

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: P332764

Luminaire Tested: **S124DIW-S575D1340U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332764  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124DIW-S575D1340U835-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7248.8 lumens  
Efficiency: N/A  
Efficacy: 134.7 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: Semi-Indirect

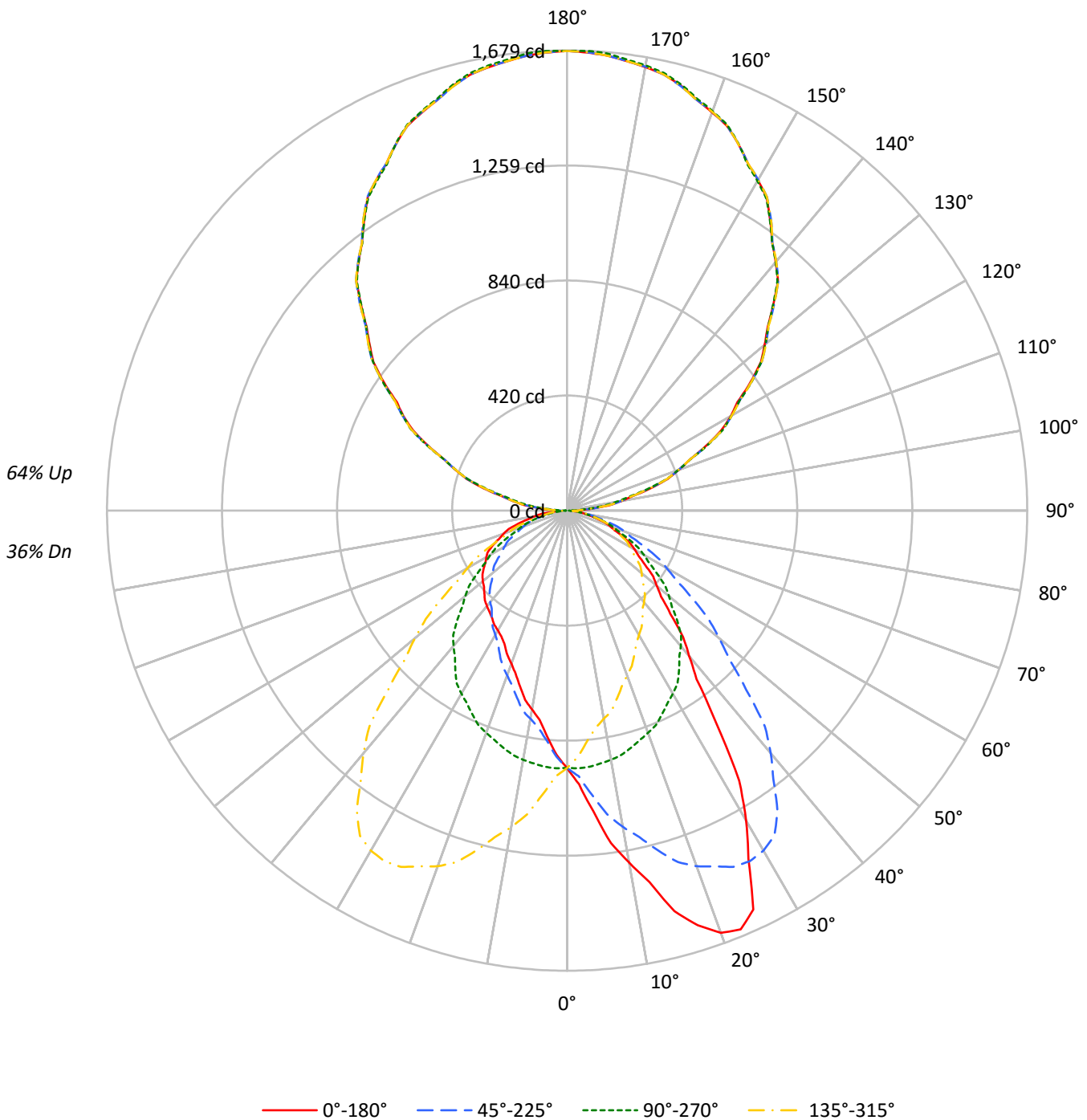
Input Watts (W): 53.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
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	94	94	94	94	75	75	75	59	59	59	43	43	43	36
1	95	91	87	83	86	82	79	76	66	64	62	52	50	49	38	37	37	30
2	86	79	73	68	78	72	67	63	58	55	52	46	43	41	34	32	31	26
3	79	70	63	57	71	63	57	52	51	47	44	40	37	35	30	28	27	22
4	72	62	54	48	65	56	50	45	46	41	37	36	33	30	27	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	32	29	26	24	22	20	17
6	61	49	41	36	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	37	31	51	41	34	29	33	28	25	27	23	20	20	18	16	13
8	52	40	33	28	47	37	30	26	30	25	22	24	21	18	19	16	14	12
9	49	37	29	25	44	34	27	23	28	23	19	22	19	16	17	15	13	11
10	45	34	27	22	41	31	25	20	26	21	17	21	17	15	16	13	12	10

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

	0°	90°	180°	270°
0°	7582	7582	7582	7582
5°	8930	7602	6710	7602
10°	10691	7569	6041	7569
15°	12649	7492	5548	7492
20°	14086	7414	5107	7414
25°	14313	7299	4804	7299
30°	12179	7189	4708	7189
35°	9363	7009	4709	7009
40°	7299	6798	4797	6798
45°	6085	6481	4877	6481
50°	5355	6094	5043	6094
55°	4906	5630	5246	5630
60°	4598	5214	5491	5214
65°	4281	4749	5692	4749
70°	3911	4289	5823	4289
75°	3497	3774	5752	3774
80°	2929	3092	5570	3092
85°	2158	2232	5335	2232



