

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: P333545-840

Luminaire Tested: **S125RDIP-S610D1205U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333545-840  
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-S610D1205U840-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6632.3 lumens  
Efficiency: N/A  
Efficacy: 134.3 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Indirect

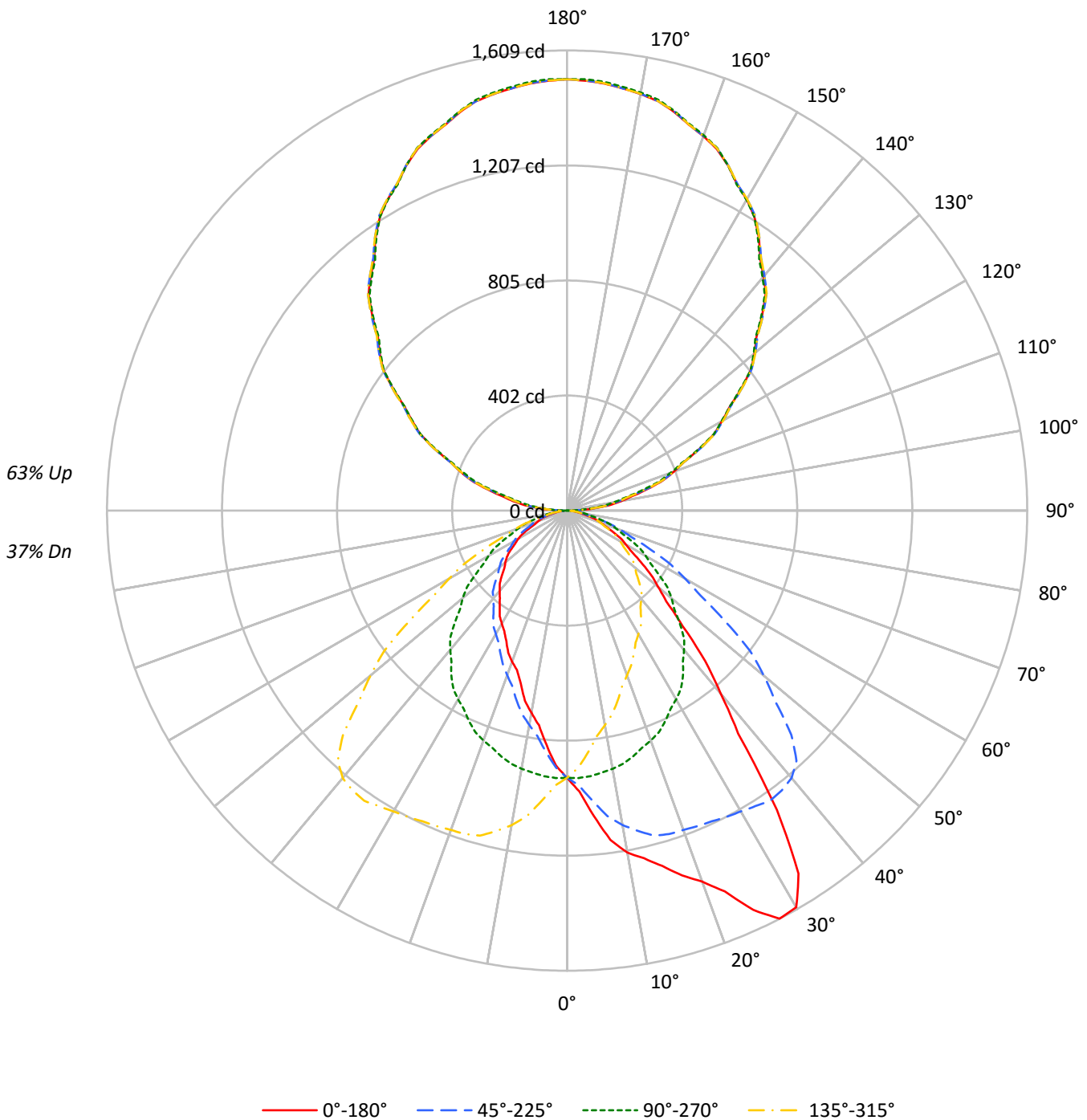
Input Watts (W): 49.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	76	76	76	59	59	59	44	44	44	37
1	95	91	87	84	86	83	79	77	67	65	63	52	51	50	39	38	38	31
2	87	80	74	69	78	73	68	63	59	55	52	46	44	42	35	33	32	27
3	79	70	63	58	72	64	58	53	52	48	44	41	38	36	31	29	28	23
4	73	62	55	49	66	57	50	45	46	42	38	37	33	31	28	26	24	20
5	67	55	48	42	60	51	44	39	42	37	33	33	30	27	25	23	21	17
6	61	50	42	36	55	45	39	34	37	32	29	30	26	23	23	20	18	15
7	57	45	37	32	51	41	34	30	34	29	25	27	23	21	21	18	16	14
8	53	41	33	28	48	37	31	26	31	26	22	25	21	18	19	17	15	12
9	49	37	30	25	44	34	28	23	28	23	20	23	19	17	18	15	13	11
10	46	34	27	22	41	31	25	21	26	21	18	21	17	15	16	14	12	10

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

	0°	90°	180°	270°
0°	6035	6035	6035	6035
5°	6944	6043	5337	6043
10°	7965	6013	4709	6013
15°	8603	5951	4186	5951
20°	9487	5880	3865	5880
25°	10979	5784	3587	5784
30°	11946	5684	3404	5684
35°	10078	5568	3236	5568
40°	7038	5359	3092	5359
45°	5221	5076	2951	5076
50°	4163	4784	2829	4784
55°	3533	4418	2721	4418
60°	3052	4093	2547	4093
65°	2720	3741	2193	3741
70°	2391	3427	1998	3427
75°	2069	2969	1876	2969
80°	1570	2499	1570	2499
85°	1312	1964	1482	1964



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.6	1.4
10°-20°	262.6	4.0
20°-30°	416.4	6.3
30°-40°	502.1	7.6
40°-50°	448.4	6.8
50°-60°	343.9	5.2
60°-70°	223.5	3.4
70°-80°	108.6	1.6
80°-90°	29.2	0.4
90°-100°	101.0	1.5
100°-110°	298.2	4.5
110°-120°	505.2	7.6
120°-130°	664.8	10.0
130°-140°	745.0	11.2
140°-150°	730.1	11.0
150°-160°	613.2	9.2
160°-170°	407.6	6.1
170°-180°	142.7	2.2
0°-30°	768.6	11.6
0°-40°	1270.8	19.2
0°-60°	2063.1	31.1
0°-90°	2424.4	36.6
90°-120°	904.4	13.6
90°-150°	3044.3	45.9
90°-180°	4208.0	63.4
0°-180°	6632.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	934	934	934	934	934	
5°	1071	932	823	932	1071	107
15°	1287	890	626	890	1287	369
25°	1541	812	503	812	1541	707
35°	1278	706	410	706	1278	772
45°	572	556	323	556	572	456
55°	314	392	242	392	314	285
65°	178	245	144	245	178	177
75°	83	119	75	119	83	88
85°	18	26	20	26	18	21
90°	28	1	28	1	28	17
95°	101	76	101	76	101	103
105°	291	268	291	268	291	308
115°	510	506	510	506	510	505
125°	743	738	743	738	743	663
135°	963	960	963	960	963	743
145°	1168	1163	1168	1163	1168	729
155°	1331	1331	1331	1331	1331	612
165°	1443	1447	1443	1447	1443	407
175°	1498	1504	1498	1504	1498	142
180°	1508	1508	1508	1508	1508	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	983.0	982.4	983.6	980.2	980.6	975.3	975.3	971.3	966.1	962.1	960.3
5°	1071.1	1071.9	1070.3	1064.5	1060.7	1054.9	1048.4	1036.9	1027.3	1018.1	1010.9
7.5°	1161.7	1162.3	1157.2	1155.5	1145.8	1138.7	1124.3	1108.6	1094.7	1077.0	1063.6
10°	1214.6	1214.2	1208.8	1204.6	1196.1	1185.4	1171.1	1152.8	1135.5	1116.3	1097.9
12.5°	1245.3	1244.3	1242.5	1237.4	1229.6	1220.0	1208.0	1189.9	1168.6	1147.6	1126.2
15°	1286.7	1283.9	1279.0	1272.4	1261.3	1250.2	1236.8	1220.7	1200.3	1176.6	1156.6
17.5°	1337.9	1338.0	1330.3	1321.3	1306.2	1286.5	1265.8	1239.8	1212.1	1186.0	1164.8
20°	1380.3	1379.1	1371.4	1353.8	1336.6	1312.0	1288.2	1256.4	1222.6	1188.4	1162.0
22.5°	1441.0	1438.0	1430.1	1406.8	1380.1	1348.5	1312.1	1273.2	1232.4	1193.7	1158.9
25°	1540.7	1538.3	1522.6	1495.7	1458.1	1409.4	1361.8	1308.5	1249.8	1198.8	1156.6
27.5°	1608.7	1606.2	1594.6	1572.3	1537.5	1486.3	1421.9	1350.7	1277.4	1207.2	1146.3
30°	1601.9	1607.7	1606.2	1595.9	1569.7	1523.7	1464.3	1384.1	1297.0	1214.6	1142.1
32.5°	1505.6	1510.8	1524.3	1544.6	1546.1	1527.7	1483.3	1409.3	1319.1	1225.3	1138.6
35°	1278.2	1285.2	1311.2	1352.2	1405.9	1450.9	1460.1	1420.2	1339.2	1238.3	1133.6
37.5°	982.7	1020.5	1042.4	1085.6	1166.7	1249.3	1328.7	1358.0	1323.5	1232.9	1125.4
40°	834.8	843.9	883.1	931.8	1000.1	1086.0	1199.2	1280.9	1283.5	1220.7	1112.5
42.5°	714.5	726.1	753.0	791.8	850.3	936.2	1053.1	1160.9	1210.8	1186.9	1095.6
45°	571.6	580.4	600.0	629.9	674.8	745.8	846.3	971.0	1070.0	1108.6	1050.4
47.5°	469.6	474.3	491.3	514.1	547.3	599.1	676.8	785.1	903.8	987.0	978.9
50°	414.3	419.7	432.7	450.0	478.0	521.7	583.9	674.0	796.4	898.1	918.4
52.5°	371.3	375.8	384.0	400.3	423.3	457.0	507.2	588.8	698.8	806.9	853.9
55°	313.8	316.9	323.4	332.5	351.0	375.2	418.5	474.9	563.9	672.9	741.9
57.5°	266.4	267.9	272.1	280.5	293.3	310.9	342.2	390.1	453.9	552.0	628.2
60°	236.3	237.8	243.2	248.9	258.9	275.1	299.6	333.0	394.4	475.3	552.4
62.5°	212.4	213.3	215.6	221.4	230.0	242.6	261.9	289.1	337.9	409.0	481.8
