

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: P332422-935

Luminaire Tested: **S123RDIW-S560D1320U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332422-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIW-S560D1320U935-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1320 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6466.5 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Indirect

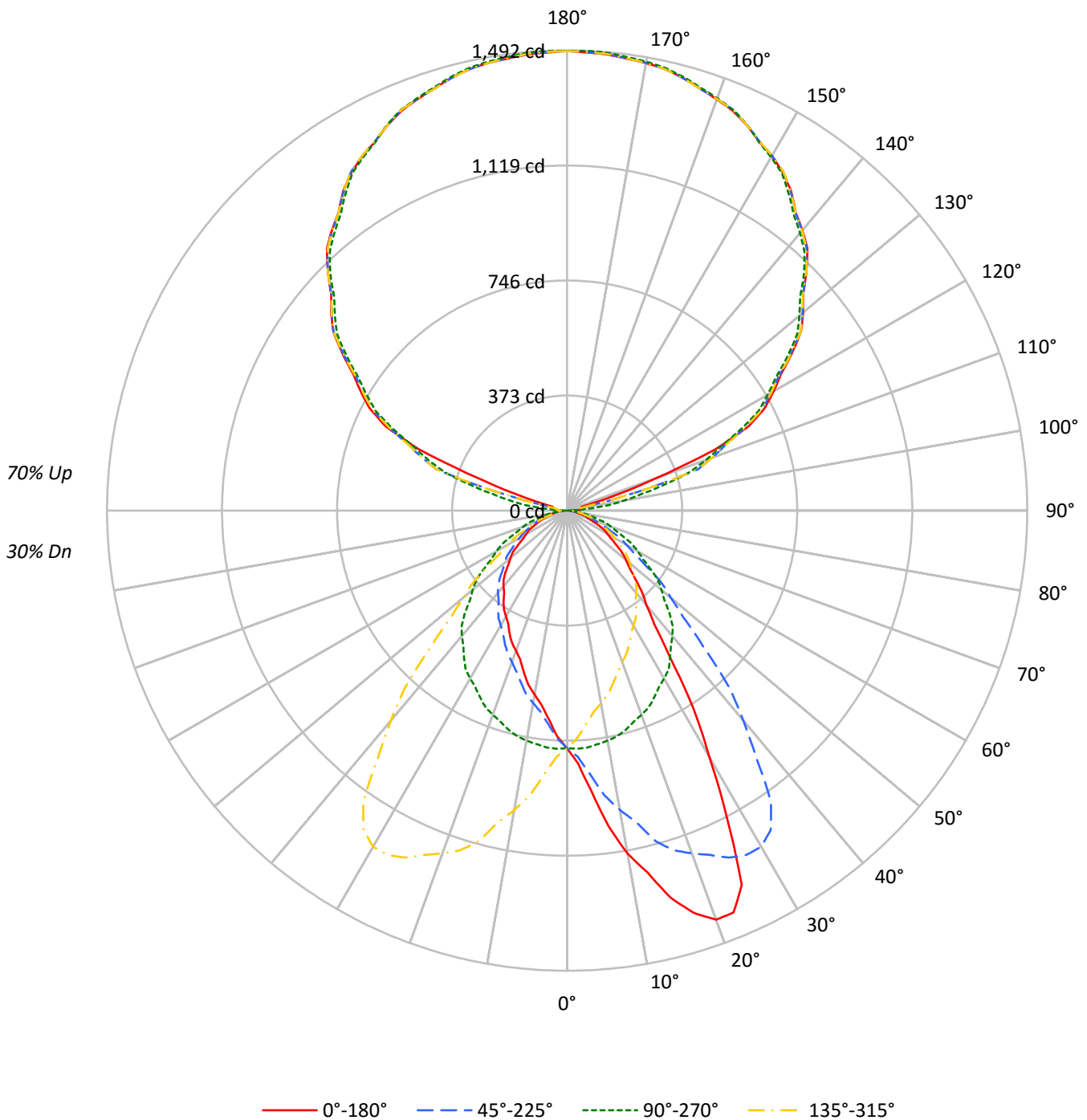
Input Watts (W): 53.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	102	102	102	92	92	92	92	72	72	72	54	54	54	38	38	38	30
1	94	90	86	83	84	80	77	75	64	62	60	48	47	46	34	33	32	26
2	85	79	73	68	76	71	66	62	56	53	50	43	40	39	30	29	28	22
3	78	69	62	57	70	62	57	52	50	46	42	38	35	33	27	25	24	19
4	72	61	54	48	64	55	49	44	44	40	36	34	31	28	24	22	21	17
5	66	55	47	41	59	50	43	38	40	35	31	30	27	25	22	20	18	15
6	60	49	41	36	54	44	38	33	36	31	27	28	24	22	20	18	16	13
7	56	44	37	31	50	40	34	29	32	28	24	25	22	19	18	16	15	12
8	52	40	33	28	46	36	30	26	30	25	21	23	20	17	17	15	13	11
9	48	37	29	25	43	33	27	23	27	22	19	21	18	15	16	13	12	10
10	45	33	27	22	40	30	24	20	25	20	17	19	16	14	14	12	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8291	8291	8291	8291
5°	9884	8327	7333	8327
10°	12342	8279	6625	8279
15°	14487	8195	6042	8195
20°	16167	8069	5545	8069
25°	15909	7935	5241	7935
30°	11436	7812	4927	7812
35°	7636	7653	4724	7653
40°	5626	7461	4513	7461
45°	4719	7124	4306	7124
50°	4165	6683	4019	6683
55°	3652	6178	3626	6178
60°	3251	5694	3324	5694
65°	2855	5173	3092	5173
70°	2241	4711	2823	4711
75°	1975	4113	2578	4113
80°	1717	3496	2535	3496
85°	1383	2803	2692	2803



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.8	1.2
10°-20°	236.7	3.7
20°-30°	371.8	5.8
30°-40°	387.9	6.0
40°-50°	332.0	5.1
50°-60°	253.0	3.9
60°-70°	162.2	2.5
70°-80°	78.0	1.2
80°-90°	24.8	0.4
90°-100°	54.2	0.8
100°-110°	258.2	4.0
110°-120°	620.2	9.6
120°-130°	789.8	12.2
130°-140°	843.9	13.0
140°-150°	789.1	12.2
150°-160°	636.5	9.8
160°-170°	410.8	6.4
170°-180°	141.6	2.2
0°-30°	684.3	10.6
0°-40°	1072.2	16.6
0°-60°	1657.2	25.6
0°-90°	1922.2	29.7
90°-120°	932.6	14.4
90°-150°	3355.4	51.9
90°-180°	4544.0	70.3
0°-180°	6466.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	770	770	770	770	770	
5°	915	771	679	771	915	94
15°	1300	735	542	735	1300	369
25°	1340	668	441	668	1340	576
35°	581	582	360	582	581	381
45°	310	468	283	468	310	244
55°	195	329	193	329	195	176
65°	112	203	121	203	112	110
75°	48	99	62	99	48	51
85°	11	23	22	23	11	14
90°	33	1	33	1	33	15
95°	42	68	42	68	42	35
105°	49	330	49	330	49	111
115°	651	619	651	619	651	602
125°	890	872	890	872	890	795
135°	1097	1086	1097	1086	1097	846
145°	1265	1253	1265	1253	1265	790
155°	1378	1380	1378	1380	1378	636
165°	1452	1456	1452	1456	1452	410
175°	1485	1490	1485	1490	1485	141
180°	1490	1490	1490	1490	1490	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3
2.5°	820.4	821.6	818.1	817.6	813.6	812.6	812.6	807.0	803.6	799.1	796.5
5°	914.8	920.1	917.5	911.5	901.6	899.3	893.0	883.1	871.9	858.1	851.5
7.5°	1032.6	1039.8	1037.0	1027.9	1017.5	1009.1	991.4	975.0	952.0	931.9	914.6
10°	1129.2	1121.5	1115.7	1106.7	1097.2	1081.7	1063.2	1037.8	1008.5	985.4	959.7
12.5°	1201.4	1200.2	1192.7	1183.5	1170.0	1155.3	1132.6	1101.6	1067.6	1034.1	1004.8
15°	1300.0	1302.0	1297.0	1287.5	1268.3	1242.3	1208.0	1195.2	1146.3	1110.0	1073.8
17.5°	1368.2	1367.8	1367.1	1353.8	1334.4	1315.8	1284.0	1250.2	1206.0	1154.9	1106.0
20°	1411.4	1408.2	1408.9	1394.0	1379.5	1358.1	1327.1	1277.9	1241.6	1182.6	1132.1
22.5°	1410.4	1409.7	1412.2	1407.1	1396.6	1380.2	1355.8	1314.3	1268.0	1208.4	1151.7
25°	1339.5	1337.0	1352.5	1356.7	1373.6	1376.5	1369.2	1346.5	1302.6	1241.3	1171.0
27.5°	1121.1	1119.6	1148.4	1184.4	1230.1	1265.6	1299.9	1316.4	1302.6	1258.7	1188.4
30°	920.1	951.1	965.6	1017.7	1075.7	1145.0	1205.7	1263.3	1277.6	1258.4	1200.8
32.5°	763.9	790.9	803.1	847.8	901.9	983.0	1074.0	1155.7	1213.5	1228.1	1193.3
35°	581.1	581.4	609.1	628.9	679.0	762.4	850.8	960.3	1069.1	1151.6	1160.2
37.5°	463.6	465.3	482.1	501.8	539.4	583.5	661.3	752.3	878.0	1004.6	1078.8
40°	400.4	403.3	415.9	435.3	462.4	495.7	556.4	642.0	746.9	887.8	1002.9
42.5°	359.7	364.5	371.0	386.0	402.7	433.9	483.0	549.2	644.5	777.7	910.5
45°	310.0	312.6	317.5	324.5	339.7	361.4	394.4	438.9	518.1	625.3	758.2
47.5°	273.5	272.1	277.2	282.9	293.0	307.8	329.9	366.3	422.8	508.7	621.5
50°	248.7	248.3	251.9	256.2	265.8	276.7	294.8	322.2	367.0	438.2	541.5
52.5°	225.4	226.7	229.3	234.6	241.5	250.3	266.6	286.3	324.9	386.3	472.3
55°	194.6	195.5	199.1	202.2	207.1	216.0	226.3	242.7	269.1	311.9	382.9
57.5°	168.4	168.0	171.5	172.2	177.8	185.0	193.0	205.8	224.9	256.8	304.5
60°	151.0	150.1	153.0	155.3	158.3	164.2	170.8	183.4	198.5	222.0	262.9
62.5°	135.2	134.7	136.9	139.2	141.6	147.1	152.7	162.2	174.3	194.0	226.4
65°	112.1	113.1	114.1	115.1	116.4	119.7	125.0	131.6	139.8	153.7	177.1
