

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: P333677-930

Luminaire Tested: **S125RDIW-S610D1560U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333677-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
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-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6367.1 lumens
Efficiency: N/A
Efficacy: 105.1 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

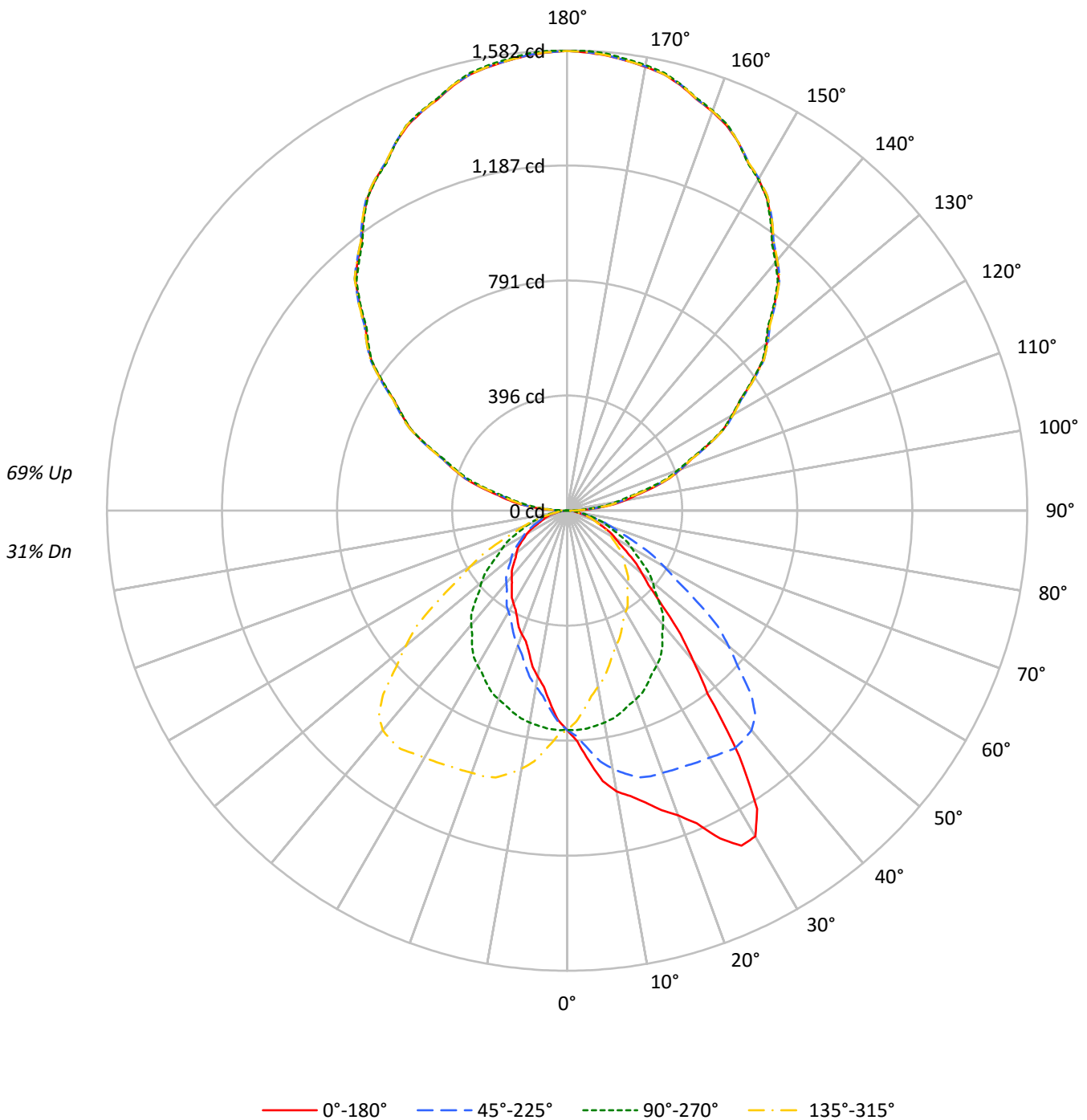
Input Watts (W): 60.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	0
RCR																		
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	38	38	38	31
1	94	90	86	83	84	81	78	75	64	62	60	49	47	46	34	34	33	26
2	86	79	73	68	77	71	66	62	56	53	50	43	41	39	31	29	28	23
3	78	69	62	57	70	62	57	52	50	46	42	38	35	33	27	26	24	19
4	71	61	54	48	64	55	49	44	44	40	36	34	31	28	24	22	21	17
5	66	54	47	41	59	49	43	38	40	35	31	31	27	25	22	20	18	15
6	60	49	41	35	54	44	38	33	36	31	27	28	24	22	20	18	16	13
7	56	44	36	31	50	40	33	29	32	27	24	25	22	19	18	16	14	12
8	52	40	32	27	46	36	30	25	29	24	21	23	19	17	17	15	13	10
9	48	36	29	24	43	33	27	22	27	22	19	21	18	15	15	13	12	9
10	45	33	26	22	40	30	24	20	25	20	17	19	16	14	14	12	11	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	1.1
10°-20°	212.0	3.3
20°-30°	336.2	5.3
30°-40°	405.4	6.4
40°-50°	362.0	5.7
50°-60°	277.6	4.4
60°-70°	180.4	2.8
70°-80°	87.7	1.4
80°-90°	24.4	0.4
90°-100°	105.8	1.7
100°-110°	312.5	4.9
110°-120°	529.3	8.3
120°-130°	696.6	10.9
130°-140°	780.6	12.3
140°-150°	765.0	12.0
150°-160°	642.6	10.1
160°-170°	427.1	6.7
170°-180°	149.5	2.3
0°-30°	620.5	9.7
0°-40°	1025.9	16.1
0°-60°	1665.6	26.2
0°-90°	1958.1	30.8
90°-120°	947.6	14.9
90°-150°	3189.8	50.1
90°-180°	4409.0	69.2
0°-180°	6367.1	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°	30	1	30	1	30	18
95°	106	80	106	80	106	108
105°	305	280	305	280	305	323
115°	535	530	535	530	535	529
125°	778	773	778	773	778	695
135°	1010	1006	1010	1006	1010	779
145°	1223	1218	1223	1218	1223	764
155°	1394	1394	1394	1394	1394	642
165°	1512	1516	1512	1516	1512	426
175°	1570	1576	1570	1576	1570	149
180°	1580	1580	1580	1580	1580	



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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	10.8	10.2	9.7	9.4	9.1	9.0
90°	29.5	28.7	27.9	27.1	26.3	25.1	23.8	22.4	21.0	19.6	17.8
92.5°	58.0	57.4	56.8	56.3	55.6	54.5	52.6	50.8	49.0	47.2	44.8
95°	105.7	105.2	104.7	104.1	103.5	102.3	100.4	98.5	96.6	94.7	92.0
97.5°	160.4	160.0	159.7	159.4	159.1	157.9	156.1	154.3	152.5	150.7	147.0
100°	201.6	201.1	200.6	200.0	199.5	198.0	195.5	193.1	190.6	188.1	184.6
102.5°	243.0	242.2	241.4	240.7	239.9	238.1	235.5	232.8	230.2	227.5	225.7
105°	304.9	304.1	303.3	302.5	301.7	300.4	298.8	297.2	295.5	293.9	292.2
107.5°	368.4	368.4	368.5	368.5	368.6	368.2	367.4	366.6	365.7	364.9	363.7
