

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: P333677-927

Luminaire Tested: **S125RDIW-S610D1560U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333677-927
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-S610D1560U927-4F0-1E-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: 6186.6 lumens
Efficiency: N/A
Efficacy: 102.1 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

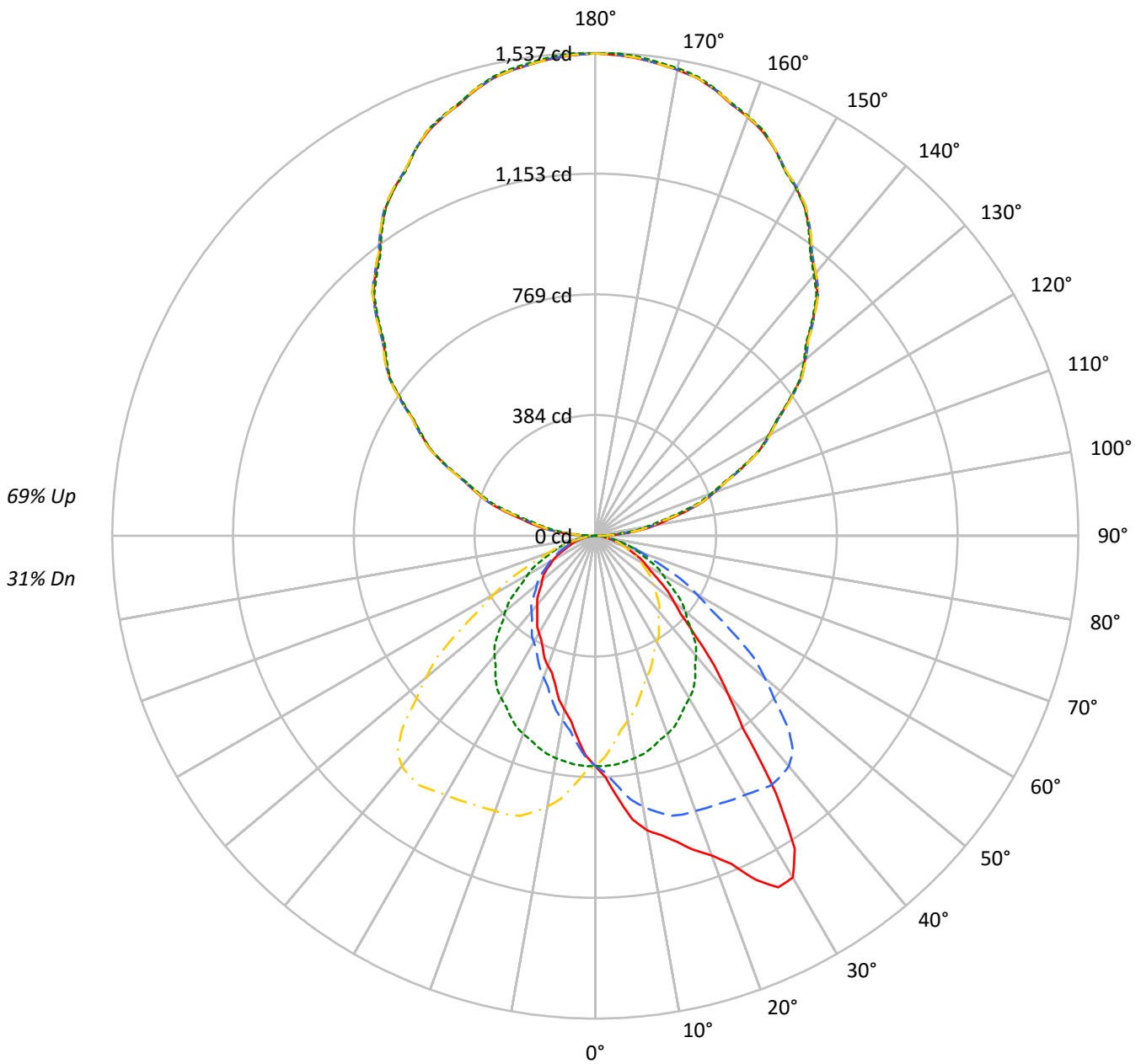
Input Watts (W): 60.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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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	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°	4735	4735	4735	4735
5°	5447	4741	4187	4741
10°	6248	4716	3694	4716
15°	6748	4668	3284	4668
20°	7442	4612	3032	4612
25°	8612	4538	2813	4538
30°	9371	4459	2671	4459
35°	7905	4368	2539	4368
40°	5520	4204	2426	4204
45°	4095	3982	2314	3982
50°	3265	3752	2219	3752
55°	2771	3466	2135	3466
60°	2395	3211	1998	3211
65°	2135	2934	1721	2934
70°	1875	2689	1567	2689
75°	1622	2328	1472	2328
80°	1231	1960	1231	1960
85°	1030	1541	1163	1541



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.3	1.1
10°-20°	206.0	3.3
20°-30°	326.6	5.3
30°-40°	393.9	6.4
40°-50°	351.8	5.7
50°-60°	269.8	4.4
60°-70°	175.3	2.8
70°-80°	85.2	1.4
80°-90°	23.7	0.4
90°-100°	102.8	1.7
100°-110°	303.6	4.9
110°-120°	514.3	8.3
120°-130°	676.9	10.9
130°-140°	758.4	12.3
140°-150°	743.3	12.0
150°-160°	624.3	10.1
160°-170°	415.0	6.7
170°-180°	145.2	2.3
0°-30°	602.9	9.7
0°-40°	996.8	16.1
0°-60°	1618.4	26.2
0°-90°	1902.6	30.8
90°-120°	920.8	14.9
90°-150°	3099.4	50.1
90°-180°	4284.0	69.2
0°-180°	6186.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	733	733	733	733	733	
5°	840	731	646	731	840	84
15°	1009	698	491	698	1009	289
25°	1209	637	395	637	1209	555
35°	1003	554	322	554	1003	606
45°	448	436	253	436	448	358
55°	246	308	190	308	246	223
65°	140	192	113	192	140	139
75°	65	93	59	93	65	69
85°	14	21	16	21	14	17
90°	29	1	29	1	29	17
95°	103	78	103	78	103	105
105°	296	272	296	272	296	314
115°	520	515	520	515	520	514
125°	756	752	756	752	756	675
135°	981	977	981	977	981	757
145°	1189	1184	1189	1184	1189	742
155°	1355	1355	1355	1355	1355	623
165°	1470	1473	1470	1473	1470	414
175°	1526	1532	1526	1532	1526	145
180°	1535	1535	1535	1535	1535	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	771.1	770.6	771.6	768.9	769.2	765.1	765.1	761.9	757.9	754.7	753.3
5°	840.2	840.8	839.6	835.0	832.0	827.5	822.4	813.4	805.9	798.7	793.0
7.5°	911.3	911.7	907.8	906.4	898.8	893.3	881.9	869.7	858.7	844.9	834.3
10°	952.8	952.4	948.2	944.9	938.3	929.9	918.7	904.3	890.7	875.7	861.3
12.5°	976.8	976.0	974.7	970.7	964.6	957.0	947.6	933.4	916.7	900.2	883.4
15°	1009.3	1007.2	1003.3	998.1	989.4	980.7	970.2	957.6	941.6	923.0	907.3
17.5°	1049.5	1049.6	1043.5	1036.5	1024.6	1009.2	992.9	972.6	950.9	930.3	913.7
20°	1082.8	1081.8	1075.8	1062.0	1048.5	1029.2	1010.5	985.6	959.1	932.2	911.5
22.5°	1130.4	1128.1	1121.8	1103.6	1082.6	1057.8	1029.3	998.8	966.8	936.4	909.1
25°	1208.6	1206.7	1194.4	1173.3	1143.8	1105.6	1068.3	1026.4	980.4	940.4	907.3
27.5°	1261.9	1260.0	1250.9	1233.3	1206.1	1165.9	1115.4	1059.5	1002.0	947.0	899.2
30°	1256.6	1261.2	1260.0	1251.9	1231.4	1195.2	1148.7	1085.8	1017.4	952.8	895.9
32.5°	1181.1	1185.1	1195.7	1211.6	1212.8	1198.4	1163.6	1105.5	1034.7	961.2	893.2
35°	1002.7	1008.1	1028.6	1060.7	1102.9	1138.1	1145.3	1114.0	1050.5	971.4	889.2
37.5°	770.9	800.5	817.7	851.6	915.2	980.0	1042.3	1065.2	1038.2	967.2	882.8
40°	654.8	662.0	692.8	730.9	784.5	851.9	940.7	1004.8	1006.9	957.6	872.7
42.5°	560.5	569.6	590.7	621.2	667.0	734.4	826.1	910.7	949.8	931.1	859.4
45°	448.4	455.3	470.6	494.1	529.3	585.0	663.8	761.7	839.3	869.7	823.9
47.5°	368.4	372.1	385.4	403.3	429.4	469.9	530.9	615.8	709.0	774.3	767.9
50°	325.0	329.2	339.5	353.0	374.9	409.2	458.0	528.7	624.7	704.5	720.4
52.5°	291.3	294.8	301.2	314.0	332.1	358.5	397.8	461.8	548.2	633.0	669.9
55°	246.1	248.6	253.7	260.9	275.4	294.3	328.3	372.6	442.4	527.8	582.0
57.5°	209.0	210.2	213.4	220.1	230.0	243.9	268.5	306.0	356.1	433.0	492.8
60°	185.4	186.6	190.8	195.3	203.1	215.8	235.0	261.2	309.3	372.9	433.3
62.5°	166.6	167.3	169.1	173.6	180.5	190.3	205.4	226.8	265.1	320.8	378.0
65°	139.7	139.9	140.5	144.2	148.4	155.6	165.5	180.5	209.5	251.6	302.1
67.5°	113.8	114.2	116.3	117.6	121.9	125.7	131.6	143.1	163.4	191.8	231.1
70°	99.3	99.0	101.1	102.6	104.1	108.6	112.6	121.8	134.5	156.2	189.0
72.5°	85.8	85.1	86.0	86.5	88.5	91.6	95.5	101.2	110.9	125.9	150.9
75°	65.0	65.3	65.3	65.9	67.4	68.6	69.8	72.8	78.3	88.2	101.7
77.5°	45.6	45.2	46.4	46.6	47.5	48.8	49.8	51.0	53.2	57.4	64.3
80°	33.1	33.1	33.4	34.3	34.0	34.6	36.1	37.3	40.0	42.5	44.8
82.5°	25.4	25.2	25.4	25.7	25.6	26.1	26.7	26.9	28.0	29.2	30.9
