

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: P332800-927

Luminaire Tested: **S124DIW-S795D1560U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332800-927
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-S795D1560U927-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7095.7 lumens
Efficiency: N/A
Efficacy: 104.2 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

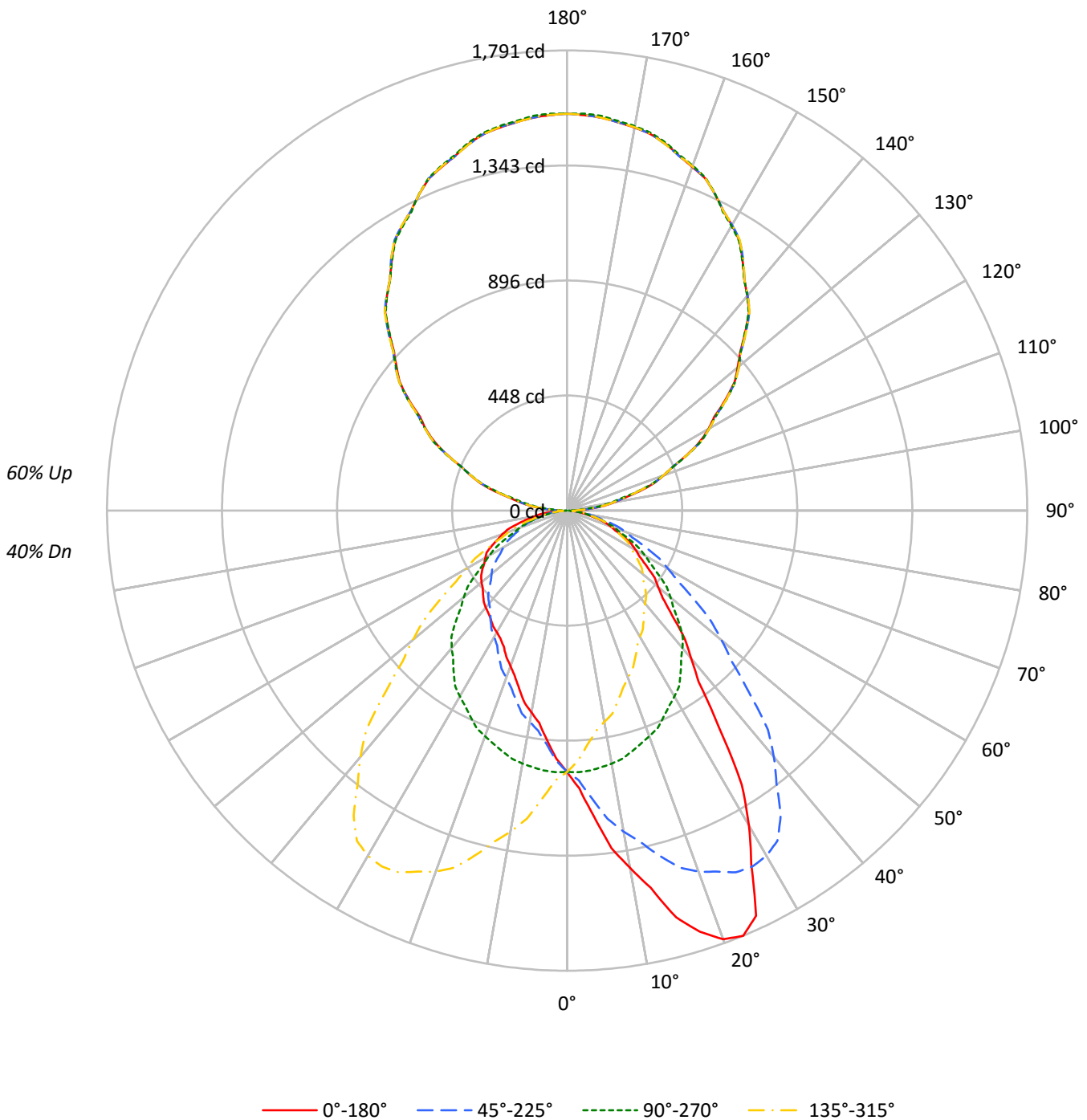
Input Watts (W): 68.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	105	105	105	95	95	95	95	78	78	78	61	61	61	47	47	47	40
1	96	91	88	84	87	83	80	77	68	66	64	54	53	51	41	40	40	34
2	87	80	74	69	79	73	68	64	60	56	53	48	45	43	37	35	34	28
3	80	70	63	58	72	64	58	53	53	49	45	42	39	37	33	31	29	24
4	73	62	55	49	66	57	50	45	47	42	38	38	34	32	29	27	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	24	22	18
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16
7	57	45	37	32	52	41	35	30	34	29	25	28	24	21	22	19	17	14
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	17	15	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	26	22	18	22	18	15	17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8211	8211	8211	8211
5°	9669	8232	7266	8232
10°	11576	8196	6542	8196
15°	13697	8113	6007	8113
20°	15253	8028	5530	8028
25°	15499	7904	5201	7904
30°	13189	7784	5097	7784
35°	10139	7591	5099	7591
40°	7904	7361	5195	7361
45°	6590	7018	5281	7018
50°	5800	6599	5461	6599
55°	5313	6096	5681	6096
60°	4979	5646	5945	5646
65°	4634	5142	6164	5142
70°	4237	4645	6305	4645
75°	3787	4086	6229	4086
80°	3175	3347	6034	3347
85°	2343	2418	5771	2418



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.1	1.4
10°-20°	305.4	4.3
20°-30°	484.3	6.8
30°-40°	539.0	7.6
40°-50°	490.6	6.9
50°-60°	400.9	5.6
60°-70°	286.2	4.0
70°-80°	157.6	2.2
80°-90°	47.6	0.7
90°-100°	101.9	1.4
100°-110°	301.8	4.3
110°-120°	512.2	7.2
120°-130°	675.4	9.5
130°-140°	758.5	10.7
140°-150°	745.3	10.5
150°-160°	626.9	8.8
160°-170°	417.1	5.9
170°-180°	146.1	2.1
0°-30°	888.8	12.5
0°-40°	1427.7	20.1
0°-60°	2319.2	32.7
0°-90°	2810.7	39.6
90°-120°	915.8	12.9
90°-150°	3095.0	43.6
90°-180°	4285.0	60.4
0°-180°	7095.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1017	1017	1017	1017	1017	
5°	1193	1016	897	1016	1193	121
15°	1639	971	719	971	1639	463
25°	1740	887	584	887	1740	767
35°	1029	770	517	770	1029	653
45°	577	615	463	615	577	455
55°	378	433	404	433	378	341
65°	243	269	323	269	243	240
75°	121	131	200	131	121	129
85°	25	26	62	26	25	32
90°	36	4	36	4	36	19
95°	94	72	94	72	94	98
105°	291	278	291	278	291	307
115°	516	521	516	521	516	510
125°	752	758	752	758	752	671
135°	980	978	980	978	980	756
145°	1190	1188	1190	1188	1190	744
155°	1360	1362	1360	1362	1360	626
165°	1479	1482	1479	1482	1479	416
175°	1535	1542	1535	1542	1535	146
180°	1544	1544	1544	1544	1544	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	1082.4	1082.1	1078.7	1078.1	1075.7	1072.7	1072.0	1066.6	1055.8	1050.8	1049.4
5°	1193.2	1201.6	1190.6	1188.5	1187.2	1173.4	1166.2	1157.8	1138.4	1127.0	1118.2
7.5°	1325.3	1326.3	1321.5	1317.6	1306.9	1294.7	1276.6	1257.2	1234.1	1210.1	1192.0
10°	1412.2	1415.6	1410.2	1409.3	1387.8	1374.4	1347.3	1324.6	1298.5	1269.4	1242.9
12.5°	1504.0	1499.2	1496.4	1478.4	1474.4	1449.9	1418.5	1395.0	1354.8	1321.4	1286.0
15°	1638.9	1629.7	1623.7	1598.9	1586.7	1552.5	1519.2	1493.6	1440.9	1390.8	1352.8
17.5°	1718.1	1727.4	1713.7	1703.5	1671.9	1648.0	1614.0	1560.0	1518.9	1456.6	1408.7
20°	1775.4	1776.2	1768.7	1758.2	1733.3	1703.0	1665.9	1606.9	1557.6	1495.6	1430.0
22.5°	1790.9	1791.1	1787.9	1778.1	1759.2	1734.6	1697.3	1648.0	1588.2	1520.9	1455.2
25°	1740.0	1738.4	1742.2	1753.1	1745.9	1738.4	1716.8	1680.2	1624.6	1553.4	1482.6
27.5°	1550.9	1562.6	1584.0	1610.9	1636.9	1656.7	1662.2	1654.7	1620.3	1561.7	1487.6
30°	1414.8	1429.1	1445.1	1472.0	1524.3	1554.3	1587.1	1611.9	1598.1	1551.3	1482.2
32.5°	1265.1	1268.7	1292.4	1323.1	1371.0	1428.5	1480.6	1531.1	1547.8	1523.3	1465.7
35°	1028.8	1034.7	1060.4	1090.8	1149.4	1219.7	1298.1	1368.0	1425.7	1448.9	1419.4
37.5°	839.6	856.5	874.6	907.3	958.9	1022.2	1103.6	1194.1	1280.1	1337.8	1347.5
40°	750.0	760.5	773.6	798.4	842.2	904.6	974.5	1078.2	1169.6	1252.1	1279.1
42.5°	679.1	685.3	693.3	715.8	749.2	811.2	875.0	966.2	1058.0	1156.7	1201.9
45°	577.2	583.5	597.0	610.1	635.3	678.3	737.7	812.7	905.0	1000.2	1083.6
47.5°	503.6	507.6	515.6	529.6	551.0	579.4	627.7	690.4	775.9	868.3	957.2
50°	461.8	465.1	471.4	484.1	500.5	525.8	565.4	624.0	690.9	784.1	871.2
52.5°	428.7	430.1	434.7	443.3	456.4	477.6	510.1	558.6	620.8	703.9	790.8
55°	377.5	379.2	383.4	389.8	401.1	414.5	439.4	475.6	530.0	602.1	677.5
57.5°	335.3	336.5	340.1	342.5	351.9	362.8	382.0	407.8	449.0	510.1	577.4
60°	308.4	307.5	311.8	313.9	320.2	329.5	344.2	369.1	404.9	454.2	516.1
62.5°	282.1	280.9	284.5	287.2	290.9	298.8	310.9	330.3	359.4	403.9	457.5
65°	242.6	241.0	243.1	246.4	249.9	254.1	262.9	280.2	303.3	335.3	376.2
