

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: P331693-935

Luminaire Tested: **S122RDIP-S675D925U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331693-935  
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: S122RDIP-S675D925U935-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 925 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5373.4 lumens  
Efficiency: N/A  
Efficacy: 103.3 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: General Diffuse

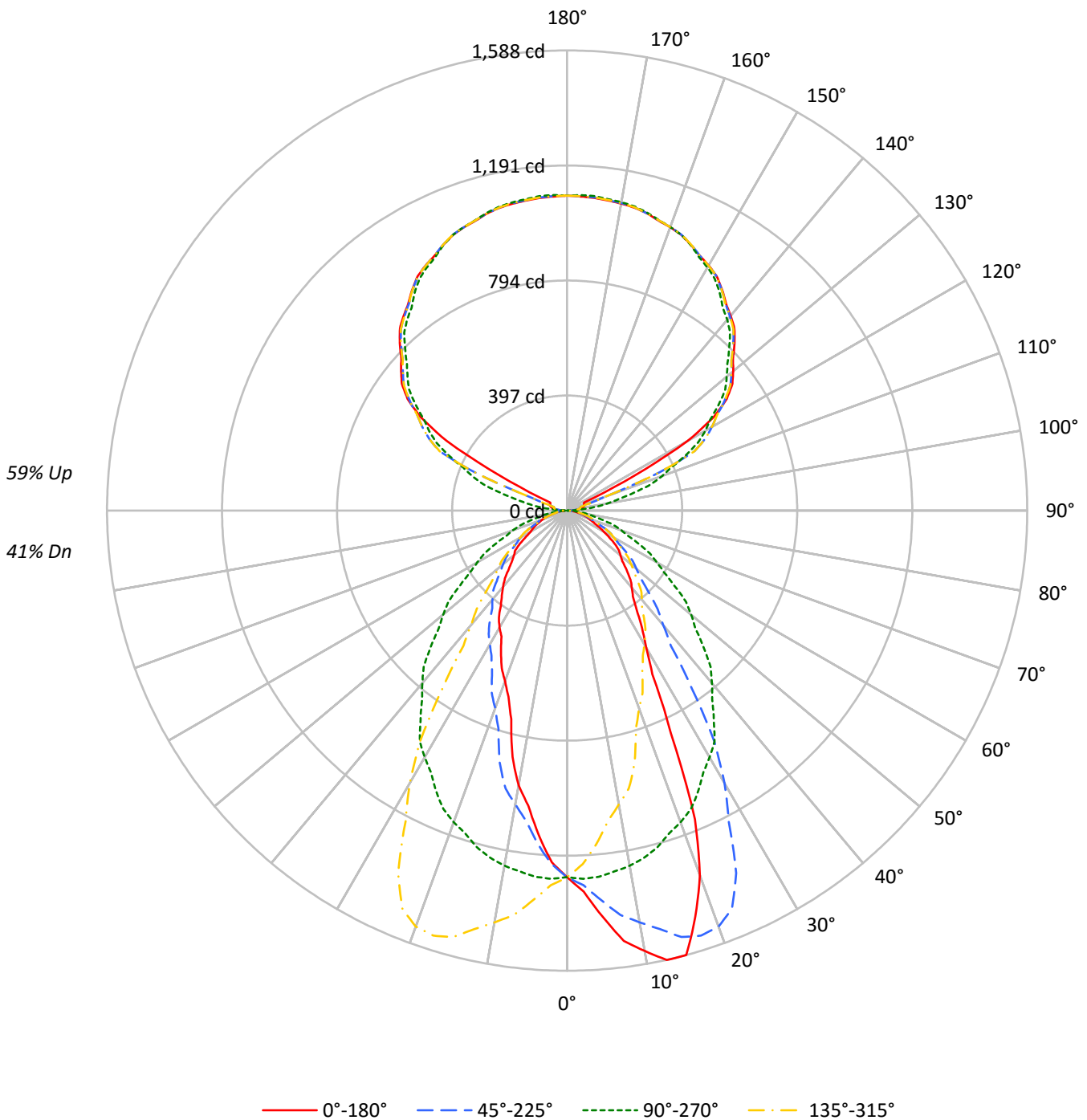
Input Watts (W): 52  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41
1	96	92	89	85	88	84	81	79	69	67	65	56	54	53	43	42	41	36
2	88	81	76	71	80	74	70	65	62	58	55	50	47	45	39	37	36	31
3	81	72	65	60	74	66	60	56	55	51	47	45	42	39	35	33	31	27
4	74	64	57	51	68	59	53	48	49	45	41	40	37	34	32	29	28	24
5	69	58	50	44	62	53	46	41	44	39	36	36	33	30	29	26	25	21
6	63	52	44	39	58	48	41	36	40	35	31	33	29	27	27	24	22	19
7	59	47	40	34	54	44	37	32	37	32	28	30	27	24	24	22	20	17
8	55	43	36	31	50	40	33	29	34	29	25	28	24	22	23	20	18	16
9	51	39	32	27	47	36	30	26	31	26	23	26	22	20	21	18	17	14
10	48	36	29	25	44	34	27	23	29	24	21	24	20	18	20	17	15	13

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

	0°	90°	180°	270°
0°	20423	20423	20423	20423
5°	22809	20551	18220	20551
10°	25306	20407	15795	20407
15°	26551	20107	12445	20107
20°	23017	19663	10768	19663
25°	15096	19057	9615	19057
30°	10161	18321	8701	18321
35°	8229	17394	7849	17394
40°	7318	16387	7263	16387
45°	6624	15203	6485	15203
50°	6028	14031	6006	14031
55°	5666	12732	5590	12732
60°	4740	11538	4682	11538
65°	3996	10476	4531	10476
70°	3696	9356	4277	9356
75°	3456	8141	3949	8141
80°	3189	6704	3515	6704
85°	2927	5298	3094	5298



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.9	2.2
10°-20°	334.1	6.2
20°-30°	430.5	8.0
30°-40°	409.1	7.6
40°-50°	350.5	6.5
50°-60°	266.9	5.0
60°-70°	168.7	3.1
70°-80°	84.3	1.6
80°-90°	24.6	0.5
90°-100°	36.2	0.7
100°-110°	132.9	2.5
110°-120°	355.3	6.6
120°-130°	586.6	10.9
130°-140°	623.8	11.6
140°-150°	579.8	10.8
150°-160°	466.2	8.7
160°-170°	300.4	5.6
170°-180°	103.4	1.9
0°-30°	884.5	16.5
0°-40°	1293.7	24.1
0°-60°	1911.1	35.6
0°-90°	2188.7	40.7
90°-120°	524.5	9.8
90°-150°	2314.7	43.1
