

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: P331793-840

Luminaire Tested: **S122RDIW-S485D970U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331793-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122RDIW-S485D970U840-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 970 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5787.1 lumens  
Efficiency: N/A  
Efficacy: 128.0 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Indirect

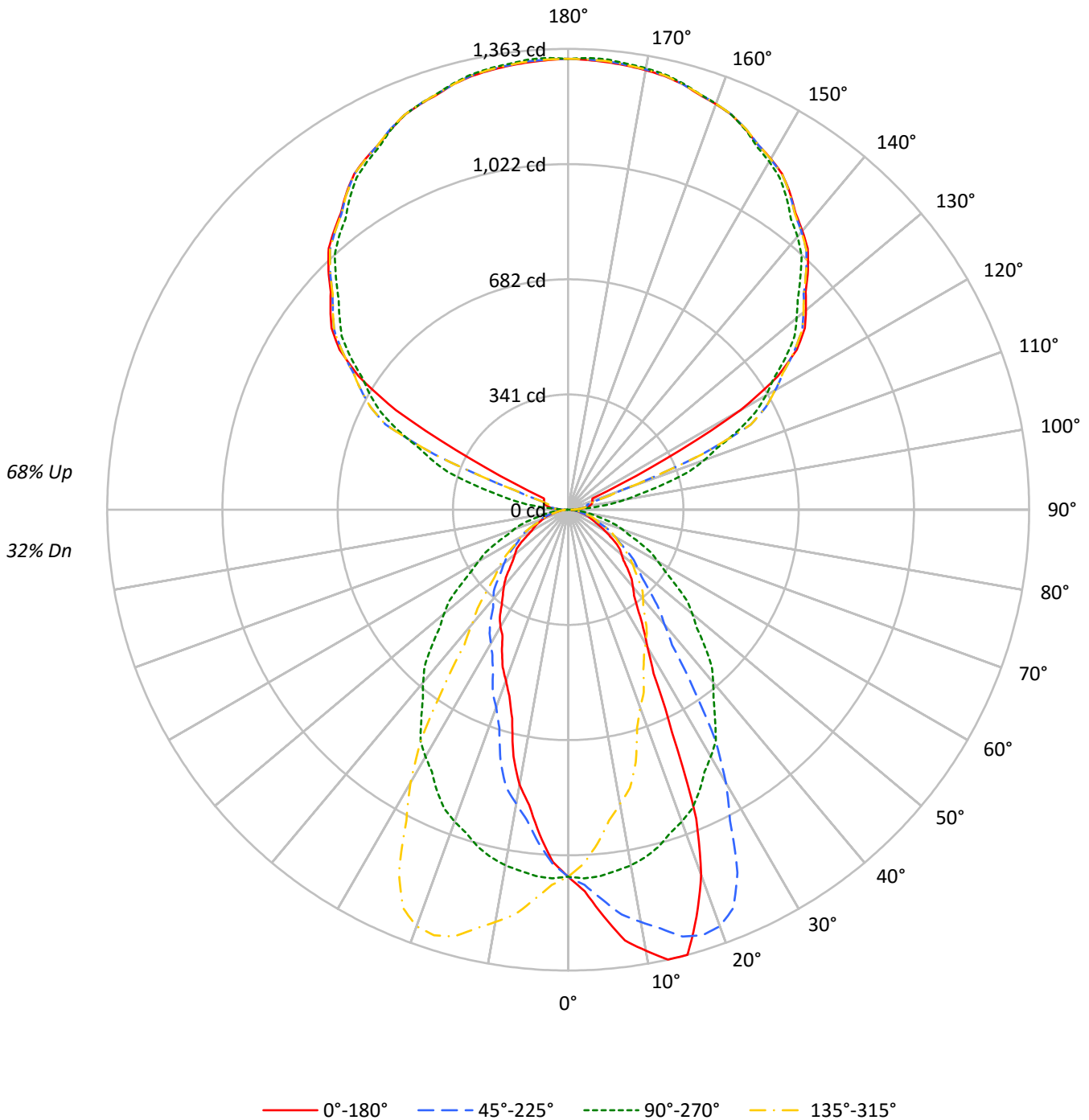
Input Watts (W): 45.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	103	103	103	103	93	93	93	93	74	74	74	56	56	56	40	40	40	32
1	94	90	87	83	85	82	79	76	65	63	61	50	49	48	36	35	35	28
2	86	79	74	69	78	72	67	63	58	54	51	45	42	41	32	31	30	25
3	79	70	63	58	71	64	58	53	51	47	44	40	37	35	29	28	26	21
4	73	62	55	50	65	57	50	46	46	41	38	36	33	30	26	25	23	19
5	67	56	48	43	60	51	44	39	41	37	33	32	29	27	24	22	20	17
6	62	50	43	37	55	46	39	34	37	33	29	29	26	24	22	20	18	15
7	57	45	38	33	51	42	35	30	34	29	26	27	24	21	20	18	16	14
8	53	41	34	29	48	38	31	27	31	26	23	25	21	19	19	17	15	12
9	49	38	31	26	45	35	28	24	29	24	21	23	20	17	18	15	14	11
10	46	35	28	23	42	32	26	22	26	22	19	21	18	16	16	14	13	11

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	17525	17525	17525	17525
5°	19571	17634	15635	17634
10°	21713	17510	13554	17510
15°	22781	17254	10678	17254
20°	19749	16873	9241	16873
25°	12953	16352	8250	16352
30°	8720	15720	7467	15720
35°	7062	14927	6733	14927
40°	6279	14060	6232	14060
45°	5683	13047	5562	13047
50°	5172	12039	5152	12039
55°	4861	10925	4799	10925
60°	4066	9901	4017	9901
65°	3431	8989	3889	8989
70°	3172	8030	3668	8030
75°	2969	6987	3387	6987
80°	2734	5746	3013	5746
85°	2501	4539	2649	4539



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.9	1.8
10°-20°	286.7	5.0
20°-30°	369.4	6.4
30°-40°	351.1	6.1
40°-50°	300.7	5.2
50°-60°	229.0	4.0
60°-70°	144.8	2.5
70°-80°	72.3	1.2
80°-90°	22.1	0.4
90°-100°	44.5	0.8
100°-110°	163.1	2.8
110°-120°	436.1	7.5
120°-130°	719.8	12.4
130°-140°	765.5	13.2
140°-150°	711.5	12.3
150°-160°	572.1	9.9
160°-170°	368.6	6.4
170°-180°	126.9	2.2
0°-30°	759.0	13.1
0°-40°	1110.1	19.2
0°-60°	1639.8	28.3
0°-90°	1879.0	32.5
90°-120°	643.7	11.1
90°-150°	2840.5	49.1
90°-180°	3908.0	67.5
0°-180°	5787.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1085	1085	1085	1085	1085	
5°	1208	1088	965	1088	1208	119
15°	1363	1032	639	1032	1363	368
25°	727	918	463	918	727	345
35°	358	757	342	757	358	229
45°	249	571	244	571	249	193
55°	173	388	170	388	173	152
65°	90	235	102	235	90	91
75°	48	112	54	112	48	50
85°	14	24	14	24	14	15
90°	26	1	26	1	26	12
95°	42	63	42	63	42	39
105°	73	293	73	293	73	76
115°	79	555	79	555	79	198
125°	825	784	825	784	825	714
135°	1003	971	1003	971	1003	773
145°	1144	1126	1144	1126	1144	715
155°	1241	1240	1241	1240	1241	573
165°	1304	1307	1304	1307	1304	368
175°	1329	1336	1329	1336	1329	127
180°	1334	1334	1334	1334	1334	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4
2.5°	1129.4	1130.3	1131.3	1129.1	1129.1	1127.3	1123.4	1120.3	1111.9	1110.6	1110.6
5°	1207.5	1206.8	1208.3	1203.4	1196.6	1195.1	1187.9	1178.5	1168.7	1157.7	1155.5
7.5°	1285.3	1284.1	1281.1	1280.2	1275.1	1263.6	1252.1	1239.8	1223.6	1207.6	1199.6
10°	1324.4	1336.9	1329.4	1316.2	1318.8	1301.1	1291.6	1275.5	1261.8	1238.1	1232.8
12.5°	1363.0	1368.0	1365.5	1358.1	1354.7	1342.4	1329.7	1315.6	1290.5	1269.2	1250.6
15°	1362.9	1370.1	1372.0	1369.7	1371.6	1370.8	1364.0	1352.3	1330.5	1307.1	1286.8
17.5°	1262.3	1267.3	1279.6	1288.0	1298.6	1320.9	1331.9	1336.3	1332.9	1319.6	1305.3
20°	1149.4	1141.1	1175.9	1193.6	1208.7	1246.4	1278.8	1291.2	1311.2	1310.9	1307.1
22.5°	989.6	991.5	1024.4	1045.4	1089.5	1127.2	1164.2	1211.0	1249.7	1275.3	1290.2
25°	727.1	741.4	774.3	802.8	851.9	922.1	985.8	1059.8	1129.4	1184.6	1237.0
27.5°	546.0	547.1	573.1	599.7	628.7	686.2	766.5	854.7	954.2	1036.2	1130.6
30°	467.7	465.3	476.4	492.5	517.5	561.9	622.3	709.0	808.2	931.9	1042.0
32.5°	412.1	412.2	420.5	432.5	453.1	483.1	524.5	594.9	688.7	810.3	939.4
35°	358.3	357.9	364.0	372.6	381.2	400.5	428.8	465.7	530.3	643.8	775.8
37.5°	319.6	321.3	324.3	329.7	339.2	349.9	367.0	391.7	437.7	504.8	615.7
40°	297.9	298.7	302.9	307.4	313.1	321.3	335.3	355.3	388.8	442.3	523.4
42.5°	278.0	278.7	281.8	285.9	290.3	298.7	310.2	327.5	354.8	396.5	463.4
45°	248.9	248.9	251.6	253.4	258.3	265.9	275.3	289.6	308.5	339.4	384.0
47.5°	221.6	221.7	223.4	226.6	229.7	235.6	244.9	256.6	270.3	294.3	332.2
50°	205.9	206.3	207.4	210.1	212.0	217.2	224.4	234.6	248.9	267.4	299.0
52.5°	193.2	193.0	194.4	195.6	196.8	200.7	206.0	215.0	227.8	243.9	270.1
55°	172.7	171.2	173.5	175.3	176.5	178.0	181.0	186.7	197.6	211.2	230.8
57.5°	147.0	146.4	148.0	149.8	153.3	157.4	160.0	163.6	169.3	178.9	198.4
60°	125.9	125.9	129.4	130.5	134.6	139.9	145.2	148.2	153.9	160.3	174.6
