4	1262.8	1264.3	1265.7	1267.1	1267.8	1267.6	1267.5	1267.5	1267.3	1267.8
140°	1299.8	1301.4	1303.0	1304.6	1306.3	1306.8	1306.3	1305.7	1305.2	1304.6	1304.9
142.5°	1336.0	1337.7	1339.3	1340.9	1342.6	1343.4	1343.3	1343.1	1343.0	1343.0	1342.6
145°	1389.4	1391.0	1392.6	1394.2	1395.9	1396.5	1396.3	1396.0	1395.7	1395.5	1395.5
147.5°	1433.3	1435.3	1437.2	1439.2	1441.1	1441.9	1441.6	1441.3	1441.0	1440.6	1440.3
150°	1461.8	1464.0	1466.1	1468.3	1470.5	1471.3	1470.7	1470.1	1469.7	1469.1	1468.5
152.5°	1488.2	1490.2	1492.2	1494.1	1496.1	1496.8	1496.2	1495.7	1495.2	1494.6	1494.1
155°	1523.1	1525.3	1527.5	1529.7	1531.8	1532.5	1531.7	1530.9	1530.1	1529.3	1528.7
157.5°	1552.3	1554.4	1556.7	1558.9	1561.1	1561.7	1560.8	1559.9	1559.1	1558.2	1558.1
160°	1571.0	1573.1	1575.3	1577.5	1579.7	1580.2	1579.2	1578.0	1577.0	1575.9	1575.6
162.5°	1587.6	1590.1	1592.4	1594.9	1597.3	1597.7	1596.2	1594.6	1593.1	1591.5	1591.3
165°	1610.2	1612.4	1614.6	1616.8	1618.9	1619.3	1617.6	1615.9	1614.3	1612.7	1612.4
167.5°	1626.0	1628.4	1630.8	1633.3	1635.7	1636.0	1634.0	1632.1	1630.1	1628.2	1627.9
170°	1634.8	1637.2	1639.7	1642.2	1644.6	1644.7	1642.6	1640.4	1638.2	1636.0	1635.7
172.5°	1640.7	1643.2	1645.6	1648.0	1650.5	1650.7	1648.8	1646.8	1644.9	1642.9	1642.4
175°	1648.3	1650.7	1653.2	1655.6	1658.1	1658.2	1656.0	1653.8	1651.7	1649.5	1649.3
177.5°	1652.7	1654.4	1656.2	1657.9	1659.7	1659.8	1658.2	1656.8	1655.2	1653.7	1653.4
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	775.3	773.6	770.3	767.4	763.6	760.4	758.1	755.5	752.0	747.8	744.3
5°	809.6	802.7	793.8	786.0	776.2	768.4	760.3	752.6	744.9	734.9	726.3
7.5°	847.6	833.6	819.9	802.7	787.0	773.1	759.7	746.2	732.9	718.8	705.2
10°	870.9	853.9	834.9	813.3	793.4	774.6	757.2	740.2	722.3	706.5	689.4
12.5°	892.7	870.7	849.1	821.7	797.9	774.9	752.8	731.6	712.3	691.9	673.5
15°	912.4	890.7	866.6	833.2	800.0	772.1	746.1	718.5	694.7	671.7	651.3
17.5°	920.0	897.3	869.2	837.1	800.9	765.8	732.3	702.1	674.0	647.3	624.3
20°	917.0	895.0	866.3	835.6	796.9	760.3	724.1	690.6	659.3	631.2	606.7
22.5°	909.9	887.1	859.3	827.0	790.2	751.4	712.7	677.0	644.2	615.1	588.4
25°	899.1	868.1	839.6	808.0	773.1	734.7	694.7	655.3	620.4	590.6	561.5
27.5°	887.9	849.2	813.0	781.5	744.6	710.4	671.8	631.5	594.7	564.4	534.6
30°	877.8	834.4	794.4	758.8	723.8	691.3	654.7	615.4	577.6	546.3	516.0
32.5°	865.1	819.0	775.1	734.0	700.3	668.0	634.9	597.3	560.5	528.2	497.4
35°	849.2	790.4	742.7	699.0	661.5	630.2	600.5	570.1	533.3	499.9	469.9
37.5°	828.4	761.7	706.5	658.8	619.4	587.9	564.5	536.7	503.1	471.1	443.2
40°	815.8	740.9	680.4	633.3	591.8	558.7	536.7	513.1	482.5	452.5	424.6
42.5°	798.9	721.8	654.2	605.1	563.4	531.5	509.2	488.7	462.9	434.6	404.8
45°	765.9	684.8	613.8	561.2	519.1	487.8	467.0	448.7	429.3	403.2	377.2
47.5°	722.9	646.2	571.9	514.5	473.2	444.2	424.0	409.6	395.7	373.6	348.3
50°	688.5	614.5	542.0	486.2	442.3	414.7	395.8	384.3	371.6	351.6	330.4
52.5°	647.8	581.8	510.8	453.8	412.3	386.5	368.3	356.9	346.3	330.0	309.9
55°	583.8	525.9	460.8	409.1	371.0	345.0	327.7	316.8	310.6	296.7	280.9
57.5°	509.9	468.4	411.1	361.2	327.5	301.7	289.1	279.9	272.9	263.0	251.8
60°	458.4	429.3	377.8	330.4	299.5	275.0	263.6	255.8	249.3	240.9	232.3
62.5°	406.1	384.9	340.2	299.5	271.0	250.5	239.8	232.8	225.3	219.6	211.2
65°	336.1	317.2	286.2	254.3	228.0	211.6	203.8	197.6	193.0	186.8	180.8
67.5°	261.4	253.7	232.4	210.3	191.4	176.8	170.2	165.8	160.2	156.5	152.5
70°	215.6	211.8	196.7	182.1	164.4	154.6	148.4	146.5	139.7	136.0	133.1
72.5°	175.0	173.2	164.4	154.3	141.9	133.2	127.5	125.4	121.1	118.1	116.3
75°	119.8	120.5	119.0	112.4	107.8	102.2	97.3	96.0	92.9	90.4	88.9
77.5°	75.8	79.0	79.1	78.8	77.0	73.5	71.5	70.5	67.5	66.6	66.2
80°	52.0	55.4	58.5	58.2	57.6	56.7	55.1	54.2	52.7	51.7	51.1
82.5°	34.7	37.8	40.4	42.2	42.0	41.1	40.0	39.5	39.3	38.6	38.5
85°	16.4	17.0	17.9	20.1	21.7	22.0	21.7	21.4	20.5	20.8	21.0
87.5°	8.9	8.5	8.3	7.9	7.3	8.1	8.4	8.2	8.2	8.1	8.0
90°	15.8	13.9	12.0	9.9	7.7	5.6	3.4	1.2	3.4	5.6	7.7
