

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: P332175-927

Luminaire Tested: **S123DIW-S775D1535U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332175-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIW-S775D1535U927-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1535 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6801.3 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Indirect

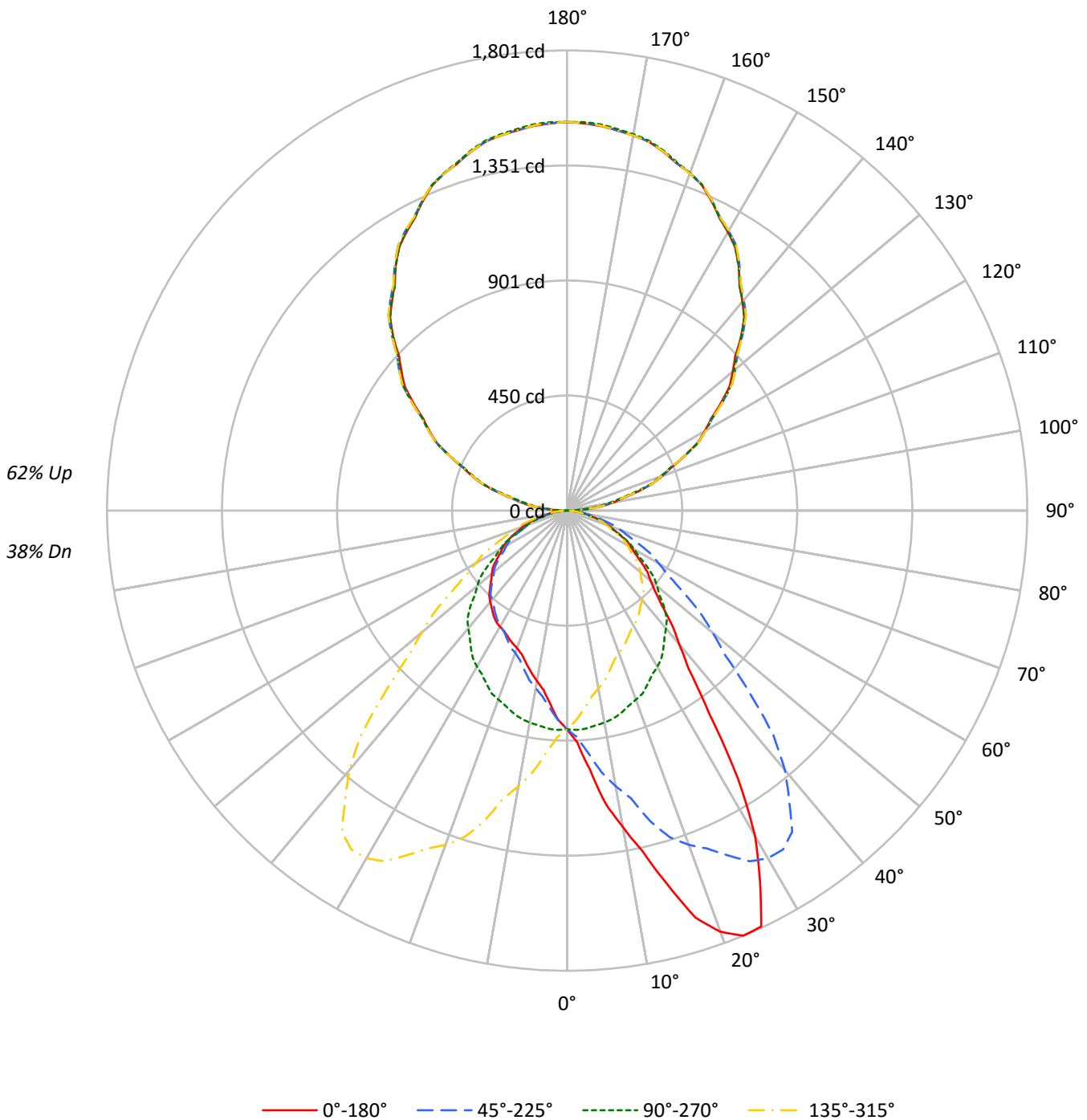
Input Watts (W): 68.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	95	91	87	84	86	83	80	77	67	65	63	53	52	50	40	39	38	32
2	87	80	74	69	79	73	68	63	59	56	53	47	45	42	36	34	33	27
3	79	70	63	58	72	64	58	53	52	48	44	42	39	36	32	30	28	23
4	73	62	55	49	66	57	50	45	47	42	38	37	34	31	28	26	24	20
5	67	55	48	42	60	51	44	39	42	37	33	33	30	27	26	23	21	18
6	61	50	42	36	56	45	39	34	38	32	29	30	26	24	23	21	19	16
7	57	45	37	32	51	41	34	29	34	29	25	27	24	21	21	19	17	14
8	53	41	33	28	48	37	31	26	31	26	22	25	21	19	19	17	15	12
9	49	37	30	25	44	34	28	23	28	23	20	23	19	17	18	15	13	11
10	46	34	27	22	41	31	25	21	26	21	18	21	18	15	17	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9214	9214	9214	9214
5°	10988	9253	8200	9253
10°	13753	9206	7406	9206
15°	16868	9132	6896	9132
20°	20095	9016	6565	9016
25°	21338	8875	6492	8875
30°	18288	8772	6527	8772
35°	12720	8627	6594	8627
40°	9580	8455	6573	8455
45°	7954	8202	6491	8202
50°	7125	7681	6430	7681
55°	6662	7122	6351	7122
60°	6250	6536	6286	6536
65°	5873	5957	6082	5957
70°	5508	5297	5794	5297
75°	4932	4637	5311	4637
80°	4320	3806	4575	3806
85°	3384	2766	3075	2766



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	1.2
10°-20°	270.4	4.0
20°-30°	453.8	6.7
30°-40°	513.8	7.6
40°-50°	460.8	6.8
50°-60°	371.8	5.5
60°-70°	259.1	3.8
70°-80°	136.2	2.0
80°-90°	37.8	0.6
90°-100°	99.1	1.5
100°-110°	296.5	4.4
110°-120°	504.3	7.4
120°-130°	663.4	9.8
130°-140°	745.6	11.0
140°-150°	732.9	10.8
150°-160°	617.0	9.1
160°-170°	410.7	6.0
170°-180°	143.8	2.1
0°-30°	808.5	11.9
0°-40°	1322.3	19.4
0°-60°	2154.9	31.7
0°-90°	2588.0	38.1
90°-120°	899.9	13.2
90°-150°	3041.8	44.7
90°-180°	4213.0	61.9
0°-180°	6801.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	856	856	856	856	856	
5°	1017	856	759	856	1017	105
15°	1514	820	619	820	1514	437
25°	1797	747	547	747	1797	788
35°	968	656	502	656	968	629
45°	522	539	426	539	522	413
55°	355	380	338	380	355	319
65°	231	234	239	234	231	230
75°	119	112	128	112	119	127
85°	27	22	25	22	27	33
90°	36	1	36	1	36	19
95°	93	70	93	70	93	96
105°	284	269	284	269	284	302
115°	509	508	509	508	509	504
125°	735	743	735	743	735	657
135°	963	964	963	964	963	740
145°	1170	1170	1170	1170	1170	730
155°	1337	1339	1337	1339	1337	615
165°	1454	1459	1454	1459	1454	410
175°	1511	1517	1511	1517	1511	144
180°	1521	1521	1521	1521	1521	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	908.4	907.8	906.1	907.4	904.8	901.1	900.8	897.5	887.8	887.2	884.6
5°	1016.9	1013.6	1013.2	1012.7	1006.9	999.1	984.1	982.9	963.0	953.0	941.0
7.5°	1157.4	1159.1	1153.1	1147.8	1130.0	1118.3	1102.3	1081.8	1057.4	1032.6	1016.1
10°	1258.3	1271.9	1255.0	1243.3	1232.6	1212.2	1188.6	1159.1	1129.7	1095.3	1069.1
12.5°	1366.4	1373.2	1369.8	1358.8	1342.0	1311.1	1269.2	1236.8	1209.7	1152.3	1129.2
15°	1513.7	1539.1	1522.9	1485.5	1486.4	1456.9	1402.2	1342.0	1310.1	1259.9	1191.5
17.5°	1670.6	1673.8	1666.9	1635.9	1615.1	1574.6	1524.1	1466.5	1401.8	1341.0	1268.4
20°	1754.3	1751.8	1737.3	1721.1	1685.4	1653.9	1598.8	1534.5	1451.5	1391.8	1312.6
22.5°	1800.7	1796.6	1789.7	1776.2	1746.4	1712.6	1663.1	1592.8	1513.9	1431.6	1340.1
25°	1796.6	1802.0	1802.8	1799.0	1788.7	1768.4	1729.4	1673.4	1594.6	1488.8	1393.4
27.5°	1634.0	1641.6	1663.8	1683.5	1705.4	1727.8	1724.8	1697.0	1638.7	1547.4	1430.8
30°	1471.4	1454.8	1495.9	1547.8	1583.0	1645.2	1680.1	1682.1	1649.3	1571.0	1457.3
32.5°	1245.8	1264.1	1282.2	1346.0	1423.1	1492.9	1562.3	1618.1	1624.4	1572.3	1472.9
35°	968.0	990.8	1024.0	1057.1	1140.1	1211.4	1333.3	1439.5	1524.1	1535.3	1474.3
37.5°	780.0	791.3	812.3	845.5	899.8	984.4	1078.7	1212.9	1335.5	1426.6	1430.6
40°	681.8	685.2	708.8	734.0	778.0	847.7	932.7	1051.3	1198.1	1325.5	1378.6
42.5°	608.2	615.4	625.5	649.7	684.8	737.2	816.3	914.3	1048.8	1195.4	1299.3
45°	522.5	530.8	537.1	553.3	578.1	613.4	668.5	758.1	860.5	1011.9	1151.7
47.5°	466.0	466.7	471.3	483.5	500.4	526.9	565.9	623.4	717.5	840.2	983.7
50°	425.5	432.1	433.8	443.3	456.6	476.1	508.4	557.4	634.5	742.4	874.3
52.5°	397.0	398.9	403.6	410.5	422.1	437.3	465.3	503.7	564.2	656.1	777.4
55°	355.0	355.0	359.6	365.0	371.6	385.2	403.9	432.1	478.2	549.5	649.9
57.5°	316.2	318.2	321.5	323.1	328.8	337.9	353.4	374.9	409.2	464.1	543.8
60°	290.3	294.1	293.7	296.9	301.9	309.0	322.3	339.7	370.3	414.3	481.5
62.5°	267.8	267.5	267.4	271.4	276.4	283.1	291.7	306.8	332.9	371.9	429.0
65°	230.6	229.7	232.7	235.1	236.8	241.8	248.4	261.7	279.1	308.2	352.5