62.5°	107.2	107.6	109.2	110.3	112.6	119.1	126.5	133.1	138.5	144.6	154.1
65°	89.8	90.5	90.5	91.3	92.8	94.3	97.3	102.6	112.0	120.7	127.8
67.5°	76.1	76.4	76.6	77.4	77.8	79.4	80.6	83.0	85.1	93.4	102.3
70°	67.2	68.3	67.9	68.7	69.0	69.8	71.3	72.4	75.8	77.7	83.0
72.5°	58.7	59.5	59.5	59.9	60.9	61.0	62.2	63.3	65.5	67.2	70.0
75°	47.6	47.2	47.6	48.3	48.7	49.0	49.0	50.5	51.7	53.2	55.0
77.5°	36.7	37.1	37.0	37.1	37.1	37.8	37.7	38.4	39.5	40.3	41.2
80°	29.4	29.8	29.4	29.8	30.2	30.5	30.2	30.5	31.7	32.4	32.4
82.5°	22.8	22.8	23.1	23.1	23.2	23.3	23.8	23.9	24.7	24.5	24.8
85°	13.5	13.2	13.2	13.2	13.5	13.9	13.5	13.5	13.9	13.9	13.9
87.5°	10.0	10.3	10.2	10.1	10.0	9.9	9.6	9.7	9.2	9.3	8.7
90°	26.1	25.7	25.1	24.7	24.3	23.6	22.5	21.4	20.4	19.3	17.6
92.5°	26.1	25.8	25.5	25.2	25.0	24.6	24.0	23.5	22.9	22.4	21.5
95°	41.5	41.7	41.9	42.1	42.3	41.9	40.9	39.8	38.7	37.7	36.2
97.5°	55.3	55.1	54.8	54.6	54.3	53.8	52.9	52.1	51.2	50.4	46.9
100°	64.6	64.2	63.8	63.3	62.9	61.9	60.2	58.5	56.8	55.0	51.4
102.5°	69.3	68.7	68.1	67.5	66.9	65.4	63.2	61.0	58.8	56.6	87.1
105°	73.3	72.5	71.6	70.8	69.9	68.3	65.9	63.6	61.2	58.9	117.4
107.5°	75.4	74.6	73.7	72.9	72.0	72.8	75.2	77.6	80.0	82.4	152.6
110°	76.2	75.3	74.5	73.6	72.8	83.1	104.5	125.9	147.4	168.8	230.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	77.1	76.3	75.6	74.9	74.2	113.0	191.3	269.4	347.7	426.0	441.2
115°	79.2	94.5	110.0	125.4	140.9	198.2	297.5	396.8	496.0	595.4	590.1
117.5°	323.1	373.9	424.5	475.2	526.0	563.4	587.4	611.4	635.4	659.4	655.8
120°	588.7	617.5	646.5	675.5	704.4	717.6	715.0	712.5	709.9	707.3	703.5
122.5°	734.6	740.1	745.8	751.3	757.0	759.0	757.5	756.0	754.4	752.9	748.6
125°	825.1	824.4	823.7	823.1	822.4	821.4	819.9	818.4	816.9	815.4	811.3
127.5°	882.1	882.0	881.9	881.8	881.6	880.5	878.3	876.2	873.9	871.7	868.7
130°	917.7	917.9	918.1	918.3	918.6	917.5	915.1	912.7	910.4	908.1	905.6
132.5°	952.4	952.6	952.8	953.0	953.3	952.4	950.4	948.4	946.3	944.3	941.9
135°	1002.6	1003.0	1003.4	1003.9	1004.3	1003.4	1001.3	999.2	997.0	994.9	992.9
137.5°	1048.3	1049.0	1049.8	1050.6	1051.3	1050.6	1048.4	1046.3	1044.3	1042.2	1040.0
140°	1076.9	1077.9	1079.0	1080.2	1081.2	1080.8	1078.8	1076.9	1075.0	1073.1	1070.7
142.5°	1104.7	1105.8	1106.8	1107.9	1108.9	1108.6	1106.9	1105.1	1103.4	1101.6	1098.9
145°	1143.5	1144.6	1145.6	1146.7	1147.8	1147.5	1146.1	1144.6	1143.1	1141.6	1137.9
147.5°	1177.6	1178.5	1179.4	1180.3	1181.2	1181.1	1180.0	1178.9	1177.8	1176.7	1173.1
150°	1198.5	1199.5	1200.6	1201.7	1202.7	1202.6	1201.3	1200.1	1198.8	1197.5	1194.1
152.5°	1216.3	1217.7	1219.1	1220.5	1221.9	1221.9	1220.6	1219.4	1218.1	1216.8	1213.6
155°	1240.9	1242.6	1244.4	1246.1	1247.8	1248.0	1246.7	1245.5	1244.2	1242.8	1240.3
157.5°	1263.5	1265.2	1266.9	1268.5	1270.2	1270.3	1268.9	1267.4	1266.0	1264.5	1262.6
160°	1276.7	1278.2	1279.6	1281.1	1282.6	1282.7	1281.4	1280.2	1278.9	1277.6	1276.4
162.5°	1287.5	1289.3	1291.1	1292.9	1294.8	1295.1	1293.5	1292.1	1290.6	1289.2	1288.1
165°	1303.6	1305.1	1306.7	1308.2	1309.7	1309.7	1308.2	1306.7	1305.1	1303.6	1303.0
167.5°	1313.9	1315.9	1317.8	1319.7	1321.6	1321.8	1320.3	1318.8	1317.3	1315.9	1315.2
170°	1320.1	1322.0	1323.9	1325.9	1327.8	1328.0	1326.5	1325.0	1323.5	1322.0	1321.6
172.5°	1324.7	1326.7	1328.6	1330.5	1332.4	1332.6	1331.1	1329.6	1328.2	1326.7	1326.2
175°	1328.8	1330.9	1333.0	1335.1	1337.4	1337.7	1336.2	1334.6	1333.1	1331.6	1331.2
177.5°	1331.3	1332.8	1334.3	1335.8	1337.5	1337.6	1336.4	1335.2	1334.0	1332.8	1332.6
180°	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4
2.5°	1111.3	1108.9	1106.8	1101.4	1098.6	1092.6	1091.7	1091.4	1083.6	1076.0	1073.9
5°	1149.4	1143.5	1134.4	1123.8	1112.9	1101.6	1094.0	1088.0	1072.9	1058.5	1050.3
7.5°	1187.9	1175.0	1159.3	1139.3	1122.7	1104.0	1090.1	1077.6	1056.2	1035.7	1021.9
10°	1216.6	1195.5	1174.8	1147.2	1125.7	1104.6	1085.0	1068.0	1043.9	1016.7	997.4
12.5°	1234.4	1211.1	1182.6	1155.7	1127.8	1101.0	1074.7	1052.9	1024.6	996.5	973.6
15°	1258.5	1233.6	1198.9	1160.4	1124.6	1089.5	1059.3	1032.2	995.2	961.7	933.7
17.5°	1278.2	1243.9	1206.6	1162.2	1120.6	1076.1	1037.2	1002.5	961.4	920.9	888.1
20°	1284.4	1250.5	1207.5	1163.1	1114.0	1061.6	1019.8	982.0	937.9	893.7	856.1
22.5°	1280.5	1254.2	1206.3	1153.1	1102.9	1048.0	1000.8	956.9	908.1	863.0	819.3
25°	1253.9	1244.9	1199.6	1141.6	1084.2	1020.5	965.8	917.9	862.1	813.9	766.3
27.5°	1191.8	1211.4	1183.4	1121.5	1057.7	989.4	928.0	873.4	815.5	761.1	713.8
30°	1132.2	1177.0	1164.9	1107.6	1036.3	969.2	900.2	843.2	781.4	725.6	678.8
32.5°	1050.4	1124.5	1136.3	1088.3	1014.6	940.8	868.5	811.8	747.3	688.4	642.9
35°	920.2	1031.1	1082.0	1051.4	977.4	898.0	823.2	757.3	692.4	634.3	589.1
37.5°	764.9	915.8	1000.8	1002.9	935.0	852.3	771.0	705.5	639.0	582.1	533.1
40°	664.1	827.8	938.3	962.8	905.4	816.1	733.9	667.1	602.3	546.4	490.3
42.5°	573.6	736.7	872.5	915.1	869.6	780.8	698.3	628.5	565.4	512.6	455.2