92.5°	16.2	14.6	12.9	12.8	14.3	15.8	17.4	18.9	17.4	15.8	14.3
95°	40.4	50.7	61.1	66.7	67.5	68.3	69.1	70.0	69.1	68.3	67.5
97.5°	101.4	121.9	142.4	152.0	150.5	149.0	147.5	146.0	147.5	149.0	150.5
100°	211.4	210.3	209.2	208.2	207.4	206.6	205.8	205.0	205.8	206.6	207.4
102.5°	271.2	270.5	269.9	269.0	268.0	266.9	265.9	264.9	265.9	266.9	268.0
105°	365.7	365.7	365.7	365.2	364.1	363.1	361.9	360.9	361.9	363.1	364.1
107.5°	461.9	461.3	460.7	460.5	460.5	460.5	460.5	460.5	460.5	460.5	460.5
110°	526.7	526.1	525.5	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	590.0	589.6	589.3	588.8	588.2	587.5	586.9	586.2	586.9	587.5	588.2
115°	684.3	684.0	683.7	682.9	681.6	680.2	678.8	677.5	678.8	680.2	681.6
117.5°	774.3	773.3	772.3	771.8	771.8	771.8	771.9	772.0	771.9	771.8	771.8
120°	831.7	830.9	830.1	829.8	830.1	830.4	830.6	830.9	830.6	830.4	830.1
122.5°	888.5	888.2	887.8	887.0	886.1	885.0	883.9	883.0	883.9	885.0	886.1
125°	972.0	972.0	972.0	971.1	969.1	967.3	965.3	963.4	965.3	967.3	969.1
127.5°	1046.0	1046.2	1046.4	1045.7	1044.4	1043.0	1041.6	1040.2	1041.6	1043.0	1044.4
130°	1094.2	1094.0	1093.6	1092.8	1091.5	1090.1	1088.8	1087.4	1088.8	1090.1	1091.5
132.5°	1140.1	1140.8	1141.3	1140.8	1139.3	1137.7	1136.1	1134.5	1136.1	1137.7	1139.3
135°	1207.5	1208.1	1208.6	1208.1	1206.5	1204.8	1203.1	1201.5	1203.1	1204.8	1206.5
137.5°	1268.3	1268.8	1269.3	1268.9	1267.4	1266.0	1264.5	1263.1	1264.5	1266.0	1267.4
140°	1305.2	1305.5	1305.7	1305.6	1305.0	1304.5	1304.0	1303.4	1304.0	1304.5	1305.0
142.5°	1342.1	1341.8	1341.4	1341.0	1340.7	1340.4	1340.0	1339.7	1340.0	1340.4	1340.7
145°	1395.5	1395.5	1395.5	1395.2	1394.7	1394.1	1393.5	1393.0	1393.5	1394.1	1394.7
147.5°	1440.0	1439.7	1439.3	1439.2	1439.3	1439.4	1439.5	1439.7	1439.5	1439.4	1439.3
150°	1468.0	1467.5	1466.9	1466.9	1467.5	1468.0	1468.5	1469.1	1468.5	1468.0	1467.5
152.5°	1493.5	1493.0	1492.4	1492.7	1494.0	1495.2	1496.4	1497.5	1496.4	1495.2	1494.0
155°	1528.1	1527.6	1527.1	1527.6	1529.3	1530.9	1532.5	1534.1	1532.5	1530.9	1529.3
157.5°	1558.1	1558.0	1558.0	1558.4	1559.4	1560.4	1561.4	1562.4	1561.4	1560.4	1559.4
160°	1575.3	1575.1	1574.8	1575.5	1577.1	1578.7	1580.4	1582.0	1580.4	1578.7	1577.1
162.5°	1591.1	1590.7	1590.5	1591.1	1592.8	1594.5	1596.1	1597.7	1596.1	1594.5	1592.8
165°	1612.2	1611.8	1611.6	1612.3	1613.9	1615.5	1617.2	1618.9	1617.2	1615.5	1613.9
167.5°	1627.6	1627.3	1627.1	1627.7	1629.5	1631.2	1632.9	1634.5	1632.9	1631.2	1629.5
170°	1635.5	1635.2	1634.9	1635.7	1637.6	1639.6	1641.4	1643.4	1641.4	1639.6	1637.6
172.5°	1641.9	1641.4	1641.0	1641.6	1643.6	1645.4	1647.4	1649.3	1647.4	1645.4	1643.6
175°	1648.9	1648.7	1648.5	1649.1	1650.7	1652.4	1654.0	1655.6	1654.0	1652.4	1650.7
177.5°	1653.3	1653.0	1652.8	1653.3	1654.6	1656.0	1657.3	1658.6	1657.3	1656.0	1654.6
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	741.8	738.3	735.9	730.9	727.4	725.9	723.3	722.5	725.2	723.3	723.0
5°	719.7	710.8	703.7	696.5	688.8	683.9	676.4	675.1	673.3	670.5	669.9
7.5°	693.3	681.6	672.5	660.6	650.4	642.2	632.9	628.5	626.1	622.5	617.7
10°	675.5	661.5	649.1	637.4	624.7	614.5	605.2	598.0	593.4	589.1	587.2
12.5°	657.9	643.7	627.9	613.6	599.4	587.9	577.6	573.0	567.9	562.8	558.5
15°	630.6	611.6	594.4	577.9	565.8	553.4	543.6	536.7	529.0	526.8	518.4
17.5°	601.6	583.0	562.7	545.4	531.5	517.8	507.0	499.2	493.3	485.3	481.5
20°	583.5	561.5	541.7	525.9	510.4	494.3	483.1	476.6	471.1	464.6	461.5
22.5°	564.2	542.7	522.4	503.9	488.1	472.2	464.3	457.5	451.3	445.2	441.2
25°	535.8	514.1	492.8	473.5	457.1	445.6	436.3	428.6	425.3	419.3	415.0
27.5°	507.8	484.7	462.5	443.4	430.5	419.1	411.6	405.4	399.3	394.1	390.4
30°	489.7	466.1	442.0	426.8	413.1	402.4	394.0	388.1	383.4	378.8	376.0
32.5°	471.6	447.3	425.8	409.4	396.6	387.2	378.6	372.9	368.0	362.9	359.6
35°	442.5	417.8	400.5	384.3	371.6	363.0	357.1	349.0	345.0	341.3	337.9
37.5°	415.6	392.6	373.8	359.7	348.7	340.1	332.5	328.1	323.2	319.8	317.0
40°	395.8	374.7	357.8	342.8	334.8	325.2	318.0	312.5	308.8	304.4	301.3
42.5°	378.0	358.4	341.9	328.5	318.5	310.3	303.5	297.9	293.2	290.1	287.5