67.5°	197.6	195.2	196.8	197.6	200.4	204.3	210.5	218.7	232.6	255.9	289.3
70°	175.0	172.9	172.5	173.3	175.9	178.7	183.3	191.2	204.1	222.7	247.2
72.5°	151.8	150.4	150.3	152.1	153.3	155.2	158.4	165.6	175.9	189.9	212.7
75°	118.6	118.6	118.6	119.0	120.3	121.9	124.5	128.2	136.0	146.0	161.3
77.5°	88.9	88.8	88.3	88.2	90.1	90.9	91.4	94.9	99.3	106.0	117.2
80°	69.7	67.6	68.4	69.7	70.5	70.9	72.2	73.0	76.8	80.5	88.3
82.5°	51.7	50.0	50.1	52.1	52.3	52.7	53.9	55.1	56.5	59.9	64.1
85°	27.4	27.4	27.8	27.8	28.2	27.8	29.0	29.5	29.5	31.5	34.0
87.5°	17.1	16.3	16.6	16.8	16.4	16.6	16.6	16.8	16.9	17.0	16.6
90°	35.8	35.3	34.8	34.2	33.7	33.0	31.8	30.8	29.7	28.7	25.2
92.5°	48.2	48.6	48.9	49.2	49.5	49.3	48.4	47.5	46.7	45.9	43.9
95°	93.2	93.2	93.2	93.2	93.2	92.6	91.6	90.5	89.4	88.4	86.3
97.5°	143.4	143.5	143.5	143.7	143.8	143.2	142.0	140.8	139.6	138.3	136.8
100°	181.6	181.0	180.5	180.0	179.4	178.8	178.0	177.2	176.4	175.6	174.3
102.5°	220.8	220.9	220.9	221.1	221.2	220.9	220.1	219.3	218.5	217.6	215.9
105°	284.3	283.8	283.3	282.7	282.2	281.9	281.9	281.9	281.9	281.9	279.6
107.5°	350.5	350.8	351.1	351.4	351.7	351.5	350.6	349.8	349.0	348.1	347.1
110°	395.4	395.9	396.5	397.0	397.5	397.3	396.2	395.1	394.1	393.0	392.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	443.1	443.3	443.4	443.5	443.6	443.0	441.7	440.5	439.2	437.9	437.8
115°	508.9	509.1	509.5	509.7	509.9	509.9	509.7	509.5	509.1	508.9	509.5
117.5°	575.5	576.3	577.0	577.7	578.5	578.9	579.0	579.0	579.1	579.2	579.8
120°	622.3	622.9	623.4	624.0	624.5	624.9	625.2	625.4	625.7	626.0	627.2
122.5°	667.3	668.0	668.8	669.6	670.3	671.0	671.7	672.3	673.0	673.8	674.5
125°	734.7	735.7	736.8	737.8	738.9	740.0	741.0	742.1	743.1	744.3	744.7
127.5°	801.8	803.0	804.2	805.5	806.7	808.0	809.5	811.0	812.5	814.0	814.6
130°	845.7	847.6	849.5	851.4	853.2	854.7	855.7	856.7	857.9	858.9	859.7
132.5°	891.6	893.0	894.5	896.0	897.4	898.7	900.0	901.3	902.5	903.8	904.4
135°	962.8	963.4	963.8	964.4	965.0	965.7	966.8	967.9	968.9	970.0	970.3
137.5°	1025.6	1026.7	1027.7	1028.6	1029.7	1030.8	1031.9	1033.0	1034.1	1035.2	1034.5
140°	1066.8	1068.6	1070.5	1072.3	1074.2	1075.2	1075.5	1075.8	1076.0	1076.3	1076.0
142.5°	1108.8	1110.2	1111.7	1113.1	1114.5	1115.4	1115.6	1115.9	1116.2	1116.4	1115.9
145°	1169.5	1170.5	1171.6	1172.7	1173.7	1174.4	1174.6	1174.9	1175.2	1175.4	1174.6
147.5°	1223.4	1225.0	1226.7	1228.3	1229.9	1230.7	1230.7	1230.7	1230.7	1230.7	1229.9
150°	1257.9	1259.5	1261.1	1262.7	1264.2	1265.0	1265.0	1265.0	1265.0	1265.0	1264.5
152.5°	1291.3	1292.7	1294.1	1295.5	1296.9	1297.4	1296.9	1296.5	1296.1	1295.6	1295.3
155°	1336.7	1338.6	1340.5	1342.3	1344.2	1344.6	1343.5	1342.4	1341.4	1340.3	1340.1
157.5°	1378.1	1379.5	1381.0	1382.5	1384.0	1384.2	1383.1	1382.0	1380.9	1379.7	1379.5
160°	1404.8	1405.9	1406.9	1408.0	1409.1	1408.9	1407.6	1406.3	1404.9	1403.6	1403.6
162.5°	1424.9	1426.6	1428.3	1430.0	1431.7	1431.9	1430.5	1429.2	1427.9	1426.6	1426.3
165°	1453.8	1455.6	1457.5	1459.4	1461.3	1461.3	1459.8	1458.2	1456.6	1455.0	1455.0
167.5°	1478.4	1480.0	1481.7	1483.4	1484.9	1484.9	1483.4	1481.7	1480.0	1478.4	1478.2
170°	1490.8	1492.7	1494.5	1496.4	1498.3	1498.3	1496.4	1494.5	1492.7	1490.8	1490.8
172.5°	1500.4	1502.2	1504.1	1505.9	1507.8	1507.9	1506.3	1504.6	1503.0	1501.3	1501.3
175°	1511.2	1513.0	1514.8	1516.7	1518.5	1518.7	1517.1	1515.5	1513.9	1512.4	1512.4
177.5°	1516.9	1518.4	1519.8	1521.3	1522.8	1522.9	1521.6	1520.4	1519.1	1517.8	1517.8
180°	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	882.5	879.9	877.2	872.6	868.6	862.9	861.3	859.3	853.3	848.0	844.1
5°	936.4	926.5	912.0	898.7	888.0	873.4	865.1	856.4	844.0	832.7	823.6
7.5°	992.8	973.3	950.7	926.3	903.6	881.7	864.0	848.3	830.8	814.4	801.5
10°	1037.6	1009.4	977.9	943.9	914.9	886.7	863.0	842.3	819.9	800.4	784.3
12.5°	1088.7	1046.9	1003.5	962.2	927.8	888.7	860.1	833.7	808.3	784.8	766.7
15°	1149.2	1096.1	1044.7	987.9	935.6	886.7	852.7	819.5	790.0	766.0	742.8
17.5°	1204.3	1144.1	1076.3	1007.3	944.2	886.2	838.6	801.1	764.2	734.8	711.7
20°	1235.5	1167.0	1090.3	1018.6	948.9	884.2	831.9	787.1	747.3	716.2	690.1
22.5°	1262.3	1182.3	1102.9	1026.2	948.6	878.8	819.7	773.6	730.4	700.0	672.2
25°	1290.2	1194.4	1114.8	1024.8	938.1	865.9	799.5	747.3	704.2	668.5	639.9
27.5°	1314.1	1193.6	1099.1	1002.3	921.7	849.4	778.5	722.5	676.7	637.9	608.9
30°	1330.0	1195.2	1082.8	987.1	905.8	831.1	762.2	705.8	657.7	618.4	591.0
32.5°	1340.0	1194.2	1067.9	965.8	880.5	814.5	744.7	686.3	636.8	598.1	571.7
35°	1345.8	1186.9	1042.2	921.9	839.8	775.5	717.1	656.5	604.7	568.5	538.8
37.5°	1334.2	1171.6	1012.3	879.6	789.7	726.4	677.2	625.7	576.1	536.3	510.6
40°	1315.9	1161.7	989.1	849.8	755.2	694.3	652.4	601.7	552.8	515.1	491.0
42.5°	1281.0	1141.4	963.5	816.6	719.4	658.4	619.9	577.6	531.2	495.8	471.8
45°	1196.0	1097.3	925.3	766.8	666.5	603.4	569.4	538.8	496.9	462.4	441.6
47.5°	1078.1	1031.1	869.8	714.3	611.2	550.6	515.2	490.5	459.9	432.1	412.3