67.5°	203.0	204.9	205.2	206.8	208.8	214.5	220.6	232.8	249.1	274.8	309.4
70°	179.5	179.9	181.6	181.6	182.8	187.9	193.0	200.1	216.1	239.7	267.9
72.5°	155.9	157.6	157.0	158.4	159.2	162.6	166.4	173.2	186.8	204.3	228.1
75°	121.4	122.6	122.6	123.0	124.3	125.6	128.5	133.6	143.2	156.3	172.8
77.5°	88.5	88.6	89.2	90.8	90.8	92.8	95.0	99.0	103.8	112.7	122.8
80°	68.3	69.1	68.7	69.6	69.6	71.2	72.0	77.1	79.2	85.1	93.1
82.5°	50.1	50.9	50.8	52.0	52.7	53.0	54.2	56.2	58.3	63.5	66.8
85°	25.3	26.1	25.3	26.1	27.4	27.8	29.1	29.5	31.2	32.5	35.4
87.5°	14.6	15.4	15.4	15.6	16.2	16.3	16.3	15.7	16.7	16.7	17.7
90°	35.8	35.3	34.8	34.2	33.7	32.6	31.1	29.5	27.9	26.3	24.2
92.5°	53.0	52.7	52.4	52.0	51.7	51.1	50.1	49.2	48.2	47.3	45.8
95°	94.3	94.3	94.3	94.3	94.3	94.0	93.2	92.4	91.6	90.8	89.0
97.5°	147.9	147.9	147.9	147.9	147.9	147.4	146.5	145.5	144.5	143.5	141.4
100°	185.1	185.1	185.1	185.1	185.1	184.9	184.3	183.8	183.3	182.8	180.4
102.5°	227.2	227.0	226.8	226.6	226.3	225.9	225.1	224.3	223.6	222.9	220.7
105°	291.4	290.7	289.9	289.1	288.3	287.5	286.7	285.9	285.1	284.3	283.2
107.5°	354.0	354.1	354.2	354.2	354.3	353.9	353.2	352.4	351.6	350.9	350.8
110°	398.9	398.2	397.4	396.6	395.8	395.6	396.2	396.7	397.2	397.8	398.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	444.8	444.7	444.5	444.3	444.2	444.2	444.3	444.3	444.5	444.6	445.0
115°	516.0	516.3	516.6	516.8	517.1	517.4	517.6	517.8	518.2	518.4	519.0
117.5°	583.8	584.4	584.9	585.4	586.0	586.7	587.6	588.5	589.4	590.3	590.7
120°	635.5	634.9	634.4	633.9	633.3	633.7	635.1	636.4	637.7	639.1	639.8
122.5°	678.5	679.5	680.4	681.4	682.3	683.3	684.1	685.0	686.0	686.8	687.2
125°	752.5	753.0	753.6	754.1	754.6	755.2	755.7	756.2	756.8	757.3	757.6
127.5°	821.1	821.5	822.0	822.4	822.8	823.2	823.8	824.3	824.8	825.4	825.9
130°	866.0	867.0	868.2	869.2	870.2	871.0	871.6	872.1	872.7	873.1	873.1
132.5°	913.8	914.2	914.7	915.0	915.4	915.9	916.5	917.0	917.6	918.1	918.3
135°	979.5	980.2	981.0	981.8	982.6	983.3	983.9	984.4	984.9	985.5	985.5
137.5°	1048.5	1048.4	1048.2	1048.1	1047.9	1048.1	1048.8	1049.6	1050.2	1050.9	1050.5
140°	1090.6	1090.8	1091.1	1091.4	1091.6	1091.9	1092.2	1092.4	1092.7	1093.0	1093.0
142.5°	1132.6	1132.7	1132.7	1132.7	1132.8	1132.9	1132.9	1133.0	1133.1	1133.1	1133.3
145°	1189.7	1190.5	1191.3	1192.1	1192.9	1193.4	1193.7	1194.0	1194.2	1194.5	1194.2
147.5°	1247.5	1247.8	1248.1	1248.3	1248.6	1248.8	1249.0	1249.3	1249.4	1249.7	1249.9
150°	1282.9	1283.2	1283.4	1283.7	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0
152.5°	1315.3	1316.1	1316.8	1317.4	1318.1	1318.1	1317.5	1316.8	1316.2	1315.6	1315.4
155°	1360.5	1361.6	1362.6	1363.7	1364.8	1364.8	1363.7	1362.6	1361.6	1360.5	1360.8
157.5°	1400.9	1401.8	1402.7	1403.6	1404.5	1404.5	1403.7	1403.0	1402.2	1401.4	1401.4
160°	1423.8	1425.1	1426.5	1427.8	1429.1	1429.4	1428.6	1427.8	1427.0	1426.2	1426.5
162.5°	1447.7	1449.1	1450.4	1451.7	1453.0	1452.9	1451.5	1450.1	1448.7	1447.2	1447.5
165°	1478.8	1479.8	1480.9	1481.9	1483.0	1482.7	1481.1	1479.6	1478.0	1476.4	1476.9
167.5°	1500.9	1502.6	1504.3	1505.9	1507.6	1507.6	1506.0	1504.4	1502.8	1501.3	1501.2
170°	1513.4	1515.3	1517.1	1519.0	1520.8	1521.0	1519.4	1517.8	1516.2	1514.6	1514.3
172.5°	1523.9	1525.7	1527.6	1529.5	1531.4	1531.4	1529.5	1527.8	1526.0	1524.2	1524.1
175°	1534.9	1536.8	1538.7	1540.5	1542.4	1542.4	1540.5	1538.7	1536.8	1534.9	1535.2
177.5°	1540.6	1542.4	1544.0	1545.7	1547.4	1547.5	1546.0	1544.6	1543.1	1541.6	1541.6
180°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	1049.7	1045.0	1041.6	1038.9	1031.6	1027.1	1023.8	1019.1	1013.7	1008.0	1000.8
5°	1109.3	1095.0	1084.5	1068.4	1053.3	1040.6	1027.6	1015.8	1001.5	985.9	974.5
7.5°	1172.0	1150.6	1123.3	1099.6	1073.0	1049.8	1029.1	1007.9	985.8	964.4	944.8
10°	1211.7	1184.3	1154.0	1118.2	1084.5	1054.6	1026.7	999.8	973.7	947.5	925.2
12.5°	1254.5	1220.4	1175.5	1133.7	1095.9	1055.9	1022.4	989.4	957.8	930.3	904.3
15°	1311.9	1262.7	1210.9	1154.8	1105.1	1058.4	1012.4	970.7	935.3	899.0	873.8
17.5°	1347.3	1286.3	1227.0	1168.5	1108.3	1049.3	999.8	951.6	907.4	871.3	839.5
20°	1370.6	1309.9	1236.1	1177.6	1106.0	1045.3	988.0	934.5	888.1	849.8	816.9
22.5°	1390.8	1320.6	1246.9	1169.8	1098.5	1034.2	971.5	917.6	870.3	829.9	798.4
25°	1401.7	1321.2	1241.2	1164.5	1083.6	1007.3	950.5	887.3	836.7	794.2	760.5
27.5°	1402.9	1316.8	1226.3	1141.1	1057.6	986.6	914.7	858.3	805.8	760.8	728.4
30°	1399.2	1309.5	1212.1	1119.8	1036.0	958.9	896.6	835.0	781.6	736.9	703.1
32.5°	1387.3	1294.0	1193.9	1096.2	1009.4	934.0	869.6	811.1	759.0	714.9	679.6
35°	1353.3	1261.0	1154.4	1052.9	963.9	887.7	829.6	770.2	718.0	676.2	642.1
37.5°	1299.9	1216.5	1108.1	1003.1	915.8	839.2	781.6	727.9	680.7	638.3	603.4
40°	1253.4	1180.1	1071.4	969.0	874.6	801.8	747.8	698.5	651.8	611.7	578.5
42.5°	1199.8	1135.9	1035.7	927.2	836.2	763.0	710.4	666.1	622.1	585.1	551.8
45°	1104.2	1062.2	967.7	867.5	772.7	703.6	653.5	614.7	577.7	541.4	513.6