45°	352.8	333.2	317.2	304.8	295.5	287.7	280.6	277.8	271.6	267.9	266.7
47.5°	326.7	309.2	293.7	282.3	272.7	265.4	258.7	253.1	249.6	246.0	244.0
50°	309.1	292.4	277.8	266.7	257.4	249.3	243.1	239.4	234.7	231.4	228.9
52.5°	291.5	276.0	261.5	250.8	242.7	234.7	227.8	224.0	219.6	217.4	215.7
55°	266.4	250.0	237.6	227.0	218.7	211.2	204.7	201.0	198.2	196.1	195.4
57.5°	237.8	224.9	213.4	203.8	195.2	188.2	182.5	179.0	176.5	176.2	174.3
60°	219.2	207.5	197.0	186.8	179.3	172.8	167.9	163.9	161.3	161.0	160.5
62.5°	200.7	189.4	179.6	170.6	164.0	157.7	153.0	148.5	147.0	145.4	144.1
65°	173.1	162.9	154.8	147.7	140.6	135.3	130.7	127.9	124.5	122.6	119.3
67.5°	146.0	138.1	130.4	124.4	118.8	113.8	110.0	105.8	103.5	102.0	99.5
70°	128.2	122.1	114.3	107.8	103.5	99.4	96.3	91.6	90.1	88.9	87.6
72.5°	111.4	105.9	99.4	94.2	89.8	86.0	82.4	80.3	78.8	77.5	76.7
75°	87.6	82.3	76.8	73.1	70.0	66.9	65.1	63.5	62.9	62.5	61.3
77.5°	64.3	61.6	57.1	54.1	52.1	50.9	49.2	48.3	48.3	47.0	46.6
80°	49.2	47.7	43.9	42.7	41.2	39.9	39.1	37.5	36.0	35.3	34.4
82.5°	36.6	35.1	33.6	31.6	30.3	29.5	28.6	28.0	28.2	27.4	26.9
85°	19.5	17.9	17.4	17.0	16.4	17.0	16.7	16.4	16.1	15.8	16.1
87.5°	8.2	8.6	8.7	9.6	9.2	9.9	10.1	10.2	10.4	10.7	10.7
90°	9.9	12.0	13.9	15.8	17.7	19.6	21.0	22.3	23.7	25.1	26.2
92.5°	12.8	12.9	14.6	16.2	17.9	19.6	21.0	22.3	23.7	25.1	25.9
95°	66.7	61.1	50.7	40.4	30.0	19.6	21.0	22.3	23.7	25.1	25.8
97.5°	152.0	142.4	121.9	101.4	80.9	60.4	52.7	45.0	37.3	29.6	25.8
100°	208.2	209.2	210.3	211.4	212.5	213.5	172.9	132.2	91.6	51.0	30.2
102.5°	269.0	269.9	270.5	271.2	271.8	272.5	264.8	257.1	249.4	241.7	228.6
105°	365.2	365.7	365.7	365.7	365.7	365.7	365.7	365.7	365.7	365.7	365.6
107.5°	460.5	460.7	461.3	461.9	462.4	462.9	463.0	463.1	463.1	463.2	462.8
110°	525.3	525.5	526.1	526.7	527.2	527.7	526.9	526.1	525.3	524.5	524.2



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	588.8	589.3	589.6	590.0	590.3	590.6	589.5	588.5	587.5	586.4	585.7
115°	682.9	683.7	684.0	684.3	684.6	684.9	683.7	682.7	681.6	680.4	679.1
117.5°	771.8	772.3	773.3	774.3	775.3	776.4	774.9	773.6	772.2	770.7	769.6
120°	829.8	830.1	830.9	831.7	832.5	833.3	832.8	832.3	831.7	831.2	830.2
122.5°	887.0	887.8	888.2	888.5	888.9	889.3	888.8	888.2	887.7	887.1	886.1
125°	971.1	972.0	972.0	972.0	972.0	972.0	970.9	969.9	968.7	967.7	966.7
127.5°	1045.7	1046.4	1046.2	1046.0	1045.9	1045.7	1045.1	1044.5	1043.9	1043.3	1042.0
130°	1092.8	1093.6	1094.0	1094.2	1094.5	1094.8	1094.0	1093.2	1092.3	1091.5	1090.4
132.5°	1140.8	1141.3	1140.8	1140.1	1139.5	1139.0	1138.8	1138.6	1138.5	1138.3	1137.5
135°	1208.1	1208.6	1208.1	1207.5	1207.0	1206.5	1205.9	1205.3	1204.8	1204.3	1203.1
137.5°	1268.9	1269.3	1268.8	1268.3	1267.8	1267.3	1267.5	1267.5	1267.6	1267.8	1267.1
140°	1305.6	1305.7	1305.5	1305.2	1304.9	1304.6	1305.2	1305.7	1306.3	1306.8	1306.3
142.5°	1341.0	1341.4	1341.8	1342.1	1342.6	1343.0	1343.0	1343.1	1343.3	1343.4	1342.6
145°	1395.2	1395.5	1395.5	1395.5	1395.5	1395.5	1395.7	1396.0	1396.3	1396.5	1395.9
147.5°	1439.2	1439.3	1439.7	1440.0	1440.3	1440.6	1441.0	1441.3	1441.6	1441.9	1441.1
150°	1466.9	1466.9	1467.5	1468.0	1468.5	1469.1	1469.7	1470.1	1470.7	1471.3	1470.5
152.5°	1492.7	1492.4	1493.0	1493.5	1494.1	1494.6	1495.2	1495.7	1496.2	1496.8	1496.1
155°	1527.6	1527.1	1527.6	1528.1	1528.7	1529.3	1530.1	1530.9	1531.7	1532.5	1531.8
157.5°	1558.4	1558.0	1558.0	1558.1	1558.1	1558.2	1559.1	1559.9	1560.8	1561.7	1561.1
160°	1575.5	1574.8	1575.1	1575.3	1575.6	1575.9	1577.0	1578.0	1579.2	1580.2	1579.7
162.5°	1591.1	1590.5	1590.7	1591.1	1591.3	1591.5	1593.1	1594.6	1596.2	1597.7	1597.3
165°	1612.3	1611.6	1611.8	1612.2	1612.4	1612.7	1614.3	1615.9	1617.6	1619.3	1618.9
167.5°	1627.7	1627.1	1627.3	1627.6	1627.9	1628.2	1630.1	1632.1	1634.0	1636.0	1635.7
170°	1635.7	1634.9	1635.2	1635.5	1635.7	1636.0	1638.2	1640.4	1642.6	1644.7	1644.6
172.5°	1641.6	1641.0	1641.4	1641.9	1642.4	1642.9	1644.9	1646.8	1648.8	1650.7	1650.5
175°	1649.1	1648.5	1648.7	1648.9	1649.3	1649.5	1651.7	1653.8	1656.0	1658.2	1658.1
