

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: P331797-940

Luminaire Tested: **S122RDIW-S485D1240U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331797-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122RDIW-S485D1240U940-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1240 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6077.7 lumens  
Efficiency: N/A  
Efficacy: 113.0 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Indirect

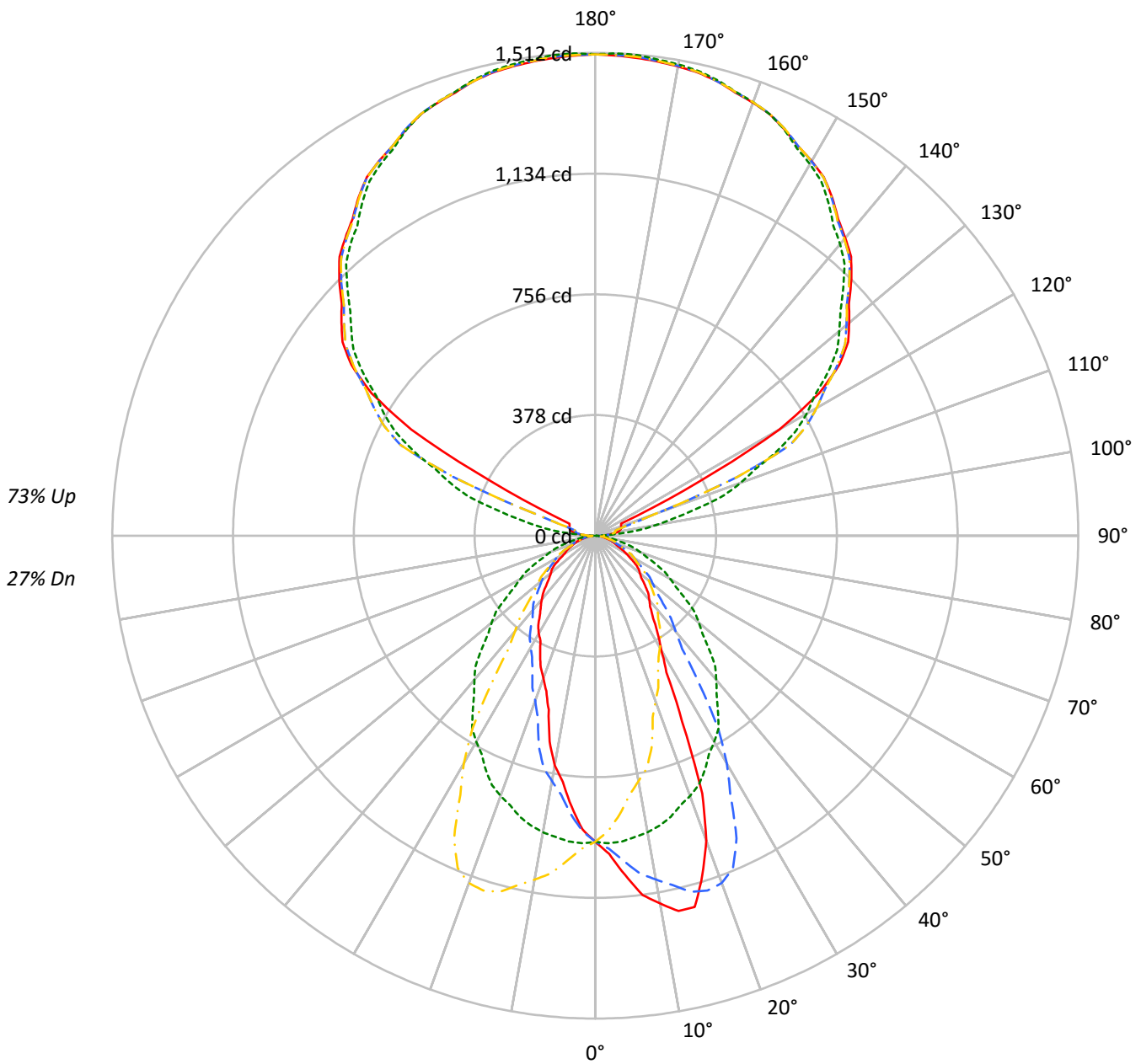
Input Watts (W): 53.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - · - 90°-270°    - · - 135°-315°



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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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27
1	93	89	85	82	83	80	77	74	62	60	59	46	45	44	32	31	31	24
2	85	78	73	68	76	70	65	61	55	52	49	41	39	38	28	27	26	21
3	78	69	62	57	69	62	56	52	49	45	42	37	34	32	26	24	23	18
4	71	61	54	48	64	55	49	44	44	39	36	33	30	28	23	22	20	16
5	66	55	47	42	59	49	43	38	39	35	31	30	27	24	21	19	18	14
6	61	49	42	36	54	45	38	33	36	31	27	27	24	22	19	17	16	13
7	56	44	37	32	50	40	34	29	32	28	24	25	22	19	18	16	14	12
8	52	40	33	28	46	37	30	26	29	25	22	23	20	17	16	15	13	10
9	48	37	30	25	43	33	27	23	27	23	19	21	18	16	15	13	12	10
10	45	34	27	22	40	31	25	21	25	21	17	19	16	14	14	12	11	9

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

	0°	90°	180°	270°
0°	15474	15474	15474	15474
5°	17280	15571	13807	15571
10°	19174	15462	11968	15462
15°	20117	15234	9429	15234
20°	17438	14899	8158	14899
25°	11437	14439	7285	14439
30°	7700	13882	6594	13882
35°	6236	13180	5947	13180
40°	5545	12416	5503	12416
45°	5019	11520	4912	11520
50°	4567	10630	4549	10630
55°	4293	9647	4236	9647
60°	3591	8741	3549	8741
65°	3030	7939	3435	7939
70°	2799	7091	3238	7091
75°	2620	6170	2994	6170
80°	2408	5077	2659	5077
85°	2205	4020	2353	4020