50°	996.2	976.7	832.3	678.5	574.4	515.1	481.1	458.7	436.7	408.9	390.7
52.5°	901.6	913.6	788.5	641.4	536.9	478.6	446.6	428.8	408.8	386.0	370.1
55°	768.5	812.0	712.9	578.9	481.1	425.5	395.2	379.5	367.9	350.9	337.2
57.5°	643.8	699.3	631.1	514.7	426.3	378.3	349.3	332.1	324.6	315.8	305.0
60°	569.8	624.6	572.7	471.5	389.4	343.8	318.1	303.6	296.1	289.9	280.7
62.5°	503.8	559.2	515.6	427.8	353.2	310.9	288.6	274.4	268.5	265.3	257.5
65°	413.0	460.7	431.7	359.6	301.5	264.2	243.8	233.9	228.5	227.3	222.3
67.5°	336.2	372.5	351.3	298.3	252.5	220.3	203.0	194.6	190.4	190.0	186.3
70°	285.7	319.7	303.6	255.5	216.1	190.8	175.9	168.3	165.9	165.5	163.4
72.5°	246.6	270.3	257.5	217.3	186.9	163.9	153.0	145.1	142.4	142.9	141.5
75°	182.4	200.3	192.8	165.1	140.6	125.6	116.5	111.5	109.1	110.4	108.7
77.5°	131.3	142.6	135.9	116.6	101.6	90.7	84.1	81.0	78.7	78.7	77.9
80°	99.1	105.8	102.0	90.4	78.0	68.8	63.5	61.4	60.1	59.7	59.3
82.5°	70.6	76.2	71.9	63.8	55.4	49.9	46.9	44.1	43.3	43.5	43.0
85°	35.6	37.7	36.0	31.1	27.8	25.3	23.6	22.4	21.5	21.9	21.2
87.5°	16.6	16.2	14.6	12.7	11.5	9.9	9.4	8.2	8.1	8.6	8.8
90°	21.8	18.3	14.9	11.8	9.2	6.5	3.9	1.2	3.9	6.5	9.2
92.5°	41.9	40.0	38.0	36.1	34.3	32.5	30.7	28.9	30.7	32.5	34.3
95°	84.1	82.0	79.9	78.0	76.0	74.2	72.3	70.5	72.3	74.2	76.0
97.5°	135.2	133.7	132.1	130.7	129.4	127.9	126.6	125.2	126.6	127.9	129.4
100°	172.9	171.6	170.3	168.8	167.2	165.6	164.1	162.5	164.1	165.6	167.2
102.5°	214.1	212.4	210.6	209.3	208.3	207.4	206.4	205.5	206.4	207.4	208.3
105°	277.1	274.7	272.4	270.9	270.4	269.8	269.3	268.8	269.3	269.8	270.4
107.5°	346.2	345.2	344.3	343.6	343.3	343.0	342.7	342.4	342.7	343.0	343.3
110°	392.0	391.4	390.9	390.4	389.8	389.3	388.8	388.2	388.8	389.3	389.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	437.7	437.6	437.5	437.3	437.0	436.7	436.3	436.0	436.3	436.7	437.0
115°	509.9	510.5	511.0	510.9	510.1	509.3	508.5	507.7	508.5	509.3	510.1
117.5°	580.5	581.2	581.9	581.9	581.5	580.9	580.4	579.9	580.4	580.9	581.5
120°	628.6	629.9	631.3	631.1	629.5	628.0	626.4	624.8	626.4	628.0	629.5
122.5°	675.1	675.8	676.5	676.3	675.1	673.9	672.7	671.6	672.7	673.9	675.1
125°	745.3	745.8	746.3	746.2	745.4	744.7	743.8	743.0	743.8	744.7	745.4
127.5°	815.2	815.7	816.3	815.8	814.0	812.4	810.6	809.0	810.6	812.4	814.0
130°	860.5	861.3	862.1	861.4	859.3	857.1	855.1	852.9	855.1	857.1	859.3
132.5°	905.0	905.5	906.2	905.4	903.2	901.1	899.0	896.9	899.0	901.1	903.2
135°	970.5	970.8	971.1	970.4	968.8	967.2	965.6	964.0	965.6	967.2	968.8
137.5°	1033.8	1033.2	1032.5	1031.4	1030.2	1028.8	1027.5	1026.1	1027.5	1028.8	1030.2
140°	1075.8	1075.5	1075.2	1074.4	1073.1	1071.8	1070.5	1069.1	1070.5	1071.8	1073.1
142.5°	1115.5	1115.0	1114.5	1113.6	1112.3	1111.0	1109.6	1108.3	1109.6	1111.0	1112.3
145°	1173.9	1173.1	1172.3	1171.6	1171.1	1170.5	1170.1	1169.5	1170.1	1170.5	1171.1
147.5°	1229.2	1228.4	1227.6	1226.9	1225.9	1224.9	1223.9	1223.0	1223.9	1224.9	1225.9
150°	1264.0	1263.5	1262.9	1262.4	1261.9	1261.3	1260.8	1260.3	1260.8	1261.3	1261.9
152.5°	1295.0	1294.7	1294.3	1293.8	1293.1	1292.4	1291.6	1290.9	1291.6	1292.4	1293.1
155°	1339.7	1339.5	1339.3	1339.1	1339.1	1339.1	1339.1	1339.1	1339.1	1339.1	1339.1
157.5°	1379.3	1379.1	1378.9	1379.0	1379.3	1379.6	1379.9	1380.2	1379.9	1379.6	1379.3
160°	1403.6	1403.6	1403.6	1403.9	1404.4	1404.9	1405.5	1406.0	1405.5	1404.9	1404.4
162.5°	1426.2	1425.9	1425.7	1426.0	1426.7	1427.4	1428.2	1428.9	1428.2	1427.4	1426.7
165°	1455.0	1455.0	1455.0	1455.4	1456.2	1457.0	1457.8	1458.6	1457.8	1457.0	1456.2
167.5°	1478.0	1477.7	1477.6	1478.0	1479.0	1480.1	1481.1	1482.3	1481.1	1480.1	1479.0
170°	1490.8	1490.8	1490.8	1491.4	1492.4	1493.5	1494.5	1495.6	1494.5	1493.5	1492.4
172.5°	1501.3	1501.3	1501.3	1501.9	1502.9	1504.0	1505.1	1506.1	1505.1	1504.0	1502.9
175°	1512.4	1512.4	1512.4	1512.8	1513.9	1515.0	1516.1	1517.1	1516.1	1515.0	1513.9
177.5°	1517.8	1517.8	1517.8	1518.2	1519.1	1520.0	1520.8	1521.6	1520.8	1520.0	1519.1
180°	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	841.7	839.4	836.1	831.1	827.1	820.8	820.8	821.8	821.8	821.5	820.8
5°	816.2	809.9	802.5	793.8	784.7	775.5	773.9	770.6	768.1	766.4	764.3
7.5°	789.3	778.2	767.3	755.1	744.0	734.8	728.4	723.1	719.7	716.1	713.4
10°	771.0	757.2	744.4	731.6	717.5	706.3	699.3	694.3	690.5	687.2	685.6
12.5°	749.4	733.7	719.5	707.3	691.9	680.4	673.7	671.4	666.9	660.0	656.3
15°	717.9	703.4	686.3	667.7	660.2	646.1	638.3	634.5	632.0	626.6	625.0
17.5°	690.9	671.9	652.8	638.9	625.0	613.6	609.2	604.6	601.3	596.8	595.6
20°	669.4	652.4	634.9	620.0	605.5	593.0	589.3	586.0	582.7	580.6	578.9
22.5°	647.5	630.5	616.0	602.1	586.6	578.5	574.4	570.8	568.4	567.0	565.4
25°	616.7	601.7	585.6	573.1	560.7	555.3	552.8	550.7	549.1	547.0	546.6
27.5°	589.1	572.9	559.8	548.2	539.2	534.7	532.3	531.3	531.7	532.4	532.9
30°	568.5	553.7	542.9	532.9	524.7	520.5	520.1	520.1	521.7	522.1	523.0
32.5°	549.7	537.4	526.6	517.0	510.7	507.9	509.5	509.5	510.8	511.8	513.3