110°	415.6	415.9	416.1	416.5	416.7	416.5	415.6	414.8	413.9	413.1	412.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	461.9	462.4	462.8	463.3	463.8	463.8	463.5	463.1	462.7	462.4	461.3
115°	534.9	535.2	535.4	535.7	536.0	536.2	536.5	536.8	537.0	537.4	536.8
117.5°	606.2	607.3	608.4	609.4	610.6	611.0	610.8	610.6	610.3	610.2	609.6
120°	655.4	656.5	657.5	658.7	659.7	660.3	660.3	660.3	660.3	660.3	660.0
122.5°	704.6	705.4	706.3	707.2	708.1	708.6	708.8	709.1	709.2	709.5	708.7
125°	778.4	778.6	778.9	779.2	779.4	779.8	780.4	781.0	781.5	782.0	781.8
127.5°	849.1	849.7	850.3	850.8	851.3	851.7	852.1	852.3	852.6	852.9	852.6
130°	896.4	896.9	897.5	898.1	898.5	898.9	899.3	899.5	899.8	900.1	899.5
132.5°	940.6	941.4	942.2	943.0	943.7	944.2	944.5	944.8	945.0	945.3	945.4
135°	1009.5	1010.6	1011.7	1012.8	1013.9	1014.4	1014.4	1014.4	1014.4	1014.4	1014.2
137.5°	1076.8	1078.2	1079.6	1081.0	1082.4	1082.9	1082.6	1082.2	1081.9	1081.6	1080.9
140°	1120.1	1121.5	1122.9	1124.3	1125.6	1126.0	1125.5	1124.9	1124.4	1123.9	1123.1
142.5°	1161.5	1162.9	1164.2	1165.6	1166.9	1167.5	1167.1	1166.8	1166.4	1166.1	1165.1
145°	1223.4	1224.3	1225.1	1225.9	1226.7	1227.1	1227.1	1227.1	1227.1	1227.1	1226.3
147.5°	1276.4	1278.2	1280.0	1281.9	1283.8	1284.3	1283.7	1283.0	1282.4	1281.7	1281.1
150°	1315.6	1316.2	1316.8	1317.3	1317.8	1318.2	1318.2	1318.2	1318.2	1318.2	1317.0
152.5°	1348.2	1349.2	1350.1	1351.1	1352.1	1352.3	1351.6	1351.0	1350.3	1349.6	1349.2
155°	1394.4	1395.7	1397.1	1398.5	1399.9	1400.0	1398.9	1397.7	1396.7	1395.6	1395.3
157.5°	1433.0	1434.8	1436.6	1438.4	1440.2	1440.6	1439.5	1438.4	1437.3	1436.1	1435.9
160°	1459.5	1460.9	1462.2	1463.6	1465.0	1465.2	1464.0	1463.0	1461.8	1460.8	1460.5
162.5°	1482.1	1483.8	1485.3	1486.9	1488.5	1488.7	1487.4	1486.0	1484.7	1483.4	1483.4
165°	1512.4	1514.1	1515.7	1517.4	1519.0	1519.2	1518.2	1517.0	1516.0	1514.9	1514.6
167.5°	1536.5	1538.2	1539.9	1541.6	1543.3	1543.3	1541.6	1540.0	1538.4	1536.8	1536.8
170°	1549.3	1551.2	1553.1	1555.0	1557.0	1557.1	1555.4	1553.8	1552.2	1550.5	1550.5
172.5°	1560.2	1561.8	1563.5	1565.2	1566.9	1566.9	1565.3	1563.7	1562.0	1560.4	1560.4
175°	1570.2	1572.1	1574.0	1576.0	1577.8	1578.0	1576.4	1574.8	1573.0	1571.4	1571.4
177.5°	1576.1	1577.6	1579.2	1580.7	1582.3	1582.3	1581.0	1579.7	1578.4	1577.1	1577.3
180°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1



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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	7.8	5.6	3.4	1.2	3.4	5.6	7.8
92.5°	42.5	40.2	37.8	35.9	34.3	32.9	31.3	29.8	31.3	32.9	34.3
95°	89.2	86.5	83.7	82.1	81.5	81.0	80.5	79.9	80.5	81.0	81.5
97.5°	143.2	139.4	135.7	133.7	133.5	133.2	133.0	132.8	133.0	133.2	133.5
100°	181.0	177.5	173.9	172.1	172.1	172.1	172.1	172.1	172.1	172.1	172.1