90°-180°	3185.0	59.3
0°-180°	5373.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1265	1265	1265	1265	1265	
5°	1407	1268	1124	1268	1407	139
15°	1588	1203	744	1203	1588	428
25°	847	1070	540	1070	847	402
35°	418	882	398	882	418	267
45°	290	666	284	666	290	224
55°	201	452	199	452	201	177
65°	105	274	119	274	105	106
75°	55	130	63	130	55	59
85°	16	29	17	29	16	18
90°	21	1	21	1	21	10
95°	34	51	34	51	34	32
105°	60	239	60	239	60	62
115°	64	452	64	452	64	162
125°	672	639	672	639	672	582
135°	817	791	817	791	817	630
145°	932	918	932	918	932	583
155°	1011	1010	1011	1010	1011	467
165°	1062	1065	1062	1065	1062	300
175°	1083	1089	1083	1089	1083	103
180°	1087	1087	1087	1087	1087	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1316.2	1317.2	1318.4	1315.9	1315.9	1313.7	1309.2	1305.7	1295.8	1294.4	1294.4
5°	1407.3	1406.4	1408.2	1402.5	1394.6	1392.8	1384.4	1373.5	1362.0	1349.3	1346.6
7.5°	1497.8	1496.5	1493.0	1492.0	1485.9	1472.7	1459.2	1444.9	1425.9	1407.4	1398.1
10°	1543.5	1558.1	1549.2	1533.9	1537.0	1516.3	1505.3	1486.4	1470.6	1442.9	1436.8
12.5°	1588.5	1594.2	1591.5	1582.7	1578.7	1564.4	1549.6	1533.2	1504.0	1479.1	1457.5
15°	1588.4	1596.7	1598.9	1596.3	1598.4	1597.6	1589.7	1576.1	1550.6	1523.3	1499.6
17.5°	1471.1	1476.9	1491.3	1501.1	1513.4	1539.4	1552.2	1557.2	1553.4	1537.9	1521.2
20°	1339.6	1329.9	1370.4	1391.0	1408.6	1452.5	1490.3	1504.9	1528.1	1527.7	1523.3
22.5°	1153.2	1155.5	1193.9	1218.4	1269.7	1313.6	1356.8	1411.4	1456.4	1486.2	1503.7
25°	847.4	864.1	902.3	935.7	992.8	1074.6	1148.8	1235.0	1316.3	1380.4	1441.6
27.5°	636.4	637.7	668.0	698.8	732.7	799.7	893.2	996.1	1112.0	1207.6	1317.7
30°	545.0	542.3	555.1	574.0	603.0	654.9	725.1	826.3	941.8	1086.0	1214.4
32.5°	480.3	480.4	490.1	504.0	528.1	563.1	611.2	693.4	802.6	944.3	1094.8
35°	417.5	417.1	424.1	434.2	444.4	466.7	499.7	542.8	617.9	750.2	904.0
37.5°	372.6	374.4	377.9	384.2	395.4	407.9	427.7	456.6	510.1	588.3	717.6
40°	347.2	348.1	352.9	358.2	364.8	374.4	390.7	414.0	453.1	515.6	610.0
42.5°	324.0	324.9	328.3	333.2	338.4	348.1	361.5	381.7	413.4	462.1	540.0
45°	290.1	290.1	293.2	295.3	301.1	309.9	320.8	337.5	359.6	395.5	447.4
47.5°	258.2	258.3	260.4	264.2	267.8	274.6	285.4	299.0	315.0	342.9	387.2