85°	13.9	13.9	14.2	14.2	14.4	14.4	14.7	14.7	14.7	15.1	15.4
87.5°	11.0	10.6	10.2	10.1	10.1	10.5	9.9	9.4	9.1	8.9	8.7
90°	28.7	27.9	27.1	26.3	25.5	24.4	23.1	21.8	20.4	19.1	17.3
92.5°	56.4	55.8	55.2	54.7	54.0	52.9	51.1	49.4	47.6	45.9	43.6
95°	102.7	102.2	101.7	101.2	100.6	99.4	97.6	95.7	93.9	92.0	89.4
97.5°	155.8	155.5	155.2	154.9	154.6	153.4	151.7	150.0	148.2	146.5	142.8
100°	195.9	195.4	194.9	194.3	193.8	192.3	190.0	187.6	185.2	182.8	179.4
102.5°	236.1	235.4	234.6	233.9	233.1	231.4	228.9	226.2	223.6	221.0	219.3
105°	296.3	295.5	294.7	293.9	293.1	291.9	290.3	288.8	287.2	285.6	283.9
107.5°	357.9	358.0	358.1	358.1	358.1	357.7	357.0	356.2	355.4	354.6	353.4
110°	403.9	404.1	404.3	404.6	404.9	404.6	403.9	403.1	402.2	401.4	400.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	448.8	449.2	449.7	450.2	450.7	450.7	450.4	450.0	449.6	449.2	448.2
115°	519.8	520.0	520.2	520.5	520.8	521.0	521.3	521.6	521.8	522.1	521.6
117.5°	589.0	590.1	591.1	592.2	593.3	593.7	593.5	593.3	593.0	592.9	592.3
120°	636.8	637.9	638.9	640.0	641.0	641.6	641.6	641.6	641.6	641.6	641.3
122.5°	684.6	685.4	686.3	687.1	688.0	688.5	688.7	689.0	689.1	689.4	688.6
125°	756.3	756.5	756.8	757.1	757.3	757.7	758.3	758.8	759.3	759.9	759.6
127.5°	825.1	825.6	826.2	826.6	827.2	827.6	827.9	828.1	828.4	828.7	828.4
130°	871.0	871.5	872.0	872.6	873.1	873.5	873.8	874.0	874.3	874.6	874.0
132.5°	913.9	914.7	915.4	916.2	917.0	917.4	917.7	918.0	918.2	918.5	918.6
135°	980.9	981.9	983.0	984.0	985.2	985.6	985.6	985.6	985.6	985.6	985.4
137.5°	1046.3	1047.7	1049.0	1050.4	1051.7	1052.2	1051.9	1051.5	1051.2	1050.9	1050.3
140°	1088.4	1089.7	1091.1	1092.4	1093.7	1094.1	1093.6	1093.1	1092.5	1092.0	1091.2
142.5°	1128.5	1129.9	1131.2	1132.5	1133.9	1134.4	1134.0	1133.7	1133.4	1133.1	1132.1
145°	1188.7	1189.5	1190.3	1191.1	1191.9	1192.3	1192.3	1192.3	1192.3	1192.3	1191.5
147.5°	1240.2	1242.0	1243.7	1245.5	1247.4	1247.9	1247.3	1246.7	1246.0	1245.4	1244.8
150°	1278.3	1278.9	1279.5	1279.9	1280.5	1280.8	1280.8	1280.8	1280.8	1280.8	1279.7
152.5°	1310.0	1310.9	1311.9	1312.8	1313.8	1313.9	1313.3	1312.6	1312.0	1311.4	1310.9
155°	1354.9	1356.1	1357.5	1358.8	1360.2	1360.3	1359.2	1358.1	1357.1	1356.1	1355.7
157.5°	1392.3	1394.1	1395.8	1397.6	1399.4	1399.7	1398.7	1397.6	1396.5	1395.4	1395.2
160°	1418.2	1419.5	1420.8	1422.1	1423.5	1423.6	1422.5	1421.5	1420.4	1419.4	1419.1
162.5°	1440.1	1441.7	1443.2	1444.8	1446.3	1446.4	1445.2	1443.9	1442.6	1441.3	1441.3
165°	1469.5	1471.2	1472.7	1474.3	1475.9	1476.2	1475.1	1474.0	1473.0	1472.0	1471.6
167.5°	1492.9	1494.6	1496.3	1497.9	1499.5	1499.5	1497.9	1496.4	1494.8	1493.2	1493.2
170°	1505.4	1507.2	1509.1	1510.9	1512.8	1512.9	1511.3	1509.7	1508.2	1506.6	1506.6
172.5°	1515.9	1517.5	1519.2	1520.8	1522.5	1522.5	1520.9	1519.3	1517.7	1516.2	1516.2
175°	1525.7	1527.6	1529.4	1531.3	1533.1	1533.3	1531.7	1530.1	1528.4	1526.9	1526.9
177.5°	1531.4	1532.9	1534.4	1535.9	1537.4	1537.5	1536.2	1534.9	1533.7	1532.4	1532.6
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	753.3	751.6	748.5	745.6	742.0	738.9	736.7	734.0	730.6	726.6	723.2
5°	786.6	780.0	771.3	763.7	754.2	746.6	738.8	731.3	723.7	714.1	705.7
7.5°	823.6	809.9	796.6	779.9	764.7	751.1	738.2	725.0	712.1	698.5	685.2
10°	846.2	829.7	811.3	790.2	771.0	752.7	735.8	719.2	701.8	686.4	669.9
12.5°	867.4	846.1	825.1	798.4	775.3	752.9	731.4	710.8	692.1	672.2	654.4
15°	886.5	865.5	842.0	809.5	777.3	750.2	724.9	698.2	675.0	652.7	632.9
17.5°	893.9	871.9	844.5	813.3	778.2	744.1	711.5	682.1	654.9	628.9	606.6
20°	891.0	869.7	841.7	811.9	774.3	738.8	703.5	671.1	640.6	613.3	589.5
22.5°	884.1	862.0	835.0	803.5	767.8	730.1	692.5	657.8	626.0	597.6	571.7
25°	873.6	843.5	815.8	785.1	751.1	713.8	675.0	636.8	602.8	573.9	545.6
27.5°	862.7	825.1	790.0	759.4	723.5	690.2	652.8	613.6	577.8	548.4	519.4
30°	852.9	810.7	771.9	737.3	703.3	671.7	636.1	597.9	561.3	530.8	501.4
32.5°	840.6	795.7	753.1	713.2	680.4	649.0	616.9	580.4	544.6	513.3	483.3
35°	825.1	767.9	721.6	679.2	642.8	612.4	583.5	554.0	518.2	485.7	456.5
37.5°	804.9	740.1	686.4	640.2	601.8	571.2	548.5	521.5	488.9	457.7	430.6
40°	792.7	719.9	661.2	615.4	575.0	542.9	521.5	498.6	468.8	439.7	412.6
42.5°	776.3	701.3	635.6	588.0	547.4	516.4	494.8	474.8	449.8	422.3	393.3
45°	744.2	665.4	596.4	545.3	504.4	474.0	453.8	436.0	417.1	391.8	366.5
47.5°	702.4	627.9	555.7	499.9	459.8	431.6	412.0	398.0	384.4	363.0	338.4
50°	669.0	597.1	526.6	472.5	429.8	402.9	384.6	373.4	361.1	341.6	321.1
52.5°	629.5	565.3	496.3	440.9	400.6	375.5	357.8	346.7	336.5	320.6	301.1
55°	567.3	511.0	447.7	397.5	360.5	335.3	318.4	307.8	301.8	288.3	272.9
57.5°	495.4	455.1	399.4	350.9	318.2	293.2	280.9	272.0	265.1	255.6	244.7
60°	445.4	417.1	367.1	321.1	291.0	267.2	256.1	248.6	242.2	234.1	225.7