45°	463.8	606.4	756.1	832.3	807.1	724.8	637.7	571.4	512.1	466.5	411.4
47.5°	391.3	491.8	636.6	739.7	739.2	664.2	578.6	514.9	460.0	417.3	372.6
50°	349.9	437.5	560.1	676.9	686.7	623.8	542.3	479.3	428.1	383.1	347.3
52.5°	312.9	385.0	495.1	607.2	635.1	580.6	501.6	443.4	393.6	352.3	321.6
55°	264.4	320.1	403.9	508.8	551.0	512.5	442.3	388.1	347.7	313.1	286.6
57.5°	223.6	265.5	332.6	417.1	466.3	442.0	384.3	340.1	305.6	274.2	253.4
60°	198.0	232.3	289.2	359.8	414.0	397.1	347.7	306.6	277.2	250.0	230.5
62.5°	173.9	203.4	252.2	309.4	359.2	352.1	311.8	277.3	251.6	226.8	210.3
65°	139.9	161.4	199.4	244.4	284.4	287.7	258.7	235.3	212.3	192.7	178.0
67.5°	111.4	125.4	152.3	190.1	220.0	230.8	213.0	195.1	176.8	161.7	149.0
70°	93.9	105.2	124.8	155.4	182.9	194.2	184.0	170.1	154.2	141.8	130.9
72.5°	76.1	87.2	101.6	124.0	147.6	159.9	156.3	146.2	133.4	123.1	112.8
75°	57.4	60.7	70.5	85.6	104.1	114.6	117.2	112.0	101.8	93.9	87.9
77.5°	42.4	44.4	49.1	57.1	69.1	78.5	82.4	81.8	74.7	70.2	64.5
80°	33.9	35.0	37.4	40.7	49.8	59.2	61.8	61.8	57.0	55.0	49.4
82.5°	25.8	26.7	28.0	29.9	34.1	42.3	45.2	45.8	42.7	40.3	35.9
85°	14.7	14.3	15.0	16.3	17.0	19.2	23.7	24.5	23.7	20.7	19.6
87.5°	8.3	8.3	7.9	7.2	7.1	6.9	7.9	9.0	8.2	7.8	7.7
90°	15.9	14.1	12.4	10.4	8.1	5.7	3.3	1.0	3.3	5.7	8.1
92.5°	20.7	19.8	19.0	18.7	18.9	19.1	19.3	19.5	19.3	19.1	18.9
95°	34.6	33.1	31.6	34.4	41.5	48.6	55.6	62.7	55.6	48.6	41.5
97.5°	43.4	40.0	36.5	44.7	64.6	84.6	104.5	124.5	104.5	84.6	64.6
100°	47.7	44.0	40.4	53.3	82.7	112.0	141.4	170.8	141.4	112.0	82.7
102.5°	117.5	148.0	178.5	196.8	203.1	209.3	215.5	221.8	215.5	209.3	203.1
105°	175.9	234.5	293.1	319.1	312.7	306.2	299.8	293.4	299.8	306.2	312.7
107.5°	222.8	293.1	363.2	395.8	390.5	385.4	380.2	375.0	380.2	385.4	390.5
110°	292.9	354.8	416.8	445.5	441.0	436.5	432.0	427.5	432.0	436.5	441.0





TEST NUMBER: P331793-840

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	456.6	471.9	487.2	492.8	488.9	484.8	480.9	476.9	480.9	484.8	488.9
115°	584.6	579.3	573.9	569.5	565.8	562.2	558.5	554.8	558.5	562.2	565.8
117.5°	652.1	648.4	644.7	640.9	636.7	632.7	628.6	624.5	628.6	632.7	636.7
120°	699.6	695.7	691.9	688.3	685.1	681.9	678.7	675.5	678.7	681.9	685.1
122.5°	744.5	740.2	736.1	732.3	728.8	725.5	722.1	718.7	722.1	725.5	728.8
125°	807.3	803.1	799.1	795.7	792.8	790.1	787.3	784.5	787.3	790.1	792.8
127.5°	865.7	862.6	859.6	856.5	853.4	850.3	847.3	844.1	847.3	850.3	853.4
130°	903.3	900.9	898.6	895.6	892.2	888.9	885.4	882.0	885.4	888.9	892.2
132.5°	939.6	937.3	934.8	932.2	929.3	926.5	923.5	920.6	923.5	926.5	929.3
135°	991.0	989.1	987.1	984.5	981.1	977.7	974.2	970.8	974.2	977.7	981.1
137.5°	1037.7	1035.6	1033.4	1031.1	1028.7	1026.3	1023.9	1021.5	1023.9	1026.3	1028.7
140°	1068.3	1065.9	1063.6	1061.6	1059.9	1058.1	1056.4	1054.7	1056.4	1058.1	1059.9
142.5°	1096.2	1093.5	1090.8	1088.6	1087.1	1085.6	1084.0	1082.5	1084.0	1085.6	1087.1
145°	1134.3	1130.6	1127.0	1125.3	1125.5	1125.7	1125.9	1126.1	1125.9	1125.7	1125.5
147.5°	1169.4	1165.9	1162.3	1160.8	1161.6	1162.5	1163.3	1164.2	1163.3	1162.5	1161.6
150°	1190.6	1187.2	1183.8	1182.9	1184.4	1185.8	1187.3	1188.8	1187.3	1185.8	1184.4
152.5°	1210.3	1207.0	1203.8	1203.0	1204.7	1206.3	1208.0	1209.7	1208.0	1206.3	1204.7
155°	1237.7	1235.2	1232.5	1232.2	1234.2	1236.1	1238.0	1240.0	1238.0	1236.1	1234.2
157.5°	1260.9	1259.1	1257.3	1257.2	1258.8	1260.4	1262.1	1263.7	1262.1	1260.4	1258.8
160°	1275.1	1273.7	1272.4	1272.4	1273.7	1275.1	1276.4	1277.6	1276.4	1275.1	1273.7
162.5°	1287.0	1285.9	1284.8	1284.9	1286.1	1287.4	1288.7	1290.0	1288.7	1287.4	1286.1
165°	1302.3	1301.7	1301.1	1301.4	1302.7	1303.9	1305.3	1306.6	1305.3	1303.9	1302.7
167.5°	1314.6	1314.0	1313.4	1313.7	1315.0	1316.4	1317.6	1318.9	1317.6	1316.4	1315.0
170°	1321.1	1320.7	1320.3	1320.7	1322.0	1323.3	1324.5	1325.9	1324.5	1323.3	1322.0
172.5°	1325.8	1325.3	1324.9	1325.3	1326.7	1327.9	1329.2	1330.5	1329.2	1327.9	1326.7
175°	1330.8	1330.4	1329.9	1330.5	1332.0	1333.4	1334.9	1336.5	1334.9	1333.4	1332.0
177.5°	1332.4	1332.3	1332.1	1332.6	1333.8	1335.0	1336.3	1337.5	1336.3	1335.0	1333.8
180°	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4
2.5°	1070.0	1067.8	1063.9	1057.9	1054.3	1047.9	1043.7	1046.1	1046.7	1046.1	1045.5
5°	1041.3	1033.3	1022.4	1011.8	1002.0	991.5	985.4	982.8	977.4	974.5	973.0
7.5°	1006.4	992.8	977.3	959.0	943.3	927.0	918.6	914.4	903.6	897.8	892.6
10°	980.5	959.0	943.5	919.4	904.7	883.2	868.5	868.9	854.1	845.9	839.8
12.5°	951.9	928.3	902.5	880.8	860.4	843.1	825.4	818.2	802.5	794.6	778.3
15°	904.3	876.8	849.7	820.2	799.5	772.7	747.1	715.8	690.5	668.6	662.6
17.5°	852.4	818.4	791.1	756.6	721.0	676.0	646.3	628.1	612.9	601.4	592.8
20°	816.9	782.1	753.2	701.0	653.2	622.6	600.8	586.8	571.0	558.6	551.7
22.5°	779.4	743.3	703.7	645.5	608.2	583.7	564.2	548.2	537.5	527.8	521.6
25°	726.3	686.7	621.5	581.5	551.4	525.7	512.1	502.3	491.0	477.8	471.8