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.8	1.5
10°-20°	253.1	4.2
20°-30°	326.2	5.4
30°-40°	310.0	5.1
40°-50°	265.6	4.4
50°-60°	202.2	3.3
60°-70°	127.8	2.1
70°-80°	63.8	1.1
80°-90°	20.3	0.3
90°-100°	50.3	0.8
100°-110°	184.4	3.0
110°-120°	492.9	8.1
120°-130°	813.7	13.4
130°-140°	865.3	14.2
140°-150°	804.3	13.2
150°-160°	646.7	10.6
160°-170°	416.7	6.9
170°-180°	143.4	2.4
0°-30°	670.2	11.0
0°-40°	980.2	16.1
0°-60°	1448.0	23.8
0°-90°	1660.0	27.3
90°-120°	727.6	12.0
90°-150°	3210.9	52.8
90°-180°	4418.0	72.7
0°-180°	6077.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	958	958	958	958	958	
5°	1066	961	852	961	1066	105
15°	1204	911	564	911	1204	325
25°	642	810	409	810	642	305
35°	316	669	302	669	316	202
45°	220	504	215	504	220	170
55°	152	343	150	343	152	134
65°	79	208	90	208	79	81
75°	42	99	48	99	42	45
85°	12	22	13	22	12	14
90°	29	1	29	1	29	13
95°	47	71	47	71	47	44
105°	83	332	83	332	83	86
115°	89	627	89	627	89	224
125°	933	887	933	887	933	807
135°	1133	1097	1133	1097	1133	874
145°	1293	1273	1293	1273	1293	808
155°	1403	1402	1403	1402	1403	647
165°	1474	1477	1474	1477	1474	416
175°	1502	1511	1502	1511	1502	143
180°	1507	1507	1507	1507	1507	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	997.3	998.1	998.9	997.0	997.0	995.4	991.9	989.3	981.8	980.7	980.7
5°	1066.2	1065.6	1066.9	1062.6	1056.6	1055.3	1048.9	1040.6	1032.0	1022.3	1020.3
7.5°	1134.9	1133.9	1131.2	1130.4	1125.9	1115.8	1105.6	1094.8	1080.4	1066.3	1059.3
10°	1169.5	1180.4	1173.8	1162.2	1164.5	1148.9	1140.5	1126.2	1114.2	1093.2	1088.6
12.5°	1203.5	1207.9	1205.8	1199.2	1196.2	1185.4	1174.1	1161.6	1139.5	1120.7	1104.3
15°	1203.5	1209.8	1211.5	1209.4	1211.1	1210.4	1204.4	1194.1	1174.8	1154.1	1136.2
17.5°	1114.6	1119.0	1129.9	1137.3	1146.7	1166.4	1176.1	1179.9	1177.0	1165.2	1152.5
20°	1014.9	1007.6	1038.3	1053.9	1067.3	1100.5	1129.2	1140.1	1157.8	1157.5	1154.1
22.5°	873.8	875.5	904.6	923.1	962.1	995.3	1028.0	1069.3	1103.5	1126.1	1139.2
25°	642.0	654.7	683.7	708.9	752.2	814.2	870.5	935.8	997.3	1046.0	1092.3
27.5°	482.1	483.1	506.0	529.5	555.2	605.9	676.8	754.7	842.6	915.0	998.4
30°	413.0	410.9	420.6	434.9	456.9	496.1	549.5	626.1	713.6	822.9	920.1
32.5°	363.9	364.0	371.3	381.9	400.1	426.6	463.2	525.3	608.1	715.5	829.5
35°	316.4	316.0	321.4	329.0	336.6	353.7	378.6	411.3	468.2	568.5	685.0
37.5°	282.2	283.7	286.3	291.1	299.5	309.0	324.0	345.9	386.5	445.8	543.7
40°	263.1	263.8	267.4	271.4	276.4	283.7	296.0	313.7	343.3	390.6	462.2
42.5°	245.5	246.1	248.8	252.4	256.4	263.8	273.9	289.2	313.3	350.1	409.2
45°	219.8	219.8	222.1	223.7	228.1	234.8	243.1	255.7	272.4	299.7	339.0
47.5°	195.6	195.7	197.2	200.1	202.9	208.0	216.2	226.6	238.7	259.8	293.4
50°	181.8	182.2	183.2	185.5	187.2	191.8	198.1	207.1	219.8	236.1	264.0
52.5°	170.6	170.4	171.7	172.7	173.8	177.2	181.9	189.8	201.2	215.3	238.5
55°	152.5	151.1	153.2	154.8	155.9	157.2	159.8	164.9	174.5	186.5	203.8
57.5°	129.8	129.3	130.7	132.2	135.4	139.0	141.2	144.5	149.5	158.0	175.2
60°	111.2	111.2	114.2	115.2	118.9	123.5	128.2	130.9	135.9	141.5	154.2
62.5°	94.7	95.0	96.4	97.4	99.4	105.1	111.7	117.5	122.3	127.7	136.1
65°	79.3	79.9	79.9	80.6	81.9	83.3	85.9	90.6	98.9	106.6	112.9
67.5°	67.2	67.5	67.7	68.3	68.7	70.1	71.2	73.3	75.2	82.5	90.3
70°	59.3	60.3	59.9	60.6	60.9	61.6	63.0	63.9	67.0	68.6	73.3
72.5°	51.8	52.5	52.5	52.9	53.8	53.9	54.9	55.9	57.9	59.3	61.8
75°	42.0	41.6	42.0	42.6	43.0	43.2	43.2	44.6	45.7	47.0	48.6
77.5°	32.4	32.7	32.6	32.7	32.7	33.3	33.3	33.9	34.9	35.6	36.4
80°	25.9	26.3	25.9	26.3	26.7	26.9	26.7	26.9	28.0	28.6	28.6
82.5°	20.2	20.2	20.4	20.4	20.5	20.6	21.0	21.1	21.8	21.7	21.9
85°	11.9	11.7	11.7	11.7	11.9	12.3	11.9	11.9	12.3	12.3	12.3
87.5°	10.2	10.3	10.3	10.2	10.0	9.9	9.6	9.6	9.1	9.2	8.5
90°	29.4	29.0	28.4	28.0	27.6	26.7	25.4	24.3	23.0	21.8	19.9
92.5°	29.4	29.2	28.9	28.5	28.3	27.8	27.2	26.6	25.9	25.3	24.3
95°	46.9	47.2	47.3	47.6	47.9	47.3	46.2	44.9	43.8	42.5	40.8
97.5°	62.6	62.3	62.1	61.7	61.4	60.8	59.8	58.9	57.9	57.0	53.1
100°	73.1	72.6	72.1	71.6	71.2	69.9	67.9	66.1	64.1	62.2	58.1
102.5°	78.3	77.7	77.0	76.2	75.6	74.0	71.5	68.9	66.4	63.9	98.4
105°	82.9	81.9	81.0	80.0	79.0	77.2	74.5	71.9	69.2	66.5	132.7
107.5°	85.3	84.4	83.4	82.4	81.4	82.3	85.0	87.7	90.4	93.2	172.5
110°	86.1	85.2	84.3	83.3	82.3	93.9	118.2	142.4	166.7	190.9	260.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	87.0	86.2	85.5	84.7	83.9	127.8	216.2	304.6	393.1	481.4	498.8
115°	89.4	106.9	124.4	141.8	159.3	224.1	336.4	448.5	560.8	673.1	667.0
117.5°	365.2	422.6	479.9	537.3	594.6	636.9	664.0	691.2	718.3	745.5	741.3
120°	665.4	698.1	730.8	763.6	796.3	811.2	808.2	805.4	802.5	799.5	795.2
122.5°	830.3	836.7	843.0	849.4	855.7	858.0	856.3	854.5	852.7	851.0	846.3
125°	932.6	931.9	931.2	930.4	929.7	928.5	926.8	925.1	923.5	921.8	917.1
127.5°	997.2	997.0	996.9	996.8	996.7	995.3	992.8	990.3	987.9	985.4	982.0
130°	1037.3	1037.6	1037.9	1038.0	1038.3	1037.1	1034.5	1031.8	1029.1	1026.4	1023.8
132.5°	1076.7	1076.8	1077.1	1077.4	1077.5	1076.6	1074.2	1072.0	1069.7	1067.5	1064.8
135°	1133.4	1133.8	1134.3	1134.8	1135.2	1134.3	1131.8	1129.4	1127.0	1124.6	1122.4
137.5°	1185.0	1185.9	1186.7	1187.5	1188.3	1187.6	1185.2	1182.8	1180.4	1178.0	1175.5
140°	1217.4	1218.5	1219.8	1220.9	1222.2	1221.7	1219.5	1217.4	1215.1	1213.0	1210.3
142.5°	1248.8	1249.9	1251.2	1252.4	1253.6	1253.2	1251.2	1249.2	1247.2	1245.3	1242.2
145°	1292.6	1293.8	1295.0	1296.2	1297.4	1297.2	1295.5	1293.8	1292.1	1290.4	1286.3
147.5°	1331.2	1332.2	1333.2	1334.3	1335.2	1335.2	1333.9	1332.7	1331.4	1330.1	1326.1
150°	1354.8	1355.9	1357.2	1358.4	1359.6	1359.5	1358.1	1356.6	1355.1	1353.7	1349.8
152.5°	1374.8	1376.4	1378.0	1379.7	1381.3	1381.3	1379.8	1378.4	1377.0	1375.5	1371.8
155°	1402.8	1404.7	1406.7	1408.5	1410.5	1410.8	1409.3	1407.8	1406.4	1405.0	1402.0
157.5°	1428.3	1430.2	1432.1	1434.0	1435.8	1436.0	1434.3	1432.7	1431.0	1429.4	1427.4
160°	1443.1	1444.8	1446.5	1448.2	1449.9	1450.0	1448.6	1447.2	1445.6	1444.2	1442.8
162.5°	1455.4	1457.4	1459.5	1461.6	1463.7	1463.9	1462.2	1460.6	1458.9	1457.3	1456.1
165°	1473.6	1475.3	1477.0	1478.7	1480.4	1480.4	1478.7	1477.0	1475.3	1473.6	1472.9
167.5°	1485.2	1487.4	1489.6	1491.7	1494.0	1494.2	1492.5	1490.8	1489.1	1487.4	1486.7
170°	1492.2	1494.4	1496.6	1498.8	1500.9	1501.2	1499.5	1497.8	1496.1	1494.4	1493.9
172.5°	1497.4	1499.6	1501.8	1504.0	1506.2	1506.4	1504.7	1503.0	1501.3	1499.6	1499.1
175°	1502.0	1504.4	1506.9	1509.3	1511.7	1512.1	1510.4	1508.7	1507.0	1505.3	1504.9
177.5°	1504.9	1506.6	1508.3	1510.1	1511.8	1512.1	1510.6	1509.3	1508.0	1506.6	1506.4
180°	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	981.2	979.2	977.3	972.5	970.1	964.7	963.9	963.7	956.8	950.1	948.2
5°	1014.9	1009.7	1001.7	992.3	982.7	972.7	966.0	960.7	947.4	934.7	927.4
7.5°	1048.9	1037.5	1023.7	1006.0	991.3	974.8	962.6	951.5	932.6	914.5	902.3
10°	1074.2	1055.6	1037.3	1013.0	994.0	975.4	958.1	943.1	921.8	897.8	880.7
12.5°	1089.9	1069.4	1044.2	1020.5	995.9	972.1	949.0	929.7	904.7	879.9	859.7
15°	1111.3	1089.2	1058.6	1024.7	993.0	962.1	935.4	911.4	878.8	849.2	824.5
17.5°	1128.6	1098.3	1065.4	1026.2	989.5	950.2	915.9	885.2	848.9	813.2	784.2
20°	1134.2	1104.2	1066.2	1027.0	983.6	937.4	900.4	867.1	828.1	789.2	755.9
22.5°	1130.7	1107.4	1065.1	1018.2	973.8	925.4	883.7	845.0	801.8	762.1	723.4
25°	1107.2	1099.2	1059.3	1008.0	957.3	901.1	852.8	810.5	761.3	718.6	676.6
27.5°	1052.4	1069.7	1044.9	990.2	934.0	873.6	819.4	771.2	720.1	672.1	630.3
30°	999.7	1039.3	1028.6	978.0	915.1	855.8	794.9	744.6	690.0	640.7	599.4
32.5°	927.5	992.9	1003.4	961.0	895.9	830.7	766.9	716.8	659.9	607.9	567.7
35°	812.5	910.4	955.4	928.4	863.1	792.9	726.9	668.7	611.4	560.1	520.1
37.5°	675.4	808.7	883.7	885.6	825.6	752.6	680.8	622.9	564.3	514.0	470.7
40°	586.4	730.9	828.5	850.2	799.5	720.6	648.0	589.1	531.8	482.5	432.9
42.5°	506.5	650.5	770.4	808.1	767.9	689.5	616.6	555.0	499.3	452.6	402.0
45°	409.6	535.5	667.6	734.9	712.7	640.0	563.1	504.5	452.2	411.9	363.3
47.5°	345.5	434.3	562.1	653.2	652.7	586.5	510.9	454.7	406.2	368.5	329.0
50°	309.0	386.3	494.5	597.7	606.4	550.8	478.8	423.2	378.0	338.3	306.7
52.5°	276.3	339.9	437.2	536.2	560.8	512.6	442.9	391.6	347.6	311.1	284.0
55°	233.4	282.7	356.7	449.2	486.5	452.5	390.6	342.7	307.0	276.4	253.1
57.5°	197.4	234.4	293.7	368.3	411.7	390.3	339.3	300.3	269.8	242.1	223.7
60°	174.9	205.1	255.4	317.7	365.6	350.6	307.0	270.7	244.8	220.8	203.5
62.5°	153.6	179.6	222.7	273.2	317.2	310.9	275.4	244.9	222.1	200.3	185.7
65°	123.5	142.5	176.1	215.8	251.1	254.0	228.5	207.8	187.4	170.1	157.2
67.5°	98.4	110.8	134.5	167.8	194.3	203.8	188.1	172.3	156.1	142.8	131.5
70°	82.9	92.9	110.2	137.2	161.5	171.5	162.5	150.2	136.2	125.2	115.6
72.5°	67.2	77.0	89.7	109.5	130.4	141.2	138.0	129.1	117.8	108.7	99.6
75°	50.6	53.6	62.2	75.6	91.9	101.2	103.5	98.9	89.9	82.9	77.6
77.5°	37.5	39.2	43.3	50.4	61.0	69.3	72.8	72.2	66.0	62.0	57.0
80°	30.0	30.9	33.0	35.9	44.0	52.3	54.6	54.6	50.3	48.6	43.6
82.5°	22.7	23.5	24.7	26.4	30.1	37.4	39.9	40.5	37.7	35.6	31.7
85°	13.0	12.7	13.3	14.4	15.0	16.9	21.0	21.7	21.0	18.3	17.3
87.5°	8.1	8.0	7.6	6.9	6.6	6.3	7.1	7.9	7.4	7.1	7.1
90°	17.9	16.0	14.1	11.8	9.1	6.4	3.7	1.1	3.7	6.4	9.1
92.5°	23.4	22.4	21.4	21.0	21.3	21.6	21.8	22.0	21.8	21.6	21.3
95°	39.1	37.5	35.8	38.9	46.9	54.9	62.9	70.9	62.9	54.9	46.9
97.5°	49.0	45.1	41.2	50.6	73.1	95.6	118.2	140.7	118.2	95.6	73.1
100°	53.9	49.8	45.7	60.3	93.5	126.6	159.9	193.1	159.9	126.6	93.5
102.5°	132.9	167.3	201.8	222.6	229.6	236.6	243.6	250.7	243.6	236.6	229.6
105°	198.9	265.1	331.3	360.7	353.4	346.2	338.9	331.6	338.9	346.2	353.4
107.5°	251.9	331.3	410.6	447.4	441.5	435.6	429.7	423.9	429.7	435.6	441.5
110°	331.0	401.1	471.1	503.5	498.5	493.4	488.3	483.2	488.3	493.4	498.5