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.5	1.3
10°-20°	282.0	3.9
20°-30°	447.2	6.2
30°-40°	497.7	6.9
40°-50°	453.1	6.3
50°-60°	370.2	5.1
60°-70°	264.3	3.6
70°-80°	145.5	2.0
80°-90°	44.7	0.6
90°-100°	110.6	1.5
100°-110°	327.6	4.5
110°-120°	556.1	7.7
120°-130°	733.3	10.1
130°-140°	823.5	11.4
140°-150°	809.2	11.2
150°-160°	680.6	9.4
160°-170°	452.8	6.2
170°-180°	158.6	2.2
0°-30°	820.8	11.3
0°-40°	1318.5	18.2
0°-60°	2141.8	29.5
0°-90°	2596.4	35.8
90°-120°	994.3	13.7
90°-150°	3360.3	46.4
90°-180°	4652.0	64.2
0°-180°	7248.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	939	939	939	939	939	
5°	1102	938	828	938	1102	112
15°	1514	896	664	896	1514	428
25°	1607	819	539	819	1607	708
35°	950	711	478	711	950	603
45°	533	568	427	568	533	420
55°	349	400	373	400	349	315
65°	224	249	298	249	224	222
75°	112	121	184	121	112	119
85°	23	24	58	24	23	29
90°	39	4	39	4	39	21
95°	102	78	102	78	102	107
105°	316	302	316	302	316	333
115°	560	565	560	565	560	554
125°	817	824	817	824	817	729
135°	1063	1062	1063	1062	1063	821
145°	1292	1290	1292	1290	1292	808
155°	1477	1478	1477	1478	1477	680
165°	1606	1609	1606	1609	1606	452
175°	1666	1674	1666	1674	1666	158
180°	1677	1677	1677	1677	1677	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	999.6	999.3	996.2	995.6	993.4	990.6	990.0	985.0	975.0	970.4	969.1
5°	1101.9	1109.7	1099.5	1097.6	1096.4	1083.6	1077.0	1069.2	1051.3	1040.8	1032.6
7.5°	1223.9	1224.8	1220.4	1216.8	1206.9	1195.7	1178.9	1161.0	1139.7	1117.5	1100.8
10°	1304.2	1307.3	1302.3	1301.5	1281.6	1269.2	1244.3	1223.3	1199.1	1172.3	1147.8
12.5°	1388.9	1384.5	1381.9	1365.3	1361.6	1338.9	1310.0	1288.3	1251.1	1220.2	1187.6
15°	1513.5	1505.0	1499.5	1476.6	1465.3	1433.8	1403.0	1379.3	1330.7	1284.4	1249.3
17.5°	1586.7	1595.2	1582.6	1573.2	1544.0	1521.9	1490.5	1440.7	1402.6	1345.1	1300.9
20°	1639.6	1640.4	1633.4	1623.6	1600.7	1572.7	1538.4	1484.0	1438.4	1381.2	1320.5
22.5°	1653.9	1654.1	1651.1	1642.0	1624.6	1601.9	1567.4	1521.9	1466.8	1404.6	1343.9
25°	1606.9	1605.4	1608.9	1619.0	1612.4	1605.4	1585.5	1551.7	1500.3	1434.5	1369.2
27.5°	1432.3	1443.0	1462.8	1487.7	1511.7	1529.9	1535.1	1528.2	1496.3	1442.2	1373.8
30°	1306.5	1319.8	1334.5	1359.5	1407.7	1435.3	1465.7	1488.6	1475.8	1432.6	1368.8
32.5°	1168.3	1171.6	1193.5	1221.9	1266.1	1319.2	1367.3	1413.9	1429.4	1406.8	1353.5
35°	950.1	955.6	979.3	1007.3	1061.4	1126.4	1198.8	1263.3	1316.7	1338.1	1310.8
37.5°	775.4	791.0	807.7	837.8	885.5	944.0	1019.2	1102.7	1182.2	1235.4	1244.4
40°	692.6	702.3	714.4	737.3	777.8	835.4	899.9	995.7	1080.1	1156.4	1181.3
42.5°	627.2	632.9	640.3	661.0	691.9	749.1	808.1	892.3	977.1	1068.3	1110.0
45°	533.0	538.9	551.3	563.4	586.7	626.4	681.3	750.5	835.7	923.7	1000.7
47.5°	465.0	468.8	476.2	489.1	508.9	535.1	579.7	637.5	716.5	801.9	884.0
50°	426.4	429.5	435.4	447.1	462.2	485.6	522.1	576.2	638.1	724.1	804.6
52.5°	395.9	397.2	401.5	409.4	421.5	441.1	471.1	515.8	573.4	650.0	730.2
55°	348.6	350.2	354.1	359.9	370.4	382.9	405.8	439.3	489.5	556.0	625.6
57.5°	309.7	310.8	314.1	316.3	325.0	335.1	352.7	376.6	414.7	471.1	533.3
60°	284.8	284.0	287.9	289.9	295.7	304.3	317.9	340.8	373.9	419.4	476.6
62.5°	260.5	259.4	262.7	265.3	268.6	275.9	287.1	305.0	331.9	373.1	422.5
65°	224.1	222.6	224.5	227.6	230.7	234.6	242.8	258.7	280.1	309.7	347.4
67.5°	187.5	189.2	189.5	191.0	192.8	198.1	203.7	215.0	230.1	253.8	285.7
70°	165.7	166.1	167.7	167.7	168.9	173.5	178.2	184.8	199.6	221.4	247.5
72.5°	144.0	145.6	145.0	146.2	147.1	150.2	153.6	159.9	172.5	188.7	210.7
75°	112.1	113.2	113.2	113.6	114.8	115.9	118.7	123.3	132.3	144.3	159.5
77.5°	81.7	81.9	82.4	83.8	83.8	85.7	87.7	91.4	95.9	104.1	113.4
80°	63.0	63.8	63.4	64.2	64.2	65.8	66.5	71.2	73.1	78.6	86.0
82.5°	46.2	47.0	46.9	48.0	48.6	48.9	50.0	51.9	53.8	58.7	61.7
85°	23.3	24.1	23.3	24.1	25.3	25.7	26.8	27.2	28.8	30.0	32.7
87.5°	14.6	15.4	15.3	15.5	16.0	16.1	16.1	15.4	16.3	16.3	17.1
90°	38.9	38.3	37.8	37.2	36.6	35.4	33.7	32.0	30.3	28.5	26.2
92.5°	57.6	57.2	56.9	56.5	56.2	55.5	54.5	53.4	52.4	51.4	49.7
95°	102.5	102.5	102.5	102.5	102.5	102.0	101.2	100.3	99.4	98.6	96.5
97.5°	160.6	160.6	160.6	160.6	160.6	160.0	159.0	158.0	156.9	155.9	153.5
100°	201.0	201.0	201.0	201.0	201.0	200.7	200.2	199.6	199.0	198.4	195.8
102.5°	246.7	246.4	246.2	246.0	245.7	245.2	244.4	243.6	242.8	242.0	239.6
105°	316.4	315.6	314.7	313.8	313.0	312.1	311.3	310.4	309.5	308.7	307.5
107.5°	384.4	384.5	384.5	384.6	384.6	384.3	383.4	382.6	381.8	381.0	380.9
110°	433.2	432.3	431.4	430.6	429.7	429.6	430.1	430.7	431.3	431.9	432.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	483.0	482.8	482.6	482.4	482.3	482.2	482.4	482.5	482.6	482.7	483.2
115°	560.3	560.5	560.8	561.1	561.4	561.7	562.0	562.3	562.6	562.8	563.4
117.5°	633.9	634.5	635.1	635.6	636.2	637.0	638.0	639.0	639.9	640.9	641.3
120°	689.9	689.4	688.8	688.2	687.6	688.1	689.5	691.0	692.4	693.8	694.7
122.5°	736.6	737.7	738.7	739.7	740.8	741.8	742.8	743.7	744.7	745.7	746.1
125°	817.0	817.6	818.2	818.8	819.3	819.9	820.5	821.1	821.6	822.2	822.5
127.5°	891.5	891.9	892.4	892.9	893.3	893.8	894.4	895.0	895.6	896.1	896.6
130°	940.2	941.4	942.5	943.7	944.9	945.7	946.3	946.9	947.4	948.0	948.0
132.5°	992.1	992.6	993.0	993.5	994.0	994.5	995.1	995.6	996.2	996.8	997.0
135°	1063.4	1064.3	1065.2	1066.0	1066.9	1067.6	1068.2	1068.8	1069.4	1069.9	1069.9
137.5°	1138.4	1138.2	1138.1	1137.9	1137.7	1138.0	1138.8	1139.5	1140.2	1141.0	1140.5
140°	1184.1	1184.3	1184.6	1184.9	1185.2	1185.5	1185.8	1186.1	1186.4	1186.6	1186.6
142.5°	1229.7	1229.8	1229.8	1229.9	1229.9	1230.0	1230.1	1230.1	1230.2	1230.2	1230.5
145°	1291.7	1292.6	1293.4	1294.3	1295.2	1295.7	1296.0	1296.3	1296.6	1296.9	1296.6
147.5°	1354.5	1354.8	1355.0	1355.3	1355.6	1355.9	1356.1	1356.3	1356.6	1356.8	1357.0
150°	1392.9	1393.1	1393.4	1393.7	1394.0	1394.1	1394.1	1394.1	1394.1	1394.1	1394.1
152.5°	1428.1	1428.9	1429.6	1430.4	1431.1	1431.2	1430.5	1429.8	1429.1	1428.4	1428.2
155°	1477.2	1478.3	1479.5	1480.6	1481.8	1481.8	1480.6	1479.5	1478.3	1477.2	1477.4
157.5°	1521.0	1522.0	1522.9	1523.9	1524.9	1525.0	1524.1	1523.2	1522.4	1521.5	1521.6
160°	1545.9	1547.3	1548.8	1550.2	1551.6	1551.9	1551.1	1550.2	1549.3	1548.5	1548.8
162.5°	1571.8	1573.3	1574.7	1576.1	1577.6	1577.5	1576.0	1574.4	1572.9	1571.3	1571.6
165°	1605.5	1606.7	1607.8	1609.0	1610.2	1609.9	1608.1	1606.4	1604.7	1602.9	1603.5
167.5°	1629.7	1631.5	1633.2	1635.0	1636.8	1636.8	1635.1	1633.4	1631.7	1629.9	1629.9
170°	1643.2	1645.2	1647.2	1649.2	1651.2	1651.4	1649.6	1647.9	1646.2	1644.4	1644.2
172.5°	1654.6	1656.6	1658.6	1660.6	1662.6	1662.7	1660.7	1658.7	1656.8	1654.8	1654.8
175°	1666.5	1668.5	1670.5	1672.5	1674.6	1674.6	1672.5	1670.5	1668.5	1666.5	1666.8
177.5°	1672.7	1674.6	1676.4	1678.3	1680.1	1680.2	1678.6	1677.0	1675.4	1673.8	1673.8
180°	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	969.4	965.1	962.0	959.5	952.6	948.6	945.5	941.1	936.1	930.8	924.3
5°	1024.5	1011.2	1001.5	986.7	972.7	961.0	949.0	938.1	924.8	910.5	899.9
7.5°	1082.3	1062.6	1037.4	1015.5	990.9	969.5	950.4	930.8	910.4	890.6	872.5
10°	1119.0	1093.7	1065.7	1032.6	1001.5	973.9	948.2	923.3	899.2	875.0	854.4
12.5°	1158.5	1127.0	1085.6	1046.9	1012.1	975.1	944.1	913.6	884.5	859.2	835.1
15°	1211.6	1166.1	1118.2	1066.5	1020.6	977.4	935.0	896.4	863.8	830.3	807.0
17.5°	1244.2	1187.9	1133.2	1079.1	1023.5	969.0	923.3	878.9	837.9	804.7	775.3
20°	1265.7	1209.7	1141.6	1087.5	1021.3	965.3	912.4	863.0	820.2	784.8	754.4
22.5°	1284.4	1219.6	1151.5	1080.3	1014.5	955.0	897.1	847.4	803.7	766.4	737.3
25°	1294.5	1220.2	1146.2	1075.4	1000.7	930.3	877.8	819.4	772.7	733.4	702.3
27.5°	1295.6	1216.1	1132.5	1053.8	976.7	911.1	844.8	792.6	744.2	702.6	672.7
30°	1292.1	1209.3	1119.4	1034.2	956.8	885.5	828.0	771.2	721.7	680.5	649.4
32.5°	1281.2	1194.9	1102.6	1012.4	932.2	862.5	803.1	749.1	700.9	660.3	627.6
35°	1249.7	1164.5	1066.1	972.3	890.2	819.8	766.1	711.2	663.0	624.5	593.0
37.5°	1200.5	1123.4	1023.4	926.3	845.7	775.0	721.7	672.2	628.7	589.5	557.2
40°	1157.5	1089.8	989.4	894.9	807.7	740.4	690.6	645.1	601.9	564.9	534.2
42.5°	1108.0	1049.0	956.4	856.3	772.2	704.6	656.1	615.2	574.5	540.4	509.6
45°	1019.8	980.9	893.7	801.1	713.6	649.8	603.5	567.7	533.4	500.0	474.3
47.5°	918.3	899.0	825.6	737.7	654.6	591.7	551.6	518.5	488.5	460.1	437.5
50°	850.1	840.8	777.4	692.6	613.2	554.1	513.6	485.2	459.5	434.6	413.2
52.5°	782.9	782.6	725.4	647.7	574.3	517.3	477.2	450.6	428.4	408.1	388.9
55°	680.1	691.0	646.3	577.0	511.3	459.9	423.7	400.0	384.4	367.7	353.3
57.5°	585.7	603.8	566.9	505.9	451.0	403.7	372.2	354.4	337.8	327.7	317.2
60°	524.1	541.2	512.4	461.1	409.3	368.8	338.9	322.9	308.5	301.5	294.1
62.5°	469.3	484.6	463.2	415.6	370.7	331.8	306.5	291.2	281.5	273.8	268.9
65°	391.0	403.9	385.6	351.0	312.4	281.3	260.7	248.6	239.3	236.2	230.7
67.5°	316.1	327.8	317.9	288.5	257.6	234.0	217.9	206.3	200.8	198.0	194.2
70°	271.6	283.3	272.7	247.1	223.3	203.5	188.3	181.7	175.9	174.7	169.3
72.5°	233.9	241.9	231.3	211.3	191.0	174.2	162.5	155.6	152.5	150.4	147.5
75°	175.5	182.5	175.5	159.9	145.5	133.8	123.7	121.0	117.5	116.3	114.4
77.5°	124.2	130.3	124.9	115.2	104.4	95.4	90.0	86.5	85.7	83.7	84.6
80°	94.9	98.8	93.8	87.2	78.6	72.4	68.5	66.5	64.2	63.4	65.0
82.5°	68.2	69.9	67.3	62.9	56.5	52.4	49.8	47.5	47.1	47.2	47.2
85°	35.4	35.0	34.6	30.7	28.8	26.1	24.5	24.1	23.7	24.5	25.3
87.5°	16.6	16.5	15.7	13.9	12.3	10.8	9.8	8.9	9.8	10.8	11.7
90°	23.9	21.6	19.3	16.6	13.4	10.2	7.1	3.9	7.1	10.2	13.4
92.5°	48.1	46.5	44.9	42.3	38.6	35.0	31.4	27.8	31.4	35.0	38.6
95°	94.5	92.5	90.5	88.2	85.6	83.0	80.4	77.8	80.4	83.0	85.6
97.5°	151.2	148.8	146.4	144.2	142.1	140.1	138.0	135.9	138.0	140.1	142.1
100°	193.2	190.6	188.0	186.2	185.0	183.9	182.7	181.6	182.7	183.9	185.0
102.5°	237.3	234.9	232.5	231.1	230.7	230.2	229.8	229.3	229.8	230.2	230.7
105°	306.4	305.2	304.0	303.3	303.0	302.8	302.5	302.2	302.5	302.8	303.0
107.5°	380.7	380.5	380.3	380.1	379.7	379.4	379.0	378.7	379.0	379.4	379.7
110°	432.4	432.7	433.0	432.9	432.3	431.7	431.1	430.6	431.1	431.7	432.3