47.5°	994.3	973.5	894.1	798.8	708.8	640.7	597.2	561.4	528.9	498.3	473.7
50°	920.6	910.5	841.8	750.0	664.0	599.9	556.1	525.4	497.6	470.6	447.4
52.5°	847.8	847.4	785.5	701.4	621.9	560.2	516.7	488.0	463.9	442.0	421.1
55°	736.5	748.2	699.8	624.8	553.6	498.0	458.8	433.1	416.3	398.2	382.5
57.5°	634.2	653.8	613.9	547.8	488.4	437.1	403.1	383.7	365.8	354.8	343.5
60°	567.5	586.1	554.8	499.2	443.2	399.4	366.9	349.7	334.1	326.5	318.5
62.5°	508.2	524.7	501.6	450.0	401.4	359.3	331.9	315.3	304.8	296.5	291.2
65°	423.4	437.3	417.6	380.0	338.3	304.6	282.3	269.2	259.1	255.7	249.9
67.5°	342.3	354.9	344.2	312.4	278.9	253.3	235.9	223.4	217.4	214.4	210.2
70°	294.1	306.7	295.3	267.5	241.9	220.4	203.9	196.8	190.4	189.2	183.2
72.5°	253.3	261.9	250.5	228.8	206.8	188.7	175.9	168.4	165.2	162.9	159.7
75°	190.0	197.6	190.0	173.2	157.6	145.0	134.0	131.0	127.2	126.0	123.9
77.5°	134.5	141.1	135.2	124.7	113.0	103.3	97.4	93.6	92.8	90.5	91.6
80°	102.8	107.0	101.6	94.3	85.1	78.3	74.1	72.0	69.6	68.7	70.3
82.5°	73.8	75.7	72.9	68.0	61.2	56.8	53.9	51.5	51.0	51.2	51.2
85°	38.3	37.9	37.5	33.3	31.2	28.2	26.5	26.1	25.7	26.5	27.4
87.5°	17.2	17.1	16.4	14.5	12.9	11.3	10.4	9.5	10.4	11.3	12.3
90°	22.0	19.9	17.8	15.3	12.4	9.4	6.5	3.6	6.5	9.4	12.4
92.5°	44.4	42.9	41.4	39.0	35.6	32.2	28.9	25.6	28.9	32.2	35.6
95°	87.1	85.2	83.3	81.2	78.8	76.4	74.1	71.7	74.1	76.4	78.8
97.5°	139.2	137.0	134.9	132.8	130.9	129.0	127.1	125.2	127.1	129.0	130.9
100°	178.0	175.6	173.2	171.5	170.4	169.4	168.3	167.2	168.3	169.4	170.4
102.5°	218.6	216.3	214.2	212.9	212.5	212.1	211.6	211.2	211.6	212.1	212.5
105°	282.2	281.1	280.0	279.4	279.1	278.8	278.6	278.3	278.6	278.8	279.1
107.5°	350.6	350.5	350.3	350.1	349.7	349.4	349.1	348.8	349.1	349.4	349.7
110°	398.3	398.5	398.9	398.7	398.2	397.6	397.1	396.6	397.1	397.6	398.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	445.5	446.0	446.5	446.7	446.6	446.5	446.4	446.2	446.4	446.5	446.6
115°	519.4	520.0	520.5	520.8	520.8	520.8	520.8	520.8	520.8	520.8	520.8
117.5°	591.0	591.4	591.8	591.9	591.7	591.4	591.2	591.0	591.2	591.4	591.7
120°	640.6	641.4	642.2	642.1	641.0	640.0	638.9	637.9	638.9	640.0	641.0
122.5°	687.5	687.9	688.3	688.2	687.9	687.5	687.0	686.6	687.0	687.5	687.9
125°	757.8	758.1	758.4	758.5	758.5	758.5	758.5	758.5	758.5	758.5	758.5
127.5°	826.2	826.6	827.1	826.9	826.1	825.3	824.5	823.7	824.5	825.3	826.1
130°	873.1	873.1	873.1	872.7	872.0	871.2	870.4	869.6	870.4	871.2	872.0
132.5°	918.5	918.7	918.9	918.8	918.1	917.6	917.0	916.4	917.0	917.6	918.1
135°	985.5	985.5	985.5	984.7	983.1	981.4	979.9	978.3	979.9	981.4	983.1
137.5°	1050.0	1049.6	1049.2	1048.6	1047.9	1047.1	1046.4	1045.7	1046.4	1047.1	1047.9
140°	1093.0	1093.0	1093.0	1092.7	1092.2	1091.6	1091.1	1090.6	1091.1	1091.6	1092.2
142.5°	1133.5	1133.7	1133.9	1133.8	1133.2	1132.7	1132.2	1131.6	1132.2	1132.7	1133.2
145°	1194.0	1193.7	1193.4	1192.8	1191.7	1190.6	1189.5	1188.5	1189.5	1190.6	1191.7
147.5°	1250.1	1250.3	1250.5	1250.0	1248.7	1247.4	1246.2	1244.9	1246.2	1247.4	1248.7
150°	1284.0	1284.0	1284.0	1283.6	1282.5	1281.4	1280.3	1279.3	1280.3	1281.4	1282.5
152.5°	1315.2	1314.9	1314.8	1314.3	1313.7	1313.0	1312.4	1311.8	1312.4	1313.0	1313.7
155°	1361.0	1361.3	1361.6	1361.7	1361.7	1361.7	1361.7	1361.7	1361.7	1361.7	1361.7
157.5°	1401.4	1401.5	1401.6	1401.8	1402.3	1402.8	1403.3	1403.7	1403.3	1402.8	1402.3
160°	1426.7	1427.0	1427.3	1427.5	1427.8	1428.1	1428.3	1428.6	1428.3	1428.1	1427.8
162.5°	1447.8	1448.0	1448.3	1448.7	1449.5	1450.2	1450.9	1451.5	1450.9	1450.2	1449.5
165°	1477.4	1478.0	1478.5	1479.2	1480.0	1480.7	1481.5	1482.3	1481.5	1480.7	1480.0
167.5°	1501.1	1501.1	1501.0	1501.6	1502.7	1503.8	1504.9	1506.0	1504.9	1503.8	1502.7
170°	1514.1	1513.8	1513.5	1514.1	1515.4	1516.7	1518.1	1519.4	1518.1	1516.7	1515.4
172.5°	1524.1	1524.0	1523.9	1524.5	1525.6	1526.7	1527.8	1528.9	1527.8	1526.7	1525.6
175°	1535.4	1535.7	1536.0	1536.8	1538.1	1539.4	1540.7	1542.1	1540.7	1539.4	1538.1
177.5°	1541.6	1541.6	1541.6	1542.1	1543.2	1544.3	1545.3	1546.3	1545.3	1544.3	1543.2
180°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	997.5	994.5	990.1	984.0	979.0	973.6	972.2	970.2	974.2	970.9	969.9
5°	964.8	955.9	944.6	931.5	923.9	913.0	910.9	906.7	902.5	902.1	897.8
7.5°	930.2	917.2	902.3	889.0	876.6	864.7	856.9	855.2	849.0	845.3	841.1
10°	907.9	891.9	874.6	862.0	847.7	835.0	826.2	821.2	816.9	812.3	808.1
12.5°	881.6	864.6	850.4	836.7	819.7	810.1	795.5	786.8	785.9	786.0	775.1
15°	851.0	834.2	812.3	792.9	783.6	765.1	757.1	746.9	740.7	734.4	729.3
17.5°	816.1	795.1	778.0	755.7	738.1	723.3	712.8	706.7	697.2	688.2	681.8
20°	794.2	771.8	753.8	730.2	710.7	692.6	683.8	675.3	668.2	660.6	653.5
22.5°	771.9	748.6	726.4	703.5	685.5	666.4	657.8	646.3	639.5	635.3	628.2
25°	736.9	711.6	686.3	664.4	645.9	629.0	617.7	608.8	601.2	597.9	593.2
27.5°	698.8	673.7	649.3	624.4	603.3	591.1	582.0	575.4	570.9	566.5	564.4
30°	674.5	648.4	622.3	599.1	579.7	567.5	559.0	554.4	551.0	549.0	546.8
