

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: P331550-930

Luminaire Tested: **S122DIW-S675D1440U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331550-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIW-S675D1440U930-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1440 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6467.6 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

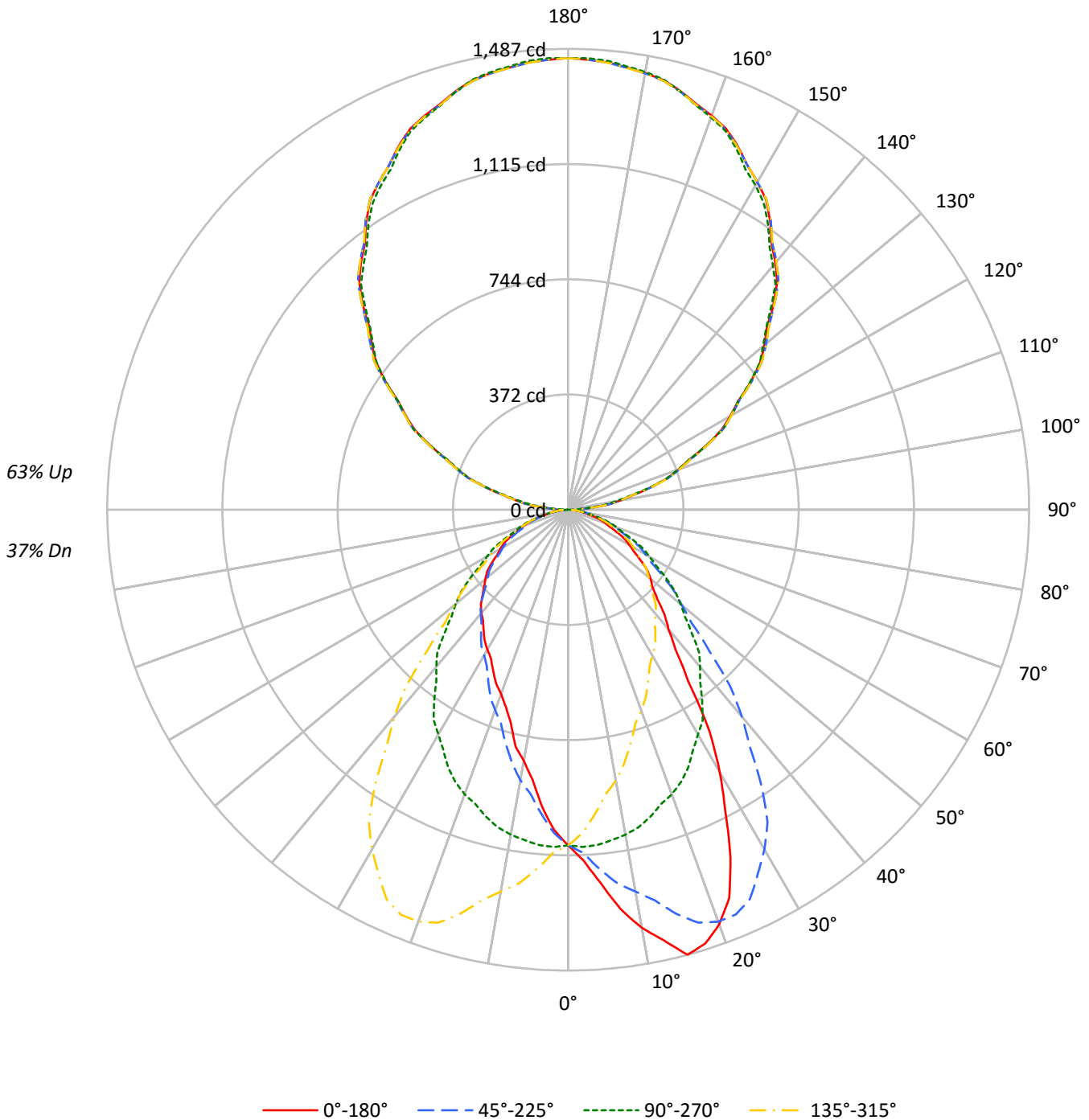
Input Watts (W): 68.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	37
1	95	91	87	84	86	83	80	77	67	65	63	53	51	50	40	39	38	32
2	87	80	74	69	79	73	68	64	59	56	53	47	44	42	35	34	32	27
3	80	71	64	58	72	64	58	54	53	48	45	42	39	36	32	30	28	23
4	73	63	55	49	66	57	51	46	47	42	38	37	34	31	28	26	24	20
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	23	22	18
6	62	50	42	37	56	46	39	34	38	33	29	30	27	24	23	21	19	16
7	57	45	38	32	52	42	35	30	34	29	26	28	24	21	22	19	17	14
8	53	41	34	29	48	38	31	27	31	26	23	25	22	19	20	17	15	13
9	49	38	30	25	45	35	28	24	29	24	21	23	20	17	18	16	14	12
10	46	34	27	23	42	32	26	21	27	22	18	22	18	16	17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17486	17486	17486	17486
5°	19603	17598	15595	17598
10°	22463	17454	13496	17454
15°	24849	17135	11925	17135
20°	24471	16790	10869	16790
25°	22066	16335	10203	16335
30°	18233	15605	9715	15605
35°	13291	14840	9368	14840
40°	10614	13940	9177	13940
45°	9275	12896	8914	12896
50°	8719	11886	8741	11886
55°	8037	10860	8504	10860
60°	7363	9771	8147	9771
65°	6709	8795	7790	8795
70°	6090	7841	7270	7841
75°	5402	6775	6438	6775
80°	4649	5607	5188	5607
85°	4168	4168	3075	4168