177.5°	1653.3	1652.8	1653.0	1653.3	1653.4	1653.7	1655.2	1656.8	1658.2	1659.8	1659.7
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



TEST NUMBER: P333676-930

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	722.8	720.0	719.3	720.2	719.3	720.0	722.8	723.0	723.3	725.2	722.5
5°	666.8	663.7	665.3	664.6	665.3	663.7	666.8	669.9	670.5	673.3	675.1
7.5°	617.6	613.8	609.7	611.0	609.7	613.8	617.6	617.7	622.5	626.1	628.5
10°	583.2	580.1	578.2	579.8	578.2	580.1	583.2	587.2	589.1	593.4	598.0
12.5°	554.2	552.4	550.7	550.1	550.7	552.4	554.2	558.5	562.8	567.9	573.0
15°	514.7	511.0	509.5	505.5	509.5	511.0	514.7	518.4	526.8	529.0	536.7
17.5°	478.3	477.1	473.1	471.4	473.1	477.1	478.3	481.5	485.3	493.3	499.2
20°	456.8	455.6	451.6	454.0	451.6	455.6	456.8	461.5	464.6	471.1	476.6
22.5°	439.0	436.3	435.0	434.2	435.0	436.3	439.0	441.2	445.2	451.3	457.5
25°	413.8	409.8	408.2	406.3	408.2	409.8	413.8	415.0	419.3	425.3	428.6
27.5°	388.7	386.5	384.4	383.9	384.4	386.5	388.7	390.4	394.1	399.3	405.4
30°	372.3	370.1	368.5	368.5	368.5	370.1	372.3	376.0	378.8	383.4	388.1
32.5°	357.7	356.0	354.4	354.2	354.4	356.0	357.7	359.6	362.9	368.0	372.9
35°	336.3	333.9	333.2	331.4	333.2	333.9	336.3	337.9	341.3	345.0	349.0
37.5°	314.2	312.2	312.1	311.9	312.1	312.2	314.2	317.0	319.8	323.2	328.1
40°	300.1	298.6	298.2	296.1	298.2	298.6	300.1	301.3	304.4	308.8	312.5
42.5°	285.0	284.2	283.2	282.2	283.2	284.2	285.0	287.5	290.1	293.2	297.9
45°	264.5	262.4	262.4	260.8	262.4	262.4	264.5	266.7	267.9	271.6	277.8
47.5°	243.3	241.7	241.8	240.2	241.8	241.7	243.3	244.0	246.0	249.6	253.1
50°	229.2	228.3	228.0	227.3	228.0	228.3	229.2	228.9	231.4	234.7	239.4
52.5°	215.1	214.7	215.8	214.4	215.8	214.7	215.1	215.7	217.4	219.6	224.0
55°	196.1	195.1	197.0	195.1	197.0	195.1	196.1	195.4	196.1	198.2	201.0
57.5°	174.1	173.3	175.0	174.1	175.0	173.3	174.1	174.3	176.2	176.5	179.0
60°	159.8	157.9	158.9	159.2	158.9	157.9	159.8	160.5	161.0	161.3	163.9
62.5°	142.7	141.6	142.3	140.9	142.3	141.6	142.7	144.1	145.4	147.0	148.5
65°	118.6	117.7	116.4	115.9	116.4	117.7	118.6	119.3	122.6	124.5	127.9
67.5°	99.6	97.4	97.3	97.8	97.3	97.4	99.6	99.5	102.0	103.5	105.8
70°	85.8	85.8	85.4	85.4	85.4	85.8	85.8	87.6	88.9	90.1	91.6
72.5°	76.1	75.9	75.3	75.1	75.3	75.9	76.1	76.7	77.5	78.8	80.3
75°	61.3	61.6	61.0	60.7	61.0	61.6	61.3	61.3	62.5	62.9	63.5
77.5°	45.2	43.9	44.7	43.9	44.7	43.9	45.2	46.6	47.0	48.3	48.3
80°	34.4	34.1	35.0	34.1	35.0	34.1	34.4	34.4	35.3	36.0	37.5
82.5°	27.2	26.9	27.3	26.7	27.3	26.9	27.2	26.9	27.4	28.2	28.0
85°	16.4	16.1	15.8	16.1	15.8	16.1	16.4	16.1	15.8	16.1	16.4
87.5°	11.1	11.0	11.2	11.3	11.2	11.0	11.1	10.7	10.7	10.4	10.2
90°	27.0	27.8	28.6	29.4	28.6	27.8	27.0	26.2	25.1	23.7	22.3
92.5°	26.3	26.7	27.1	27.5	27.1	26.7	26.3	25.9	25.1	23.7	22.3
95°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.1	23.7	22.3
97.5°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	29.6	37.3	45.0
100°	29.0	28.0	26.9	25.8	26.9	28.0	29.0	30.2	51.0	91.6	132.2
102.5°	210.0	191.5	172.9	154.4	172.9	191.5	210.0	228.6	241.7	249.4	257.1
105°	365.3	365.1	364.8	364.5	364.8	365.1	365.3	365.6	365.7	365.7	365.7
107.5°	461.9	461.1	460.3	459.5	460.3	461.1	461.9	462.8	463.2	463.1	463.1
110°	524.5	524.7	525.1	525.3	525.1	524.7	524.5	524.2	524.5	525.3	526.1



TEST NUMBER: P333676-930

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	585.4	585.0	584.6	584.2	584.6	585.0	585.4	585.7	586.4	587.5	588.5
115°	677.5	675.8	674.2	672.5	674.2	675.8	677.5	679.1	680.4	681.6	682.7
117.5°	769.0	768.3	767.5	766.8	767.5	768.3	769.0	769.6	770.7	772.2	773.6
120°	828.8	827.4	826.1	824.8	826.1	827.4	828.8	830.2	831.2	831.7	832.3
122.5°	884.5	882.9	881.3	879.7	881.3	882.9	884.5	886.1	887.1	887.7	888.2
125°	965.9	965.1	964.3	963.4	964.3	965.1	965.9	966.7	967.7	968.7	969.9
127.5°	1039.9	1038.0	1035.9	1033.9	1035.9	1038.0	1039.9	1042.0	1043.3	1043.9	1044.5
130°	1089.1	1087.7	1086.3	1084.9	1086.3	1087.7	1089.1	1090.4	1091.5	1092.3	1093.2
132.5°	1136.2	1134.8	1133.4	1132.0	1133.4	1134.8	1136.2	1137.5	1138.3	1138.5	1138.6