TEST NUMBER: P332764

CATALOG NUMBER: S124DIW-S575D1340U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	483.7	484.3	484.8	485.0	484.9	484.7	484.6	484.5	484.6	484.7	484.9
115°	564.0	564.6	565.2	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4
117.5°	641.7	642.1	642.5	642.6	642.4	642.2	641.9	641.7	641.9	642.2	642.4
120°	695.6	696.4	697.3	697.1	696.0	694.8	693.7	692.5	693.7	694.8	696.0
122.5°	746.5	746.9	747.3	747.3	746.8	746.4	745.9	745.4	745.9	746.4	746.8
125°	822.8	823.1	823.4	823.5	823.5	823.5	823.5	823.5	823.5	823.5	823.5
127.5°	897.1	897.5	898.0	897.8	896.9	896.1	895.2	894.3	895.2	896.1	896.9
130°	948.0	948.0	948.0	947.6	946.7	945.9	945.0	944.1	945.0	945.9	946.7
132.5°	997.2	997.5	997.7	997.5	996.9	996.2	995.6	995.0	995.6	996.2	996.9
135°	1069.9	1069.9	1069.9	1069.1	1067.3	1065.6	1063.9	1062.1	1063.9	1065.6	1067.3
137.5°	1140.1	1139.6	1139.2	1138.5	1137.7	1136.9	1136.1	1135.3	1136.1	1136.9	1137.7
140°	1186.6	1186.6	1186.6	1186.4	1185.8	1185.2	1184.6	1184.1	1184.6	1185.2	1185.8
142.5°	1230.7	1230.9	1231.1	1231.0	1230.4	1229.8	1229.2	1228.7	1229.2	1229.8	1230.4
145°	1296.3	1296.0	1295.7	1295.0	1293.9	1292.7	1291.6	1290.4	1291.6	1292.7	1293.9
147.5°	1357.3	1357.5	1357.7	1357.1	1355.8	1354.4	1353.0	1351.6	1353.0	1354.4	1355.8
150°	1394.1	1394.1	1394.1	1393.6	1392.4	1391.3	1390.1	1389.0	1390.1	1391.3	1392.4
152.5°	1427.9	1427.7	1427.5	1427.0	1426.3	1425.6	1424.9	1424.2	1424.9	1425.6	1426.3
155°	1477.7	1478.0	1478.3	1478.4	1478.4	1478.4	1478.4	1478.4	1478.4	1478.4	1478.4
157.5°	1521.6	1521.7	1521.7	1522.0	1522.5	1523.1	1523.6	1524.1	1523.6	1523.1	1522.5
160°	1549.1	1549.3	1549.6	1549.9	1550.2	1550.5	1550.8	1551.1	1550.8	1550.5	1550.2
162.5°	1571.9	1572.2	1572.5	1573.0	1573.7	1574.5	1575.2	1576.0	1575.2	1574.5	1573.7
165°	1604.1	1604.7	1605.3	1606.0	1606.8	1607.7	1608.6	1609.4	1608.6	1607.7	1606.8
167.5°	1629.8	1629.8	1629.7	1630.3	1631.5	1632.7	1633.9	1635.1	1633.9	1632.7	1631.5
170°	1643.9	1643.6	1643.3	1643.9	1645.3	1646.8	1648.2	1649.6	1648.2	1646.8	1645.3
172.5°	1654.7	1654.7	1654.6	1655.2	1656.4	1657.6	1658.8	1660.0	1658.8	1657.6	1656.4
175°	1667.1	1667.4	1667.6	1668.5	1670.0	1671.4	1672.8	1674.3	1672.8	1671.4	1670.0
177.5°	1673.8	1673.8	1673.8	1674.3	1675.5	1676.6	1677.8	1678.9	1677.8	1676.6	1675.5
180°	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9