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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	516.1	533.4	550.7	557.1	552.6	548.0	543.6	539.0	543.6	548.0	552.6
115°	660.9	654.9	648.8	643.7	639.5	635.4	631.3	627.2	631.3	635.4	639.5
117.5°	737.1	732.9	728.8	724.4	719.8	715.2	710.6	706.0	710.6	715.2	719.8
120°	790.9	786.5	782.1	778.1	774.5	770.8	767.2	763.6	767.2	770.8	774.5
122.5°	841.5	836.8	832.1	827.8	823.9	820.1	816.3	812.4	816.3	820.1	823.9
125°	912.5	907.9	903.3	899.4	896.3	893.1	889.9	886.8	889.9	893.1	896.3
127.5°	978.6	975.1	971.7	968.2	964.7	961.2	957.7	954.2	957.7	961.2	964.7
130°	1021.1	1018.4	1015.7	1012.5	1008.6	1004.8	1000.9	997.0	1000.9	1004.8	1008.6
132.5°	1062.1	1059.4	1056.8	1053.8	1050.5	1047.2	1043.9	1040.6	1043.9	1047.2	1050.5
135°	1120.3	1118.0	1115.9	1112.9	1108.9	1105.1	1101.2	1097.3	1101.2	1105.1	1108.9
137.5°	1173.1	1170.6	1168.1	1165.6	1162.9	1160.1	1157.4	1154.7	1157.4	1160.1	1162.9
140°	1207.6	1205.0	1202.3	1200.0	1198.0	1196.1	1194.2	1192.2	1194.2	1196.1	1198.0
142.5°	1239.1	1236.1	1233.1	1230.7	1228.9	1227.2	1225.4	1223.7	1225.4	1227.2	1228.9
145°	1282.2	1278.1	1273.9	1272.0	1272.2	1272.5	1272.7	1272.9	1272.7	1272.5	1272.2
147.5°	1322.0	1317.9	1313.8	1312.2	1313.1	1314.1	1315.0	1315.9	1315.0	1314.1	1313.1
150°	1345.9	1342.0	1338.2	1337.0	1338.7	1340.5	1342.2	1343.9	1342.2	1340.5	1338.7
152.5°	1368.2	1364.4	1360.8	1359.9	1361.7	1363.6	1365.6	1367.4	1365.6	1363.6	1361.7
155°	1399.1	1396.2	1393.3	1392.9	1395.1	1397.3	1399.5	1401.7	1399.5	1397.3	1395.1
157.5°	1425.3	1423.3	1421.2	1421.1	1423.0	1424.8	1426.6	1428.5	1426.6	1424.8	1423.0
160°	1441.3	1439.8	1438.4	1438.4	1439.8	1441.3	1442.8	1444.2	1442.8	1441.3	1439.8
162.5°	1454.7	1453.5	1452.2	1452.3	1453.8	1455.3	1456.7	1458.2	1456.7	1455.3	1453.8
165°	1472.2	1471.5	1470.8	1471.1	1472.6	1474.0	1475.5	1476.9	1475.5	1474.0	1472.6
167.5°	1486.0	1485.4	1484.7	1485.1	1486.6	1488.0	1489.4	1490.9	1489.4	1488.0	1486.6
170°	1493.4	1492.9	1492.5	1492.9	1494.4	1495.8	1497.3	1498.8	1497.3	1495.8	1494.4
172.5°	1498.6	1498.2	1497.7	1498.2	1499.6	1501.1	1502.5	1504.0	1502.5	1501.1	1499.6
175°	1504.3	1503.9	1503.3	1504.0	1505.7	1507.3	1509.0	1510.7	1509.0	1507.3	1505.7
177.5°	1506.2	1506.0	1505.8	1506.4	1507.8	1509.1	1510.5	1511.8	1510.5	1509.1	1507.8
180°	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	944.8	942.9	939.4	934.2	930.9	925.3	921.6	923.7	924.3	923.7	923.2
5°	919.4	912.4	902.8	893.4	884.8	875.5	870.1	867.8	863.1	860.5	859.2
7.5°	888.7	876.6	863.0	846.8	832.9	818.5	811.1	807.4	797.9	792.7	788.2
10°	865.8	846.8	833.1	811.8	798.9	779.9	766.9	767.2	754.2	746.9	741.5
12.5°	840.5	819.7	796.9	777.8	759.7	744.5	728.8	722.5	708.6	701.6	687.2
15°	798.5	774.2	750.3	724.2	706.0	682.3	659.7	632.0	609.8	590.4	585.1
17.5°	752.7	722.6	698.6	668.1	636.7	596.9	570.7	554.6	541.2	531.0	523.4
20°	721.3	690.6	665.0	619.0	576.8	549.7	530.5	518.2	504.2	493.2	487.1
22.5°	688.2	656.3	621.3	570.0	537.1	515.4	498.2	484.0	474.6	466.0	460.6
25°	641.3	606.4	548.8	513.4	486.9	464.2	452.2	443.5	433.5	421.9	416.6
27.5°	591.8	536.2	494.8	468.6	443.2	428.5	417.7	404.7	395.8	390.6	385.0
30°	554.7	499.2	466.9	438.2	420.3	403.9	391.3	384.0	375.3	366.3	362.7
32.5°	513.4	469.0	438.1	414.3	396.0	382.1	372.1	360.3	354.0	348.5	340.8
35°	462.2	428.6	400.3	380.9	363.6	352.3	340.6	333.7	322.4	317.7	314.7
37.5°	418.7	389.6	368.5	348.1	334.4	321.9	314.8	303.6	298.7	292.2	285.9
40°	394.2	365.6	345.4	328.7	313.3	304.0	295.1	286.1	278.7	275.7	268.0
42.5°	369.3	345.9	325.6	307.4	297.1	287.2	275.9	269.3	261.6	256.8	252.1
45°	334.7	314.1	296.7	281.7	270.4	260.1	252.7	241.7	237.5	227.7	223.7
47.5°	304.3	285.1	268.6	254.3	243.3	236.6	225.9	217.2	210.4	204.4	199.3
50°	282.7	266.7	250.7	238.1	228.1	218.5	207.5	203.1	192.4	189.5	186.5
52.5°	263.0	247.8	233.2	220.8	210.8	201.4	191.7	186.1	178.9	175.8	173.7
55°	235.4	220.8	206.8	195.8	185.8	176.1	170.1	163.2	159.8	157.5	154.8
57.5°	207.7	194.6	183.8	172.7	162.6	155.0	148.0	143.8	140.4	137.3	134.1
60°	190.1	177.5	167.8	157.5	147.2	140.9	135.5	130.5	126.5	121.9	120.6
62.5°	171.5	160.4	151.6	141.5	132.5	126.7	121.7	117.0	112.2	105.4	103.5
65°	145.9	137.2	127.9	119.6	111.6	105.9	98.5	93.3	91.2	90.6	90.2
67.5°	122.7	114.5	106.5	98.0	90.7	85.4	81.7	80.9	79.5	79.1	78.2
70°	107.2	99.6	91.6	83.6	76.6	75.6	74.3	72.9	71.2	70.6	69.9
72.5°	93.4	85.4	77.5	71.1	68.0	66.8	65.5	64.1	63.0	62.3	62.0
75°	71.6	64.3	58.9	56.6	54.9	53.9	52.0	50.9	50.3	49.3	49.0
77.5°	51.5	47.4	44.9	43.5	41.7	40.7	39.6	38.5	37.8	37.6	37.1
80°	39.3	37.3	35.7	33.6	33.0	31.7	31.3	30.3	30.7	29.6	29.6
82.5°	30.5	28.0	26.6	25.7	25.0	23.9	23.5	23.1	23.2	22.5	22.5
85°	15.7	15.0	14.4	13.6	13.6	12.7	13.0	12.7	12.7	11.9	11.7
87.5°	7.4	7.6	7.5	7.8	8.2	8.4	8.6	8.6	8.8	9.1	9.0
90°	11.8	14.1	16.0	17.9	19.9	21.8	23.0	24.3	25.4	26.7	27.6
92.5°	21.0	21.4	22.4	23.4	24.3	25.3	25.9	26.6	27.2	27.8	28.3
95°	38.9	35.8	37.5	39.1	40.8	42.5	43.8	44.9	46.2	47.3	47.9
97.5°	50.6	41.2	45.1	49.0	53.1	57.0	57.9	58.9	59.8	60.8	61.4
100°	60.3	45.7	49.8	53.9	58.1	62.2	64.1	66.1	67.9	69.9	71.2
102.5°	222.6	201.8	167.3	132.9	98.4	63.9	66.4	68.9	71.5	74.0	75.6
105°	360.7	331.3	265.1	198.9	132.7	66.5	69.2	71.9	74.5	77.2	79.0
107.5°	447.4	410.6	331.3	251.9	172.5	93.2	90.4	87.7	85.0	82.3	81.4
110°	503.5	471.1	401.1	331.0	260.9	190.9	166.7	142.4	118.2	93.9	82.3