50°	240.0	240.4	241.7	244.8	247.0	253.1	261.5	273.4	290.1	311.6	348.5
52.5°	225.2	224.9	226.6	227.9	229.5	233.8	240.0	250.6	265.4	284.2	314.8
55°	201.3	199.5	202.2	204.4	205.7	207.4	210.9	217.6	230.3	246.2	269.0
57.5°	171.4	170.7	172.5	174.6	178.7	183.5	186.4	190.6	197.3	208.6	231.3
60°	146.8	146.8	150.8	152.1	156.9	163.1	169.2	172.7	179.3	186.8	203.5
62.5°	125.0	125.4	127.2	128.5	131.2	138.8	147.4	155.2	161.4	168.5	179.6
65°	104.6	105.5	105.5	106.3	108.1	109.9	113.4	119.5	130.5	140.6	149.0
67.5°	88.8	89.0	89.3	90.1	90.7	92.6	93.9	96.7	99.3	108.8	119.2
70°	78.3	79.6	79.1	80.0	80.4	81.3	83.1	84.4	88.3	90.6	96.7
72.5°	68.4	69.3	69.2	69.8	70.9	71.1	72.5	73.9	76.4	78.3	81.5
75°	55.4	54.9	55.4	56.2	56.7	57.2	57.2	58.9	60.2	62.0	64.1
77.5°	42.7	43.1	43.0	43.1	43.2	44.0	43.9	44.8	46.1	46.9	48.0
80°	34.3	34.7	34.3	34.7	35.1	35.6	35.1	35.6	36.9	37.8	37.8
82.5°	26.5	26.6	26.9	26.9	27.0	27.1	27.8	27.9	28.8	28.7	29.0
85°	15.8	15.4	15.4	15.4	15.8	16.3	15.8	15.8	16.3	16.3	16.3
87.5°	9.9	10.2	10.1	10.0	9.9	9.8	9.6	9.8	9.3	9.5	8.9
90°	21.3	20.9	20.5	20.1	19.8	19.2	18.3	17.5	16.6	15.8	14.3
92.5°	21.3	21.0	20.8	20.6	20.4	20.1	19.6	19.1	18.7	18.3	17.6
95°	33.8	34.0	34.2	34.4	34.5	34.2	33.3	32.4	31.5	30.7	29.4
97.5°	45.1	44.9	44.7	44.5	44.3	43.8	43.1	42.4	41.8	41.1	38.2
100°	52.7	52.3	52.0	51.7	51.3	50.5	49.0	47.6	46.2	44.9	41.8
102.5°	56.5	56.0	55.4	55.0	54.5	53.4	51.6	49.7	47.9	46.1	40.9
105°	59.8	59.1	58.4	57.7	57.0	55.6	53.7	51.8	49.9	48.0	45.7
107.5°	61.5	60.8	60.1	59.4	58.7	59.3	61.3	63.2	65.2	67.2	124.3
110°	62.2	61.4	60.7	60.0	59.3	67.7	85.2	102.6	120.1	137.6	188.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	62.8	62.2	61.6	61.0	60.5	92.1	155.8	219.6	283.4	347.1	359.6
115°	64.5	77.1	89.6	102.2	114.8	161.5	242.5	323.4	404.2	485.2	480.8
117.5°	263.3	304.6	345.9	387.3	428.6	459.1	478.7	498.3	517.8	537.4	534.4
120°	479.7	503.3	526.8	550.4	574.0	584.8	582.7	580.6	578.5	576.4	573.3
122.5°	598.6	603.1	607.7	612.3	616.9	618.5	617.3	616.0	614.8	613.5	610.1
125°	672.4	671.8	671.2	670.7	670.2	669.3	668.1	666.9	665.7	664.4	661.2
127.5°	718.8	718.8	718.7	718.6	718.4	717.6	715.7	713.9	712.1	710.4	707.9
130°	747.8	748.0	748.1	748.4	748.6	747.6	745.7	743.8	741.8	739.9	738.0