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	1.6
10°-20°	299.8	4.6
20°-30°	435.1	6.7
30°-40°	459.2	7.1
40°-50°	406.6	6.3
50°-60°	324.5	5.0
60°-70°	220.5	3.4
70°-80°	113.1	1.7
80°-90°	33.1	0.5
90°-100°	92.3	1.4
100°-110°	286.6	4.4
110°-120°	490.0	7.6
120°-130°	644.3	10.0
130°-140°	723.2	11.2
140°-150°	709.1	11.0
150°-160°	594.8	9.2
160°-170°	394.5	6.1
170°-180°	137.9	2.1
0°-30°	838.1	13.0
0°-40°	1297.3	20.1
0°-60°	2028.3	31.4
0°-90°	2395.0	37.0
90°-120°	868.9	13.4
90°-150°	2945.5	45.5
90°-180°	4073.0	63.0
0°-180°	6467.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1083	1083	1083	1083	1083	
5°	1210	1086	962	1086	1210	121
15°	1487	1025	713	1025	1487	410
25°	1239	917	573	917	1239	560
35°	674	753	475	753	674	439
45°	406	565	390	565	406	319
55°	286	386	302	386	286	256
65°	176	230	204	230	176	175
75°	87	109	103	109	87	93
85°	22	22	17	22	22	26
90°	42	1	42	1	42	19
95°	76	64	76	64	76	85
105°	273	264	273	264	273	287
115°	492	492	492	492	492	486
125°	718	715	718	715	718	640
135°	937	926	937	926	937	721
145°	1136	1123	1136	1123	1136	709
155°	1294	1284	1294	1284	1294	596
165°	1399	1398	1399	1398	1399	394
175°	1449	1454	1449	1454	1449	138
180°	1456	1456	1456	1456	1456	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1132.9	1133.2	1133.9	1128.5	1127.9	1127.9	1123.2	1119.2	1114.6	1108.2	1108.9
5°	1209.5	1214.1	1215.7	1210.7	1203.2	1202.4	1195.3	1183.7	1172.8	1164.1	1157.9
7.5°	1300.9	1302.7	1298.6	1292.0	1286.5	1276.5	1263.3	1250.4	1232.3	1215.8	1203.5
10°	1370.1	1372.6	1365.5	1356.0	1348.1	1336.4	1317.3	1297.7	1274.0	1251.1	1232.7
12.5°	1422.7	1428.9	1419.8	1418.5	1405.0	1389.0	1366.2	1356.3	1322.9	1291.0	1271.4
15°	1486.6	1486.2	1487.1	1479.2	1469.2	1466.6	1442.5	1416.3	1369.3	1350.5	1318.1
17.5°	1468.2	1474.5	1477.4	1477.3	1477.1	1475.5	1467.8	1451.2	1427.7	1397.3	1359.8
20°	1424.2	1432.6	1433.8	1443.4	1448.8	1455.9	1458.7	1454.2	1439.7	1414.2	1381.8
22.5°	1356.3	1358.6	1362.5	1377.4	1389.2	1406.9	1416.2	1431.6	1426.0	1413.6	1386.4
25°	1238.6	1234.4	1249.0	1256.5	1283.5	1311.8	1332.3	1354.7	1374.7	1386.7	1378.8
27.5°	1097.2	1091.0	1112.8	1132.7	1154.7	1185.4	1217.2	1254.7	1285.9	1324.9	1338.3
30°	978.0	981.8	1002.7	1023.9	1057.1	1100.4	1136.2	1177.5	1222.0	1265.7	1296.0
32.5°	849.5	864.0	877.1	909.6	938.9	987.2	1039.7	1091.2	1146.7	1196.4	1243.4
35°	674.3	690.9	709.2	733.0	774.1	822.0	873.2	942.6	1018.5	1086.3	1142.1
37.5°	567.5	564.8	575.4	592.5	625.9	664.5	723.4	792.1	881.3	961.0	1039.7
40°	503.6	501.9	509.4	525.2	550.7	578.9	630.6	690.9	773.7	871.1	964.7
42.5°	459.7	460.6	464.8	476.0	493.3	516.7	555.3	606.7	682.5	774.2	874.8
45°	406.2	409.1	413.7	419.1	429.1	448.3	469.9	506.5	566.5	643.0	742.1
47.5°	367.8	367.9	372.5	377.2	383.2	394.0	411.6	434.6	476.9	539.2	624.4
50°	347.1	344.2	347.6	351.2	357.5	365.0	376.7	398.3	426.6	477.0	548.1
52.5°	321.8	321.9	324.9	326.3	331.9	339.3	350.0	365.0	390.6	430.0	488.5
55°	285.5	287.6	289.3	291.7	296.8	302.1	310.5	320.5	340.5	370.0	413.3
57.5°	251.4	252.0	253.7	258.4	261.6	266.6	274.5	283.6	296.6	318.5	351.0
60°	228.0	228.0	231.4	233.5	237.7	242.6	248.9	257.6	269.3	287.1	313.4
62.5°	206.8	206.4	207.7	211.2	214.3	219.0	225.3	232.7	243.6	259.5	281.1
65°	175.6	174.8	177.3	178.1	181.5	186.1	191.0	198.9	207.7	219.3	238.5
67.5°	145.7	146.7	148.0	149.6	151.4	156.2	159.6	165.2	172.5	182.2	195.2
70°	129.0	129.0	129.0	130.3	132.7	135.3	138.6	143.2	150.3	158.6	170.2
72.5°	110.4	111.7	113.0	112.3	115.4	116.9	120.9	123.5	130.3	135.6	145.9
75°	86.6	86.6	86.6	88.6	89.9	91.2	93.7	96.1	99.5	106.2	111.5
77.5°	64.6	64.4	64.8	65.3	66.7	68.2	68.9	71.2	74.3	77.3	81.9
80°	50.0	50.8	51.2	52.0	52.0	52.8	53.2	56.2	58.3	60.3	63.3
82.5°	38.6	38.8	38.9	39.1	39.4	39.9	40.9	41.9	42.6	44.4	46.6
85°	22.5	22.1	22.1	22.9	22.5	22.5	23.3	24.1	24.1	24.5	25.8
87.5°	17.0	17.0	17.2	16.9	16.8	17.1	17.3	17.0	17.4	17.9	17.0
90°	41.8	41.5	41.3	41.0	40.7	40.8	41.4	41.9	42.5	43.0	37.0
92.5°	39.8	39.8	39.7	39.6	39.6	39.5	39.4	39.3	39.2	39.1	37.7
95°	76.2	76.7	77.3	77.9	78.4	78.7	78.7	78.7	78.7	78.7	78.1
97.5°	132.0	132.1	132.1	132.2	132.2	132.2	132.2	132.2	132.2	132.2	131.2
100°	168.4	168.7	168.9	169.2	169.5	169.6	169.6	169.6	169.6	169.6	168.8
102.5°	209.7	209.9	210.3	210.5	210.8	210.8	210.6	210.3	210.2	209.9	208.9
105°	272.9	272.9	272.9	272.9	272.9	272.6	272.1	271.5	270.9	270.4	269.9
107.5°	332.3	333.6	334.8	336.1	337.4	337.9	337.7	337.5	337.2	337.0	337.0
110°	378.5	379.4	380.2	381.0	381.8	382.3	382.3	382.3	382.3	382.3	382.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	422.8	423.4	424.0	424.6	425.2	425.8	426.5	427.1	427.8	428.4	428.7
115°	491.6	492.4	493.3	494.1	494.9	495.5	495.7	496.0	496.3	496.6	497.1
117.5°	557.3	558.1	558.9	559.7	560.5	561.3	562.0	562.6	563.3	563.9	565.4
120°	603.5	604.3	605.1	605.9	606.7	607.2	607.2	607.2	607.2	607.2	609.4
122.5°	648.7	649.3	650.0	650.5	651.1	651.8	652.4	653.1	653.7	654.4	655.9
125°	717.8	718.1	718.4	718.6	718.9	719.4	720.2	721.1	721.9	722.7	723.6
127.5°	780.7	781.6	782.4	783.3	784.2	785.1	786.1	787.1	788.1	789.1	790.1
130°	826.0	827.0	828.2	829.2	830.3	831.1	831.7	832.3	832.8	833.3	833.9
132.5°	869.2	870.1	871.0	871.9	872.7	873.8	875.0	876.2	877.3	878.6	878.5
135°	936.6	937.4	938.2	939.1	939.9	940.4	940.7	940.9	941.3	941.5	940.9
137.5°	997.5	998.7	999.7	1000.9	1001.9	1002.6	1002.8	1003.0	1003.2	1003.5	1002.7
140°	1039.8	1040.9	1042.0	1043.1	1044.2	1044.7	1044.7	1044.7	1044.7	1044.7	1043.4
142.5°	1078.2	1079.3	1080.4	1081.5	1082.6	1083.0	1082.8	1082.6	1082.3	1082.1	1081.2
145°	1135.7	1136.8	1137.9	1139.0	1140.0	1140.4	1140.2	1140.0	1139.6	1139.4	1137.8
147.5°	1187.1	1188.1	1189.1	1190.2	1191.2	1191.5	1190.8	1190.3	1189.7	1189.0	1188.0
150°	1220.5	1221.3	1222.1	1222.9	1223.8	1223.8	1222.9	1222.1	1221.3	1220.5	1219.4
152.5°	1252.0	1253.0	1254.0	1255.1	1256.1	1256.1	1255.1	1254.0	1253.0	1252.0	1250.7
155°	1294.3	1295.1	1295.9	1296.7	1297.5	1297.2	1295.9	1294.5	1293.1	1291.8	1290.9
157.5°	1330.6	1332.0	1333.3	1334.6	1335.9	1335.6	1333.7	1331.9	1330.0	1328.2	1327.7
160°	1353.2	1354.4	1355.4	1356.5	1357.6	1357.3	1355.7	1354.0	1352.4	1350.8	1350.5
162.5°	1372.9	1374.3	1375.6	1376.9	1378.2	1377.9	1376.1	1374.2	1372.3	1370.4	1370.2
165°	1398.7	1400.1	1401.5	1402.8	1404.2	1403.9	1402.0	1400.1	1398.2	1396.3	1396.3
167.5°	1419.8	1421.3	1422.7	1424.2	1425.6	1425.3	1423.4	1421.5	1419.6	1417.6	1417.7
170°	1430.7	1432.3	1433.9	1435.6	1437.2	1437.1	1435.2	1433.3	1431.3	1429.5	1429.7
172.5°	1439.6	1441.2	1442.8	1444.5	1446.1	1445.9	1444.1	1442.1	1440.2	1438.3	1438.6
175°	1449.1	1450.7	1452.4	1454.0	1455.7	1455.6	1453.6	1451.7	1449.8	1447.9	1448.5
177.5°	1453.5	1454.8	1456.2	1457.5	1458.8	1458.8	1457.5	1456.2	1454.8	1453.5	1454.0
180°	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1111.3	1108.6	1106.9	1100.9	1095.6	1090.3	1088.6	1089.2	1082.0	1075.0	1072.0
5°	1154.5	1146.2	1138.3	1127.1	1113.8	1099.2	1091.7	1085.8	1071.3	1055.5	1046.4
7.5°	1193.4	1181.5	1166.2	1145.0	1125.7	1102.8	1088.2	1075.3	1053.9	1031.7	1018.0
10°	1217.0	1200.7	1181.1	1155.4	1131.6	1103.8	1084.2	1064.6	1039.7	1013.0	996.4
12.5°	1237.3	1215.4	1196.1	1163.0	1135.0	1100.1	1076.8	1049.3	1023.0	991.4	975.1
15°	1285.6	1245.3	1208.6	1171.2	1136.6	1087.9	1062.2	1025.1	990.5	951.5	932.7
17.5°	1323.0	1277.7	1219.9	1172.3	1132.0	1078.2	1040.2	995.9	955.0	910.3	884.8
20°	1344.3	1292.2	1230.3	1173.7	1125.4	1063.8	1022.6	977.2	929.4	879.0	851.5
22.5°	1357.0	1302.3	1241.0	1168.7	1112.1	1052.1	1000.3	950.6	902.0	847.7	818.9
25°	1361.0	1311.0	1246.1	1164.5	1095.4	1027.6	965.2	916.9	858.2	807.4	765.4
27.5°	1341.2	1305.4	1242.9	1156.7	1076.2	996.9	927.3	872.6	810.7	755.5	713.3
30°	1316.9	1296.0	1235.3	1148.7	1060.9	975.6	898.9	837.0	775.3	719.6	676.3
32.5°	1279.2	1274.7	1221.3	1137.3	1044.6	948.6	869.4	806.7	738.4	683.6	642.4
35°	1205.3	1225.3	1191.6	1112.1	1013.8	910.2	824.5	752.9	682.2	629.7	591.0
37.5°	1106.3	1155.8	1147.0	1075.1	972.4	868.5	773.8	699.0	631.5	578.6	540.6
40°	1038.0	1101.2	1110.4	1046.8	943.1	836.2	735.8	661.4	595.6	547.3	509.0
42.5°	964.7	1038.7	1063.8	1012.8	911.1	802.2	701.9	624.7	559.6	512.7	478.7
45°	842.0	939.8	985.1	956.0	857.8	746.2	643.0	564.8	505.6	461.5	435.4
47.5°	727.2	834.1	895.0	884.8	798.4	687.9	586.0	510.9	453.3	418.1	394.6
50°	646.0	755.8	829.5	832.8	755.8	646.4	544.0	473.2	420.4	387.5	368.4
52.5°	575.4	680.2	760.6	778.2	708.2	603.1	506.4	435.9	389.4	359.1	342.0
55°	483.2	571.9	660.9	693.4	637.2	537.3	447.8	385.8	342.1	321.3	306.3
57.5°	401.7	475.6	557.9	593.8	559.1	473.6	389.7	335.9	300.4	282.2	270.7
60°	358.7	417.0	490.2	533.1	503.2	427.1	353.8	302.6	273.5	257.2	246.4
62.5°	318.8	370.4	432.4	471.6	455.3	383.4	317.8	272.6	247.4	232.2	224.5
65°	263.0	303.9	351.7	387.9	377.1	322.5	268.9	230.2	210.2	198.1	191.8
67.5°	216.6	246.1	279.2	311.0	302.2	263.6	220.5	190.4	175.5	165.1	161.3
70°	187.3	209.8	239.3	264.7	257.6	226.0	191.8	166.1	153.2	144.4	140.6
72.5°	159.3	177.8	200.3	221.1	216.3	190.0	161.6	142.1	132.2	124.1	121.0
75°	120.3	134.4	148.1	161.9	160.6	140.2	123.6	108.6	100.7	94.5	93.2
77.5°	88.8	96.7	106.1	114.2	111.9	100.3	87.2	78.7	72.8	68.6	68.0
80°	67.8	72.4	79.1	84.9	82.0	77.0	66.6	60.3	56.2	52.0	50.4
82.5°	49.2	53.8	57.8	60.9	58.7	54.1	47.6	43.4	40.8	38.1	37.3
85°	25.8	28.3	30.0	30.8	30.0	27.1	24.1	22.5	20.4	19.2	18.8
87.5°	16.2	15.0	13.8	13.5	11.9	11.3	9.2	7.6	7.9	8.2	8.2
90°	31.0	25.0	19.0	14.3	11.1	7.7	4.5	1.2	4.5	7.7	11.1
92.5°	36.3	34.8	33.4	31.5	29.1	26.7	24.3	21.9	24.3	26.7	29.1
95°	77.5	77.0	76.5	74.8	72.1	69.4	66.6	63.9	66.6	69.4	72.1
97.5°	130.2	129.1	128.1	126.4	124.0	121.6	119.2	116.8	119.2	121.6	124.0
100°	168.0	167.1	166.3	164.9	162.7	160.5	158.2	156.1	158.2	160.5	162.7
102.5°	207.8	206.8	205.8	204.4	202.6	200.9	199.2	197.4	199.2	200.9	202.6
105°	269.3	268.8	268.2	267.5	266.7	265.9	265.1	264.2	265.1	265.9	266.7
107.5°	337.0	337.0	337.0	336.4	335.3	334.0	332.8	331.6	332.8	334.0	335.3
110°	382.3	382.3	382.3	381.4	379.8	378.1	376.5	374.9	376.5	378.1	379.8



