

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: P333599-927

Luminaire Tested: **S125RDIP-S1090D1035U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333599-927  
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: S125RDIP-S1090D1035U927-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6212.6 lumens  
Efficiency: N/A  
Efficacy: 102.7 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: General Diffuse

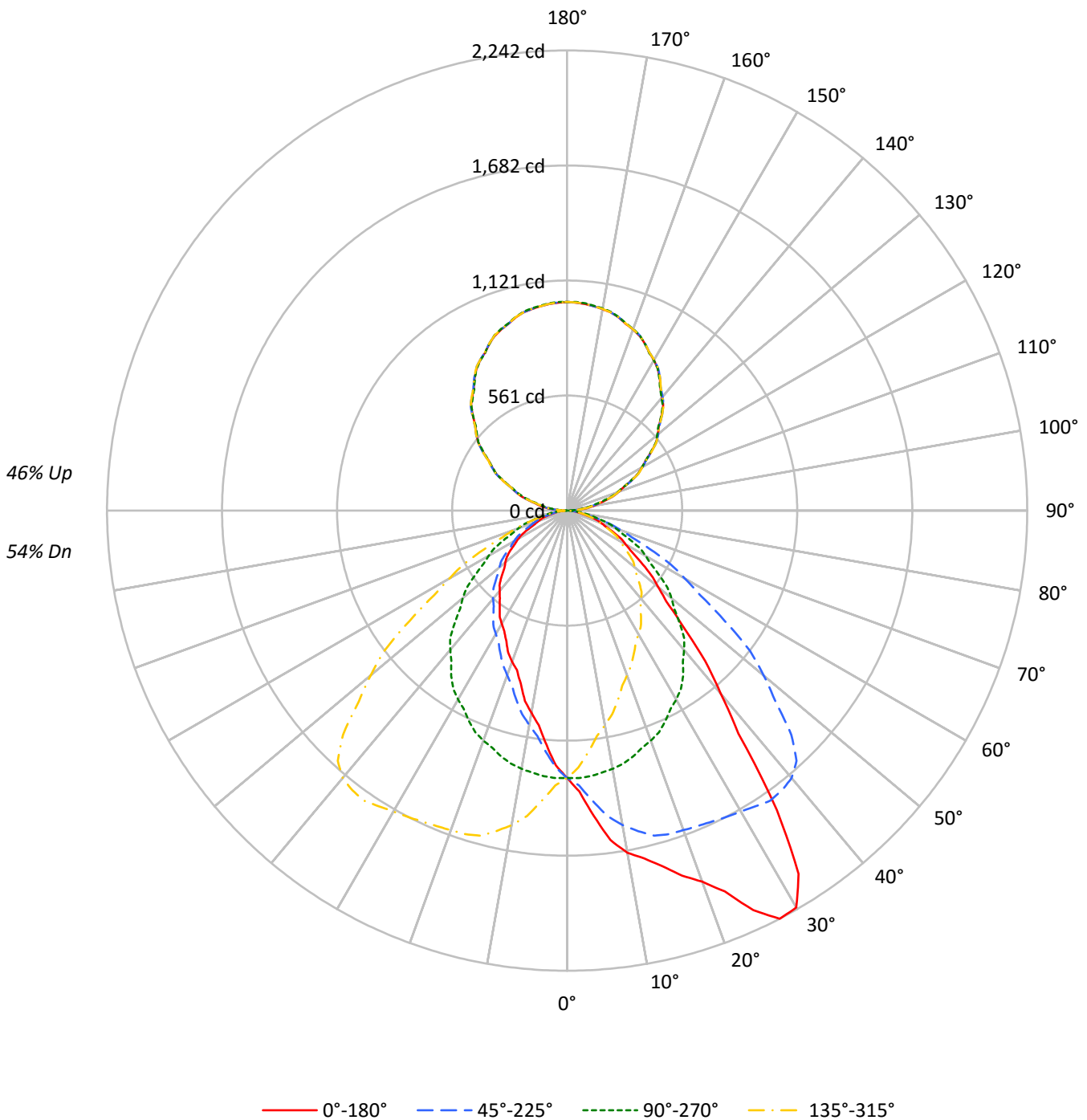
Input Watts (W): 60.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	91	88	92	88	85	82	76	74	71	64	63	61	54	53	52	47
2	91	84	78	73	84	78	73	68	67	63	60	57	54	52	48	46	44	40
3	83	74	67	61	77	69	63	57	59	55	51	51	47	44	43	40	38	34
4	76	66	58	52	70	61	54	49	53	48	44	46	41	38	38	36	33	30
5	70	59	51	45	65	55	48	42	48	42	38	41	37	33	35	32	29	26
6	65	53	45	39	60	49	42	37	43	37	33	37	33	29	32	28	26	23
7	60	48	40	34	55	45	38	33	39	33	29	34	29	26	29	26	23	20
8	55	43	36	30	51	41	34	29	36	30	26	31	27	23	27	23	21	18
9	52	40	32	27	48	37	30	26	33	27	23	29	24	21	25	21	19	16
10	48	36	29	24	45	34	28	23	30	25	21	26	22	19	23	19	17	15

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

	0°	90°	180°	270°
0°	8412	8412	8412	8412
5°	9678	8423	7439	8423
10°	11101	8380	6564	8380
15°	11990	8294	5834	8294
20°	13221	8194	5388	8194
25°	15302	8062	4999	8062
30°	16651	7923	4745	7923
35°	14046	7761	4511	7761
40°	9809	7470	4309	7470
45°	7277	7077	4112	7077
50°	5801	6666	3943	6666
55°	4925	6159	3792	6159
60°	4255	5704	3550	5704
65°	3791	5213	3055	5213
70°	3331	4775	2787	4775
75°	2882	4135	2615	4135
80°	2187	3481	2187	3481
85°	1823	2734	2060	2734



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.9	2.0
10°-20°	366.0	5.9
20°-30°	580.4	9.3
30°-40°	699.9	11.3
40°-50°	625.0	10.1
50°-60°	479.3	7.7
60°-70°	311.5	5.0
70°-80°	151.4	2.4
80°-90°	38.4	0.6
90°-100°	68.1	1.1
100°-110°	201.0	3.2
110°-120°	340.5	5.5
120°-130°	448.1	7.2
130°-140°	502.1	8.1
140°-150°	492.1	7.9
150°-160°	413.3	6.7
160°-170°	274.7	4.4
170°-180°	96.1	1.5
0°-30°	1071.3	17.2
0°-40°	1771.2	28.5
0°-60°	2875.5	46.3
0°-90°	3376.7	54.4
90°-120°	609.5	9.8
90°-150°	2051.7	33.0
90°-180°	2836.0	45.6
0°-180°	6212.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1302	1302	1302	1302	1302	
5°	1493	1299	1147	1299	1493	149
15°	1793	1240	873	1240	1793	514
25°	2147	1131	702	1131	2147	986
35°	1782	984	572	984	1782	1076
45°	797	775	450	775	797	636
55°	437	547	337	547	437	397
65°	248	341	200	341	248	247
75°	116	166	105	166	116	123
85°	25	37	28	37	25	29
90°	19	1	19	1	19	12
95°	68	51	68	51	68	69
105°	196	180	196	180	196	208
115°	344	341	344	341	344	340
125°	501	498	501	498	501	447
135°	649	647	649	647	649	501
145°	787	784	787	784	787	491
155°	897	897	897	897	897	413
165°	973	975	973	975	973	274
175°	1010	1014	1010	1014	1010	96
180°	1016	1016	1016	1016	1016	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5
2.5°	1370.1	1369.2	1371.0	1366.2	1366.7	1359.4	1359.4	1353.8	1346.6	1341.0	1338.4
5°	1492.8	1493.9	1491.8	1483.8	1478.4	1470.4	1461.3	1445.3	1431.9	1419.0	1408.9
7.5°	1619.2	1619.9	1612.9	1610.4	1597.0	1587.1	1566.9	1545.1	1525.7	1501.2	1482.3
10°	1692.8	1692.3	1684.7	1678.9	1667.1	1652.2	1632.4	1606.7	1582.6	1555.9	1530.3
12.5°	1735.6	1734.2	1731.8	1724.7	1713.7	1700.5	1683.7	1658.4	1628.8	1599.6	1569.6
15°	1793.3	1789.5	1782.6	1773.5	1758.0	1742.5	1723.8	1701.4	1673.0	1639.8	1612.1
17.5°	1864.7	1864.9	1854.2	1841.5	1820.4	1793.1	1764.2	1728.0	1689.5	1653.0	1623.4
20°	1923.7	1922.2	1911.5	1886.9	1862.8	1828.6	1795.5	1751.0	1704.0	1656.5	1619.5
22.5°	2008.5	2004.3	1993.1	1960.9	1923.6	1879.5	1828.8	1774.6	1717.7	1663.7	1615.3
25°	2147.3	2144.0	2122.1	2084.7	2032.3	1964.4	1898.1	1823.8	1742.0	1670.9	1612.1
27.5°	2242.2	2238.7	2222.5	2191.3	2143.0	2071.6	1981.8	1882.5	1780.4	1682.5	1597.8
30°	2232.8	2240.8	2238.7	2224.3	2187.9	2123.8	2040.9	1929.1	1807.8	1692.8	1591.7
32.5°	2098.5	2105.7	2124.5	2152.8	2155.0	2129.3	2067.4	1964.2	1838.6	1707.8	1587.1
35°	1781.5	1791.2	1827.6	1884.8	1959.6	2022.1	2035.0	1979.3	1866.5	1725.9	1580.0
37.5°	1369.6	1422.2	1452.9	1513.1	1626.2	1741.2	1851.9	1892.7	1844.6	1718.5	1568.5
40°	1163.5	1176.3	1230.8	1298.7	1393.9	1513.7	1671.4	1785.3	1789.1	1701.4	1550.5
42.5°	995.8	1012.0	1049.5	1103.7	1185.2	1305.0	1467.8	1618.0	1687.7	1654.3	1527.0
45°	796.7	809.0	836.2	878.0	940.5	1039.4	1179.5	1353.3	1491.2	1545.2	1464.0
47.5°	654.4	661.1	684.8	716.6	762.9	835.0	943.4	1094.2	1259.7	1375.7	1364.3
50°	577.4	584.9	603.1	627.2	666.2	727.1	813.8	939.4	1110.0	1251.6	1280.0
52.5°	517.5	523.8	535.1	557.9	590.1	636.9	706.9	820.5	974.0	1124.7	1190.2
55°	437.4	441.6	450.8	463.6	489.3	522.9	583.4	661.9	786.0	937.8	1034.0
57.5°	371.3	373.4	379.2	391.1	408.8	433.4	477.1	543.7	632.6	769.4	875.6
60°	329.4	331.5	339.0	347.0	360.9	383.3	417.6	464.1	549.6	662.5	769.9