135°	1201.5	1199.9	1198.2	1196.6	1198.2	1199.9	1201.5	1203.1	1204.3	1204.8	1205.3
137.5°	1265.7	1264.3	1262.8	1261.4	1262.8	1264.3	1265.7	1267.1	1267.8	1267.6	1267.5
140°	1304.6	1303.0	1301.4	1299.8	1301.4	1303.0	1304.6	1306.3	1306.8	1306.3	1305.7
142.5°	1340.9	1339.3	1337.7	1336.0	1337.7	1339.3	1340.9	1342.6	1343.4	1343.3	1343.1
145°	1394.2	1392.6	1391.0	1389.4	1391.0	1392.6	1394.2	1395.9	1396.5	1396.3	1396.0
147.5°	1439.2	1437.2	1435.3	1433.3	1435.3	1437.2	1439.2	1441.1	1441.9	1441.6	1441.3
150°	1468.3	1466.1	1464.0	1461.8	1464.0	1466.1	1468.3	1470.5	1471.3	1470.7	1470.1
152.5°	1494.1	1492.2	1490.2	1488.2	1490.2	1492.2	1494.1	1496.1	1496.8	1496.2	1495.7
155°	1529.7	1527.5	1525.3	1523.1	1525.3	1527.5	1529.7	1531.8	1532.5	1531.7	1530.9
157.5°	1558.9	1556.7	1554.4	1552.3	1554.4	1556.7	1558.9	1561.1	1561.7	1560.8	1559.9
160°	1577.5	1575.3	1573.1	1571.0	1573.1	1575.3	1577.5	1579.7	1580.2	1579.2	1578.0
162.5°	1594.9	1592.4	1590.1	1587.6	1590.1	1592.4	1594.9	1597.3	1597.7	1596.2	1594.6
165°	1616.8	1614.6	1612.4	1610.2	1612.4	1614.6	1616.8	1618.9	1619.3	1617.6	1615.9
167.5°	1633.3	1630.8	1628.4	1626.0	1628.4	1630.8	1633.3	1635.7	1636.0	1634.0	1632.1
170°	1642.2	1639.7	1637.2	1634.8	1637.2	1639.7	1642.2	1644.6	1644.7	1642.6	1640.4
172.5°	1648.0	1645.6	1643.2	1640.7	1643.2	1645.6	1648.0	1650.5	1650.7	1648.8	1646.8
175°	1655.6	1653.2	1650.7	1648.3	1650.7	1653.2	1655.6	1658.1	1658.2	1656.0	1653.8
177.5°	1657.9	1656.2	1654.4	1652.7	1654.4	1656.2	1657.9	1659.7	1659.8	1658.2	1656.8
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	723.3	725.9	727.4	730.9	735.9	738.3	741.8	744.3	747.8	752.0	755.5
5°	676.4	683.9	688.8	696.5	703.7	710.8	719.7	726.3	734.9	744.9	752.6
7.5°	632.9	642.2	650.4	660.6	672.5	681.6	693.3	705.2	718.8	732.9	746.2
10°	605.2	614.5	624.7	637.4	649.1	661.5	675.5	689.4	706.5	722.3	740.2
12.5°	577.6	587.9	599.4	613.6	627.9	643.7	657.9	673.5	691.9	712.3	731.6
15°	543.6	553.4	565.8	577.9	594.4	611.6	630.6	651.3	671.7	694.7	718.5
17.5°	507.0	517.8	531.5	545.4	562.7	583.0	601.6	624.3	647.3	674.0	702.1
20°	483.1	494.3	510.4	525.9	541.7	561.5	583.5	606.7	631.2	659.3	690.6
22.5°	464.3	472.2	488.1	503.9	522.4	542.7	564.2	588.4	615.1	644.2	677.0
25°	436.3	445.6	457.1	473.5	492.8	514.1	535.8	561.5	590.6	620.4	655.3
27.5°	411.6	419.1	430.5	443.4	462.5	484.7	507.8	534.6	564.4	594.7	631.5
30°	394.0	402.4	413.1	426.8	442.0	466.1	489.7	516.0	546.3	577.6	615.4
32.5°	378.6	387.2	396.6	409.4	425.8	447.3	471.6	497.4	528.2	560.5	597.3
35°	357.1	363.0	371.6	384.3	400.5	417.8	442.5	469.9	499.9	533.3	570.1
37.5°	332.5	340.1	348.7	359.7	373.8	392.6	415.6	443.2	471.1	503.1	536.7
40°	318.0	325.2	334.8	342.8	357.8	374.7	395.8	424.6	452.5	482.5	513.1
42.5°	303.5	310.3	318.5	328.5	341.9	358.4	378.0	404.8	434.6	462.9	488.7
45°	280.6	287.7	295.5	304.8	317.2	333.2	352.8	377.2	403.2	429.3	448.7
47.5°	258.7	265.4	272.7	282.3	293.7	309.2	326.7	348.3	373.6	395.7	409.6
50°	243.1	249.3	257.4	266.7	277.8	292.4	309.1	330.4	351.6	371.6	384.3
52.5°	227.8	234.7	242.7	250.8	261.5	276.0	291.5	309.9	330.0	346.3	356.9
55°	204.7	211.2	218.7	227.0	237.6	250.0	266.4	280.9	296.7	310.6	316.8
57.5°	182.5	188.2	195.2	203.8	213.4	224.9	237.8	251.8	263.0	272.9	279.9
60°	167.9	172.8	179.3	186.8	197.0	207.5	219.2	232.3	240.9	249.3	255.8
62.5°	153.0	157.7	164.0	170.6	179.6	189.4	200.7	211.2	219.6	225.3	232.8
65°	130.7	135.3	140.6	147.7	154.8	162.9	173.1	180.8	186.8	193.0	197.6
67.5°	110.0	113.8	118.8	124.4	130.4	138.1	146.0	152.5	156.5	160.2	165.8
70°	96.3	99.4	103.5	107.8	114.3	122.1	128.2	133.1	136.0	139.7	146.5
72.5°	82.4	86.0	89.8	94.2	99.4	105.9	111.4	116.3	118.1	121.1	125.4
75°	65.1	66.9	70.0	73.1	76.8	82.3	87.6	88.9	90.4	92.9	96.0
77.5°	49.2	50.9	52.1	54.1	57.1	61.6	64.3	66.2	66.6	67.5	70.5
80°	39.1	39.9	41.2	42.7	43.9	47.7	49.2	51.1	51.7	52.7	54.2
82.5°	28.6	29.5	30.3	31.6	33.6	35.1	36.6	38.5	38.6	39.3	39.5
85°	16.7	17.0	16.4	17.0	17.4	17.9	19.5	21.0	20.8	20.5	21.4