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	557.1	550.7	533.4	516.1	498.8	481.4	393.1	304.6	216.2	127.8	83.9
115°	643.7	648.8	654.9	660.9	667.0	673.1	560.8	448.5	336.4	224.1	159.3
117.5°	724.4	728.8	732.9	737.1	741.3	745.5	718.3	691.2	664.0	636.9	594.6
120°	778.1	782.1	786.5	790.9	795.2	799.5	802.5	805.4	808.2	811.2	796.3
122.5°	827.8	832.1	836.8	841.5	846.3	851.0	852.7	854.5	856.3	858.0	855.7
125°	899.4	903.3	907.9	912.5	917.1	921.8	923.5	925.1	926.8	928.5	929.7
127.5°	968.2	971.7	975.1	978.6	982.0	985.4	987.9	990.3	992.8	995.3	996.7
130°	1012.5	1015.7	1018.4	1021.1	1023.8	1026.4	1029.1	1031.8	1034.5	1037.1	1038.3
132.5°	1053.8	1056.8	1059.4	1062.1	1064.8	1067.5	1069.7	1072.0	1074.2	1076.6	1077.5
135°	1112.9	1115.9	1118.0	1120.3	1122.4	1124.6	1127.0	1129.4	1131.8	1134.3	1135.2
137.5°	1165.6	1168.1	1170.6	1173.1	1175.5	1178.0	1180.4	1182.8	1185.2	1187.6	1188.3
140°	1200.0	1202.3	1205.0	1207.6	1210.3	1213.0	1215.1	1217.4	1219.5	1221.7	1222.2
142.5°	1230.7	1233.1	1236.1	1239.1	1242.2	1245.3	1247.2	1249.2	1251.2	1253.2	1253.6
145°	1272.0	1273.9	1278.1	1282.2	1286.3	1290.4	1292.1	1293.8	1295.5	1297.2	1297.4
147.5°	1312.2	1313.8	1317.9	1322.0	1326.1	1330.1	1331.4	1332.7	1333.9	1335.2	1335.2
150°	1337.0	1338.2	1342.0	1345.9	1349.8	1353.7	1355.1	1356.6	1358.1	1359.5	1359.6
152.5°	1359.9	1360.8	1364.4	1368.2	1371.8	1375.5	1377.0	1378.4	1379.8	1381.3	1381.3
155°	1392.9	1393.3	1396.2	1399.1	1402.0	1405.0	1406.4	1407.8	1409.3	1410.8	1410.5
157.5°	1421.1	1421.2	1423.3	1425.3	1427.4	1429.4	1431.0	1432.7	1434.3	1436.0	1435.8
160°	1438.4	1438.4	1439.8	1441.3	1442.8	1444.2	1445.6	1447.2	1448.6	1450.0	1449.9
162.5°	1452.3	1452.2	1453.5	1454.7	1456.1	1457.3	1458.9	1460.6	1462.2	1463.9	1463.7
165°	1471.1	1470.8	1471.5	1472.2	1472.9	1473.6	1475.3	1477.0	1478.7	1480.4	1480.4
167.5°	1485.1	1484.7	1485.4	1486.0	1486.7	1487.4	1489.1	1490.8	1492.5	1494.2	1494.0
170°	1492.9	1492.5	1492.9	1493.4	1493.9	1494.4	1496.1	1497.8	1499.5	1501.2	1500.9
172.5°	1498.2	1497.7	1498.2	1498.6	1499.1	1499.6	1501.3	1503.0	1504.7	1506.4	1506.2
175°	1504.0	1503.3	1503.9	1504.3	1504.9	1505.3	1507.0	1508.7	1510.4	1512.1	1511.7
177.5°	1506.4	1505.8	1506.0	1506.2	1506.4	1506.6	1508.0	1509.3	1510.6	1512.1	1511.8
180°	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4