62.5°	296.0	297.3	300.5	308.5	320.7	338.0	365.0	402.9	471.0	570.1	671.5
65°	248.1	248.6	249.7	256.1	263.6	276.4	294.1	320.8	372.2	447.0	536.8
67.5°	202.1	202.9	206.6	208.8	216.7	223.4	233.8	254.2	290.3	340.8	410.7
70°	176.4	175.9	179.7	182.4	185.0	193.1	199.9	216.6	239.0	277.5	335.8
72.5°	152.5	151.1	152.7	153.7	157.2	162.6	169.6	179.7	197.1	223.6	268.2
75°	115.5	116.1	116.1	117.1	119.8	121.9	124.1	129.4	139.0	156.7	180.7
77.5°	81.0	80.2	82.5	82.8	84.4	86.7	88.6	90.7	94.7	101.9	114.3
80°	58.8	58.8	59.3	60.9	60.4	61.5	64.2	66.3	71.1	75.4	79.7
82.5°	45.2	44.7	45.2	45.6	45.5	46.5	47.5	47.9	49.7	51.9	54.8
85°	24.6	24.6	25.1	25.1	25.7	25.7	26.2	26.2	26.2	26.7	27.3
87.5°	13.2	12.7	12.1	12.0	12.4	13.1	12.4	11.9	11.7	11.5	11.7
90°	19.0	18.5	17.9	17.4	16.9	16.2	15.3	14.4	13.5	12.7	11.4
92.5°	37.3	36.9	36.5	36.2	35.8	35.0	33.8	32.7	31.5	30.3	28.8
95°	68.0	67.7	67.3	66.9	66.6	65.8	64.6	63.4	62.1	60.9	59.2
97.5°	103.1	102.9	102.7	102.5	102.3	101.6	100.4	99.3	98.2	97.0	94.5
100°	129.7	129.4	129.0	128.7	128.3	127.3	125.7	124.1	122.6	121.0	118.7
102.5°	156.3	155.8	155.3	154.8	154.3	153.2	151.5	149.7	148.1	146.3	145.1
105°	196.1	195.6	195.1	194.6	194.0	193.2	192.2	191.2	190.0	189.0	188.0
107.5°	236.9	237.0	237.0	237.0	237.1	236.9	236.3	235.8	235.3	234.7	233.9
110°	267.3	267.5	267.7	267.8	268.0	267.8	267.3	266.8	266.3	265.7	265.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	297.1	297.4	297.7	298.0	298.3	298.3	298.1	297.9	297.6	297.4	296.7
115°	344.0	344.2	344.4	344.5	344.8	344.9	345.1	345.2	345.5	345.6	345.2
117.5°	389.9	390.6	391.3	392.0	392.7	393.0	392.8	392.7	392.6	392.4	392.1
120°	421.5	422.2	422.9	423.7	424.4	424.7	424.7	424.7	424.7	424.7	424.5
122.5°	453.2	453.8	454.3	454.9	455.4	455.7	455.9	456.1	456.2	456.3	455.9
125°	500.7	500.8	501.0	501.1	501.3	501.6	501.9	502.3	502.6	503.0	502.8
127.5°	546.2	546.5	546.8	547.2	547.6	547.9	548.0	548.2	548.3	548.6	548.3
130°	576.6	576.9	577.3	577.6	578.0	578.2	578.4	578.5	578.8	578.9	578.5
132.5°	605.0	605.5	606.0	606.5	607.0	607.3	607.5	607.7	607.8	608.0	608.1
135°	649.3	650.0	650.7	651.4	652.1	652.4	652.4	652.4	652.4	652.4	652.3
137.5°	692.7	693.6	694.4	695.3	696.2	696.5	696.2	696.1	695.9	695.6	695.3
140°	720.5	721.4	722.2	723.1	724.0	724.3	723.9	723.6	723.2	722.9	722.3
142.5°	747.0	748.0	748.8	749.7	750.6	750.9	750.7	750.5	750.3	750.0	749.4
145°	787.0	787.4	788.0	788.5	789.0	789.3	789.3	789.3	789.3	789.3	788.8
147.5°	820.9	822.1	823.3	824.5	825.7	826.1	825.7	825.2	824.8	824.4	823.9
150°	846.2	846.6	846.9	847.3	847.6	847.8	847.8	847.8	847.8	847.8	847.1
152.5°	867.1	867.8	868.4	869.0	869.7	869.7	869.3	868.9	868.5	868.1	867.8
155°	896.8	897.7	898.6	899.5	900.4	900.5	899.8	899.0	898.3	897.6	897.5
157.5°	921.7	922.8	924.0	925.2	926.3	926.5	925.8	925.1	924.5	923.8	923.6
160°	938.7	939.7	940.6	941.4	942.3	942.4	941.7	941.0	940.2	939.5	939.4
162.5°	953.3	954.3	955.4	956.4	957.4	957.5	956.6	955.8	955.0	954.1	954.1
165°	972.8	973.8	974.9	976.0	977.0	977.2	976.4	975.7	975.1	974.4	974.1
167.5°	988.2	989.4	990.5	991.6	992.6	992.7	991.6	990.5	989.5	988.4	988.4
170°	996.5	997.8	998.9	1000.2	1001.4	1001.5	1000.4	999.4	998.4	997.3	997.3
172.5°	1003.5	1004.6	1005.7	1006.7	1007.8	1007.8	1006.8	1005.8	1004.6	1003.6	1003.6
175°	1010.0	1011.1	1012.4	1013.7	1014.9	1014.9	1013.9	1012.9	1011.8	1010.7	1010.7
177.5°	1013.8	1014.7	1015.7	1016.7	1017.7	1017.7	1016.9	1016.1	1015.3	1014.4	1014.5
180°	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5
2.5°	1338.4	1335.4	1329.8	1324.7	1318.3	1312.7	1308.9	1304.2	1298.2	1290.9	1284.9
5°	1397.6	1385.8	1370.4	1357.0	1339.9	1326.5	1312.6	1299.3	1285.9	1268.8	1253.8
7.5°	1463.3	1439.0	1415.4	1385.7	1358.8	1334.7	1311.5	1288.2	1265.3	1241.0	1217.6
10°	1503.5	1474.1	1441.5	1404.1	1369.8	1337.2	1307.3	1277.9	1246.9	1219.6	1190.2
12.5°	1541.2	1503.2	1465.9	1418.6	1377.5	1337.7	1299.6	1262.9	1229.8	1194.4	1162.8
15°	1575.2	1537.7	1496.0	1438.3	1381.1	1332.9	1288.0	1240.5	1199.3	1159.7	1124.4
17.5°	1588.3	1549.0	1500.6	1445.1	1382.6	1322.1	1264.2	1212.0	1163.6	1117.5	1077.8
20°	1583.2	1545.2	1495.5	1442.6	1375.7	1312.6	1250.1	1192.3	1138.4	1089.6	1047.4
22.5°	1570.7	1531.5	1483.5	1427.6	1364.1	1297.2	1230.4	1168.8	1112.2	1061.8	1015.8
25°	1552.2	1498.7	1449.5	1395.0	1334.6	1268.3	1199.3	1131.4	1071.0	1019.6	969.4
27.5°	1532.8	1466.1	1403.5	1349.3	1285.5	1226.3	1159.8	1090.2	1026.7	974.4	922.8
30°	1515.3	1440.4	1371.4	1310.0	1249.5	1193.4	1130.3	1062.4	997.2	943.2	890.8
32.5°	1493.4	1413.9	1338.1	1267.2	1208.9	1153.2	1096.1	1031.2	967.7	912.0	858.7
35°	1466.1	1364.5	1282.1	1206.7	1142.1	1088.1	1036.7	984.4	920.8	863.0	811.1
37.5°	1430.1	1314.9	1219.6	1137.5	1069.2	1015.0	974.5	926.6	868.5	813.3	765.1
40°	1408.3	1279.0	1174.6	1093.4	1021.8	964.6	926.6	886.0	833.1	781.2	733.0
42.5°	1379.3	1246.0	1129.3	1044.7	972.6	917.5	879.1	843.6	799.2	750.4	698.8