35°	522.1	511.4	503.0	494.8	489.4	490.6	491.5	492.3	494.3	496.9	498.5
37.5°	495.8	486.5	477.8	471.3	468.9	471.1	473.1	474.8	477.3	479.2	480.9
40°	476.9	469.8	461.6	455.7	456.6	457.9	459.5	461.6	463.7	464.9	466.6
42.5°	459.3	451.9	445.7	440.8	442.0	443.6	444.6	445.7	448.1	450.3	451.3
45°	432.5	426.7	421.0	418.0	418.9	419.7	420.5	421.8	423.8	425.5	426.0
47.5°	402.4	398.4	394.5	391.7	393.0	392.7	393.7	396.4	397.0	398.1	400.4
50°	383.2	379.5	374.9	374.1	374.1	374.1	374.5	377.8	377.8	379.5	381.1
52.5°	361.9	359.6	356.6	355.1	354.5	354.5	356.2	357.9	358.5	360.9	362.6
55°	330.5	328.0	325.6	324.3	323.4	324.3	327.6	328.4	330.5	331.8	333.0
57.5°	297.8	295.9	293.9	293.2	293.0	294.1	296.0	298.4	299.0	302.8	304.7
60°	276.2	273.3	271.6	271.6	270.8	274.6	273.7	277.9	278.7	281.1	284.1
62.5°	254.0	250.1	249.4	249.4	250.6	251.7	252.8	254.6	256.8	259.9	262.2
65°	218.2	216.1	219.0	218.6	217.7	220.2	220.2	222.3	224.7	227.7	232.3
67.5°	184.2	183.2	183.4	183.4	184.7	186.1	187.2	189.0	192.0	195.1	198.0
70°	161.3	162.6	160.5	162.2	163.4	163.8	164.6	167.2	170.5	172.5	175.9
72.5°	139.1	139.0	139.3	139.9	141.2	141.9	142.8	145.6	149.2	151.0	153.6
75°	107.0	106.5	107.8	107.8	109.9	110.7	111.5	112.8	116.1	118.6	120.6
77.5°	78.1	78.7	78.3	79.8	79.2	79.4	81.9	83.2	83.5	88.4	89.5
80°	58.9	59.7	60.1	60.5	61.0	60.1	63.1	64.2	64.2	67.2	69.2
82.5°	42.3	42.8	43.9	44.3	44.4	45.2	45.5	46.3	47.4	48.6	51.3
85°	21.2	22.4	22.8	22.4	22.8	21.9	23.2	23.6	24.1	24.1	24.1
87.5°	9.0	9.9	10.3	11.3	11.6	12.7	12.9	12.4	12.7	13.9	12.8
90°	11.8	14.9	18.3	21.8	25.2	28.7	29.7	30.8	31.8	33.0	33.7
92.5°	36.1	38.0	40.0	41.9	43.9	45.9	46.7	47.5	48.4	49.3	49.5
95°	78.0	79.9	82.0	84.1	86.3	88.4	89.4	90.5	91.6	92.6	93.2
97.5°	130.7	132.1	133.7	135.2	136.8	138.3	139.6	140.8	142.0	143.2	143.8
100°	168.8	170.3	171.6	172.9	174.3	175.6	176.4	177.2	178.0	178.8	179.4
102.5°	209.3	210.6	212.4	214.1	215.9	217.6	218.5	219.3	220.1	220.9	221.2
105°	270.9	272.4	274.7	277.1	279.6	281.9	281.9	281.9	281.9	281.9	282.2
107.5°	343.6	344.3	345.2	346.2	347.1	348.1	349.0	349.8	350.6	351.5	351.7
110°	390.4	390.9	391.4	392.0	392.4	393.0	394.1	395.1	396.2	397.3	397.5



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	437.3	437.5	437.6	437.7	437.8	437.9	439.2	440.5	441.7	443.0	443.6
115°	510.9	511.0	510.5	509.9	509.5	508.9	509.1	509.5	509.7	509.9	509.9
117.5°	581.9	581.9	581.2	580.5	579.8	579.2	579.1	579.0	579.0	578.9	578.5
120°	631.1	631.3	629.9	628.6	627.2	626.0	625.7	625.4	625.2	624.9	624.5
122.5°	676.3	676.5	675.8	675.1	674.5	673.8	673.0	672.3	671.7	671.0	670.3
125°	746.2	746.3	745.8	745.3	744.7	744.3	743.1	742.1	741.0	740.0	738.9
127.5°	815.8	816.3	815.7	815.2	814.6	814.0	812.5	811.0	809.5	808.0	806.7
130°	861.4	862.1	861.3	860.5	859.7	858.9	857.9	856.7	855.7	854.7	853.2
132.5°	905.4	906.2	905.5	905.0	904.4	903.8	902.5	901.3	900.0	898.7	897.4
135°	970.4	971.1	970.8	970.5	970.3	970.0	968.9	967.9	966.8	965.7	965.0
137.5°	1031.4	1032.5	1033.2	1033.8	1034.5	1035.2	1034.1	1033.0	1031.9	1030.8	1029.7
140°	1074.4	1075.2	1075.5	1075.8	1076.0	1076.3	1076.0	1075.8	1075.5	1075.2	1074.2
142.5°	1113.6	1114.5	1115.0	1115.5	1115.9	1116.4	1116.2	1115.9	1115.6	1115.4	1114.5
145°	1171.6	1172.3	1173.1	1173.9	1174.6	1175.4	1175.2	1174.9	1174.6	1174.4	1173.7
147.5°	1226.9	1227.6	1228.4	1229.2	1229.9	1230.7	1230.7	1230.7	1230.7	1230.7	1229.9
150°	1262.4	1262.9	1263.5	1264.0	1264.5	1265.0	1265.0	1265.0	1265.0	1265.0	1264.2
152.5°	1293.8	1294.3	1294.7	1295.0	1295.3	1295.6	1296.1	1296.5	1296.9	1297.4	1296.9
155°	1339.1	1339.3	1339.5	1339.7	1340.1	1340.3	1341.4	1342.4	1343.5	1344.6	1344.2
157.5°	1379.0	1378.9	1379.1	1379.3	1379.5	1379.7	1380.9	1382.0	1383.1	1384.2	1384.0
160°	1403.9	1403.6	1403.6	1403.6	1403.6	1403.6	1404.9	1406.3	1407.6	1408.9	1409.1
162.5°	1426.0	1425.7	1425.9	1426.2	1426.3	1426.6	1427.9	1429.2	1430.5	1431.9	1431.7
165°	1455.4	1455.0	1455.0	1455.0	1455.0	1455.0	1456.6	1458.2	1459.8	1461.3	1461.3
167.5°	1478.0	1477.6	1477.7	1478.0	1478.2	1478.4	1480.0	1481.7	1483.4	1484.9	1484.9
170°	1491.4	1490.8	1490.8	1490.8	1490.8	1490.8	1492.7	1494.5	1496.4	1498.3	1498.3
172.5°	1501.9	1501.3	1501.3	1501.3	1501.3	1501.3	1503.0	1504.6	1506.3	1507.9	1507.8
175°	1512.8	1512.4	1512.4	1512.4	1512.4	1512.4	1513.9	1515.5	1517.1	1518.7	1518.5
177.5°	1518.2	1517.8	1517.8	1517.8	1517.8	1517.8	1519.1	1520.4	1521.6	1522.9	1522.8
180°	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7



TEST NUMBER: P332175-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	818.5	818.2	820.5	818.8	820.5	818.2	818.5	820.8	821.5	821.8	821.8
5°	761.8	763.1	758.9	758.9	758.9	763.1	761.8	764.3	766.4	768.1	770.6
7.5°	711.4	709.6	709.7	707.5	709.7	709.6	711.4	713.4	716.1	719.7	723.1
10°	680.6	678.1	677.2	677.6	677.2	678.1	680.6	685.6	687.2	690.5	694.3
12.5°	655.0	654.5	649.0	649.1	649.0	654.5	655.0	656.3	660.0	666.9	671.4