62.5°	394.6	374.0	330.6	291.0	263.3	243.4	233.0	226.2	218.9	213.4	205.3
65°	326.5	308.2	278.1	247.1	221.5	205.6	198.0	192.0	187.5	181.5	175.7
67.5°	254.0	246.5	225.8	204.4	186.0	171.8	165.3	161.1	155.7	152.1	148.1
70°	209.5	205.8	191.1	177.0	159.8	150.2	144.2	142.4	135.7	132.1	129.4
72.5°	170.0	168.3	159.8	150.0	137.9	129.4	123.9	121.8	117.6	114.8	113.0
75°	116.5	117.1	115.6	109.2	104.7	99.3	94.5	93.3	90.3	87.9	86.3
77.5°	73.7	76.8	76.8	76.5	74.8	71.5	69.5	68.5	65.6	64.7	64.3
80°	50.5	53.9	56.9	56.6	56.0	55.1	53.6	52.7	51.2	50.2	49.7
82.5°	33.7	36.8	39.3	41.0	40.8	39.9	38.9	38.4	38.2	37.5	37.4
85°	15.9	16.6	17.4	19.6	21.1	21.4	21.1	20.8	19.9	20.2	20.4
87.5°	8.6	8.2	8.1	7.7	7.1	7.8	8.2	7.9	7.9	7.8	7.8
90°	15.4	13.5	11.6	9.7	7.6	5.5	3.3	1.2	3.3	5.5	7.6
92.5°	41.3	39.1	36.8	34.9	33.4	31.9	30.4	28.9	30.4	31.9	33.4
95°	86.7	84.1	81.4	79.8	79.2	78.7	78.2	77.6	78.2	78.7	79.2
97.5°	139.2	135.5	131.8	129.9	129.7	129.4	129.2	129.0	129.2	129.4	129.7
100°	175.9	172.5	169.0	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2
102.5°	217.5	215.8	214.0	212.6	211.5	210.5	209.5	208.3	209.5	210.5	211.5
105°	282.3	280.7	279.2	277.7	276.4	275.0	273.7	272.4	273.7	275.0	276.4
107.5°	352.1	350.9	349.7	348.4	347.1	345.8	344.4	343.1	344.4	345.8	347.1
110°	399.8	399.0	398.2	397.2	395.9	394.5	393.2	391.9	393.2	394.5	395.9



TEST NUMBER: P333677-927

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	447.2	446.2	445.2	444.3	443.6	443.0	442.3	441.6	442.3	443.0	443.6
115°	521.0	520.5	520.0	519.2	518.1	517.1	516.0	514.9	516.0	517.1	518.1
117.5°	591.8	591.4	590.9	590.4	589.9	589.5	589.0	588.5	589.0	589.5	589.9
120°	641.0	640.8	640.5	639.7	638.4	637.1	635.7	634.4	635.7	637.1	638.4
122.5°	688.0	687.3	686.6	686.0	685.6	685.1	684.6	684.1	684.6	685.1	685.6
125°	759.3	759.1	758.8	757.9	756.3	754.7	753.0	751.5	753.0	754.7	756.3
127.5°	828.1	827.8	827.4	826.8	825.9	825.0	824.1	823.2	824.1	825.0	825.9
130°	873.5	873.0	872.4	871.5	870.1	868.9	867.5	866.2	867.5	868.9	870.1
132.5°	918.7	918.9	918.9	917.9	915.8	913.5	911.4	909.2	911.4	913.5	915.8
135°	985.2	984.8	984.6	983.7	982.1	980.5	978.9	977.3	978.9	980.5	982.1
137.5°	1049.7	1049.2	1048.5	1047.5	1045.9	1044.4	1042.9	1041.3	1042.9	1044.4	1045.9
140°	1090.4	1089.6	1088.8	1087.7	1086.4	1085.1	1083.8	1082.4	1083.8	1085.1	1086.4
142.5°	1131.1	1130.0	1129.0	1128.0	1126.9	1125.8	1124.7	1123.6	1124.7	1125.8	1126.9
145°	1190.7	1189.9	1189.1	1188.3	1187.2	1186.1	1185.0	1184.0	1185.0	1186.1	1187.2
147.5°	1244.1	1243.5	1242.9	1242.2	1241.7	1241.0	1240.5	1239.9	1240.5	1241.0	1241.7
150°	1278.7	1277.6	1276.5	1276.1	1276.4	1276.7	1276.9	1277.2	1276.9	1276.7	1276.4
152.5°	1310.5	1310.1	1309.6	1309.2	1308.8	1308.5	1308.1	1307.7	1308.1	1308.5	1308.8
155°	1355.5	1355.3	1354.9	1354.9	1354.9	1354.9	1354.9	1354.9	1354.9	1354.9	1354.9
157.5°	1395.0	1394.6	1394.4	1394.6	1395.1	1395.7	1396.3	1396.9	1396.3	1395.7	1395.1
160°	1418.8	1418.6	1418.3	1418.6	1419.4	1420.1	1420.9	1421.7	1420.9	1420.1	1419.4
162.5°	1441.2	1441.1	1441.1	1441.4	1442.0	1442.6	1443.1	1443.8	1443.1	1442.6	1442.0
165°	1471.4	1471.2	1470.8	1471.0	1471.6	1472.0	1472.6	1473.1	1472.6	1472.0	1471.6
167.5°	1493.2	1493.2	1493.2	1493.7	1494.8	1495.9	1496.9	1497.9	1496.9	1495.9	1494.8
170°	1506.6	1506.6	1506.6	1507.1	1508.2	1509.2	1510.3	1511.3	1510.3	1509.2	1508.2
172.5°	1516.2	1516.2	1516.2	1516.6	1517.7	1518.8	1519.9	1520.9	1519.9	1518.8	1517.7
175°	1526.9	1526.9	1526.9	1527.4	1528.4	1529.5	1530.6	1531.7	1530.6	1529.5	1528.4
177.5°	1532.8	1533.0	1533.2	1533.7	1534.6	1535.5	1536.3	1537.2	1536.3	1535.5	1534.6
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	720.8	717.4	715.0	710.2	706.8	705.4	702.7	702.0	704.6	702.7	702.5
5°	699.3	690.6	683.7	676.8	669.2	664.5	657.2	656.0	654.2	651.5	650.9
7.5°	673.7	662.3	653.4	641.9	632.0	624.0	615.0	610.7	608.3	604.8	600.2
10°	656.3	642.8	630.7	619.3	607.0	597.1	588.0	581.1	576.6	572.4	570.5
12.5°	639.2	625.4	610.1	596.2	582.4	571.2	561.3	556.7	551.8	546.8	542.6
15°	612.7	594.3	577.5	561.5	549.8	537.7	528.1	521.5	514.0	511.9	503.7
17.5°	584.6	566.5	546.8	530.0	516.4	503.1	492.6	485.1	479.3	471.6	467.9
20°	567.0	545.6	526.3	511.0	495.9	480.3	469.4	463.1	457.7	451.4	448.4
22.5°	548.2	527.3	507.6	489.6	474.3	458.8	451.1	444.6	438.5	432.6	428.6
25°	520.6	499.6	478.8	460.1	444.2	433.0	424.0	416.5	413.2	407.4	403.2
27.5°	493.4	471.0	449.4	430.8	418.3	407.3	399.9	394.0	387.9	382.9	379.3
30°	475.8	452.9	429.4	414.7	401.4	390.9	382.8	377.1	372.6	368.0	365.4
32.5°	458.2	434.6	413.8	397.8	385.3	376.2	367.9	362.3	357.6	352.6	349.4
35°	430.0	405.9	389.1	373.4	361.1	352.7	347.0	339.1	335.3	331.6	328.3
37.5°	403.9	381.4	363.2	349.5	338.8	330.4	323.1	318.8	314.0	310.8	308.0
40°	384.6	364.1	347.6	333.1	325.3	316.0	309.0	303.6	300.0	295.8	292.8