132.5°	776.1	776.3	776.4	776.6	776.8	776.1	774.5	772.8	771.2	769.5	767.6
135°	817.0	817.3	817.7	818.0	818.4	817.7	816.0	814.2	812.4	810.7	809.2
137.5°	854.3	854.9	855.5	856.1	856.7	856.1	854.4	852.6	850.9	849.3	847.5
140°	877.5	878.5	879.3	880.2	881.1	880.7	879.2	877.5	876.0	874.4	872.5
142.5°	900.2	901.1	902.0	902.8	903.7	903.4	902.0	900.5	899.1	897.7	895.5
145°	931.9	932.7	933.6	934.4	935.3	935.1	933.9	932.7	931.4	930.2	927.3
147.5°	959.7	960.4	961.1	961.8	962.6	962.5	961.6	960.7	959.8	958.9	956.0
150°	976.6	977.5	978.4	979.3	980.2	980.1	979.0	977.9	976.9	975.9	973.1
152.5°	991.1	992.3	993.4	994.5	995.7	995.7	994.7	993.7	992.6	991.6	988.9
155°	1011.2	1012.6	1014.0	1015.5	1016.8	1017.0	1016.0	1014.9	1013.8	1012.8	1010.7
157.5°	1029.7	1031.0	1032.3	1033.7	1035.1	1035.2	1034.0	1032.8	1031.7	1030.4	1029.0
160°	1040.3	1041.6	1042.8	1044.0	1045.3	1045.3	1044.3	1043.2	1042.2	1041.1	1040.1
162.5°	1049.1	1050.7	1052.1	1053.7	1055.2	1055.3	1054.1	1052.9	1051.7	1050.6	1049.6
165°	1062.4	1063.6	1064.8	1066.0	1067.2	1067.2	1066.0	1064.8	1063.6	1062.4	1061.9
167.5°	1070.7	1072.3	1073.8	1075.4	1076.9	1077.2	1075.9	1074.7	1073.5	1072.3	1071.8
170°	1075.7	1077.3	1078.8	1080.5	1082.0	1082.2	1081.0	1079.8	1078.5	1077.3	1076.9
172.5°	1079.5	1081.1	1082.6	1084.2	1085.8	1086.0	1084.8	1083.5	1082.3	1081.1	1080.7
175°	1082.8	1084.5	1086.3	1088.0	1089.8	1090.0	1088.8	1087.6	1086.4	1085.1	1084.8
177.5°	1084.9	1086.1	1087.4	1088.6	1089.9	1090.0	1089.1	1088.0	1087.1	1086.1	1086.0
180°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1295.1	1292.3	1289.9	1283.5	1280.4	1273.3	1272.3	1272.0	1262.7	1254.0	1251.5
5°	1339.6	1332.6	1322.0	1309.7	1296.9	1283.8	1275.0	1268.0	1250.3	1233.6	1224.0
7.5°	1384.4	1369.3	1351.1	1327.8	1308.4	1286.6	1270.4	1255.9	1231.0	1207.0	1190.9
10°	1417.8	1393.2	1369.1	1337.0	1311.9	1287.3	1264.5	1244.7	1216.5	1184.9	1162.4
12.5°	1438.6	1411.5	1378.2	1346.8	1314.4	1283.1	1252.5	1227.1	1194.0	1161.3	1134.7
15°	1466.6	1437.6	1397.1	1352.4	1310.6	1269.7	1234.6	1202.9	1159.9	1120.8	1088.2
17.5°	1489.5	1449.7	1406.2	1354.4	1306.1	1254.0	1208.8	1168.4	1120.4	1073.2	1034.9
20°	1496.9	1457.4	1407.3	1355.4	1298.3	1237.2	1188.4	1144.4	1093.0	1041.6	997.6
22.5°	1492.4	1461.6	1405.8	1343.8	1285.3	1221.3	1166.2	1115.3	1058.3	1005.7	954.8