32.5°	649.9	624.2	596.7	575.5	558.2	547.3	540.9	536.2	534.6	533.8	533.1
35°	610.5	584.4	559.0	540.1	523.7	519.5	514.0	511.5	510.6	513.6	514.8
37.5°	572.3	548.0	524.8	506.4	495.7	489.5	487.6	487.7	490.8	493.4	496.4
40°	547.7	524.1	502.2	486.2	476.1	472.3	471.4	473.6	476.9	479.9	483.2
42.5°	523.8	500.5	480.6	465.6	458.6	455.1	455.6	457.7	462.4	466.0	471.1
45°	486.6	467.2	447.8	435.6	429.8	430.6	430.6	434.4	439.0	444.5	450.0
47.5°	451.6	432.1	416.1	405.9	402.8	402.1	404.5	409.4	416.1	422.9	430.5
50°	428.0	409.5	395.6	386.3	382.9	384.2	387.6	392.2	400.2	408.7	416.7
52.5°	404.1	387.3	374.4	365.8	363.5	365.7	369.1	376.4	383.4	392.5	402.2
55°	366.9	352.6	342.5	336.2	335.3	336.6	340.4	348.4	358.5	369.9	379.2
57.5°	329.9	318.0	308.7	304.4	304.8	305.9	312.2	321.7	332.5	344.6	356.6
60°	305.1	294.1	286.5	283.1	283.5	286.1	293.7	302.5	316.0	327.8	340.4
62.5°	281.5	271.8	264.6	261.6	260.9	266.5	273.8	283.0	296.4	309.6	323.2
65°	243.5	235.9	230.0	228.4	229.7	233.9	243.1	255.3	266.7	280.6	294.9
67.5°	206.4	200.2	196.1	196.9	198.4	204.7	212.5	222.9	235.8	250.3	264.4
70°	182.8	177.0	173.6	174.0	176.5	184.1	190.8	201.4	215.3	230.0	241.9
72.5°	158.6	154.7	151.7	153.4	156.0	161.2	169.6	180.1	192.3	206.1	218.6
75°	121.8	121.8	120.1	121.4	125.2	130.2	136.5	147.4	159.7	170.6	180.8
77.5°	90.3	89.4	90.5	92.1	94.2	100.2	107.4	115.3	124.5	135.4	143.8
80°	69.1	69.6	71.6	74.1	75.0	79.6	87.2	94.3	101.6	110.8	118.8
82.5°	51.9	52.4	53.4	56.6	57.4	62.4	67.3	74.5	81.0	87.2	93.9
85°	28.2	28.2	30.3	31.6	33.7	37.1	40.0	44.2	50.1	54.3	60.7
87.5°	13.9	14.3	16.1	17.2	18.6	20.8	21.8	25.7	27.4	29.5	32.7
90°	15.3	17.8	19.9	22.0	24.2	26.3	27.9	29.5	31.1	32.6	33.7
92.5°	39.0	41.4	42.9	44.4	45.8	47.3	48.2	49.2	50.1	51.1	51.7
95°	81.2	83.3	85.2	87.1	89.0	90.8	91.6	92.4	93.2	94.0	94.3
97.5°	132.8	134.9	137.0	139.2	141.4	143.5	144.5	145.5	146.5	147.4	147.9
100°	171.5	173.2	175.6	178.0	180.4	182.8	183.3	183.8	184.3	184.9	185.1
102.5°	212.9	214.2	216.3	218.6	220.7	222.9	223.6	224.3	225.1	225.9	226.3
105°	279.4	280.0	281.1	282.2	283.2	284.3	285.1	285.9	286.7	287.5	288.3
107.5°	350.1	350.3	350.5	350.6	350.8	350.9	351.6	352.4	353.2	353.9	354.3
110°	398.7	398.9	398.5	398.3	398.0	397.8	397.2	396.7	396.2	395.6	395.8



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	446.7	446.5	446.0	445.5	445.0	444.6	444.5	444.3	444.3	444.2	444.2
115°	520.8	520.5	520.0	519.4	519.0	518.4	518.2	517.8	517.6	517.4	517.1
117.5°	591.9	591.8	591.4	591.0	590.7	590.3	589.4	588.5	587.6	586.7	586.0
120°	642.1	642.2	641.4	640.6	639.8	639.1	637.7	636.4	635.1	633.7	633.3
122.5°	688.2	688.3	687.9	687.5	687.2	686.8	686.0	685.0	684.1	683.3	682.3
125°	758.5	758.4	758.1	757.8	757.6	757.3	756.8	756.2	755.7	755.2	754.6
127.5°	826.9	827.1	826.6	826.2	825.9	825.4	824.8	824.3	823.8	823.2	822.8
130°	872.7	873.1	873.1	873.1	873.1	873.1	872.7	872.1	871.6	871.0	870.2
132.5°	918.8	918.9	918.7	918.5	918.3	918.1	917.6	917.0	916.5	915.9	915.4
135°	984.7	985.5	985.5	985.5	985.5	985.5	984.9	984.4	983.9	983.3	982.6
137.5°	1048.6	1049.2	1049.6	1050.0	1050.5	1050.9	1050.2	1049.6	1048.8	1048.1	1047.9
140°	1092.7	1093.0	1093.0	1093.0	1093.0	1093.0	1092.7	1092.4	1092.2	1091.9	1091.6
142.5°	1133.8	1133.9	1133.7	1133.5	1133.3	1133.1	1133.1	1133.0	1132.9	1132.9	1132.8
145°	1192.8	1193.4	1193.7	1194.0	1194.2	1194.5	1194.2	1194.0	1193.7	1193.4	1192.9
147.5°	1250.0	1250.5	1250.3	1250.1	1249.9	1249.7	1249.4	1249.3	1249.0	1248.8	1248.6
150°	1283.6	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0
152.5°	1314.3	1314.8	1314.9	1315.2	1315.4	1315.6	1316.2	1316.8	1317.5	1318.1	1318.1
155°	1361.7	1361.6	1361.3	1361.0	1360.8	1360.5	1361.6	1362.6	1363.7	1364.8	1364.8
157.5°	1401.8	1401.6	1401.5	1401.4	1401.4	1401.4	1402.2	1403.0	1403.7	1404.5	1404.5
160°	1427.5	1427.3	1427.0	1426.7	1426.5	1426.2	1427.0	1427.8	1428.6	1429.4	1429.1
162.5°	1448.7	1448.3	1448.0	1447.8	1447.5	1447.2	1448.7	1450.1	1451.5	1452.9	1453.0
165°	1479.2	1478.5	1478.0	1477.4	1476.9	1476.4	1478.0	1479.6	1481.1	1482.7	1483.0
167.5°	1501.6	1501.0	1501.1	1501.1	1501.2	1501.3	1502.8	1504.4	1506.0	1507.6	1507.6
170°	1514.1	1513.5	1513.8	1514.1	1514.3	1514.6	1516.2	1517.8	1519.4	1521.0	1520.8
172.5°	1524.5	1523.9	1524.0	1524.1	1524.1	1524.2	1526.0	1527.8	1529.5	1531.4	1531.4
175°	1536.8	1536.0	1535.7	1535.4	1535.2	1534.9	1536.8	1538.7	1540.5	1542.4	1542.4
177.5°	1542.1	1541.6	1541.6	1541.6	1541.6	1541.6	1543.1	1544.6	1546.0	1547.5	1547.4
180°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	969.2	968.5	966.1	965.8	966.1	968.5	969.2	969.9	970.9	974.2	970.2
5°	895.3	893.2	891.9	896.6	891.9	893.2	895.3	897.8	902.1	902.5	906.7
7.5°	839.6	837.9	834.2	833.1	834.2	837.9	839.6	841.1	845.3	849.0	855.2
10°	803.8	802.2	798.8	798.0	798.8	802.2	803.8	808.1	812.3	816.9	821.2
12.5°	769.4	766.1	765.4	766.3	765.4	766.1	769.4	775.1	786.0	785.9	786.8
15°	723.8	722.2	717.5	718.7	717.5	722.2	723.8	729.3	734.4	740.7	746.9