67.5°	88.1	89.1	89.5	91.4	94.3	96.3	99.6	105.5	111.2	122.9	136.2
70°	71.2	70.9	71.2	72.2	75.9	79.5	83.8	88.1	91.7	100.0	111.2
72.5°	61.2	60.6	61.5	61.6	63.5	64.4	67.2	71.2	75.9	81.5	89.5
75°	47.5	47.5	47.5	47.5	48.8	49.5	50.5	51.5	53.1	55.7	61.6
77.5°	35.1	35.1	35.6	35.9	36.2	36.6	37.2	38.2	38.7	40.2	42.7
80°	27.7	28.1	27.7	28.1	28.1	28.7	29.0	30.0	30.3	32.0	33.0
82.5°	20.8	20.7	20.8	21.2	21.2	21.9	21.9	22.6	22.7	23.5	24.5
85°	11.2	10.6	11.2	10.8	11.5	10.8	11.2	11.9	11.9	12.2	13.5
87.5°	9.3	9.7	9.1	9.2	9.1	9.3	9.0	8.9	9.2	8.8	8.4
90°	33.2	32.7	32.2	31.8	31.3	30.5	29.5	28.5	27.6	26.6	23.3
92.5°	36.8	36.4	36.2	35.9	35.6	34.6	33.1	31.5	29.9	28.3	25.9
95°	42.1	42.1	42.1	42.1	42.1	41.2	39.5	37.8	36.1	34.4	31.6
97.5°	45.6	45.4	45.1	44.9	44.6	43.5	41.6	39.6	37.6	35.6	53.4
100°	46.5	46.2	46.0	45.7	45.5	44.4	42.4	40.5	38.5	36.5	74.9
102.5°	47.4	46.9	46.5	46.1	45.6	48.5	54.5	60.6	66.7	72.8	114.8
105°	48.7	48.2	47.7	47.3	46.8	68.3	111.8	155.3	198.9	242.5	264.6
107.5°	153.0	185.8	218.6	251.5	284.3	316.7	348.6	380.6	412.4	444.4	440.9
110°	304.4	339.7	374.8	410.0	445.1	466.8	474.9	483.0	491.2	499.3	496.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	522.4	529.8	537.2	544.6	552.1	555.7	555.5	555.4	555.3	555.1	552.4
115°	651.0	650.0	649.0	648.0	647.0	645.3	642.8	640.4	637.9	635.5	633.3
117.5°	723.2	723.0	722.7	722.6	722.4	721.3	719.3	717.4	715.4	713.4	712.3
120°	772.7	772.7	772.7	772.7	772.7	771.8	769.8	767.8	765.9	763.9	763.2
122.5°	821.5	821.3	821.0	820.9	820.7	819.9	818.6	817.2	815.8	814.4	813.5
125°	890.1	889.6	889.2	888.6	888.1	887.6	887.2	886.7	886.1	885.7	884.7
127.5°	956.1	956.6	957.1	957.6	958.0	957.9	957.1	956.3	955.5	954.8	953.6
130°	998.6	999.1	999.6	1000.1	1000.6	1000.3	999.4	998.3	997.4	996.3	995.4
132.5°	1037.6	1038.3	1039.0	1039.7	1040.3	1040.2	1039.2	1038.2	1037.2	1036.2	1035.4
135°	1097.2	1097.9	1098.6	1099.3	1100.1	1100.1	1099.3	1098.6	1097.9	1097.2	1096.1
137.5°	1153.1	1153.7	1154.2	1154.6	1155.1	1154.8	1153.6	1152.4	1151.2	1150.0	1149.5
140°	1186.8	1187.3	1187.7	1188.3	1188.8	1188.5	1187.6	1186.5	1185.6	1184.6	1183.9
142.5°	1217.8	1218.5	1219.2	1219.9	1220.6	1220.6	1219.7	1218.9	1218.1	1217.4	1216.6
145°	1265.4	1265.4	1265.4	1265.4	1265.4	1265.2	1264.6	1264.2	1263.7	1263.2	1262.7
147.5°	1300.8	1302.0	1303.1	1304.2	1305.4	1305.7	1305.2	1304.7	1304.2	1303.7	1303.2
150°	1327.4	1328.2	1328.9	1329.6	1330.3	1330.5	1330.0	1329.5	1329.0	1328.5	1328.0
152.5°	1348.7	1349.8	1350.9	1352.0	1353.2	1353.3	1352.5	1351.5	1350.7	1349.8	1349.4
155°	1378.4	1379.8	1381.3	1382.8	1384.2	1384.4	1383.1	1381.9	1380.7	1379.4	1379.2
157.5°	1403.3	1405.2	1407.2	1409.1	1411.0	1411.3	1409.8	1408.3	1406.8	1405.3	1405.6
160°	1419.3	1421.0	1422.7	1424.4	1426.2	1426.3	1424.9	1423.3	1421.9	1420.4	1420.6
162.5°	1434.3	1435.9	1437.4	1438.9	1440.5	1440.4	1438.7	1437.0	1435.4	1433.7	1433.9
165°	1452.5	1454.2	1456.0	1457.7	1459.4	1459.3	1457.3	1455.3	1453.4	1451.4	1451.6
167.5°	1465.6	1467.6	1469.6	1471.4	1473.4	1473.4	1471.4	1469.6	1467.6	1465.6	1465.6
170°	1473.5	1475.5	1477.5	1479.5	1481.4	1481.4	1479.5	1477.5	1475.5	1473.5	1473.5
172.5°	1478.0	1480.1	1482.3	1484.5	1486.6	1486.8	1484.8	1482.8	1480.8	1478.9	1478.7
175°	1484.6	1486.6	1488.6	1490.6	1492.5	1492.6	1490.9	1489.2	1487.5	1485.7	1485.5
177.5°	1486.6	1488.6	1490.6	1492.5	1494.5	1494.7	1493.1	1491.5	1490.0	1488.4	1488.2
180°	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3
2.5°	795.4	794.6	790.9	786.7	781.2	777.5	774.6	773.0	768.3	762.4	758.5
5°	844.6	834.7	824.1	811.2	799.4	787.2	779.6	770.7	759.8	747.6	739.0
7.5°	897.2	877.8	856.9	835.3	814.0	794.9	778.0	763.5	746.2	728.8	716.4
10°	937.5	909.2	879.9	849.8	822.4	796.8	777.0	757.5	736.8	716.6	701.5
12.5°	974.2	936.9	903.1	866.2	831.2	800.5	772.0	749.1	724.1	702.7	685.4
15°	1020.6	982.4	941.5	885.5	839.0	800.0	765.4	735.4	705.1	678.7	661.9
17.5°	1064.0	1006.5	951.6	904.7	844.4	795.7	753.5	717.6	684.3	656.3	635.6
20°	1082.0	1026.3	966.6	906.9	847.6	793.2	744.0	704.4	669.8	638.1	619.0
22.5°	1092.8	1029.7	966.8	902.7	839.6	783.1	734.5	691.0	653.4	623.4	599.8
25°	1105.4	1030.2	961.0	897.7	833.4	772.0	714.3	668.1	627.6	595.6	570.5
27.5°	1113.7	1025.3	943.4	873.1	807.8	746.7	693.9	644.9	603.7	569.9	543.0
30°	1115.3	1021.3	930.0	853.8	787.5	731.4	675.4	628.5	585.0	549.1	524.0
32.5°	1117.4	1011.6	911.8	830.9	763.0	707.5	656.7	611.9	567.3	531.9	506.4
35°	1108.7	1006.2	884.2	791.2	723.2	669.4	623.6	582.4	538.6	504.2	478.2
37.5°	1071.3	984.7	855.5	746.4	675.4	625.6	588.2	552.3	512.1	475.1	450.6
40°	1033.5	963.6	833.4	719.3	645.1	593.9	560.3	531.0	492.1	457.4	431.0
42.5°	977.3	934.9	812.3	690.8	610.7	561.5	533.1	505.6	471.5	436.3	411.5
45°	874.3	879.9	769.0	645.4	563.3	513.8	487.1	468.0	437.6	408.6	383.2
47.5°	744.9	797.4	718.3	597.0	513.2	466.7	443.4	426.7	406.3	377.8	354.6