42.5°	367.3	348.2	332.2	319.2	309.4	301.5	294.9	289.5	284.9	281.9	279.3
45°	342.8	323.8	308.2	296.1	287.1	279.6	272.7	269.9	263.9	260.3	259.1
47.5°	317.4	300.5	285.3	274.3	265.0	257.9	251.4	245.9	242.6	239.0	237.1
50°	300.3	284.1	269.9	259.1	250.1	242.2	236.2	232.6	228.1	224.8	222.4
52.5°	283.2	268.2	254.1	243.7	235.8	228.1	221.3	217.7	213.4	211.3	209.6
55°	258.8	242.9	230.8	220.5	212.5	205.3	198.9	195.3	192.6	190.5	189.9
57.5°	231.1	218.5	207.3	198.0	189.6	182.8	177.3	173.9	171.5	171.2	169.4
60°	213.0	201.6	191.4	181.5	174.2	167.9	163.1	159.2	156.8	156.5	155.9
62.5°	195.0	184.0	174.5	165.8	159.3	153.2	148.7	144.3	142.8	141.3	140.0
65°	168.2	158.3	150.4	143.5	136.7	131.5	127.0	124.3	121.0	119.1	115.9
67.5°	141.9	134.2	126.7	120.9	115.4	110.6	106.9	102.8	100.6	99.1	96.7
70°	124.6	118.6	111.1	104.7	100.5	96.6	93.6	89.0	87.5	86.3	85.2
72.5°	108.2	102.9	96.6	91.5	87.3	83.6	80.1	78.0	76.5	75.3	74.5
75°	85.2	80.0	74.6	71.0	68.0	65.0	63.2	61.7	61.1	60.8	59.6
77.5°	62.5	59.8	55.5	52.6	50.6	49.4	47.8	47.0	47.0	45.6	45.2
80°	47.8	46.3	42.7	41.5	40.0	38.8	37.9	36.4	34.9	34.3	33.4
82.5°	35.6	34.1	32.6	30.7	29.5	28.7	27.8	27.3	27.4	26.6	26.1
85°	18.9	17.4	16.9	16.6	15.9	16.6	16.2	15.9	15.7	15.4	15.7
87.5°	7.9	8.3	8.5	9.3	9.0	9.6	9.9	9.9	10.1	10.5	10.4
90°	9.7	11.6	13.5	15.4	17.3	19.1	20.4	21.8	23.1	24.4	25.5
92.5°	34.9	36.8	39.1	41.3	43.6	45.9	47.6	49.4	51.1	52.9	54.0
95°	79.8	81.4	84.1	86.7	89.4	92.0	93.9	95.7	97.6	99.4	100.6
97.5°	129.9	131.8	135.5	139.2	142.8	146.5	148.2	150.0	151.7	153.4	154.6
100°	167.2	169.0	172.5	175.9	179.4	182.8	185.2	187.6	190.0	192.3	193.8
102.5°	212.6	214.0	215.8	217.5	219.3	221.0	223.6	226.2	228.9	231.4	233.1
105°	277.7	279.2	280.7	282.3	283.9	285.6	287.2	288.8	290.3	291.9	293.1
107.5°	348.4	349.7	350.9	352.1	353.4	354.6	355.4	356.2	357.0	357.7	358.1
110°	397.2	398.2	399.0	399.8	400.6	401.4	402.2	403.1	403.9	404.6	404.9



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	444.3	445.2	446.2	447.2	448.2	449.2	449.6	450.0	450.4	450.7	450.7
115°	519.2	520.0	520.5	521.0	521.6	522.1	521.8	521.6	521.3	521.0	520.8
117.5°	590.4	590.9	591.4	591.8	592.3	592.9	593.0	593.3	593.5	593.7	593.3
120°	639.7	640.5	640.8	641.0	641.3	641.6	641.6	641.6	641.6	641.6	641.0
122.5°	686.0	686.6	687.3	688.0	688.6	689.4	689.1	689.0	688.7	688.5	688.0
125°	757.9	758.8	759.1	759.3	759.6	759.9	759.3	758.8	758.3	757.7	757.3
127.5°	826.8	827.4	827.8	828.1	828.4	828.7	828.4	828.1	827.9	827.6	827.2
130°	871.5	872.4	873.0	873.5	874.0	874.6	874.3	874.0	873.8	873.5	873.1
132.5°	917.9	918.9	918.9	918.7	918.6	918.5	918.2	918.0	917.7	917.4	917.0
135°	983.7	984.6	984.8	985.2	985.4	985.6	985.6	985.6	985.6	985.6	985.2
137.5°	1047.5	1048.5	1049.2	1049.7	1050.3	1050.9	1051.2	1051.5	1051.9	1052.2	1051.7
140°	1087.7	1088.8	1089.6	1090.4	1091.2	1092.0	1092.5	1093.1	1093.6	1094.1	1093.7
142.5°	1128.0	1129.0	1130.0	1131.1	1132.1	1133.1	1133.4	1133.7	1134.0	1134.4	1133.9
145°	1188.3	1189.1	1189.9	1190.7	1191.5	1192.3	1192.3	1192.3	1192.3	1192.3	1191.9
147.5°	1242.2	1242.9	1243.5	1244.1	1244.8	1245.4	1246.0	1246.7	1247.3	1247.9	1247.4
150°	1276.1	1276.5	1277.6	1278.7	1279.7	1280.8	1280.8	1280.8	1280.8	1280.8	1280.5
152.5°	1309.2	1309.6	1310.1	1310.5	1310.9	1311.4	1312.0	1312.6	1313.3	1313.9	1313.8
155°	1354.9	1354.9	1355.3	1355.5	1355.7	1356.1	1357.1	1358.1	1359.2	1360.3	1360.2
157.5°	1394.6	1394.4	1394.6	1395.0	1395.2	1395.4	1396.5	1397.6	1398.7	1399.7	1399.4
160°	1418.6	1418.3	1418.6	1418.8	1419.1	1419.4	1420.4	1421.5	1422.5	1423.6	1423.5
162.5°	1441.4	1441.1	1441.1	1441.2	1441.3	1441.3	1442.6	1443.9	1445.2	1446.4	1446.3
165°	1471.0	1470.8	1471.2	1471.4	1471.6	1472.0	1473.0	1474.0	1475.1	1476.2	1475.9
167.5°	1493.7	1493.2	1493.2	1493.2	1493.2	1493.2	1494.8	1496.4	1497.9	1499.5	1499.5
170°	1507.1	1506.6	1506.6	1506.6	1506.6	1506.6	1508.2	1509.7	1511.3	1512.9	1512.8
172.5°	1516.6	1516.2	1516.2	1516.2	1516.2	1516.2	1517.7	1519.3	1520.9	1522.5	1522.5
175°	1527.4	1526.9	1526.9	1526.9	1526.9	1526.9	1528.4	1530.1	1531.7	1533.3	1533.1
177.5°	1533.7	1533.2	1533.0	1532.8	1532.6	1532.4	1533.7	1534.9	1536.2	1537.5	1537.4
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	702.3	699.6	698.9	699.8	698.9	699.6	702.3	702.5	702.7	704.6	702.0
5°	647.9	644.9	646.4	645.8	646.4	644.9	647.9	650.9	651.5	654.2	656.0
7.5°	600.1	596.4	592.4	593.7	592.4	596.4	600.1	600.2	604.8	608.3	610.7
10°	566.6	563.6	561.8	563.3	561.8	563.6	566.6	570.5	572.4	576.6	581.1
12.5°	538.4	536.7	535.1	534.5	535.1	536.7	538.4	542.6	546.8	551.8	556.7
15°	500.1	496.5	495.0	491.2	495.0	496.5	500.1	503.7	511.9	514.0	521.5
17.5°	464.8	463.6	459.7	458.0	459.7	463.6	464.8	467.9	471.6	479.3	485.1
20°	443.9	442.7	438.8	441.2	438.8	442.7	443.9	448.4	451.4	457.7	463.1