17.5°	678.8	676.8	671.1	676.1	671.1	676.8	678.8	681.8	688.2	697.2	706.7
20°	650.5	647.1	644.2	643.7	644.2	647.1	650.5	653.5	660.6	668.2	675.3
22.5°	623.5	620.5	620.3	617.5	620.3	620.5	623.5	628.2	635.3	639.5	646.3
25°	589.9	586.9	586.1	583.9	586.1	586.9	589.9	593.2	597.9	601.2	608.8
27.5°	564.0	562.5	561.0	561.7	561.0	562.5	564.0	564.4	566.5	570.9	575.4
30°	548.1	547.7	546.8	546.8	546.8	547.7	548.1	546.8	549.0	551.0	554.4
32.5°	535.0	534.9	535.4	535.4	535.4	534.9	535.0	533.1	533.8	534.6	536.2
35°	516.5	517.8	518.6	517.4	518.6	517.8	516.5	514.8	513.6	510.6	511.5
37.5°	499.9	501.1	502.3	503.7	502.3	501.1	499.9	496.4	493.4	490.8	487.7
40°	487.0	490.0	490.8	493.0	490.8	490.0	487.0	483.2	479.9	476.9	473.6
42.5°	474.9	478.2	480.4	480.8	480.4	478.2	474.9	471.1	466.0	462.4	457.7
45°	456.3	459.6	462.6	462.6	462.6	459.6	456.3	450.0	444.5	439.0	434.4
47.5°	437.0	441.9	444.8	445.6	444.8	441.9	437.0	430.5	422.9	416.1	409.4
50°	423.8	429.8	432.7	434.8	432.7	429.8	423.8	416.7	408.7	400.2	392.2
52.5°	411.1	416.9	420.9	422.0	420.9	416.9	411.1	402.2	392.5	383.4	376.4
55°	388.9	397.3	402.0	403.6	402.0	397.3	388.9	379.2	369.9	358.5	348.4
57.5°	368.0	375.7	381.1	382.4	381.1	375.7	368.0	356.6	344.6	332.5	321.7
60°	351.8	360.2	366.9	368.2	366.9	360.2	351.8	340.4	327.8	316.0	302.5
62.5°	335.3	344.0	350.1	353.4	350.1	344.0	335.3	323.2	309.6	296.4	283.0
65°	306.7	315.5	321.5	322.7	321.5	315.5	306.7	294.9	280.6	266.7	255.3
67.5°	275.5	284.4	288.3	290.7	288.3	284.4	275.5	264.4	250.3	235.8	222.9
70°	253.7	260.8	265.0	267.1	265.0	260.8	253.7	241.9	230.0	215.3	201.4
72.5°	228.7	236.1	241.1	241.5	241.1	236.1	228.7	218.6	206.1	192.3	180.1
75°	190.4	197.2	199.7	199.7	199.7	197.2	190.4	180.8	170.6	159.7	147.4
77.5°	150.8	154.2	157.4	158.0	157.4	154.2	150.8	143.8	135.4	124.5	115.3
80°	125.2	127.2	129.8	129.8	129.8	127.2	125.2	118.8	110.8	101.6	94.3
82.5°	98.9	100.6	103.1	102.8	103.1	100.6	98.9	93.9	87.2	81.0	74.5
85°	59.8	63.6	63.2	62.3	63.2	63.6	59.8	60.7	54.3	50.1	44.2
87.5°	33.8	34.2	35.4	36.1	35.4	34.2	33.8	32.7	29.5	27.4	25.7
90°	34.2	34.8	35.3	35.8	35.3	34.8	34.2	33.7	32.6	31.1	29.5
92.5°	52.0	52.4	52.7	53.0	52.7	52.4	52.0	51.7	51.1	50.1	49.2
95°	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.0	93.2	92.4
97.5°	147.9	147.9	147.9	147.9	147.9	147.9	147.9	147.9	147.4	146.5	145.5
100°	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	184.9	184.3	183.8
102.5°	226.6	226.8	227.0	227.2	227.0	226.8	226.6	226.3	225.9	225.1	224.3
105°	289.1	289.9	290.7	291.4	290.7	289.9	289.1	288.3	287.5	286.7	285.9
107.5°	354.2	354.2	354.1	354.0	354.1	354.2	354.2	354.3	353.9	353.2	352.4
110°	396.6	397.4	398.2	398.9	398.2	397.4	396.6	395.8	395.6	396.2	396.7



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	444.3	444.5	444.7	444.8	444.7	444.5	444.3	444.2	444.2	444.3	444.3
115°	516.8	516.6	516.3	516.0	516.3	516.6	516.8	517.1	517.4	517.6	517.8
117.5°	585.4	584.9	584.4	583.8	584.4	584.9	585.4	586.0	586.7	587.6	588.5
120°	633.9	634.4	634.9	635.5	634.9	634.4	633.9	633.3	633.7	635.1	636.4
122.5°	681.4	680.4	679.5	678.5	679.5	680.4	681.4	682.3	683.3	684.1	685.0
125°	754.1	753.6	753.0	752.5	753.0	753.6	754.1	754.6	755.2	755.7	756.2
127.5°	822.4	822.0	821.5	821.1	821.5	822.0	822.4	822.8	823.2	823.8	824.3
130°	869.2	868.2	867.0	866.0	867.0	868.2	869.2	870.2	871.0	871.6	872.1
132.5°	915.0	914.7	914.2	913.8	914.2	914.7	915.0	915.4	915.9	916.5	917.0
135°	981.8	981.0	980.2	979.5	980.2	981.0	981.8	982.6	983.3	983.9	984.4
137.5°	1048.1	1048.2	1048.4	1048.5	1048.4	1048.2	1048.1	1047.9	1048.1	1048.8	1049.6
140°	1091.4	1091.1	1090.8	1090.6	1090.8	1091.1	1091.4	1091.6	1091.9	1092.2	1092.4
142.5°	1132.7	1132.7	1132.7	1132.6	1132.7	1132.7	1132.7	1132.8	1132.9	1132.9	1133.0
145°	1192.1	1191.3	1190.5	1189.7	1190.5	1191.3	1192.1	1192.9	1193.4	1193.7	1194.0
147.5°	1248.3	1248.1	1247.8	1247.5	1247.8	1248.1	1248.3	1248.6	1248.8	1249.0	1249.3
150°	1283.7	1283.4	1283.2	1282.9	1283.2	1283.4	1283.7	1284.0	1284.0	1284.0	1284.0
152.5°	1317.4	1316.8	1316.1	1315.3	1316.1	1316.8	1317.4	1318.1	1318.1	1317.5	1316.8
155°	1363.7	1362.6	1361.6	1360.5	1361.6	1362.6	1363.7	1364.8	1364.8	1363.7	1362.6
157.5°	1403.6	1402.7	1401.8	1400.9	1401.8	1402.7	1403.6	1404.5	1404.5	1403.7	1403.0
160°	1427.8	1426.5	1425.1	1423.8	1425.1	1426.5	1427.8	1429.1	1429.4	1428.6	1427.8
162.5°	1451.7	1450.4	1449.1	1447.7	1449.1	1450.4	1451.7	1453.0	1452.9	1451.5	1450.1
165°	1481.9	1480.9	1479.8	1478.8	1479.8	1480.9	1481.9	1483.0	1482.7	1481.1	1479.6
167.5°	1505.9	1504.3	1502.6	1500.9	1502.6	1504.3	1505.9	1507.6	1507.6	1506.0	1504.4
170°	1519.0	1517.1	1515.3	1513.4	1515.3	1517.1	1519.0	1520.8	1521.0	1519.4	1517.8
172.5°	1529.5	1527.6	1525.7	1523.9	1525.7	1527.6	1529.5	1531.4	1531.4	1529.5	1527.8
175°	1540.5	1538.7	1536.8	1534.9	1536.8	1538.7	1540.5	1542.4	1542.4	1540.5	1538.7
177.5°	1545.7	1544.0	1542.4	1540.6	1542.4	1544.0	1545.7	1547.4	1547.5	1546.0	1544.6