TEST NUMBER: P331550-930

CATALOG NUMBER: S122DIW-S675D1440U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	428.9	429.1	429.3	428.6	427.0	425.3	423.7	422.1	423.7	425.3	427.0
115°	497.7	498.2	498.7	498.2	496.6	494.9	493.3	491.6	493.3	494.9	496.6
117.5°	567.0	568.5	570.1	569.7	567.5	565.3	563.1	561.0	563.1	565.3	567.5
120°	611.6	613.8	616.0	616.0	613.8	611.6	609.4	607.2	609.4	611.6	613.8
122.5°	657.5	659.0	660.5	660.0	657.3	654.7	652.1	649.5	652.1	654.7	657.3
125°	724.4	725.2	726.0	725.2	722.7	720.2	717.8	715.3	717.8	720.2	722.7
127.5°	791.1	792.1	793.0	792.0	788.9	785.7	782.6	779.5	782.6	785.7	788.9
130°	834.5	834.9	835.5	834.1	830.5	827.0	823.4	819.8	823.4	827.0	830.5
132.5°	878.3	878.2	878.2	876.6	873.8	870.8	868.0	865.0	868.0	870.8	873.8
135°	940.4	939.9	939.3	937.5	934.5	931.6	928.5	925.5	928.5	931.6	934.5
137.5°	1002.0	1001.4	1000.6	999.0	996.5	994.1	991.6	989.2	991.6	994.1	996.5
140°	1042.0	1040.6	1039.3	1037.4	1034.9	1032.5	1030.0	1027.5	1030.0	1032.5	1034.9
142.5°	1080.3	1079.3	1078.4	1076.7	1074.2	1071.8	1069.3	1066.9	1069.3	1071.8	1074.2
145°	1136.1	1134.5	1132.9	1131.1	1129.1	1127.2	1125.4	1123.4	1125.4	1127.2	1129.1
147.5°	1186.8	1185.8	1184.7	1183.0	1180.7	1178.4	1176.1	1173.8	1176.1	1178.4	1180.7
150°	1218.3	1217.2	1216.1	1214.8	1213.2	1211.5	1209.8	1208.2	1209.8	1211.5	1213.2
152.5°	1249.4	1248.1	1246.8	1245.3	1243.6	1241.9	1240.3	1238.7	1240.3	1241.9	1243.6
155°	1290.1	1289.3	1288.5	1287.7	1286.9	1286.1	1285.2	1284.4	1285.2	1286.1	1286.9
157.5°	1327.2	1326.7	1326.2	1325.7	1325.2	1324.6	1324.0	1323.5	1324.0	1324.6	1325.2
160°	1350.2	1350.0	1349.7	1349.3	1348.7	1348.2	1347.7	1347.1	1347.7	1348.2	1348.7
162.5°	1369.9	1369.6	1369.4	1369.2	1369.1	1369.0	1368.9	1368.7	1368.9	1369.0	1369.1
165°	1396.3	1396.3	1396.3	1396.4	1396.7	1396.9	1397.3	1397.5	1397.3	1396.9	1396.7
167.5°	1417.8	1417.8	1417.9	1418.3	1419.1	1419.9	1420.7	1421.6	1420.7	1419.9	1419.1
170°	1430.0	1430.3	1430.5	1431.1	1431.9	1432.7	1433.5	1434.4	1433.5	1432.7	1431.9
172.5°	1438.8	1439.2	1439.4	1440.0	1440.8	1441.6	1442.4	1443.2	1442.4	1441.6	1440.8
175°	1448.9	1449.5	1450.1	1450.7	1451.6	1452.4	1453.2	1454.0	1453.2	1452.4	1451.6
177.5°	1454.4	1454.8	1455.3	1455.9	1456.5	1457.2	1457.8	1458.5	1457.8	1457.2	1456.5
180°	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5