15°	625.0	617.1	616.2	618.8	616.2	617.1	625.0	625.0	626.6	632.0	634.5
17.5°	594.8	590.7	591.0	589.7	591.0	590.7	594.8	595.6	596.8	601.3	604.6
20°	578.9	576.5	576.1	573.1	576.1	576.5	578.9	578.9	580.6	582.7	586.0
22.5°	564.4	563.6	563.8	560.5	563.8	563.6	564.4	565.4	567.0	568.4	570.8
25°	546.2	548.3	546.6	546.6	546.6	548.3	546.2	546.6	547.0	549.1	550.7
27.5°	533.9	533.9	533.0	533.0	533.0	533.9	533.9	532.9	532.4	531.7	531.3
30°	524.7	524.2	525.1	525.1	525.1	524.2	524.7	523.0	522.1	521.7	520.1
32.5°	515.3	515.9	516.1	516.4	516.1	515.9	515.3	513.3	511.8	510.8	509.5
35°	501.0	501.4	502.6	501.8	502.6	501.4	501.0	498.5	496.9	494.3	492.3
37.5°	481.6	483.5	483.1	483.7	483.1	483.5	481.6	480.9	479.2	477.3	474.8
40°	467.0	468.3	467.8	467.8	467.8	468.3	467.0	466.6	464.9	463.7	461.6
42.5°	452.0	453.0	451.9	451.2	451.9	453.0	452.0	451.3	450.3	448.1	445.7
45°	427.5	426.7	428.0	426.4	428.0	426.7	427.5	426.0	425.5	423.8	421.8
47.5°	400.2	401.0	401.4	402.6	401.4	401.0	400.2	400.4	398.1	397.0	396.4
50°	382.0	384.4	384.4	384.0	384.4	384.4	382.0	381.1	379.5	377.8	377.8
52.5°	364.0	365.2	366.9	366.8	366.9	365.2	364.0	362.6	360.9	358.5	357.9
55°	336.4	337.2	338.0	338.4	338.0	337.2	336.4	333.0	331.8	330.5	328.4
57.5°	307.6	307.3	309.3	309.9	309.3	307.3	307.6	304.7	302.8	299.0	298.4
60°	287.4	287.4	290.7	292.0	290.7	287.4	287.4	284.1	281.1	278.7	277.9
62.5°	265.9	267.2	270.5	268.7	270.5	267.2	265.9	262.2	259.9	256.8	254.6
65°	234.3	237.7	237.3	238.8	237.3	237.7	234.3	232.3	227.7	224.7	222.3
67.5°	201.4	203.4	206.4	206.7	206.4	203.4	201.4	198.0	195.1	192.0	189.0
70°	179.2	181.3	182.9	184.1	182.9	181.3	179.2	175.9	172.5	170.5	167.2
72.5°	157.6	158.7	162.6	160.9	162.6	158.7	157.6	153.6	151.0	149.2	145.6
75°	123.6	126.5	129.0	127.7	129.0	126.5	123.6	120.6	118.6	116.1	112.8
77.5°	91.4	94.3	95.5	94.4	95.5	94.3	91.4	89.5	88.4	83.5	83.2
80°	72.2	71.8	74.2	73.8	74.2	71.8	72.2	69.2	67.2	64.2	64.2
82.5°	52.9	52.5	53.6	53.9	53.6	52.5	52.9	51.3	48.6	47.4	46.3
85°	25.7	26.9	25.3	24.9	25.3	26.9	25.7	24.1	24.1	24.1	23.6
87.5°	12.8	12.9	12.7	12.4	12.7	12.9	12.8	12.8	13.9	12.7	12.4
90°	34.2	34.8	35.3	35.8	35.3	34.8	34.2	33.7	33.0	31.8	30.8
92.5°	49.2	48.9	48.6	48.2	48.6	48.9	49.2	49.5	49.3	48.4	47.5
95°	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	92.6	91.6	90.5
97.5°	143.7	143.5	143.5	143.4	143.5	143.5	143.7	143.8	143.2	142.0	140.8
100°	180.0	180.5	181.0	181.6	181.0	180.5	180.0	179.4	178.8	178.0	177.2
102.5°	221.1	220.9	220.9	220.8	220.9	220.9	221.1	221.2	220.9	220.1	219.3
105°	282.7	283.3	283.8	284.3	283.8	283.3	282.7	282.2	281.9	281.9	281.9
107.5°	351.4	351.1	350.8	350.5	350.8	351.1	351.4	351.7	351.5	350.6	349.8
110°	397.0	396.5	395.9	395.4	395.9	396.5	397.0	397.5	397.3	396.2	395.1



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	443.5	443.4	443.3	443.1	443.3	443.4	443.5	443.6	443.0	441.7	440.5
115°	509.7	509.5	509.1	508.9	509.1	509.5	509.7	509.9	509.9	509.7	509.5
117.5°	577.7	577.0	576.3	575.5	576.3	577.0	577.7	578.5	578.9	579.0	579.0
120°	624.0	623.4	622.9	622.3	622.9	623.4	624.0	624.5	624.9	625.2	625.4
122.5°	669.6	668.8	668.0	667.3	668.0	668.8	669.6	670.3	671.0	671.7	672.3
125°	737.8	736.8	735.7	734.7	735.7	736.8	737.8	738.9	740.0	741.0	742.1
127.5°	805.5	804.2	803.0	801.8	803.0	804.2	805.5	806.7	808.0	809.5	811.0
130°	851.4	849.5	847.6	845.7	847.6	849.5	851.4	853.2	854.7	855.7	856.7
132.5°	896.0	894.5	893.0	891.6	893.0	894.5	896.0	897.4	898.7	900.0	901.3
135°	964.4	963.8	963.4	962.8	963.4	963.8	964.4	965.0	965.7	966.8	967.9
137.5°	1028.6	1027.7	1026.7	1025.6	1026.7	1027.7	1028.6	1029.7	1030.8	1031.9	1033.0
140°	1072.3	1070.5	1068.6	1066.8	1068.6	1070.5	1072.3	1074.2	1075.2	1075.5	1075.8
142.5°	1113.1	1111.7	1110.2	1108.8	1110.2	1111.7	1113.1	1114.5	1115.4	1115.6	1115.9
145°	1172.7	1171.6	1170.5	1169.5	1170.5	1171.6	1172.7	1173.7	1174.4	1174.6	1174.9
147.5°	1228.3	1226.7	1225.0	1223.4	1225.0	1226.7	1228.3	1229.9	1230.7	1230.7	1230.7
150°	1262.7	1261.1	1259.5	1257.9	1259.5	1261.1	1262.7	1264.2	1265.0	1265.0	1265.0
152.5°	1295.5	1294.1	1292.7	1291.3	1292.7	1294.1	1295.5	1296.9	1297.4	1296.9	1296.5
155°	1342.3	1340.5	1338.6	1336.7	1338.6	1340.5	1342.3	1344.2	1344.6	1343.5	1342.4
157.5°	1382.5	1381.0	1379.5	1378.1	1379.5	1381.0	1382.5	1384.0	1384.2	1383.1	1382.0
160°	1408.0	1406.9	1405.9	1404.8	1405.9	1406.9	1408.0	1409.1	1408.9	1407.6	1406.3
162.5°	1430.0	1428.3	1426.6	1424.9	1426.6	1428.3	1430.0	1431.7	1431.9	1430.5	1429.2
165°	1459.4	1457.5	1455.6	1453.8	1455.6	1457.5	1459.4	1461.3	1461.3	1459.8	1458.2
167.5°	1483.4	1481.7	1480.0	1478.4	1480.0	1481.7	1483.4	1484.9	1484.9	1483.4	1481.7
170°	1496.4	1494.5	1492.7	1490.8	1492.7	1494.5	1496.4	1498.3	1498.3	1496.4	1494.5
172.5°	1505.9	1504.1	1502.2	1500.4	1502.2	1504.1	1505.9	1507.8	1507.9	1506.3	1504.6
175°	1516.7	1514.8	1513.0	1511.2	1513.0	1514.8	1516.7	1518.5	1518.7	1517.1	1515.5