45°	1322.2	1182.2	1059.7	968.8	896.1	842.1	806.3	774.8	741.1	696.2	651.3
47.5°	1248.0	1115.6	987.5	888.2	817.0	766.8	732.1	707.2	683.1	644.9	601.3
50°	1188.6	1060.8	935.6	839.5	763.5	715.9	683.3	663.5	641.6	606.9	570.5
52.5°	1118.4	1004.3	881.8	783.4	711.8	667.2	635.8	616.1	598.0	569.7	535.0
55°	1007.9	907.9	795.6	706.3	640.6	595.6	565.7	547.0	536.3	512.2	485.0
57.5°	880.3	808.7	709.6	623.5	565.4	521.0	499.1	483.2	471.0	454.1	434.8
60°	791.3	741.1	652.3	570.5	517.1	474.8	455.0	441.6	430.4	416.0	401.0
62.5°	701.1	664.5	587.3	517.1	467.9	432.5	413.9	401.9	389.0	379.2	364.6
65°	580.1	547.5	494.0	438.9	393.6	365.2	351.8	341.1	333.1	322.4	312.3
67.5°	451.3	438.0	401.1	363.1	330.5	305.3	293.7	286.3	276.6	270.2	263.2
70°	372.2	365.8	339.5	314.4	283.9	266.8	256.1	252.9	241.1	234.7	229.9
72.5°	302.0	299.0	283.9	266.5	245.0	230.0	220.1	216.6	209.1	203.9	200.8
75°	206.9	208.0	205.3	194.1	186.1	176.4	167.9	165.7	160.4	156.1	153.4
77.5°	130.9	136.3	136.6	136.0	132.8	126.9	123.4	121.8	116.5	114.9	114.3
80°	89.8	95.7	101.1	100.5	99.4	97.8	95.1	93.6	90.9	89.3	88.2
82.5°	59.9	65.4	69.8	72.7	72.5	70.9	69.1	68.4	67.8	66.6	66.4
85°	28.4	29.4	31.0	34.8	37.4	37.9	37.4	36.9	35.3	35.8	36.4
87.5°	11.9	11.6	11.8	11.6	10.9	12.7	13.7	13.9	13.3	12.7	12.1
90°	10.2	9.0	7.8	6.4	5.0	3.6	2.2	0.8	2.2	3.6	5.0
92.5°	27.3	25.8	24.3	23.1	22.1	21.1	20.1	19.2	20.1	21.1	22.1
95°	57.4	55.6	53.9	52.8	52.4	52.1	51.7	51.4	51.7	52.1	52.4
97.5°	92.1	89.7	87.3	86.0	85.9	85.7	85.6	85.4	85.6	85.7	85.9
100°	116.5	114.2	111.9	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7
102.5°	144.0	142.8	141.6	140.8	140.1	139.3	138.6	137.9	138.6	139.3	140.1
105°	186.9	185.8	184.8	183.9	183.0	182.0	181.2	180.3	181.2	182.0	183.0
107.5°	233.1	232.3	231.5	230.7	229.8	228.9	228.0	227.1	228.0	228.9	229.8
110°	264.7	264.1	263.6	262.9	262.1	261.2	260.3	259.4	260.3	261.2	262.1





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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	296.0	295.4	294.7	294.1	293.7	293.2	292.8	292.3	292.8	293.2	293.7
115°	344.9	344.5	344.2	343.6	343.0	342.3	341.6	340.9	341.6	342.3	343.0
117.5°	391.8	391.5	391.2	390.9	390.5	390.2	389.9	389.6	389.9	390.2	390.5
120°	424.4	424.1	424.0	423.5	422.6	421.7	420.8	419.9	420.8	421.7	422.6
122.5°	455.4	455.0	454.5	454.2	453.8	453.5	453.2	452.9	453.2	453.5	453.8
125°	502.6	502.5	502.3	501.7	500.7	499.6	498.5	497.5	498.5	499.6	500.7
127.5°	548.1	548.0	547.7	547.3	546.7	546.1	545.5	544.9	545.5	546.1	546.7
130°	578.2	577.9	577.5	576.9	576.0	575.1	574.3	573.4	574.3	575.1	576.0
132.5°	608.2	608.2	608.3	607.6	606.2	604.8	603.3	601.8	603.3	604.8	606.2
135°	652.1	652.0	651.8	651.2	650.1	649.0	648.0	647.0	648.0	649.0	650.1
137.5°	694.9	694.5	694.1	693.4	692.4	691.3	690.3	689.4	690.3	691.3	692.4
140°	721.8	721.3	720.7	720.0	719.1	718.3	717.4	716.5	717.4	718.3	719.1
142.5°	748.8	748.1	747.4	746.7	745.9	745.2	744.5	743.7	744.5	745.2	745.9
145°	788.2	787.7	787.2	786.6	785.8	785.1	784.5	783.8	784.5	785.1	785.8
147.5°	823.6	823.2	822.8	822.3	822.0	821.6	821.2	820.8	821.2	821.6	822.0
150°	846.4	845.7	845.0	844.8	844.9	845.1	845.3	845.4	845.3	845.1	844.9
152.5°	867.5	867.2	867.0	866.6	866.4	866.2	865.9	865.7	865.9	866.2	866.4
155°	897.3	897.1	896.9	896.8	896.8	896.8	896.8	896.8	896.8	896.8	896.8
157.5°	923.4	923.2	923.1	923.1	923.5	923.9	924.3	924.7	924.3	923.9	923.5
160°	939.2	939.1	938.9	939.1	939.5	940.1	940.6	941.1	940.6	940.1	939.5
162.5°	954.0	954.0	953.9	954.2	954.5	954.9	955.3	955.7	955.3	954.9	954.5
165°	974.0	973.8	973.7	973.8	974.1	974.5	974.8	975.2	974.8	974.5	974.1
167.5°	988.4	988.4	988.4	988.8	989.5	990.2	990.9	991.6	990.9	990.2	989.5
170°	997.3	997.3	997.3	997.7	998.4	999.0	999.7	1000.4	999.7	999.0	998.4
172.5°	1003.6	1003.6	1003.6	1004.0	1004.6	1005.4	1006.1	1006.8	1006.1	1005.4	1004.6
175°	1010.7	1010.7	1010.7	1011.1	1011.8	1012.5	1013.2	1013.9	1013.2	1012.5	1011.8
177.5°	1014.6	1014.8	1014.9	1015.3	1015.8	1016.4	1017.0	1017.6	1017.0	1016.4	1015.8
180°	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3



TEST NUMBER: P333599-927

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5
2.5°	1280.6	1274.7	1270.4	1261.9	1255.8	1253.3	1248.6	1247.3	1252.0	1248.6	1248.2
5°	1242.6	1227.1	1214.8	1202.5	1189.1	1180.6	1167.8	1165.6	1162.4	1157.5	1156.5
7.5°	1196.9	1176.7	1160.9	1140.6	1122.9	1108.7	1092.7	1085.1	1080.9	1074.7	1066.4
10°	1166.1	1142.1	1120.7	1100.3	1078.5	1060.8	1044.7	1032.5	1024.5	1016.9	1013.8
12.5°	1135.8	1111.3	1083.9	1059.3	1034.8	1015.0	997.3	989.3	980.4	971.6	964.2
15°	1088.6	1056.0	1026.0	997.7	976.8	955.5	938.3	926.6	913.2	909.5	895.1
17.5°	1038.6	1006.5	971.5	941.7	917.5	894.0	875.1	861.8	851.8	838.0	831.3
20°	1007.3	969.4	935.2	907.9	881.1	853.3	834.1	822.8	813.3	802.0	796.7
22.5°	974.0	936.8	901.8	869.8	842.6	815.3	801.6	790.0	779.0	768.7	761.6