102.5°	223.9	222.1	220.3	218.8	217.7	216.6	215.6	214.4	215.6	216.6	217.7
105°	290.6	288.9	287.3	285.8	284.5	283.1	281.7	280.4	281.7	283.1	284.5
107.5°	362.4	361.2	360.0	358.6	357.3	355.9	354.5	353.1	354.5	355.9	357.3
110°	411.5	410.7	409.9	408.8	407.4	406.0	404.7	403.3	404.7	406.0	407.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	460.2	459.2	458.2	457.3	456.6	455.9	455.2	454.4	455.2	455.9	456.6
115°	536.2	535.7	535.2	534.3	533.2	532.1	531.1	529.9	531.1	532.1	533.2
117.5°	609.1	608.6	608.1	607.6	607.2	606.7	606.2	605.7	606.2	606.7	607.2
120°	659.7	659.5	659.2	658.4	657.0	655.7	654.3	652.9	654.3	655.7	657.0
122.5°	708.1	707.4	706.6	706.0	705.6	705.1	704.6	704.1	704.6	705.1	705.6
125°	781.5	781.2	781.0	780.0	778.4	776.7	775.0	773.4	775.0	776.7	778.4
127.5°	852.2	851.9	851.6	850.9	849.9	849.1	848.2	847.2	848.2	849.1	849.9
130°	898.9	898.5	897.9	896.9	895.5	894.2	892.8	891.4	892.8	894.2	895.5
132.5°	945.5	945.7	945.7	944.7	942.5	940.2	938.0	935.7	938.0	940.2	942.5
135°	1013.9	1013.6	1013.3	1012.4	1010.7	1009.1	1007.5	1005.8	1007.5	1009.1	1010.7
137.5°	1080.4	1079.8	1079.1	1078.1	1076.4	1074.9	1073.3	1071.7	1073.3	1074.9	1076.4
140°	1122.3	1121.4	1120.5	1119.5	1118.1	1116.7	1115.4	1114.0	1115.4	1116.7	1118.1
142.5°	1164.1	1163.0	1162.0	1160.9	1159.8	1158.6	1157.5	1156.3	1157.5	1158.6	1159.8
145°	1225.5	1224.7	1223.8	1222.9	1221.8	1220.7	1219.6	1218.5	1219.6	1220.7	1221.8
147.5°	1280.4	1279.8	1279.1	1278.5	1277.9	1277.2	1276.7	1276.1	1276.7	1277.2	1277.9
150°	1316.0	1314.8	1313.8	1313.4	1313.6	1313.9	1314.2	1314.4	1314.2	1313.9	1313.6
152.5°	1348.7	1348.3	1347.9	1347.4	1347.0	1346.7	1346.3	1345.9	1346.3	1346.7	1347.0
155°	1395.1	1394.8	1394.5	1394.4	1394.4	1394.4	1394.4	1394.4	1394.4	1394.4	1394.4
157.5°	1435.7	1435.3	1435.1	1435.3	1435.8	1436.5	1437.0	1437.6	1437.0	1436.5	1435.8
160°	1460.2	1460.0	1459.7	1460.0	1460.8	1461.6	1462.4	1463.2	1462.4	1461.6	1460.8
162.5°	1483.3	1483.2	1483.2	1483.4	1484.1	1484.7	1485.2	1485.9	1485.2	1484.7	1484.1
165°	1514.3	1514.1	1513.8	1513.9	1514.5	1515.0	1515.6	1516.1	1515.6	1515.0	1514.5
167.5°	1536.8	1536.8	1536.8	1537.3	1538.4	1539.5	1540.6	1541.6	1540.6	1539.5	1538.4
170°	1550.5	1550.5	1550.5	1551.1	1552.2	1553.2	1554.4	1555.4	1554.4	1553.2	1552.2
172.5°	1560.4	1560.4	1560.4	1560.9	1562.0	1563.1	1564.2	1565.3	1564.2	1563.1	1562.0
175°	1571.4	1571.4	1571.4	1572.0	1573.0	1574.2	1575.2	1576.4	1575.2	1574.2	1573.0
177.5°	1577.5	1577.8	1577.9	1578.5	1579.4	1580.3	1581.1	1582.0	1581.1	1580.3	1579.4
180°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1



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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	10.2	10.2	10.4	10.8	10.7
90°	9.9	12.0	13.9	15.8	17.8	19.6	21.0	22.4	23.8	25.1	26.3
92.5°	35.9	37.8	40.2	42.5	44.8	47.2	49.0	50.8	52.6	54.5	55.6