22.5°	426.5	423.9	422.6	421.9	422.6	423.9	426.5	428.6	432.6	438.5	444.6
25°	402.0	398.2	396.6	394.8	396.6	398.2	402.0	403.2	407.4	413.2	416.5
27.5°	377.6	375.5	373.5	373.0	373.5	375.5	377.6	379.3	382.9	387.9	394.0
30°	361.7	359.6	358.1	358.1	358.1	359.6	361.7	365.4	368.0	372.6	377.1
32.5°	347.5	345.9	344.4	344.1	344.4	345.9	347.5	349.4	352.6	357.6	362.3
35°	326.8	324.4	323.8	322.0	323.8	324.4	326.8	328.3	331.6	335.3	339.1
37.5°	305.3	303.3	303.2	303.1	303.2	303.3	305.3	308.0	310.8	314.0	318.8
40°	291.6	290.1	289.8	287.7	289.8	290.1	291.6	292.8	295.8	300.0	303.6
42.5°	276.9	276.2	275.1	274.2	275.1	276.2	276.9	279.3	281.9	284.9	289.5
45°	257.0	254.9	254.9	253.4	254.9	254.9	257.0	259.1	260.3	263.9	269.9
47.5°	236.4	234.8	235.0	233.4	235.0	234.8	236.4	237.1	239.0	242.6	245.9
50°	222.7	221.8	221.5	220.9	221.5	221.8	222.7	222.4	224.8	228.1	232.6
52.5°	209.0	208.6	209.7	208.3	209.7	208.6	209.0	209.6	211.3	213.4	217.7
55°	190.5	189.6	191.4	189.6	191.4	189.6	190.5	189.9	190.5	192.6	195.3
57.5°	169.2	168.4	170.0	169.1	170.0	168.4	169.2	169.4	171.2	171.5	173.9
60°	155.3	153.4	154.4	154.7	154.4	153.4	155.3	155.9	156.5	156.8	159.2
62.5°	138.6	137.6	138.2	136.9	138.2	137.6	138.6	140.0	141.3	142.8	144.3
65°	115.3	114.4	113.1	112.6	113.1	114.4	115.3	115.9	119.1	121.0	124.3
67.5°	96.8	94.7	94.6	95.1	94.6	94.7	96.8	96.7	99.1	100.6	102.8
70°	83.3	83.3	83.0	83.0	83.0	83.3	83.3	85.2	86.3	87.5	89.0
72.5°	74.0	73.8	73.2	73.0	73.2	73.8	74.0	74.5	75.3	76.5	78.0
75°	59.6	59.9	59.3	59.0	59.3	59.9	59.6	59.6	60.8	61.1	61.7
77.5°	44.0	42.7	43.4	42.7	43.4	42.7	44.0	45.2	45.6	47.0	47.0
80°	33.4	33.1	34.0	33.1	34.0	33.1	33.4	33.4	34.3	34.9	36.4
82.5°	26.5	26.1	26.5	25.9	26.5	26.1	26.5	26.1	26.6	27.4	27.3
85°	15.9	15.7	15.4	15.7	15.4	15.7	15.9	15.7	15.4	15.7	15.9
87.5°	10.8	10.7	10.9	11.0	10.9	10.7	10.8	10.4	10.5	10.1	9.9
90°	26.3	27.1	27.9	28.7	27.9	27.1	26.3	25.5	24.4	23.1	21.8
92.5°	54.7	55.2	55.8	56.4	55.8	55.2	54.7	54.0	52.9	51.1	49.4
95°	101.2	101.7	102.2	102.7	102.2	101.7	101.2	100.6	99.4	97.6	95.7
97.5°	154.9	155.2	155.5	155.8	155.5	155.2	154.9	154.6	153.4	151.7	150.0
100°	194.3	194.9	195.4	195.9	195.4	194.9	194.3	193.8	192.3	190.0	187.6
102.5°	233.9	234.6	235.4	236.1	235.4	234.6	233.9	233.1	231.4	228.9	226.2
105°	293.9	294.7	295.5	296.3	295.5	294.7	293.9	293.1	291.9	290.3	288.8
107.5°	358.1	358.1	358.0	357.9	358.0	358.1	358.1	358.1	357.7	357.0	356.2
110°	404.6	404.3	404.1	403.9	404.1	404.3	404.6	404.9	404.6	403.9	403.1



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	450.2	449.7	449.2	448.8	449.2	449.7	450.2	450.7	450.7	450.4	450.0
115°	520.5	520.2	520.0	519.8	520.0	520.2	520.5	520.8	521.0	521.3	521.6
117.5°	592.2	591.1	590.1	589.0	590.1	591.1	592.2	593.3	593.7	593.5	593.3
120°	640.0	638.9	637.9	636.8	637.9	638.9	640.0	641.0	641.6	641.6	641.6
122.5°	687.1	686.3	685.4	684.6	685.4	686.3	687.1	688.0	688.5	688.7	689.0
125°	757.1	756.8	756.5	756.3	756.5	756.8	757.1	757.3	757.7	758.3	758.8
127.5°	826.6	826.2	825.6	825.1	825.6	826.2	826.6	827.2	827.6	827.9	828.1
130°	872.6	872.0	871.5	871.0	871.5	872.0	872.6	873.1	873.5	873.8	874.0
132.5°	916.2	915.4	914.7	913.9	914.7	915.4	916.2	917.0	917.4	917.7	918.0
135°	984.0	983.0	981.9	980.9	981.9	983.0	984.0	985.2	985.6	985.6	985.6
137.5°	1050.4	1049.0	1047.7	1046.3	1047.7	1049.0	1050.4	1051.7	1052.2	1051.9	1051.5
140°	1092.4	1091.1	1089.7	1088.4	1089.7	1091.1	1092.4	1093.7	1094.1	1093.6	1093.1
142.5°	1132.5	1131.2	1129.9	1128.5	1129.9	1131.2	1132.5	1133.9	1134.4	1134.0	1133.7
145°	1191.1	1190.3	1189.5	1188.7	1189.5	1190.3	1191.1	1191.9	1192.3	1192.3	1192.3
147.5°	1245.5	1243.7	1242.0	1240.2	1242.0	1243.7	1245.5	1247.4	1247.9	1247.3	1246.7
150°	1279.9	1279.5	1278.9	1278.3	1278.9	1279.5	1279.9	1280.5	1280.8	1280.8	1280.8
152.5°	1312.8	1311.9	1310.9	1310.0	1310.9	1311.9	1312.8	1313.8	1313.9	1313.3	1312.6
155°	1358.8	1357.5	1356.1	1354.9	1356.1	1357.5	1358.8	1360.2	1360.3	1359.2	1358.1
157.5°	1397.6	1395.8	1394.1	1392.3	1394.1	1395.8	1397.6	1399.4	1399.7	1398.7	1397.6
160°	1422.1	1420.8	1419.5	1418.2	1419.5	1420.8	1422.1	1423.5	1423.6	1422.5	1421.5
162.5°	1444.8	1443.2	1441.7	1440.1	1441.7	1443.2	1444.8	1446.3	1446.4	1445.2	1443.9
165°	1474.3	1472.7	1471.2	1469.5	1471.2	1472.7	1474.3	1475.9	1476.2	1475.1	1474.0
167.5°	1497.9	1496.3	1494.6	1492.9	1494.6	1496.3	1497.9	1499.5	1499.5	1497.9	1496.4
170°	1510.9	1509.1	1507.2	1505.4	1507.2	1509.1	1510.9	1512.8	1512.9	1511.3	1509.7
172.5°	1520.8	1519.2	1517.5	1515.9	1517.5	1519.2	1520.8	1522.5	1522.5	1520.9	1519.3
175°	1531.3	1529.4	1527.6	1525.7	1527.6	1529.4	1531.3	1533.1	1533.3	1531.7	1530.1
177.5°	1535.9	1534.4	1532.9	1531.4	1532.9	1534.4	1535.9	1537.4	1537.5	1536.2	1534.9
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	702.7	705.4	706.8	710.2	715.0	717.4	720.8	723.2	726.6	730.6	734.0