50°	660.6	735.4	677.7	564.6	481.8	435.7	412.6	399.1	381.3	358.8	336.7
52.5°	582.7	663.1	628.6	528.4	447.8	405.5	383.0	371.9	357.7	336.7	316.7
55°	475.2	556.6	548.7	473.9	396.7	358.8	341.6	329.2	319.5	303.8	287.9
57.5°	384.4	461.6	465.7	413.2	351.7	314.3	299.5	290.1	283.8	271.9	257.3
60°	327.2	398.0	411.9	372.3	319.5	286.5	272.1	264.5	259.5	249.9	238.8
62.5°	279.7	340.0	355.7	327.2	288.7	257.8	246.5	239.2	235.8	227.6	217.7
65°	214.0	264.2	279.3	263.5	243.4	218.6	209.4	203.1	200.2	195.5	188.3
67.5°	160.9	197.5	214.1	202.9	195.7	180.0	174.2	170.8	168.2	165.1	158.9
70°	129.2	156.4	173.5	170.5	164.5	156.4	152.1	149.7	147.1	144.5	139.1
72.5°	103.9	122.5	138.6	140.2	135.3	133.6	129.8	128.9	127.3	124.2	121.2
75°	69.0	81.8	93.0	97.3	99.3	100.9	99.3	98.9	98.6	96.0	94.3
77.5°	45.2	52.1	59.2	66.5	69.6	71.8	72.3	73.5	72.7	71.3	70.5
80°	34.6	36.2	41.2	47.5	52.4	54.4	55.7	56.4	56.1	55.7	54.4
82.5°	25.1	26.5	28.8	33.2	37.4	40.7	41.5	41.3	42.1	42.3	41.2
85°	13.5	13.9	14.6	15.2	17.5	21.1	22.1	22.7	23.4	23.4	21.4
87.5°	8.3	7.3	7.2	6.7	7.0	6.7	7.8	8.7	9.4	8.9	9.4
90°	20.1	17.0	13.8	10.9	8.5	6.0	3.5	1.1	3.5	6.0	8.5
92.5°	23.5	21.1	18.7	17.8	18.5	19.2	19.9	20.6	19.9	19.2	18.5
95°	28.9	26.2	23.5	27.2	37.3	47.4	57.4	67.5	57.4	47.4	37.3
97.5°	71.1	88.8	106.5	117.6	122.2	126.7	131.2	135.7	131.2	126.7	122.2
100°	113.3	151.7	190.0	206.8	201.8	196.9	192.0	187.1	192.0	196.9	201.8
102.5°	156.7	198.6	240.6	259.8	256.1	252.6	249.1	245.6	249.1	252.6	256.1
105°	286.7	308.8	331.1	340.7	338.0	335.4	332.6	329.9	332.6	335.4	338.0
107.5°	437.4	433.9	430.4	427.6	425.4	423.3	421.1	419.0	421.1	423.3	425.4
110°	493.9	491.2	488.4	486.1	484.1	482.2	480.3	478.3	480.3	482.2	484.1



TEST NUMBER: P332422-935

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	549.7	547.0	544.2	542.0	540.3	538.5	536.7	534.9	536.7	538.5	540.3
115°	631.0	628.8	626.6	624.7	623.3	621.8	620.4	618.9	620.4	621.8	623.3
117.5°	711.2	710.0	708.9	707.4	705.6	703.8	702.0	700.2	702.0	703.8	705.6
120°	762.4	761.6	761.0	759.5	757.2	755.0	752.9	750.6	752.9	755.0	757.2
122.5°	812.5	811.6	810.6	809.3	807.4	805.6	803.8	802.0	803.8	805.6	807.4
125°	883.7	882.7	881.8	880.3	878.3	876.3	874.3	872.4	874.3	876.3	878.3
127.5°	952.4	951.2	950.0	948.5	946.5	944.5	942.5	940.6	942.5	944.5	946.5
130°	994.5	993.4	992.5	991.0	989.0	987.1	985.1	983.1	985.1	987.1	989.0
132.5°	1034.7	1033.9	1033.1	1031.7	1029.8	1027.8	1025.8	1023.8	1025.8	1027.8	1029.8
135°	1095.2	1094.2	1093.2	1092.0	1090.5	1089.0	1087.5	1086.1	1087.5	1089.0	1090.5
137.5°	1149.0	1148.4	1147.9	1146.7	1144.8	1143.0	1141.1	1139.2	1141.1	1143.0	1144.8
140°	1183.1	1182.4	1181.6	1180.5	1179.1	1177.6	1176.1	1174.7	1176.1	1177.6	1179.1
142.5°	1215.9	1215.1	1214.4	1213.3	1211.9	1210.4	1208.8	1207.4	1208.8	1210.4	1211.9
145°	1262.2	1261.7	1261.2	1260.2	1258.4	1256.7	1255.0	1253.3	1255.0	1256.7	1258.4
147.5°	1302.7	1302.3	1301.7	1301.0	1299.8	1298.6	1297.5	1296.4	1297.5	1298.6	1299.8
150°	1327.5	1327.1	1326.5	1325.9	1325.2	1324.5	1323.7	1323.0	1323.7	1324.5	1325.2
152.5°	1349.2	1348.9	1348.6	1348.2	1347.9	1347.6	1347.2	1346.9	1347.2	1347.6	1347.9
155°	1379.0	1378.7	1378.5	1378.5	1379.1	1379.6	1380.1	1380.5	1380.1	1379.6	1379.1
157.5°	1405.8	1406.1	1406.4	1406.4	1406.5	1406.6	1406.6	1406.7	1406.6	1406.6	1406.5
160°	1420.9	1421.2	1421.4	1421.6	1421.9	1422.1	1422.4	1422.6	1422.4	1422.1	1421.9
162.5°	1434.2	1434.4	1434.7	1435.1	1435.7	1436.4	1437.0	1437.7	1437.0	1436.4	1435.7
165°	1451.9	1452.2	1452.4	1452.9	1453.6	1454.3	1455.1	1455.9	1455.1	1454.3	1453.6
167.5°	1465.6	1465.6	1465.6	1466.0	1467.1	1468.0	1469.0	1470.0	1469.0	1468.0	1467.1
170°	1473.5	1473.5	1473.5	1474.0	1475.1	1476.0	1477.0	1478.0	1477.0	1476.0	1475.1
172.5°	1478.5	1478.3	1478.1	1478.6	1479.7	1480.9	1482.1	1483.3	1482.1	1480.9	1479.7
175°	1485.2	1485.0	1484.7	1485.2	1486.4	1487.7	1488.9	1490.1	1488.9	1487.7	1486.4
177.5°	1488.0	1487.8	1487.6	1488.0	1489.0	1490.0	1490.9	1491.9	1490.9	1490.0	1489.0
180°	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3
2.5°	757.2	753.7	751.4	746.1	742.7	739.0	735.3	737.6	737.4	737.1	737.1
5°	731.8	724.2	717.3	708.3	702.7	695.9	690.5	689.9	691.2	686.6	684.0
7.5°	706.6	696.2	686.4	676.6	666.2	657.8	652.6	650.2	646.9	644.0	641.0
10°	688.9	676.7	667.1	655.0	643.8	633.9	627.6	623.3	621.0	618.6	614.4
12.5°	670.7	658.8	646.5	632.7	622.1	610.6	606.0	601.2	596.7	594.1	588.2
15°	644.0	628.5	615.7	601.2	589.4	578.1	571.5	562.0	560.6	557.3	551.4
17.5°	617.3	600.5	582.8	572.0	558.6	547.0	536.9	533.7	524.3	520.7	515.6
20°	596.2	580.7	567.2	553.0	533.6	522.7	514.8	510.5	502.9	498.3	495.0
22.5°	578.1	562.2	546.6	530.1	514.0	501.9	496.0	489.4	485.3	478.8	475.2
25°	552.1	534.9	516.1	498.3	486.7	477.5	468.3	462.4	456.4	453.4	446.9
27.5°	521.9	503.9	486.4	472.9	458.7	449.5	441.2	435.9	428.8	423.8	420.2
30°	505.2	484.1	469.0	456.8	438.6	430.1	423.8	417.2	411.9	406.7	402.9