27.5°	670.2	607.2	560.4	530.7	501.9	485.2	473.0	458.4	448.3	442.3	436.1
30°	628.2	565.3	528.8	496.2	475.9	457.5	443.1	434.8	425.1	414.9	410.7
32.5°	581.5	531.2	496.1	469.2	448.5	432.7	421.4	408.0	400.9	394.7	386.0
35°	523.4	485.3	453.3	431.4	411.8	399.0	385.8	377.9	365.1	359.8	356.4
37.5°	474.2	441.2	417.3	394.3	378.7	364.6	356.5	343.9	338.3	330.9	323.8
40°	446.5	414.0	391.1	372.2	354.9	344.3	334.2	324.0	315.7	312.3	303.6
42.5°	418.2	391.7	368.7	348.1	336.5	325.3	312.5	305.0	296.3	290.8	285.5
45°	379.0	355.7	336.0	319.0	306.2	294.6	286.2	273.8	268.9	257.9	253.4
47.5°	344.6	322.9	304.2	288.0	275.5	267.9	255.8	246.0	238.2	231.5	225.7
50°	320.1	302.1	284.0	269.6	258.3	247.4	235.0	230.0	217.9	214.6	211.2
52.5°	297.8	280.6	264.1	250.0	238.7	228.1	217.1	210.8	202.6	199.1	196.7
55°	266.6	250.0	234.2	221.8	210.5	199.4	192.7	184.8	181.0	178.3	175.3
57.5°	235.2	220.4	208.1	195.6	184.2	175.5	167.6	162.9	159.0	155.5	151.9
60°	215.3	201.0	190.1	178.3	166.7	159.6	153.5	147.8	143.3	138.0	136.5
62.5°	194.2	181.7	171.7	160.3	150.1	143.5	137.8	132.5	127.0	119.4	117.2
65°	165.2	155.4	144.8	135.4	126.3	120.0	111.6	105.6	103.3	102.6	102.2
67.5°	139.0	129.7	120.6	111.0	102.7	96.7	92.5	91.6	90.1	89.6	88.6
70°	121.4	112.8	103.7	94.6	86.7	85.6	84.1	82.6	80.7	80.0	79.2
72.5°	105.7	96.7	87.8	80.5	77.1	75.6	74.1	72.6	71.4	70.6	70.2
75°	81.1	72.8	66.8	64.1	62.2	61.1	58.9	57.7	57.0	55.8	55.4
77.5°	58.4	53.7	50.9	49.3	47.3	46.0	44.8	43.6	42.8	42.6	42.0
80°	44.5	42.2	40.4	38.1	37.4	35.9	35.4	34.3	34.7	33.5	33.5
82.5°	34.5	31.7	30.1	29.1	28.3	27.1	26.7	26.2	26.3	25.4	25.4
85°	17.8	17.0	16.3	15.5	15.5	14.3	14.7	14.3	14.3	13.5	13.2
87.5°	7.8	7.9	7.7	8.0	8.4	8.4	8.6	8.5	8.7	9.0	8.8
90°	10.4	12.4	14.1	15.9	17.6	19.3	20.4	21.4	22.5	23.6	24.3
92.5°	18.7	19.0	19.8	20.7	21.5	22.4	22.9	23.5	24.0	24.6	25.0
95°	34.4	31.6	33.1	34.6	36.2	37.7	38.7	39.8	40.9	41.9	42.3
97.5°	44.7	36.5	40.0	43.4	46.9	50.4	51.2	52.1	52.9	53.8	54.3
100°	53.3	40.4	44.0	47.7	51.4	55.0	56.8	58.5	60.2	61.9	62.9
102.5°	196.8	178.5	148.0	117.5	87.1	56.6	58.8	61.0	63.2	65.4	66.9
105°	319.1	293.1	234.5	175.9	117.4	58.9	61.2	63.6	65.9	68.3	69.9
107.5°	395.8	363.2	293.1	222.8	152.6	82.4	80.0	77.6	75.2	72.8	72.0
110°	445.5	416.8	354.8	292.9	230.9	168.8	147.4	125.9	104.5	83.1	72.8



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	492.8	487.2	471.9	456.6	441.2	426.0	347.7	269.4	191.3	113.0	74.2
115°	569.5	573.9	579.3	584.6	590.1	595.4	496.0	396.8	297.5	198.2	140.9
117.5°	640.9	644.7	648.4	652.1	655.8	659.4	635.4	611.4	587.4	563.4	526.0
120°	688.3	691.9	695.7	699.6	703.5	707.3	709.9	712.5	715.0	717.6	704.4
122.5°	732.3	736.1	740.2	744.5	748.6	752.9	754.4	756.0	757.5	759.0	757.0
125°	795.7	799.1	803.1	807.3	811.3	815.4	816.9	818.4	819.9	821.4	822.4
127.5°	856.5	859.6	862.6	865.7	868.7	871.7	873.9	876.2	878.3	880.5	881.6
130°	895.6	898.6	900.9	903.3	905.6	908.1	910.4	912.7	915.1	917.5	918.6
132.5°	932.2	934.8	937.3	939.6	941.9	944.3	946.3	948.4	950.4	952.4	953.3
135°	984.5	987.1	989.1	991.0	992.9	994.9	997.0	999.2	1001.3	1003.4	1004.3
137.5°	1031.1	1033.4	1035.6	1037.7	1040.0	1042.2	1044.3	1046.3	1048.4	1050.6	1051.3
140°	1061.6	1063.6	1065.9	1068.3	1070.7	1073.1	1075.0	1076.9	1078.8	1080.8	1081.2
142.5°	1088.6	1090.8	1093.5	1096.2	1098.9	1101.6	1103.4	1105.1	1106.9	1108.6	1108.9
145°	1125.3	1127.0	1130.6	1134.3	1137.9	1141.6	1143.1	1144.6	1146.1	1147.5	1147.8
147.5°	1160.8	1162.3	1165.9	1169.4	1173.1	1176.7	1177.8	1178.9	1180.0	1181.1	1181.2
150°	1182.9	1183.8	1187.2	1190.6	1194.1	1197.5	1198.8	1200.1	1201.3	1202.6	1202.7
152.5°	1203.0	1203.8	1207.0	1210.3	1213.6	1216.8	1218.1	1219.4	1220.6	1221.9	1221.9
155°	1232.2	1232.5	1235.2	1237.7	1240.3	1242.8	1244.2	1245.5	1246.7	1248.0	1247.8
157.5°	1257.2	1257.3	1259.1	1260.9	1262.6	1264.5	1266.0	1267.4	1268.9	1270.3	1270.2
160°	1272.4	1272.4	1273.7	1275.1	1276.4	1277.6	1278.9	1280.2	1281.4	1282.7	1282.6
162.5°	1284.9	1284.8	1285.9	1287.0	1288.1	1289.2	1290.6	1292.1	1293.5	1295.1	1294.8
165°	1301.4	1301.1	1301.7	1302.3	1303.0	1303.6	1305.1	1306.7	1308.2	1309.7	1309.7
167.5°	1313.7	1313.4	1314.0	1314.6	1315.2	1315.9	1317.3	1318.8	1320.3	1321.8	1321.6
170°	1320.7	1320.3	1320.7	1321.1	1321.6	1322.0	1323.5	1325.0	1326.5	1328.0	1327.8
172.5°	1325.3	1324.9	1325.3	1325.8	1326.2	1326.7	1328.2	1329.6	1331.1	1332.6	1332.4
175°	1330.5	1329.9	1330.4	1330.8	1331.2	1331.6	1333.1	1334.6	1336.2	1337.7	1337.4
177.5°	1332.6	1332.1	1332.3	1332.4	1332.6	1332.8	1334.0	1335.2	1336.4	1337.6	1337.5
180°	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5



TEST NUMBER: P331793-840

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4
2.5°	1042.2	1042.8	1041.9	1042.5	1041.9	1042.8	1042.2	1045.5	1046.1	1046.7	1046.1
5°	971.1	966.5	965.8	964.7	965.8	966.5	971.1	973.0	974.5	977.4	982.8
7.5°	886.2	885.4	883.6	880.9	883.6	885.4	886.2	892.6	897.8	903.6	914.4