177.5°	1521.3	1519.8	1518.4	1516.9	1518.4	1519.8	1521.3	1522.8	1522.9	1521.6	1520.4
180°	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	820.8	820.8	827.1	831.1	836.1	839.4	841.7	844.1	848.0	853.3	859.3
5°	773.9	775.5	784.7	793.8	802.5	809.9	816.2	823.6	832.7	844.0	856.4
7.5°	728.4	734.8	744.0	755.1	767.3	778.2	789.3	801.5	814.4	830.8	848.3
10°	699.3	706.3	717.5	731.6	744.4	757.2	771.0	784.3	800.4	819.9	842.3
12.5°	673.7	680.4	691.9	707.3	719.5	733.7	749.4	766.7	784.8	808.3	833.7
15°	638.3	646.1	660.2	667.7	686.3	703.4	717.9	742.8	766.0	790.0	819.5
17.5°	609.2	613.6	625.0	638.9	652.8	671.9	690.9	711.7	734.8	764.2	801.1
20°	589.3	593.0	605.5	620.0	634.9	652.4	669.4	690.1	716.2	747.3	787.1
22.5°	574.4	578.5	586.6	602.1	616.0	630.5	647.5	672.2	700.0	730.4	773.6
25°	552.8	555.3	560.7	573.1	585.6	601.7	616.7	639.9	668.5	704.2	747.3
27.5°	532.3	534.7	539.2	548.2	559.8	572.9	589.1	608.9	637.9	676.7	722.5
30°	520.1	520.5	524.7	532.9	542.9	553.7	568.5	591.0	618.4	657.7	705.8
32.5°	509.5	507.9	510.7	517.0	526.6	537.4	549.7	571.7	598.1	636.8	686.3
35°	491.5	490.6	489.4	494.8	503.0	511.4	522.1	538.8	568.5	604.7	656.5
37.5°	473.1	471.1	468.9	471.3	477.8	486.5	495.8	510.6	536.3	576.1	625.7
40°	459.5	457.9	456.6	455.7	461.6	469.8	476.9	491.0	515.1	552.8	601.7
42.5°	444.6	443.6	442.0	440.8	445.7	451.9	459.3	471.8	495.8	531.2	577.6
45°	420.5	419.7	418.9	418.0	421.0	426.7	432.5	441.6	462.4	496.9	538.8
47.5°	393.7	392.7	393.0	391.7	394.5	398.4	402.4	412.3	432.1	459.9	490.5
50°	374.5	374.1	374.1	374.1	374.9	379.5	383.2	390.7	408.9	436.7	458.7
52.5°	356.2	354.5	354.5	355.1	356.6	359.6	361.9	370.1	386.0	408.8	428.8
55°	327.6	324.3	323.4	324.3	325.6	328.0	330.5	337.2	350.9	367.9	379.5
57.5°	296.0	294.1	293.0	293.2	293.9	295.9	297.8	305.0	315.8	324.6	332.1
60°	273.7	274.6	270.8	271.6	271.6	273.3	276.2	280.7	289.9	296.1	303.6
62.5°	252.8	251.7	250.6	249.4	249.4	250.1	254.0	257.5	265.3	268.5	274.4
65°	220.2	220.2	217.7	218.6	219.0	216.1	218.2	222.3	227.3	228.5	233.9
67.5°	187.2	186.1	184.7	183.4	183.4	183.2	184.2	186.3	190.0	190.4	194.6
70°	164.6	163.8	163.4	162.2	160.5	162.6	161.3	163.4	165.5	165.9	168.3
72.5°	142.8	141.9	141.2	139.9	139.3	139.0	139.1	141.5	142.9	142.4	145.1
75°	111.5	110.7	109.9	107.8	107.8	106.5	107.0	108.7	110.4	109.1	111.5
77.5°	81.9	79.4	79.2	79.8	78.3	78.7	78.1	77.9	78.7	78.7	81.0
80°	63.1	60.1	61.0	60.5	60.1	59.7	58.9	59.3	59.7	60.1	61.4
82.5°	45.5	45.2	44.4	44.3	43.9	42.8	42.3	43.0	43.5	43.3	44.1
85°	23.2	21.9	22.8	22.4	22.8	22.4	21.2	21.2	21.9	21.5	22.4
87.5°	12.9	12.7	11.6	11.3	10.3	9.9	9.0	8.8	8.6	8.1	8.2
90°	29.7	28.7	25.2	21.8	18.3	14.9	11.8	9.2	6.5	3.9	1.2
92.5°	46.7	45.9	43.9	41.9	40.0	38.0	36.1	34.3	32.5	30.7	28.9
95°	89.4	88.4	86.3	84.1	82.0	79.9	78.0	76.0	74.2	72.3	70.5
97.5°	139.6	138.3	136.8	135.2	133.7	132.1	130.7	129.4	127.9	126.6	125.2
100°	176.4	175.6	174.3	172.9	171.6	170.3	168.8	167.2	165.6	164.1	162.5
102.5°	218.5	217.6	215.9	214.1	212.4	210.6	209.3	208.3	207.4	206.4	205.5
105°	281.9	281.9	279.6	277.1	274.7	272.4	270.9	270.4	269.8	269.3	268.8
107.5°	349.0	348.1	347.1	346.2	345.2	344.3	343.6	343.3	343.0	342.7	342.4
110°	394.1	393.0	392.4	392.0	391.4	390.9	390.4	389.8	389.3	388.8	388.2



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	439.2	437.9	437.8	437.7	437.6	437.5	437.3	437.0	436.7	436.3	436.0
115°	509.1	508.9	509.5	509.9	510.5	511.0	510.9	510.1	509.3	508.5	507.7
117.5°	579.1	579.2	579.8	580.5	581.2	581.9	581.9	581.5	580.9	580.4	579.9
120°	625.7	626.0	627.2	628.6	629.9	631.3	631.1	629.5	628.0	626.4	624.8
122.5°	673.0	673.8	674.5	675.1	675.8	676.5	676.3	675.1	673.9	672.7	671.6
125°	743.1	744.3	744.7	745.3	745.8	746.3	746.2	745.4	744.7	743.8	743.0
127.5°	812.5	814.0	814.6	815.2	815.7	816.3	815.8	814.0	812.4	810.6	809.0
130°	857.9	858.9	859.7	860.5	861.3	862.1	861.4	859.3	857.1	855.1	852.9
132.5°	902.5	903.8	904.4	905.0	905.5	906.2	905.4	903.2	901.1	899.0	896.9
135°	968.9	970.0	970.3	970.5	970.8	971.1	970.4	968.8	967.2	965.6	964.0
137.5°	1034.1	1035.2	1034.5	1033.8	1033.2	1032.5	1031.4	1030.2	1028.8	1027.5	1026.1
140°	1076.0	1076.3	1076.0	1075.8	1075.5	1075.2	1074.4	1073.1	1071.8	1070.5	1069.1
142.5°	1116.2	1116.4	1115.9	1115.5	1115.0	1114.5	1113.6	1112.3	1111.0	1109.6	1108.3
145°	1175.2	1175.4	1174.6	1173.9	1173.1	1172.3	1171.6	1171.1	1170.5	1170.1	1169.5
147.5°	1230.7	1230.7	1229.9	1229.2	1228.4	1227.6	1226.9	1225.9	1224.9	1223.9	1223.0
150°	1265.0	1265.0	1264.5	1264.0	1263.5	1262.9	1262.4	1261.9	1261.3	1260.8	1260.3
152.5°	1296.1	1295.6	1295.3	1295.0	1294.7	1294.3	1293.8	1293.1	1292.4	1291.6	1290.9
155°	1341.4	1340.3	1340.1	1339.7	1339.5	1339.3	1339.1	1339.1	1339.1	1339.1	1339.1
157.5°	1380.9	1379.7	1379.5	1379.3	1379.1	1378.9	1379.0	1379.3	1379.6	1379.9	1380.2
160°	1404.9	1403.6	1403.6	1403.6	1403.6	1403.6	1403.9	1404.4	1404.9	1405.5	1406.0
162.5°	1427.9	1426.6	1426.3	1426.2	1425.9	1425.7	1426.0	1426.7	1427.4	1428.2	1428.9