32.5°	485.9	466.7	452.3	437.2	423.3	414.0	405.8	400.0	395.5	390.5	386.9
35°	455.7	439.6	424.7	409.6	399.3	389.8	380.2	375.3	371.0	366.4	363.1
37.5°	428.4	413.4	399.2	384.9	372.2	364.4	356.7	352.9	347.2	344.1	340.7
40°	411.6	396.7	381.6	367.7	354.5	348.6	341.6	336.0	330.8	328.5	324.9
42.5°	393.1	378.2	365.5	350.5	339.8	331.7	325.3	319.2	315.2	311.9	309.8
45°	365.8	352.5	340.0	325.2	315.0	308.0	300.7	295.2	291.5	289.2	285.6
47.5°	339.1	326.0	313.2	300.3	290.4	282.5	275.3	271.3	266.6	263.7	261.2
50°	319.9	308.0	294.5	282.6	272.8	264.8	258.9	253.9	249.6	246.0	244.4
52.5°	302.2	289.6	277.8	266.8	256.4	247.4	242.0	236.8	233.6	229.4	227.5
55°	273.0	260.9	251.0	240.0	229.9	222.3	215.7	211.0	207.8	203.1	200.5
57.5°	245.6	234.7	222.9	213.5	202.9	196.6	191.1	184.8	180.8	177.2	174.6
60°	227.2	214.6	204.5	195.5	186.3	178.1	173.1	168.2	163.9	160.2	158.0
62.5°	207.9	197.0	187.4	177.6	169.2	162.0	156.3	152.1	148.4	146.0	143.7
65°	178.4	169.9	160.0	152.1	144.1	138.9	134.2	130.6	127.9	126.3	124.3
67.5°	151.3	142.9	134.3	126.5	121.2	117.2	114.2	111.1	109.8	107.6	106.3
70°	133.5	125.0	117.4	111.5	106.2	103.2	101.3	98.9	97.6	95.0	93.7
72.5°	114.3	108.1	102.6	97.7	93.5	90.8	88.3	85.5	83.3	80.5	79.1
75°	90.1	84.5	80.2	76.8	74.2	70.6	67.0	64.0	63.0	62.0	61.6
77.5°	66.6	63.1	60.0	57.3	54.0	51.3	50.5	49.9	49.7	49.2	49.2
80°	52.4	49.2	46.8	43.6	41.6	41.6	41.6	40.9	41.2	41.2	41.2
82.5°	39.0	35.9	34.7	33.5	33.1	33.4	33.4	33.5	33.3	33.8	33.6
85°	20.1	20.4	21.1	20.8	21.1	21.1	21.8	21.4	21.8	21.1	21.8
87.5°	9.6	10.9	11.8	12.7	13.6	14.0	14.5	14.6	15.2	15.3	15.5
90°	10.9	13.8	17.0	20.1	23.3	26.6	27.6	28.5	29.5	30.5	31.3
92.5°	17.8	18.7	21.1	23.5	25.9	28.3	29.9	31.5	33.1	34.6	35.6
95°	27.2	23.5	26.2	28.9	31.6	34.4	36.1	37.8	39.5	41.2	42.1
97.5°	117.6	106.5	88.8	71.1	53.4	35.6	37.6	39.6	41.6	43.5	44.6
100°	206.8	190.0	151.7	113.3	74.9	36.5	38.5	40.5	42.4	44.4	45.5
102.5°	259.8	240.6	198.6	156.7	114.8	72.8	66.7	60.6	54.5	48.5	45.6
105°	340.7	331.1	308.8	286.7	264.6	242.5	198.9	155.3	111.8	68.3	46.8
107.5°	427.6	430.4	433.9	437.4	440.9	444.4	412.4	380.6	348.6	316.7	284.3
110°	486.1	488.4	491.2	493.9	496.6	499.3	491.2	483.0	474.9	466.8	445.1



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	542.0	544.2	547.0	549.7	552.4	555.1	555.3	555.4	555.5	555.7	552.1
115°	624.7	626.6	628.8	631.0	633.3	635.5	637.9	640.4	642.8	645.3	647.0
117.5°	707.4	708.9	710.0	711.2	712.3	713.4	715.4	717.4	719.3	721.3	722.4
120°	759.5	761.0	761.6	762.4	763.2	763.9	765.9	767.8	769.8	771.8	772.7
122.5°	809.3	810.6	811.6	812.5	813.5	814.4	815.8	817.2	818.6	819.9	820.7
125°	880.3	881.8	882.7	883.7	884.7	885.7	886.1	886.7	887.2	887.6	888.1
127.5°	948.5	950.0	951.2	952.4	953.6	954.8	955.5	956.3	957.1	957.9	958.0
130°	991.0	992.5	993.4	994.5	995.4	996.3	997.4	998.3	999.4	1000.3	1000.6
132.5°	1031.7	1033.1	1033.9	1034.7	1035.4	1036.2	1037.2	1038.2	1039.2	1040.2	1040.3
135°	1092.0	1093.2	1094.2	1095.2	1096.1	1097.2	1097.9	1098.6	1099.3	1100.1	1100.1
137.5°	1146.7	1147.9	1148.4	1149.0	1149.5	1150.0	1151.2	1152.4	1153.6	1154.8	1155.1
140°	1180.5	1181.6	1182.4	1183.1	1183.9	1184.6	1185.6	1186.5	1187.6	1188.5	1188.8
142.5°	1213.3	1214.4	1215.1	1215.9	1216.6	1217.4	1218.1	1218.9	1219.7	1220.6	1220.6
145°	1260.2	1261.2	1261.7	1262.2	1262.7	1263.2	1263.7	1264.2	1264.6	1265.2	1265.4
147.5°	1301.0	1301.7	1302.3	1302.7	1303.2	1303.7	1304.2	1304.7	1305.2	1305.7	1305.4
150°	1325.9	1326.5	1327.1	1327.5	1328.0	1328.5	1329.0	1329.5	1330.0	1330.5	1330.3
152.5°	1348.2	1348.6	1348.9	1349.2	1349.4	1349.8	1350.7	1351.5	1352.5	1353.3	1353.2
155°	1378.5	1378.5	1378.7	1379.0	1379.2	1379.4	1380.7	1381.9	1383.1	1384.4	1384.2
157.5°	1406.4	1406.4	1406.1	1405.8	1405.6	1405.3	1406.8	1408.3	1409.8	1411.3	1411.0
160°	1421.6	1421.4	1421.2	1420.9	1420.6	1420.4	1421.9	1423.3	1424.9	1426.3	1426.2
162.5°	1435.1	1434.7	1434.4	1434.2	1433.9	1433.7	1435.4	1437.0	1438.7	1440.4	1440.5
165°	1452.9	1452.4	1452.2	1451.9	1451.6	1451.4	1453.4	1455.3	1457.3	1459.3	1459.4
167.5°	1466.0	1465.6	1465.6	1465.6	1465.6	1465.6	1467.6	1469.6	1471.4	1473.4	1473.4
170°	1474.0	1473.5	1473.5	1473.5	1473.5	1473.5	1475.5	1477.5	1479.5	1481.4	1481.4
172.5°	1478.6	1478.1	1478.3	1478.5	1478.7	1478.9	1480.8	1482.8	1484.8	1486.8	1486.6
175°	1485.2	1484.7	1485.0	1485.2	1485.5	1485.7	1487.5	1489.2	1490.9	1492.6	1492.5
177.5°	1488.0	1487.6	1487.8	1488.0	1488.2	1488.4	1490.0	1491.5	1493.1	1494.7	1494.5
180°	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1



TEST NUMBER: P332422-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3
2.5°	733.9	733.7	733.9	732.9	733.9	733.7	733.9	737.1	737.1	737.4	737.6
5°	682.9	682.6	681.7	678.7	681.7	682.6	682.9	684.0	686.6	691.2	689.9
7.5°	638.4	638.0	635.1	635.2	635.1	638.0	638.4	641.0	644.0	646.9	650.2
10°	612.1	612.4	608.5	606.1	608.5	612.4	612.1	614.4	618.6	621.0	623.3