25°	1461.4	1450.8	1398.1	1330.3	1263.6	1189.3	1125.6	1069.7	1004.7	948.5	893.0
27.5°	1389.0	1411.8	1379.1	1307.0	1232.7	1153.1	1081.4	1017.9	950.4	887.1	831.9
30°	1319.4	1371.7	1357.6	1290.8	1207.7	1129.5	1049.1	982.7	910.7	845.6	791.1
32.5°	1224.1	1310.5	1324.2	1268.3	1182.4	1096.5	1012.2	946.2	870.9	802.4	749.2
35°	1072.4	1201.6	1260.9	1225.3	1139.2	1046.5	959.4	882.5	806.9	739.3	686.5
37.5°	891.4	1067.4	1166.2	1168.8	1089.7	993.2	898.5	822.2	744.8	678.3	621.3
40°	774.0	964.7	1093.5	1122.1	1055.2	951.1	855.2	777.5	701.9	636.8	571.4
42.5°	668.5	858.5	1016.8	1066.5	1013.4	909.9	813.8	732.5	659.0	597.4	530.5
45°	540.6	706.7	881.2	970.0	940.6	844.7	743.2	665.8	596.8	543.6	479.5
47.5°	456.0	573.1	741.9	862.0	861.5	774.0	674.2	600.1	536.1	486.3	434.3
50°	407.9	509.8	652.6	788.9	800.3	726.9	632.0	558.6	498.9	446.5	404.8
52.5°	364.6	448.7	577.0	707.7	740.2	676.7	584.5	516.8	458.7	410.7	374.9
55°	308.1	373.2	470.7	592.9	642.1	597.3	515.6	452.3	405.2	364.8	334.0
57.5°	260.6	309.4	387.7	486.1	543.4	515.2	447.7	396.3	356.1	319.5	295.2
60°	230.7	270.7	337.1	419.3	482.6	462.8	405.2	357.3	323.0	291.4	268.5
62.5°	202.6	236.9	293.9	360.6	418.6	410.4	363.3	323.2	293.2	264.3	245.0
65°	163.1	188.1	232.5	284.8	331.4	335.4	301.5	274.2	247.5	224.5	207.4
67.5°	129.8	146.2	177.5	221.5	256.4	268.9	248.2	227.4	206.1	188.5	173.6
70°	109.4	122.6	145.5	181.1	213.2	226.4	214.5	198.2	179.8	165.2	152.5
72.5°	88.7	101.5	118.4	144.5	172.0	186.2	182.1	170.5	155.5	143.4	131.4
75°	66.8	70.8	82.2	99.8	121.3	133.6	136.7	130.5	118.6	109.4	102.4
77.5°	49.4	51.7	57.3	66.5	80.5	91.5	96.0	95.3	87.1	81.7	75.2
80°	39.5	40.9	43.5	47.4	58.0	69.0	72.1	72.1	66.4	64.1	57.6
82.5°	30.0	31.0	32.6	34.8	39.7	49.3	52.8	53.5	49.9	46.9	41.8
85°	17.1	16.7	17.6	18.9	19.8	22.4	27.7	28.6	27.7	24.2	22.8
87.5°	8.5	8.6	8.4	7.7	7.7	7.6	9.0	10.3	9.3	8.7	8.4
90°	12.9	11.5	10.2	8.4	6.5	4.6	2.7	0.8	2.7	4.6	6.5
92.5°	16.9	16.2	15.4	15.2	15.3	15.5	15.7	15.8	15.7	15.5	15.3
95°	28.2	27.0	25.7	28.1	33.8	39.6	45.4	51.1	45.4	39.6	33.8
97.5°	35.4	32.5	29.7	36.4	52.7	69.0	85.2	101.4	85.2	69.0	52.7
100°	38.9	35.9	33.0	43.4	67.3	91.3	115.2	139.2	115.2	91.3	67.3
102.5°	95.7	120.6	145.5	160.4	165.5	170.6	175.6	180.7	175.6	170.6	165.5