TEST NUMBER: P332764

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	921.2	918.4	914.3	908.7	904.1	899.1	897.8	896.0	899.7	896.6	895.7
5°	891.0	882.8	872.3	860.3	853.3	843.1	841.2	837.3	833.4	833.0	829.1
7.5°	859.0	847.0	833.3	821.0	809.6	798.6	791.3	789.8	784.0	780.7	776.8
10°	838.5	823.7	807.7	796.1	782.8	771.2	763.0	758.3	754.4	750.1	746.3
12.5°	814.2	798.5	785.3	772.7	757.0	748.1	734.7	726.6	725.8	725.9	715.8
15°	785.9	770.4	750.1	732.3	723.7	706.6	699.2	689.8	684.0	678.2	673.5
17.5°	753.7	734.3	718.5	697.9	681.6	668.0	658.2	652.6	643.9	635.6	629.6
20°	733.4	712.8	696.1	674.3	656.4	639.7	631.5	623.7	617.1	610.1	603.5
22.5°	712.9	691.3	670.9	649.7	633.0	615.4	607.5	596.9	590.6	586.7	580.1
25°	680.5	657.2	633.8	613.6	596.5	580.9	570.4	562.2	555.2	552.1	547.8
27.5°	645.3	622.1	599.6	576.6	557.2	545.9	537.5	531.3	527.3	523.2	521.2
30°	622.9	598.8	574.7	553.3	535.4	524.1	516.3	512.0	508.9	507.0	505.0
32.5°	600.2	576.4	551.0	531.5	515.5	505.4	499.5	495.2	493.7	493.0	492.3
35°	563.8	539.7	516.3	498.8	483.6	479.7	474.7	472.3	471.6	474.3	475.5
37.5°	528.5	506.1	484.6	467.7	457.7	452.0	450.3	450.4	453.2	455.6	458.4
40°	505.8	484.0	463.8	449.0	439.7	436.2	435.4	437.3	440.4	443.2	446.3
42.5°	483.7	462.2	443.9	430.0	423.5	420.3	420.8	422.7	427.1	430.4	435.1
45°	449.4	431.5	413.6	402.3	396.9	397.6	397.6	401.1	405.4	410.5	415.5
47.5°	417.1	399.0	384.3	374.8	372.0	371.3	373.5	378.1	384.3	390.5	397.6
50°	395.3	378.2	365.3	356.8	353.7	354.8	358.0	362.2	369.6	377.4	384.8
52.5°	373.2	357.6	345.7	337.8	335.6	337.7	340.8	347.6	354.1	362.5	371.4
55°	338.9	325.7	316.3	310.5	309.7	310.9	314.4	321.8	331.1	341.6	350.2
57.5°	304.7	293.7	285.1	281.1	281.5	282.6	288.3	297.1	307.1	318.3	329.3
60°	281.7	271.6	264.6	261.5	261.9	264.2	271.2	279.4	291.8	302.7	314.4
62.5°	259.9	251.0	244.3	241.5	241.0	246.1	252.8	261.3	273.8	285.9	298.5
65°	224.9	217.9	212.4	210.9	212.0	215.9	224.5	235.8	246.3	259.1	272.4
67.5°	190.6	184.9	181.2	181.9	183.3	189.0	196.2	205.9	217.8	231.1	244.2
70°	168.9	163.4	160.3	160.7	163.0	170.0	176.3	186.0	198.8	212.4	223.3
72.5°	146.5	142.9	140.1	141.7	144.0	148.9	156.6	166.4	177.7	190.3	201.9
75°	112.4	112.4	110.9	112.1	115.6	120.2	126.1	136.2	147.5	157.6	166.9
77.5°	83.4	82.6	83.6	85.0	87.0	92.5	99.2	106.5	114.9	125.1	132.8
80°	63.8	64.2	66.1	68.5	69.3	73.5	80.5	87.2	93.8	102.3	109.7
82.5°	47.9	48.3	49.3	52.3	53.1	57.7	62.2	68.8	74.8	80.5	86.7
85°	26.1	26.1	28.0	29.2	31.1	34.2	37.0	40.9	46.3	50.2	56.0
87.5°	13.3	13.8	15.5	16.6	18.0	20.0	21.0	24.8	26.4	28.3	31.3
90°	16.6	19.3	21.6	23.9	26.2	28.5	30.3	32.0	33.7	35.4	36.6
92.5°	42.3	44.9	46.5	48.1	49.7	51.4	52.4	53.4	54.5	55.5	56.2
95°	88.2	90.5	92.5	94.5	96.5	98.6	99.4	100.3	101.2	102.0	102.5
97.5°	144.2	146.4	148.8	151.2	153.5	155.9	156.9	158.0	159.0	160.0	160.6
100°	186.2	188.0	190.6	193.2	195.8	198.4	199.0	199.6	200.2	200.7	201.0
102.5°	231.1	232.5	234.9	237.3	239.6	242.0	242.8	243.6	244.4	245.2	245.7
105°	303.3	304.0	305.2	306.4	307.5	308.7	309.5	310.4	311.3	312.1	313.0
107.5°	380.1	380.3	380.5	380.7	380.9	381.0	381.8	382.6	383.4	384.3	384.6
110°	432.9	433.0	432.7	432.4	432.2	431.9	431.3	430.7	430.1	429.6	429.7



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CATALOG NUMBER: S124DIW-S575D1340U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	485.0	484.8	484.3	483.7	483.2	482.7	482.6	482.5	482.4	482.2	482.3
115°	565.4	565.2	564.6	564.0	563.4	562.8	562.6	562.3	562.0	561.7	561.4
117.5°	642.6	642.5	642.1	641.7	641.3	640.9	639.9	639.0	638.0	637.0	636.2
120°	697.1	697.3	696.4	695.6	694.7	693.8	692.4	691.0	689.5	688.1	687.6
122.5°	747.3	747.3	746.9	746.5	746.1	745.7	744.7	743.7	742.8	741.8	740.8
125°	823.5	823.4	823.1	822.8	822.5	822.2	821.6	821.1	820.5	819.9	819.3
127.5°	897.8	898.0	897.5	897.1	896.6	896.1	895.6	895.0	894.4	893.8	893.3
130°	947.6	948.0	948.0	948.0	948.0	948.0	947.4	946.9	946.3	945.7	944.9
132.5°	997.5	997.7	997.5	997.2	997.0	996.8	996.2	995.6	995.1	994.5	994.0
135°	1069.1	1069.9	1069.9	1069.9	1069.9	1069.9	1069.4	1068.8	1068.2	1067.6	1066.9
137.5°	1138.5	1139.2	1139.6	1140.1	1140.5	1141.0	1140.2	1139.5	1138.8	1138.0	1137.7
140°	1186.4	1186.6	1186.6	1186.6	1186.6	1186.6	1186.4	1186.1	1185.8	1185.5	1185.2
142.5°	1231.0	1231.1	1230.9	1230.7	1230.5	1230.2	1230.2	1230.1	1230.1	1230.0	1229.9
145°	1295.0	1295.7	1296.0	1296.3	1296.6	1296.9	1296.6	1296.3	1296.0	1295.7	1295.2
147.5°	1357.1	1357.7	1357.5	1357.3	1357.0	1356.8	1356.6	1356.3	1356.1	1355.9	1355.6
150°	1393.6	1394.1	1394.1	1394.1	1394.1	1394.1	1394.1	1394.1	1394.1	1394.1	1394.0
152.5°	1427.0	1427.5	1427.7	1427.9	1428.2	1428.4	1429.1	1429.8	1430.5	1431.2	1431.1
155°	1478.4	1478.3	1478.0	1477.7	1477.4	1477.2	1478.3	1479.5	1480.6	1481.8	1481.8
157.5°	1522.0	1521.7	1521.7	1521.6	1521.6	1521.5	1522.4	1523.2	1524.1	1525.0	1524.9
160°	1549.9	1549.6	1549.3	1549.1	1548.8	1548.5	1549.3	1550.2	1551.1	1551.9	1551.6
162.5°	1573.0	1572.5	1572.2	1571.9	1571.6	1571.3	1572.9	1574.4	1576.0	1577.5	1577.6
165°	1606.0	1605.3	1604.7	1604.1	1603.5	1602.9	1604.7	1606.4	1608.1	1609.9	1610.2
167.5°	1630.3	1629.7	1629.8	1629.8	1629.9	1629.9	1631.7	1633.4	1635.1	1636.8	1636.8
170°	1643.9	1643.3	1643.6	1643.9	1644.2	1644.4	1646.2	1647.9	1649.6	1651.4	1651.2
172.5°	1655.2	1654.6	1654.7	1654.7	1654.8	1654.8	1656.8	1658.7	1660.7	1662.7	1662.6
175°	1668.5	1667.6	1667.4	1667.1	1666.8	1666.5	1668.5	1670.5	1672.5	1674.6	1674.6
177.5°	1674.3	1673.8	1673.8	1673.8	1673.8	1673.8	1675.4	1677.0	1678.6	1680.2	1680.1
180°	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9