10°	831.5	829.7	829.3	826.7	829.3	829.7	831.5	839.8	845.9	854.1	868.9
12.5°	767.6	755.5	754.2	747.6	754.2	755.5	767.6	778.3	794.6	802.5	818.2
15°	653.6	651.3	643.8	638.8	643.8	651.3	653.6	662.6	668.6	690.5	715.8
17.5°	588.3	581.0	578.7	577.6	578.7	581.0	588.3	592.8	601.4	612.9	628.1
20°	546.4	539.7	538.6	537.8	538.6	539.7	546.4	551.7	558.6	571.0	586.8
22.5°	517.5	510.4	507.5	505.2	507.5	510.4	517.5	521.6	527.8	537.5	548.2
25°	468.0	465.3	463.8	463.1	463.8	465.3	468.0	471.8	477.8	491.0	502.3
27.5°	429.3	423.5	422.3	420.4	422.3	423.5	429.3	436.1	442.3	448.3	458.4
30°	407.3	405.4	402.7	400.5	402.7	405.4	407.3	410.7	414.9	425.1	434.8
32.5°	381.3	379.8	377.4	376.4	377.4	379.8	381.3	386.0	394.7	400.9	408.0
35°	352.6	347.3	345.1	341.6	345.1	347.3	352.6	356.4	359.8	365.1	377.9
37.5°	322.2	319.4	316.3	317.4	316.3	319.4	322.2	323.8	330.9	338.3	343.9
40°	298.7	296.8	296.0	295.7	296.0	296.8	298.7	303.6	312.3	315.7	324.0
42.5°	279.9	274.8	272.8	272.8	272.8	274.8	279.9	285.5	290.8	296.3	305.0
45°	251.6	246.6	243.3	243.6	243.3	246.6	251.6	253.4	257.9	268.9	273.8
47.5°	222.5	222.3	220.2	220.9	220.2	222.3	222.5	225.7	231.5	238.2	246.0
50°	208.5	206.3	204.8	205.1	204.8	206.3	208.5	211.2	214.6	217.9	230.0
52.5°	195.3	193.3	192.1	193.7	192.1	193.3	195.3	196.7	199.1	202.6	210.8
55°	173.5	171.2	170.9	170.5	170.9	171.2	173.5	175.3	178.3	181.0	184.8
57.5°	149.2	147.6	145.3	144.4	145.3	147.6	149.2	151.9	155.5	159.0	162.9
60°	131.6	128.6	124.8	124.4	124.8	128.6	131.6	136.5	138.0	143.3	147.8
62.5°	115.6	115.0	114.3	114.2	114.3	115.0	115.6	117.2	119.4	127.0	132.5
65°	101.5	101.1	101.5	101.8	101.5	101.1	101.5	102.2	102.6	103.3	105.6
67.5°	88.4	87.8	87.1	87.4	87.1	87.8	88.4	88.6	89.6	90.1	91.6
70°	78.5	78.1	77.7	77.7	77.7	78.1	78.5	79.2	80.0	80.7	82.6
72.5°	68.8	68.7	68.4	68.1	68.4	68.7	68.8	70.2	70.6	71.4	72.6
75°	55.0	54.3	54.3	54.3	54.3	54.3	55.0	55.4	55.8	57.0	57.7
77.5°	41.9	41.6	41.2	40.9	41.2	41.6	41.9	42.0	42.6	42.8	43.6
80°	33.2	32.8	32.4	32.4	32.4	32.8	33.2	33.5	33.5	34.7	34.3
82.5°	25.3	24.9	24.8	24.5	24.8	24.9	25.3	25.4	25.4	26.3	26.2
85°	13.5	13.9	13.5	14.3	13.5	13.9	13.5	13.2	13.5	14.3	14.3
87.5°	8.9	8.7	9.1	8.8	9.1	8.7	8.9	8.8	9.0	8.7	8.5
90°	24.7	25.1	25.7	26.1	25.7	25.1	24.7	24.3	23.6	22.5	21.4
92.5°	25.2	25.5	25.8	26.1	25.8	25.5	25.2	25.0	24.6	24.0	23.5
95°	42.1	41.9	41.7	41.5	41.7	41.9	42.1	42.3	41.9	40.9	39.8
97.5°	54.6	54.8	55.1	55.3	55.1	54.8	54.6	54.3	53.8	52.9	52.1
100°	63.3	63.8	64.2	64.6	64.2	63.8	63.3	62.9	61.9	60.2	58.5
102.5°	67.5	68.1	68.7	69.3	68.7	68.1	67.5	66.9	65.4	63.2	61.0
105°	70.8	71.6	72.5	73.3	72.5	71.6	70.8	69.9	68.3	65.9	63.6
107.5°	72.9	73.7	74.6	75.4	74.6	73.7	72.9	72.0	72.8	75.2	77.6
110°	73.6	74.5	75.3	76.2	75.3	74.5	73.6	72.8	83.1	104.5	125.9



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	74.9	75.6	76.3	77.1	76.3	75.6	74.9	74.2	113.0	191.3	269.4
115°	125.4	110.0	94.5	79.2	94.5	110.0	125.4	140.9	198.2	297.5	396.8
117.5°	475.2	424.5	373.9	323.1	373.9	424.5	475.2	526.0	563.4	587.4	611.4
120°	675.5	646.5	617.5	588.7	617.5	646.5	675.5	704.4	717.6	715.0	712.5
122.5°	751.3	745.8	740.1	734.6	740.1	745.8	751.3	757.0	759.0	757.5	756.0
125°	823.1	823.7	824.4	825.1	824.4	823.7	823.1	822.4	821.4	819.9	818.4
127.5°	881.8	881.9	882.0	882.1	882.0	881.9	881.8	881.6	880.5	878.3	876.2
130°	918.3	918.1	917.9	917.7	917.9	918.1	918.3	918.6	917.5	915.1	912.7
132.5°	953.0	952.8	952.6	952.4	952.6	952.8	953.0	953.3	952.4	950.4	948.4
135°	1003.9	1003.4	1003.0	1002.6	1003.0	1003.4	1003.9	1004.3	1003.4	1001.3	999.2
137.5°	1050.6	1049.8	1049.0	1048.3	1049.0	1049.8	1050.6	1051.3	1050.6	1048.4	1046.3
140°	1080.2	1079.0	1077.9	1076.9	1077.9	1079.0	1080.2	1081.2	1080.8	1078.8	1076.9
142.5°	1107.9	1106.8	1105.8	1104.7	1105.8	1106.8	1107.9	1108.9	1108.6	1106.9	1105.1
145°	1146.7	1145.6	1144.6	1143.5	1144.6	1145.6	1146.7	1147.8	1147.5	1146.1	1144.6
147.5°	1180.3	1179.4	1178.5	1177.6	1178.5	1179.4	1180.3	1181.2	1181.1	1180.0	1178.9
150°	1201.7	1200.6	1199.5	1198.5	1199.5	1200.6	1201.7	1202.7	1202.6	1201.3	1200.1
152.5°	1220.5	1219.1	1217.7	1216.3	1217.7	1219.1	1220.5	1221.9	1221.9	1220.6	1219.4
155°	1246.1	1244.4	1242.6	1240.9	1242.6	1244.4	1246.1	1247.8	1248.0	1246.7	1245.5
157.5°	1268.5	1266.9	1265.2	1263.5	1265.2	1266.9	1268.5	1270.2	1270.3	1268.9	1267.4
160°	1281.1	1279.6	1278.2	1276.7	1278.2	1279.6	1281.1	1282.6	1282.7	1281.4	1280.2
162.5°	1292.9	1291.1	1289.3	1287.5	1289.3	1291.1	1292.9	1294.8	1295.1	1293.5	1292.1
165°	1308.2	1306.7	1305.1	1303.6	1305.1	1306.7	1308.2	1309.7	1309.7	1308.2	1306.7
167.5°	1319.7	1317.8	1315.9	1313.9	1315.9	1317.8	1319.7	1321.6	1321.8	1320.3	1318.8
170°	1325.9	1323.9	1322.0	1320.1	1322.0	1323.9	1325.9	1327.8	1328.0	1326.5	1325.0
172.5°	1330.5	1328.6	1326.7	1324.7	1326.7	1328.6	1330.5	1332.4	1332.6	1331.1	1329.6
175°	1335.1	1333.0	1330.9	1328.8	1330.9	1333.0	1335.1	1337.4	1337.7	1336.2	1334.6