165°	1456.6	1455.0	1455.0	1455.0	1455.0	1455.0	1455.4	1456.2	1457.0	1457.8	1458.6
167.5°	1480.0	1478.4	1478.2	1478.0	1477.7	1477.6	1478.0	1479.0	1480.1	1481.1	1482.3
170°	1492.7	1490.8	1490.8	1490.8	1490.8	1490.8	1491.4	1492.4	1493.5	1494.5	1495.6
172.5°	1503.0	1501.3	1501.3	1501.3	1501.3	1501.3	1501.9	1502.9	1504.0	1505.1	1506.1
175°	1513.9	1512.4	1512.4	1512.4	1512.4	1512.4	1512.8	1513.9	1515.0	1516.1	1517.1
177.5°	1519.1	1517.8	1517.8	1517.8	1517.8	1517.8	1518.2	1519.1	1520.0	1520.8	1521.6
180°	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	861.3	862.9	868.6	872.6	877.2	879.9	882.5	884.6	887.2	887.8	897.5
5°	865.1	873.4	888.0	898.7	912.0	926.5	936.4	941.0	953.0	963.0	982.9
7.5°	864.0	881.7	903.6	926.3	950.7	973.3	992.8	1016.1	1032.6	1057.4	1081.8
10°	863.0	886.7	914.9	943.9	977.9	1009.4	1037.6	1069.1	1095.3	1129.7	1159.1
12.5°	860.1	888.7	927.8	962.2	1003.5	1046.9	1088.7	1129.2	1152.3	1209.7	1236.8
15°	852.7	886.7	935.6	987.9	1044.7	1096.1	1149.2	1191.5	1259.9	1310.1	1342.0
17.5°	838.6	886.2	944.2	1007.3	1076.3	1144.1	1204.3	1268.4	1341.0	1401.8	1466.5
20°	831.9	884.2	948.9	1018.6	1090.3	1167.0	1235.5	1312.6	1391.8	1451.5	1534.5
22.5°	819.7	878.8	948.6	1026.2	1102.9	1182.3	1262.3	1340.1	1431.6	1513.9	1592.8
25°	799.5	865.9	938.1	1024.8	1114.8	1194.4	1290.2	1393.4	1488.8	1594.6	1673.4
27.5°	778.5	849.4	921.7	1002.3	1099.1	1193.6	1314.1	1430.8	1547.4	1638.7	1697.0
30°	762.2	831.1	905.8	987.1	1082.8	1195.2	1330.0	1457.3	1571.0	1649.3	1682.1
32.5°	744.7	814.5	880.5	965.8	1067.9	1194.2	1340.0	1472.9	1572.3	1624.4	1618.1
35°	717.1	775.5	839.8	921.9	1042.2	1186.9	1345.8	1474.3	1535.3	1524.1	1439.5
37.5°	677.2	726.4	789.7	879.6	1012.3	1171.6	1334.2	1430.6	1426.6	1335.5	1212.9
40°	652.4	694.3	755.2	849.8	989.1	1161.7	1315.9	1378.6	1325.5	1198.1	1051.3
42.5°	619.9	658.4	719.4	816.6	963.5	1141.4	1281.0	1299.3	1195.4	1048.8	914.3
45°	569.4	603.4	666.5	766.8	925.3	1097.3	1196.0	1151.7	1011.9	860.5	758.1
47.5°	515.2	550.6	611.2	714.3	869.8	1031.1	1078.1	983.7	840.2	717.5	623.4
50°	481.1	515.1	574.4	678.5	832.3	976.7	996.2	874.3	742.4	634.5	557.4
52.5°	446.6	478.6	536.9	641.4	788.5	913.6	901.6	777.4	656.1	564.2	503.7
55°	395.2	425.5	481.1	578.9	712.9	812.0	768.5	649.9	549.5	478.2	432.1
57.5°	349.3	378.3	426.3	514.7	631.1	699.3	643.8	543.8	464.1	409.2	374.9
60°	318.1	343.8	389.4	471.5	572.7	624.6	569.8	481.5	414.3	370.3	339.7
62.5°	288.6	310.9	353.2	427.8	515.6	559.2	503.8	429.0	371.9	332.9	306.8
65°	243.8	264.2	301.5	359.6	431.7	460.7	413.0	352.5	308.2	279.1	261.7
67.5°	203.0	220.3	252.5	298.3	351.3	372.5	336.2	289.3	255.9	232.6	218.7
70°	175.9	190.8	216.1	255.5	303.6	319.7	285.7	247.2	222.7	204.1	191.2
72.5°	153.0	163.9	186.9	217.3	257.5	270.3	246.6	212.7	189.9	175.9	165.6
75°	116.5	125.6	140.6	165.1	192.8	200.3	182.4	161.3	146.0	136.0	128.2
77.5°	84.1	90.7	101.6	116.6	135.9	142.6	131.3	117.2	106.0	99.3	94.9
80°	63.5	68.8	78.0	90.4	102.0	105.8	99.1	88.3	80.5	76.8	73.0
82.5°	46.9	49.9	55.4	63.8	71.9	76.2	70.6	64.1	59.9	56.5	55.1
85°	23.6	25.3	27.8	31.1	36.0	37.7	35.6	34.0	31.5	29.5	29.5
87.5°	9.4	9.9	11.5	12.7	14.6	16.2	16.6	16.6	17.0	16.9	16.8
90°	3.9	6.5	9.2	11.8	14.9	18.3	21.8	25.2	28.7	29.7	30.8
92.5°	30.7	32.5	34.3	36.1	38.0	40.0	41.9	43.9	45.9	46.7	47.5
95°	72.3	74.2	76.0	78.0	79.9	82.0	84.1	86.3	88.4	89.4	90.5
97.5°	126.6	127.9	129.4	130.7	132.1	133.7	135.2	136.8	138.3	139.6	140.8
100°	164.1	165.6	167.2	168.8	170.3	171.6	172.9	174.3	175.6	176.4	177.2
102.5°	206.4	207.4	208.3	209.3	210.6	212.4	214.1	215.9	217.6	218.5	219.3
105°	269.3	269.8	270.4	270.9	272.4	274.7	277.1	279.6	281.9	281.9	281.9
107.5°	342.7	343.0	343.3	343.6	344.3	345.2	346.2	347.1	348.1	349.0	349.8
110°	388.8	389.3	389.8	390.4	390.9	391.4	392.0	392.4	393.0	394.1	395.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	436.3	436.7	437.0	437.3	437.5	437.6	437.7	437.8	437.9	439.2	440.5
115°	508.5	509.3	510.1	510.9	511.0	510.5	509.9	509.5	508.9	509.1	509.5
117.5°	580.4	580.9	581.5	581.9	581.9	581.2	580.5	579.8	579.2	579.1	579.0
120°	626.4	628.0	629.5	631.1	631.3	629.9	628.6	627.2	626.0	625.7	625.4
122.5°	672.7	673.9	675.1	676.3	676.5	675.8	675.1	674.5	673.8	673.0	672.3
125°	743.8	744.7	745.4	746.2	746.3	745.8	745.3	744.7	744.3	743.1	742.1
127.5°	810.6	812.4	814.0	815.8	816.3	815.7	815.2	814.6	814.0	812.5	811.0
130°	855.1	857.1	859.3	861.4	862.1	861.3	860.5	859.7	858.9	857.9	856.7
132.5°	899.0	901.1	903.2	905.4	906.2	905.5	905.0	904.4	903.8	902.5	901.3
135°	965.6	967.2	968.8	970.4	971.1	970.8	970.5	970.3	970.0	968.9	967.9
137.5°	1027.5	1028.8	1030.2	1031.4	1032.5	1033.2	1033.8	1034.5	1035.2	1034.1	1033.0
140°	1070.5	1071.8	1073.1	1074.4	1075.2	1075.5	1075.8	1076.0	1076.3	1076.0	1075.8
142.5°	1109.6	1111.0	1112.3	1113.6	1114.5	1115.0	1115.5	1115.9	1116.4	1116.2	1115.9
145°	1170.1	1170.5	1171.1	1171.6	1172.3	1173.1	1173.9	1174.6	1175.4	1175.2	1174.9