TEST NUMBER: P331550-930

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1068.6	1066.7	1059.6	1056.0	1049.9	1044.3	1040.6	1042.4	1043.7	1043.0	1042.0
5°	1038.0	1030.0	1018.0	1007.6	1000.1	986.3	980.6	977.6	975.2	972.2	969.3
7.5°	1001.5	989.0	971.8	956.9	942.9	925.9	916.2	910.3	904.3	897.7	891.9
10°	975.6	958.1	939.8	918.9	902.3	886.9	873.2	864.1	855.7	847.8	842.0
12.5°	948.3	928.1	905.5	877.0	858.7	836.7	834.5	818.4	805.4	800.5	793.7
15°	904.8	876.5	847.8	814.1	799.5	779.5	767.0	754.6	743.3	735.4	733.4
17.5°	855.4	818.8	790.3	766.1	742.2	721.7	710.2	700.2	691.0	680.4	679.0
20°	817.8	786.2	755.0	733.8	709.2	688.4	674.3	664.2	656.3	650.1	644.7
22.5°	782.2	747.5	719.0	695.8	671.6	654.8	643.6	634.0	627.4	620.4	615.4
25°	725.0	698.0	666.8	640.5	620.5	609.8	600.5	592.2	588.1	583.5	577.7
27.5°	675.0	644.9	615.7	595.4	577.9	568.3	561.7	556.1	552.2	549.5	546.3
30°	639.7	609.3	586.4	566.5	551.9	542.3	538.2	534.8	530.3	528.6	526.9
32.5°	605.8	578.4	558.8	541.4	527.6	521.3	517.5	514.5	510.9	509.2	505.9
35°	557.7	534.8	515.7	506.1	494.9	489.4	486.6	482.3	479.1	477.4	477.0
37.5°	512.5	492.6	480.0	467.7	463.0	459.7	455.7	452.8	451.8	451.6	451.2
40°	483.2	467.0	455.8	445.7	443.7	438.6	435.4	432.8	432.8	433.3	432.8
42.5°	456.6	442.0	432.1	423.5	421.0	418.0	414.7	414.5	415.2	416.6	415.2
45°	416.2	405.8	398.7	394.5	390.0	387.0	386.6	387.9	388.3	388.7	390.0
47.5°	379.0	372.2	365.7	361.2	359.1	358.7	358.2	360.4	362.3	363.1	365.0
50°	357.1	349.2	343.8	340.9	339.2	338.3	339.2	341.7	343.3	345.4	346.7
52.5°	332.5	326.9	323.1	320.9	320.2	320.7	320.9	323.8	326.4	327.1	327.8
55°	298.4	294.2	293.4	289.7	291.3	290.9	293.0	294.6	297.2	299.6	300.1
57.5°	264.5	261.1	258.9	259.2	259.7	261.5	263.3	266.2	268.9	271.5	271.7
60°	241.8	240.1	238.9	238.9	239.7	242.2	244.3	247.2	248.9	250.5	251.8
62.5°	221.2	219.5	218.3	218.9	221.1	222.6	225.0	226.6	228.2	229.9	230.5
65°	188.5	187.7	189.0	189.8	190.2	192.2	195.2	196.4	198.1	198.9	201.9
67.5°	158.5	158.7	158.5	159.6	162.1	162.6	165.3	168.2	168.5	170.2	172.0
70°	138.2	139.0	139.8	140.6	142.8	143.6	145.7	146.9	148.5	149.9	151.1
72.5°	119.5	119.7	120.5	120.3	122.1	123.9	125.7	126.9	128.6	130.2	131.4
75°	92.0	92.0	92.8	93.2	95.3	97.4	96.9	97.8	99.5	101.1	102.0
77.5°	67.2	66.3	67.2	67.6	68.2	70.0	70.4	71.5	73.4	72.8	73.8
80°	51.2	50.0	51.2	51.6	51.6	53.7	53.7	54.5	55.8	54.5	55.8
82.5°	36.5	36.0	36.9	36.9	37.6	37.7	38.4	38.6	39.8	39.2	39.8
85°	18.3	17.9	18.3	17.9	18.3	18.8	18.8	18.3	18.3	19.2	17.9
87.5°	8.6	9.1	10.0	11.2	12.1	13.0	12.5	12.4	12.3	11.5	11.5
90°	14.3	19.0	25.0	31.0	37.0	43.0	42.5	41.9	41.4	40.8	40.7
92.5°	31.5	33.4	34.8	36.3	37.7	39.1	39.2	39.3	39.4	39.5	39.6
95°	74.8	76.5	77.0	77.5	78.1	78.7	78.7	78.7	78.7	78.7	78.4
97.5°	126.4	128.1	129.1	130.2	131.2	132.2	132.2	132.2	132.2	132.2	132.2
100°	164.9	166.3	167.1	168.0	168.8	169.6	169.6	169.6	169.6	169.6	169.5
102.5°	204.4	205.8	206.8	207.8	208.9	209.9	210.2	210.3	210.6	210.8	210.8
105°	267.5	268.2	268.8	269.3	269.9	270.4	270.9	271.5	272.1	272.6	272.9
107.5°	336.4	337.0	337.0	337.0	337.0	337.0	337.2	337.5	337.7	337.9	337.4
110°	381.4	382.3	382.3	382.3	382.3	382.3	382.3	382.3	382.3	382.3	381.8



TEST NUMBER: P331550-930

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	428.6	429.3	429.1	428.9	428.7	428.4	427.8	427.1	426.5	425.8	425.2
115°	498.2	498.7	498.2	497.7	497.1	496.6	496.3	496.0	495.7	495.5	494.9
117.5°	569.7	570.1	568.5	567.0	565.4	563.9	563.3	562.6	562.0	561.3	560.5
120°	616.0	616.0	613.8	611.6	609.4	607.2	607.2	607.2	607.2	607.2	606.7
122.5°	660.0	660.5	659.0	657.5	655.9	654.4	653.7	653.1	652.4	651.8	651.1
125°	725.2	726.0	725.2	724.4	723.6	722.7	721.9	721.1	720.2	719.4	718.9
127.5°	792.0	793.0	792.1	791.1	790.1	789.1	788.1	787.1	786.1	785.1	784.2
130°	834.1	835.5	834.9	834.5	833.9	833.3	832.8	832.3	831.7	831.1	830.3
132.5°	876.6	878.2	878.2	878.3	878.5	878.6	877.3	876.2	875.0	873.8	872.7
135°	937.5	939.3	939.9	940.4	940.9	941.5	941.3	940.9	940.7	940.4	939.9
137.5°	999.0	1000.6	1001.4	1002.0	1002.7	1003.5	1003.2	1003.0	1002.8	1002.6	1001.9
140°	1037.4	1039.3	1040.6	1042.0	1043.4	1044.7	1044.7	1044.7	1044.7	1044.7	1044.2
142.5°	1076.7	1078.4	1079.3	1080.3	1081.2	1082.1	1082.3	1082.6	1082.8	1083.0	1082.6
145°	1131.1	1132.9	1134.5	1136.1	1137.8	1139.4	1139.6	1140.0	1140.2	1140.4	1140.0
147.5°	1183.0	1184.7	1185.8	1186.8	1188.0	1189.0	1189.7	1190.3	1190.8	1191.5	1191.2
150°	1214.8	1216.1	1217.2	1218.3	1219.4	1220.5	1221.3	1222.1	1222.9	1223.8	1223.8
152.5°	1245.3	1246.8	1248.1	1249.4	1250.7	1252.0	1253.0	1254.0	1255.1	1256.1	1256.1
155°	1287.7	1288.5	1289.3	1290.1	1290.9	1291.8	1293.1	1294.5	1295.9	1297.2	1297.5
157.5°	1325.7	1326.2	1326.7	1327.2	1327.7	1328.2	1330.0	1331.9	1333.7	1335.6	1335.9
160°	1349.3	1349.7	1350.0	1350.2	1350.5	1350.8	1352.4	1354.0	1355.7	1357.3	1357.6
162.5°	1369.2	1369.4	1369.6	1369.9	1370.2	1370.4	1372.3	1374.2	1376.1	1377.9	1378.2
165°	1396.4	1396.3	1396.3	1396.3	1396.3	1396.3	1398.2	1400.1	1402.0	1403.9	1404.2
167.5°	1418.3	1417.9	1417.8	1417.8	1417.7	1417.6	1419.6	1421.5	1423.4	1425.3	1425.6
170°	1431.1	1430.5	1430.3	1430.0	1429.7	1429.5	1431.3	1433.3	1435.2	1437.1	1437.2
172.5°	1440.0	1439.4	1439.2	1438.8	1438.6	1438.3	1440.2	1442.1	1444.1	1445.9	1446.1
175°	1450.7	1450.1	1449.5	1448.9	1448.5	1447.9	1449.8	1451.7	1453.6	1455.6	1455.7
177.5°	1455.9	1455.3	1454.8	1454.4	1454.0	1453.5	1454.8	1456.2	1457.5	1458.8	1458.8
180°	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5