177.5°	1335.8	1334.3	1332.8	1331.3	1332.8	1334.3	1335.8	1337.5	1337.6	1336.4	1335.2
180°	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4
2.5°	1043.7	1047.9	1054.3	1057.9	1063.9	1067.8	1070.0	1073.9	1076.0	1083.6	1091.4
5°	985.4	991.5	1002.0	1011.8	1022.4	1033.3	1041.3	1050.3	1058.5	1072.9	1088.0
7.5°	918.6	927.0	943.3	959.0	977.3	992.8	1006.4	1021.9	1035.7	1056.2	1077.6
10°	868.5	883.2	904.7	919.4	943.5	959.0	980.5	997.4	1016.7	1043.9	1068.0
12.5°	825.4	843.1	860.4	880.8	902.5	928.3	951.9	973.6	996.5	1024.6	1052.9
15°	747.1	772.7	799.5	820.2	849.7	876.8	904.3	933.7	961.7	995.2	1032.2
17.5°	646.3	676.0	721.0	756.6	791.1	818.4	852.4	888.1	920.9	961.4	1002.5
20°	600.8	622.6	653.2	701.0	753.2	782.1	816.9	856.1	893.7	937.9	982.0
22.5°	564.2	583.7	608.2	645.5	703.7	743.3	779.4	819.3	863.0	908.1	956.9
25°	512.1	525.7	551.4	581.5	621.5	686.7	726.3	766.3	813.9	862.1	917.9
27.5°	473.0	485.2	501.9	530.7	560.4	607.2	670.2	713.8	761.1	815.5	873.4
30°	443.1	457.5	475.9	496.2	528.8	565.3	628.2	678.8	725.6	781.4	843.2
32.5°	421.4	432.7	448.5	469.2	496.1	531.2	581.5	642.9	688.4	747.3	811.8
35°	385.8	399.0	411.8	431.4	453.3	485.3	523.4	589.1	634.3	692.4	757.3
37.5°	356.5	364.6	378.7	394.3	417.3	441.2	474.2	533.1	582.1	639.0	705.5
40°	334.2	344.3	354.9	372.2	391.1	414.0	446.5	490.3	546.4	602.3	667.1
42.5°	312.5	325.3	336.5	348.1	368.7	391.7	418.2	455.2	512.6	565.4	628.5
45°	286.2	294.6	306.2	319.0	336.0	355.7	379.0	411.4	466.5	512.1	571.4
47.5°	255.8	267.9	275.5	288.0	304.2	322.9	344.6	372.6	417.3	460.0	514.9
50°	235.0	247.4	258.3	269.6	284.0	302.1	320.1	347.3	383.1	428.1	479.3
52.5°	217.1	228.1	238.7	250.0	264.1	280.6	297.8	321.6	352.3	393.6	443.4
55°	192.7	199.4	210.5	221.8	234.2	250.0	266.6	286.6	313.1	347.7	388.1
57.5°	167.6	175.5	184.2	195.6	208.1	220.4	235.2	253.4	274.2	305.6	340.1
60°	153.5	159.6	166.7	178.3	190.1	201.0	215.3	230.5	250.0	277.2	306.6
62.5°	137.8	143.5	150.1	160.3	171.7	181.7	194.2	210.3	226.8	251.6	277.3
65°	111.6	120.0	126.3	135.4	144.8	155.4	165.2	178.0	192.7	212.3	235.3
67.5°	92.5	96.7	102.7	111.0	120.6	129.7	139.0	149.0	161.7	176.8	195.1
70°	84.1	85.6	86.7	94.6	103.7	112.8	121.4	130.9	141.8	154.2	170.1
72.5°	74.1	75.6	77.1	80.5	87.8	96.7	105.7	112.8	123.1	133.4	146.2
75°	58.9	61.1	62.2	64.1	66.8	72.8	81.1	87.9	93.9	101.8	112.0
77.5°	44.8	46.0	47.3	49.3	50.9	53.7	58.4	64.5	70.2	74.7	81.8
80°	35.4	35.9	37.4	38.1	40.4	42.2	44.5	49.4	55.0	57.0	61.8
82.5°	26.7	27.1	28.3	29.1	30.1	31.7	34.5	35.9	40.3	42.7	45.8
85°	14.7	14.3	15.5	15.5	16.3	17.0	17.8	19.6	20.7	23.7	24.5
87.5°	8.6	8.4	8.4	8.0	7.7	7.9	7.8	7.7	7.8	8.2	9.0
90°	20.4	19.3	17.6	15.9	14.1	12.4	10.4	8.1	5.7	3.3	1.0
92.5°	22.9	22.4	21.5	20.7	19.8	19.0	18.7	18.9	19.1	19.3	19.5
95°	38.7	37.7	36.2	34.6	33.1	31.6	34.4	41.5	48.6	55.6	62.7
97.5°	51.2	50.4	46.9	43.4	40.0	36.5	44.7	64.6	84.6	104.5	124.5
100°	56.8	55.0	51.4	47.7	44.0	40.4	53.3	82.7	112.0	141.4	170.8
102.5°	58.8	56.6	87.1	117.5	148.0	178.5	196.8	203.1	209.3	215.5	221.8
105°	61.2	58.9	117.4	175.9	234.5	293.1	319.1	312.7	306.2	299.8	293.4
107.5°	80.0	82.4	152.6	222.8	293.1	363.2	395.8	390.5	385.4	380.2	375.0
110°	147.4	168.8	230.9	292.9	354.8	416.8	445.5	441.0	436.5	432.0	427.5



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	347.7	426.0	441.2	456.6	471.9	487.2	492.8	488.9	484.8	480.9	476.9
115°	496.0	595.4	590.1	584.6	579.3	573.9	569.5	565.8	562.2	558.5	554.8
117.5°	635.4	659.4	655.8	652.1	648.4	644.7	640.9	636.7	632.7	628.6	624.5
120°	709.9	707.3	703.5	699.6	695.7	691.9	688.3	685.1	681.9	678.7	675.5
122.5°	754.4	752.9	748.6	744.5	740.2	736.1	732.3	728.8	725.5	722.1	718.7
125°	816.9	815.4	811.3	807.3	803.1	799.1	795.7	792.8	790.1	787.3	784.5
127.5°	873.9	871.7	868.7	865.7	862.6	859.6	856.5	853.4	850.3	847.3	844.1
130°	910.4	908.1	905.6	903.3	900.9	898.6	895.6	892.2	888.9	885.4	882.0
132.5°	946.3	944.3	941.9	939.6	937.3	934.8	932.2	929.3	926.5	923.5	920.6
135°	997.0	994.9	992.9	991.0	989.1	987.1	984.5	981.1	977.7	974.2	970.8
137.5°	1044.3	1042.2	1040.0	1037.7	1035.6	1033.4	1031.1	1028.7	1026.3	1023.9	1021.5
140°	1075.0	1073.1	1070.7	1068.3	1065.9	1063.6	1061.6	1059.9	1058.1	1056.4	1054.7
142.5°	1103.4	1101.6	1098.9	1096.2	1093.5	1090.8	1088.6	1087.1	1085.6	1084.0	1082.5
145°	1143.1	1141.6	1137.9	1134.3	1130.6	1127.0	1125.3	1125.5	1125.7	1125.9	1126.1
147.5°	1177.8	1176.7	1173.1	1169.4	1165.9	1162.3	1160.8	1161.6	1162.5	1163.3	1164.2
150°	1198.8	1197.5	1194.1	1190.6	1187.2	1183.8	1182.9	1184.4	1185.8	1187.3	1188.8
152.5°	1218.1	1216.8	1213.6	1210.3	1207.0	1203.8	1203.0	1204.7	1206.3	1208.0	1209.7
155°	1244.2	1242.8	1240.3	1237.7	1235.2	1232.5	1232.2	1234.2	1236.1	1238.0	1240.0
157.5°	1266.0	1264.5	1262.6	1260.9	1259.1	1257.3	1257.2	1258.8	1260.4	1262.1	1263.7
160°	1278.9	1277.6	1276.4	1275.1	1273.7	1272.4	1272.4	1273.7	1275.1	1276.4	1277.6