TEST NUMBER: P332764

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	895.0	894.4	892.2	891.9	892.2	894.4	895.0	895.7	896.6	899.7	896.0
5°	826.8	824.9	823.7	828.0	823.7	824.9	826.8	829.1	833.0	833.4	837.3
7.5°	775.4	773.8	770.4	769.3	770.4	773.8	775.4	776.8	780.7	784.0	789.8
10°	742.4	740.8	737.7	736.9	737.7	740.8	742.4	746.3	750.1	754.4	758.3
12.5°	710.6	707.5	706.9	707.7	706.9	707.5	710.6	715.8	725.9	725.8	726.6
15°	668.4	666.9	662.6	663.8	662.6	666.9	668.4	673.5	678.2	684.0	689.8
17.5°	626.9	625.0	619.8	624.4	619.8	625.0	626.9	629.6	635.6	643.9	652.6
20°	600.7	597.6	594.9	594.5	594.9	597.6	600.7	603.5	610.1	617.1	623.7
22.5°	575.8	573.0	572.8	570.2	572.8	573.0	575.8	580.1	586.7	590.6	596.9
25°	544.7	542.0	541.2	539.3	541.2	542.0	544.7	547.8	552.1	555.2	562.2
27.5°	520.8	519.5	518.1	518.7	518.1	519.5	520.8	521.2	523.2	527.3	531.3
30°	506.2	505.8	505.0	505.0	505.0	505.8	506.2	505.0	507.0	508.9	512.0
32.5°	494.1	494.0	494.4	494.4	494.4	494.0	494.1	492.3	493.0	493.7	495.2
35°	477.0	478.2	479.0	477.8	479.0	478.2	477.0	475.5	474.3	471.6	472.3
37.5°	461.6	462.8	463.9	465.2	463.9	462.8	461.6	458.4	455.6	453.2	450.4
40°	449.8	452.5	453.3	455.2	453.3	452.5	449.8	446.3	443.2	440.4	437.3
42.5°	438.6	441.6	443.6	444.0	443.6	441.6	438.6	435.1	430.4	427.1	422.7
45°	421.4	424.5	427.2	427.2	427.2	424.5	421.4	415.5	410.5	405.4	401.1
47.5°	403.6	408.1	410.8	411.5	410.8	408.1	403.6	397.6	390.5	384.3	378.1
50°	391.4	396.9	399.6	401.5	399.6	396.9	391.4	384.8	377.4	369.6	362.2
52.5°	379.6	385.0	388.7	389.7	388.7	385.0	379.6	371.4	362.5	354.1	347.6
55°	359.1	366.9	371.2	372.7	371.2	366.9	359.1	350.2	341.6	331.1	321.8
57.5°	339.8	347.0	352.0	353.1	352.0	347.0	339.8	329.3	318.3	307.1	297.1
60°	324.9	332.7	338.9	340.1	338.9	332.7	324.9	314.4	302.7	291.8	279.4
62.5°	309.6	317.7	323.3	326.4	323.3	317.7	309.6	298.5	285.9	273.8	261.3
65°	283.3	291.4	296.9	298.0	296.9	291.4	283.3	272.4	259.1	246.3	235.8
67.5°	254.5	262.6	266.2	268.5	266.2	262.6	254.5	244.2	231.1	217.8	205.9
70°	234.2	240.8	244.7	246.7	244.7	240.8	234.2	223.3	212.4	198.8	186.0
72.5°	211.2	218.1	222.6	223.0	222.6	218.1	211.2	201.9	190.3	177.7	166.4
75°	175.9	182.1	184.4	184.4	184.4	182.1	175.9	166.9	157.6	147.5	136.2
77.5°	139.2	142.4	145.4	146.0	145.4	142.4	139.2	132.8	125.1	114.9	106.5
80°	115.6	117.5	119.8	119.8	119.8	117.5	115.6	109.7	102.3	93.8	87.2
82.5°	91.3	92.9	95.2	94.9	95.2	92.9	91.3	86.7	80.5	74.8	68.8
85°	55.2	58.8	58.4	57.6	58.4	58.8	55.2	56.0	50.2	46.3	40.9
87.5°	32.3	32.8	33.8	34.6	33.8	32.8	32.3	31.3	28.3	26.4	24.8
90°	37.2	37.8	38.3	38.9	38.3	37.8	37.2	36.6	35.4	33.7	32.0
92.5°	56.5	56.9	57.2	57.6	57.2	56.9	56.5	56.2	55.5	54.5	53.4
95°	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.0	101.2	100.3
97.5°	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.6	160.0	159.0	158.0
100°	201.0	201.0	201.0	201.0	201.0	201.0	201.0	201.0	200.7	200.2	199.6
102.5°	246.0	246.2	246.4	246.7	246.4	246.2	246.0	245.7	245.2	244.4	243.6
105°	313.8	314.7	315.6	316.4	315.6	314.7	313.8	313.0	312.1	311.3	310.4
107.5°	384.6	384.5	384.5	384.4	384.5	384.5	384.6	384.6	384.3	383.4	382.6
110°	430.6	431.4	432.3	433.2	432.3	431.4	430.6	429.7	429.6	430.1	430.7