147.5°	1223.9	1224.9	1225.9	1226.9	1227.6	1228.4	1229.2	1229.9	1230.7	1230.7	1230.7
150°	1260.8	1261.3	1261.9	1262.4	1262.9	1263.5	1264.0	1264.5	1265.0	1265.0	1265.0
152.5°	1291.6	1292.4	1293.1	1293.8	1294.3	1294.7	1295.0	1295.3	1295.6	1296.1	1296.5
155°	1339.1	1339.1	1339.1	1339.1	1339.3	1339.5	1339.7	1340.1	1340.3	1341.4	1342.4
157.5°	1379.9	1379.6	1379.3	1379.0	1378.9	1379.1	1379.3	1379.5	1379.7	1380.9	1382.0
160°	1405.5	1404.9	1404.4	1403.9	1403.6	1403.6	1403.6	1403.6	1403.6	1404.9	1406.3
162.5°	1428.2	1427.4	1426.7	1426.0	1425.7	1425.9	1426.2	1426.3	1426.6	1427.9	1429.2
165°	1457.8	1457.0	1456.2	1455.4	1455.0	1455.0	1455.0	1455.0	1455.0	1456.6	1458.2
167.5°	1481.1	1480.1	1479.0	1478.0	1477.6	1477.7	1478.0	1478.2	1478.4	1480.0	1481.7
170°	1494.5	1493.5	1492.4	1491.4	1490.8	1490.8	1490.8	1490.8	1490.8	1492.7	1494.5
172.5°	1505.1	1504.0	1502.9	1501.9	1501.3	1501.3	1501.3	1501.3	1501.3	1503.0	1504.6
175°	1516.1	1515.0	1513.9	1512.8	1512.4	1512.4	1512.4	1512.4	1512.4	1513.9	1515.5
177.5°	1520.8	1520.0	1519.1	1518.2	1517.8	1517.8	1517.8	1517.8	1517.8	1519.1	1520.4
180°	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	900.8	901.1	904.8	907.4	906.1	907.8	908.4
5°	984.1	999.1	1006.9	1012.7	1013.2	1013.6	1016.9
7.5°	1102.3	1118.3	1130.0	1147.8	1153.1	1159.1	1157.4
10°	1188.6	1212.2	1232.6	1243.3	1255.0	1271.9	1258.3
12.5°	1269.2	1311.1	1342.0	1358.8	1369.8	1373.2	1366.4
15°	1402.2	1456.9	1486.4	1485.5	1522.9	1539.1	1513.7
17.5°	1524.1	1574.6	1615.1	1635.9	1666.9	1673.8	1670.6
20°	1598.8	1653.9	1685.4	1721.1	1737.3	1751.8	1754.3
22.5°	1663.1	1712.6	1746.4	1776.2	1789.7	1796.6	1800.7
25°	1729.4	1768.4	1788.7	1799.0	1802.8	1802.0	1796.6
27.5°	1724.8	1727.8	1705.4	1683.5	1663.8	1641.6	1634.0
30°	1680.1	1645.2	1583.0	1547.8	1495.9	1454.8	1471.4
32.5°	1562.3	1492.9	1423.1	1346.0	1282.2	1264.1	1245.8
35°	1333.3	1211.4	1140.1	1057.1	1024.0	990.8	968.0
37.5°	1078.7	984.4	899.8	845.5	812.3	791.3	780.0
40°	932.7	847.7	778.0	734.0	708.8	685.2	681.8
42.5°	816.3	737.2	684.8	649.7	625.5	615.4	608.2
45°	668.5	613.4	578.1	553.3	537.1	530.8	522.5
47.5°	565.9	526.9	500.4	483.5	471.3	466.7	466.0
50°	508.4	476.1	456.6	443.3	433.8	432.1	425.5
52.5°	465.3	437.3	422.1	410.5	403.6	398.9	397.0
55°	403.9	385.2	371.6	365.0	359.6	355.0	355.0
57.5°	353.4	337.9	328.8	323.1	321.5	318.2	316.2
60°	322.3	309.0	301.9	296.9	293.7	294.1	290.3
62.5°	291.7	283.1	276.4	271.4	267.4	267.5	267.8
65°	248.4	241.8	236.8	235.1	232.7	229.7	230.6
67.5°	210.5	204.3	200.4	197.6	196.8	195.2	197.6
70°	183.3	178.7	175.9	173.3	172.5	172.9	175.0
72.5°	158.4	155.2	153.3	152.1	150.3	150.4	151.8
75°	124.5	121.9	120.3	119.0	118.6	118.6	118.6
77.5°	91.4	90.9	90.1	88.2	88.3	88.8	88.9
80°	72.2	70.9	70.5	69.7	68.4	67.6	69.7
82.5°	53.9	52.7	52.3	52.1	50.1	50.0	51.7
85°	29.0	27.8	28.2	27.8	27.8	27.4	27.4
87.5°	16.6	16.6	16.4	16.8	16.6	16.3	17.1
90°	31.8	33.0	33.7	34.2	34.8	35.3	35.8
92.5°	48.4	49.3	49.5	49.2	48.9	48.6	48.2
95°	91.6	92.6	93.2	93.2	93.2	93.2	93.2
97.5°	142.0	143.2	143.8	143.7	143.5	143.5	143.4
100°	178.0	178.8	179.4	180.0	180.5	181.0	181.6
102.5°	220.1	220.9	221.2	221.1	220.9	220.9	220.8
105°	281.9	281.9	282.2	282.7	283.3	283.8	284.3
107.5°	350.6	351.5	351.7	351.4	351.1	350.8	350.5
110°	396.2	397.3	397.5	397.0	396.5	395.9	395.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	441.7	443.0	443.6	443.5	443.4	443.3	443.1
115°	509.7	509.9	509.9	509.7	509.5	509.1	508.9
117.5°	579.0	578.9	578.5	577.7	577.0	576.3	575.5
120°	625.2	624.9	624.5	624.0	623.4	622.9	622.3
122.5°	671.7	671.0	670.3	669.6	668.8	668.0	667.3
125°	741.0	740.0	738.9	737.8	736.8	735.7	734.7
127.5°	809.5	808.0	806.7	805.5	804.2	803.0	801.8
130°	855.7	854.7	853.2	851.4	849.5	847.6	845.7
132.5°	900.0	898.7	897.4	896.0	894.5	893.0	891.6
135°	966.8	965.7	965.0	964.4	963.8	963.4	962.8
137.5°	1031.9	1030.8	1029.7	1028.6	1027.7	1026.7	1025.6
140°	1075.5	1075.2	1074.2	1072.3	1070.5	1068.6	1066.8
142.5°	1115.6	1115.4	1114.5	1113.1	1111.7	1110.2	1108.8
145°	1174.6	1174.4	1173.7	1172.7	1171.6	1170.5	1169.5
147.5°	1230.7	1230.7	1229.9	1228.3	1226.7	1225.0	1223.4
150°	1265.0	1265.0	1264.2	1262.7	1261.1	1259.5	1257.9
152.5°	1296.9	1297.4	1296.9	1295.5	1294.1	1292.7	1291.3
155°	1343.5	1344.6	1344.2	1342.3	1340.5	1338.6	1336.7
157.5°	1383.1	1384.2	1384.0	1382.5	1381.0	1379.5	1378.1
160°	1407.6	1408.9	1409.1	1408.0	1406.9	1405.9	1404.8
162.5°	1430.5	1431.9	1431.7	1430.0	1428.3	1426.6	1424.9
165°	1459.8	1461.3	1461.3	1459.4	1457.5	1455.6	1453.8
167.5°	1483.4	1484.9	1484.9	1483.4	1481.7	1480.0	1478.4
170°	1496.4	1498.3	1498.3	1496.4	1494.5	1492.7	1490.8
172.5°	1506.3	1507.9	1507.8	1505.9	1504.1	1502.2	1500.4
175°	1517.1	1518.7	1518.5	1516.7	1514.8	1513.0	1511.2
177.5°	1521.6	1522.9	1522.8	1521.3	1519.8	1518.4	1516.9
180°	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7

(END OF REPORT)