162.5°	1290.6	1289.2	1288.1	1287.0	1285.9	1284.8	1284.9	1286.1	1287.4	1288.7	1290.0
165°	1305.1	1303.6	1303.0	1302.3	1301.7	1301.1	1301.4	1302.7	1303.9	1305.3	1306.6
167.5°	1317.3	1315.9	1315.2	1314.6	1314.0	1313.4	1313.7	1315.0	1316.4	1317.6	1318.9
170°	1323.5	1322.0	1321.6	1321.1	1320.7	1320.3	1320.7	1322.0	1323.3	1324.5	1325.9
172.5°	1328.2	1326.7	1326.2	1325.8	1325.3	1324.9	1325.3	1326.7	1327.9	1329.2	1330.5
175°	1333.1	1331.6	1331.2	1330.8	1330.4	1329.9	1330.5	1332.0	1333.4	1334.9	1336.5
177.5°	1334.0	1332.8	1332.6	1332.4	1332.3	1332.1	1332.6	1333.8	1335.0	1336.3	1337.5
180°	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4
2.5°	1091.7	1092.6	1098.6	1101.4	1106.8	1108.9	1111.3	1110.6	1110.6	1111.9	1120.3
5°	1094.0	1101.6	1112.9	1123.8	1134.4	1143.5	1149.4	1155.5	1157.7	1168.7	1178.5
7.5°	1090.1	1104.0	1122.7	1139.3	1159.3	1175.0	1187.9	1199.6	1207.6	1223.6	1239.8
10°	1085.0	1104.6	1125.7	1147.2	1174.8	1195.5	1216.6	1232.8	1238.1	1261.8	1275.5
12.5°	1074.7	1101.0	1127.8	1155.7	1182.6	1211.1	1234.4	1250.6	1269.2	1290.5	1315.6
15°	1059.3	1089.5	1124.6	1160.4	1198.9	1233.6	1258.5	1286.8	1307.1	1330.5	1352.3
17.5°	1037.2	1076.1	1120.6	1162.2	1206.6	1243.9	1278.2	1305.3	1319.6	1332.9	1336.3
20°	1019.8	1061.6	1114.0	1163.1	1207.5	1250.5	1284.4	1307.1	1310.9	1311.2	1291.2
22.5°	1000.8	1048.0	1102.9	1153.1	1206.3	1254.2	1280.5	1290.2	1275.3	1249.7	1211.0
25°	965.8	1020.5	1084.2	1141.6	1199.6	1244.9	1253.9	1237.0	1184.6	1129.4	1059.8
27.5°	928.0	989.4	1057.7	1121.5	1183.4	1211.4	1191.8	1130.6	1036.2	954.2	854.7
30°	900.2	969.2	1036.3	1107.6	1164.9	1177.0	1132.2	1042.0	931.9	808.2	709.0
32.5°	868.5	940.8	1014.6	1088.3	1136.3	1124.5	1050.4	939.4	810.3	688.7	594.9
35°	823.2	898.0	977.4	1051.4	1082.0	1031.1	920.2	775.8	643.8	530.3	465.7
37.5°	771.0	852.3	935.0	1002.9	1000.8	915.8	764.9	615.7	504.8	437.7	391.7
40°	733.9	816.1	905.4	962.8	938.3	827.8	664.1	523.4	442.3	388.8	355.3
42.5°	698.3	780.8	869.6	915.1	872.5	736.7	573.6	463.4	396.5	354.8	327.5
45°	637.7	724.8	807.1	832.3	756.1	606.4	463.8	384.0	339.4	308.5	289.6
47.5°	578.6	664.2	739.2	739.7	636.6	491.8	391.3	332.2	294.3	270.3	256.6
50°	542.3	623.8	686.7	676.9	560.1	437.5	349.9	299.0	267.4	248.9	234.6
52.5°	501.6	580.6	635.1	607.2	495.1	385.0	312.9	270.1	243.9	227.8	215.0
55°	442.3	512.5	551.0	508.8	403.9	320.1	264.4	230.8	211.2	197.6	186.7
57.5°	384.3	442.0	466.3	417.1	332.6	265.5	223.6	198.4	178.9	169.3	163.6
60°	347.7	397.1	414.0	359.8	289.2	232.3	198.0	174.6	160.3	153.9	148.2
62.5°	311.8	352.1	359.2	309.4	252.2	203.4	173.9	154.1	144.6	138.5	133.1
65°	258.7	287.7	284.4	244.4	199.4	161.4	139.9	127.8	120.7	112.0	102.6
67.5°	213.0	230.8	220.0	190.1	152.3	125.4	111.4	102.3	93.4	85.1	83.0
70°	184.0	194.2	182.9	155.4	124.8	105.2	93.9	83.0	77.7	75.8	72.4
72.5°	156.3	159.9	147.6	124.0	101.6	87.2	76.1	70.0	67.2	65.5	63.3
75°	117.2	114.6	104.1	85.6	70.5	60.7	57.4	55.0	53.2	51.7	50.5
77.5°	82.4	78.5	69.1	57.1	49.1	44.4	42.4	41.2	40.3	39.5	38.4
80°	61.8	59.2	49.8	40.7	37.4	35.0	33.9	32.4	32.4	31.7	30.5
82.5°	45.2	42.3	34.1	29.9	28.0	26.7	25.8	24.8	24.5	24.7	23.9
85°	23.7	19.2	17.0	16.3	15.0	14.3	14.7	13.9	13.9	13.9	13.5
87.5°	7.9	6.9	7.1	7.2	7.9	8.3	8.3	8.7	9.3	9.2	9.7
90°	3.3	5.7	8.1	10.4	12.4	14.1	15.9	17.6	19.3	20.4	21.4
92.5°	19.3	19.1	18.9	18.7	19.0	19.8	20.7	21.5	22.4	22.9	23.5
95°	55.6	48.6	41.5	34.4	31.6	33.1	34.6	36.2	37.7	38.7	39.8
97.5°	104.5	84.6	64.6	44.7	36.5	40.0	43.4	46.9	50.4	51.2	52.1
100°	141.4	112.0	82.7	53.3	40.4	44.0	47.7	51.4	55.0	56.8	58.5
102.5°	215.5	209.3	203.1	196.8	178.5	148.0	117.5	87.1	56.6	58.8	61.0
105°	299.8	306.2	312.7	319.1	293.1	234.5	175.9	117.4	58.9	61.2	63.6
107.5°	380.2	385.4	390.5	395.8	363.2	293.1	222.8	152.6	82.4	80.0	77.6
110°	432.0	436.5	441.0	445.5	416.8	354.8	292.9	230.9	168.8	147.4	125.9





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	480.9	484.8	488.9	492.8	487.2	471.9	456.6	441.2	426.0	347.7	269.4
115°	558.5	562.2	565.8	569.5	573.9	579.3	584.6	590.1	595.4	496.0	396.8
117.5°	628.6	632.7	636.7	640.9	644.7	648.4	652.1	655.8	659.4	635.4	611.4
120°	678.7	681.9	685.1	688.3	691.9	695.7	699.6	703.5	707.3	709.9	712.5
122.5°	722.1	725.5	728.8	732.3	736.1	740.2	744.5	748.6	752.9	754.4	756.0
125°	787.3	790.1	792.8	795.7	799.1	803.1	807.3	811.3	815.4	816.9	818.4
127.5°	847.3	850.3	853.4	856.5	859.6	862.6	865.7	868.7	871.7	873.9	876.2
130°	885.4	888.9	892.2	895.6	898.6	900.9	903.3	905.6	908.1	910.4	912.7
132.5°	923.5	926.5	929.3	932.2	934.8	937.3	939.6	941.9	944.3	946.3	948.4
135°	974.2	977.7	981.1	984.5	987.1	989.1	991.0	992.9	994.9	997.0	999.2
137.5°	1023.9	1026.3	1028.7	1031.1	1033.4	1035.6	1037.7	1040.0	1042.2	1044.3	1046.3
140°	1056.4	1058.1	1059.9	1061.6	1063.6	1065.9	1068.3	1070.7	1073.1	1075.0	1076.9
142.5°	1084.0	1085.6	1087.1	1088.6	1090.8	1093.5	1096.2	1098.9	1101.6	1103.4	1105.1