25°	925.0	887.6	850.6	817.5	789.2	769.4	753.4	740.0	734.1	724.0	716.4
27.5°	876.5	836.8	798.5	765.4	743.2	723.7	710.5	699.9	689.3	680.4	673.9
30°	845.3	804.7	763.0	736.8	713.3	694.5	680.1	669.9	661.9	653.9	649.1
32.5°	814.1	772.2	735.1	706.9	684.6	668.4	653.6	643.9	635.4	626.5	620.8
35°	764.1	721.3	691.3	663.5	641.6	626.6	616.5	602.6	595.6	589.2	583.4
37.5°	717.6	677.8	645.4	621.0	601.9	587.1	573.9	566.4	557.9	552.1	547.2
40°	683.3	647.0	617.6	591.9	578.0	561.4	549.1	539.5	533.1	525.6	520.2
42.5°	652.5	618.7	590.2	567.0	549.8	535.8	523.9	514.3	506.1	500.8	496.3
45°	609.0	575.3	547.5	526.1	510.1	496.7	484.4	479.6	468.9	462.5	460.3
47.5°	564.0	533.9	507.0	487.3	470.9	458.2	446.6	436.8	430.9	424.6	421.2
50°	533.6	504.7	479.6	460.3	444.3	430.4	419.7	413.3	405.3	399.4	395.1
52.5°	503.3	476.5	451.4	433.0	419.1	405.2	393.2	386.8	379.2	375.4	372.5
55°	459.9	431.5	410.1	391.9	377.5	364.6	353.4	347.0	342.2	338.4	337.4
57.5°	410.7	388.2	368.3	351.9	336.9	324.9	315.1	309.0	304.7	304.1	301.0
60°	378.6	358.2	340.1	322.4	309.6	298.3	289.8	282.8	278.5	278.1	276.9
62.5°	346.5	327.0	310.1	294.6	283.0	272.3	264.1	256.4	253.7	251.1	248.7
65°	298.9	281.2	267.4	255.0	242.7	233.6	225.6	220.9	214.9	211.8	205.9
67.5°	252.2	238.4	225.1	214.8	205.1	196.5	189.8	182.7	178.7	176.1	171.8
70°	221.3	210.6	197.3	186.1	178.6	171.7	166.3	158.3	155.6	153.4	151.3
72.5°	192.3	182.8	171.7	162.6	155.0	148.5	142.4	138.6	135.9	133.8	132.5
75°	151.3	142.2	132.6	126.2	120.8	115.5	112.3	109.6	108.5	108.0	105.8
77.5°	111.1	106.3	98.6	93.5	89.9	87.8	84.9	83.5	83.4	81.0	80.3
80°	85.0	82.3	75.9	73.8	71.1	69.0	67.3	64.7	62.0	60.9	59.3
82.5°	63.2	60.5	58.0	54.5	52.3	51.0	49.4	48.4	48.8	47.3	46.5
85°	33.7	31.0	29.9	29.4	28.4	29.4	28.8	28.4	27.8	27.3	27.8
87.5°	12.0	12.3	12.0	13.2	12.1	12.8	13.0	12.8	12.9	13.1	12.8
90°	6.4	7.8	9.0	10.2	11.4	12.7	13.5	14.4	15.3	16.2	16.9
92.5°	23.1	24.3	25.8	27.3	28.8	30.3	31.5	32.7	33.8	35.0	35.8
95°	52.8	53.9	55.6	57.4	59.2	60.9	62.1	63.4	64.6	65.8	66.6
97.5°	86.0	87.3	89.7	92.1	94.5	97.0	98.2	99.3	100.4	101.6	102.3
100°	110.7	111.9	114.2	116.5	118.7	121.0	122.6	124.1	125.7	127.3	128.3
102.5°	140.8	141.6	142.8	144.0	145.1	146.3	148.1	149.7	151.5	153.2	154.3
105°	183.9	184.8	185.8	186.9	188.0	189.0	190.0	191.2	192.2	193.2	194.0
107.5°	230.7	231.5	232.3	233.1	233.9	234.7	235.3	235.8	236.3	236.9	237.1
110°	262.9	263.6	264.1	264.7	265.2	265.7	266.3	266.8	267.3	267.8	268.0



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	294.1	294.7	295.4	296.0	296.7	297.4	297.6	297.9	298.1	298.3	298.3
115°	343.6	344.2	344.5	344.9	345.2	345.6	345.5	345.2	345.1	344.9	344.8
117.5°	390.9	391.2	391.5	391.8	392.1	392.4	392.6	392.7	392.8	393.0	392.7
120°	423.5	424.0	424.1	424.4	424.5	424.7	424.7	424.7	424.7	424.7	424.4
122.5°	454.2	454.5	455.0	455.4	455.9	456.3	456.2	456.1	455.9	455.7	455.4
125°	501.7	502.3	502.5	502.6	502.8	503.0	502.6	502.3	501.9	501.6	501.3
127.5°	547.3	547.7	548.0	548.1	548.3	548.6	548.3	548.2	548.0	547.9	547.6
130°	576.9	577.5	577.9	578.2	578.5	578.9	578.8	578.5	578.4	578.2	578.0
132.5°	607.6	608.3	608.2	608.2	608.1	608.0	607.8	607.7	607.5	607.3	607.0
135°	651.2	651.8	652.0	652.1	652.3	652.4	652.4	652.4	652.4	652.4	652.1
137.5°	693.4	694.1	694.5	694.9	695.3	695.6	695.9	696.1	696.2	696.5	696.2
140°	720.0	720.7	721.3	721.8	722.3	722.9	723.2	723.6	723.9	724.3	724.0
142.5°	746.7	747.4	748.1	748.8	749.4	750.0	750.3	750.5	750.7	750.9	750.6
145°	786.6	787.2	787.7	788.2	788.8	789.3	789.3	789.3	789.3	789.3	789.0
147.5°	822.3	822.8	823.2	823.6	823.9	824.4	824.8	825.2	825.7	826.1	825.7
150°	844.8	845.0	845.7	846.4	847.1	847.8	847.8	847.8	847.8	847.8	847.6
152.5°	866.6	867.0	867.2	867.5	867.8	868.1	868.5	868.9	869.3	869.7	869.7
155°	896.8	896.9	897.1	897.3	897.5	897.6	898.3	899.0	899.8	900.5	900.4
157.5°	923.1	923.1	923.2	923.4	923.6	923.8	924.5	925.1	925.8	926.5	926.3
160°	939.1	938.9	939.1	939.2	939.4	939.5	940.2	941.0	941.7	942.4	942.3
162.5°	954.2	953.9	954.0	954.0	954.1	954.1	955.0	955.8	956.6	957.5	957.4
165°	973.8	973.7	973.8	974.0	974.1	974.4	975.1	975.7	976.4	977.2	977.0
167.5°	988.8	988.4	988.4	988.4	988.4	988.4	989.5	990.5	991.6	992.7	992.6
170°	997.7	997.3	997.3	997.3	997.3	997.3	998.4	999.4	1000.4	1001.5	1001.4
172.5°	1004.0	1003.6	1003.6	1003.6	1003.6	1003.6	1004.6	1005.8	1006.8	1007.8	1007.8
175°	1011.1	1010.7	1010.7	1010.7	1010.7	1010.7	1011.8	1012.9	1013.9	1014.9	1014.9
177.5°	1015.3	1014.9	1014.8	1014.6	1014.5	1014.4	1015.3	1016.1	1016.9	1017.7	1017.7
180°	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5
2.5°	1247.7	1243.0	1241.7	1243.4	1241.7	1243.0	1247.7	1248.2	1248.6	1252.0	1247.3
5°	1151.2	1145.8	1148.5	1147.4	1148.5	1145.8	1151.2	1156.5	1157.5	1162.4	1165.6
7.5°	1066.3	1059.6	1052.6	1054.8	1052.6	1059.6	1066.3	1066.4	1074.7	1080.9	1085.1