TEST NUMBER: P331797-940

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	920.2	920.8	920.0	920.5	920.0	920.8	920.2	923.2	923.7	924.3	923.7
5°	857.5	853.5	852.8	851.9	852.8	853.5	857.5	859.2	860.5	863.1	867.8
7.5°	782.5	781.9	780.2	777.8	780.2	781.9	782.5	788.2	792.7	797.9	807.4
10°	734.2	732.6	732.3	730.0	732.3	732.6	734.2	741.5	746.9	754.2	767.2
12.5°	677.8	667.1	665.9	660.1	665.9	667.1	677.8	687.2	701.6	708.6	722.5
15°	577.1	575.1	568.5	564.1	568.5	575.1	577.1	585.1	590.4	609.8	632.0
17.5°	519.5	513.0	511.0	510.1	511.0	513.0	519.5	523.4	531.0	541.2	554.6
20°	482.5	476.5	475.5	474.8	475.5	476.5	482.5	487.1	493.2	504.2	518.2
22.5°	456.9	450.7	448.1	446.1	448.1	450.7	456.9	460.6	466.0	474.6	484.0
25°	413.2	410.9	409.6	408.9	409.6	410.9	413.2	416.6	421.9	433.5	443.5
27.5°	379.1	374.0	372.9	371.2	372.9	374.0	379.1	385.0	390.6	395.8	404.7
30°	359.6	357.9	355.6	353.7	355.6	357.9	359.6	362.7	366.3	375.3	384.0
32.5°	336.7	335.4	333.2	332.3	333.2	335.4	336.7	340.8	348.5	354.0	360.3
35°	311.4	306.7	304.7	301.7	304.7	306.7	311.4	314.7	317.7	322.4	333.7
37.5°	284.5	282.0	279.3	280.3	279.3	282.0	284.5	285.9	292.2	298.7	303.6
40°	263.8	262.1	261.4	261.1	261.4	262.1	263.8	268.0	275.7	278.7	286.1
42.5°	247.2	242.6	240.9	240.9	240.9	242.6	247.2	252.1	256.8	261.6	269.3
45°	222.1	217.8	214.8	215.1	214.8	217.8	222.1	223.7	227.7	237.5	241.7
47.5°	196.4	196.3	194.4	195.0	194.4	196.3	196.4	199.3	204.4	210.4	217.2
50°	184.1	182.2	180.8	181.1	180.8	182.2	184.1	186.5	189.5	192.4	203.1
52.5°	172.5	170.7	169.6	171.0	169.6	170.7	172.5	173.7	175.8	178.9	186.1
55°	153.2	151.1	150.9	150.5	150.9	151.1	153.2	154.8	157.5	159.8	163.2
57.5°	131.7	130.4	128.3	127.5	128.3	130.4	131.7	134.1	137.3	140.4	143.8
60°	116.2	113.5	110.2	109.9	110.2	113.5	116.2	120.6	121.9	126.5	130.5
62.5°	102.1	101.6	100.9	100.9	100.9	101.6	102.1	103.5	105.4	112.2	117.0
65°	89.6	89.3	89.6	89.9	89.6	89.3	89.6	90.2	90.6	91.2	93.3
67.5°	78.0	77.5	76.9	77.1	76.9	77.5	78.0	78.2	79.1	79.5	80.9
70°	69.3	68.9	68.6	68.6	68.6	68.9	69.3	69.9	70.6	71.2	72.9
72.5°	60.7	60.6	60.4	60.1	60.4	60.6	60.7	62.0	62.3	63.0	64.1
75°	48.6	48.0	48.0	48.0	48.0	48.0	48.6	49.0	49.3	50.3	50.9
77.5°	37.0	36.7	36.4	36.1	36.4	36.7	37.0	37.1	37.6	37.8	38.5
80°	29.3	29.0	28.6	28.6	28.6	29.0	29.3	29.6	29.6	30.7	30.3
82.5°	22.4	22.0	21.9	21.7	21.9	22.0	22.4	22.5	22.5	23.2	23.1
85°	11.9	12.3	11.9	12.7	11.9	12.3	11.9	11.7	11.9	12.7	12.7
87.5°	9.1	8.9	9.3	9.1	9.3	8.9	9.1	9.0	9.1	8.8	8.6
90°	28.0	28.4	29.0	29.4	29.0	28.4	28.0	27.6	26.7	25.4	24.3
92.5°	28.5	28.9	29.2	29.4	29.2	28.9	28.5	28.3	27.8	27.2	26.6
95°	47.6	47.3	47.2	46.9	47.2	47.3	47.6	47.9	47.3	46.2	44.9
97.5°	61.7	62.1	62.3	62.6	62.3	62.1	61.7	61.4	60.8	59.8	58.9
100°	71.6	72.1	72.6	73.1	72.6	72.1	71.6	71.2	69.9	67.9	66.1
102.5°	76.2	77.0	77.7	78.3	77.7	77.0	76.2	75.6	74.0	71.5	68.9
105°	80.0	81.0	81.9	82.9	81.9	81.0	80.0	79.0	77.2	74.5	71.9
107.5°	82.4	83.4	84.4	85.3	84.4	83.4	82.4	81.4	82.3	85.0	87.7
110°	83.3	84.3	85.2	86.1	85.2	84.3	83.3	82.3	93.9	118.2	142.4



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	84.7	85.5	86.2	87.0	86.2	85.5	84.7	83.9	127.8	216.2	304.6
115°	141.8	124.4	106.9	89.4	106.9	124.4	141.8	159.3	224.1	336.4	448.5
117.5°	537.3	479.9	422.6	365.2	422.6	479.9	537.3	594.6	636.9	664.0	691.2
120°	763.6	730.8	698.1	665.4	698.1	730.8	763.6	796.3	811.2	808.2	805.4
122.5°	849.4	843.0	836.7	830.3	836.7	843.0	849.4	855.7	858.0	856.3	854.5
125°	930.4	931.2	931.9	932.6	931.9	931.2	930.4	929.7	928.5	926.8	925.1
127.5°	996.8	996.9	997.0	997.2	997.0	996.9	996.8	996.7	995.3	992.8	990.3
130°	1038.0	1037.9	1037.6	1037.3	1037.6	1037.9	1038.0	1038.3	1037.1	1034.5	1031.8
132.5°	1077.4	1077.1	1076.8	1076.7	1076.8	1077.1	1077.4	1077.5	1076.6	1074.2	1072.0
135°	1134.8	1134.3	1133.8	1133.4	1133.8	1134.3	1134.8	1135.2	1134.3	1131.8	1129.4
137.5°	1187.5	1186.7	1185.9	1185.0	1185.9	1186.7	1187.5	1188.3	1187.6	1185.2	1182.8
140°	1220.9	1219.8	1218.5	1217.4	1218.5	1219.8	1220.9	1222.2	1221.7	1219.5	1217.4
142.5°	1252.4	1251.2	1249.9	1248.8	1249.9	1251.2	1252.4	1253.6	1253.2	1251.2	1249.2
145°	1296.2	1295.0	1293.8	1292.6	1293.8	1295.0	1296.2	1297.4	1297.2	1295.5	1293.8
147.5°	1334.3	1333.2	1332.2	1331.2	1332.2	1333.2	1334.3	1335.2	1335.2	1333.9	1332.7
150°	1358.4	1357.2	1355.9	1354.8	1355.9	1357.2	1358.4	1359.6	1359.5	1358.1	1356.6
152.5°	1379.7	1378.0	1376.4	1374.8	1376.4	1378.0	1379.7	1381.3	1381.3	1379.8	1378.4
155°	1408.5	1406.7	1404.7	1402.8	1404.7	1406.7	1408.5	1410.5	1410.8	1409.3	1407.8
157.5°	1434.0	1432.1	1430.2	1428.3	1430.2	1432.1	1434.0	1435.8	1436.0	1434.3	1432.7
160°	1448.2	1446.5	1444.8	1443.1	1444.8	1446.5	1448.2	1449.9	1450.0	1448.6	1447.2
162.5°	1461.6	1459.5	1457.4	1455.4	1457.4	1459.5	1461.6	1463.7	1463.9	1462.2	1460.6
165°	1478.7	1477.0	1475.3	1473.6	1475.3	1477.0	1478.7	1480.4	1480.4	1478.7	1477.0
167.5°	1491.7	1489.6	1487.4	1485.2	1487.4	1489.6	1491.7	1494.0	1494.2	1492.5	1490.8
170°	1498.8	1496.6	1494.4	1492.2	1494.4	1496.6	1498.8	1500.9	1501.2	1499.5	1497.8
172.5°	1504.0	1501.8	1499.6	1497.4	1499.6	1501.8	1504.0	1506.2	1506.4	1504.7	1503.0
175°	1509.3	1506.9	1504.4	1502.0	1504.4	1506.9	1509.3	1511.7	1512.1	1510.4	1508.7
177.5°	1510.1	1508.3	1506.6	1504.9	1506.6	1508.3	1510.1	1511.8	1512.1	1510.6	1509.3
180°	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4