180°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	972.2	973.6	979.0	984.0	990.1	994.5	997.5	1000.8	1008.0	1013.7	1019.1
5°	910.9	913.0	923.9	931.5	944.6	955.9	964.8	974.5	985.9	1001.5	1015.8
7.5°	856.9	864.7	876.6	889.0	902.3	917.2	930.2	944.8	964.4	985.8	1007.9
10°	826.2	835.0	847.7	862.0	874.6	891.9	907.9	925.2	947.5	973.7	999.8
12.5°	795.5	810.1	819.7	836.7	850.4	864.6	881.6	904.3	930.3	957.8	989.4
15°	757.1	765.1	783.6	792.9	812.3	834.2	851.0	873.8	899.0	935.3	970.7
17.5°	712.8	723.3	738.1	755.7	778.0	795.1	816.1	839.5	871.3	907.4	951.6
20°	683.8	692.6	710.7	730.2	753.8	771.8	794.2	816.9	849.8	888.1	934.5
22.5°	657.8	666.4	685.5	703.5	726.4	748.6	771.9	798.4	829.9	870.3	917.6
25°	617.7	629.0	645.9	664.4	686.3	711.6	736.9	760.5	794.2	836.7	887.3
27.5°	582.0	591.1	603.3	624.4	649.3	673.7	698.8	728.4	760.8	805.8	858.3
30°	559.0	567.5	579.7	599.1	622.3	648.4	674.5	703.1	736.9	781.6	835.0
32.5°	540.9	547.3	558.2	575.5	596.7	624.2	649.9	679.6	714.9	759.0	811.1
35°	514.0	519.5	523.7	540.1	559.0	584.4	610.5	642.1	676.2	718.0	770.2
37.5°	487.6	489.5	495.7	506.4	524.8	548.0	572.3	603.4	638.3	680.7	727.9
40°	471.4	472.3	476.1	486.2	502.2	524.1	547.7	578.5	611.7	651.8	698.5
42.5°	455.6	455.1	458.6	465.6	480.6	500.5	523.8	551.8	585.1	622.1	666.1
45°	430.6	430.6	429.8	435.6	447.8	467.2	486.6	513.6	541.4	577.7	614.7
47.5°	404.5	402.1	402.8	405.9	416.1	432.1	451.6	473.7	498.3	528.9	561.4
50°	387.6	384.2	382.9	386.3	395.6	409.5	428.0	447.4	470.6	497.6	525.4
52.5°	369.1	365.7	363.5	365.8	374.4	387.3	404.1	421.1	442.0	463.9	488.0
55°	340.4	336.6	335.3	336.2	342.5	352.6	366.9	382.5	398.2	416.3	433.1
57.5°	312.2	305.9	304.8	304.4	308.7	318.0	329.9	343.5	354.8	365.8	383.7
60°	293.7	286.1	283.5	283.1	286.5	294.1	305.1	318.5	326.5	334.1	349.7
62.5°	273.8	266.5	260.9	261.6	264.6	271.8	281.5	291.2	296.5	304.8	315.3
65°	243.1	233.9	229.7	228.4	230.0	235.9	243.5	249.9	255.7	259.1	269.2
67.5°	212.5	204.7	198.4	196.9	196.1	200.2	206.4	210.2	214.4	217.4	223.4
70°	190.8	184.1	176.5	174.0	173.6	177.0	182.8	183.2	189.2	190.4	196.8
72.5°	169.6	161.2	156.0	153.4	151.7	154.7	158.6	159.7	162.9	165.2	168.4
75°	136.5	130.2	125.2	121.4	120.1	121.8	121.8	123.9	126.0	127.2	131.0
77.5°	107.4	100.2	94.2	92.1	90.5	89.4	90.3	91.6	90.5	92.8	93.6
80°	87.2	79.6	75.0	74.1	71.6	69.6	69.1	70.3	68.7	69.6	72.0
82.5°	67.3	62.4	57.4	56.6	53.4	52.4	51.9	51.2	51.2	51.0	51.5
85°	40.0	37.1	33.7	31.6	30.3	28.2	28.2	27.4	26.5	25.7	26.1
87.5°	21.8	20.8	18.6	17.2	16.1	14.3	13.9	12.3	11.3	10.4	9.5
90°	27.9	26.3	24.2	22.0	19.9	17.8	15.3	12.4	9.4	6.5	3.6
92.5°	48.2	47.3	45.8	44.4	42.9	41.4	39.0	35.6	32.2	28.9	25.6
95°	91.6	90.8	89.0	87.1	85.2	83.3	81.2	78.8	76.4	74.1	71.7
97.5°	144.5	143.5	141.4	139.2	137.0	134.9	132.8	130.9	129.0	127.1	125.2
100°	183.3	182.8	180.4	178.0	175.6	173.2	171.5	170.4	169.4	168.3	167.2
102.5°	223.6	222.9	220.7	218.6	216.3	214.2	212.9	212.5	212.1	211.6	211.2
105°	285.1	284.3	283.2	282.2	281.1	280.0	279.4	279.1	278.8	278.6	278.3
107.5°	351.6	350.9	350.8	350.6	350.5	350.3	350.1	349.7	349.4	349.1	348.8
110°	397.2	397.8	398.0	398.3	398.5	398.9	398.7	398.2	397.6	397.1	396.6



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	444.5	444.6	445.0	445.5	446.0	446.5	446.7	446.6	446.5	446.4	446.2
115°	518.2	518.4	519.0	519.4	520.0	520.5	520.8	520.8	520.8	520.8	520.8
117.5°	589.4	590.3	590.7	591.0	591.4	591.8	591.9	591.7	591.4	591.2	591.0
120°	637.7	639.1	639.8	640.6	641.4	642.2	642.1	641.0	640.0	638.9	637.9
122.5°	686.0	686.8	687.2	687.5	687.9	688.3	688.2	687.9	687.5	687.0	686.6
125°	756.8	757.3	757.6	757.8	758.1	758.4	758.5	758.5	758.5	758.5	758.5
127.5°	824.8	825.4	825.9	826.2	826.6	827.1	826.9	826.1	825.3	824.5	823.7
130°	872.7	873.1	873.1	873.1	873.1	873.1	872.7	872.0	871.2	870.4	869.6
132.5°	917.6	918.1	918.3	918.5	918.7	918.9	918.8	918.1	917.6	917.0	916.4
135°	984.9	985.5	985.5	985.5	985.5	985.5	984.7	983.1	981.4	979.9	978.3
137.5°	1050.2	1050.9	1050.5	1050.0	1049.6	1049.2	1048.6	1047.9	1047.1	1046.4	1045.7
140°	1092.7	1093.0	1093.0	1093.0	1093.0	1093.0	1092.7	1092.2	1091.6	1091.1	1090.6
142.5°	1133.1	1133.1	1133.3	1133.5	1133.7	1133.9	1133.8	1133.2	1132.7	1132.2	1131.6
145°	1194.2	1194.5	1194.2	1194.0	1193.7	1193.4	1192.8	1191.7	1190.6	1189.5	1188.5
147.5°	1249.4	1249.7	1249.9	1250.1	1250.3	1250.5	1250.0	1248.7	1247.4	1246.2	1244.9
150°	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1283.6	1282.5	1281.4	1280.3	1279.3
152.5°	1316.2	1315.6	1315.4	1315.2	1314.9	1314.8	1314.3	1313.7	1313.0	1312.4	1311.8
155°	1361.6	1360.5	1360.8	1361.0	1361.3	1361.6	1361.7	1361.7	1361.7	1361.7	1361.7
157.5°	1402.2	1401.4	1401.4	1401.4	1401.5	1401.6	1401.8	1402.3	1402.8	1403.3	1403.7
160°	1427.0	1426.2	1426.5	1426.7	1427.0	1427.3	1427.5	1427.8	1428.1	1428.3	1428.6
162.5°	1448.7	1447.2	1447.5	1447.8	1448.0	1448.3	1448.7	1449.5	1450.2	1450.9	1451.5