5°	657.2	664.5	669.2	676.8	683.7	690.6	699.3	705.7	714.1	723.7	731.3
7.5°	615.0	624.0	632.0	641.9	653.4	662.3	673.7	685.2	698.5	712.1	725.0
10°	588.0	597.1	607.0	619.3	630.7	642.8	656.3	669.9	686.4	701.8	719.2
12.5°	561.3	571.2	582.4	596.2	610.1	625.4	639.2	654.4	672.2	692.1	710.8
15°	528.1	537.7	549.8	561.5	577.5	594.3	612.7	632.9	652.7	675.0	698.2
17.5°	492.6	503.1	516.4	530.0	546.8	566.5	584.6	606.6	628.9	654.9	682.1
20°	469.4	480.3	495.9	511.0	526.3	545.6	567.0	589.5	613.3	640.6	671.1
22.5°	451.1	458.8	474.3	489.6	507.6	527.3	548.2	571.7	597.6	626.0	657.8
25°	424.0	433.0	444.2	460.1	478.8	499.6	520.6	545.6	573.9	602.8	636.8
27.5°	399.9	407.3	418.3	430.8	449.4	471.0	493.4	519.4	548.4	577.8	613.6
30°	382.8	390.9	401.4	414.7	429.4	452.9	475.8	501.4	530.8	561.3	597.9
32.5°	367.9	376.2	385.3	397.8	413.8	434.6	458.2	483.3	513.3	544.6	580.4
35°	347.0	352.7	361.1	373.4	389.1	405.9	430.0	456.5	485.7	518.2	554.0
37.5°	323.1	330.4	338.8	349.5	363.2	381.4	403.9	430.6	457.7	488.9	521.5
40°	309.0	316.0	325.3	333.1	347.6	364.1	384.6	412.6	439.7	468.8	498.6
42.5°	294.9	301.5	309.4	319.2	332.2	348.2	367.3	393.3	422.3	449.8	474.8
45°	272.7	279.6	287.1	296.1	308.2	323.8	342.8	366.5	391.8	417.1	436.0
47.5°	251.4	257.9	265.0	274.3	285.3	300.5	317.4	338.4	363.0	384.4	398.0
50°	236.2	242.2	250.1	259.1	269.9	284.1	300.3	321.1	341.6	361.1	373.4
52.5°	221.3	228.1	235.8	243.7	254.1	268.2	283.2	301.1	320.6	336.5	346.7
55°	198.9	205.3	212.5	220.5	230.8	242.9	258.8	272.9	288.3	301.8	307.8
57.5°	177.3	182.8	189.6	198.0	207.3	218.5	231.1	244.7	255.6	265.1	272.0
60°	163.1	167.9	174.2	181.5	191.4	201.6	213.0	225.7	234.1	242.2	248.6
62.5°	148.7	153.2	159.3	165.8	174.5	184.0	195.0	205.3	213.4	218.9	226.2
65°	127.0	131.5	136.7	143.5	150.4	158.3	168.2	175.7	181.5	187.5	192.0
67.5°	106.9	110.6	115.4	120.9	126.7	134.2	141.9	148.1	152.1	155.7	161.1
70°	93.6	96.6	100.5	104.7	111.1	118.6	124.6	129.4	132.1	135.7	142.4
72.5°	80.1	83.6	87.3	91.5	96.6	102.9	108.2	113.0	114.8	117.6	121.8
75°	63.2	65.0	68.0	71.0	74.6	80.0	85.2	86.3	87.9	90.3	93.3
77.5°	47.8	49.4	50.6	52.6	55.5	59.8	62.5	64.3	64.7	65.6	68.5
80°	37.9	38.8	40.0	41.5	42.7	46.3	47.8	49.7	50.2	51.2	52.7
82.5°	27.8	28.7	29.5	30.7	32.6	34.1	35.6	37.4	37.5	38.2	38.4
85°	16.2	16.6	15.9	16.6	16.9	17.4	18.9	20.4	20.2	19.9	20.8
87.5°	9.9	9.6	9.0	9.3	8.5	8.3	7.9	7.8	7.8	7.9	7.9
90°	20.4	19.1	17.3	15.4	13.5	11.6	9.7	7.6	5.5	3.3	1.2
92.5°	47.6	45.9	43.6	41.3	39.1	36.8	34.9	33.4	31.9	30.4	28.9
95°	93.9	92.0	89.4	86.7	84.1	81.4	79.8	79.2	78.7	78.2	77.6
97.5°	148.2	146.5	142.8	139.2	135.5	131.8	129.9	129.7	129.4	129.2	129.0
100°	185.2	182.8	179.4	175.9	172.5	169.0	167.2	167.2	167.2	167.2	167.2
102.5°	223.6	221.0	219.3	217.5	215.8	214.0	212.6	211.5	210.5	209.5	208.3
105°	287.2	285.6	283.9	282.3	280.7	279.2	277.7	276.4	275.0	273.7	272.4
107.5°	355.4	354.6	353.4	352.1	350.9	349.7	348.4	347.1	345.8	344.4	343.1
110°	402.2	401.4	400.6	399.8	399.0	398.2	397.2	395.9	394.5	393.2	391.9



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	449.6	449.2	448.2	447.2	446.2	445.2	444.3	443.6	443.0	442.3	441.6
115°	521.8	522.1	521.6	521.0	520.5	520.0	519.2	518.1	517.1	516.0	514.9
117.5°	593.0	592.9	592.3	591.8	591.4	590.9	590.4	589.9	589.5	589.0	588.5
120°	641.6	641.6	641.3	641.0	640.8	640.5	639.7	638.4	637.1	635.7	634.4
122.5°	689.1	689.4	688.6	688.0	687.3	686.6	686.0	685.6	685.1	684.6	684.1
125°	759.3	759.9	759.6	759.3	759.1	758.8	757.9	756.3	754.7	753.0	751.5
127.5°	828.4	828.7	828.4	828.1	827.8	827.4	826.8	825.9	825.0	824.1	823.2
130°	874.3	874.6	874.0	873.5	873.0	872.4	871.5	870.1	868.9	867.5	866.2
132.5°	918.2	918.5	918.6	918.7	918.9	918.9	917.9	915.8	913.5	911.4	909.2
135°	985.6	985.6	985.4	985.2	984.8	984.6	983.7	982.1	980.5	978.9	977.3
137.5°	1051.2	1050.9	1050.3	1049.7	1049.2	1048.5	1047.5	1045.9	1044.4	1042.9	1041.3
140°	1092.5	1092.0	1091.2	1090.4	1089.6	1088.8	1087.7	1086.4	1085.1	1083.8	1082.4
142.5°	1133.4	1133.1	1132.1	1131.1	1130.0	1129.0	1128.0	1126.9	1125.8	1124.7	1123.6
145°	1192.3	1192.3	1191.5	1190.7	1189.9	1189.1	1188.3	1187.2	1186.1	1185.0	1184.0
147.5°	1246.0	1245.4	1244.8	1244.1	1243.5	1242.9	1242.2	1241.7	1241.0	1240.5	1239.9
150°	1280.8	1280.8	1279.7	1278.7	1277.6	1276.5	1276.1	1276.4	1276.7	1276.9	1277.2
152.5°	1312.0	1311.4	1310.9	1310.5	1310.1	1309.6	1309.2	1308.8	1308.5	1308.1	1307.7
155°	1357.1	1356.1	1355.7	1355.5	1355.3	1354.9	1354.9	1354.9	1354.9	1354.9	1354.9
157.5°	1396.5	1395.4	1395.2	1395.0	1394.6	1394.4	1394.6	1395.1	1395.7	1396.3	1396.9
160°	1420.4	1419.4	1419.1	1418.8	1418.6	1418.3	1418.6	1419.4	1420.1	1420.9	1421.7
162.5°	1442.6	1441.3	1441.3	1441.2	1441.1	1441.1	1441.4	1442.0	1442.6	1443.1	1443.8