87.5°	10.1	9.9	9.2	9.6	8.7	8.6	8.2	8.0	8.1	8.2	8.2
90°	21.0	19.6	17.7	15.8	13.9	12.0	9.9	7.7	5.6	3.4	1.2
92.5°	21.0	19.6	17.9	16.2	14.6	12.9	12.8	14.3	15.8	17.4	18.9
95°	21.0	19.6	30.0	40.4	50.7	61.1	66.7	67.5	68.3	69.1	70.0
97.5°	52.7	60.4	80.9	101.4	121.9	142.4	152.0	150.5	149.0	147.5	146.0
100°	172.9	213.5	212.5	211.4	210.3	209.2	208.2	207.4	206.6	205.8	205.0
102.5°	264.8	272.5	271.8	271.2	270.5	269.9	269.0	268.0	266.9	265.9	264.9
105°	365.7	365.7	365.7	365.7	365.7	365.7	365.2	364.1	363.1	361.9	360.9
107.5°	463.0	462.9	462.4	461.9	461.3	460.7	460.5	460.5	460.5	460.5	460.5
110°	526.9	527.7	527.2	526.7	526.1	525.5	525.3	525.3	525.3	525.3	525.3



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	589.5	590.6	590.3	590.0	589.6	589.3	588.8	588.2	587.5	586.9	586.2
115°	683.7	684.9	684.6	684.3	684.0	683.7	682.9	681.6	680.2	678.8	677.5
117.5°	774.9	776.4	775.3	774.3	773.3	772.3	771.8	771.8	771.8	771.9	772.0
120°	832.8	833.3	832.5	831.7	830.9	830.1	829.8	830.1	830.4	830.6	830.9
122.5°	888.8	889.3	888.9	888.5	888.2	887.8	887.0	886.1	885.0	883.9	883.0
125°	970.9	972.0	972.0	972.0	972.0	972.0	971.1	969.1	967.3	965.3	963.4
127.5°	1045.1	1045.7	1045.9	1046.0	1046.2	1046.4	1045.7	1044.4	1043.0	1041.6	1040.2
130°	1094.0	1094.8	1094.5	1094.2	1094.0	1093.6	1092.8	1091.5	1090.1	1088.8	1087.4
132.5°	1138.8	1139.0	1139.5	1140.1	1140.8	1141.3	1140.8	1139.3	1137.7	1136.1	1134.5
135°	1205.9	1206.5	1207.0	1207.5	1208.1	1208.6	1208.1	1206.5	1204.8	1203.1	1201.5
137.5°	1267.5	1267.3	1267.8	1268.3	1268.8	1269.3	1268.9	1267.4	1266.0	1264.5	1263.1
140°	1305.2	1304.6	1304.9	1305.2	1305.5	1305.7	1305.6	1305.0	1304.5	1304.0	1303.4
142.5°	1343.0	1343.0	1342.6	1342.1	1341.8	1341.4	1341.0	1340.7	1340.4	1340.0	1339.7
145°	1395.7	1395.5	1395.5	1395.5	1395.5	1395.5	1395.2	1394.7	1394.1	1393.5	1393.0
147.5°	1441.0	1440.6	1440.3	1440.0	1439.7	1439.3	1439.2	1439.3	1439.4	1439.5	1439.7
150°	1469.7	1469.1	1468.5	1468.0	1467.5	1466.9	1466.9	1467.5	1468.0	1468.5	1469.1
152.5°	1495.2	1494.6	1494.1	1493.5	1493.0	1492.4	1492.7	1494.0	1495.2	1496.4	1497.5
155°	1530.1	1529.3	1528.7	1528.1	1527.6	1527.1	1527.6	1529.3	1530.9	1532.5	1534.1
157.5°	1559.1	1558.2	1558.1	1558.1	1558.0	1558.0	1558.4	1559.4	1560.4	1561.4	1562.4
160°	1577.0	1575.9	1575.6	1575.3	1575.1	1574.8	1575.5	1577.1	1578.7	1580.4	1582.0
162.5°	1593.1	1591.5	1591.3	1591.1	1590.7	1590.5	1591.1	1592.8	1594.5	1596.1	1597.7
165°	1614.3	1612.7	1612.4	1612.2	1611.8	1611.6	1612.3	1613.9	1615.5	1617.2	1618.9
167.5°	1630.1	1628.2	1627.9	1627.6	1627.3	1627.1	1627.7	1629.5	1631.2	1632.9	1634.5
170°	1638.2	1636.0	1635.7	1635.5	1635.2	1634.9	1635.7	1637.6	1639.6	1641.4	1643.4
172.5°	1644.9	1642.9	1642.4	1641.9	1641.4	1641.0	1641.6	1643.6	1645.4	1647.4	1649.3
175°	1651.7	1649.5	1649.3	1648.9	1648.7	1648.5	1649.1	1650.7	1652.4	1654.0	1655.6
177.5°	1655.2	1653.7	1653.4	1653.3	1653.0	1652.8	1653.3	1654.6	1656.0	1657.3	1658.6
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	758.1	760.4	763.6	767.4	770.3	773.6	775.3	775.3	776.7	780.0	784.2
5°	760.3	768.4	776.2	786.0	793.8	802.7	809.6	816.1	822.0	829.4	837.1
7.5°	759.7	773.1	787.0	802.7	819.9	833.6	847.6	858.7	869.5	883.8	895.0
10°	757.2	774.6	793.4	813.3	834.9	853.9	870.9	886.4	901.2	916.7	930.7
12.5°	752.8	774.9	797.9	821.7	849.1	870.7	892.7	909.2	926.5	943.5	960.7
15°	746.1	772.1	800.0	833.2	866.6	890.7	912.4	933.8	949.9	969.1	985.5
17.5°	732.3	765.8	800.9	837.1	869.2	897.3	920.0	940.4	957.5	978.6	1000.9
20°	724.1	760.3	796.9	835.6	866.3	895.0	917.0	938.1	959.4	987.1	1014.3
22.5°	712.7	751.4	790.2	827.0	859.3	887.1	909.9	935.6	963.7	995.0	1027.9
25°	694.7	734.7	773.1	808.0	839.6	868.1	899.1	933.8	967.8	1009.0	1056.4
27.5°	671.8	710.4	744.6	781.5	813.0	849.2	887.9	925.4	974.6	1031.3	1090.5
30°	654.7	691.3	723.8	758.8	794.4	834.4	877.8	922.0	980.6	1047.1	1117.4
32.5°	634.9	668.0	700.3	734.0	775.1	819.0	865.1	919.2	989.2	1064.9	1137.8
35°	600.5	630.2	661.5	699.0	742.7	790.4	849.2	915.2	999.7	1081.2	1146.6