10°	1006.8	1001.5	998.2	1000.9	998.2	1001.5	1006.8	1013.8	1016.9	1024.5	1032.5
12.5°	956.7	953.5	950.8	949.6	950.8	953.5	956.7	964.2	971.6	980.4	989.3
15°	888.7	882.3	879.6	872.6	879.6	882.3	888.7	895.1	909.5	913.2	926.6
17.5°	825.9	823.7	816.7	813.8	816.7	823.7	825.9	831.3	838.0	851.8	861.8
20°	788.6	786.5	779.6	783.9	779.6	786.5	788.6	796.7	802.0	813.3	822.8
22.5°	757.9	753.1	750.9	749.6	750.9	753.1	757.9	761.6	768.7	779.0	790.0
25°	714.3	707.3	704.7	701.5	704.7	707.3	714.3	716.4	724.0	734.1	740.0
27.5°	670.9	667.2	663.6	662.8	663.6	667.2	670.9	673.9	680.4	689.3	699.9
30°	642.7	639.0	636.3	636.3	636.3	639.0	642.7	649.1	653.9	661.9	669.9
32.5°	617.4	614.6	611.9	611.5	611.9	614.6	617.4	620.8	626.5	635.4	643.9
35°	580.7	576.4	575.3	572.1	575.3	576.4	580.7	583.4	589.2	595.6	602.6
37.5°	542.5	538.9	538.8	538.5	538.8	538.9	542.5	547.2	552.1	557.9	566.4
40°	518.1	515.4	514.9	511.1	514.9	515.4	518.1	520.2	525.6	533.1	539.5
42.5°	492.0	490.6	488.8	487.2	488.8	490.6	492.0	496.3	500.8	506.1	514.3
45°	456.6	452.9	452.9	450.2	452.9	452.9	456.6	460.3	462.5	468.9	479.6
47.5°	420.0	417.2	417.5	414.7	417.5	417.2	420.0	421.2	424.6	430.9	436.8
50°	395.7	394.0	393.6	392.4	393.6	394.0	395.7	395.1	399.4	405.3	413.3
52.5°	371.3	370.5	372.6	370.2	372.6	370.5	371.3	372.5	375.4	379.2	386.8
55°	338.4	336.8	340.1	336.8	340.1	336.8	338.4	337.4	338.4	342.2	347.0
57.5°	300.7	299.2	302.1	300.5	302.1	299.2	300.7	301.0	304.1	304.7	309.0
60°	275.9	272.7	274.3	274.8	274.3	272.7	275.9	276.9	278.1	278.5	282.8
62.5°	246.4	244.5	245.7	243.2	245.7	244.5	246.4	248.7	251.1	253.7	256.4
65°	204.8	203.2	201.1	199.9	201.1	203.2	204.8	205.9	211.8	214.9	220.9
67.5°	172.1	168.2	168.1	169.0	168.1	168.2	172.1	171.8	176.1	178.7	182.7
70°	148.1	148.1	147.6	147.6	147.6	148.1	148.1	151.3	153.4	155.6	158.3
72.5°	131.4	131.0	130.0	129.6	130.0	131.0	131.4	132.5	133.8	135.9	138.6
75°	105.8	106.4	105.4	104.8	105.4	106.4	105.8	105.8	108.0	108.5	109.6
77.5°	78.2	75.9	77.1	75.9	77.1	75.9	78.2	80.3	81.0	83.4	83.5
80°	59.3	58.8	60.4	58.8	60.4	58.8	59.3	59.3	60.9	62.0	64.7
82.5°	47.0	46.4	47.1	45.9	47.1	46.4	47.0	46.5	47.3	48.8	48.4
85°	28.4	27.8	27.3	27.8	27.3	27.8	28.4	27.8	27.3	27.8	28.4
87.5°	13.3	13.0	13.1	13.2	13.1	13.0	13.3	12.8	13.1	12.9	12.8
90°	17.4	17.9	18.5	19.0	18.5	17.9	17.4	16.9	16.2	15.3	14.4
92.5°	36.2	36.5	36.9	37.3	36.9	36.5	36.2	35.8	35.0	33.8	32.7
95°	66.9	67.3	67.7	68.0	67.7	67.3	66.9	66.6	65.8	64.6	63.4
97.5°	102.5	102.7	102.9	103.1	102.9	102.7	102.5	102.3	101.6	100.4	99.3
100°	128.7	129.0	129.4	129.7	129.4	129.0	128.7	128.3	127.3	125.7	124.1
102.5°	154.8	155.3	155.8	156.3	155.8	155.3	154.8	154.3	153.2	151.5	149.7
105°	194.6	195.1	195.6	196.1	195.6	195.1	194.6	194.0	193.2	192.2	191.2
107.5°	237.0	237.0	237.0	236.9	237.0	237.0	237.0	237.1	236.9	236.3	235.8
110°	267.8	267.7	267.5	267.3	267.5	267.7	267.8	268.0	267.8	267.3	266.8



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	298.0	297.7	297.4	297.1	297.4	297.7	298.0	298.3	298.3	298.1	297.9
115°	344.5	344.4	344.2	344.0	344.2	344.4	344.5	344.8	344.9	345.1	345.2
117.5°	392.0	391.3	390.6	389.9	390.6	391.3	392.0	392.7	393.0	392.8	392.7
120°	423.7	422.9	422.2	421.5	422.2	422.9	423.7	424.4	424.7	424.7	424.7
122.5°	454.9	454.3	453.8	453.2	453.8	454.3	454.9	455.4	455.7	455.9	456.1
125°	501.1	501.0	500.8	500.7	500.8	501.0	501.1	501.3	501.6	501.9	502.3
127.5°	547.2	546.8	546.5	546.2	546.5	546.8	547.2	547.6	547.9	548.0	548.2
130°	577.6	577.3	576.9	576.6	576.9	577.3	577.6	578.0	578.2	578.4	578.5
132.5°	606.5	606.0	605.5	605.0	605.5	606.0	606.5	607.0	607.3	607.5	607.7
135°	651.4	650.7	650.0	649.3	650.0	650.7	651.4	652.1	652.4	652.4	652.4
137.5°	695.3	694.4	693.6	692.7	693.6	694.4	695.3	696.2	696.5	696.2	696.1
140°	723.1	722.2	721.4	720.5	721.4	722.2	723.1	724.0	724.3	723.9	723.6
142.5°	749.7	748.8	748.0	747.0	748.0	748.8	749.7	750.6	750.9	750.7	750.5
145°	788.5	788.0	787.4	787.0	787.4	788.0	788.5	789.0	789.3	789.3	789.3
147.5°	824.5	823.3	822.1	820.9	822.1	823.3	824.5	825.7	826.1	825.7	825.2
150°	847.3	846.9	846.6	846.2	846.6	846.9	847.3	847.6	847.8	847.8	847.8
152.5°	869.0	868.4	867.8	867.1	867.8	868.4	869.0	869.7	869.7	869.3	868.9
155°	899.5	898.6	897.7	896.8	897.7	898.6	899.5	900.4	900.5	899.8	899.0
157.5°	925.2	924.0	922.8	921.7	922.8	924.0	925.2	926.3	926.5	925.8	925.1
160°	941.4	940.6	939.7	938.7	939.7	940.6	941.4	942.3	942.4	941.7	941.0
162.5°	956.4	955.4	954.3	953.3	954.3	955.4	956.4	957.4	957.5	956.6	955.8
165°	976.0	974.9	973.8	972.8	973.8	974.9	976.0	977.0	977.2	976.4	975.7
167.5°	991.6	990.5	989.4	988.2	989.4	990.5	991.6	992.6	992.7	991.6	990.5
170°	1000.2	998.9	997.8	996.5	997.8	998.9	1000.2	1001.4	1001.5	1000.4	999.4
172.5°	1006.7	1005.7	1004.6	1003.5	1004.6	1005.7	1006.7	1007.8	1007.8	1006.8	1005.8
175°	1013.7	1012.4	1011.1	1010.0	1011.1	1012.4	1013.7	1014.9	1014.9	1013.9	1012.9