95°	82.1	83.7	86.5	89.2	92.0	94.7	96.6	98.5	100.4	102.3	103.5
97.5°	133.7	135.7	139.4	143.2	147.0	150.7	152.5	154.3	156.1	157.9	159.1
100°	172.1	173.9	177.5	181.0	184.6	188.1	190.6	193.1	195.5	198.0	199.5
102.5°	218.8	220.3	222.1	223.9	225.7	227.5	230.2	232.8	235.5	238.1	239.9
105°	285.8	287.3	288.9	290.6	292.2	293.9	295.5	297.2	298.8	300.4	301.7
107.5°	358.6	360.0	361.2	362.4	363.7	364.9	365.7	366.6	367.4	368.2	368.6
110°	408.8	409.9	410.7	411.5	412.3	413.1	413.9	414.8	415.6	416.5	416.7



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	457.3	458.2	459.2	460.2	461.3	462.4	462.7	463.1	463.5	463.8	463.8
115°	534.3	535.2	535.7	536.2	536.8	537.4	537.0	536.8	536.5	536.2	536.0
117.5°	607.6	608.1	608.6	609.1	609.6	610.2	610.3	610.6	610.8	611.0	610.6
120°	658.4	659.2	659.5	659.7	660.0	660.3	660.3	660.3	660.3	660.3	659.7
122.5°	706.0	706.6	707.4	708.1	708.7	709.5	709.2	709.1	708.8	708.6	708.1
125°	780.0	781.0	781.2	781.5	781.8	782.0	781.5	781.0	780.4	779.8	779.4
127.5°	850.9	851.6	851.9	852.2	852.6	852.9	852.6	852.3	852.1	851.7	851.3
130°	896.9	897.9	898.5	898.9	899.5	900.1	899.8	899.5	899.3	898.9	898.5
132.5°	944.7	945.7	945.7	945.5	945.4	945.3	945.0	944.8	944.5	944.2	943.7
135°	1012.4	1013.3	1013.6	1013.9	1014.2	1014.4	1014.4	1014.4	1014.4	1014.4	1013.9
137.5°	1078.1	1079.1	1079.8	1080.4	1080.9	1081.6	1081.9	1082.2	1082.6	1082.9	1082.4
140°	1119.5	1120.5	1121.4	1122.3	1123.1	1123.9	1124.4	1124.9	1125.5	1126.0	1125.6
142.5°	1160.9	1162.0	1163.0	1164.1	1165.1	1166.1	1166.4	1166.8	1167.1	1167.5	1166.9
145°	1222.9	1223.8	1224.7	1225.5	1226.3	1227.1	1227.1	1227.1	1227.1	1227.1	1226.7
147.5°	1278.5	1279.1	1279.8	1280.4	1281.1	1281.7	1282.4	1283.0	1283.7	1284.3	1283.8
150°	1313.4	1313.8	1314.8	1316.0	1317.0	1318.2	1318.2	1318.2	1318.2	1318.2	1317.8
152.5°	1347.4	1347.9	1348.3	1348.7	1349.2	1349.6	1350.3	1351.0	1351.6	1352.3	1352.1
155°	1394.4	1394.5	1394.8	1395.1	1395.3	1395.6	1396.7	1397.7	1398.9	1400.0	1399.9
157.5°	1435.3	1435.1	1435.3	1435.7	1435.9	1436.1	1437.3	1438.4	1439.5	1440.6	1440.2
160°	1460.0	1459.7	1460.0	1460.2	1460.5	1460.8	1461.8	1463.0	1464.0	1465.2	1465.0
162.5°	1483.4	1483.2	1483.2	1483.3	1483.4	1483.4	1484.7	1486.0	1487.4	1488.7	1488.5
165°	1513.9	1513.8	1514.1	1514.3	1514.6	1514.9	1516.0	1517.0	1518.2	1519.2	1519.0
167.5°	1537.3	1536.8	1536.8	1536.8	1536.8	1536.8	1538.4	1540.0	1541.6	1543.3	1543.3
170°	1551.1	1550.5	1550.5	1550.5	1550.5	1550.5	1552.2	1553.8	1555.4	1557.1	1557.0
172.5°	1560.9	1560.4	1560.4	1560.4	1560.4	1560.4	1562.0	1563.7	1565.3	1566.9	1566.9
175°	1572.0	1571.4	1571.4	1571.4	1571.4	1571.4	1573.0	1574.8	1576.4	1578.0	1577.8
177.5°	1578.5	1577.9	1577.8	1577.5	1577.3	1577.1	1578.4	1579.7	1581.0	1582.3	1582.3
180°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1