37.5°	564.5	587.9	619.4	658.8	706.5	761.7	828.4	908.6	995.4	1068.5	1096.3
40°	536.7	558.7	591.8	633.3	680.4	740.9	815.8	898.1	985.5	1036.2	1034.1
42.5°	509.2	531.5	563.4	605.1	654.2	721.8	798.9	884.5	958.2	977.5	937.3
45°	467.0	487.8	519.1	561.2	613.8	684.8	765.9	848.0	895.0	863.8	783.9
47.5°	424.0	444.2	473.2	514.5	571.9	646.2	722.9	790.3	796.9	729.7	633.8
50°	395.8	414.7	442.3	486.2	542.0	614.5	688.5	741.4	725.0	642.9	544.1
52.5°	368.3	386.5	412.3	453.8	510.8	581.8	647.8	689.4	651.4	564.2	475.3
55°	327.7	345.0	371.0	409.1	460.8	525.9	583.8	599.0	543.2	455.3	383.4
57.5°	289.1	301.7	327.5	361.2	411.1	468.4	509.9	507.2	445.6	366.5	315.0
60°	263.6	275.0	299.5	330.4	377.8	429.3	458.4	446.0	383.8	318.4	268.8
62.5°	239.8	250.5	271.0	299.5	340.2	384.9	406.1	389.0	330.2	272.8	233.4
65°	203.8	211.6	228.0	254.3	286.2	317.2	336.1	311.0	258.9	215.6	185.8
67.5°	170.2	176.8	191.4	210.3	232.4	253.7	261.4	237.8	197.4	168.2	147.2
70°	148.4	154.6	164.4	182.1	196.7	211.8	215.6	194.5	160.8	138.4	125.4
72.5°	127.5	133.2	141.9	154.3	164.4	173.2	175.0	155.3	129.6	114.1	104.1
75°	97.3	102.2	107.8	112.4	119.0	120.5	119.8	104.7	90.7	80.6	74.9
77.5°	71.5	73.5	77.0	78.8	79.1	79.0	75.8	66.2	59.0	54.8	52.5
80°	55.1	56.7	57.6	58.2	58.5	55.4	52.0	46.1	43.7	41.2	38.4
82.5°	40.0	41.1	42.0	42.2	40.4	37.8	34.7	31.8	30.0	28.8	27.7
85°	21.7	22.0	21.7	20.1	17.9	17.0	16.4	15.8	15.5	15.2	15.2
87.5°	8.4	8.1	7.3	7.9	8.3	8.5	8.9	9.0	9.1	9.4	9.7
90°	3.4	5.6	7.7	9.9	12.0	13.9	15.8	17.7	19.6	21.0	22.3
92.5°	17.4	15.8	14.3	12.8	12.9	14.6	16.2	17.9	19.6	21.0	22.3
95°	69.1	68.3	67.5	66.7	61.1	50.7	40.4	30.0	19.6	21.0	22.3
97.5°	147.5	149.0	150.5	152.0	142.4	121.9	101.4	80.9	60.4	52.7	45.0
100°	205.8	206.6	207.4	208.2	209.2	210.3	211.4	212.5	213.5	172.9	132.2
102.5°	265.9	266.9	268.0	269.0	269.9	270.5	271.2	271.8	272.5	264.8	257.1
105°	361.9	363.1	364.1	365.2	365.7	365.7	365.7	365.7	365.7	365.7	365.7
107.5°	460.5	460.5	460.5	460.5	460.7	461.3	461.9	462.4	462.9	463.0	463.1
110°	525.3	525.3	525.3	525.3	525.5	526.1	526.7	527.2	527.7	526.9	526.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	586.9	587.5	588.2	588.8	589.3	589.6	590.0	590.3	590.6	589.5	588.5
115°	678.8	680.2	681.6	682.9	683.7	684.0	684.3	684.6	684.9	683.7	682.7
117.5°	771.9	771.8	771.8	771.8	772.3	773.3	774.3	775.3	776.4	774.9	773.6
120°	830.6	830.4	830.1	829.8	830.1	830.9	831.7	832.5	833.3	832.8	832.3
122.5°	883.9	885.0	886.1	887.0	887.8	888.2	888.5	888.9	889.3	888.8	888.2
125°	965.3	967.3	969.1	971.1	972.0	972.0	972.0	972.0	972.0	970.9	969.9
127.5°	1041.6	1043.0	1044.4	1045.7	1046.4	1046.2	1046.0	1045.9	1045.7	1045.1	1044.5
130°	1088.8	1090.1	1091.5	1092.8	1093.6	1094.0	1094.2	1094.5	1094.8	1094.0	1093.2
132.5°	1136.1	1137.7	1139.3	1140.8	1141.3	1140.8	1140.1	1139.5	1139.0	1138.8	1138.6
135°	1203.1	1204.8	1206.5	1208.1	1208.6	1208.1	1207.5	1207.0	1206.5	1205.9	1205.3
137.5°	1264.5	1266.0	1267.4	1268.9	1269.3	1268.8	1268.3	1267.8	1267.3	1267.5	1267.5
140°	1304.0	1304.5	1305.0	1305.6	1305.7	1305.5	1305.2	1304.9	1304.6	1305.2	1305.7
142.5°	1340.0	1340.4	1340.7	1341.0	1341.4	1341.8	1342.1	1342.6	1343.0	1343.0	1343.1
145°	1393.5	1394.1	1394.7	1395.2	1395.5	1395.5	1395.5	1395.5	1395.5	1395.7	1396.0
147.5°	1439.5	1439.4	1439.3	1439.2	1439.3	1439.7	1440.0	1440.3	1440.6	1441.0	1441.3
150°	1468.5	1468.0	1467.5	1466.9	1466.9	1467.5	1468.0	1468.5	1469.1	1469.7	1470.1
152.5°	1496.4	1495.2	1494.0	1492.7	1492.4	1493.0	1493.5	1494.1	1494.6	1495.2	1495.7
155°	1532.5	1530.9	1529.3	1527.6	1527.1	1527.6	1528.1	1528.7	1529.3	1530.1	1530.9
157.5°	1561.4	1560.4	1559.4	1558.4	1558.0	1558.0	1558.1	1558.1	1558.2	1559.1	1559.9
160°	1580.4	1578.7	1577.1	1575.5	1574.8	1575.1	1575.3	1575.6	1575.9	1577.0	1578.0
162.5°	1596.1	1594.5	1592.8	1591.1	1590.5	1590.7	1591.1	1591.3	1591.5	1593.1	1594.6
165°	1617.2	1615.5	1613.9	1612.3	1611.6	1611.8	1612.2	1612.4	1612.7	1614.3	1615.9
167.5°	1632.9	1631.2	1629.5	1627.7	1627.1	1627.3	1627.6	1627.9	1628.2	1630.1	1632.1
170°	1641.4	1639.6	1637.6	1635.7	1634.9	1635.2	1635.5	1635.7	1636.0	1638.2	1640.4