TEST NUMBER: P331550-930

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1038.7	1038.0	1038.0	1035.0	1038.0	1038.0	1038.7	1042.0	1043.0	1043.7	1042.4
5°	963.5	962.2	960.2	962.2	960.2	962.2	963.5	969.3	972.2	975.2	977.6
7.5°	889.2	884.2	883.5	878.5	883.5	884.2	889.2	891.9	897.7	904.3	910.3
10°	834.9	831.5	831.1	823.2	831.1	831.5	834.9	842.0	847.8	855.7	864.1
12.5°	793.6	785.6	787.2	782.6	787.2	785.6	793.6	793.7	800.5	805.4	818.4
15°	722.1	722.1	720.4	713.4	720.4	722.1	722.1	733.4	735.4	743.3	754.6
17.5°	670.7	669.9	665.9	667.9	665.9	669.9	670.7	679.0	680.4	691.0	700.2
20°	640.1	637.6	632.6	632.6	632.6	637.6	640.1	644.7	650.1	656.3	664.2
22.5°	611.1	611.0	605.7	607.3	605.7	611.0	611.1	615.4	620.4	627.4	634.0
25°	577.2	574.0	571.4	572.7	571.4	574.0	577.2	577.7	583.5	588.1	592.2
27.5°	545.1	543.3	543.2	539.7	543.2	543.3	545.1	546.3	549.5	552.2	556.1
30°	526.5	522.4	523.2	521.1	523.2	522.4	526.5	526.9	528.6	530.3	534.8
32.5°	505.2	503.7	502.9	501.1	502.9	503.7	505.2	505.9	509.2	510.9	514.5
35°	476.1	476.5	474.5	475.3	474.5	476.5	476.1	477.0	477.4	479.1	482.3
37.5°	450.8	452.1	451.1	451.3	451.1	452.1	450.8	451.2	451.6	451.8	452.8
40°	434.1	434.1	434.1	435.4	434.1	434.1	434.1	432.8	433.3	432.8	432.8
42.5°	418.1	417.4	416.8	416.7	416.8	417.4	418.1	415.2	416.6	415.2	414.5
45°	390.8	392.1	392.5	390.4	392.5	392.1	390.8	390.0	388.7	388.3	387.9
47.5°	366.1	366.2	366.1	367.9	366.1	366.2	366.1	365.0	363.1	362.3	360.4
50°	348.8	348.0	348.8	348.0	348.8	348.0	348.8	346.7	345.4	343.3	341.7
52.5°	330.4	330.6	330.1	330.0	330.1	330.6	330.4	327.8	327.1	326.4	323.8
55°	301.7	302.6	302.1	302.1	302.1	302.6	301.7	300.1	299.6	297.2	294.6
57.5°	272.1	272.8	273.4	271.5	273.4	272.8	272.1	271.7	271.5	268.9	266.2
60°	251.4	253.5	253.1	252.3	253.1	253.5	251.4	251.8	250.5	248.9	247.2
62.5°	232.4	233.2	233.1	232.9	233.1	233.2	232.4	230.5	229.9	228.2	226.6
65°	203.1	203.9	202.7	203.9	202.7	203.9	203.1	201.9	198.9	198.1	196.4
67.5°	171.5	171.8	172.8	173.3	172.8	171.8	171.5	172.0	170.2	168.5	168.2
70°	151.9	151.5	152.7	154.0	152.7	151.5	151.9	151.1	149.9	148.5	146.9
72.5°	131.3	132.2	131.8	132.6	131.8	132.2	131.3	131.4	130.2	128.6	126.9
75°	101.1	102.4	102.0	103.2	102.0	102.4	101.1	102.0	101.1	99.5	97.8
77.5°	73.1	73.2	73.1	73.8	73.1	73.2	73.1	73.8	72.8	73.4	71.5
80°	55.8	55.0	54.1	55.8	54.1	55.0	55.8	55.8	54.5	55.8	54.5
82.5°	38.8	39.3	38.5	38.5	38.5	39.3	38.8	39.8	39.2	39.8	38.6
85°	17.9	17.4	16.6	16.6	16.6	17.4	17.9	17.9	19.2	18.3	18.3
87.5°	11.5	11.3	11.3	11.0	11.3	11.3	11.5	11.5	11.5	12.3	12.4
90°	41.0	41.3	41.5	41.8	41.5	41.3	41.0	40.7	40.8	41.4	41.9
92.5°	39.6	39.7	39.8	39.8	39.8	39.7	39.6	39.6	39.5	39.4	39.3
95°	77.9	77.3	76.7	76.2	76.7	77.3	77.9	78.4	78.7	78.7	78.7
97.5°	132.2	132.1	132.1	132.0	132.1	132.1	132.2	132.2	132.2	132.2	132.2
100°	169.2	168.9	168.7	168.4	168.7	168.9	169.2	169.5	169.6	169.6	169.6
102.5°	210.5	210.3	209.9	209.7	209.9	210.3	210.5	210.8	210.8	210.6	210.3
105°	272.9	272.9	272.9	272.9	272.9	272.9	272.9	272.9	272.6	272.1	271.5
107.5°	336.1	334.8	333.6	332.3	333.6	334.8	336.1	337.4	337.9	337.7	337.5
110°	381.0	380.2	379.4	378.5	379.4	380.2	381.0	381.8	382.3	382.3	382.3