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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	10.8	10.4	10.2
90°	27.1	27.9	28.7	29.5	28.7	27.9	27.1	26.3	25.1	23.8	22.4
92.5°	56.3	56.8	57.4	58.0	57.4	56.8	56.3	55.6	54.5	52.6	50.8
95°	104.1	104.7	105.2	105.7	105.2	104.7	104.1	103.5	102.3	100.4	98.5
97.5°	159.4	159.7	160.0	160.4	160.0	159.7	159.4	159.1	157.9	156.1	154.3
100°	200.0	200.6	201.1	201.6	201.1	200.6	200.0	199.5	198.0	195.5	193.1
102.5°	240.7	241.4	242.2	243.0	242.2	241.4	240.7	239.9	238.1	235.5	232.8
105°	302.5	303.3	304.1	304.9	304.1	303.3	302.5	301.7	300.4	298.8	297.2
107.5°	368.5	368.5	368.4	368.4	368.4	368.5	368.5	368.6	368.2	367.4	366.6
110°	416.5	416.1	415.9	415.6	415.9	416.1	416.5	416.7	416.5	415.6	414.8



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	463.3	462.8	462.4	461.9	462.4	462.8	463.3	463.8	463.8	463.5	463.1
115°	535.7	535.4	535.2	534.9	535.2	535.4	535.7	536.0	536.2	536.5	536.8
117.5°	609.4	608.4	607.3	606.2	607.3	608.4	609.4	610.6	611.0	610.8	610.6
120°	658.7	657.5	656.5	655.4	656.5	657.5	658.7	659.7	660.3	660.3	660.3
122.5°	707.2	706.3	705.4	704.6	705.4	706.3	707.2	708.1	708.6	708.8	709.1
125°	779.2	778.9	778.6	778.4	778.6	778.9	779.2	779.4	779.8	780.4	781.0
127.5°	850.8	850.3	849.7	849.1	849.7	850.3	850.8	851.3	851.7	852.1	852.3
130°	898.1	897.5	896.9	896.4	896.9	897.5	898.1	898.5	898.9	899.3	899.5
132.5°	943.0	942.2	941.4	940.6	941.4	942.2	943.0	943.7	944.2	944.5	944.8
135°	1012.8	1011.7	1010.6	1009.5	1010.6	1011.7	1012.8	1013.9	1014.4	1014.4	1014.4
137.5°	1081.0	1079.6	1078.2	1076.8	1078.2	1079.6	1081.0	1082.4	1082.9	1082.6	1082.2
140°	1124.3	1122.9	1121.5	1120.1	1121.5	1122.9	1124.3	1125.6	1126.0	1125.5	1124.9
142.5°	1165.6	1164.2	1162.9	1161.5	1162.9	1164.2	1165.6	1166.9	1167.5	1167.1	1166.8
145°	1225.9	1225.1	1224.3	1223.4	1224.3	1225.1	1225.9	1226.7	1227.1	1227.1	1227.1
147.5°	1281.9	1280.0	1278.2	1276.4	1278.2	1280.0	1281.9	1283.8	1284.3	1283.7	1283.0
150°	1317.3	1316.8	1316.2	1315.6	1316.2	1316.8	1317.3	1317.8	1318.2	1318.2	1318.2
152.5°	1351.1	1350.1	1349.2	1348.2	1349.2	1350.1	1351.1	1352.1	1352.3	1351.6	1351.0
155°	1398.5	1397.1	1395.7	1394.4	1395.7	1397.1	1398.5	1399.9	1400.0	1398.9	1397.7
157.5°	1438.4	1436.6	1434.8	1433.0	1434.8	1436.6	1438.4	1440.2	1440.6	1439.5	1438.4
160°	1463.6	1462.2	1460.9	1459.5	1460.9	1462.2	1463.6	1465.0	1465.2	1464.0	1463.0
162.5°	1486.9	1485.3	1483.8	1482.1	1483.8	1485.3	1486.9	1488.5	1488.7	1487.4	1486.0
165°	1517.4	1515.7	1514.1	1512.4	1514.1	1515.7	1517.4	1519.0	1519.2	1518.2	1517.0
167.5°	1541.6	1539.9	1538.2	1536.5	1538.2	1539.9	1541.6	1543.3	1543.3	1541.6	1540.0
170°	1555.0	1553.1	1551.2	1549.3	1551.2	1553.1	1555.0	1557.0	1557.1	1555.4	1553.8
172.5°	1565.2	1563.5	1561.8	1560.2	1561.8	1563.5	1565.2	1566.9	1566.9	1565.3	1563.7