TEST NUMBER: P331797-940

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	921.6	925.3	930.9	934.2	939.4	942.9	944.8	948.2	950.1	956.8	963.7
5°	870.1	875.5	884.8	893.4	902.8	912.4	919.4	927.4	934.7	947.4	960.7
7.5°	811.1	818.5	832.9	846.8	863.0	876.6	888.7	902.3	914.5	932.6	951.5
10°	766.9	779.9	798.9	811.8	833.1	846.8	865.8	880.7	897.8	921.8	943.1
12.5°	728.8	744.5	759.7	777.8	796.9	819.7	840.5	859.7	879.9	904.7	929.7
15°	659.7	682.3	706.0	724.2	750.3	774.2	798.5	824.5	849.2	878.8	911.4
17.5°	570.7	596.9	636.7	668.1	698.6	722.6	752.7	784.2	813.2	848.9	885.2
20°	530.5	549.7	576.8	619.0	665.0	690.6	721.3	755.9	789.2	828.1	867.1
22.5°	498.2	515.4	537.1	570.0	621.3	656.3	688.2	723.4	762.1	801.8	845.0
25°	452.2	464.2	486.9	513.4	548.8	606.4	641.3	676.6	718.6	761.3	810.5
27.5°	417.7	428.5	443.2	468.6	494.8	536.2	591.8	630.3	672.1	720.1	771.2
30°	391.3	403.9	420.3	438.2	466.9	499.2	554.7	599.4	640.7	690.0	744.6
32.5°	372.1	382.1	396.0	414.3	438.1	469.0	513.4	567.7	607.9	659.9	716.8
35°	340.6	352.3	363.6	380.9	400.3	428.6	462.2	520.1	560.1	611.4	668.7
37.5°	314.8	321.9	334.4	348.1	368.5	389.6	418.7	470.7	514.0	564.3	622.9
40°	295.1	304.0	313.3	328.7	345.4	365.6	394.2	432.9	482.5	531.8	589.1
42.5°	275.9	287.2	297.1	307.4	325.6	345.9	369.3	402.0	452.6	499.3	555.0
45°	252.7	260.1	270.4	281.7	296.7	314.1	334.7	363.3	411.9	452.2	504.5
47.5°	225.9	236.6	243.3	254.3	268.6	285.1	304.3	329.0	368.5	406.2	454.7
50°	207.5	218.5	228.1	238.1	250.7	266.7	282.7	306.7	338.3	378.0	423.2
52.5°	191.7	201.4	210.8	220.8	233.2	247.8	263.0	284.0	311.1	347.6	391.6
55°	170.1	176.1	185.8	195.8	206.8	220.8	235.4	253.1	276.4	307.0	342.7
57.5°	148.0	155.0	162.6	172.7	183.8	194.6	207.7	223.7	242.1	269.8	300.3
60°	135.5	140.9	147.2	157.5	167.8	177.5	190.1	203.5	220.8	244.8	270.7
62.5°	121.7	126.7	132.5	141.5	151.6	160.4	171.5	185.7	200.3	222.1	244.9
65°	98.5	105.9	111.6	119.6	127.9	137.2	145.9	157.2	170.1	187.4	207.8
67.5°	81.7	85.4	90.7	98.0	106.5	114.5	122.7	131.5	142.8	156.1	172.3
70°	74.3	75.6	76.6	83.6	91.6	99.6	107.2	115.6	125.2	136.2	150.2
72.5°	65.5	66.8	68.0	71.1	77.5	85.4	93.4	99.6	108.7	117.8	129.1
75°	52.0	53.9	54.9	56.6	58.9	64.3	71.6	77.6	82.9	89.9	98.9
77.5°	39.6	40.7	41.7	43.5	44.9	47.4	51.5	57.0	62.0	66.0	72.2
80°	31.3	31.7	33.0	33.6	35.7	37.3	39.3	43.6	48.6	50.3	54.6
82.5°	23.5	23.9	25.0	25.7	26.6	28.0	30.5	31.7	35.6	37.7	40.5
85°	13.0	12.7	13.6	13.6	14.4	15.0	15.7	17.3	18.3	21.0	21.7
87.5°	8.6	8.4	8.2	7.8	7.5	7.6	7.4	7.1	7.1	7.4	7.9
90°	23.0	21.8	19.9	17.9	16.0	14.1	11.8	9.1	6.4	3.7	1.1
92.5°	25.9	25.3	24.3	23.4	22.4	21.4	21.0	21.3	21.6	21.8	22.0
95°	43.8	42.5	40.8	39.1	37.5	35.8	38.9	46.9	54.9	62.9	70.9
97.5°	57.9	57.0	53.1	49.0	45.1	41.2	50.6	73.1	95.6	118.2	140.7
100°	64.1	62.2	58.1	53.9	49.8	45.7	60.3	93.5	126.6	159.9	193.1
102.5°	66.4	63.9	98.4	132.9	167.3	201.8	222.6	229.6	236.6	243.6	250.7
105°	69.2	66.5	132.7	198.9	265.1	331.3	360.7	353.4	346.2	338.9	331.6
107.5°	90.4	93.2	172.5	251.9	331.3	410.6	447.4	441.5	435.6	429.7	423.9
110°	166.7	190.9	260.9	331.0	401.1	471.1	503.5	498.5	493.4	488.3	483.2