105°	143.4	191.1	238.8	260.0	254.8	249.5	244.3	239.0	244.3	249.5	254.8
107.5°	181.6	238.8	296.0	322.5	318.2	314.0	309.8	305.6	309.8	314.0	318.2
110°	238.6	289.1	339.6	363.0	359.4	355.7	352.1	348.4	352.1	355.7	359.4





TEST NUMBER: P331693-935

CATALOG NUMBER: S122RDIP-S675D925U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	372.0	384.5	397.0	401.6	398.4	395.1	391.8	388.6	391.8	395.1	398.4
115°	476.5	472.1	467.7	464.0	461.1	458.1	455.1	452.1	455.1	458.1	461.1
117.5°	531.4	528.4	525.4	522.2	518.9	515.6	512.2	508.9	512.2	515.6	518.9
120°	570.1	567.0	563.8	560.9	558.3	555.7	553.0	550.4	553.0	555.7	558.3
122.5°	606.7	603.2	599.8	596.7	593.9	591.2	588.4	585.7	588.4	591.2	593.9
125°	657.8	654.5	651.2	648.4	646.1	643.9	641.5	639.3	641.5	643.9	646.1
127.5°	705.4	702.9	700.4	697.9	695.4	692.9	690.4	687.9	690.4	692.9	695.4
130°	736.1	734.2	732.3	729.9	727.1	724.3	721.5	718.8	721.5	724.3	727.1
132.5°	765.7	763.8	761.8	759.7	757.3	754.9	752.5	750.2	752.5	754.9	757.3
135°	807.6	806.0	804.4	802.3	799.4	796.7	793.8	791.1	793.8	796.7	799.4
137.5°	845.7	843.9	842.1	840.2	838.3	836.4	834.4	832.4	834.4	836.4	838.3
140°	870.6	868.7	866.8	865.0	863.7	862.3	860.9	859.5	860.9	862.3	863.7
142.5°	893.3	891.0	888.9	887.2	885.9	884.7	883.4	882.1	883.4	884.7	885.9
145°	924.3	921.4	918.3	917.0	917.1	917.3	917.5	917.7	917.5	917.3	917.1
147.5°	953.0	950.0	947.1	946.0	946.7	947.4	948.0	948.6	948.0	947.4	946.7
150°	970.3	967.5	964.7	963.9	965.1	966.3	967.6	968.8	967.6	966.3	965.1
152.5°	986.3	983.6	980.9	980.3	981.7	983.0	984.4	985.8	984.4	983.0	981.7
155°	1008.7	1006.5	1004.4	1004.2	1005.7	1007.3	1008.9	1010.5	1008.9	1007.3	1005.7
157.5°	1027.5	1026.1	1024.6	1024.5	1025.8	1027.2	1028.5	1029.8	1028.5	1027.2	1025.8
160°	1039.1	1037.9	1036.9	1036.9	1037.9	1039.1	1040.1	1041.1	1040.1	1039.1	1037.9
162.5°	1048.7	1047.8	1046.9	1047.0	1048.0	1049.1	1050.2	1051.2	1050.2	1049.1	1048.0
165°	1061.3	1060.8	1060.2	1060.5	1061.5	1062.6	1063.7	1064.7	1063.7	1062.6	1061.5
167.5°	1071.3	1070.8	1070.3	1070.6	1071.6	1072.7	1073.8	1074.8	1073.8	1072.7	1071.6
170°	1076.6	1076.2	1075.9	1076.2	1077.3	1078.3	1079.3	1080.5	1079.3	1078.3	1077.3
172.5°	1080.4	1080.0	1079.7	1080.0	1081.1	1082.1	1083.1	1084.2	1083.1	1082.1	1081.1