65°	178.0	178.3	179.2	183.8	189.1	198.3	211.0	230.1	267.0	320.7	385.2
67.5°	145.0	145.5	148.2	149.9	155.4	160.3	167.7	182.4	208.3	244.5	294.6
70°	126.6	126.2	128.9	130.8	132.7	138.5	143.5	155.3	171.5	199.1	241.0
72.5°	109.4	108.5	109.6	110.3	112.8	116.7	121.7	129.0	141.4	160.5	192.4
75°	82.9	83.2	83.2	84.0	85.9	87.5	89.0	92.8	99.8	112.4	129.7
77.5°	58.2	57.6	59.2	59.4	60.5	62.2	63.5	65.0	67.9	73.1	82.0
80°	42.2	42.2	42.6	43.7	43.3	44.1	46.0	47.6	51.0	54.1	57.2
82.5°	32.4	32.1	32.4	32.7	32.6	33.3	34.0	34.3	35.6	37.2	39.4
85°	17.7	17.7	18.1	18.1	18.4	18.4	18.8	18.8	18.8	19.2	19.6
87.5°	12.4	11.9	11.4	11.3	11.4	11.8	11.3	10.7	10.5	10.2	10.1
90°	28.2	27.4	26.6	25.9	25.0	24.0	22.7	21.4	20.1	18.8	17.0
92.5°	55.3	54.8	54.2	53.6	53.1	51.9	50.2	48.5	46.8	45.0	42.8
95°	100.9	100.4	99.9	99.4	98.9	97.7	95.8	94.0	92.2	90.4	87.8
97.5°	153.0	152.7	152.4	152.1	151.8	150.8	149.1	147.3	145.6	143.9	140.3
100°	192.5	192.0	191.4	190.9	190.4	188.9	186.6	184.2	181.9	179.6	176.1
102.5°	231.9	231.2	230.5	229.7	228.9	227.3	224.8	222.2	219.6	217.1	215.4
105°	291.0	290.2	289.4	288.7	287.9	286.7	285.2	283.6	282.1	280.4	278.9
107.5°	351.5	351.6	351.7	351.7	351.8	351.4	350.6	349.8	349.1	348.3	347.1
110°	396.7	396.9	397.2	397.4	397.7	397.4	396.7	395.9	395.1	394.3	393.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	440.8	441.2	441.7	442.2	442.6	442.7	442.3	442.0	441.6	441.2	440.2
115°	510.5	510.7	511.0	511.3	511.5	511.8	512.0	512.3	512.6	512.8	512.3
117.5°	578.6	579.6	580.7	581.7	582.7	583.1	582.9	582.7	582.5	582.3	581.8
120°	625.5	626.5	627.5	628.6	629.7	630.2	630.2	630.2	630.2	630.2	630.0
122.5°	672.5	673.3	674.1	674.9	675.8	676.3	676.5	676.7	676.9	677.1	676.4
125°	742.9	743.1	743.4	743.7	743.9	744.3	744.8	745.3	745.8	746.4	746.1
127.5°	810.4	810.9	811.4	812.0	812.5	812.9	813.1	813.4	813.6	814.0	813.6
130°	855.5	856.0	856.6	857.1	857.6	858.0	858.2	858.5	858.8	859.0	858.5
132.5°	897.8	898.5	899.2	899.9	900.7	901.1	901.4	901.7	901.9	902.2	902.3
135°	963.4	964.5	965.5	966.5	967.7	968.2	968.2	968.2	968.2	968.2	967.9
137.5°	1027.7	1029.1	1030.4	1031.7	1033.0	1033.5	1033.2	1032.9	1032.5	1032.2	1031.7
140°	1069.0	1070.4	1071.7	1073.0	1074.3	1074.7	1074.2	1073.6	1073.1	1072.6	1071.8
142.5°	1108.5	1109.8	1111.2	1112.4	1113.7	1114.2	1113.9	1113.6	1113.3	1113.0	1112.0
145°	1167.6	1168.4	1169.2	1170.0	1170.7	1171.1	1171.1	1171.1	1171.1	1171.1	1170.3
147.5°	1218.1	1219.9	1221.6	1223.5	1225.2	1225.8	1225.2	1224.6	1223.9	1223.2	1222.6
150°	1255.7	1256.2	1256.7	1257.2	1257.8	1258.0	1258.0	1258.0	1258.0	1258.0	1257.0
152.5°	1286.7	1287.6	1288.5	1289.5	1290.4	1290.5	1289.9	1289.3	1288.7	1288.1	1287.7
155°	1330.8	1332.1	1333.3	1334.6	1336.0	1336.2	1335.0	1334.0	1333.0	1331.9	1331.7
157.5°	1367.7	1369.4	1371.1	1372.8	1374.5	1374.8	1373.8	1372.7	1371.7	1370.7	1370.4
160°	1393.0	1394.2	1395.5	1396.8	1398.2	1398.3	1397.2	1396.2	1395.1	1394.1	1393.9
162.5°	1414.5	1416.0	1417.5	1419.1	1420.6	1420.8	1419.5	1418.3	1416.9	1415.7	1415.6
165°	1443.4	1445.0	1446.5	1448.1	1449.7	1450.0	1448.9	1447.8	1446.8	1445.7	1445.5
167.5°	1466.4	1468.0	1469.7	1471.3	1472.9	1472.9	1471.4	1469.8	1468.2	1466.6	1466.6
170°	1478.6	1480.5	1482.3	1484.1	1485.9	1486.0	1484.5	1482.9	1481.4	1479.8	1479.8
172.5°	1488.9	1490.6	1492.2	1493.8	1495.4	1495.4	1493.9	1492.3	1490.8	1489.1	1489.1
175°	1498.5	1500.4	1502.3	1504.1	1505.9	1506.0	1504.4	1502.9	1501.3	1499.8	1499.8
177.5°	1504.2	1505.7	1507.1	1508.6	1510.1	1510.2	1508.9	1507.6	1506.4	1505.1	1505.3
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	960.3	958.2	954.1	950.5	945.8	941.9	939.1	935.7	931.4	926.2	921.9
5°	1002.8	994.3	983.2	973.6	961.4	951.8	941.8	932.2	922.6	910.3	899.6
7.5°	1049.9	1032.5	1015.5	994.2	974.8	957.6	941.0	924.2	907.8	890.4	873.5
10°	1078.7	1057.6	1034.2	1007.3	982.8	959.5	938.0	916.9	894.6	875.0	853.9
12.5°	1105.7	1078.5	1051.8	1017.8	988.4	959.8	932.4	906.2	882.3	857.0	834.2
15°	1130.1	1103.3	1073.4	1032.0	990.9	956.3	924.1	890.0	860.5	832.0	806.8
17.5°	1139.5	1111.5	1076.6	1036.8	992.0	948.6	907.1	869.6	834.9	801.7	773.3
20°	1135.9	1108.6	1073.0	1035.0	987.0	941.8	896.9	855.5	816.7	781.8	751.5
22.5°	1127.0	1098.8	1064.4	1024.3	978.8	930.7	882.8	838.6	798.0	761.8	728.8
25°	1113.7	1075.3	1040.0	1000.9	957.6	910.0	860.5	811.7	768.4	731.5	695.5
27.5°	1099.7	1051.9	1007.0	968.1	922.3	879.9	832.1	782.2	736.6	699.1	662.2
30°	1087.2	1033.5	984.0	939.9	896.6	856.3	810.9	762.2	715.5	676.7	639.1
32.5°	1071.6	1014.4	960.1	909.2	867.4	827.4	786.4	739.8	694.3	654.3	616.1
35°	1051.9	979.0	919.9	865.9	819.4	780.6	743.9	706.2	660.6	619.1	582.0
37.5°	1026.1	943.4	875.0	816.1	767.2	728.2	699.2	664.8	623.2	583.5	549.0
40°	1010.5	917.7	842.8	784.5	733.1	692.1	664.8	635.6	597.6	560.5	525.9
42.5°	989.6	894.0	810.3	749.5	697.8	658.3	630.8	605.3	573.4	538.4	501.4
45°	948.7	848.2	760.3	695.1	643.0	604.2	578.5	555.8	531.7	499.5	467.3