172.5°	1647.4	1645.4	1643.6	1641.6	1641.0	1641.4	1641.9	1642.4	1642.9	1644.9	1646.8
175°	1654.0	1652.4	1650.7	1649.1	1648.5	1648.7	1648.9	1649.3	1649.5	1651.7	1653.8
177.5°	1657.3	1656.0	1654.6	1653.3	1652.8	1653.0	1653.3	1653.4	1653.7	1655.2	1656.8
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	787.4	787.4	791.7	791.3	794.1	793.1	793.6
5°	846.4	851.7	856.3	859.4	864.1	865.4	864.7
7.5°	907.7	919.3	925.0	932.9	934.3	938.3	937.9
10°	945.5	957.0	965.6	972.5	975.9	980.2	980.6
12.5°	975.3	985.0	992.7	999.0	1003.1	1004.5	1005.3
15°	998.5	1009.3	1018.3	1027.3	1032.6	1036.6	1038.8
17.5°	1021.9	1038.6	1054.5	1066.7	1074.0	1080.2	1080.1
20°	1040.0	1059.2	1079.0	1093.0	1107.2	1113.4	1114.4
22.5°	1059.3	1088.7	1114.2	1135.8	1154.5	1161.0	1163.4
25°	1099.4	1137.8	1177.2	1207.5	1229.2	1241.9	1243.8
27.5°	1147.9	1200.0	1241.3	1269.3	1287.4	1296.7	1298.8
30°	1182.2	1230.1	1267.3	1288.4	1296.7	1298.0	1293.3
32.5°	1197.5	1233.4	1248.2	1247.0	1230.6	1219.7	1215.5
35°	1178.8	1171.3	1135.1	1091.7	1058.6	1037.5	1031.9
37.5°	1072.7	1008.6	941.9	876.4	841.6	823.9	793.4
40°	968.2	876.8	807.4	752.3	713.0	681.3	673.9
42.5°	850.2	755.9	686.5	639.3	607.9	586.2	576.8
45°	683.2	602.1	544.8	508.5	484.4	468.6	461.5
47.5°	546.4	483.6	441.9	415.1	396.6	382.9	379.1
50°	471.4	421.2	385.9	363.3	349.4	338.8	334.5
52.5°	409.4	368.9	341.8	323.2	310.0	303.4	299.8
55°	337.9	302.9	283.4	268.5	261.1	255.8	253.3
57.5°	276.3	251.0	236.8	226.5	219.6	216.3	215.1
60°	241.9	222.1	209.0	201.0	196.3	192.0	190.8
62.5°	211.4	195.8	185.7	178.7	174.1	172.2	171.5
65°	170.3	160.1	152.7	148.4	144.6	144.0	143.7
67.5°	135.4	129.4	125.5	121.0	119.7	117.5	117.1
70°	115.9	111.8	107.1	105.6	104.0	101.9	102.2
72.5°	98.2	94.2	91.1	89.0	88.5	87.6	88.3
75°	71.8	70.6	69.4	67.8	67.2	67.2	66.9
77.5°	51.3	50.2	48.8	47.9	47.8	46.5	47.0
80°	37.2	35.6	35.0	35.3	34.4	34.1	34.1
82.5°	27.5	26.9	26.3	26.4	26.2	25.9	26.2
85°	15.2	14.8	14.8	14.6	14.6	14.3	14.3
87.5°	10.2	10.7	10.4	10.4	10.5	10.9	11.3
90°	23.7	25.1	26.2	27.0	27.8	28.6	29.4
92.5°	23.7	25.1	25.9	26.3	26.7	27.1	27.5
95°	23.7	25.1	25.8	25.8	25.8	25.8	25.8
97.5°	37.3	29.6	25.8	25.8	25.8	25.8	25.8
100°	91.6	51.0	30.2	29.0	28.0	26.9	25.8
102.5°	249.4	241.7	228.6	210.0	191.5	172.9	154.4
105°	365.7	365.7	365.6	365.3	365.1	364.8	364.5
107.5°	463.1	463.2	462.8	461.9	461.1	460.3	459.5
110°	525.3	524.5	524.2	524.5	524.7	525.1	525.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	587.5	586.4	585.7	585.4	585.0	584.6	584.2
115°	681.6	680.4	679.1	677.5	675.8	674.2	672.5
117.5°	772.2	770.7	769.6	769.0	768.3	767.5	766.8
120°	831.7	831.2	830.2	828.8	827.4	826.1	824.8
122.5°	887.7	887.1	886.1	884.5	882.9	881.3	879.7
125°	968.7	967.7	966.7	965.9	965.1	964.3	963.4
127.5°	1043.9	1043.3	1042.0	1039.9	1038.0	1035.9	1033.9
130°	1092.3	1091.5	1090.4	1089.1	1087.7	1086.3	1084.9
132.5°	1138.5	1138.3	1137.5	1136.2	1134.8	1133.4	1132.0
135°	1204.8	1204.3	1203.1	1201.5	1199.9	1198.2	1196.6
137.5°	1267.6	1267.8	1267.1	1265.7	1264.3	1262.8	1261.4
140°	1306.3	1306.8	1306.3	1304.6	1303.0	1301.4	1299.8
142.5°	1343.3	1343.4	1342.6	1340.9	1339.3	1337.7	1336.0
145°	1396.3	1396.5	1395.9	1394.2	1392.6	1391.0	1389.4
147.5°	1441.6	1441.9	1441.1	1439.2	1437.2	1435.3	1433.3
150°	1470.7	1471.3	1470.5	1468.3	1466.1	1464.0	1461.8
152.5°	1496.2	1496.8	1496.1	1494.1	1492.2	1490.2	1488.2
155°	1531.7	1532.5	1531.8	1529.7	1527.5	1525.3	1523.1
157.5°	1560.8	1561.7	1561.1	1558.9	1556.7	1554.4	1552.3
160°	1579.2	1580.2	1579.7	1577.5	1575.3	1573.1	1571.0
162.5°	1596.2	1597.7	1597.3	1594.9	1592.4	1590.1	1587.6
165°	1617.6	1619.3	1618.9	1616.8	1614.6	1612.4	1610.2
167.5°	1634.0	1636.0	1635.7	1633.3	1630.8	1628.4	1626.0
170°	1642.6	1644.7	1644.6	1642.2	1639.7	1637.2	1634.8
172.5°	1648.8	1650.7	1650.5	1648.0	1645.6	1643.2	1640.7
175°	1656.0	1658.2	1658.1	1655.6	1653.2	1650.7	1648.3
177.5°	1658.2	1659.8	1659.7	1657.9	1656.2	1654.4	1652.7
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6

(END OF REPORT)