175°	1576.0	1574.0	1572.1	1570.2	1572.1	1574.0	1576.0	1577.8	1578.0	1576.4	1574.8
177.5°	1580.7	1579.2	1577.6	1576.1	1577.6	1579.2	1580.7	1582.3	1582.3	1581.0	1579.7
180°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1



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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°	10.2	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	17.8	15.8	13.9	12.0	9.9	7.8	5.6	3.4	1.2
92.5°	49.0	47.2	44.8	42.5	40.2	37.8	35.9	34.3	32.9	31.3	29.8
95°	96.6	94.7	92.0	89.2	86.5	83.7	82.1	81.5	81.0	80.5	79.9
97.5°	152.5	150.7	147.0	143.2	139.4	135.7	133.7	133.5	133.2	133.0	132.8
100°	190.6	188.1	184.6	181.0	177.5	173.9	172.1	172.1	172.1	172.1	172.1
102.5°	230.2	227.5	225.7	223.9	222.1	220.3	218.8	217.7	216.6	215.6	214.4
105°	295.5	293.9	292.2	290.6	288.9	287.3	285.8	284.5	283.1	281.7	280.4
107.5°	365.7	364.9	363.7	362.4	361.2	360.0	358.6	357.3	355.9	354.5	353.1
110°	413.9	413.1	412.3	411.5	410.7	409.9	408.8	407.4	406.0	404.7	403.3



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	462.7	462.4	461.3	460.2	459.2	458.2	457.3	456.6	455.9	455.2	454.4
115°	537.0	537.4	536.8	536.2	535.7	535.2	534.3	533.2	532.1	531.1	529.9
117.5°	610.3	610.2	609.6	609.1	608.6	608.1	607.6	607.2	606.7	606.2	605.7
120°	660.3	660.3	660.0	659.7	659.5	659.2	658.4	657.0	655.7	654.3	652.9
122.5°	709.2	709.5	708.7	708.1	707.4	706.6	706.0	705.6	705.1	704.6	704.1
125°	781.5	782.0	781.8	781.5	781.2	781.0	780.0	778.4	776.7	775.0	773.4
127.5°	852.6	852.9	852.6	852.2	851.9	851.6	850.9	849.9	849.1	848.2	847.2
130°	899.8	900.1	899.5	898.9	898.5	897.9	896.9	895.5	894.2	892.8	891.4
132.5°	945.0	945.3	945.4	945.5	945.7	945.7	944.7	942.5	940.2	938.0	935.7
135°	1014.4	1014.4	1014.2	1013.9	1013.6	1013.3	1012.4	1010.7	1009.1	1007.5	1005.8
137.5°	1081.9	1081.6	1080.9	1080.4	1079.8	1079.1	1078.1	1076.4	1074.9	1073.3	1071.7
140°	1124.4	1123.9	1123.1	1122.3	1121.4	1120.5	1119.5	1118.1	1116.7	1115.4	1114.0
142.5°	1166.4	1166.1	1165.1	1164.1	1163.0	1162.0	1160.9	1159.8	1158.6	1157.5	1156.3
145°	1227.1	1227.1	1226.3	1225.5	1224.7	1223.8	1222.9	1221.8	1220.7	1219.6	1218.5
147.5°	1282.4	1281.7	1281.1	1280.4	1279.8	1279.1	1278.5	1277.9	1277.2	1276.7	1276.1
150°	1318.2	1318.2	1317.0	1316.0	1314.8	1313.8	1313.4	1313.6	1313.9	1314.2	1314.4
152.5°	1350.3	1349.6	1349.2	1348.7	1348.3	1347.9	1347.4	1347.0	1346.7	1346.3	1345.9
155°	1396.7	1395.6	1395.3	1395.1	1394.8	1394.5	1394.4	1394.4	1394.4	1394.4	1394.4
157.5°	1437.3	1436.1	1435.9	1435.7	1435.3	1435.1	1435.3	1435.8	1436.5	1437.0	1437.6
160°	1461.8	1460.8	1460.5	1460.2	1460.0	1459.7	1460.0	1460.8	1461.6	1462.4	1463.2
162.5°	1484.7	1483.4	1483.4	1483.3	1483.2	1483.2	1483.4	1484.1	1484.7	1485.2	1485.9
165°	1516.0	1514.9	1514.6	1514.3	1514.1	1513.8	1513.9	1514.5	1515.0	1515.6	1516.1