47.5°	895.4	800.4	708.4	637.2	586.1	550.2	525.2	507.4	490.1	462.7	431.4
50°	852.8	761.1	671.4	602.3	547.9	513.6	490.3	476.1	460.3	435.5	409.3
52.5°	802.4	720.6	632.7	562.1	510.7	478.7	456.2	442.0	429.0	408.7	383.8
55°	723.2	651.4	570.8	506.8	459.6	427.4	405.9	392.4	384.8	367.5	347.9
57.5°	631.6	580.2	509.2	447.4	405.7	373.8	358.1	346.7	338.0	325.8	311.9
60°	567.7	531.7	468.0	409.3	370.9	340.6	326.5	316.9	308.8	298.4	287.7
62.5°	503.0	476.8	421.4	370.9	335.7	310.2	297.0	288.3	279.0	272.1	261.7
65°	416.3	392.8	354.5	315.0	282.4	262.1	252.5	244.8	239.0	231.4	224.0
67.5°	323.8	314.3	287.8	260.5	237.1	219.0	210.8	205.4	198.4	193.9	188.8
70°	267.0	262.4	243.6	225.6	203.7	191.5	183.8	181.5	173.0	168.4	164.9
72.5°	216.7	214.5	203.7	191.2	175.8	165.0	157.9	155.3	150.0	146.3	144.1
75°	148.5	149.3	147.3	139.3	133.5	126.6	120.5	119.0	115.1	112.0	110.1
77.5°	93.9	97.9	98.0	97.6	95.3	91.1	88.6	87.4	83.6	82.5	82.0
80°	64.4	68.7	72.5	72.1	71.4	70.2	68.3	67.2	65.2	64.0	63.3
82.5°	42.9	46.9	50.1	52.2	52.0	50.9	49.6	49.0	48.7	47.8	47.7
85°	20.3	21.1	22.2	24.9	26.9	27.3	26.9	26.5	25.3	25.8	26.1
87.5°	10.1	9.7	9.7	9.3	8.6	9.7	10.2	10.1	9.9	9.7	9.5
90°	15.1	13.3	11.5	9.5	7.5	5.4	3.2	1.2	3.2	5.4	7.5
92.5°	40.6	38.4	36.1	34.2	32.8	31.3	29.9	28.4	29.9	31.3	32.8
95°	85.1	82.5	79.9	78.4	77.9	77.4	76.7	76.2	76.7	77.4	77.9
97.5°	136.6	133.1	129.5	127.5	127.3	127.1	126.9	126.7	126.9	127.1	127.3
100°	172.8	169.4	166.0	164.3	164.3	164.3	164.3	164.3	164.3	164.3	164.3
102.5°	213.7	212.0	210.3	208.8	207.8	206.7	205.7	204.7	205.7	206.7	207.8
105°	277.3	275.8	274.2	272.8	271.5	270.1	268.8	267.5	268.8	270.1	271.5
107.5°	345.9	344.7	343.5	342.2	340.9	339.6	338.3	337.0	338.3	339.6	340.9
110°	392.7	391.9	391.1	390.1	388.8	387.5	386.2	385.0	386.2	387.5	388.8





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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	439.3	438.3	437.3	436.5	435.8	435.0	434.4	433.7	434.4	435.0	435.8
115°	511.8	511.3	510.7	510.0	508.9	507.9	506.9	505.7	506.9	507.9	508.9
117.5°	581.4	580.9	580.4	580.0	579.5	579.1	578.6	578.0	578.6	579.1	579.5
120°	629.7	629.3	629.1	628.3	627.0	625.7	624.4	623.1	624.4	625.7	627.0
122.5°	675.8	675.1	674.4	673.8	673.4	672.9	672.5	672.0	672.5	672.9	673.4
125°	745.8	745.6	745.3	744.4	742.9	741.2	739.7	738.1	739.7	741.2	742.9
127.5°	813.3	813.0	812.7	812.1	811.2	810.3	809.4	808.6	809.4	810.3	811.2
130°	858.0	857.5	857.0	856.0	854.7	853.4	852.1	850.8	852.1	853.4	854.7
132.5°	902.4	902.5	902.6	901.6	899.5	897.4	895.1	893.0	895.1	897.4	899.5
135°	967.7	967.3	967.1	966.2	964.6	963.1	961.5	960.0	961.5	963.1	964.6
137.5°	1031.1	1030.5	1030.0	1028.9	1027.3	1025.8	1024.3	1022.8	1024.3	1025.8	1027.3
140°	1071.1	1070.3	1069.4	1068.4	1067.1	1065.8	1064.5	1063.2	1064.5	1065.8	1067.1
142.5°	1111.0	1109.9	1109.0	1107.9	1106.8	1105.8	1104.7	1103.6	1104.7	1105.8	1106.8
145°	1169.6	1168.8	1168.0	1167.1	1166.1	1165.1	1164.0	1163.0	1164.0	1165.1	1166.1
147.5°	1222.0	1221.4	1220.7	1220.1	1219.6	1219.0	1218.4	1217.9	1218.4	1219.0	1219.6
150°	1255.9	1254.9	1253.8	1253.4	1253.7	1253.9	1254.3	1254.5	1254.3	1253.9	1253.7
152.5°	1287.2	1286.8	1286.4	1286.0	1285.7	1285.3	1284.9	1284.5	1284.9	1285.3	1285.7
155°	1331.4	1331.2	1330.9	1330.8	1330.8	1330.8	1330.8	1330.8	1330.8	1330.8	1330.8
157.5°	1370.2	1369.9	1369.6	1369.8	1370.4	1370.9	1371.5	1372.1	1371.5	1370.9	1370.4
160°	1393.6	1393.3	1393.1	1393.3	1394.1	1394.9	1395.7	1396.4	1395.7	1394.9	1394.1
162.5°	1415.6	1415.5	1415.5	1415.7	1416.3	1416.9	1417.5	1418.1	1417.5	1416.9	1416.3
165°	1445.2	1445.0	1444.7	1444.8	1445.4	1445.9	1446.4	1446.9	1446.4	1445.9	1445.4
167.5°	1466.6	1466.6	1466.6	1467.1	1468.2	1469.3	1470.3	1471.4	1470.3	1469.3	1468.2
170°	1479.8	1479.8	1479.8	1480.4	1481.4	1482.4	1483.5	1484.5	1483.5	1482.4	1481.4
172.5°	1489.1	1489.1	1489.1	1489.8	1490.8	1491.8	1492.9	1493.9	1492.9	1491.8	1490.8
175°	1499.8	1499.8	1499.8	1500.3	1501.3	1502.4	1503.4	1504.4	1503.4	1502.4	1501.3
177.5°	1505.6	1505.8	1506.0	1506.5	1507.3	1508.1	1509.0	1509.8	1509.0	1508.1	1507.3
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	918.9	914.5	911.5	905.3	901.0	899.2	895.9	894.9	898.3	895.9	895.5
5°	891.5	880.4	871.6	862.7	853.1	847.1	837.8	836.3	833.9	830.5	829.8
7.5°	858.8	844.2	832.9	818.3	805.7	795.5	784.0	778.5	775.5	771.0	765.1
10°	836.7	819.4	804.1	789.5	773.8	761.1	749.6	740.7	735.0	729.6	727.3
12.5°	814.9	797.3	777.7	760.0	742.5	728.2	715.5	709.7	703.4	697.1	691.8
15°	781.0	757.6	736.2	715.8	700.8	685.5	673.3	664.8	655.2	652.6	642.2
17.5°	745.2	722.2	697.0	675.6	658.3	641.4	627.9	618.3	611.1	601.2	596.4
20°	722.8	695.5	671.0	651.4	632.2	612.3	598.4	590.4	583.5	575.4	571.6
22.5°	698.8	672.2	647.0	624.1	604.6	584.9	575.1	566.7	559.0	551.5	546.4
25°	663.7	636.8	610.4	586.5	566.2	552.0	540.5	530.9	526.7	519.4	514.0
27.5°	628.9	600.4	572.9	549.2	533.2	519.2	509.8	502.2	494.5	488.2	483.5