TEST NUMBER: P331550-930

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	424.6	424.0	423.4	422.8	423.4	424.0	424.6	425.2	425.8	426.5	427.1
115°	494.1	493.3	492.4	491.6	492.4	493.3	494.1	494.9	495.5	495.7	496.0
117.5°	559.7	558.9	558.1	557.3	558.1	558.9	559.7	560.5	561.3	562.0	562.6
120°	605.9	605.1	604.3	603.5	604.3	605.1	605.9	606.7	607.2	607.2	607.2
122.5°	650.5	650.0	649.3	648.7	649.3	650.0	650.5	651.1	651.8	652.4	653.1
125°	718.6	718.4	718.1	717.8	718.1	718.4	718.6	718.9	719.4	720.2	721.1
127.5°	783.3	782.4	781.6	780.7	781.6	782.4	783.3	784.2	785.1	786.1	787.1
130°	829.2	828.2	827.0	826.0	827.0	828.2	829.2	830.3	831.1	831.7	832.3
132.5°	871.9	871.0	870.1	869.2	870.1	871.0	871.9	872.7	873.8	875.0	876.2
135°	939.1	938.2	937.4	936.6	937.4	938.2	939.1	939.9	940.4	940.7	940.9
137.5°	1000.9	999.7	998.7	997.5	998.7	999.7	1000.9	1001.9	1002.6	1002.8	1003.0
140°	1043.1	1042.0	1040.9	1039.8	1040.9	1042.0	1043.1	1044.2	1044.7	1044.7	1044.7
142.5°	1081.5	1080.4	1079.3	1078.2	1079.3	1080.4	1081.5	1082.6	1083.0	1082.8	1082.6
145°	1139.0	1137.9	1136.8	1135.7	1136.8	1137.9	1139.0	1140.0	1140.4	1140.2	1140.0
147.5°	1190.2	1189.1	1188.1	1187.1	1188.1	1189.1	1190.2	1191.2	1191.5	1190.8	1190.3
150°	1222.9	1222.1	1221.3	1220.5	1221.3	1222.1	1222.9	1223.8	1223.8	1222.9	1222.1
152.5°	1255.1	1254.0	1253.0	1252.0	1253.0	1254.0	1255.1	1256.1	1256.1	1255.1	1254.0
155°	1296.7	1295.9	1295.1	1294.3	1295.1	1295.9	1296.7	1297.5	1297.2	1295.9	1294.5
157.5°	1334.6	1333.3	1332.0	1330.6	1332.0	1333.3	1334.6	1335.9	1335.6	1333.7	1331.9
160°	1356.5	1355.4	1354.4	1353.2	1354.4	1355.4	1356.5	1357.6	1357.3	1355.7	1354.0
162.5°	1376.9	1375.6	1374.3	1372.9	1374.3	1375.6	1376.9	1378.2	1377.9	1376.1	1374.2
165°	1402.8	1401.5	1400.1	1398.7	1400.1	1401.5	1402.8	1404.2	1403.9	1402.0	1400.1
167.5°	1424.2	1422.7	1421.3	1419.8	1421.3	1422.7	1424.2	1425.6	1425.3	1423.4	1421.5
170°	1435.6	1433.9	1432.3	1430.7	1432.3	1433.9	1435.6	1437.2	1437.1	1435.2	1433.3
172.5°	1444.5	1442.8	1441.2	1439.6	1441.2	1442.8	1444.5	1446.1	1445.9	1444.1	1442.1
175°	1454.0	1452.4	1450.7	1449.1	1450.7	1452.4	1454.0	1455.7	1455.6	1453.6	1451.7
177.5°	1457.5	1456.2	1454.8	1453.5	1454.8	1456.2	1457.5	1458.8	1458.8	1457.5	1456.2
180°	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1040.6	1044.3	1049.9	1056.0	1059.6	1066.7	1068.6	1072.0	1075.0	1082.0	1089.2
5°	980.6	986.3	1000.1	1007.6	1018.0	1030.0	1038.0	1046.4	1055.5	1071.3	1085.8
7.5°	916.2	925.9	942.9	956.9	971.8	989.0	1001.5	1018.0	1031.7	1053.9	1075.3
10°	873.2	886.9	902.3	918.9	939.8	958.1	975.6	996.4	1013.0	1039.7	1064.6
12.5°	834.5	836.7	858.7	877.0	905.5	928.1	948.3	975.1	991.4	1023.0	1049.3
15°	767.0	779.5	799.5	814.1	847.8	876.5	904.8	932.7	951.5	990.5	1025.1
17.5°	710.2	721.7	742.2	766.1	790.3	818.8	855.4	884.8	910.3	955.0	995.9
20°	674.3	688.4	709.2	733.8	755.0	786.2	817.8	851.5	879.0	929.4	977.2
22.5°	643.6	654.8	671.6	695.8	719.0	747.5	782.2	818.9	847.7	902.0	950.6
25°	600.5	609.8	620.5	640.5	666.8	698.0	725.0	765.4	807.4	858.2	916.9
27.5°	561.7	568.3	577.9	595.4	615.7	644.9	675.0	713.3	755.5	810.7	872.6
30°	538.2	542.3	551.9	566.5	586.4	609.3	639.7	676.3	719.6	775.3	837.0
32.5°	517.5	521.3	527.6	541.4	558.8	578.4	605.8	642.4	683.6	738.4	806.7
35°	486.6	489.4	494.9	506.1	515.7	534.8	557.7	591.0	629.7	682.2	752.9
37.5°	455.7	459.7	463.0	467.7	480.0	492.6	512.5	540.6	578.6	631.5	699.0
40°	435.4	438.6	443.7	445.7	455.8	467.0	483.2	509.0	547.3	595.6	661.4
42.5°	414.7	418.0	421.0	423.5	432.1	442.0	456.6	478.7	512.7	559.6	624.7
45°	386.6	387.0	390.0	394.5	398.7	405.8	416.2	435.4	461.5	505.6	564.8
47.5°	358.2	358.7	359.1	361.2	365.7	372.2	379.0	394.6	418.1	453.3	510.9
50°	339.2	338.3	339.2	340.9	343.8	349.2	357.1	368.4	387.5	420.4	473.2
52.5°	320.9	320.7	320.2	320.9	323.1	326.9	332.5	342.0	359.1	389.4	435.9
55°	293.0	290.9	291.3	289.7	293.4	294.2	298.4	306.3	321.3	342.1	385.8
57.5°	263.3	261.5	259.7	259.2	258.9	261.1	264.5	270.7	282.2	300.4	335.9
60°	244.3	242.2	239.7	238.9	238.9	240.1	241.8	246.4	257.2	273.5	302.6
62.5°	225.0	222.6	221.1	218.9	218.3	219.5	221.2	224.5	232.2	247.4	272.6
65°	195.2	192.2	190.2	189.8	189.0	187.7	188.5	191.8	198.1	210.2	230.2
67.5°	165.3	162.6	162.1	159.6	158.5	158.7	158.5	161.3	165.1	175.5	190.4
70°	145.7	143.6	142.8	140.6	139.8	139.0	138.2	140.6	144.4	153.2	166.1
72.5°	125.7	123.9	122.1	120.3	120.5	119.7	119.5	121.0	124.1	132.2	142.1
75°	96.9	97.4	95.3	93.2	92.8	92.0	92.0	93.2	94.5	100.7	108.6
77.5°	70.4	70.0	68.2	67.6	67.2	66.3	67.2	68.0	68.6	72.8	78.7
80°	53.7	53.7	51.6	51.6	51.2	50.0	51.2	50.4	52.0	56.2	60.3
82.5°	38.4	37.7	37.6	36.9	36.9	36.0	36.5	37.3	38.1	40.8	43.4
85°	18.8	18.8	18.3	17.9	18.3	17.9	18.3	18.8	19.2	20.4	22.5
87.5°	12.5	13.0	12.1	11.2	10.0	9.1	8.6	8.2	8.2	7.9	7.6
90°	42.5	43.0	37.0	31.0	25.0	19.0	14.3	11.1	7.7	4.5	1.2
92.5°	39.2	39.1	37.7	36.3	34.8	33.4	31.5	29.1	26.7	24.3	21.9
95°	78.7	78.7	78.1	77.5	77.0	76.5	74.8	72.1	69.4	66.6	63.9
97.5°	132.2	132.2	131.2	130.2	129.1	128.1	126.4	124.0	121.6	119.2	116.8
100°	169.6	169.6	168.8	168.0	167.1	166.3	164.9	162.7	160.5	158.2	156.1
102.5°	210.2	209.9	208.9	207.8	206.8	205.8	204.4	202.6	200.9	199.2	197.4
105°	270.9	270.4	269.9	269.3	268.8	268.2	267.5	266.7	265.9	265.1	264.2
107.5°	337.2	337.0	337.0	337.0	337.0	337.0	336.4	335.3	334.0	332.8	331.6
110°	382.3	382.3	382.3	382.3	382.3	382.3	381.4	379.8	378.1	376.5	374.9