12.5°	586.5	585.0	581.8	579.2	581.8	585.0	586.5	588.2	594.1	596.7	601.2
15°	552.7	549.4	541.5	542.2	541.5	549.4	552.7	551.4	557.3	560.6	562.0
17.5°	512.9	510.5	510.4	505.8	510.4	510.5	512.9	515.6	520.7	524.3	533.7
20°	489.7	488.1	488.7	484.1	488.7	488.1	489.7	495.0	498.3	502.9	510.5
22.5°	471.5	469.8	467.1	465.6	467.1	469.8	471.5	475.2	478.8	485.3	489.4
25°	444.9	442.2	439.6	441.3	439.6	442.2	444.9	446.9	453.4	456.4	462.4
27.5°	418.2	416.2	413.6	413.3	413.6	416.2	418.2	420.2	423.8	428.8	435.9
30°	401.3	399.3	398.0	396.4	398.0	399.3	401.3	402.9	406.7	411.9	417.2
32.5°	384.2	383.8	381.4	381.1	381.4	383.8	384.2	386.9	390.5	395.5	400.0
35°	361.8	359.8	359.1	359.5	359.1	359.8	361.8	363.1	366.4	371.0	375.3
37.5°	340.4	337.9	336.7	335.4	336.7	337.9	340.4	340.7	344.1	347.2	352.9
40°	325.2	322.5	321.8	321.2	321.8	322.5	325.2	324.9	328.5	330.8	336.0
42.5°	308.0	306.9	306.6	305.4	306.6	306.9	308.0	309.8	311.9	315.2	319.2
45°	284.6	284.3	282.3	282.9	282.3	284.3	284.6	285.6	289.2	291.5	295.2
47.5°	259.9	258.5	257.1	258.0	257.1	258.5	259.9	261.2	263.7	266.6	271.3
50°	243.1	242.4	239.4	240.0	239.4	242.4	243.1	244.4	246.0	249.6	253.9
52.5°	226.2	223.7	222.6	222.1	222.6	223.7	226.2	227.5	229.4	233.6	236.8
55°	198.2	195.2	193.9	193.2	193.9	195.2	198.2	200.5	203.1	207.8	211.0
57.5°	170.7	170.0	168.9	169.6	168.9	170.0	170.7	174.6	177.2	180.8	184.8
60°	154.6	154.6	154.6	154.4	154.6	154.6	154.6	158.0	160.2	163.9	168.2
62.5°	142.2	141.5	141.2	141.6	141.2	141.5	142.2	143.7	146.0	148.4	152.1
65°	123.3	123.0	121.7	121.4	121.7	123.0	123.3	124.3	126.3	127.9	130.6
67.5°	105.5	104.3	103.9	103.4	103.9	104.3	105.5	106.3	107.6	109.8	111.1
70°	92.0	91.4	89.4	89.7	89.4	91.4	92.0	93.7	95.0	97.6	98.9
72.5°	77.5	76.8	76.5	75.9	76.5	76.8	77.5	79.1	80.5	83.3	85.5
75°	61.3	61.0	60.7	62.0	60.7	61.0	61.3	61.6	62.0	63.0	64.0
77.5°	49.2	49.2	49.3	48.8	49.3	49.2	49.2	49.2	49.2	49.7	49.9
80°	41.2	41.2	40.9	40.9	40.9	41.2	41.2	41.2	41.2	41.2	40.9
82.5°	33.1	33.3	33.5	33.0	33.5	33.3	33.1	33.6	33.8	33.3	33.5
85°	21.8	21.4	22.1	21.8	22.1	21.4	21.8	21.8	21.1	21.8	21.4
87.5°	16.1	15.7	15.8	16.1	15.8	15.7	16.1	15.5	15.3	15.2	14.6
90°	31.8	32.2	32.7	33.2	32.7	32.2	31.8	31.3	30.5	29.5	28.5
92.5°	35.9	36.2	36.4	36.8	36.4	36.2	35.9	35.6	34.6	33.1	31.5
95°	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	41.2	39.5	37.8
97.5°	44.9	45.1	45.4	45.6	45.4	45.1	44.9	44.6	43.5	41.6	39.6
100°	45.7	46.0	46.2	46.5	46.2	46.0	45.7	45.5	44.4	42.4	40.5
102.5°	46.1	46.5	46.9	47.4	46.9	46.5	46.1	45.6	48.5	54.5	60.6
105°	47.3	47.7	48.2	48.7	48.2	47.7	47.3	46.8	68.3	111.8	155.3
107.5°	251.5	218.6	185.8	153.0	185.8	218.6	251.5	284.3	316.7	348.6	380.6
110°	410.0	374.8	339.7	304.4	339.7	374.8	410.0	445.1	466.8	474.9	483.0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	544.6	537.2	529.8	522.4	529.8	537.2	544.6	552.1	555.7	555.5	555.4
115°	648.0	649.0	650.0	651.0	650.0	649.0	648.0	647.0	645.3	642.8	640.4
117.5°	722.6	722.7	723.0	723.2	723.0	722.7	722.6	722.4	721.3	719.3	717.4
120°	772.7	772.7	772.7	772.7	772.7	772.7	772.7	772.7	771.8	769.8	767.8
122.5°	820.9	821.0	821.3	821.5	821.3	821.0	820.9	820.7	819.9	818.6	817.2
125°	888.6	889.2	889.6	890.1	889.6	889.2	888.6	888.1	887.6	887.2	886.7
127.5°	957.6	957.1	956.6	956.1	956.6	957.1	957.6	958.0	957.9	957.1	956.3
130°	1000.1	999.6	999.1	998.6	999.1	999.6	1000.1	1000.6	1000.3	999.4	998.3
132.5°	1039.7	1039.0	1038.3	1037.6	1038.3	1039.0	1039.7	1040.3	1040.2	1039.2	1038.2
135°	1099.3	1098.6	1097.9	1097.2	1097.9	1098.6	1099.3	1100.1	1100.1	1099.3	1098.6
137.5°	1154.6	1154.2	1153.7	1153.1	1153.7	1154.2	1154.6	1155.1	1154.8	1153.6	1152.4
140°	1188.3	1187.7	1187.3	1186.8	1187.3	1187.7	1188.3	1188.8	1188.5	1187.6	1186.5
142.5°	1219.9	1219.2	1218.5	1217.8	1218.5	1219.2	1219.9	1220.6	1220.6	1219.7	1218.9
145°	1265.4	1265.4	1265.4	1265.4	1265.4	1265.4	1265.4	1265.4	1265.2	1264.6	1264.2
147.5°	1304.2	1303.1	1302.0	1300.8	1302.0	1303.1	1304.2	1305.4	1305.7	1305.2	1304.7
150°	1329.6	1328.9	1328.2	1327.4	1328.2	1328.9	1329.6	1330.3	1330.5	1330.0	1329.5
152.5°	1352.0	1350.9	1349.8	1348.7	1349.8	1350.9	1352.0	1353.2	1353.3	1352.5	1351.5
155°	1382.8	1381.3	1379.8	1378.4	1379.8	1381.3	1382.8	1384.2	1384.4	1383.1	1381.9
157.5°	1409.1	1407.2	1405.2	1403.3	1405.2	1407.2	1409.1	1411.0	1411.3	1409.8	1408.3
160°	1424.4	1422.7	1421.0	1419.3	1421.0	1422.7	1424.4	1426.2	1426.3	1424.9	1423.3
162.5°	1438.9	1437.4	1435.9	1434.3	1435.9	1437.4	1438.9	1440.5	1440.4	1438.7	1437.0
165°	1457.7	1456.0	1454.2	1452.5	1454.2	1456.0	1457.7	1459.4	1459.3	1457.3	1455.3
167.5°	1471.4	1469.6	1467.6	1465.6	1467.6	1469.6	1471.4	1473.4	1473.4	1471.4	1469.6
170°	1479.5	1477.5	1475.5	1473.5	1475.5	1477.5	1479.5	1481.4	1481.4	1479.5	1477.5
172.5°	1484.5	1482.3	1480.1	1478.0	1480.1	1482.3	1484.5	1486.6	1486.8	1484.8	1482.8
175°	1490.6	1488.6	1486.6	1484.6	1486.6	1488.6	1490.6	1492.5	1492.6	1490.9	1489.2