30°	606.5	577.3	547.4	528.7	511.7	498.4	488.0	480.7	474.9	469.2	465.7
32.5°	584.1	554.0	527.5	507.2	491.2	479.6	469.0	461.9	455.9	449.5	445.5
35°	548.2	517.5	496.0	476.1	460.3	449.6	442.3	432.3	427.4	422.7	418.5
37.5°	514.8	486.3	463.0	445.6	431.9	421.2	411.8	406.4	400.3	396.2	392.6
40°	490.3	464.1	443.1	424.6	414.7	402.8	393.9	387.1	382.4	377.1	373.2
42.5°	468.2	443.9	423.4	406.9	394.5	384.4	375.9	369.0	363.1	359.3	356.1
45°	437.0	412.7	392.8	377.5	366.0	356.4	347.6	344.1	336.4	331.8	330.3
47.5°	404.7	383.0	363.8	349.6	337.8	328.7	320.4	313.5	309.2	304.7	302.3
50°	382.8	362.1	344.1	330.3	318.8	308.8	301.1	296.5	290.7	286.6	283.5
52.5°	361.0	341.8	323.9	310.6	300.6	290.7	282.2	277.5	272.1	269.3	267.2
55°	329.9	309.6	294.3	281.1	270.8	261.7	253.6	248.9	245.5	242.9	242.1
57.5°	294.6	278.5	264.3	252.5	241.8	233.1	226.0	221.7	218.6	218.2	215.9
60°	271.6	257.0	244.0	231.4	222.1	214.1	207.9	203.0	199.9	199.4	198.7
62.5°	248.6	234.6	222.5	211.4	203.1	195.3	189.6	183.9	182.1	180.2	178.4
65°	214.4	201.8	191.8	183.0	174.2	167.6	161.9	158.4	154.2	151.9	147.7
67.5°	180.9	171.1	161.5	154.1	147.1	141.0	136.2	131.1	128.3	126.3	123.3
70°	158.9	151.2	141.6	133.5	128.2	123.1	119.3	113.5	111.6	110.1	108.6
72.5°	137.9	131.2	123.1	116.6	111.3	106.5	102.1	99.5	97.6	95.9	95.0
75°	108.6	102.0	95.1	90.5	86.7	82.9	80.6	78.7	77.9	77.5	75.9
77.5°	79.7	76.2	70.7	67.1	64.5	63.0	60.9	59.9	59.9	58.2	57.7
80°	61.0	59.1	54.4	52.9	51.0	49.5	48.4	46.5	44.5	43.7	42.6
82.5°	45.3	43.4	41.6	39.1	37.6	36.6	35.4	34.7	34.9	33.9	33.3
85°	24.1	22.2	21.5	21.1	20.3	21.1	20.7	20.3	20.0	19.6	20.0
87.5°	9.6	10.0	10.0	11.0	10.4	11.1	11.4	11.3	11.6	11.8	11.7
90°	9.5	11.5	13.3	15.1	17.0	18.8	20.1	21.4	22.7	24.0	25.0
92.5°	34.2	36.1	38.4	40.6	42.8	45.0	46.8	48.5	50.2	51.9	53.1
95°	78.4	79.9	82.5	85.1	87.8	90.4	92.2	94.0	95.8	97.7	98.9
97.5°	127.5	129.5	133.1	136.6	140.3	143.9	145.6	147.3	149.1	150.8	151.8
100°	164.3	166.0	169.4	172.8	176.1	179.6	181.9	184.2	186.6	188.9	190.4
102.5°	208.8	210.3	212.0	213.7	215.4	217.1	219.6	222.2	224.8	227.3	228.9
105°	272.8	274.2	275.8	277.3	278.9	280.4	282.1	283.6	285.2	286.7	287.9
107.5°	342.2	343.5	344.7	345.9	347.1	348.3	349.1	349.8	350.6	351.4	351.8
110°	390.1	391.1	391.9	392.7	393.5	394.3	395.1	395.9	396.7	397.4	397.7



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	436.5	437.3	438.3	439.3	440.2	441.2	441.6	442.0	442.3	442.7	442.6
115°	510.0	510.7	511.3	511.8	512.3	512.8	512.6	512.3	512.0	511.8	511.5
117.5°	580.0	580.4	580.9	581.4	581.8	582.3	582.5	582.7	582.9	583.1	582.7
120°	628.3	629.1	629.3	629.7	630.0	630.2	630.2	630.2	630.2	630.2	629.7
122.5°	673.8	674.4	675.1	675.8	676.4	677.1	676.9	676.7	676.5	676.3	675.8
125°	744.4	745.3	745.6	745.8	746.1	746.4	745.8	745.3	744.8	744.3	743.9
127.5°	812.1	812.7	813.0	813.3	813.6	814.0	813.6	813.4	813.1	812.9	812.5
130°	856.0	857.0	857.5	858.0	858.5	859.0	858.8	858.5	858.2	858.0	857.6
132.5°	901.6	902.6	902.5	902.4	902.3	902.2	901.9	901.7	901.4	901.1	900.7
135°	966.2	967.1	967.3	967.7	967.9	968.2	968.2	968.2	968.2	968.2	967.7
137.5°	1028.9	1030.0	1030.5	1031.1	1031.7	1032.2	1032.5	1032.9	1033.2	1033.5	1033.0
140°	1068.4	1069.4	1070.3	1071.1	1071.8	1072.6	1073.1	1073.6	1074.2	1074.7	1074.3
142.5°	1107.9	1109.0	1109.9	1111.0	1112.0	1113.0	1113.3	1113.6	1113.9	1114.2	1113.7
145°	1167.1	1168.0	1168.8	1169.6	1170.3	1171.1	1171.1	1171.1	1171.1	1171.1	1170.7
147.5°	1220.1	1220.7	1221.4	1222.0	1222.6	1223.2	1223.9	1224.6	1225.2	1225.8	1225.2
150°	1253.4	1253.8	1254.9	1255.9	1257.0	1258.0	1258.0	1258.0	1258.0	1258.0	1257.8
152.5°	1286.0	1286.4	1286.8	1287.2	1287.7	1288.1	1288.7	1289.3	1289.9	1290.5	1290.4
155°	1330.8	1330.9	1331.2	1331.4	1331.7	1331.9	1333.0	1334.0	1335.0	1336.2	1336.0
157.5°	1369.8	1369.6	1369.9	1370.2	1370.4	1370.7	1371.7	1372.7	1373.8	1374.8	1374.5
160°	1393.3	1393.1	1393.3	1393.6	1393.9	1394.1	1395.1	1396.2	1397.2	1398.3	1398.2
162.5°	1415.7	1415.5	1415.5	1415.6	1415.6	1415.7	1416.9	1418.3	1419.5	1420.8	1420.6
165°	1444.8	1444.7	1445.0	1445.2	1445.5	1445.7	1446.8	1447.8	1448.9	1450.0	1449.7
167.5°	1467.1	1466.6	1466.6	1466.6	1466.6	1466.6	1468.2	1469.8	1471.4	1472.9	1472.9
170°	1480.4	1479.8	1479.8	1479.8	1479.8	1479.8	1481.4	1482.9	1484.5	1486.0	1485.9
172.5°	1489.8	1489.1	1489.1	1489.1	1489.1	1489.1	1490.8	1492.3	1493.9	1495.4	1495.4
175°	1500.3	1499.8	1499.8	1499.8	1499.8	1499.8	1501.3	1502.9	1504.4	1506.0	1505.9
177.5°	1506.5	1506.0	1505.8	1505.6	1505.3	1505.1	1506.4	1507.6	1508.9	1510.2	1510.1
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	895.2	891.8	890.9	892.1	890.9	891.8	895.2	895.5	895.9	898.3	894.9
5°	826.0	822.1	824.0	823.2	824.0	822.1	826.0	829.8	830.5	833.9	836.3
7.5°	765.0	760.2	755.2	756.8	755.2	760.2	765.0	765.1	771.0	775.5	778.5
10°	722.4	718.5	716.2	718.1	716.2	718.5	722.4	727.3	729.6	735.0	740.7
12.5°	686.4	684.2	682.2	681.4	682.2	684.2	686.4	691.8	697.1	703.4	709.7