145°	1125.9	1125.7	1125.5	1125.3	1127.0	1130.6	1134.3	1137.9	1141.6	1143.1	1144.6
147.5°	1163.3	1162.5	1161.6	1160.8	1162.3	1165.9	1169.4	1173.1	1176.7	1177.8	1178.9
150°	1187.3	1185.8	1184.4	1182.9	1183.8	1187.2	1190.6	1194.1	1197.5	1198.8	1200.1
152.5°	1208.0	1206.3	1204.7	1203.0	1203.8	1207.0	1210.3	1213.6	1216.8	1218.1	1219.4
155°	1238.0	1236.1	1234.2	1232.2	1232.5	1235.2	1237.7	1240.3	1242.8	1244.2	1245.5
157.5°	1262.1	1260.4	1258.8	1257.2	1257.3	1259.1	1260.9	1262.6	1264.5	1266.0	1267.4
160°	1276.4	1275.1	1273.7	1272.4	1272.4	1273.7	1275.1	1276.4	1277.6	1278.9	1280.2
162.5°	1288.7	1287.4	1286.1	1284.9	1284.8	1285.9	1287.0	1288.1	1289.2	1290.6	1292.1
165°	1305.3	1303.9	1302.7	1301.4	1301.1	1301.7	1302.3	1303.0	1303.6	1305.1	1306.7
167.5°	1317.6	1316.4	1315.0	1313.7	1313.4	1314.0	1314.6	1315.2	1315.9	1317.3	1318.8
170°	1324.5	1323.3	1322.0	1320.7	1320.3	1320.7	1321.1	1321.6	1322.0	1323.5	1325.0
172.5°	1329.2	1327.9	1326.7	1325.3	1324.9	1325.3	1325.8	1326.2	1326.7	1328.2	1329.6
175°	1334.9	1333.4	1332.0	1330.5	1329.9	1330.4	1330.8	1331.2	1331.6	1333.1	1334.6
177.5°	1336.3	1335.0	1333.8	1332.6	1332.1	1332.3	1332.4	1332.6	1332.8	1334.0	1335.2
180°	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4	1085.4
2.5°	1123.4	1127.3	1129.1	1129.1	1131.3	1130.3	1129.4
5°	1187.9	1195.1	1196.6	1203.4	1208.3	1206.8	1207.5
7.5°	1252.1	1263.6	1275.1	1280.2	1281.1	1284.1	1285.3
10°	1291.6	1301.1	1318.8	1316.2	1329.4	1336.9	1324.4
12.5°	1329.7	1342.4	1354.7	1358.1	1365.5	1368.0	1363.0
15°	1364.0	1370.8	1371.6	1369.7	1372.0	1370.1	1362.9
17.5°	1331.9	1320.9	1298.6	1288.0	1279.6	1267.3	1262.3
20°	1278.8	1246.4	1208.7	1193.6	1175.9	1141.1	1149.4
22.5°	1164.2	1127.2	1089.5	1045.4	1024.4	991.5	989.6
25°	985.8	922.1	851.9	802.8	774.3	741.4	727.1
27.5°	766.5	686.2	628.7	599.7	573.1	547.1	546.0
30°	622.3	561.9	517.5	492.5	476.4	465.3	467.7
32.5°	524.5	483.1	453.1	432.5	420.5	412.2	412.1
35°	428.8	400.5	381.2	372.6	364.0	357.9	358.3
37.5°	367.0	349.9	339.2	329.7	324.3	321.3	319.6
40°	335.3	321.3	313.1	307.4	302.9	298.7	297.9
42.5°	310.2	298.7	290.3	285.9	281.8	278.7	278.0
45°	275.3	265.9	258.3	253.4	251.6	248.9	248.9
47.5°	244.9	235.6	229.7	226.6	223.4	221.7	221.6
50°	224.4	217.2	212.0	210.1	207.4	206.3	205.9
52.5°	206.0	200.7	196.8	195.6	194.4	193.0	193.2
55°	181.0	178.0	176.5	175.3	173.5	171.2	172.7
57.5°	160.0	157.4	153.3	149.8	148.0	146.4	147.0
60°	145.2	139.9	134.6	130.5	129.4	125.9	125.9
62.5°	126.5	119.1	112.6	110.3	109.2	107.6	107.2
65°	97.3	94.3	92.8	91.3	90.5	90.5	89.8
67.5°	80.6	79.4	77.8	77.4	76.6	76.4	76.1
70°	71.3	69.8	69.0	68.7	67.9	68.3	67.2
72.5°	62.2	61.0	60.9	59.9	59.5	59.5	58.7
75°	49.0	49.0	48.7	48.3	47.6	47.2	47.6
77.5°	37.7	37.8	37.1	37.1	37.0	37.1	36.7
80°	30.2	30.5	30.2	29.8	29.4	29.8	29.4
82.5°	23.8	23.3	23.2	23.1	23.1	22.8	22.8
85°	13.5	13.9	13.5	13.2	13.2	13.2	13.5
87.5°	9.6	9.9	10.0	10.1	10.2	10.3	10.0
90°	22.5	23.6	24.3	24.7	25.1	25.7	26.1
92.5°	24.0	24.6	25.0	25.2	25.5	25.8	26.1
95°	40.9	41.9	42.3	42.1	41.9	41.7	41.5
97.5°	52.9	53.8	54.3	54.6	54.8	55.1	55.3
100°	60.2	61.9	62.9	63.3	63.8	64.2	64.6
102.5°	63.2	65.4	66.9	67.5	68.1	68.7	69.3
105°	65.9	68.3	69.9	70.8	71.6	72.5	73.3
107.5°	75.2	72.8	72.0	72.9	73.7	74.6	75.4
110°	104.5	83.1	72.8	73.6	74.5	75.3	76.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	191.3	113.0	74.2	74.9	75.6	76.3	77.1
115°	297.5	198.2	140.9	125.4	110.0	94.5	79.2
117.5°	587.4	563.4	526.0	475.2	424.5	373.9	323.1
120°	715.0	717.6	704.4	675.5	646.5	617.5	588.7
122.5°	757.5	759.0	757.0	751.3	745.8	740.1	734.6
125°	819.9	821.4	822.4	823.1	823.7	824.4	825.1
127.5°	878.3	880.5	881.6	881.8	881.9	882.0	882.1
130°	915.1	917.5	918.6	918.3	918.1	917.9	917.7
132.5°	950.4	952.4	953.3	953.0	952.8	952.6	952.4
135°	1001.3	1003.4	1004.3	1003.9	1003.4	1003.0	1002.6
137.5°	1048.4	1050.6	1051.3	1050.6	1049.8	1049.0	1048.3
140°	1078.8	1080.8	1081.2	1080.2	1079.0	1077.9	1076.9
142.5°	1106.9	1108.6	1108.9	1107.9	1106.8	1105.8	1104.7
145°	1146.1	1147.5	1147.8	1146.7	1145.6	1144.6	1143.5
147.5°	1180.0	1181.1	1181.2	1180.3	1179.4	1178.5	1177.6
150°	1201.3	1202.6	1202.7	1201.7	1200.6	1199.5	1198.5
152.5°	1220.6	1221.9	1221.9	1220.5	1219.1	1217.7	1216.3
155°	1246.7	1248.0	1247.8	1246.1	1244.4	1242.6	1240.9
157.5°	1268.9	1270.3	1270.2	1268.5	1266.9	1265.2	1263.5
160°	1281.4	1282.7	1282.6	1281.1	1279.6	1278.2	1276.7
162.5°	1293.5	1295.1	1294.8	1292.9	1291.1	1289.3	1287.5
165°	1308.2	1309.7	1309.7	1308.2	1306.7	1305.1	1303.6
167.5°	1320.3	1321.8	1321.6	1319.7	1317.8	1315.9	1313.9
170°	1326.5	1328.0	1327.8	1325.9	1323.9	1322.0	1320.1
172.5°	1331.1	1332.6	1332.4	1330.5	1328.6	1326.7	1324.7
175°	1336.2	1337.7	1337.4	1335.1	1333.0	1330.9	1328.8
177.5°	1336.4	1337.6	1337.5	1335.8	1334.3	1332.8	1331.3
180°	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5	1333.5

(END OF REPORT)