165°	1473.0	1472.0	1471.6	1471.4	1471.2	1470.8	1471.0	1471.6	1472.0	1472.6	1473.1
167.5°	1494.8	1493.2	1493.2	1493.2	1493.2	1493.2	1493.7	1494.8	1495.9	1496.9	1497.9
170°	1508.2	1506.6	1506.6	1506.6	1506.6	1506.6	1507.1	1508.2	1509.2	1510.3	1511.3
172.5°	1517.7	1516.2	1516.2	1516.2	1516.2	1516.2	1516.6	1517.7	1518.8	1519.9	1520.9
175°	1528.4	1526.9	1526.9	1526.9	1526.9	1526.9	1527.4	1528.4	1529.5	1530.6	1531.7
177.5°	1533.7	1532.4	1532.6	1532.8	1533.0	1533.2	1533.7	1534.6	1535.5	1536.3	1537.2
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	736.7	738.9	742.0	745.6	748.5	751.6	753.3	753.3	754.7	757.9	761.9
5°	738.8	746.6	754.2	763.7	771.3	780.0	786.6	793.0	798.7	805.9	813.4
7.5°	738.2	751.1	764.7	779.9	796.6	809.9	823.6	834.3	844.9	858.7	869.7
10°	735.8	752.7	771.0	790.2	811.3	829.7	846.2	861.3	875.7	890.7	904.3
12.5°	731.4	752.9	775.3	798.4	825.1	846.1	867.4	883.4	900.2	916.7	933.4
15°	724.9	750.2	777.3	809.5	842.0	865.5	886.5	907.3	923.0	941.6	957.6
17.5°	711.5	744.1	778.2	813.3	844.5	871.9	893.9	913.7	930.3	950.9	972.6
20°	703.5	738.8	774.3	811.9	841.7	869.7	891.0	911.5	932.2	959.1	985.6
22.5°	692.5	730.1	767.8	803.5	835.0	862.0	884.1	909.1	936.4	966.8	998.8
25°	675.0	713.8	751.1	785.1	815.8	843.5	873.6	907.3	940.4	980.4	1026.4
27.5°	652.8	690.2	723.5	759.4	790.0	825.1	862.7	899.2	947.0	1002.0	1059.5
30°	636.1	671.7	703.3	737.3	771.9	810.7	852.9	895.9	952.8	1017.4	1085.8
32.5°	616.9	649.0	680.4	713.2	753.1	795.7	840.6	893.2	961.2	1034.7	1105.5
35°	583.5	612.4	642.8	679.2	721.6	767.9	825.1	889.2	971.4	1050.5	1114.0
37.5°	548.5	571.2	601.8	640.2	686.4	740.1	804.9	882.8	967.2	1038.2	1065.2
40°	521.5	542.9	575.0	615.4	661.2	719.9	792.7	872.7	957.6	1006.9	1004.8
42.5°	494.8	516.4	547.4	588.0	635.6	701.3	776.3	859.4	931.1	949.8	910.7
45°	453.8	474.0	504.4	545.3	596.4	665.4	744.2	823.9	869.7	839.3	761.7
47.5°	412.0	431.6	459.8	499.9	555.7	627.9	702.4	767.9	774.3	709.0	615.8
50°	384.6	402.9	429.8	472.5	526.6	597.1	669.0	720.4	704.5	624.7	528.7
52.5°	357.8	375.5	400.6	440.9	496.3	565.3	629.5	669.9	633.0	548.2	461.8
55°	318.4	335.3	360.5	397.5	447.7	511.0	567.3	582.0	527.8	442.4	372.6
57.5°	280.9	293.2	318.2	350.9	399.4	455.1	495.4	492.8	433.0	356.1	306.0
60°	256.1	267.2	291.0	321.1	367.1	417.1	445.4	433.3	372.9	309.3	261.2
62.5°	233.0	243.4	263.3	291.0	330.6	374.0	394.6	378.0	320.8	265.1	226.8
65°	198.0	205.6	221.5	247.1	278.1	308.2	326.5	302.1	251.6	209.5	180.5
67.5°	165.3	171.8	186.0	204.4	225.8	246.5	254.0	231.1	191.8	163.4	143.1
70°	144.2	150.2	159.8	177.0	191.1	205.8	209.5	189.0	156.2	134.5	121.8
72.5°	123.9	129.4	137.9	150.0	159.8	168.3	170.0	150.9	125.9	110.9	101.2
75°	94.5	99.3	104.7	109.2	115.6	117.1	116.5	101.7	88.2	78.3	72.8
77.5°	69.5	71.5	74.8	76.5	76.8	76.8	73.7	64.3	57.4	53.2	51.0
80°	53.6	55.1	56.0	56.6	56.9	53.9	50.5	44.8	42.5	40.0	37.3
82.5°	38.9	39.9	40.8	41.0	39.3	36.8	33.7	30.9	29.2	28.0	26.9
85°	21.1	21.4	21.1	19.6	17.4	16.6	15.9	15.4	15.1	14.7	14.7
87.5°	8.2	7.8	7.1	7.7	8.1	8.2	8.6	8.7	8.9	9.1	9.4
90°	3.3	5.5	7.6	9.7	11.6	13.5	15.4	17.3	19.1	20.4	21.8
92.5°	30.4	31.9	33.4	34.9	36.8	39.1	41.3	43.6	45.9	47.6	49.4
95°	78.2	78.7	79.2	79.8	81.4	84.1	86.7	89.4	92.0	93.9	95.7
97.5°	129.2	129.4	129.7	129.9	131.8	135.5	139.2	142.8	146.5	148.2	150.0
100°	167.2	167.2	167.2	167.2	169.0	172.5	175.9	179.4	182.8	185.2	187.6
102.5°	209.5	210.5	211.5	212.6	214.0	215.8	217.5	219.3	221.0	223.6	226.2
105°	273.7	275.0	276.4	277.7	279.2	280.7	282.3	283.9	285.6	287.2	288.8
107.5°	344.4	345.8	347.1	348.4	349.7	350.9	352.1	353.4	354.6	355.4	356.2
110°	393.2	394.5	395.9	397.2	398.2	399.0	399.8	400.6	401.4	402.2	403.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	442.3	443.0	443.6	444.3	445.2	446.2	447.2	448.2	449.2	449.6	450.0
115°	516.0	517.1	518.1	519.2	520.0	520.5	521.0	521.6	522.1	521.8	521.6
117.5°	589.0	589.5	589.9	590.4	590.9	591.4	591.8	592.3	592.9	593.0	593.3
120°	635.7	637.1	638.4	639.7	640.5	640.8	641.0	641.3	641.6	641.6	641.6
122.5°	684.6	685.1	685.6	686.0	686.6	687.3	688.0	688.6	689.4	689.1	689.0
125°	753.0	754.7	756.3	757.9	758.8	759.1	759.3	759.6	759.9	759.3	758.8
127.5°	824.1	825.0	825.9	826.8	827.4	827.8	828.1	828.4	828.7	828.4	828.1
130°	867.5	868.9	870.1	871.5	872.4	873.0	873.5	874.0	874.6	874.3	874.0
132.5°	911.4	913.5	915.8	917.9	918.9	918.9	918.7	918.6	918.5	918.2	918.0
135°	978.9	980.5	982.1	983.7	984.6	984.8	985.2	985.4	985.6	985.6	985.6
137.5°	1042.9	1044.4	1045.9	1047.5	1048.5	1049.2	1049.7	1050.3	1050.9	1051.2	1051.5
140°	1083.8	1085.1	1086.4	1087.7	1088.8	1089.6	1090.4	1091.2	1092.0	1092.5	1093.1
142.5°	1124.7	1125.8	1126.9	1128.0	1129.0	1130.0	1131.1	1132.1	1133.1	1133.4	1133.7
145°	1185.0	1186.1	1187.2	1188.3	1189.1	1189.9	1190.7	1191.5	1192.3	1192.3	1192.3