15°	637.5	633.0	631.1	626.1	631.1	633.0	637.5	642.2	652.6	655.2	664.8
17.5°	592.5	591.0	586.0	583.9	586.0	591.0	592.5	596.4	601.2	611.1	618.3
20°	565.8	564.3	559.4	562.4	559.4	564.3	565.8	571.6	575.4	583.5	590.4
22.5°	543.7	540.4	538.8	537.9	538.8	540.4	543.7	546.4	551.5	559.0	566.7
25°	512.5	507.6	505.6	503.3	505.6	507.6	512.5	514.0	519.4	526.7	530.9
27.5°	481.4	478.7	476.2	475.5	476.2	478.7	481.4	483.5	488.2	494.5	502.2
30°	461.1	458.4	456.5	456.5	456.5	458.4	461.1	465.7	469.2	474.9	480.7
32.5°	443.0	440.9	439.0	438.7	439.0	440.9	443.0	445.5	449.5	455.9	461.9
35°	416.6	413.5	412.7	410.5	412.7	413.5	416.6	418.5	422.7	427.4	432.3
37.5°	389.2	386.7	386.6	386.4	386.6	386.7	389.2	392.6	396.2	400.3	406.4
40°	371.7	369.8	369.4	366.8	369.4	369.8	371.7	373.2	377.1	382.4	387.1
42.5°	353.0	352.0	350.7	349.5	350.7	352.0	353.0	356.1	359.3	363.1	369.0
45°	327.6	325.0	325.0	323.1	325.0	325.0	327.6	330.3	331.8	336.4	344.1
47.5°	301.3	299.3	299.5	297.5	299.5	299.3	301.3	302.3	304.7	309.2	313.5
50°	283.9	282.8	282.4	281.6	282.4	282.8	283.9	283.5	286.6	290.7	296.5
52.5°	266.4	265.9	267.3	265.6	267.3	265.9	266.4	267.2	269.3	272.1	277.5
55°	242.9	241.7	244.0	241.7	244.0	241.7	242.9	242.1	242.9	245.5	248.9
57.5°	215.7	214.7	216.7	215.6	216.7	214.7	215.7	215.9	218.2	218.6	221.7
60°	197.9	195.6	196.8	197.2	196.8	195.6	197.9	198.7	199.4	199.9	203.0
62.5°	176.7	175.4	176.2	174.5	176.2	175.4	176.7	178.4	180.2	182.1	183.9
65°	146.9	145.8	144.2	143.5	144.2	145.8	146.9	147.7	151.9	154.2	158.4
67.5°	123.4	120.7	120.6	121.2	120.6	120.7	123.4	123.3	126.3	128.3	131.1
70°	106.2	106.2	105.8	105.8	105.8	106.2	106.2	108.6	110.1	111.6	113.5
72.5°	94.3	94.0	93.3	93.0	93.3	94.0	94.3	95.0	95.9	97.6	99.5
75°	75.9	76.3	75.5	75.2	75.5	76.3	75.9	75.9	77.5	77.9	78.7
77.5°	56.0	54.4	55.3	54.4	55.3	54.4	56.0	57.7	58.2	59.9	59.9
80°	42.6	42.2	43.3	42.2	43.3	42.2	42.6	42.6	43.7	44.5	46.5
82.5°	33.7	33.3	33.8	33.0	33.8	33.3	33.7	33.3	33.9	34.9	34.7
85°	20.3	20.0	19.6	20.0	19.6	20.0	20.3	20.0	19.6	20.0	20.3
87.5°	12.2	12.1	12.2	12.4	12.2	12.1	12.2	11.7	11.8	11.6	11.3
90°	25.9	26.6	27.4	28.2	27.4	26.6	25.9	25.0	24.0	22.7	21.4
92.5°	53.6	54.2	54.8	55.3	54.8	54.2	53.6	53.1	51.9	50.2	48.5
95°	99.4	99.9	100.4	100.9	100.4	99.9	99.4	98.9	97.7	95.8	94.0
97.5°	152.1	152.4	152.7	153.0	152.7	152.4	152.1	151.8	150.8	149.1	147.3
100°	190.9	191.4	192.0	192.5	192.0	191.4	190.9	190.4	188.9	186.6	184.2
102.5°	229.7	230.5	231.2	231.9	231.2	230.5	229.7	228.9	227.3	224.8	222.2
105°	288.7	289.4	290.2	291.0	290.2	289.4	288.7	287.9	286.7	285.2	283.6
107.5°	351.7	351.7	351.6	351.5	351.6	351.7	351.7	351.8	351.4	350.6	349.8
110°	397.4	397.2	396.9	396.7	396.9	397.2	397.4	397.7	397.4	396.7	395.9



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	442.2	441.7	441.2	440.8	441.2	441.7	442.2	442.6	442.7	442.3	442.0
115°	511.3	511.0	510.7	510.5	510.7	511.0	511.3	511.5	511.8	512.0	512.3
117.5°	581.7	580.7	579.6	578.6	579.6	580.7	581.7	582.7	583.1	582.9	582.7
120°	628.6	627.5	626.5	625.5	626.5	627.5	628.6	629.7	630.2	630.2	630.2
122.5°	674.9	674.1	673.3	672.5	673.3	674.1	674.9	675.8	676.3	676.5	676.7
125°	743.7	743.4	743.1	742.9	743.1	743.4	743.7	743.9	744.3	744.8	745.3
127.5°	812.0	811.4	810.9	810.4	810.9	811.4	812.0	812.5	812.9	813.1	813.4
130°	857.1	856.6	856.0	855.5	856.0	856.6	857.1	857.6	858.0	858.2	858.5
132.5°	899.9	899.2	898.5	897.8	898.5	899.2	899.9	900.7	901.1	901.4	901.7
135°	966.5	965.5	964.5	963.4	964.5	965.5	966.5	967.7	968.2	968.2	968.2
137.5°	1031.7	1030.4	1029.1	1027.7	1029.1	1030.4	1031.7	1033.0	1033.5	1033.2	1032.9
140°	1073.0	1071.7	1070.4	1069.0	1070.4	1071.7	1073.0	1074.3	1074.7	1074.2	1073.6
142.5°	1112.4	1111.2	1109.8	1108.5	1109.8	1111.2	1112.4	1113.7	1114.2	1113.9	1113.6
145°	1170.0	1169.2	1168.4	1167.6	1168.4	1169.2	1170.0	1170.7	1171.1	1171.1	1171.1
147.5°	1223.5	1221.6	1219.9	1218.1	1219.9	1221.6	1223.5	1225.2	1225.8	1225.2	1224.6
150°	1257.2	1256.7	1256.2	1255.7	1256.2	1256.7	1257.2	1257.8	1258.0	1258.0	1258.0
152.5°	1289.5	1288.5	1287.6	1286.7	1287.6	1288.5	1289.5	1290.4	1290.5	1289.9	1289.3
155°	1334.6	1333.3	1332.1	1330.8	1332.1	1333.3	1334.6	1336.0	1336.2	1335.0	1334.0
157.5°	1372.8	1371.1	1369.4	1367.7	1369.4	1371.1	1372.8	1374.5	1374.8	1373.8	1372.7
160°	1396.8	1395.5	1394.2	1393.0	1394.2	1395.5	1396.8	1398.2	1398.3	1397.2	1396.2
162.5°	1419.1	1417.5	1416.0	1414.5	1416.0	1417.5	1419.1	1420.6	1420.8	1419.5	1418.3
165°	1448.1	1446.5	1445.0	1443.4	1445.0	1446.5	1448.1	1449.7	1450.0	1448.9	1447.8
167.5°	1471.3	1469.7	1468.0	1466.4	1468.0	1469.7	1471.3	1472.9	1472.9	1471.4	1469.8
170°	1484.1	1482.3	1480.5	1478.6	1480.5	1482.3	1484.1	1485.9	1486.0	1484.5	1482.9
172.5°	1493.8	1492.2	1490.6	1488.9	1490.6	1492.2	1493.8	1495.4	1495.4	1493.9	1492.3
175°	1504.1	1502.3	1500.4	1498.5	1500.4	1502.3	1504.1	1505.9	1506.0	1504.4	1502.9