167.5°	1538.4	1536.8	1536.8	1536.8	1536.8	1536.8	1537.3	1538.4	1539.5	1540.6	1541.6
170°	1552.2	1550.5	1550.5	1550.5	1550.5	1550.5	1551.1	1552.2	1553.2	1554.4	1555.4
172.5°	1562.0	1560.4	1560.4	1560.4	1560.4	1560.4	1560.9	1562.0	1563.1	1564.2	1565.3
175°	1573.0	1571.4	1571.4	1571.4	1571.4	1571.4	1572.0	1573.0	1574.2	1575.2	1576.4
177.5°	1578.4	1577.1	1577.3	1577.5	1577.8	1577.9	1578.5	1579.4	1580.3	1581.1	1582.0
180°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1



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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	7.8	9.9	12.0	13.9	15.8	17.8	19.6	21.0	22.4
92.5°	31.3	32.9	34.3	35.9	37.8	40.2	42.5	44.8	47.2	49.0	50.8
95°	80.5	81.0	81.5	82.1	83.7	86.5	89.2	92.0	94.7	96.6	98.5
97.5°	133.0	133.2	133.5	133.7	135.7	139.4	143.2	147.0	150.7	152.5	154.3
100°	172.1	172.1	172.1	172.1	173.9	177.5	181.0	184.6	188.1	190.6	193.1
102.5°	215.6	216.6	217.7	218.8	220.3	222.1	223.9	225.7	227.5	230.2	232.8
105°	281.7	283.1	284.5	285.8	287.3	288.9	290.6	292.2	293.9	295.5	297.2
107.5°	354.5	355.9	357.3	358.6	360.0	361.2	362.4	363.7	364.9	365.7	366.6
110°	404.7	406.0	407.4	408.8	409.9	410.7	411.5	412.3	413.1	413.9	414.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	455.2	455.9	456.6	457.3	458.2	459.2	460.2	461.3	462.4	462.7	463.1
115°	531.1	532.1	533.2	534.3	535.2	535.7	536.2	536.8	537.4	537.0	536.8
117.5°	606.2	606.7	607.2	607.6	608.1	608.6	609.1	609.6	610.2	610.3	610.6
120°	654.3	655.7	657.0	658.4	659.2	659.5	659.7	660.0	660.3	660.3	660.3
122.5°	704.6	705.1	705.6	706.0	706.6	707.4	708.1	708.7	709.5	709.2	709.1
125°	775.0	776.7	778.4	780.0	781.0	781.2	781.5	781.8	782.0	781.5	781.0
127.5°	848.2	849.1	849.9	850.9	851.6	851.9	852.2	852.6	852.9	852.6	852.3
130°	892.8	894.2	895.5	896.9	897.9	898.5	898.9	899.5	900.1	899.8	899.5
132.5°	938.0	940.2	942.5	944.7	945.7	945.7	945.5	945.4	945.3	945.0	944.8
135°	1007.5	1009.1	1010.7	1012.4	1013.3	1013.6	1013.9	1014.2	1014.4	1014.4	1014.4
137.5°	1073.3	1074.9	1076.4	1078.1	1079.1	1079.8	1080.4	1080.9	1081.6	1081.9	1082.2
140°	1115.4	1116.7	1118.1	1119.5	1120.5	1121.4	1122.3	1123.1	1123.9	1124.4	1124.9
142.5°	1157.5	1158.6	1159.8	1160.9	1162.0	1163.0	1164.1	1165.1	1166.1	1166.4	1166.8
145°	1219.6	1220.7	1221.8	1222.9	1223.8	1224.7	1225.5	1226.3	1227.1	1227.1	1227.1
147.5°	1276.7	1277.2	1277.9	1278.5	1279.1	1279.8	1280.4	1281.1	1281.7	1282.4	1283.0
150°	1314.2	1313.9	1313.6	1313.4	1313.8	1314.8	1316.0	1317.0	1318.2	1318.2	1318.2
152.5°	1346.3	1346.7	1347.0	1347.4	1347.9	1348.3	1348.7	1349.2	1349.6	1350.3	1351.0
155°	1394.4	1394.4	1394.4	1394.4	1394.5	1394.8	1395.1	1395.3	1395.6	1396.7	1397.7
157.5°	1437.0	1436.5	1435.8	1435.3	1435.1	1435.3	1435.7	1435.9	1436.1	1437.3	1438.4
160°	1462.4	1461.6	1460.8	1460.0	1459.7	1460.0	1460.2	1460.5	1460.8	1461.8	1463.0