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	427.8	428.4	428.7	428.9	429.1	429.3	428.6	427.0	425.3	423.7	422.1
115°	496.3	496.6	497.1	497.7	498.2	498.7	498.2	496.6	494.9	493.3	491.6
117.5°	563.3	563.9	565.4	567.0	568.5	570.1	569.7	567.5	565.3	563.1	561.0
120°	607.2	607.2	609.4	611.6	613.8	616.0	616.0	613.8	611.6	609.4	607.2
122.5°	653.7	654.4	655.9	657.5	659.0	660.5	660.0	657.3	654.7	652.1	649.5
125°	721.9	722.7	723.6	724.4	725.2	726.0	725.2	722.7	720.2	717.8	715.3
127.5°	788.1	789.1	790.1	791.1	792.1	793.0	792.0	788.9	785.7	782.6	779.5
130°	832.8	833.3	833.9	834.5	834.9	835.5	834.1	830.5	827.0	823.4	819.8
132.5°	877.3	878.6	878.5	878.3	878.2	878.2	876.6	873.8	870.8	868.0	865.0
135°	941.3	941.5	940.9	940.4	939.9	939.3	937.5	934.5	931.6	928.5	925.5
137.5°	1003.2	1003.5	1002.7	1002.0	1001.4	1000.6	999.0	996.5	994.1	991.6	989.2
140°	1044.7	1044.7	1043.4	1042.0	1040.6	1039.3	1037.4	1034.9	1032.5	1030.0	1027.5
142.5°	1082.3	1082.1	1081.2	1080.3	1079.3	1078.4	1076.7	1074.2	1071.8	1069.3	1066.9
145°	1139.6	1139.4	1137.8	1136.1	1134.5	1132.9	1131.1	1129.1	1127.2	1125.4	1123.4
147.5°	1189.7	1189.0	1188.0	1186.8	1185.8	1184.7	1183.0	1180.7	1178.4	1176.1	1173.8
150°	1221.3	1220.5	1219.4	1218.3	1217.2	1216.1	1214.8	1213.2	1211.5	1209.8	1208.2
152.5°	1253.0	1252.0	1250.7	1249.4	1248.1	1246.8	1245.3	1243.6	1241.9	1240.3	1238.7
155°	1293.1	1291.8	1290.9	1290.1	1289.3	1288.5	1287.7	1286.9	1286.1	1285.2	1284.4
157.5°	1330.0	1328.2	1327.7	1327.2	1326.7	1326.2	1325.7	1325.2	1324.6	1324.0	1323.5
160°	1352.4	1350.8	1350.5	1350.2	1350.0	1349.7	1349.3	1348.7	1348.2	1347.7	1347.1
162.5°	1372.3	1370.4	1370.2	1369.9	1369.6	1369.4	1369.2	1369.1	1369.0	1368.9	1368.7
165°	1398.2	1396.3	1396.3	1396.3	1396.3	1396.3	1396.4	1396.7	1396.9	1397.3	1397.5
167.5°	1419.6	1417.6	1417.7	1417.8	1417.8	1417.9	1418.3	1419.1	1419.9	1420.7	1421.6
170°	1431.3	1429.5	1429.7	1430.0	1430.3	1430.5	1431.1	1431.9	1432.7	1433.5	1434.4
172.5°	1440.2	1438.3	1438.6	1438.8	1439.2	1439.4	1440.0	1440.8	1441.6	1442.4	1443.2
175°	1449.8	1447.9	1448.5	1448.9	1449.5	1450.1	1450.7	1451.6	1452.4	1453.2	1454.0
177.5°	1454.8	1453.5	1454.0	1454.4	1454.8	1455.3	1455.9	1456.5	1457.2	1457.8	1458.5
180°	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1088.6	1090.3	1095.6	1100.9	1106.9	1108.6	1111.3	1108.9	1108.2	1114.6	1119.2
5°	1091.7	1099.2	1113.8	1127.1	1138.3	1146.2	1154.5	1157.9	1164.1	1172.8	1183.7
7.5°	1088.2	1102.8	1125.7	1145.0	1166.2	1181.5	1193.4	1203.5	1215.8	1232.3	1250.4
10°	1084.2	1103.8	1131.6	1155.4	1181.1	1200.7	1217.0	1232.7	1251.1	1274.0	1297.7
12.5°	1076.8	1100.1	1135.0	1163.0	1196.1	1215.4	1237.3	1271.4	1291.0	1322.9	1356.3
15°	1062.2	1087.9	1136.6	1171.2	1208.6	1245.3	1285.6	1318.1	1350.5	1369.3	1416.3
17.5°	1040.2	1078.2	1132.0	1172.3	1219.9	1277.7	1323.0	1359.8	1397.3	1427.7	1451.2
20°	1022.6	1063.8	1125.4	1173.7	1230.3	1292.2	1344.3	1381.8	1414.2	1439.7	1454.2
22.5°	1000.3	1052.1	1112.1	1168.7	1241.0	1302.3	1357.0	1386.4	1413.6	1426.0	1431.6
25°	965.2	1027.6	1095.4	1164.5	1246.1	1311.0	1361.0	1378.8	1386.7	1374.7	1354.7
27.5°	927.3	996.9	1076.2	1156.7	1242.9	1305.4	1341.2	1338.3	1324.9	1285.9	1254.7
30°	898.9	975.6	1060.9	1148.7	1235.3	1296.0	1316.9	1296.0	1265.7	1222.0	1177.5
32.5°	869.4	948.6	1044.6	1137.3	1221.3	1274.7	1279.2	1243.4	1196.4	1146.7	1091.2
35°	824.5	910.2	1013.8	1112.1	1191.6	1225.3	1205.3	1142.1	1086.3	1018.5	942.6
37.5°	773.8	868.5	972.4	1075.1	1147.0	1155.8	1106.3	1039.7	961.0	881.3	792.1
40°	735.8	836.2	943.1	1046.8	1110.4	1101.2	1038.0	964.7	871.1	773.7	690.9
42.5°	701.9	802.2	911.1	1012.8	1063.8	1038.7	964.7	874.8	774.2	682.5	606.7
45°	643.0	746.2	857.8	956.0	985.1	939.8	842.0	742.1	643.0	566.5	506.5
47.5°	586.0	687.9	798.4	884.8	895.0	834.1	727.2	624.4	539.2	476.9	434.6
50°	544.0	646.4	755.8	832.8	829.5	755.8	646.0	548.1	477.0	426.6	398.3
52.5°	506.4	603.1	708.2	778.2	760.6	680.2	575.4	488.5	430.0	390.6	365.0
55°	447.8	537.3	637.2	693.4	660.9	571.9	483.2	413.3	370.0	340.5	320.5
57.5°	389.7	473.6	559.1	593.8	557.9	475.6	401.7	351.0	318.5	296.6	283.6
60°	353.8	427.1	503.2	533.1	490.2	417.0	358.7	313.4	287.1	269.3	257.6
62.5°	317.8	383.4	455.3	471.6	432.4	370.4	318.8	281.1	259.5	243.6	232.7
65°	268.9	322.5	377.1	387.9	351.7	303.9	263.0	238.5	219.3	207.7	198.9
67.5°	220.5	263.6	302.2	311.0	279.2	246.1	216.6	195.2	182.2	172.5	165.2
70°	191.8	226.0	257.6	264.7	239.3	209.8	187.3	170.2	158.6	150.3	143.2
72.5°	161.6	190.0	216.3	221.1	200.3	177.8	159.3	145.9	135.6	130.3	123.5
75°	123.6	140.2	160.6	161.9	148.1	134.4	120.3	111.5	106.2	99.5	96.1
77.5°	87.2	100.3	111.9	114.2	106.1	96.7	88.8	81.9	77.3	74.3	71.2
80°	66.6	77.0	82.0	84.9	79.1	72.4	67.8	63.3	60.3	58.3	56.2
82.5°	47.6	54.1	58.7	60.9	57.8	53.8	49.2	46.6	44.4	42.6	41.9
85°	24.1	27.1	30.0	30.8	30.0	28.3	25.8	25.8	24.5	24.1	24.1
87.5°	9.2	11.3	11.9	13.5	13.8	15.0	16.2	17.0	17.9	17.4	17.0
90°	4.5	7.7	11.1	14.3	19.0	25.0	31.0	37.0	43.0	42.5	41.9
92.5°	24.3	26.7	29.1	31.5	33.4	34.8	36.3	37.7	39.1	39.2	39.3
95°	66.6	69.4	72.1	74.8	76.5	77.0	77.5	78.1	78.7	78.7	78.7
97.5°	119.2	121.6	124.0	126.4	128.1	129.1	130.2	131.2	132.2	132.2	132.2
100°	158.2	160.5	162.7	164.9	166.3	167.1	168.0	168.8	169.6	169.6	169.6
102.5°	199.2	200.9	202.6	204.4	205.8	206.8	207.8	208.9	209.9	210.2	210.3
105°	265.1	265.9	266.7	267.5	268.2	268.8	269.3	269.9	270.4	270.9	271.5
107.5°	332.8	334.0	335.3	336.4	337.0	337.0	337.0	337.0	337.0	337.2	337.5
110°	376.5	378.1	379.8	381.4	382.3	382.3	382.3	382.3	382.3	382.3	382.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	423.7	425.3	427.0	428.6	429.3	429.1	428.9	428.7	428.4	427.8	427.1
115°	493.3	494.9	496.6	498.2	498.7	498.2	497.7	497.1	496.6	496.3	496.0