177.5°	1492.5	1490.6	1488.6	1486.6	1488.6	1490.6	1492.5	1494.5	1494.7	1493.1	1491.5
180°	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3
2.5°	735.3	739.0	742.7	746.1	751.4	753.7	757.2	758.5	762.4	768.3	773.0
5°	690.5	695.9	702.7	708.3	717.3	724.2	731.8	739.0	747.6	759.8	770.7
7.5°	652.6	657.8	666.2	676.6	686.4	696.2	706.6	716.4	728.8	746.2	763.5
10°	627.6	633.9	643.8	655.0	667.1	676.7	688.9	701.5	716.6	736.8	757.5
12.5°	606.0	610.6	622.1	632.7	646.5	658.8	670.7	685.4	702.7	724.1	749.1
15°	571.5	578.1	589.4	601.2	615.7	628.5	644.0	661.9	678.7	705.1	735.4
17.5°	536.9	547.0	558.6	572.0	582.8	600.5	617.3	635.6	656.3	684.3	717.6
20°	514.8	522.7	533.6	553.0	567.2	580.7	596.2	619.0	638.1	669.8	704.4
22.5°	496.0	501.9	514.0	530.1	546.6	562.2	578.1	599.8	623.4	653.4	691.0
25°	468.3	477.5	486.7	498.3	516.1	534.9	552.1	570.5	595.6	627.6	668.1
27.5°	441.2	449.5	458.7	472.9	486.4	503.9	521.9	543.0	569.9	603.7	644.9
30°	423.8	430.1	438.6	456.8	469.0	484.1	505.2	524.0	549.1	585.0	628.5
32.5°	405.8	414.0	423.3	437.2	452.3	466.7	485.9	506.4	531.9	567.3	611.9
35°	380.2	389.8	399.3	409.6	424.7	439.6	455.7	478.2	504.2	538.6	582.4
37.5°	356.7	364.4	372.2	384.9	399.2	413.4	428.4	450.6	475.1	512.1	552.3
40°	341.6	348.6	354.5	367.7	381.6	396.7	411.6	431.0	457.4	492.1	531.0
42.5°	325.3	331.7	339.8	350.5	365.5	378.2	393.1	411.5	436.3	471.5	505.6
45°	300.7	308.0	315.0	325.2	340.0	352.5	365.8	383.2	408.6	437.6	468.0
47.5°	275.3	282.5	290.4	300.3	313.2	326.0	339.1	354.6	377.8	406.3	426.7
50°	258.9	264.8	272.8	282.6	294.5	308.0	319.9	336.7	358.8	381.3	399.1
52.5°	242.0	247.4	256.4	266.8	277.8	289.6	302.2	316.7	336.7	357.7	371.9
55°	215.7	222.3	229.9	240.0	251.0	260.9	273.0	287.9	303.8	319.5	329.2
57.5°	191.1	196.6	202.9	213.5	222.9	234.7	245.6	257.3	271.9	283.8	290.1
60°	173.1	178.1	186.3	195.5	204.5	214.6	227.2	238.8	249.9	259.5	264.5
62.5°	156.3	162.0	169.2	177.6	187.4	197.0	207.9	217.7	227.6	235.8	239.2
65°	134.2	138.9	144.1	152.1	160.0	169.9	178.4	188.3	195.5	200.2	203.1
67.5°	114.2	117.2	121.2	126.5	134.3	142.9	151.3	158.9	165.1	168.2	170.8
70°	101.3	103.2	106.2	111.5	117.4	125.0	133.5	139.1	144.5	147.1	149.7
72.5°	88.3	90.8	93.5	97.7	102.6	108.1	114.3	121.2	124.2	127.3	128.9
75°	67.0	70.6	74.2	76.8	80.2	84.5	90.1	94.3	96.0	98.6	98.9
77.5°	50.5	51.3	54.0	57.3	60.0	63.1	66.6	70.5	71.3	72.7	73.5
80°	41.6	41.6	41.6	43.6	46.8	49.2	52.4	54.4	55.7	56.1	56.4
82.5°	33.4	33.4	33.1	33.5	34.7	35.9	39.0	41.2	42.3	42.1	41.3
85°	21.8	21.1	21.1	20.8	21.1	20.4	20.1	21.4	23.4	23.4	22.7
87.5°	14.5	14.0	13.6	12.7	11.8	10.9	9.6	9.4	8.9	9.4	8.7
90°	27.6	26.6	23.3	20.1	17.0	13.8	10.9	8.5	6.0	3.5	1.1
92.5°	29.9	28.3	25.9	23.5	21.1	18.7	17.8	18.5	19.2	19.9	20.6
95°	36.1	34.4	31.6	28.9	26.2	23.5	27.2	37.3	47.4	57.4	67.5
97.5°	37.6	35.6	53.4	71.1	88.8	106.5	117.6	122.2	126.7	131.2	135.7
100°	38.5	36.5	74.9	113.3	151.7	190.0	206.8	201.8	196.9	192.0	187.1
102.5°	66.7	72.8	114.8	156.7	198.6	240.6	259.8	256.1	252.6	249.1	245.6
105°	198.9	242.5	264.6	286.7	308.8	331.1	340.7	338.0	335.4	332.6	329.9
107.5°	412.4	444.4	440.9	437.4	433.9	430.4	427.6	425.4	423.3	421.1	419.0
110°	491.2	499.3	496.6	493.9	491.2	488.4	486.1	484.1	482.2	480.3	478.3



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	555.3	555.1	552.4	549.7	547.0	544.2	542.0	540.3	538.5	536.7	534.9
115°	637.9	635.5	633.3	631.0	628.8	626.6	624.7	623.3	621.8	620.4	618.9
117.5°	715.4	713.4	712.3	711.2	710.0	708.9	707.4	705.6	703.8	702.0	700.2
120°	765.9	763.9	763.2	762.4	761.6	761.0	759.5	757.2	755.0	752.9	750.6
122.5°	815.8	814.4	813.5	812.5	811.6	810.6	809.3	807.4	805.6	803.8	802.0
125°	886.1	885.7	884.7	883.7	882.7	881.8	880.3	878.3	876.3	874.3	872.4
127.5°	955.5	954.8	953.6	952.4	951.2	950.0	948.5	946.5	944.5	942.5	940.6
130°	997.4	996.3	995.4	994.5	993.4	992.5	991.0	989.0	987.1	985.1	983.1
132.5°	1037.2	1036.2	1035.4	1034.7	1033.9	1033.1	1031.7	1029.8	1027.8	1025.8	1023.8
135°	1097.9	1097.2	1096.1	1095.2	1094.2	1093.2	1092.0	1090.5	1089.0	1087.5	1086.1
137.5°	1151.2	1150.0	1149.5	1149.0	1148.4	1147.9	1146.7	1144.8	1143.0	1141.1	1139.2
140°	1185.6	1184.6	1183.9	1183.1	1182.4	1181.6	1180.5	1179.1	1177.6	1176.1	1174.7
142.5°	1218.1	1217.4	1216.6	1215.9	1215.1	1214.4	1213.3	1211.9	1210.4	1208.8	1207.4
145°	1263.7	1263.2	1262.7	1262.2	1261.7	1261.2	1260.2	1258.4	1256.7	1255.0	1253.3
147.5°	1304.2	1303.7	1303.2	1302.7	1302.3	1301.7	1301.0	1299.8	1298.6	1297.5	1296.4
150°	1329.0	1328.5	1328.0	1327.5	1327.1	1326.5	1325.9	1325.2	1324.5	1323.7	1323.0
152.5°	1350.7	1349.8	1349.4	1349.2	1348.9	1348.6	1348.2	1347.9	1347.6	1347.2	1346.9
155°	1380.7	1379.4	1379.2	1379.0	1378.7	1378.5	1378.5	1379.1	1379.6	1380.1	1380.5
157.5°	1406.8	1405.3	1405.6	1405.8	1406.1	1406.4	1406.4	1406.5	1406.6	1406.6	1406.7
160°	1421.9	1420.4	1420.6	1420.9	1421.2	1421.4	1421.6	1421.9	1422.1	1422.4	1422.6