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	393.1	481.4	498.8	516.1	533.4	550.7	557.1	552.6	548.0	543.6	539.0
115°	560.8	673.1	667.0	660.9	654.9	648.8	643.7	639.5	635.4	631.3	627.2
117.5°	718.3	745.5	741.3	737.1	732.9	728.8	724.4	719.8	715.2	710.6	706.0
120°	802.5	799.5	795.2	790.9	786.5	782.1	778.1	774.5	770.8	767.2	763.6
122.5°	852.7	851.0	846.3	841.5	836.8	832.1	827.8	823.9	820.1	816.3	812.4
125°	923.5	921.8	917.1	912.5	907.9	903.3	899.4	896.3	893.1	889.9	886.8
127.5°	987.9	985.4	982.0	978.6	975.1	971.7	968.2	964.7	961.2	957.7	954.2
130°	1029.1	1026.4	1023.8	1021.1	1018.4	1015.7	1012.5	1008.6	1004.8	1000.9	997.0
132.5°	1069.7	1067.5	1064.8	1062.1	1059.4	1056.8	1053.8	1050.5	1047.2	1043.9	1040.6
135°	1127.0	1124.6	1122.4	1120.3	1118.0	1115.9	1112.9	1108.9	1105.1	1101.2	1097.3
137.5°	1180.4	1178.0	1175.5	1173.1	1170.6	1168.1	1165.6	1162.9	1160.1	1157.4	1154.7
140°	1215.1	1213.0	1210.3	1207.6	1205.0	1202.3	1200.0	1198.0	1196.1	1194.2	1192.2
142.5°	1247.2	1245.3	1242.2	1239.1	1236.1	1233.1	1230.7	1228.9	1227.2	1225.4	1223.7
145°	1292.1	1290.4	1286.3	1282.2	1278.1	1273.9	1272.0	1272.2	1272.5	1272.7	1272.9
147.5°	1331.4	1330.1	1326.1	1322.0	1317.9	1313.8	1312.2	1313.1	1314.1	1315.0	1315.9
150°	1355.1	1353.7	1349.8	1345.9	1342.0	1338.2	1337.0	1338.7	1340.5	1342.2	1343.9
152.5°	1377.0	1375.5	1371.8	1368.2	1364.4	1360.8	1359.9	1361.7	1363.6	1365.6	1367.4
155°	1406.4	1405.0	1402.0	1399.1	1396.2	1393.3	1392.9	1395.1	1397.3	1399.5	1401.7
157.5°	1431.0	1429.4	1427.4	1425.3	1423.3	1421.2	1421.1	1423.0	1424.8	1426.6	1428.5
160°	1445.6	1444.2	1442.8	1441.3	1439.8	1438.4	1438.4	1439.8	1441.3	1442.8	1444.2
162.5°	1458.9	1457.3	1456.1	1454.7	1453.5	1452.2	1452.3	1453.8	1455.3	1456.7	1458.2
165°	1475.3	1473.6	1472.9	1472.2	1471.5	1470.8	1471.1	1472.6	1474.0	1475.5	1476.9
167.5°	1489.1	1487.4	1486.7	1486.0	1485.4	1484.7	1485.1	1486.6	1488.0	1489.4	1490.9
170°	1496.1	1494.4	1493.9	1493.4	1492.9	1492.5	1492.9	1494.4	1495.8	1497.3	1498.8
172.5°	1501.3	1499.6	1499.1	1498.6	1498.2	1497.7	1498.2	1499.6	1501.1	1502.5	1504.0
175°	1507.0	1505.3	1504.9	1504.3	1503.9	1503.3	1504.0	1505.7	1507.3	1509.0	1510.7
177.5°	1508.0	1506.6	1506.4	1506.2	1506.0	1505.8	1506.4	1507.8	1509.1	1510.5	1511.8
180°	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	963.9	964.7	970.1	972.5	977.3	979.2	981.2	980.7	980.7	981.8	989.3
5°	966.0	972.7	982.7	992.3	1001.7	1009.7	1014.9	1020.3	1022.3	1032.0	1040.6
7.5°	962.6	974.8	991.3	1006.0	1023.7	1037.5	1048.9	1059.3	1066.3	1080.4	1094.8
10°	958.1	975.4	994.0	1013.0	1037.3	1055.6	1074.2	1088.6	1093.2	1114.2	1126.2
12.5°	949.0	972.1	995.9	1020.5	1044.2	1069.4	1089.9	1104.3	1120.7	1139.5	1161.6
15°	935.4	962.1	993.0	1024.7	1058.6	1089.2	1111.3	1136.2	1154.1	1174.8	1194.1
17.5°	915.9	950.2	989.5	1026.2	1065.4	1098.3	1128.6	1152.5	1165.2	1177.0	1179.9
20°	900.4	937.4	983.6	1027.0	1066.2	1104.2	1134.2	1154.1	1157.5	1157.8	1140.1
22.5°	883.7	925.4	973.8	1018.2	1065.1	1107.4	1130.7	1139.2	1126.1	1103.5	1069.3
25°	852.8	901.1	957.3	1008.0	1059.3	1099.2	1107.2	1092.3	1046.0	997.3	935.8
27.5°	819.4	873.6	934.0	990.2	1044.9	1069.7	1052.4	998.4	915.0	842.6	754.7
30°	794.9	855.8	915.1	978.0	1028.6	1039.3	999.7	920.1	822.9	713.6	626.1
32.5°	766.9	830.7	895.9	961.0	1003.4	992.9	927.5	829.5	715.5	608.1	525.3
35°	726.9	792.9	863.1	928.4	955.4	910.4	812.5	685.0	568.5	468.2	411.3
37.5°	680.8	752.6	825.6	885.6	883.7	808.7	675.4	543.7	445.8	386.5	345.9
40°	648.0	720.6	799.5	850.2	828.5	730.9	586.4	462.2	390.6	343.3	313.7
42.5°	616.6	689.5	767.9	808.1	770.4	650.5	506.5	409.2	350.1	313.3	289.2
45°	563.1	640.0	712.7	734.9	667.6	535.5	409.6	339.0	299.7	272.4	255.7
47.5°	510.9	586.5	652.7	653.2	562.1	434.3	345.5	293.4	259.8	238.7	226.6
50°	478.8	550.8	606.4	597.7	494.5	386.3	309.0	264.0	236.1	219.8	207.1
52.5°	442.9	512.6	560.8	536.2	437.2	339.9	276.3	238.5	215.3	201.2	189.8
55°	390.6	452.5	486.5	449.2	356.7	282.7	233.4	203.8	186.5	174.5	164.9
57.5°	339.3	390.3	411.7	368.3	293.7	234.4	197.4	175.2	158.0	149.5	144.5
60°	307.0	350.6	365.6	317.7	255.4	205.1	174.9	154.2	141.5	135.9	130.9
62.5°	275.4	310.9	317.2	273.2	222.7	179.6	153.6	136.1	127.7	122.3	117.5
65°	228.5	254.0	251.1	215.8	176.1	142.5	123.5	112.9	106.6	98.9	90.6
67.5°	188.1	203.8	194.3	167.8	134.5	110.8	98.4	90.3	82.5	75.2	73.3
70°	162.5	171.5	161.5	137.2	110.2	92.9	82.9	73.3	68.6	67.0	63.9
72.5°	138.0	141.2	130.4	109.5	89.7	77.0	67.2	61.8	59.3	57.9	55.9
75°	103.5	101.2	91.9	75.6	62.2	53.6	50.6	48.6	47.0	45.7	44.6
77.5°	72.8	69.3	61.0	50.4	43.3	39.2	37.5	36.4	35.6	34.9	33.9
80°	54.6	52.3	44.0	35.9	33.0	30.9	30.0	28.6	28.6	28.0	26.9
82.5°	39.9	37.4	30.1	26.4	24.7	23.5	22.7	21.9	21.7	21.8	21.1
85°	21.0	16.9	15.0	14.4	13.3	12.7	13.0	12.3	12.3	12.3	11.9
87.5°	7.1	6.3	6.6	6.9	7.6	8.0	8.1	8.5	9.2	9.1	9.6
90°	3.7	6.4	9.1	11.8	14.1	16.0	17.9	19.9	21.8	23.0	24.3
92.5°	21.8	21.6	21.3	21.0	21.4	22.4	23.4	24.3	25.3	25.9	26.6
95°	62.9	54.9	46.9	38.9	35.8	37.5	39.1	40.8	42.5	43.8	44.9
97.5°	118.2	95.6	73.1	50.6	41.2	45.1	49.0	53.1	57.0	57.9	58.9
100°	159.9	126.6	93.5	60.3	45.7	49.8	53.9	58.1	62.2	64.1	66.1
102.5°	243.6	236.6	229.6	222.6	201.8	167.3	132.9	98.4	63.9	66.4	68.9
105°	338.9	346.2	353.4	360.7	331.3	265.1	198.9	132.7	66.5	69.2	71.9
107.5°	429.7	435.6	441.5	447.4	410.6	331.3	251.9	172.5	93.2	90.4	87.7
110°	488.3	493.4	498.5	503.5	471.1	401.1	331.0	260.9	190.9	166.7	142.4