TEST NUMBER: P332764

CATALOG NUMBER: S124DIW-S575D1340U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	482.4	482.6	482.8	483.0	482.8	482.6	482.4	482.3	482.2	482.4	482.5
115°	561.1	560.8	560.5	560.3	560.5	560.8	561.1	561.4	561.7	562.0	562.3
117.5°	635.6	635.1	634.5	633.9	634.5	635.1	635.6	636.2	637.0	638.0	639.0
120°	688.2	688.8	689.4	689.9	689.4	688.8	688.2	687.6	688.1	689.5	691.0
122.5°	739.7	738.7	737.7	736.6	737.7	738.7	739.7	740.8	741.8	742.8	743.7
125°	818.8	818.2	817.6	817.0	817.6	818.2	818.8	819.3	819.9	820.5	821.1
127.5°	892.9	892.4	891.9	891.5	891.9	892.4	892.9	893.3	893.8	894.4	895.0
130°	943.7	942.5	941.4	940.2	941.4	942.5	943.7	944.9	945.7	946.3	946.9
132.5°	993.5	993.0	992.6	992.1	992.6	993.0	993.5	994.0	994.5	995.1	995.6
135°	1066.0	1065.2	1064.3	1063.4	1064.3	1065.2	1066.0	1066.9	1067.6	1068.2	1068.8
137.5°	1137.9	1138.1	1138.2	1138.4	1138.2	1138.1	1137.9	1137.7	1138.0	1138.8	1139.5
140°	1184.9	1184.6	1184.3	1184.1	1184.3	1184.6	1184.9	1185.2	1185.5	1185.8	1186.1
142.5°	1229.9	1229.8	1229.8	1229.7	1229.8	1229.8	1229.9	1229.9	1230.0	1230.1	1230.1
145°	1294.3	1293.4	1292.6	1291.7	1292.6	1293.4	1294.3	1295.2	1295.7	1296.0	1296.3
147.5°	1355.3	1355.0	1354.8	1354.5	1354.8	1355.0	1355.3	1355.6	1355.9	1356.1	1356.3
150°	1393.7	1393.4	1393.1	1392.9	1393.1	1393.4	1393.7	1394.0	1394.1	1394.1	1394.1
152.5°	1430.4	1429.6	1428.9	1428.1	1428.9	1429.6	1430.4	1431.1	1431.2	1430.5	1429.8
155°	1480.6	1479.5	1478.3	1477.2	1478.3	1479.5	1480.6	1481.8	1481.8	1480.6	1479.5
157.5°	1523.9	1522.9	1522.0	1521.0	1522.0	1522.9	1523.9	1524.9	1525.0	1524.1	1523.2
160°	1550.2	1548.8	1547.3	1545.9	1547.3	1548.8	1550.2	1551.6	1551.9	1551.1	1550.2
162.5°	1576.1	1574.7	1573.3	1571.8	1573.3	1574.7	1576.1	1577.6	1577.5	1576.0	1574.4
165°	1609.0	1607.8	1606.7	1605.5	1606.7	1607.8	1609.0	1610.2	1609.9	1608.1	1606.4
167.5°	1635.0	1633.2	1631.5	1629.7	1631.5	1633.2	1635.0	1636.8	1636.8	1635.1	1633.4
170°	1649.2	1647.2	1645.2	1643.2	1645.2	1647.2	1649.2	1651.2	1651.4	1649.6	1647.9
172.5°	1660.6	1658.6	1656.6	1654.6	1656.6	1658.6	1660.6	1662.6	1662.7	1660.7	1658.7
175°	1672.5	1670.5	1668.5	1666.5	1668.5	1670.5	1672.5	1674.6	1674.6	1672.5	1670.5
177.5°	1678.3	1676.4	1674.6	1672.7	1674.6	1676.4	1678.3	1680.1	1680.2	1678.6	1677.0
180°	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	897.8	899.1	904.1	908.7	914.3	918.4	921.2	924.3	930.8	936.1	941.1
5°	841.2	843.1	853.3	860.3	872.3	882.8	891.0	899.9	910.5	924.8	938.1
7.5°	791.3	798.6	809.6	821.0	833.3	847.0	859.0	872.5	890.6	910.4	930.8
10°	763.0	771.2	782.8	796.1	807.7	823.7	838.5	854.4	875.0	899.2	923.3
12.5°	734.7	748.1	757.0	772.7	785.3	798.5	814.2	835.1	859.2	884.5	913.6
15°	699.2	706.6	723.7	732.3	750.1	770.4	785.9	807.0	830.3	863.8	896.4
17.5°	658.2	668.0	681.6	697.9	718.5	734.3	753.7	775.3	804.7	837.9	878.9
20°	631.5	639.7	656.4	674.3	696.1	712.8	733.4	754.4	784.8	820.2	863.0
22.5°	607.5	615.4	633.0	649.7	670.9	691.3	712.9	737.3	766.4	803.7	847.4
25°	570.4	580.9	596.5	613.6	633.8	657.2	680.5	702.3	733.4	772.7	819.4
27.5°	537.5	545.9	557.2	576.6	599.6	622.1	645.3	672.7	702.6	744.2	792.6
30°	516.3	524.1	535.4	553.3	574.7	598.8	622.9	649.4	680.5	721.7	771.2
32.5°	499.5	505.4	515.5	531.5	551.0	576.4	600.2	627.6	660.3	700.9	749.1
35°	474.7	479.7	483.6	498.8	516.3	539.7	563.8	593.0	624.5	663.0	711.2
37.5°	450.3	452.0	457.7	467.7	484.6	506.1	528.5	557.2	589.5	628.7	672.2
40°	435.4	436.2	439.7	449.0	463.8	484.0	505.8	534.2	564.9	601.9	645.1
42.5°	420.8	420.3	423.5	430.0	443.9	462.2	483.7	509.6	540.4	574.5	615.2
45°	397.6	397.6	396.9	402.3	413.6	431.5	449.4	474.3	500.0	533.4	567.7
47.5°	373.5	371.3	372.0	374.8	384.3	399.0	417.1	437.5	460.1	488.5	518.5
50°	358.0	354.8	353.7	356.8	365.3	378.2	395.3	413.2	434.6	459.5	485.2
52.5°	340.8	337.7	335.6	337.8	345.7	357.6	373.2	388.9	408.1	428.4	450.6
55°	314.4	310.9	309.7	310.5	316.3	325.7	338.9	353.3	367.7	384.4	400.0
57.5°	288.3	282.6	281.5	281.1	285.1	293.7	304.7	317.2	327.7	337.8	354.4
60°	271.2	264.2	261.9	261.5	264.6	271.6	281.7	294.1	301.5	308.5	322.9
62.5°	252.8	246.1	241.0	241.5	244.3	251.0	259.9	268.9	273.8	281.5	291.2
65°	224.5	215.9	212.0	210.9	212.4	217.9	224.9	230.7	236.2	239.3	248.6
67.5°	196.2	189.0	183.3	181.9	181.2	184.9	190.6	194.2	198.0	200.8	206.3
70°	176.3	170.0	163.0	160.7	160.3	163.4	168.9	169.3	174.7	175.9	181.7
72.5°	156.6	148.9	144.0	141.7	140.1	142.9	146.5	147.5	150.4	152.5	155.6
75°	126.1	120.2	115.6	112.1	110.9	112.4	112.4	114.4	116.3	117.5	121.0
77.5°	99.2	92.5	87.0	85.0	83.6	82.6	83.4	84.6	83.7	85.7	86.5
80°	80.5	73.5	69.3	68.5	66.1	64.2	63.8	65.0	63.4	64.2	66.5
82.5°	62.2	57.7	53.1	52.3	49.3	48.3	47.9	47.2	47.2	47.1	47.5
85°	37.0	34.2	31.1	29.2	28.0	26.1	26.1	25.3	24.5	23.7	24.1
87.5°	21.0	20.0	18.0	16.6	15.5	13.8	13.3	11.7	10.8	9.8	8.9
90°	30.3	28.5	26.2	23.9	21.6	19.3	16.6	13.4	10.2	7.1	3.9
92.5°	52.4	51.4	49.7	48.1	46.5	44.9	42.3	38.6	35.0	31.4	27.8
95°	99.4	98.6	96.5	94.5	92.5	90.5	88.2	85.6	83.0	80.4	77.8
97.5°	156.9	155.9	153.5	151.2	148.8	146.4	144.2	142.1	140.1	138.0	135.9
100°	199.0	198.4	195.8	193.2	190.6	188.0	186.2	185.0	183.9	182.7	181.6
102.5°	242.8	242.0	239.6	237.3	234.9	232.5	231.1	230.7	230.2	229.8	229.3
105°	309.5	308.7	307.5	306.4	305.2	304.0	303.3	303.0	302.8	302.5	302.2
107.5°	381.8	381.0	380.9	380.7	380.5	380.3	380.1	379.7	379.4	379.0	378.7
110°	431.3	431.9	432.2	432.4	432.7	433.0	432.9	432.3	431.7	431.1	430.6