177.5°	1016.7	1015.7	1014.7	1013.8	1014.7	1015.7	1016.7	1017.7	1017.7	1016.9	1016.1
180°	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5
2.5°	1248.6	1253.3	1255.8	1261.9	1270.4	1274.7	1280.6	1284.9	1290.9	1298.2	1304.2
5°	1167.8	1180.6	1189.1	1202.5	1214.8	1227.1	1242.6	1253.8	1268.8	1285.9	1299.3
7.5°	1092.7	1108.7	1122.9	1140.6	1160.9	1176.7	1196.9	1217.6	1241.0	1265.3	1288.2
10°	1044.7	1060.8	1078.5	1100.3	1120.7	1142.1	1166.1	1190.2	1219.6	1246.9	1277.9
12.5°	997.3	1015.0	1034.8	1059.3	1083.9	1111.3	1135.8	1162.8	1194.4	1229.8	1262.9
15°	938.3	955.5	976.8	997.7	1026.0	1056.0	1088.6	1124.4	1159.7	1199.3	1240.5
17.5°	875.1	894.0	917.5	941.7	971.5	1006.5	1038.6	1077.8	1117.5	1163.6	1212.0
20°	834.1	853.3	881.1	907.9	935.2	969.4	1007.3	1047.4	1089.6	1138.4	1192.3
22.5°	801.6	815.3	842.6	869.8	901.8	936.8	974.0	1015.8	1061.8	1112.2	1168.8
25°	753.4	769.4	789.2	817.5	850.6	887.6	925.0	969.4	1019.6	1071.0	1131.4
27.5°	710.5	723.7	743.2	765.4	798.5	836.8	876.5	922.8	974.4	1026.7	1090.2
30°	680.1	694.5	713.3	736.8	763.0	804.7	845.3	890.8	943.2	997.2	1062.4
32.5°	653.6	668.4	684.6	706.9	735.1	772.2	814.1	858.7	912.0	967.7	1031.2
35°	616.5	626.6	641.6	663.5	691.3	721.3	764.1	811.1	863.0	920.8	984.4
37.5°	573.9	587.1	601.9	621.0	645.4	677.8	717.6	765.1	813.3	868.5	926.6
40°	549.1	561.4	578.0	591.9	617.6	647.0	683.3	733.0	781.2	833.1	886.0
42.5°	523.9	535.8	549.8	567.0	590.2	618.7	652.5	698.8	750.4	799.2	843.6
45°	484.4	496.7	510.1	526.1	547.5	575.3	609.0	651.3	696.2	741.1	774.8
47.5°	446.6	458.2	470.9	487.3	507.0	533.9	564.0	601.3	644.9	683.1	707.2
50°	419.7	430.4	444.3	460.3	479.6	504.7	533.6	570.5	606.9	641.6	663.5
52.5°	393.2	405.2	419.1	433.0	451.4	476.5	503.3	535.0	569.7	598.0	616.1
55°	353.4	364.6	377.5	391.9	410.1	431.5	459.9	485.0	512.2	536.3	547.0
57.5°	315.1	324.9	336.9	351.9	368.3	388.2	410.7	434.8	454.1	471.0	483.2
60°	289.8	298.3	309.6	322.4	340.1	358.2	378.6	401.0	416.0	430.4	441.6
62.5°	264.1	272.3	283.0	294.6	310.1	327.0	346.5	364.6	379.2	389.0	401.9
65°	225.6	233.6	242.7	255.0	267.4	281.2	298.9	312.3	322.4	333.1	341.1
67.5°	189.8	196.5	205.1	214.8	225.1	238.4	252.2	263.2	270.2	276.6	286.3
70°	166.3	171.7	178.6	186.1	197.3	210.6	221.3	229.9	234.7	241.1	252.9
72.5°	142.4	148.5	155.0	162.6	171.7	182.8	192.3	200.8	203.9	209.1	216.6
75°	112.3	115.5	120.8	126.2	132.6	142.2	151.3	153.4	156.1	160.4	165.7
77.5°	84.9	87.8	89.9	93.5	98.6	106.3	111.1	114.3	114.9	116.5	121.8
80°	67.3	69.0	71.1	73.8	75.9	82.3	85.0	88.2	89.3	90.9	93.6
82.5°	49.4	51.0	52.3	54.5	58.0	60.5	63.2	66.4	66.6	67.8	68.4
85°	28.8	29.4	28.4	29.4	29.9	31.0	33.7	36.4	35.8	35.3	36.9
87.5°	13.0	12.8	12.1	13.2	12.0	12.3	12.0	12.1	12.7	13.3	13.9
90°	13.5	12.7	11.4	10.2	9.0	7.8	6.4	5.0	3.6	2.2	0.8
92.5°	31.5	30.3	28.8	27.3	25.8	24.3	23.1	22.1	21.1	20.1	19.2
95°	62.1	60.9	59.2	57.4	55.6	53.9	52.8	52.4	52.1	51.7	51.4
97.5°	98.2	97.0	94.5	92.1	89.7	87.3	86.0	85.9	85.7	85.6	85.4
100°	122.6	121.0	118.7	116.5	114.2	111.9	110.7	110.7	110.7	110.7	110.7
102.5°	148.1	146.3	145.1	144.0	142.8	141.6	140.8	140.1	139.3	138.6	137.9
105°	190.0	189.0	188.0	186.9	185.8	184.8	183.9	183.0	182.0	181.2	180.3
107.5°	235.3	234.7	233.9	233.1	232.3	231.5	230.7	229.8	228.9	228.0	227.1
110°	266.3	265.7	265.2	264.7	264.1	263.6	262.9	262.1	261.2	260.3	259.4



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	297.6	297.4	296.7	296.0	295.4	294.7	294.1	293.7	293.2	292.8	292.3
115°	345.5	345.6	345.2	344.9	344.5	344.2	343.6	343.0	342.3	341.6	340.9
117.5°	392.6	392.4	392.1	391.8	391.5	391.2	390.9	390.5	390.2	389.9	389.6
120°	424.7	424.7	424.5	424.4	424.1	424.0	423.5	422.6	421.7	420.8	419.9
122.5°	456.2	456.3	455.9	455.4	455.0	454.5	454.2	453.8	453.5	453.2	452.9
125°	502.6	503.0	502.8	502.6	502.5	502.3	501.7	500.7	499.6	498.5	497.5
127.5°	548.3	548.6	548.3	548.1	548.0	547.7	547.3	546.7	546.1	545.5	544.9
130°	578.8	578.9	578.5	578.2	577.9	577.5	576.9	576.0	575.1	574.3	573.4
132.5°	607.8	608.0	608.1	608.2	608.2	608.3	607.6	606.2	604.8	603.3	601.8
135°	652.4	652.4	652.3	652.1	652.0	651.8	651.2	650.1	649.0	648.0	647.0
137.5°	695.9	695.6	695.3	694.9	694.5	694.1	693.4	692.4	691.3	690.3	689.4
140°	723.2	722.9	722.3	721.8	721.3	720.7	720.0	719.1	718.3	717.4	716.5
142.5°	750.3	750.0	749.4	748.8	748.1	747.4	746.7	745.9	745.2	744.5	743.7
145°	789.3	789.3	788.8	788.2	787.7	787.2	786.6	785.8	785.1	784.5	783.8
147.5°	824.8	824.4	823.9	823.6	823.2	822.8	822.3	822.0	821.6	821.2	820.8
150°	847.8	847.8	847.1	846.4	845.7	845.0	844.8	844.9	845.1	845.3	845.4
152.5°	868.5	868.1	867.8	867.5	867.2	867.0	866.6	866.4	866.2	865.9	865.7
155°	898.3	897.6	897.5	897.3	897.1	896.9	896.8	896.8	896.8	896.8	896.8
157.5°	924.5	923.8	923.6	923.4	923.2	923.1	923.1	923.5	923.9	924.3	924.7
160°	940.2	939.5	939.4	939.2	939.1	938.9	939.1	939.5	940.1	940.6	941.1