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	543.6	548.0	552.6	557.1	550.7	533.4	516.1	498.8	481.4	393.1	304.6
115°	631.3	635.4	639.5	643.7	648.8	654.9	660.9	667.0	673.1	560.8	448.5
117.5°	710.6	715.2	719.8	724.4	728.8	732.9	737.1	741.3	745.5	718.3	691.2
120°	767.2	770.8	774.5	778.1	782.1	786.5	790.9	795.2	799.5	802.5	805.4
122.5°	816.3	820.1	823.9	827.8	832.1	836.8	841.5	846.3	851.0	852.7	854.5
125°	889.9	893.1	896.3	899.4	903.3	907.9	912.5	917.1	921.8	923.5	925.1
127.5°	957.7	961.2	964.7	968.2	971.7	975.1	978.6	982.0	985.4	987.9	990.3
130°	1000.9	1004.8	1008.6	1012.5	1015.7	1018.4	1021.1	1023.8	1026.4	1029.1	1031.8
132.5°	1043.9	1047.2	1050.5	1053.8	1056.8	1059.4	1062.1	1064.8	1067.5	1069.7	1072.0
135°	1101.2	1105.1	1108.9	1112.9	1115.9	1118.0	1120.3	1122.4	1124.6	1127.0	1129.4
137.5°	1157.4	1160.1	1162.9	1165.6	1168.1	1170.6	1173.1	1175.5	1178.0	1180.4	1182.8
140°	1194.2	1196.1	1198.0	1200.0	1202.3	1205.0	1207.6	1210.3	1213.0	1215.1	1217.4
142.5°	1225.4	1227.2	1228.9	1230.7	1233.1	1236.1	1239.1	1242.2	1245.3	1247.2	1249.2
145°	1272.7	1272.5	1272.2	1272.0	1273.9	1278.1	1282.2	1286.3	1290.4	1292.1	1293.8
147.5°	1315.0	1314.1	1313.1	1312.2	1313.8	1317.9	1322.0	1326.1	1330.1	1331.4	1332.7
150°	1342.2	1340.5	1338.7	1337.0	1338.2	1342.0	1345.9	1349.8	1353.7	1355.1	1356.6
152.5°	1365.6	1363.6	1361.7	1359.9	1360.8	1364.4	1368.2	1371.8	1375.5	1377.0	1378.4
155°	1399.5	1397.3	1395.1	1392.9	1393.3	1396.2	1399.1	1402.0	1405.0	1406.4	1407.8
157.5°	1426.6	1424.8	1423.0	1421.1	1421.2	1423.3	1425.3	1427.4	1429.4	1431.0	1432.7
160°	1442.8	1441.3	1439.8	1438.4	1438.4	1439.8	1441.3	1442.8	1444.2	1445.6	1447.2
162.5°	1456.7	1455.3	1453.8	1452.3	1452.2	1453.5	1454.7	1456.1	1457.3	1458.9	1460.6
165°	1475.5	1474.0	1472.6	1471.1	1470.8	1471.5	1472.2	1472.9	1473.6	1475.3	1477.0
167.5°	1489.4	1488.0	1486.6	1485.1	1484.7	1485.4	1486.0	1486.7	1487.4	1489.1	1490.8
170°	1497.3	1495.8	1494.4	1492.9	1492.5	1492.9	1493.4	1493.9	1494.4	1496.1	1497.8
172.5°	1502.5	1501.1	1499.6	1498.2	1497.7	1498.2	1498.6	1499.1	1499.6	1501.3	1503.0
175°	1509.0	1507.3	1505.7	1504.0	1503.3	1503.9	1504.3	1504.9	1505.3	1507.0	1508.7
177.5°	1510.5	1509.1	1507.8	1506.4	1505.8	1506.0	1506.2	1506.4	1506.6	1508.0	1509.3
180°	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	991.9	995.4	997.0	997.0	998.9	998.1	997.3
5°	1048.9	1055.3	1056.6	1062.6	1066.9	1065.6	1066.2
7.5°	1105.6	1115.8	1125.9	1130.4	1131.2	1133.9	1134.9
10°	1140.5	1148.9	1164.5	1162.2	1173.8	1180.4	1169.5
12.5°	1174.1	1185.4	1196.2	1199.2	1205.8	1207.9	1203.5
15°	1204.4	1210.4	1211.1	1209.4	1211.5	1209.8	1203.5
17.5°	1176.1	1166.4	1146.7	1137.3	1129.9	1119.0	1114.6
20°	1129.2	1100.5	1067.3	1053.9	1038.3	1007.6	1014.9
22.5°	1028.0	995.3	962.1	923.1	904.6	875.5	873.8
25°	870.5	814.2	752.2	708.9	683.7	654.7	642.0
27.5°	676.8	605.9	555.2	529.5	506.0	483.1	482.1
30°	549.5	496.1	456.9	434.9	420.6	410.9	413.0
32.5°	463.2	426.6	400.1	381.9	371.3	364.0	363.9
35°	378.6	353.7	336.6	329.0	321.4	316.0	316.4
37.5°	324.0	309.0	299.5	291.1	286.3	283.7	282.2
40°	296.0	283.7	276.4	271.4	267.4	263.8	263.1
42.5°	273.9	263.8	256.4	252.4	248.8	246.1	245.5
45°	243.1	234.8	228.1	223.7	222.1	219.8	219.8
47.5°	216.2	208.0	202.9	200.1	197.2	195.7	195.6
50°	198.1	191.8	187.2	185.5	183.2	182.2	181.8
52.5°	181.9	177.2	173.8	172.7	171.7	170.4	170.6
55°	159.8	157.2	155.9	154.8	153.2	151.1	152.5
57.5°	141.2	139.0	135.4	132.2	130.7	129.3	129.8
60°	128.2	123.5	118.9	115.2	114.2	111.2	111.2
62.5°	111.7	105.1	99.4	97.4	96.4	95.0	94.7
65°	85.9	83.3	81.9	80.6	79.9	79.9	79.3
67.5°	71.2	70.1	68.7	68.3	67.7	67.5	67.2
70°	63.0	61.6	60.9	60.6	59.9	60.3	59.3
72.5°	54.9	53.9	53.8	52.9	52.5	52.5	51.8
75°	43.2	43.2	43.0	42.6	42.0	41.6	42.0
77.5°	33.3	33.3	32.7	32.7	32.6	32.7	32.4
80°	26.7	26.9	26.7	26.3	25.9	26.3	25.9
82.5°	21.0	20.6	20.5	20.4	20.4	20.2	20.2
85°	11.9	12.3	11.9	11.7	11.7	11.7	11.9
87.5°	9.6	9.9	10.0	10.2	10.3	10.3	10.2
90°	25.4	26.7	27.6	28.0	28.4	29.0	29.4
92.5°	27.2	27.8	28.3	28.5	28.9	29.2	29.4
95°	46.2	47.3	47.9	47.6	47.3	47.2	46.9
97.5°	59.8	60.8	61.4	61.7	62.1	62.3	62.6
100°	67.9	69.9	71.2	71.6	72.1	72.6	73.1
102.5°	71.5	74.0	75.6	76.2	77.0	77.7	78.3
105°	74.5	77.2	79.0	80.0	81.0	81.9	82.9
107.5°	85.0	82.3	81.4	82.4	83.4	84.4	85.3
110°	118.2	93.9	82.3	83.3	84.3	85.2	86.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	216.2	127.8	83.9	84.7	85.5	86.2	87.0
115°	336.4	224.1	159.3	141.8	124.4	106.9	89.4
117.5°	664.0	636.9	594.6	537.3	479.9	422.6	365.2
120°	808.2	811.2	796.3	763.6	730.8	698.1	665.4
122.5°	856.3	858.0	855.7	849.4	843.0	836.7	830.3
125°	926.8	928.5	929.7	930.4	931.2	931.9	932.6
127.5°	992.8	995.3	996.7	996.8	996.9	997.0	997.2
130°	1034.5	1037.1	1038.3	1038.0	1037.9	1037.6	1037.3
132.5°	1074.2	1076.6	1077.5	1077.4	1077.1	1076.8	1076.7
135°	1131.8	1134.3	1135.2	1134.8	1134.3	1133.8	1133.4
137.5°	1185.2	1187.6	1188.3	1187.5	1186.7	1185.9	1185.0
140°	1219.5	1221.7	1222.2	1220.9	1219.8	1218.5	1217.4
142.5°	1251.2	1253.2	1253.6	1252.4	1251.2	1249.9	1248.8
145°	1295.5	1297.2	1297.4	1296.2	1295.0	1293.8	1292.6
147.5°	1333.9	1335.2	1335.2	1334.3	1333.2	1332.2	1331.2
150°	1358.1	1359.5	1359.6	1358.4	1357.2	1355.9	1354.8
152.5°	1379.8	1381.3	1381.3	1379.7	1378.0	1376.4	1374.8
155°	1409.3	1410.8	1410.5	1408.5	1406.7	1404.7	1402.8
157.5°	1434.3	1436.0	1435.8	1434.0	1432.1	1430.2	1428.3
160°	1448.6	1450.0	1449.9	1448.2	1446.5	1444.8	1443.1
162.5°	1462.2	1463.9	1463.7	1461.6	1459.5	1457.4	1455.4
165°	1478.7	1480.4	1480.4	1478.7	1477.0	1475.3	1473.6
167.5°	1492.5	1494.2	1494.0	1491.7	1489.6	1487.4	1485.2
170°	1499.5	1501.2	1500.9	1498.8	1496.6	1494.4	1492.2
172.5°	1504.7	1506.4	1506.2	1504.0	1501.8	1499.6	1497.4
175°	1510.4	1512.1	1511.7	1509.3	1506.9	1504.4	1502.0
177.5°	1510.6	1512.1	1511.8	1510.1	1508.3	1506.6	1504.9
180°	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4	1507.4

(END OF REPORT)