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	482.6	482.7	483.2	483.7	484.3	484.8	485.0	484.9	484.7	484.6	484.5
115°	562.6	562.8	563.4	564.0	564.6	565.2	565.4	565.4	565.4	565.4	565.4
117.5°	639.9	640.9	641.3	641.7	642.1	642.5	642.6	642.4	642.2	641.9	641.7
120°	692.4	693.8	694.7	695.6	696.4	697.3	697.1	696.0	694.8	693.7	692.5
122.5°	744.7	745.7	746.1	746.5	746.9	747.3	747.3	746.8	746.4	745.9	745.4
125°	821.6	822.2	822.5	822.8	823.1	823.4	823.5	823.5	823.5	823.5	823.5
127.5°	895.6	896.1	896.6	897.1	897.5	898.0	897.8	896.9	896.1	895.2	894.3
130°	947.4	948.0	948.0	948.0	948.0	948.0	947.6	946.7	945.9	945.0	944.1
132.5°	996.2	996.8	997.0	997.2	997.5	997.7	997.5	996.9	996.2	995.6	995.0
135°	1069.4	1069.9	1069.9	1069.9	1069.9	1069.9	1069.1	1067.3	1065.6	1063.9	1062.1
137.5°	1140.2	1141.0	1140.5	1140.1	1139.6	1139.2	1138.5	1137.7	1136.9	1136.1	1135.3
140°	1186.4	1186.6	1186.6	1186.6	1186.6	1186.6	1186.4	1185.8	1185.2	1184.6	1184.1
142.5°	1230.2	1230.2	1230.5	1230.7	1230.9	1231.1	1231.0	1230.4	1229.8	1229.2	1228.7
145°	1296.6	1296.9	1296.6	1296.3	1296.0	1295.7	1295.0	1293.9	1292.7	1291.6	1290.4
147.5°	1356.6	1356.8	1357.0	1357.3	1357.5	1357.7	1357.1	1355.8	1354.4	1353.0	1351.6
150°	1394.1	1394.1	1394.1	1394.1	1394.1	1394.1	1393.6	1392.4	1391.3	1390.1	1389.0
152.5°	1429.1	1428.4	1428.2	1427.9	1427.7	1427.5	1427.0	1426.3	1425.6	1424.9	1424.2
155°	1478.3	1477.2	1477.4	1477.7	1478.0	1478.3	1478.4	1478.4	1478.4	1478.4	1478.4
157.5°	1522.4	1521.5	1521.6	1521.6	1521.7	1521.7	1522.0	1522.5	1523.1	1523.6	1524.1
160°	1549.3	1548.5	1548.8	1549.1	1549.3	1549.6	1549.9	1550.2	1550.5	1550.8	1551.1
162.5°	1572.9	1571.3	1571.6	1571.9	1572.2	1572.5	1573.0	1573.7	1574.5	1575.2	1576.0
165°	1604.7	1602.9	1603.5	1604.1	1604.7	1605.3	1606.0	1606.8	1607.7	1608.6	1609.4
167.5°	1631.7	1629.9	1629.9	1629.8	1629.8	1629.7	1630.3	1631.5	1632.7	1633.9	1635.1
170°	1646.2	1644.4	1644.2	1643.9	1643.6	1643.3	1643.9	1645.3	1646.8	1648.2	1649.6
172.5°	1656.8	1654.8	1654.8	1654.7	1654.7	1654.6	1655.2	1656.4	1657.6	1658.8	1660.0
175°	1668.5	1666.5	1666.8	1667.1	1667.4	1667.6	1668.5	1670.0	1671.4	1672.8	1674.3
177.5°	1675.4	1673.8	1673.8	1673.8	1673.8	1673.8	1674.3	1675.5	1676.6	1677.8	1678.9
180°	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	945.5	948.6	952.6	959.5	962.0	965.1	969.4	969.1	970.4	975.0	985.0
5°	949.0	961.0	972.7	986.7	1001.5	1011.2	1024.5	1032.6	1040.8	1051.3	1069.2
7.5°	950.4	969.5	990.9	1015.5	1037.4	1062.6	1082.3	1100.8	1117.5	1139.7	1161.0
10°	948.2	973.9	1001.5	1032.6	1065.7	1093.7	1119.0	1147.8	1172.3	1199.1	1223.3
12.5°	944.1	975.1	1012.1	1046.9	1085.6	1127.0	1158.5	1187.6	1220.2	1251.1	1288.3
15°	935.0	977.4	1020.6	1066.5	1118.2	1166.1	1211.6	1249.3	1284.4	1330.7	1379.3
17.5°	923.3	969.0	1023.5	1079.1	1133.2	1187.9	1244.2	1300.9	1345.1	1402.6	1440.7
20°	912.4	965.3	1021.3	1087.5	1141.6	1209.7	1265.7	1320.5	1381.2	1438.4	1484.0
22.5°	897.1	955.0	1014.5	1080.3	1151.5	1219.6	1284.4	1343.9	1404.6	1466.8	1521.9
25°	877.8	930.3	1000.7	1075.4	1146.2	1220.2	1294.5	1369.2	1434.5	1500.3	1551.7
27.5°	844.8	911.1	976.7	1053.8	1132.5	1216.1	1295.6	1373.8	1442.2	1496.3	1528.2
30°	828.0	885.5	956.8	1034.2	1119.4	1209.3	1292.1	1368.8	1432.6	1475.8	1488.6
32.5°	803.1	862.5	932.2	1012.4	1102.6	1194.9	1281.2	1353.5	1406.8	1429.4	1413.9
35°	766.1	819.8	890.2	972.3	1066.1	1164.5	1249.7	1310.8	1338.1	1316.7	1263.3
37.5°	721.7	775.0	845.7	926.3	1023.4	1123.4	1200.5	1244.4	1235.4	1182.2	1102.7
40°	690.6	740.4	807.7	894.9	989.4	1089.8	1157.5	1181.3	1156.4	1080.1	995.7
42.5°	656.1	704.6	772.2	856.3	956.4	1049.0	1108.0	1110.0	1068.3	977.1	892.3
45°	603.5	649.8	713.6	801.1	893.7	980.9	1019.8	1000.7	923.7	835.7	750.5
47.5°	551.6	591.7	654.6	737.7	825.6	899.0	918.3	884.0	801.9	716.5	637.5
50°	513.6	554.1	613.2	692.6	777.4	840.8	850.1	804.6	724.1	638.1	576.2
52.5°	477.2	517.3	574.3	647.7	725.4	782.6	782.9	730.2	650.0	573.4	515.8
55°	423.7	459.9	511.3	577.0	646.3	691.0	680.1	625.6	556.0	489.5	439.3
57.5°	372.2	403.7	451.0	505.9	566.9	603.8	585.7	533.3	471.1	414.7	376.6
60°	338.9	368.8	409.3	461.1	512.4	541.2	524.1	476.6	419.4	373.9	340.8
62.5°	306.5	331.8	370.7	415.6	463.2	484.6	469.3	422.5	373.1	331.9	305.0
65°	260.7	281.3	312.4	351.0	385.6	403.9	391.0	347.4	309.7	280.1	258.7
67.5°	217.9	234.0	257.6	288.5	317.9	327.8	316.1	285.7	253.8	230.1	215.0
70°	188.3	203.5	223.3	247.1	272.7	283.3	271.6	247.5	221.4	199.6	184.8
72.5°	162.5	174.2	191.0	211.3	231.3	241.9	233.9	210.7	188.7	172.5	159.9
75°	123.7	133.8	145.5	159.9	175.5	182.5	175.5	159.5	144.3	132.3	123.3
77.5°	90.0	95.4	104.4	115.2	124.9	130.3	124.2	113.4	104.1	95.9	91.4
80°	68.5	72.4	78.6	87.2	93.8	98.8	94.9	86.0	78.6	73.1	71.2
82.5°	49.8	52.4	56.5	62.9	67.3	69.9	68.2	61.7	58.7	53.8	51.9
85°	24.5	26.1	28.8	30.7	34.6	35.0	35.4	32.7	30.0	28.8	27.2
87.5°	9.8	10.8	12.3	13.9	15.7	16.5	16.6	17.1	16.3	16.3	15.4
90°	7.1	10.2	13.4	16.6	19.3	21.6	23.9	26.2	28.5	30.3	32.0
92.5°	31.4	35.0	38.6	42.3	44.9	46.5	48.1	49.7	51.4	52.4	53.4
95°	80.4	83.0	85.6	88.2	90.5	92.5	94.5	96.5	98.6	99.4	100.3
97.5°	138.0	140.1	142.1	144.2	146.4	148.8	151.2	153.5	155.9	156.9	158.0
100°	182.7	183.9	185.0	186.2	188.0	190.6	193.2	195.8	198.4	199.0	199.6
102.5°	229.8	230.2	230.7	231.1	232.5	234.9	237.3	239.6	242.0	242.8	243.6
105°	302.5	302.8	303.0	303.3	304.0	305.2	306.4	307.5	308.7	309.5	310.4
107.5°	379.0	379.4	379.7	380.1	380.3	380.5	380.7	380.9	381.0	381.8	382.6
110°	431.1	431.7	432.3	432.9	433.0	432.7	432.4	432.2	431.9	431.3	430.7