162.5°	1485.2	1484.7	1484.1	1483.4	1483.2	1483.2	1483.3	1483.4	1483.4	1484.7	1486.0
165°	1515.6	1515.0	1514.5	1513.9	1513.8	1514.1	1514.3	1514.6	1514.9	1516.0	1517.0
167.5°	1540.6	1539.5	1538.4	1537.3	1536.8	1536.8	1536.8	1536.8	1536.8	1538.4	1540.0
170°	1554.4	1553.2	1552.2	1551.1	1550.5	1550.5	1550.5	1550.5	1550.5	1552.2	1553.8
172.5°	1564.2	1563.1	1562.0	1560.9	1560.4	1560.4	1560.4	1560.4	1560.4	1562.0	1563.7
175°	1575.2	1574.2	1573.0	1572.0	1571.4	1571.4	1571.4	1571.4	1571.4	1573.0	1574.8
177.5°	1581.1	1580.3	1579.4	1578.5	1577.9	1577.8	1577.5	1577.3	1577.1	1578.4	1579.7
180°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1



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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	10.8	10.4	10.4	10.5	10.9	11.3
90°	23.8	25.1	26.3	27.1	27.9	28.7	29.5
92.5°	52.6	54.5	55.6	56.3	56.8	57.4	58.0
95°	100.4	102.3	103.5	104.1	104.7	105.2	105.7
97.5°	156.1	157.9	159.1	159.4	159.7	160.0	160.4
100°	195.5	198.0	199.5	200.0	200.6	201.1	201.6
102.5°	235.5	238.1	239.9	240.7	241.4	242.2	243.0
105°	298.8	300.4	301.7	302.5	303.3	304.1	304.9
107.5°	367.4	368.2	368.6	368.5	368.5	368.4	368.4
110°	415.6	416.5	416.7	416.5	416.1	415.9	415.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	463.5	463.8	463.8	463.3	462.8	462.4	461.9
115°	536.5	536.2	536.0	535.7	535.4	535.2	534.9
117.5°	610.8	611.0	610.6	609.4	608.4	607.3	606.2
120°	660.3	660.3	659.7	658.7	657.5	656.5	655.4
122.5°	708.8	708.6	708.1	707.2	706.3	705.4	704.6
125°	780.4	779.8	779.4	779.2	778.9	778.6	778.4
127.5°	852.1	851.7	851.3	850.8	850.3	849.7	849.1
130°	899.3	898.9	898.5	898.1	897.5	896.9	896.4
132.5°	944.5	944.2	943.7	943.0	942.2	941.4	940.6
135°	1014.4	1014.4	1013.9	1012.8	1011.7	1010.6	1009.5
137.5°	1082.6	1082.9	1082.4	1081.0	1079.6	1078.2	1076.8
140°	1125.5	1126.0	1125.6	1124.3	1122.9	1121.5	1120.1
142.5°	1167.1	1167.5	1166.9	1165.6	1164.2	1162.9	1161.5
145°	1227.1	1227.1	1226.7	1225.9	1225.1	1224.3	1223.4
147.5°	1283.7	1284.3	1283.8	1281.9	1280.0	1278.2	1276.4
150°	1318.2	1318.2	1317.8	1317.3	1316.8	1316.2	1315.6
152.5°	1351.6	1352.3	1352.1	1351.1	1350.1	1349.2	1348.2
155°	1398.9	1400.0	1399.9	1398.5	1397.1	1395.7	1394.4
157.5°	1439.5	1440.6	1440.2	1438.4	1436.6	1434.8	1433.0
160°	1464.0	1465.2	1465.0	1463.6	1462.2	1460.9	1459.5
162.5°	1487.4	1488.7	1488.5	1486.9	1485.3	1483.8	1482.1
165°	1518.2	1519.2	1519.0	1517.4	1515.7	1514.1	1512.4
167.5°	1541.6	1543.3	1543.3	1541.6	1539.9	1538.2	1536.5
170°	1555.4	1557.1	1557.0	1555.0	1553.1	1551.2	1549.3
172.5°	1565.3	1566.9	1566.9	1565.2	1563.5	1561.8	1560.2
175°	1576.4	1578.0	1577.8	1576.0	1574.0	1572.1	1570.2
177.5°	1581.0	1582.3	1582.3	1580.7	1579.2	1577.6	1576.1
180°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1

(END OF REPORT)