162.5°	1435.4	1433.7	1433.9	1434.2	1434.4	1434.7	1435.1	1435.7	1436.4	1437.0	1437.7
165°	1453.4	1451.4	1451.6	1451.9	1452.2	1452.4	1452.9	1453.6	1454.3	1455.1	1455.9
167.5°	1467.6	1465.6	1465.6	1465.6	1465.6	1465.6	1466.0	1467.1	1468.0	1469.0	1470.0
170°	1475.5	1473.5	1473.5	1473.5	1473.5	1473.5	1474.0	1475.1	1476.0	1477.0	1478.0
172.5°	1480.8	1478.9	1478.7	1478.5	1478.3	1478.1	1478.6	1479.7	1480.9	1482.1	1483.3
175°	1487.5	1485.7	1485.5	1485.2	1485.0	1484.7	1485.2	1486.4	1487.7	1488.9	1490.1
177.5°	1490.0	1488.4	1488.2	1488.0	1487.8	1487.6	1488.0	1489.0	1490.0	1490.9	1491.9
180°	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3
2.5°	774.6	777.5	781.2	786.7	790.9	794.6	795.4	796.5	799.1	803.6	807.0
5°	779.6	787.2	799.4	811.2	824.1	834.7	844.6	851.5	858.1	871.9	883.1
7.5°	778.0	794.9	814.0	835.3	856.9	877.8	897.2	914.6	931.9	952.0	975.0
10°	777.0	796.8	822.4	849.8	879.9	909.2	937.5	959.7	985.4	1008.5	1037.8
12.5°	772.0	800.5	831.2	866.2	903.1	936.9	974.2	1004.8	1034.1	1067.6	1101.6
15°	765.4	800.0	839.0	885.5	941.5	982.4	1020.6	1073.8	1110.0	1146.3	1195.2
17.5°	753.5	795.7	844.4	904.7	951.6	1006.5	1064.0	1106.0	1154.9	1206.0	1250.2
20°	744.0	793.2	847.6	906.9	966.6	1026.3	1082.0	1132.1	1182.6	1241.6	1277.9
22.5°	734.5	783.1	839.6	902.7	966.8	1029.7	1092.8	1151.7	1208.4	1268.0	1314.3
25°	714.3	772.0	833.4	897.7	961.0	1030.2	1105.4	1171.0	1241.3	1302.6	1346.5
27.5°	693.9	746.7	807.8	873.1	943.4	1025.3	1113.7	1188.4	1258.7	1302.6	1316.4
30°	675.4	731.4	787.5	853.8	930.0	1021.3	1115.3	1200.8	1258.4	1277.6	1263.3
32.5°	656.7	707.5	763.0	830.9	911.8	1011.6	1117.4	1193.3	1228.1	1213.5	1155.7
35°	623.6	669.4	723.2	791.2	884.2	1006.2	1108.7	1160.2	1151.6	1069.1	960.3
37.5°	588.2	625.6	675.4	746.4	855.5	984.7	1071.3	1078.8	1004.6	878.0	752.3
40°	560.3	593.9	645.1	719.3	833.4	963.6	1033.5	1002.9	887.8	746.9	642.0
42.5°	533.1	561.5	610.7	690.8	812.3	934.9	977.3	910.5	777.7	644.5	549.2
45°	487.1	513.8	563.3	645.4	769.0	879.9	874.3	758.2	625.3	518.1	438.9
47.5°	443.4	466.7	513.2	597.0	718.3	797.4	744.9	621.5	508.7	422.8	366.3
50°	412.6	435.7	481.8	564.6	677.7	735.4	660.6	541.5	438.2	367.0	322.2
52.5°	383.0	405.5	447.8	528.4	628.6	663.1	582.7	472.3	386.3	324.9	286.3
55°	341.6	358.8	396.7	473.9	548.7	556.6	475.2	382.9	311.9	269.1	242.7
57.5°	299.5	314.3	351.7	413.2	465.7	461.6	384.4	304.5	256.8	224.9	205.8
60°	272.1	286.5	319.5	372.3	411.9	398.0	327.2	262.9	222.0	198.5	183.4
62.5°	246.5	257.8	288.7	327.2	355.7	340.0	279.7	226.4	194.0	174.3	162.2
65°	209.4	218.6	243.4	263.5	279.3	264.2	214.0	177.1	153.7	139.8	131.6
67.5°	174.2	180.0	195.7	202.9	214.1	197.5	160.9	136.2	122.9	111.2	105.5
70°	152.1	156.4	164.5	170.5	173.5	156.4	129.2	111.2	100.0	91.7	88.1
72.5°	129.8	133.6	135.3	140.2	138.6	122.5	103.9	89.5	81.5	75.9	71.2
75°	99.3	100.9	99.3	97.3	93.0	81.8	69.0	61.6	55.7	53.1	51.5
77.5°	72.3	71.8	69.6	66.5	59.2	52.1	45.2	42.7	40.2	38.7	38.2
80°	55.7	54.4	52.4	47.5	41.2	36.2	34.6	33.0	32.0	30.3	30.0
82.5°	41.5	40.7	37.4	33.2	28.8	26.5	25.1	24.5	23.5	22.7	22.6
85°	22.1	21.1	17.5	15.2	14.6	13.9	13.5	13.5	12.2	11.9	11.9
87.5°	7.8	6.7	7.0	6.7	7.2	7.3	8.3	8.4	8.8	9.2	8.9
90°	3.5	6.0	8.5	10.9	13.8	17.0	20.1	23.3	26.6	27.6	28.5
92.5°	19.9	19.2	18.5	17.8	18.7	21.1	23.5	25.9	28.3	29.9	31.5
95°	57.4	47.4	37.3	27.2	23.5	26.2	28.9	31.6	34.4	36.1	37.8
97.5°	131.2	126.7	122.2	117.6	106.5	88.8	71.1	53.4	35.6	37.6	39.6
100°	192.0	196.9	201.8	206.8	190.0	151.7	113.3	74.9	36.5	38.5	40.5
102.5°	249.1	252.6	256.1	259.8	240.6	198.6	156.7	114.8	72.8	66.7	60.6
105°	332.6	335.4	338.0	340.7	331.1	308.8	286.7	264.6	242.5	198.9	155.3
107.5°	421.1	423.3	425.4	427.6	430.4	433.9	437.4	440.9	444.4	412.4	380.6
110°	480.3	482.2	484.1	486.1	488.4	491.2	493.9	496.6	499.3	491.2	483.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	536.7	538.5	540.3	542.0	544.2	547.0	549.7	552.4	555.1	555.3	555.4
115°	620.4	621.8	623.3	624.7	626.6	628.8	631.0	633.3	635.5	637.9	640.4
117.5°	702.0	703.8	705.6	707.4	708.9	710.0	711.2	712.3	713.4	715.4	717.4
120°	752.9	755.0	757.2	759.5	761.0	761.6	762.4	763.2	763.9	765.9	767.8
122.5°	803.8	805.6	807.4	809.3	810.6	811.6	812.5	813.5	814.4	815.8	817.2
125°	874.3	876.3	878.3	880.3	881.8	882.7	883.7	884.7	885.7	886.1	886.7
127.5°	942.5	944.5	946.5	948.5	950.0	951.2	952.4	953.6	954.8	955.5	956.3
130°	985.1	987.1	989.0	991.0	992.5	993.4	994.5	995.4	996.3	997.4	998.3
132.5°	1025.8	1027.8	1029.8	1031.7	1033.1	1033.9	1034.7	1035.4	1036.2	1037.2	1038.2
135°	1087.5	1089.0	1090.5	1092.0	1093.2	1094.2	1095.2	1096.1	1097.2	1097.9	1098.6
137.5°	1141.1	1143.0	1144.8	1146.7	1147.9	1148.4	1149.0	1149.5	1150.0	1151.2	1152.4
140°	1176.1	1177.6	1179.1	1180.5	1181.6	1182.4	1183.1	1183.9	1184.6	1185.6	1186.5
142.5°	1208.8	1210.4	1211.9	1213.3	1214.4	1215.1	1215.9	1216.6	1217.4	1218.1	1218.9
145°	1255.0	1256.7	1258.4	1260.2	1261.2	1261.7	1262.2	1262.7	1263.2	1263.7	1264.2