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	484.6	484.7	484.9	485.0	484.8	484.3	483.7	483.2	482.7	482.6	482.5
115°	565.4	565.4	565.4	565.4	565.2	564.6	564.0	563.4	562.8	562.6	562.3
117.5°	641.9	642.2	642.4	642.6	642.5	642.1	641.7	641.3	640.9	639.9	639.0
120°	693.7	694.8	696.0	697.1	697.3	696.4	695.6	694.7	693.8	692.4	691.0
122.5°	745.9	746.4	746.8	747.3	747.3	746.9	746.5	746.1	745.7	744.7	743.7
125°	823.5	823.5	823.5	823.5	823.4	823.1	822.8	822.5	822.2	821.6	821.1
127.5°	895.2	896.1	896.9	897.8	898.0	897.5	897.1	896.6	896.1	895.6	895.0
130°	945.0	945.9	946.7	947.6	948.0	948.0	948.0	948.0	948.0	947.4	946.9
132.5°	995.6	996.2	996.9	997.5	997.7	997.5	997.2	997.0	996.8	996.2	995.6
135°	1063.9	1065.6	1067.3	1069.1	1069.9	1069.9	1069.9	1069.9	1069.9	1069.4	1068.8
137.5°	1136.1	1136.9	1137.7	1138.5	1139.2	1139.6	1140.1	1140.5	1141.0	1140.2	1139.5
140°	1184.6	1185.2	1185.8	1186.4	1186.6	1186.6	1186.6	1186.6	1186.6	1186.4	1186.1
142.5°	1229.2	1229.8	1230.4	1231.0	1231.1	1230.9	1230.7	1230.5	1230.2	1230.2	1230.1
145°	1291.6	1292.7	1293.9	1295.0	1295.7	1296.0	1296.3	1296.6	1296.9	1296.6	1296.3
147.5°	1353.0	1354.4	1355.8	1357.1	1357.7	1357.5	1357.3	1357.0	1356.8	1356.6	1356.3
150°	1390.1	1391.3	1392.4	1393.6	1394.1	1394.1	1394.1	1394.1	1394.1	1394.1	1394.1
152.5°	1424.9	1425.6	1426.3	1427.0	1427.5	1427.7	1427.9	1428.2	1428.4	1429.1	1429.8
155°	1478.4	1478.4	1478.4	1478.4	1478.3	1478.0	1477.7	1477.4	1477.2	1478.3	1479.5
157.5°	1523.6	1523.1	1522.5	1522.0	1521.7	1521.7	1521.6	1521.6	1521.5	1522.4	1523.2
160°	1550.8	1550.5	1550.2	1549.9	1549.6	1549.3	1549.1	1548.8	1548.5	1549.3	1550.2
162.5°	1575.2	1574.5	1573.7	1573.0	1572.5	1572.2	1571.9	1571.6	1571.3	1572.9	1574.4
165°	1608.6	1607.7	1606.8	1606.0	1605.3	1604.7	1604.1	1603.5	1602.9	1604.7	1606.4
167.5°	1633.9	1632.7	1631.5	1630.3	1629.7	1629.8	1629.8	1629.9	1629.9	1631.7	1633.4
170°	1648.2	1646.8	1645.3	1643.9	1643.3	1643.6	1643.9	1644.2	1644.4	1646.2	1647.9
172.5°	1658.8	1657.6	1656.4	1655.2	1654.6	1654.7	1654.7	1654.8	1654.8	1656.8	1658.7
175°	1672.8	1671.4	1670.0	1668.5	1667.6	1667.4	1667.1	1666.8	1666.5	1668.5	1670.5
177.5°	1677.8	1676.6	1675.5	1674.3	1673.8	1673.8	1673.8	1673.8	1673.8	1675.4	1677.0
180°	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	990.0	990.6	993.4	995.6	996.2	999.3	999.6
5°	1077.0	1083.6	1096.4	1097.6	1099.5	1109.7	1101.9
7.5°	1178.9	1195.7	1206.9	1216.8	1220.4	1224.8	1223.9
10°	1244.3	1269.2	1281.6	1301.5	1302.3	1307.3	1304.2
12.5°	1310.0	1338.9	1361.6	1365.3	1381.9	1384.5	1388.9
15°	1403.0	1433.8	1465.3	1476.6	1499.5	1505.0	1513.5
17.5°	1490.5	1521.9	1544.0	1573.2	1582.6	1595.2	1586.7
20°	1538.4	1572.7	1600.7	1623.6	1633.4	1640.4	1639.6
22.5°	1567.4	1601.9	1624.6	1642.0	1651.1	1654.1	1653.9
25°	1585.5	1605.4	1612.4	1619.0	1608.9	1605.4	1606.9
27.5°	1535.1	1529.9	1511.7	1487.7	1462.8	1443.0	1432.3
30°	1465.7	1435.3	1407.7	1359.5	1334.5	1319.8	1306.5
32.5°	1367.3	1319.2	1266.1	1221.9	1193.5	1171.6	1168.3
35°	1198.8	1126.4	1061.4	1007.3	979.3	955.6	950.1
37.5°	1019.2	944.0	885.5	837.8	807.7	791.0	775.4
40°	899.9	835.4	777.8	737.3	714.4	702.3	692.6
42.5°	808.1	749.1	691.9	661.0	640.3	632.9	627.2
45°	681.3	626.4	586.7	563.4	551.3	538.9	533.0
47.5°	579.7	535.1	508.9	489.1	476.2	468.8	465.0
50°	522.1	485.6	462.2	447.1	435.4	429.5	426.4
52.5°	471.1	441.1	421.5	409.4	401.5	397.2	395.9
55°	405.8	382.9	370.4	359.9	354.1	350.2	348.6
57.5°	352.7	335.1	325.0	316.3	314.1	310.8	309.7
60°	317.9	304.3	295.7	289.9	287.9	284.0	284.8
62.5°	287.1	275.9	268.6	265.3	262.7	259.4	260.5
65°	242.8	234.6	230.7	227.6	224.5	222.6	224.1
67.5°	203.7	198.1	192.8	191.0	189.5	189.2	187.5
70°	178.2	173.5	168.9	167.7	167.7	166.1	165.7
72.5°	153.6	150.2	147.1	146.2	145.0	145.6	144.0
75°	118.7	115.9	114.8	113.6	113.2	113.2	112.1
77.5°	87.7	85.7	83.8	83.8	82.4	81.9	81.7
80°	66.5	65.8	64.2	64.2	63.4	63.8	63.0
82.5°	50.0	48.9	48.6	48.0	46.9	47.0	46.2
85°	26.8	25.7	25.3	24.1	23.3	24.1	23.3
87.5°	16.1	16.1	16.0	15.5	15.3	15.4	14.6
90°	33.7	35.4	36.6	37.2	37.8	38.3	38.9
92.5°	54.5	55.5	56.2	56.5	56.9	57.2	57.6
95°	101.2	102.0	102.5	102.5	102.5	102.5	102.5
97.5°	159.0	160.0	160.6	160.6	160.6	160.6	160.6
100°	200.2	200.7	201.0	201.0	201.0	201.0	201.0
102.5°	244.4	245.2	245.7	246.0	246.2	246.4	246.7
105°	311.3	312.1	313.0	313.8	314.7	315.6	316.4
107.5°	383.4	384.3	384.6	384.6	384.5	384.5	384.4
110°	430.1	429.6	429.7	430.6	431.4	432.3	433.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	482.4	482.2	482.3	482.4	482.6	482.8	483.0
115°	562.0	561.7	561.4	561.1	560.8	560.5	560.3
117.5°	638.0	637.0	636.2	635.6	635.1	634.5	633.9
120°	689.5	688.1	687.6	688.2	688.8	689.4	689.9
122.5°	742.8	741.8	740.8	739.7	738.7	737.7	736.6
125°	820.5	819.9	819.3	818.8	818.2	817.6	817.0
127.5°	894.4	893.8	893.3	892.9	892.4	891.9	891.5
130°	946.3	945.7	944.9	943.7	942.5	941.4	940.2
132.5°	995.1	994.5	994.0	993.5	993.0	992.6	992.1
135°	1068.2	1067.6	1066.9	1066.0	1065.2	1064.3	1063.4
137.5°	1138.8	1138.0	1137.7	1137.9	1138.1	1138.2	1138.4
140°	1185.8	1185.5	1185.2	1184.9	1184.6	1184.3	1184.1
142.5°	1230.1	1230.0	1229.9	1229.9	1229.8	1229.8	1229.7
145°	1296.0	1295.7	1295.2	1294.3	1293.4	1292.6	1291.7
147.5°	1356.1	1355.9	1355.6	1355.3	1355.0	1354.8	1354.5
150°	1394.1	1394.1	1394.0	1393.7	1393.4	1393.1	1392.9
152.5°	1430.5	1431.2	1431.1	1430.4	1429.6	1428.9	1428.1
155°	1480.6	1481.8	1481.8	1480.6	1479.5	1478.3	1477.2
157.5°	1524.1	1525.0	1524.9	1523.9	1522.9	1522.0	1521.0
160°	1551.1	1551.9	1551.6	1550.2	1548.8	1547.3	1545.9
162.5°	1576.0	1577.5	1577.6	1576.1	1574.7	1573.3	1571.8
165°	1608.1	1609.9	1610.2	1609.0	1607.8	1606.7	1605.5
167.5°	1635.1	1636.8	1636.8	1635.0	1633.2	1631.5	1629.7
170°	1649.6	1651.4	1651.2	1649.2	1647.2	1645.2	1643.2
172.5°	1660.7	1662.7	1662.6	1660.6	1658.6	1656.6	1654.6
175°	1672.5	1674.6	1674.6	1672.5	1670.5	1668.5	1666.5
177.5°	1678.6	1680.2	1680.1	1678.3	1676.4	1674.6	1672.7
180°	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9	1676.9

(END OF REPORT)