177.5°	1508.6	1507.1	1505.7	1504.2	1505.7	1507.1	1508.6	1510.1	1510.2	1508.9	1507.6
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	895.9	899.2	901.0	905.3	911.5	914.5	918.9	921.9	926.2	931.4	935.7
5°	837.8	847.1	853.1	862.7	871.6	880.4	891.5	899.6	910.3	922.6	932.2
7.5°	784.0	795.5	805.7	818.3	832.9	844.2	858.8	873.5	890.4	907.8	924.2
10°	749.6	761.1	773.8	789.5	804.1	819.4	836.7	853.9	875.0	894.6	916.9
12.5°	715.5	728.2	742.5	760.0	777.7	797.3	814.9	834.2	857.0	882.3	906.2
15°	673.3	685.5	700.8	715.8	736.2	757.6	781.0	806.8	832.0	860.5	890.0
17.5°	627.9	641.4	658.3	675.6	697.0	722.2	745.2	773.3	801.7	834.9	869.6
20°	598.4	612.3	632.2	651.4	671.0	695.5	722.8	751.5	781.8	816.7	855.5
22.5°	575.1	584.9	604.6	624.1	647.0	672.2	698.8	728.8	761.8	798.0	838.6
25°	540.5	552.0	566.2	586.5	610.4	636.8	663.7	695.5	731.5	768.4	811.7
27.5°	509.8	519.2	533.2	549.2	572.9	600.4	628.9	662.2	699.1	736.6	782.2
30°	488.0	498.4	511.7	528.7	547.4	577.3	606.5	639.1	676.7	715.5	762.2
32.5°	469.0	479.6	491.2	507.2	527.5	554.0	584.1	616.1	654.3	694.3	739.8
35°	442.3	449.6	460.3	476.1	496.0	517.5	548.2	582.0	619.1	660.6	706.2
37.5°	411.8	421.2	431.9	445.6	463.0	486.3	514.8	549.0	583.5	623.2	664.8
40°	393.9	402.8	414.7	424.6	443.1	464.1	490.3	525.9	560.5	597.6	635.6
42.5°	375.9	384.4	394.5	406.9	423.4	443.9	468.2	501.4	538.4	573.4	605.3
45°	347.6	356.4	366.0	377.5	392.8	412.7	437.0	467.3	499.5	531.7	555.8
47.5°	320.4	328.7	337.8	349.6	363.8	383.0	404.7	431.4	462.7	490.1	507.4
50°	301.1	308.8	318.8	330.3	344.1	362.1	382.8	409.3	435.5	460.3	476.1
52.5°	282.2	290.7	300.6	310.6	323.9	341.8	361.0	383.8	408.7	429.0	442.0
55°	253.6	261.7	270.8	281.1	294.3	309.6	329.9	347.9	367.5	384.8	392.4
57.5°	226.0	233.1	241.8	252.5	264.3	278.5	294.6	311.9	325.8	338.0	346.7
60°	207.9	214.1	222.1	231.4	244.0	257.0	271.6	287.7	298.4	308.8	316.9
62.5°	189.6	195.3	203.1	211.4	222.5	234.6	248.6	261.7	272.1	279.0	288.3
65°	161.9	167.6	174.2	183.0	191.8	201.8	214.4	224.0	231.4	239.0	244.8
67.5°	136.2	141.0	147.1	154.1	161.5	171.1	180.9	188.8	193.9	198.4	205.4
70°	119.3	123.1	128.2	133.5	141.6	151.2	158.9	164.9	168.4	173.0	181.5
72.5°	102.1	106.5	111.3	116.6	123.1	131.2	137.9	144.1	146.3	150.0	155.3
75°	80.6	82.9	86.7	90.5	95.1	102.0	108.6	110.1	112.0	115.1	119.0
77.5°	60.9	63.0	64.5	67.1	70.7	76.2	79.7	82.0	82.5	83.6	87.4
80°	48.4	49.5	51.0	52.9	54.4	59.1	61.0	63.3	64.0	65.2	67.2
82.5°	35.4	36.6	37.6	39.1	41.6	43.4	45.3	47.7	47.8	48.7	49.0
85°	20.7	21.1	20.3	21.1	21.5	22.2	24.1	26.1	25.8	25.3	26.5
87.5°	11.4	11.1	10.4	11.0	10.0	10.0	9.6	9.5	9.7	9.9	10.1
90°	20.1	18.8	17.0	15.1	13.3	11.5	9.5	7.5	5.4	3.2	1.2
92.5°	46.8	45.0	42.8	40.6	38.4	36.1	34.2	32.8	31.3	29.9	28.4
95°	92.2	90.4	87.8	85.1	82.5	79.9	78.4	77.9	77.4	76.7	76.2
97.5°	145.6	143.9	140.3	136.6	133.1	129.5	127.5	127.3	127.1	126.9	126.7
100°	181.9	179.6	176.1	172.8	169.4	166.0	164.3	164.3	164.3	164.3	164.3
102.5°	219.6	217.1	215.4	213.7	212.0	210.3	208.8	207.8	206.7	205.7	204.7
105°	282.1	280.4	278.9	277.3	275.8	274.2	272.8	271.5	270.1	268.8	267.5
107.5°	349.1	348.3	347.1	345.9	344.7	343.5	342.2	340.9	339.6	338.3	337.0
110°	395.1	394.3	393.5	392.7	391.9	391.1	390.1	388.8	387.5	386.2	385.0



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	441.6	441.2	440.2	439.3	438.3	437.3	436.5	435.8	435.0	434.4	433.7
115°	512.6	512.8	512.3	511.8	511.3	510.7	510.0	508.9	507.9	506.9	505.7
117.5°	582.5	582.3	581.8	581.4	580.9	580.4	580.0	579.5	579.1	578.6	578.0
120°	630.2	630.2	630.0	629.7	629.3	629.1	628.3	627.0	625.7	624.4	623.1
122.5°	676.9	677.1	676.4	675.8	675.1	674.4	673.8	673.4	672.9	672.5	672.0
125°	745.8	746.4	746.1	745.8	745.6	745.3	744.4	742.9	741.2	739.7	738.1
127.5°	813.6	814.0	813.6	813.3	813.0	812.7	812.1	811.2	810.3	809.4	808.6
130°	858.8	859.0	858.5	858.0	857.5	857.0	856.0	854.7	853.4	852.1	850.8
132.5°	901.9	902.2	902.3	902.4	902.5	902.6	901.6	899.5	897.4	895.1	893.0
135°	968.2	968.2	967.9	967.7	967.3	967.1	966.2	964.6	963.1	961.5	960.0
137.5°	1032.5	1032.2	1031.7	1031.1	1030.5	1030.0	1028.9	1027.3	1025.8	1024.3	1022.8
140°	1073.1	1072.6	1071.8	1071.1	1070.3	1069.4	1068.4	1067.1	1065.8	1064.5	1063.2
142.5°	1113.3	1113.0	1112.0	1111.0	1109.9	1109.0	1107.9	1106.8	1105.8	1104.7	1103.6
145°	1171.1	1171.1	1170.3	1169.6	1168.8	1168.0	1167.1	1166.1	1165.1	1164.0	1163.0
147.5°	1223.9	1223.2	1222.6	1222.0	1221.4	1220.7	1220.1	1219.6	1219.0	1218.4	1217.9
150°	1258.0	1258.0	1257.0	1255.9	1254.9	1253.8	1253.4	1253.7	1253.9	1254.3	1254.5
152.5°	1288.7	1288.1	1287.7	1287.2	1286.8	1286.4	1286.0	1285.7	1285.3	1284.9	1284.5
155°	1333.0	1331.9	1331.7	1331.4	1331.2	1330.9	1330.8	1330.8	1330.8	1330.8	1330.8
157.5°	1371.7	1370.7	1370.4	1370.2	1369.9	1369.6	1369.8	1370.4	1370.9	1371.5	1372.1
160°	1395.1	1394.1	1393.9	1393.6	1393.3	1393.1	1393.3	1394.1	1394.9	1395.7	1396.4
162.5°	1416.9	1415.7	1415.6	1415.6	1415.5	1415.5	1415.7	1416.3	1416.9	1417.5	1418.1