162.5°	955.0	954.1	954.1	954.0	954.0	953.9	954.2	954.5	954.9	955.3	955.7
165°	975.1	974.4	974.1	974.0	973.8	973.7	973.8	974.1	974.5	974.8	975.2
167.5°	989.5	988.4	988.4	988.4	988.4	988.4	988.8	989.5	990.2	990.9	991.6
170°	998.4	997.3	997.3	997.3	997.3	997.3	997.7	998.4	999.0	999.7	1000.4
172.5°	1004.6	1003.6	1003.6	1003.6	1003.6	1003.6	1004.0	1004.6	1005.4	1006.1	1006.8
175°	1011.8	1010.7	1010.7	1010.7	1010.7	1010.7	1011.1	1011.8	1012.5	1013.2	1013.9
177.5°	1015.3	1014.4	1014.5	1014.6	1014.8	1014.9	1015.3	1015.8	1016.4	1017.0	1017.6
180°	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5
2.5°	1308.9	1312.7	1318.3	1324.7	1329.8	1335.4	1338.4	1338.4	1341.0	1346.6	1353.8
5°	1312.6	1326.5	1339.9	1357.0	1370.4	1385.8	1397.6	1408.9	1419.0	1431.9	1445.3
7.5°	1311.5	1334.7	1358.8	1385.7	1415.4	1439.0	1463.3	1482.3	1501.2	1525.7	1545.1
10°	1307.3	1337.2	1369.8	1404.1	1441.5	1474.1	1503.5	1530.3	1555.9	1582.6	1606.7
12.5°	1299.6	1337.7	1377.5	1418.6	1465.9	1503.2	1541.2	1569.6	1599.6	1628.8	1658.4
15°	1288.0	1332.9	1381.1	1438.3	1496.0	1537.7	1575.2	1612.1	1639.8	1673.0	1701.4
17.5°	1264.2	1322.1	1382.6	1445.1	1500.6	1549.0	1588.3	1623.4	1653.0	1689.5	1728.0
20°	1250.1	1312.6	1375.7	1442.6	1495.5	1545.2	1583.2	1619.5	1656.5	1704.0	1751.0
22.5°	1230.4	1297.2	1364.1	1427.6	1483.5	1531.5	1570.7	1615.3	1663.7	1717.7	1774.6
25°	1199.3	1268.3	1334.6	1395.0	1449.5	1498.7	1552.2	1612.1	1670.9	1742.0	1823.8
27.5°	1159.8	1226.3	1285.5	1349.3	1403.5	1466.1	1532.8	1597.8	1682.5	1780.4	1882.5
30°	1130.3	1193.4	1249.5	1310.0	1371.4	1440.4	1515.3	1591.7	1692.8	1807.8	1929.1
32.5°	1096.1	1153.2	1208.9	1267.2	1338.1	1413.9	1493.4	1587.1	1707.8	1838.6	1964.2
35°	1036.7	1088.1	1142.1	1206.7	1282.1	1364.5	1466.1	1580.0	1725.9	1866.5	1979.3
37.5°	974.5	1015.0	1069.2	1137.5	1219.6	1314.9	1430.1	1568.5	1718.5	1844.6	1892.7
40°	926.6	964.6	1021.8	1093.4	1174.6	1279.0	1408.3	1550.5	1701.4	1789.1	1785.3
42.5°	879.1	917.5	972.6	1044.7	1129.3	1246.0	1379.3	1527.0	1654.3	1687.7	1618.0
45°	806.3	842.1	896.1	968.8	1059.7	1182.2	1322.2	1464.0	1545.2	1491.2	1353.3
47.5°	732.1	766.8	817.0	888.2	987.5	1115.6	1248.0	1364.3	1375.7	1259.7	1094.2
50°	683.3	715.9	763.5	839.5	935.6	1060.8	1188.6	1280.0	1251.6	1110.0	939.4
52.5°	635.8	667.2	711.8	783.4	881.8	1004.3	1118.4	1190.2	1124.7	974.0	820.5
55°	565.7	595.6	640.6	706.3	795.6	907.9	1007.9	1034.0	937.8	786.0	661.9
57.5°	499.1	521.0	565.4	623.5	709.6	808.7	880.3	875.6	769.4	632.6	543.7
60°	455.0	474.8	517.1	570.5	652.3	741.1	791.3	769.9	662.5	549.6	464.1
62.5°	413.9	432.5	467.9	517.1	587.3	664.5	701.1	671.5	570.1	471.0	402.9
65°	351.8	365.2	393.6	438.9	494.0	547.5	580.1	536.8	447.0	372.2	320.8
67.5°	293.7	305.3	330.5	363.1	401.1	438.0	451.3	410.7	340.8	290.3	254.2
70°	256.1	266.8	283.9	314.4	339.5	365.8	372.2	335.8	277.5	239.0	216.6
72.5°	220.1	230.0	245.0	266.5	283.9	299.0	302.0	268.2	223.6	197.1	179.7
75°	167.9	176.4	186.1	194.1	205.3	208.0	206.9	180.7	156.7	139.0	129.4
77.5°	123.4	126.9	132.8	136.0	136.6	136.3	130.9	114.3	101.9	94.7	90.7
80°	95.1	97.8	99.4	100.5	101.1	95.7	89.8	79.7	75.4	71.1	66.3
82.5°	69.1	70.9	72.5	72.7	69.8	65.4	59.9	54.8	51.9	49.7	47.9
85°	37.4	37.9	37.4	34.8	31.0	29.4	28.4	27.3	26.7	26.2	26.2
87.5°	13.7	12.7	10.9	11.6	11.8	11.6	11.9	11.7	11.5	11.7	11.9
90°	2.2	3.6	5.0	6.4	7.8	9.0	10.2	11.4	12.7	13.5	14.4
92.5°	20.1	21.1	22.1	23.1	24.3	25.8	27.3	28.8	30.3	31.5	32.7
95°	51.7	52.1	52.4	52.8	53.9	55.6	57.4	59.2	60.9	62.1	63.4
97.5°	85.6	85.7	85.9	86.0	87.3	89.7	92.1	94.5	97.0	98.2	99.3
100°	110.7	110.7	110.7	110.7	111.9	114.2	116.5	118.7	121.0	122.6	124.1
102.5°	138.6	139.3	140.1	140.8	141.6	142.8	144.0	145.1	146.3	148.1	149.7
105°	181.2	182.0	183.0	183.9	184.8	185.8	186.9	188.0	189.0	190.0	191.2
107.5°	228.0	228.9	229.8	230.7	231.5	232.3	233.1	233.9	234.7	235.3	235.8
110°	260.3	261.2	262.1	262.9	263.6	264.1	264.7	265.2	265.7	266.3	266.8





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	292.8	293.2	293.7	294.1	294.7	295.4	296.0	296.7	297.4	297.6	297.9
115°	341.6	342.3	343.0	343.6	344.2	344.5	344.9	345.2	345.6	345.5	345.2
117.5°	389.9	390.2	390.5	390.9	391.2	391.5	391.8	392.1	392.4	392.6	392.7
120°	420.8	421.7	422.6	423.5	424.0	424.1	424.4	424.5	424.7	424.7	424.7
122.5°	453.2	453.5	453.8	454.2	454.5	455.0	455.4	455.9	456.3	456.2	456.1
125°	498.5	499.6	500.7	501.7	502.3	502.5	502.6	502.8	503.0	502.6	502.3
127.5°	545.5	546.1	546.7	547.3	547.7	548.0	548.1	548.3	548.6	548.3	548.2
130°	574.3	575.1	576.0	576.9	577.5	577.9	578.2	578.5	578.9	578.8	578.5
132.5°	603.3	604.8	606.2	607.6	608.3	608.2	608.2	608.1	608.0	607.8	607.7
135°	648.0	649.0	650.1	651.2	651.8	652.0	652.1	652.3	652.4	652.4	652.4
137.5°	690.3	691.3	692.4	693.4	694.1	694.5	694.9	695.3	695.6	695.9	696.1
140°	717.4	718.3	719.1	720.0	720.7	721.3	721.8	722.3	722.9	723.2	723.6