165°	1478.0	1476.4	1476.9	1477.4	1478.0	1478.5	1479.2	1480.0	1480.7	1481.5	1482.3
167.5°	1502.8	1501.3	1501.2	1501.1	1501.1	1501.0	1501.6	1502.7	1503.8	1504.9	1506.0
170°	1516.2	1514.6	1514.3	1514.1	1513.8	1513.5	1514.1	1515.4	1516.7	1518.1	1519.4
172.5°	1526.0	1524.2	1524.1	1524.1	1524.0	1523.9	1524.5	1525.6	1526.7	1527.8	1528.9
175°	1536.8	1534.9	1535.2	1535.4	1535.7	1536.0	1536.8	1538.1	1539.4	1540.7	1542.1
177.5°	1543.1	1541.6	1541.6	1541.6	1541.6	1541.6	1542.1	1543.2	1544.3	1545.3	1546.3
180°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	1023.8	1027.1	1031.6	1038.9	1041.6	1045.0	1049.7	1049.4	1050.8	1055.8	1066.6
5°	1027.6	1040.6	1053.3	1068.4	1084.5	1095.0	1109.3	1118.2	1127.0	1138.4	1157.8
7.5°	1029.1	1049.8	1073.0	1099.6	1123.3	1150.6	1172.0	1192.0	1210.1	1234.1	1257.2
10°	1026.7	1054.6	1084.5	1118.2	1154.0	1184.3	1211.7	1242.9	1269.4	1298.5	1324.6
12.5°	1022.4	1055.9	1095.9	1133.7	1175.5	1220.4	1254.5	1286.0	1321.4	1354.8	1395.0
15°	1012.4	1058.4	1105.1	1154.8	1210.9	1262.7	1311.9	1352.8	1390.8	1440.9	1493.6
17.5°	999.8	1049.3	1108.3	1168.5	1227.0	1286.3	1347.3	1408.7	1456.6	1518.9	1560.0
20°	988.0	1045.3	1106.0	1177.6	1236.1	1309.9	1370.6	1430.0	1495.6	1557.6	1606.9
22.5°	971.5	1034.2	1098.5	1169.8	1246.9	1320.6	1390.8	1455.2	1520.9	1588.2	1648.0
25°	950.5	1007.3	1083.6	1164.5	1241.2	1321.2	1401.7	1482.6	1553.4	1624.6	1680.2
27.5°	914.7	986.6	1057.6	1141.1	1226.3	1316.8	1402.9	1487.6	1561.7	1620.3	1654.7
30°	896.6	958.9	1036.0	1119.8	1212.1	1309.5	1399.2	1482.2	1551.3	1598.1	1611.9
32.5°	869.6	934.0	1009.4	1096.2	1193.9	1294.0	1387.3	1465.7	1523.3	1547.8	1531.1
35°	829.6	887.7	963.9	1052.9	1154.4	1261.0	1353.3	1419.4	1448.9	1425.7	1368.0
37.5°	781.6	839.2	915.8	1003.1	1108.1	1216.5	1299.9	1347.5	1337.8	1280.1	1194.1
40°	747.8	801.8	874.6	969.0	1071.4	1180.1	1253.4	1279.1	1252.1	1169.6	1078.2
42.5°	710.4	763.0	836.2	927.2	1035.7	1135.9	1199.8	1201.9	1156.7	1058.0	966.2
45°	653.5	703.6	772.7	867.5	967.7	1062.2	1104.2	1083.6	1000.2	905.0	812.7
47.5°	597.2	640.7	708.8	798.8	894.1	973.5	994.3	957.2	868.3	775.9	690.4
50°	556.1	599.9	664.0	750.0	841.8	910.5	920.6	871.2	784.1	690.9	624.0
52.5°	516.7	560.2	621.9	701.4	785.5	847.4	847.8	790.8	703.9	620.8	558.6
55°	458.8	498.0	553.6	624.8	699.8	748.2	736.5	677.5	602.1	530.0	475.6
57.5°	403.1	437.1	488.4	547.8	613.9	653.8	634.2	577.4	510.1	449.0	407.8
60°	366.9	399.4	443.2	499.2	554.8	586.1	567.5	516.1	454.2	404.9	369.1
62.5°	331.9	359.3	401.4	450.0	501.6	524.7	508.2	457.5	403.9	359.4	330.3
65°	282.3	304.6	338.3	380.0	417.6	437.3	423.4	376.2	335.3	303.3	280.2
67.5°	235.9	253.3	278.9	312.4	344.2	354.9	342.3	309.4	274.8	249.1	232.8
70°	203.9	220.4	241.9	267.5	295.3	306.7	294.1	267.9	239.7	216.1	200.1
72.5°	175.9	188.7	206.8	228.8	250.5	261.9	253.3	228.1	204.3	186.8	173.2
75°	134.0	145.0	157.6	173.2	190.0	197.6	190.0	172.8	156.3	143.2	133.6
77.5°	97.4	103.3	113.0	124.7	135.2	141.1	134.5	122.8	112.7	103.8	99.0
80°	74.1	78.3	85.1	94.3	101.6	107.0	102.8	93.1	85.1	79.2	77.1
82.5°	53.9	56.8	61.2	68.0	72.9	75.7	73.8	66.8	63.5	58.3	56.2
85°	26.5	28.2	31.2	33.3	37.5	37.9	38.3	35.4	32.5	31.2	29.5
87.5°	10.4	11.3	12.9	14.5	16.4	17.1	17.2	17.7	16.7	16.7	15.7
90°	6.5	9.4	12.4	15.3	17.8	19.9	22.0	24.2	26.3	27.9	29.5
92.5°	28.9	32.2	35.6	39.0	41.4	42.9	44.4	45.8	47.3	48.2	49.2
95°	74.1	76.4	78.8	81.2	83.3	85.2	87.1	89.0	90.8	91.6	92.4
97.5°	127.1	129.0	130.9	132.8	134.9	137.0	139.2	141.4	143.5	144.5	145.5
100°	168.3	169.4	170.4	171.5	173.2	175.6	178.0	180.4	182.8	183.3	183.8
102.5°	211.6	212.1	212.5	212.9	214.2	216.3	218.6	220.7	222.9	223.6	224.3
105°	278.6	278.8	279.1	279.4	280.0	281.1	282.2	283.2	284.3	285.1	285.9
107.5°	349.1	349.4	349.7	350.1	350.3	350.5	350.6	350.8	350.9	351.6	352.4
110°	397.1	397.6	398.2	398.7	398.9	398.5	398.3	398.0	397.8	397.2	396.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	446.4	446.5	446.6	446.7	446.5	446.0	445.5	445.0	444.6	444.5	444.3
115°	520.8	520.8	520.8	520.8	520.5	520.0	519.4	519.0	518.4	518.2	517.8
117.5°	591.2	591.4	591.7	591.9	591.8	591.4	591.0	590.7	590.3	589.4	588.5
120°	638.9	640.0	641.0	642.1	642.2	641.4	640.6	639.8	639.1	637.7	636.4
122.5°	687.0	687.5	687.9	688.2	688.3	687.9	687.5	687.2	686.8	686.0	685.0
125°	758.5	758.5	758.5	758.5	758.4	758.1	757.8	757.6	757.3	756.8	756.2
127.5°	824.5	825.3	826.1	826.9	827.1	826.6	826.2	825.9	825.4	824.8	824.3
130°	870.4	871.2	872.0	872.7	873.1	873.1	873.1	873.1	873.1	872.7	872.1
132.5°	917.0	917.6	918.1	918.8	918.9	918.7	918.5	918.3	918.1	917.6	917.0
135°	979.9	981.4	983.1	984.7	985.5	985.5	985.5	985.5	985.5	984.9	984.4
137.5°	1046.4	1047.1	1047.9	1048.6	1049.2	1049.6	1050.0	1050.5	1050.9	1050.2	1049.6
140°	1091.1	1091.6	1092.2	1092.7	1093.0	1093.0	1093.0	1093.0	1093.0	1092.7	1092.4
142.5°	1132.2	1132.7	1133.2	1133.8	1133.9	1133.7	1133.5	1133.3	1133.1	1133.1	1133.0
145°	1189.5	1190.6	1191.7	1192.8	1193.4	1193.7	1194.0	1194.2	1194.5	1194.2	1194.0