165°	1446.8	1445.7	1445.5	1445.2	1445.0	1444.7	1444.8	1445.4	1445.9	1446.4	1446.9
167.5°	1468.2	1466.6	1466.6	1466.6	1466.6	1466.6	1467.1	1468.2	1469.3	1470.3	1471.4
170°	1481.4	1479.8	1479.8	1479.8	1479.8	1479.8	1480.4	1481.4	1482.4	1483.5	1484.5
172.5°	1490.8	1489.1	1489.1	1489.1	1489.1	1489.1	1489.8	1490.8	1491.8	1492.9	1493.9
175°	1501.3	1499.8	1499.8	1499.8	1499.8	1499.8	1500.3	1501.3	1502.4	1503.4	1504.4
177.5°	1506.4	1505.1	1505.3	1505.6	1505.8	1506.0	1506.5	1507.3	1508.1	1509.0	1509.8
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	939.1	941.9	945.8	950.5	954.1	958.2	960.3	960.3	962.1	966.1	971.3
5°	941.8	951.8	961.4	973.6	983.2	994.3	1002.8	1010.9	1018.1	1027.3	1036.9
7.5°	941.0	957.6	974.8	994.2	1015.5	1032.5	1049.9	1063.6	1077.0	1094.7	1108.6
10°	938.0	959.5	982.8	1007.3	1034.2	1057.6	1078.7	1097.9	1116.3	1135.5	1152.8
12.5°	932.4	959.8	988.4	1017.8	1051.8	1078.5	1105.7	1126.2	1147.6	1168.6	1189.9
15°	924.1	956.3	990.9	1032.0	1073.4	1103.3	1130.1	1156.6	1176.6	1200.3	1220.7
17.5°	907.1	948.6	992.0	1036.8	1076.6	1111.5	1139.5	1164.8	1186.0	1212.1	1239.8
20°	896.9	941.8	987.0	1035.0	1073.0	1108.6	1135.9	1162.0	1188.4	1222.6	1256.4
22.5°	882.8	930.7	978.8	1024.3	1064.4	1098.8	1127.0	1158.9	1193.7	1232.4	1273.2
25°	860.5	910.0	957.6	1000.9	1040.0	1075.3	1113.7	1156.6	1198.8	1249.8	1308.5
27.5°	832.1	879.9	922.3	968.1	1007.0	1051.9	1099.7	1146.3	1207.2	1277.4	1350.7
30°	810.9	856.3	896.6	939.9	984.0	1033.5	1087.2	1142.1	1214.6	1297.0	1384.1
32.5°	786.4	827.4	867.4	909.2	960.1	1014.4	1071.6	1138.6	1225.3	1319.1	1409.3
35°	743.9	780.6	819.4	865.9	919.9	979.0	1051.9	1133.6	1238.3	1339.2	1420.2
37.5°	699.2	728.2	767.2	816.1	875.0	943.4	1026.1	1125.4	1232.9	1323.5	1358.0
40°	664.8	692.1	733.1	784.5	842.8	917.7	1010.5	1112.5	1220.7	1283.5	1280.9
42.5°	630.8	658.3	697.8	749.5	810.3	894.0	989.6	1095.6	1186.9	1210.8	1160.9
45°	578.5	604.2	643.0	695.1	760.3	848.2	948.7	1050.4	1108.6	1070.0	971.0
47.5°	525.2	550.2	586.1	637.2	708.4	800.4	895.4	978.9	987.0	903.8	785.1
50°	490.3	513.6	547.9	602.3	671.4	761.1	852.8	918.4	898.1	796.4	674.0
52.5°	456.2	478.7	510.7	562.1	632.7	720.6	802.4	853.9	806.9	698.8	588.8
55°	405.9	427.4	459.6	506.8	570.8	651.4	723.2	741.9	672.9	563.9	474.9
57.5°	358.1	373.8	405.7	447.4	509.2	580.2	631.6	628.2	552.0	453.9	390.1
60°	326.5	340.6	370.9	409.3	468.0	531.7	567.7	552.4	475.3	394.4	333.0
62.5°	297.0	310.2	335.7	370.9	421.4	476.8	503.0	481.8	409.0	337.9	289.1
65°	252.5	262.1	282.4	315.0	354.5	392.8	416.3	385.2	320.7	267.0	230.1
67.5°	210.8	219.0	237.1	260.5	287.8	314.3	323.8	294.6	244.5	208.3	182.4
70°	183.8	191.5	203.7	225.6	243.6	262.4	267.0	241.0	199.1	171.5	155.3
72.5°	157.9	165.0	175.8	191.2	203.7	214.5	216.7	192.4	160.5	141.4	129.0
75°	120.5	126.6	133.5	139.3	147.3	149.3	148.5	129.7	112.4	99.8	92.8
77.5°	88.6	91.1	95.3	97.6	98.0	97.9	93.9	82.0	73.1	67.9	65.0
80°	68.3	70.2	71.4	72.1	72.5	68.7	64.4	57.2	54.1	51.0	47.6
82.5°	49.6	50.9	52.0	52.2	50.1	46.9	42.9	39.4	37.2	35.6	34.3
85°	26.9	27.3	26.9	24.9	22.2	21.1	20.3	19.6	19.2	18.8	18.8
87.5°	10.2	9.7	8.6	9.3	9.7	9.7	10.1	10.1	10.2	10.5	10.7
90°	3.2	5.4	7.5	9.5	11.5	13.3	15.1	17.0	18.8	20.1	21.4
92.5°	29.9	31.3	32.8	34.2	36.1	38.4	40.6	42.8	45.0	46.8	48.5
95°	76.7	77.4	77.9	78.4	79.9	82.5	85.1	87.8	90.4	92.2	94.0
97.5°	126.9	127.1	127.3	127.5	129.5	133.1	136.6	140.3	143.9	145.6	147.3
100°	164.3	164.3	164.3	164.3	166.0	169.4	172.8	176.1	179.6	181.9	184.2
102.5°	205.7	206.7	207.8	208.8	210.3	212.0	213.7	215.4	217.1	219.6	222.2
105°	268.8	270.1	271.5	272.8	274.2	275.8	277.3	278.9	280.4	282.1	283.6
107.5°	338.3	339.6	340.9	342.2	343.5	344.7	345.9	347.1	348.3	349.1	349.8
110°	386.2	387.5	388.8	390.1	391.1	391.9	392.7	393.5	394.3	395.1	395.9





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	434.4	435.0	435.8	436.5	437.3	438.3	439.3	440.2	441.2	441.6	442.0
115°	506.9	507.9	508.9	510.0	510.7	511.3	511.8	512.3	512.8	512.6	512.3
117.5°	578.6	579.1	579.5	580.0	580.4	580.9	581.4	581.8	582.3	582.5	582.7
120°	624.4	625.7	627.0	628.3	629.1	629.3	629.7	630.0	630.2	630.2	630.2
122.5°	672.5	672.9	673.4	673.8	674.4	675.1	675.8	676.4	677.1	676.9	676.7
125°	739.7	741.2	742.9	744.4	745.3	745.6	745.8	746.1	746.4	745.8	745.3
127.5°	809.4	810.3	811.2	812.1	812.7	813.0	813.3	813.6	814.0	813.6	813.4
130°	852.1	853.4	854.7	856.0	857.0	857.5	858.0	858.5	859.0	858.8	858.5
132.5°	895.1	897.4	899.5	901.6	902.6	902.5	902.4	902.3	902.2	901.9	901.7
135°	961.5	963.1	964.6	966.2	967.1	967.3	967.7	967.9	968.2	968.2	968.2
137.5°	1024.3	1025.8	1027.3	1028.9	1030.0	1030.5	1031.1	1031.7	1032.2	1032.5	1032.9
140°	1064.5	1065.8	1067.1	1068.4	1069.4	1070.3	1071.1	1071.8	1072.6	1073.1	1073.6
142.5°	1104.7	1105.8	1106.8	1107.9	1109.0	1109.9	1111.0	1112.0	1113.0	1113.3	1113.6
145°	1164.0	1165.1	1166.1	1167.1	1168.0	1168.8	1169.6	1170.3	1171.1	1171.1	1171.1