142.5°	744.5	745.2	745.9	746.7	747.4	748.1	748.8	749.4	750.0	750.3	750.5
145°	784.5	785.1	785.8	786.6	787.2	787.7	788.2	788.8	789.3	789.3	789.3
147.5°	821.2	821.6	822.0	822.3	822.8	823.2	823.6	823.9	824.4	824.8	825.2
150°	845.3	845.1	844.9	844.8	845.0	845.7	846.4	847.1	847.8	847.8	847.8
152.5°	865.9	866.2	866.4	866.6	867.0	867.2	867.5	867.8	868.1	868.5	868.9
155°	896.8	896.8	896.8	896.8	896.9	897.1	897.3	897.5	897.6	898.3	899.0
157.5°	924.3	923.9	923.5	923.1	923.1	923.2	923.4	923.6	923.8	924.5	925.1
160°	940.6	940.1	939.5	939.1	938.9	939.1	939.2	939.4	939.5	940.2	941.0
162.5°	955.3	954.9	954.5	954.2	953.9	954.0	954.0	954.1	954.1	955.0	955.8
165°	974.8	974.5	974.1	973.8	973.7	973.8	974.0	974.1	974.4	975.1	975.7
167.5°	990.9	990.2	989.5	988.8	988.4	988.4	988.4	988.4	988.4	989.5	990.5
170°	999.7	999.0	998.4	997.7	997.3	997.3	997.3	997.3	997.3	998.4	999.4
172.5°	1006.1	1005.4	1004.6	1004.0	1003.6	1003.6	1003.6	1003.6	1003.6	1004.6	1005.8
175°	1013.2	1012.5	1011.8	1011.1	1010.7	1010.7	1010.7	1010.7	1010.7	1011.8	1012.9
177.5°	1017.0	1016.4	1015.8	1015.3	1014.9	1014.8	1014.6	1014.5	1014.4	1015.3	1016.1
180°	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5
2.5°	1359.4	1359.4	1366.7	1366.2	1371.0	1369.2	1370.1
5°	1461.3	1470.4	1478.4	1483.8	1491.8	1493.9	1492.8
7.5°	1566.9	1587.1	1597.0	1610.4	1612.9	1619.9	1619.2
10°	1632.4	1652.2	1667.1	1678.9	1684.7	1692.3	1692.8
12.5°	1683.7	1700.5	1713.7	1724.7	1731.8	1734.2	1735.6
15°	1723.8	1742.5	1758.0	1773.5	1782.6	1789.5	1793.3
17.5°	1764.2	1793.1	1820.4	1841.5	1854.2	1864.9	1864.7
20°	1795.5	1828.6	1862.8	1886.9	1911.5	1922.2	1923.7
22.5°	1828.8	1879.5	1923.6	1960.9	1993.1	2004.3	2008.5
25°	1898.1	1964.4	2032.3	2084.7	2122.1	2144.0	2147.3
27.5°	1981.8	2071.6	2143.0	2191.3	2222.5	2238.7	2242.2
30°	2040.9	2123.8	2187.9	2224.3	2238.7	2240.8	2232.8
32.5°	2067.4	2129.3	2155.0	2152.8	2124.5	2105.7	2098.5
35°	2035.0	2022.1	1959.6	1884.8	1827.6	1791.2	1781.5
37.5°	1851.9	1741.2	1626.2	1513.1	1452.9	1422.2	1369.6
40°	1671.4	1513.7	1393.9	1298.7	1230.8	1176.3	1163.5
42.5°	1467.8	1305.0	1185.2	1103.7	1049.5	1012.0	995.8
45°	1179.5	1039.4	940.5	878.0	836.2	809.0	796.7
47.5°	943.4	835.0	762.9	716.6	684.8	661.1	654.4
50°	813.8	727.1	666.2	627.2	603.1	584.9	577.4
52.5°	706.9	636.9	590.1	557.9	535.1	523.8	517.5
55°	583.4	522.9	489.3	463.6	450.8	441.6	437.4
57.5°	477.1	433.4	408.8	391.1	379.2	373.4	371.3
60°	417.6	383.3	360.9	347.0	339.0	331.5	329.4
62.5°	365.0	338.0	320.7	308.5	300.5	297.3	296.0
65°	294.1	276.4	263.6	256.1	249.7	248.6	248.1
67.5°	233.8	223.4	216.7	208.8	206.6	202.9	202.1
70°	199.9	193.1	185.0	182.4	179.7	175.9	176.4
72.5°	169.6	162.6	157.2	153.7	152.7	151.1	152.5
75°	124.1	121.9	119.8	117.1	116.1	116.1	115.5
77.5°	88.6	86.7	84.4	82.8	82.5	80.2	81.0
80°	64.2	61.5	60.4	60.9	59.3	58.8	58.8
82.5°	47.5	46.5	45.5	45.6	45.2	44.7	45.2
85°	26.2	25.7	25.7	25.1	25.1	24.6	24.6
87.5°	12.4	13.1	12.4	12.0	12.1	12.7	13.2
90°	15.3	16.2	16.9	17.4	17.9	18.5	19.0
92.5°	33.8	35.0	35.8	36.2	36.5	36.9	37.3
95°	64.6	65.8	66.6	66.9	67.3	67.7	68.0
97.5°	100.4	101.6	102.3	102.5	102.7	102.9	103.1
100°	125.7	127.3	128.3	128.7	129.0	129.4	129.7
102.5°	151.5	153.2	154.3	154.8	155.3	155.8	156.3
105°	192.2	193.2	194.0	194.6	195.1	195.6	196.1
107.5°	236.3	236.9	237.1	237.0	237.0	237.0	236.9
110°	267.3	267.8	268.0	267.8	267.7	267.5	267.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	298.1	298.3	298.3	298.0	297.7	297.4	297.1
115°	345.1	344.9	344.8	344.5	344.4	344.2	344.0
117.5°	392.8	393.0	392.7	392.0	391.3	390.6	389.9
120°	424.7	424.7	424.4	423.7	422.9	422.2	421.5
122.5°	455.9	455.7	455.4	454.9	454.3	453.8	453.2
125°	501.9	501.6	501.3	501.1	501.0	500.8	500.7
127.5°	548.0	547.9	547.6	547.2	546.8	546.5	546.2
130°	578.4	578.2	578.0	577.6	577.3	576.9	576.6
132.5°	607.5	607.3	607.0	606.5	606.0	605.5	605.0
135°	652.4	652.4	652.1	651.4	650.7	650.0	649.3
137.5°	696.2	696.5	696.2	695.3	694.4	693.6	692.7
140°	723.9	724.3	724.0	723.1	722.2	721.4	720.5
142.5°	750.7	750.9	750.6	749.7	748.8	748.0	747.0
145°	789.3	789.3	789.0	788.5	788.0	787.4	787.0
147.5°	825.7	826.1	825.7	824.5	823.3	822.1	820.9
150°	847.8	847.8	847.6	847.3	846.9	846.6	846.2
152.5°	869.3	869.7	869.7	869.0	868.4	867.8	867.1
155°	899.8	900.5	900.4	899.5	898.6	897.7	896.8
157.5°	925.8	926.5	926.3	925.2	924.0	922.8	921.7
160°	941.7	942.4	942.3	941.4	940.6	939.7	938.7
162.5°	956.6	957.5	957.4	956.4	955.4	954.3	953.3
165°	976.4	977.2	977.0	976.0	974.9	973.8	972.8
167.5°	991.6	992.7	992.6	991.6	990.5	989.4	988.2
170°	1000.4	1001.5	1001.4	1000.2	998.9	997.8	996.5
172.5°	1006.8	1007.8	1007.8	1006.7	1005.7	1004.6	1003.5
175°	1013.9	1014.9	1014.9	1013.7	1012.4	1011.1	1010.0
177.5°	1016.9	1017.7	1017.7	1016.7	1015.7	1014.7	1013.8
180°	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3	1016.3

(END OF REPORT)