117.5°	563.1	565.3	567.5	569.7	570.1	568.5	567.0	565.4	563.9	563.3	562.6
120°	609.4	611.6	613.8	616.0	616.0	613.8	611.6	609.4	607.2	607.2	607.2
122.5°	652.1	654.7	657.3	660.0	660.5	659.0	657.5	655.9	654.4	653.7	653.1
125°	717.8	720.2	722.7	725.2	726.0	725.2	724.4	723.6	722.7	721.9	721.1
127.5°	782.6	785.7	788.9	792.0	793.0	792.1	791.1	790.1	789.1	788.1	787.1
130°	823.4	827.0	830.5	834.1	835.5	834.9	834.5	833.9	833.3	832.8	832.3
132.5°	868.0	870.8	873.8	876.6	878.2	878.2	878.3	878.5	878.6	877.3	876.2
135°	928.5	931.6	934.5	937.5	939.3	939.9	940.4	940.9	941.5	941.3	940.9
137.5°	991.6	994.1	996.5	999.0	1000.6	1001.4	1002.0	1002.7	1003.5	1003.2	1003.0
140°	1030.0	1032.5	1034.9	1037.4	1039.3	1040.6	1042.0	1043.4	1044.7	1044.7	1044.7
142.5°	1069.3	1071.8	1074.2	1076.7	1078.4	1079.3	1080.3	1081.2	1082.1	1082.3	1082.6
145°	1125.4	1127.2	1129.1	1131.1	1132.9	1134.5	1136.1	1137.8	1139.4	1139.6	1140.0
147.5°	1176.1	1178.4	1180.7	1183.0	1184.7	1185.8	1186.8	1188.0	1189.0	1189.7	1190.3
150°	1209.8	1211.5	1213.2	1214.8	1216.1	1217.2	1218.3	1219.4	1220.5	1221.3	1222.1
152.5°	1240.3	1241.9	1243.6	1245.3	1246.8	1248.1	1249.4	1250.7	1252.0	1253.0	1254.0
155°	1285.2	1286.1	1286.9	1287.7	1288.5	1289.3	1290.1	1290.9	1291.8	1293.1	1294.5
157.5°	1324.0	1324.6	1325.2	1325.7	1326.2	1326.7	1327.2	1327.7	1328.2	1330.0	1331.9
160°	1347.7	1348.2	1348.7	1349.3	1349.7	1350.0	1350.2	1350.5	1350.8	1352.4	1354.0
162.5°	1368.9	1369.0	1369.1	1369.2	1369.4	1369.6	1369.9	1370.2	1370.4	1372.3	1374.2
165°	1397.3	1396.9	1396.7	1396.4	1396.3	1396.3	1396.3	1396.3	1396.3	1398.2	1400.1
167.5°	1420.7	1419.9	1419.1	1418.3	1417.9	1417.8	1417.8	1417.7	1417.6	1419.6	1421.5
170°	1433.5	1432.7	1431.9	1431.1	1430.5	1430.3	1430.0	1429.7	1429.5	1431.3	1433.3
172.5°	1442.4	1441.6	1440.8	1440.0	1439.4	1439.2	1438.8	1438.6	1438.3	1440.2	1442.1
175°	1453.2	1452.4	1451.6	1450.7	1450.1	1449.5	1448.9	1448.5	1447.9	1449.8	1451.7
177.5°	1457.8	1457.2	1456.5	1455.9	1455.3	1454.8	1454.4	1454.0	1453.5	1454.8	1456.2
180°	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1123.2	1127.9	1127.9	1128.5	1133.9	1133.2	1132.9
5°	1195.3	1202.4	1203.2	1210.7	1215.7	1214.1	1209.5
7.5°	1263.3	1276.5	1286.5	1292.0	1298.6	1302.7	1300.9
10°	1317.3	1336.4	1348.1	1356.0	1365.5	1372.6	1370.1
12.5°	1366.2	1389.0	1405.0	1418.5	1419.8	1428.9	1422.7
15°	1442.5	1466.6	1469.2	1479.2	1487.1	1486.2	1486.6
17.5°	1467.8	1475.5	1477.1	1477.3	1477.4	1474.5	1468.2
20°	1458.7	1455.9	1448.8	1443.4	1433.8	1432.6	1424.2
22.5°	1416.2	1406.9	1389.2	1377.4	1362.5	1358.6	1356.3
25°	1332.3	1311.8	1283.5	1256.5	1249.0	1234.4	1238.6
27.5°	1217.2	1185.4	1154.7	1132.7	1112.8	1091.0	1097.2
30°	1136.2	1100.4	1057.1	1023.9	1002.7	981.8	978.0
32.5°	1039.7	987.2	938.9	909.6	877.1	864.0	849.5
35°	873.2	822.0	774.1	733.0	709.2	690.9	674.3
37.5°	723.4	664.5	625.9	592.5	575.4	564.8	567.5
40°	630.6	578.9	550.7	525.2	509.4	501.9	503.6
42.5°	555.3	516.7	493.3	476.0	464.8	460.6	459.7
45°	469.9	448.3	429.1	419.1	413.7	409.1	406.2
47.5°	411.6	394.0	383.2	377.2	372.5	367.9	367.8
50°	376.7	365.0	357.5	351.2	347.6	344.2	347.1
52.5°	350.0	339.3	331.9	326.3	324.9	321.9	321.8
55°	310.5	302.1	296.8	291.7	289.3	287.6	285.5
57.5°	274.5	266.6	261.6	258.4	253.7	252.0	251.4
60°	248.9	242.6	237.7	233.5	231.4	228.0	228.0
62.5°	225.3	219.0	214.3	211.2	207.7	206.4	206.8
65°	191.0	186.1	181.5	178.1	177.3	174.8	175.6
67.5°	159.6	156.2	151.4	149.6	148.0	146.7	145.7
70°	138.6	135.3	132.7	130.3	129.0	129.0	129.0
72.5°	120.9	116.9	115.4	112.3	113.0	111.7	110.4
75°	93.7	91.2	89.9	88.6	86.6	86.6	86.6
77.5°	68.9	68.2	66.7	65.3	64.8	64.4	64.6
80°	53.2	52.8	52.0	52.0	51.2	50.8	50.0
82.5°	40.9	39.9	39.4	39.1	38.9	38.8	38.6
85°	23.3	22.5	22.5	22.9	22.1	22.1	22.5
87.5°	17.3	17.1	16.8	16.9	17.2	17.0	17.0
90°	41.4	40.8	40.7	41.0	41.3	41.5	41.8
92.5°	39.4	39.5	39.6	39.6	39.7	39.8	39.8
95°	78.7	78.7	78.4	77.9	77.3	76.7	76.2
97.5°	132.2	132.2	132.2	132.2	132.1	132.1	132.0
100°	169.6	169.6	169.5	169.2	168.9	168.7	168.4
102.5°	210.6	210.8	210.8	210.5	210.3	209.9	209.7
105°	272.1	272.6	272.9	272.9	272.9	272.9	272.9
107.5°	337.7	337.9	337.4	336.1	334.8	333.6	332.3
110°	382.3	382.3	381.8	381.0	380.2	379.4	378.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	426.5	425.8	425.2	424.6	424.0	423.4	422.8
115°	495.7	495.5	494.9	494.1	493.3	492.4	491.6
117.5°	562.0	561.3	560.5	559.7	558.9	558.1	557.3
120°	607.2	607.2	606.7	605.9	605.1	604.3	603.5
122.5°	652.4	651.8	651.1	650.5	650.0	649.3	648.7
125°	720.2	719.4	718.9	718.6	718.4	718.1	717.8
127.5°	786.1	785.1	784.2	783.3	782.4	781.6	780.7
130°	831.7	831.1	830.3	829.2	828.2	827.0	826.0
132.5°	875.0	873.8	872.7	871.9	871.0	870.1	869.2
135°	940.7	940.4	939.9	939.1	938.2	937.4	936.6
137.5°	1002.8	1002.6	1001.9	1000.9	999.7	998.7	997.5
140°	1044.7	1044.7	1044.2	1043.1	1042.0	1040.9	1039.8
142.5°	1082.8	1083.0	1082.6	1081.5	1080.4	1079.3	1078.2
145°	1140.2	1140.4	1140.0	1139.0	1137.9	1136.8	1135.7
147.5°	1190.8	1191.5	1191.2	1190.2	1189.1	1188.1	1187.1
150°	1222.9	1223.8	1223.8	1222.9	1222.1	1221.3	1220.5
152.5°	1255.1	1256.1	1256.1	1255.1	1254.0	1253.0	1252.0
155°	1295.9	1297.2	1297.5	1296.7	1295.9	1295.1	1294.3
157.5°	1333.7	1335.6	1335.9	1334.6	1333.3	1332.0	1330.6
160°	1355.7	1357.3	1357.6	1356.5	1355.4	1354.4	1353.2
162.5°	1376.1	1377.9	1378.2	1376.9	1375.6	1374.3	1372.9
165°	1402.0	1403.9	1404.2	1402.8	1401.5	1400.1	1398.7
167.5°	1423.4	1425.3	1425.6	1424.2	1422.7	1421.3	1419.8
170°	1435.2	1437.1	1437.2	1435.6	1433.9	1432.3	1430.7
172.5°	1444.1	1445.9	1446.1	1444.5	1442.8	1441.2	1439.6
175°	1453.6	1455.6	1455.7	1454.0	1452.4	1450.7	1449.1
177.5°	1457.5	1458.8	1458.8	1457.5	1456.2	1454.8	1453.5
180°	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5	1456.5

(END OF REPORT)