147.5°	1297.5	1298.6	1299.8	1301.0	1301.7	1302.3	1302.7	1303.2	1303.7	1304.2	1304.7
150°	1323.7	1324.5	1325.2	1325.9	1326.5	1327.1	1327.5	1328.0	1328.5	1329.0	1329.5
152.5°	1347.2	1347.6	1347.9	1348.2	1348.6	1348.9	1349.2	1349.4	1349.8	1350.7	1351.5
155°	1380.1	1379.6	1379.1	1378.5	1378.5	1378.7	1379.0	1379.2	1379.4	1380.7	1381.9
157.5°	1406.6	1406.6	1406.5	1406.4	1406.4	1406.1	1405.8	1405.6	1405.3	1406.8	1408.3
160°	1422.4	1422.1	1421.9	1421.6	1421.4	1421.2	1420.9	1420.6	1420.4	1421.9	1423.3
162.5°	1437.0	1436.4	1435.7	1435.1	1434.7	1434.4	1434.2	1433.9	1433.7	1435.4	1437.0
165°	1455.1	1454.3	1453.6	1452.9	1452.4	1452.2	1451.9	1451.6	1451.4	1453.4	1455.3
167.5°	1469.0	1468.0	1467.1	1466.0	1465.6	1465.6	1465.6	1465.6	1465.6	1467.6	1469.6
170°	1477.0	1476.0	1475.1	1474.0	1473.5	1473.5	1473.5	1473.5	1473.5	1475.5	1477.5
172.5°	1482.1	1480.9	1479.7	1478.6	1478.1	1478.3	1478.5	1478.7	1478.9	1480.8	1482.8
175°	1488.9	1487.7	1486.4	1485.2	1484.7	1485.0	1485.2	1485.5	1485.7	1487.5	1489.2
177.5°	1490.9	1490.0	1489.0	1488.0	1487.6	1487.8	1488.0	1488.2	1488.4	1490.0	1491.5
180°	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	770.3	770.3	770.3	770.3	770.3	770.3	770.3
2.5°	812.6	812.6	813.6	817.6	818.1	821.6	820.4
5°	893.0	899.3	901.6	911.5	917.5	920.1	914.8
7.5°	991.4	1009.1	1017.5	1027.9	1037.0	1039.8	1032.6
10°	1063.2	1081.7	1097.2	1106.7	1115.7	1121.5	1129.2
12.5°	1132.6	1155.3	1170.0	1183.5	1192.7	1200.2	1201.4
15°	1208.0	1242.3	1268.3	1287.5	1297.0	1302.0	1300.0
17.5°	1284.0	1315.8	1334.4	1353.8	1367.1	1367.8	1368.2
20°	1327.1	1358.1	1379.5	1394.0	1408.9	1408.2	1411.4
22.5°	1355.8	1380.2	1396.6	1407.1	1412.2	1409.7	1410.4
25°	1369.2	1376.5	1373.6	1356.7	1352.5	1337.0	1339.5
27.5°	1299.9	1265.6	1230.1	1184.4	1148.4	1119.6	1121.1
30°	1205.7	1145.0	1075.7	1017.7	965.6	951.1	920.1
32.5°	1074.0	983.0	901.9	847.8	803.1	790.9	763.9
35°	850.8	762.4	679.0	628.9	609.1	581.4	581.1
37.5°	661.3	583.5	539.4	501.8	482.1	465.3	463.6
40°	556.4	495.7	462.4	435.3	415.9	403.3	400.4
42.5°	483.0	433.9	402.7	386.0	371.0	364.5	359.7
45°	394.4	361.4	339.7	324.5	317.5	312.6	310.0
47.5°	329.9	307.8	293.0	282.9	277.2	272.1	273.5
50°	294.8	276.7	265.8	256.2	251.9	248.3	248.7
52.5°	266.6	250.3	241.5	234.6	229.3	226.7	225.4
55°	226.3	216.0	207.1	202.2	199.1	195.5	194.6
57.5°	193.0	185.0	177.8	172.2	171.5	168.0	168.4
60°	170.8	164.2	158.3	155.3	153.0	150.1	151.0
62.5°	152.7	147.1	141.6	139.2	136.9	134.7	135.2
65°	125.0	119.7	116.4	115.1	114.1	113.1	112.1
67.5°	99.6	96.3	94.3	91.4	89.5	89.1	88.1
70°	83.8	79.5	75.9	72.2	71.2	70.9	71.2
72.5°	67.2	64.4	63.5	61.6	61.5	60.6	61.2
75°	50.5	49.5	48.8	47.5	47.5	47.5	47.5
77.5°	37.2	36.6	36.2	35.9	35.6	35.1	35.1
80°	29.0	28.7	28.1	28.1	27.7	28.1	27.7
82.5°	21.9	21.9	21.2	21.2	20.8	20.7	20.8
85°	11.2	10.8	11.5	10.8	11.2	10.6	11.2
87.5°	9.0	9.3	9.1	9.2	9.1	9.7	9.3
90°	29.5	30.5	31.3	31.8	32.2	32.7	33.2
92.5°	33.1	34.6	35.6	35.9	36.2	36.4	36.8
95°	39.5	41.2	42.1	42.1	42.1	42.1	42.1
97.5°	41.6	43.5	44.6	44.9	45.1	45.4	45.6
100°	42.4	44.4	45.5	45.7	46.0	46.2	46.5
102.5°	54.5	48.5	45.6	46.1	46.5	46.9	47.4
105°	111.8	68.3	46.8	47.3	47.7	48.2	48.7
107.5°	348.6	316.7	284.3	251.5	218.6	185.8	153.0
110°	474.9	466.8	445.1	410.0	374.8	339.7	304.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	555.5	555.7	552.1	544.6	537.2	529.8	522.4
115°	642.8	645.3	647.0	648.0	649.0	650.0	651.0
117.5°	719.3	721.3	722.4	722.6	722.7	723.0	723.2
120°	769.8	771.8	772.7	772.7	772.7	772.7	772.7
122.5°	818.6	819.9	820.7	820.9	821.0	821.3	821.5
125°	887.2	887.6	888.1	888.6	889.2	889.6	890.1
127.5°	957.1	957.9	958.0	957.6	957.1	956.6	956.1
130°	999.4	1000.3	1000.6	1000.1	999.6	999.1	998.6
132.5°	1039.2	1040.2	1040.3	1039.7	1039.0	1038.3	1037.6
135°	1099.3	1100.1	1100.1	1099.3	1098.6	1097.9	1097.2
137.5°	1153.6	1154.8	1155.1	1154.6	1154.2	1153.7	1153.1
140°	1187.6	1188.5	1188.8	1188.3	1187.7	1187.3	1186.8
142.5°	1219.7	1220.6	1220.6	1219.9	1219.2	1218.5	1217.8
145°	1264.6	1265.2	1265.4	1265.4	1265.4	1265.4	1265.4
147.5°	1305.2	1305.7	1305.4	1304.2	1303.1	1302.0	1300.8
150°	1330.0	1330.5	1330.3	1329.6	1328.9	1328.2	1327.4
152.5°	1352.5	1353.3	1353.2	1352.0	1350.9	1349.8	1348.7
155°	1383.1	1384.4	1384.2	1382.8	1381.3	1379.8	1378.4
157.5°	1409.8	1411.3	1411.0	1409.1	1407.2	1405.2	1403.3
160°	1424.9	1426.3	1426.2	1424.4	1422.7	1421.0	1419.3
162.5°	1438.7	1440.4	1440.5	1438.9	1437.4	1435.9	1434.3
165°	1457.3	1459.3	1459.4	1457.7	1456.0	1454.2	1452.5
167.5°	1471.4	1473.4	1473.4	1471.4	1469.6	1467.6	1465.6
170°	1479.5	1481.4	1481.4	1479.5	1477.5	1475.5	1473.5
172.5°	1484.8	1486.8	1486.6	1484.5	1482.3	1480.1	1478.0
175°	1490.9	1492.6	1492.5	1490.6	1488.6	1486.6	1484.6
177.5°	1493.1	1494.7	1494.5	1492.5	1490.6	1488.6	1486.6
180°	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1	1490.1

(END OF REPORT)