147.5°	1240.5	1241.0	1241.7	1242.2	1242.9	1243.5	1244.1	1244.8	1245.4	1246.0	1246.7
150°	1276.9	1276.7	1276.4	1276.1	1276.5	1277.6	1278.7	1279.7	1280.8	1280.8	1280.8
152.5°	1308.1	1308.5	1308.8	1309.2	1309.6	1310.1	1310.5	1310.9	1311.4	1312.0	1312.6
155°	1354.9	1354.9	1354.9	1354.9	1354.9	1355.3	1355.5	1355.7	1356.1	1357.1	1358.1
157.5°	1396.3	1395.7	1395.1	1394.6	1394.4	1394.6	1395.0	1395.2	1395.4	1396.5	1397.6
160°	1420.9	1420.1	1419.4	1418.6	1418.3	1418.6	1418.8	1419.1	1419.4	1420.4	1421.5
162.5°	1443.1	1442.6	1442.0	1441.4	1441.1	1441.1	1441.2	1441.3	1441.3	1442.6	1443.9
165°	1472.6	1472.0	1471.6	1471.0	1470.8	1471.2	1471.4	1471.6	1472.0	1473.0	1474.0
167.5°	1496.9	1495.9	1494.8	1493.7	1493.2	1493.2	1493.2	1493.2	1493.2	1494.8	1496.4
170°	1510.3	1509.2	1508.2	1507.1	1506.6	1506.6	1506.6	1506.6	1506.6	1508.2	1509.7
172.5°	1519.9	1518.8	1517.7	1516.6	1516.2	1516.2	1516.2	1516.2	1516.2	1517.7	1519.3
175°	1530.6	1529.5	1528.4	1527.4	1526.9	1526.9	1526.9	1526.9	1526.9	1528.4	1530.1
177.5°	1536.3	1535.5	1534.6	1533.7	1533.2	1533.0	1532.8	1532.6	1532.4	1533.7	1534.9
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	765.1	765.1	769.2	768.9	771.6	770.6	771.1
5°	822.4	827.5	832.0	835.0	839.6	840.8	840.2
7.5°	881.9	893.3	898.8	906.4	907.8	911.7	911.3
10°	918.7	929.9	938.3	944.9	948.2	952.4	952.8
12.5°	947.6	957.0	964.6	970.7	974.7	976.0	976.8
15°	970.2	980.7	989.4	998.1	1003.3	1007.2	1009.3
17.5°	992.9	1009.2	1024.6	1036.5	1043.5	1049.6	1049.5
20°	1010.5	1029.2	1048.5	1062.0	1075.8	1081.8	1082.8
22.5°	1029.3	1057.8	1082.6	1103.6	1121.8	1128.1	1130.4
25°	1068.3	1105.6	1143.8	1173.3	1194.4	1206.7	1208.6
27.5°	1115.4	1165.9	1206.1	1233.3	1250.9	1260.0	1261.9
30°	1148.7	1195.2	1231.4	1251.9	1260.0	1261.2	1256.6
32.5°	1163.6	1198.4	1212.8	1211.6	1195.7	1185.1	1181.1
35°	1145.3	1138.1	1102.9	1060.7	1028.6	1008.1	1002.7
37.5°	1042.3	980.0	915.2	851.6	817.7	800.5	770.9
40°	940.7	851.9	784.5	730.9	692.8	662.0	654.8
42.5°	826.1	734.4	667.0	621.2	590.7	569.6	560.5
45°	663.8	585.0	529.3	494.1	470.6	455.3	448.4
47.5°	530.9	469.9	429.4	403.3	385.4	372.1	368.4
50°	458.0	409.2	374.9	353.0	339.5	329.2	325.0
52.5°	397.8	358.5	332.1	314.0	301.2	294.8	291.3
55°	328.3	294.3	275.4	260.9	253.7	248.6	246.1
57.5°	268.5	243.9	230.0	220.1	213.4	210.2	209.0
60°	235.0	215.8	203.1	195.3	190.8	186.6	185.4
62.5°	205.4	190.3	180.5	173.6	169.1	167.3	166.6
65°	165.5	155.6	148.4	144.2	140.5	139.9	139.7
67.5°	131.6	125.7	121.9	117.6	116.3	114.2	113.8
70°	112.6	108.6	104.1	102.6	101.1	99.0	99.3
72.5°	95.5	91.6	88.5	86.5	86.0	85.1	85.8
75°	69.8	68.6	67.4	65.9	65.3	65.3	65.0
77.5°	49.8	48.8	47.5	46.6	46.4	45.2	45.6
80°	36.1	34.6	34.0	34.3	33.4	33.1	33.1
82.5°	26.7	26.1	25.6	25.7	25.4	25.2	25.4
85°	14.7	14.4	14.4	14.2	14.2	13.9	13.9
87.5°	9.9	10.5	10.1	10.1	10.2	10.6	11.0
90°	23.1	24.4	25.5	26.3	27.1	27.9	28.7
92.5°	51.1	52.9	54.0	54.7	55.2	55.8	56.4
95°	97.6	99.4	100.6	101.2	101.7	102.2	102.7
97.5°	151.7	153.4	154.6	154.9	155.2	155.5	155.8
100°	190.0	192.3	193.8	194.3	194.9	195.4	195.9
102.5°	228.9	231.4	233.1	233.9	234.6	235.4	236.1
105°	290.3	291.9	293.1	293.9	294.7	295.5	296.3
107.5°	357.0	357.7	358.1	358.1	358.1	358.0	357.9
110°	403.9	404.6	404.9	404.6	404.3	404.1	403.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	450.4	450.7	450.7	450.2	449.7	449.2	448.8
115°	521.3	521.0	520.8	520.5	520.2	520.0	519.8
117.5°	593.5	593.7	593.3	592.2	591.1	590.1	589.0
120°	641.6	641.6	641.0	640.0	638.9	637.9	636.8
122.5°	688.7	688.5	688.0	687.1	686.3	685.4	684.6
125°	758.3	757.7	757.3	757.1	756.8	756.5	756.3
127.5°	827.9	827.6	827.2	826.6	826.2	825.6	825.1
130°	873.8	873.5	873.1	872.6	872.0	871.5	871.0
132.5°	917.7	917.4	917.0	916.2	915.4	914.7	913.9
135°	985.6	985.6	985.2	984.0	983.0	981.9	980.9
137.5°	1051.9	1052.2	1051.7	1050.4	1049.0	1047.7	1046.3
140°	1093.6	1094.1	1093.7	1092.4	1091.1	1089.7	1088.4
142.5°	1134.0	1134.4	1133.9	1132.5	1131.2	1129.9	1128.5
145°	1192.3	1192.3	1191.9	1191.1	1190.3	1189.5	1188.7
147.5°	1247.3	1247.9	1247.4	1245.5	1243.7	1242.0	1240.2
150°	1280.8	1280.8	1280.5	1279.9	1279.5	1278.9	1278.3
152.5°	1313.3	1313.9	1313.8	1312.8	1311.9	1310.9	1310.0
155°	1359.2	1360.3	1360.2	1358.8	1357.5	1356.1	1354.9
157.5°	1398.7	1399.7	1399.4	1397.6	1395.8	1394.1	1392.3
160°	1422.5	1423.6	1423.5	1422.1	1420.8	1419.5	1418.2
162.5°	1445.2	1446.4	1446.3	1444.8	1443.2	1441.7	1440.1
165°	1475.1	1476.2	1475.9	1474.3	1472.7	1471.2	1469.5
167.5°	1497.9	1499.5	1499.5	1497.9	1496.3	1494.6	1492.9
170°	1511.3	1512.9	1512.8	1510.9	1509.1	1507.2	1505.4
172.5°	1520.9	1522.5	1522.5	1520.8	1519.2	1517.5	1515.9
175°	1531.7	1533.3	1533.1	1531.3	1529.4	1527.6	1525.7
177.5°	1536.2	1537.5	1537.4	1535.9	1534.4	1532.9	1531.4
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2

(END OF REPORT)