147.5°	1218.4	1219.0	1219.6	1220.1	1220.7	1221.4	1222.0	1222.6	1223.2	1223.9	1224.6
150°	1254.3	1253.9	1253.7	1253.4	1253.8	1254.9	1255.9	1257.0	1258.0	1258.0	1258.0
152.5°	1284.9	1285.3	1285.7	1286.0	1286.4	1286.8	1287.2	1287.7	1288.1	1288.7	1289.3
155°	1330.8	1330.8	1330.8	1330.8	1330.9	1331.2	1331.4	1331.7	1331.9	1333.0	1334.0
157.5°	1371.5	1370.9	1370.4	1369.8	1369.6	1369.9	1370.2	1370.4	1370.7	1371.7	1372.7
160°	1395.7	1394.9	1394.1	1393.3	1393.1	1393.3	1393.6	1393.9	1394.1	1395.1	1396.2
162.5°	1417.5	1416.9	1416.3	1415.7	1415.5	1415.5	1415.6	1415.6	1415.7	1416.9	1418.3
165°	1446.4	1445.9	1445.4	1444.8	1444.7	1445.0	1445.2	1445.5	1445.7	1446.8	1447.8
167.5°	1470.3	1469.3	1468.2	1467.1	1466.6	1466.6	1466.6	1466.6	1466.6	1468.2	1469.8
170°	1483.5	1482.4	1481.4	1480.4	1479.8	1479.8	1479.8	1479.8	1479.8	1481.4	1482.9
172.5°	1492.9	1491.8	1490.8	1489.8	1489.1	1489.1	1489.1	1489.1	1489.1	1490.8	1492.3
175°	1503.4	1502.4	1501.3	1500.3	1499.8	1499.8	1499.8	1499.8	1499.8	1501.3	1502.9
177.5°	1509.0	1508.1	1507.3	1506.5	1506.0	1505.8	1505.6	1505.3	1505.1	1506.4	1507.6
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	975.3	975.3	980.6	980.2	983.6	982.4	983.0
5°	1048.4	1054.9	1060.7	1064.5	1070.3	1071.9	1071.1
7.5°	1124.3	1138.7	1145.8	1155.5	1157.2	1162.3	1161.7
10°	1171.1	1185.4	1196.1	1204.6	1208.8	1214.2	1214.6
12.5°	1208.0	1220.0	1229.6	1237.4	1242.5	1244.3	1245.3
15°	1236.8	1250.2	1261.3	1272.4	1279.0	1283.9	1286.7
17.5°	1265.8	1286.5	1306.2	1321.3	1330.3	1338.0	1337.9
20°	1288.2	1312.0	1336.6	1353.8	1371.4	1379.1	1380.3
22.5°	1312.1	1348.5	1380.1	1406.8	1430.1	1438.0	1441.0
25°	1361.8	1409.4	1458.1	1495.7	1522.6	1538.3	1540.7
27.5°	1421.9	1486.3	1537.5	1572.3	1594.6	1606.2	1608.7
30°	1464.3	1523.7	1569.7	1595.9	1606.2	1607.7	1601.9
32.5°	1483.3	1527.7	1546.1	1544.6	1524.3	1510.8	1505.6
35°	1460.1	1450.9	1405.9	1352.2	1311.2	1285.2	1278.2
37.5°	1328.7	1249.3	1166.7	1085.6	1042.4	1020.5	982.7
40°	1199.2	1086.0	1000.1	931.8	883.1	843.9	834.8
42.5°	1053.1	936.2	850.3	791.8	753.0	726.1	714.5
45°	846.3	745.8	674.8	629.9	600.0	580.4	571.6
47.5°	676.8	599.1	547.3	514.1	491.3	474.3	469.6
50°	583.9	521.7	478.0	450.0	432.7	419.7	414.3
52.5°	507.2	457.0	423.3	400.3	384.0	375.8	371.3
55°	418.5	375.2	351.0	332.5	323.4	316.9	313.8
57.5°	342.2	310.9	293.3	280.5	272.1	267.9	266.4
60°	299.6	275.1	258.9	248.9	243.2	237.8	236.3
62.5°	261.9	242.6	230.0	221.4	215.6	213.3	212.4
65°	211.0	198.3	189.1	183.8	179.2	178.3	178.0
67.5°	167.7	160.3	155.4	149.9	148.2	145.5	145.0
70°	143.5	138.5	132.7	130.8	128.9	126.2	126.6
72.5°	121.7	116.7	112.8	110.3	109.6	108.5	109.4
75°	89.0	87.5	85.9	84.0	83.2	83.2	82.9
77.5°	63.5	62.2	60.5	59.4	59.2	57.6	58.2
80°	46.0	44.1	43.3	43.7	42.6	42.2	42.2
82.5°	34.0	33.3	32.6	32.7	32.4	32.1	32.4
85°	18.8	18.4	18.4	18.1	18.1	17.7	17.7
87.5°	11.3	11.8	11.4	11.3	11.4	11.9	12.4
90°	22.7	24.0	25.0	25.9	26.6	27.4	28.2
92.5°	50.2	51.9	53.1	53.6	54.2	54.8	55.3
95°	95.8	97.7	98.9	99.4	99.9	100.4	100.9
97.5°	149.1	150.8	151.8	152.1	152.4	152.7	153.0
100°	186.6	188.9	190.4	190.9	191.4	192.0	192.5
102.5°	224.8	227.3	228.9	229.7	230.5	231.2	231.9
105°	285.2	286.7	287.9	288.7	289.4	290.2	291.0
107.5°	350.6	351.4	351.8	351.7	351.7	351.6	351.5
110°	396.7	397.4	397.7	397.4	397.2	396.9	396.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	442.3	442.7	442.6	442.2	441.7	441.2	440.8
115°	512.0	511.8	511.5	511.3	511.0	510.7	510.5
117.5°	582.9	583.1	582.7	581.7	580.7	579.6	578.6
120°	630.2	630.2	629.7	628.6	627.5	626.5	625.5
122.5°	676.5	676.3	675.8	674.9	674.1	673.3	672.5
125°	744.8	744.3	743.9	743.7	743.4	743.1	742.9
127.5°	813.1	812.9	812.5	812.0	811.4	810.9	810.4
130°	858.2	858.0	857.6	857.1	856.6	856.0	855.5
132.5°	901.4	901.1	900.7	899.9	899.2	898.5	897.8
135°	968.2	968.2	967.7	966.5	965.5	964.5	963.4
137.5°	1033.2	1033.5	1033.0	1031.7	1030.4	1029.1	1027.7
140°	1074.2	1074.7	1074.3	1073.0	1071.7	1070.4	1069.0
142.5°	1113.9	1114.2	1113.7	1112.4	1111.2	1109.8	1108.5
145°	1171.1	1171.1	1170.7	1170.0	1169.2	1168.4	1167.6
147.5°	1225.2	1225.8	1225.2	1223.5	1221.6	1219.9	1218.1
150°	1258.0	1258.0	1257.8	1257.2	1256.7	1256.2	1255.7
152.5°	1289.9	1290.5	1290.4	1289.5	1288.5	1287.6	1286.7
155°	1335.0	1336.2	1336.0	1334.6	1333.3	1332.1	1330.8
157.5°	1373.8	1374.8	1374.5	1372.8	1371.1	1369.4	1367.7
160°	1397.2	1398.3	1398.2	1396.8	1395.5	1394.2	1393.0
162.5°	1419.5	1420.8	1420.6	1419.1	1417.5	1416.0	1414.5
165°	1448.9	1450.0	1449.7	1448.1	1446.5	1445.0	1443.4
167.5°	1471.4	1472.9	1472.9	1471.3	1469.7	1468.0	1466.4
170°	1484.5	1486.0	1485.9	1484.1	1482.3	1480.5	1478.6
172.5°	1493.9	1495.4	1495.4	1493.8	1492.2	1490.6	1488.9
175°	1504.4	1506.0	1505.9	1504.1	1502.3	1500.4	1498.5
177.5°	1508.9	1510.2	1510.1	1508.6	1507.1	1505.7	1504.2
180°	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9	1507.9

(END OF REPORT)