147.5°	1246.2	1247.4	1248.7	1250.0	1250.5	1250.3	1250.1	1249.9	1249.7	1249.4	1249.3
150°	1280.3	1281.4	1282.5	1283.6	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0
152.5°	1312.4	1313.0	1313.7	1314.3	1314.8	1314.9	1315.2	1315.4	1315.6	1316.2	1316.8
155°	1361.7	1361.7	1361.7	1361.7	1361.6	1361.3	1361.0	1360.8	1360.5	1361.6	1362.6
157.5°	1403.3	1402.8	1402.3	1401.8	1401.6	1401.5	1401.4	1401.4	1401.4	1402.2	1403.0
160°	1428.3	1428.1	1427.8	1427.5	1427.3	1427.0	1426.7	1426.5	1426.2	1427.0	1427.8
162.5°	1450.9	1450.2	1449.5	1448.7	1448.3	1448.0	1447.8	1447.5	1447.2	1448.7	1450.1
165°	1481.5	1480.7	1480.0	1479.2	1478.5	1478.0	1477.4	1476.9	1476.4	1478.0	1479.6
167.5°	1504.9	1503.8	1502.7	1501.6	1501.0	1501.1	1501.1	1501.2	1501.3	1502.8	1504.4
170°	1518.1	1516.7	1515.4	1514.1	1513.5	1513.8	1514.1	1514.3	1514.6	1516.2	1517.8
172.5°	1527.8	1526.7	1525.6	1524.5	1523.9	1524.0	1524.1	1524.1	1524.2	1526.0	1527.8
175°	1540.7	1539.4	1538.1	1536.8	1536.0	1535.7	1535.4	1535.2	1534.9	1536.8	1538.7
177.5°	1545.3	1544.3	1543.2	1542.1	1541.6	1541.6	1541.6	1541.6	1541.6	1543.1	1544.6
180°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	1072.0	1072.7	1075.7	1078.1	1078.7	1082.1	1082.4
5°	1166.2	1173.4	1187.2	1188.5	1190.6	1201.6	1193.2
7.5°	1276.6	1294.7	1306.9	1317.6	1321.5	1326.3	1325.3
10°	1347.3	1374.4	1387.8	1409.3	1410.2	1415.6	1412.2
12.5°	1418.5	1449.9	1474.4	1478.4	1496.4	1499.2	1504.0
15°	1519.2	1552.5	1586.7	1598.9	1623.7	1629.7	1638.9
17.5°	1614.0	1648.0	1671.9	1703.5	1713.7	1727.4	1718.1
20°	1665.9	1703.0	1733.3	1758.2	1768.7	1776.2	1775.4
22.5°	1697.3	1734.6	1759.2	1778.1	1787.9	1791.1	1790.9
25°	1716.8	1738.4	1745.9	1753.1	1742.2	1738.4	1740.0
27.5°	1662.2	1656.7	1636.9	1610.9	1584.0	1562.6	1550.9
30°	1587.1	1554.3	1524.3	1472.0	1445.1	1429.1	1414.8
32.5°	1480.6	1428.5	1371.0	1323.1	1292.4	1268.7	1265.1
35°	1298.1	1219.7	1149.4	1090.8	1060.4	1034.7	1028.8
37.5°	1103.6	1022.2	958.9	907.3	874.6	856.5	839.6
40°	974.5	904.6	842.2	798.4	773.6	760.5	750.0
42.5°	875.0	811.2	749.2	715.8	693.3	685.3	679.1
45°	737.7	678.3	635.3	610.1	597.0	583.5	577.2
47.5°	627.7	579.4	551.0	529.6	515.6	507.6	503.6
50°	565.4	525.8	500.5	484.1	471.4	465.1	461.8
52.5°	510.1	477.6	456.4	443.3	434.7	430.1	428.7
55°	439.4	414.5	401.1	389.8	383.4	379.2	377.5
57.5°	382.0	362.8	351.9	342.5	340.1	336.5	335.3
60°	344.2	329.5	320.2	313.9	311.8	307.5	308.4
62.5°	310.9	298.8	290.9	287.2	284.5	280.9	282.1
65°	262.9	254.1	249.9	246.4	243.1	241.0	242.6
67.5°	220.6	214.5	208.8	206.8	205.2	204.9	203.0
70°	193.0	187.9	182.8	181.6	181.6	179.9	179.5
72.5°	166.4	162.6	159.2	158.4	157.0	157.6	155.9
75°	128.5	125.6	124.3	123.0	122.6	122.6	121.4
77.5°	95.0	92.8	90.8	90.8	89.2	88.6	88.5
80°	72.0	71.2	69.6	69.6	68.7	69.1	68.3
82.5°	54.2	53.0	52.7	52.0	50.8	50.9	50.1
85°	29.1	27.8	27.4	26.1	25.3	26.1	25.3
87.5°	16.3	16.3	16.2	15.6	15.4	15.4	14.6
90°	31.1	32.6	33.7	34.2	34.8	35.3	35.8
92.5°	50.1	51.1	51.7	52.0	52.4	52.7	53.0
95°	93.2	94.0	94.3	94.3	94.3	94.3	94.3
97.5°	146.5	147.4	147.9	147.9	147.9	147.9	147.9
100°	184.3	184.9	185.1	185.1	185.1	185.1	185.1
102.5°	225.1	225.9	226.3	226.6	226.8	227.0	227.2
105°	286.7	287.5	288.3	289.1	289.9	290.7	291.4
107.5°	353.2	353.9	354.3	354.2	354.2	354.1	354.0
110°	396.2	395.6	395.8	396.6	397.4	398.2	398.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	444.3	444.2	444.2	444.3	444.5	444.7	444.8
115°	517.6	517.4	517.1	516.8	516.6	516.3	516.0
117.5°	587.6	586.7	586.0	585.4	584.9	584.4	583.8
120°	635.1	633.7	633.3	633.9	634.4	634.9	635.5
122.5°	684.1	683.3	682.3	681.4	680.4	679.5	678.5
125°	755.7	755.2	754.6	754.1	753.6	753.0	752.5
127.5°	823.8	823.2	822.8	822.4	822.0	821.5	821.1
130°	871.6	871.0	870.2	869.2	868.2	867.0	866.0
132.5°	916.5	915.9	915.4	915.0	914.7	914.2	913.8
135°	983.9	983.3	982.6	981.8	981.0	980.2	979.5
137.5°	1048.8	1048.1	1047.9	1048.1	1048.2	1048.4	1048.5
140°	1092.2	1091.9	1091.6	1091.4	1091.1	1090.8	1090.6
142.5°	1132.9	1132.9	1132.8	1132.7	1132.7	1132.7	1132.6
145°	1193.7	1193.4	1192.9	1192.1	1191.3	1190.5	1189.7
147.5°	1249.0	1248.8	1248.6	1248.3	1248.1	1247.8	1247.5
150°	1284.0	1284.0	1284.0	1283.7	1283.4	1283.2	1282.9
152.5°	1317.5	1318.1	1318.1	1317.4	1316.8	1316.1	1315.3
155°	1363.7	1364.8	1364.8	1363.7	1362.6	1361.6	1360.5
157.5°	1403.7	1404.5	1404.5	1403.6	1402.7	1401.8	1400.9
160°	1428.6	1429.4	1429.1	1427.8	1426.5	1425.1	1423.8
162.5°	1451.5	1452.9	1453.0	1451.7	1450.4	1449.1	1447.7
165°	1481.1	1482.7	1483.0	1481.9	1480.9	1479.8	1478.8
167.5°	1506.0	1507.6	1507.6	1505.9	1504.3	1502.6	1500.9
170°	1519.4	1521.0	1520.8	1519.0	1517.1	1515.3	1513.4
172.5°	1529.5	1531.4	1531.4	1529.5	1527.6	1525.7	1523.9
175°	1540.5	1542.4	1542.4	1540.5	1538.7	1536.8	1534.9
177.5°	1546.0	1547.5	1547.4	1545.7	1544.0	1542.4	1540.6
180°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4

(END OF REPORT)