175°	1084.4	1084.1	1083.7	1084.2	1085.4	1086.7	1087.9	1089.1	1087.9	1086.7	1085.4
177.5°	1085.8	1085.7	1085.5	1086.0	1086.9	1088.0	1088.9	1089.9	1088.9	1088.0	1086.9
180°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8



TEST NUMBER: P331693-935

CATALOG NUMBER: S122RDIP-S675D925U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1247.0	1244.5	1239.9	1232.9	1228.6	1221.2	1216.3	1219.2	1219.9	1219.2	1218.5
5°	1213.5	1204.2	1191.5	1179.1	1167.8	1155.5	1148.4	1145.3	1139.2	1135.7	1133.9
7.5°	1172.9	1157.0	1139.0	1117.6	1099.3	1080.3	1070.6	1065.7	1053.1	1046.3	1040.3
10°	1142.7	1117.7	1099.7	1071.5	1054.4	1029.3	1012.2	1012.6	995.5	985.8	978.8
12.5°	1109.3	1081.8	1051.8	1026.5	1002.6	982.6	961.9	953.6	935.3	926.0	907.1
15°	1054.0	1021.8	990.2	955.9	931.8	900.5	870.6	834.1	804.7	779.2	772.2
17.5°	993.4	953.7	922.0	881.8	840.3	787.8	753.2	732.0	714.3	700.9	690.8
20°	951.9	911.5	877.7	817.0	761.2	725.7	700.2	683.9	665.4	650.9	643.0
22.5°	908.4	866.2	820.0	752.3	708.9	680.3	657.5	638.9	626.4	615.0	607.9
25°	846.4	800.3	724.3	677.7	642.6	612.7	596.8	585.4	572.2	556.8	549.8
27.5°	781.1	707.7	653.1	618.5	584.9	565.4	551.2	534.2	522.4	515.5	508.2
30°	732.2	658.8	616.2	578.4	554.7	533.1	516.4	506.8	495.3	483.5	478.6
32.5°	677.7	619.1	578.2	546.7	522.6	504.3	491.1	475.4	467.2	459.9	449.8
35°	610.0	565.7	528.3	502.8	479.9	465.0	449.6	440.4	425.4	419.3	415.3
37.5°	552.7	514.2	486.4	459.4	441.3	424.8	415.4	400.7	394.3	385.7	377.4
40°	520.4	482.6	455.7	433.8	413.5	401.2	389.4	377.5	367.8	363.9	353.8
42.5°	487.3	456.6	429.7	405.6	392.1	379.1	364.1	355.4	345.3	339.0	332.7
45°	441.7	414.5	391.6	371.8	356.9	343.3	333.6	319.1	313.4	300.6	295.3
47.5°	401.7	376.3	354.5	335.7	321.1	312.2	298.1	286.7	277.6	269.8	263.0
50°	373.2	352.1	331.0	314.3	301.1	288.3	273.8	268.1	254.0	250.0	246.2
52.5°	347.2	327.1	307.7	291.4	278.2	265.8	253.0	245.6	236.1	232.1	229.3
55°	310.7	291.4	272.9	258.4	245.2	232.5	224.5	215.3	210.9	207.8	204.4
57.5°	274.1	256.8	242.6	227.9	214.6	204.6	195.4	189.9	185.3	181.2	177.0
60°	251.0	234.3	221.5	207.8	194.2	185.9	178.9	172.3	167.0	160.8	159.1
62.5°	226.4	211.7	200.1	186.8	175.0	167.3	160.6	154.4	148.0	139.1	136.6
65°	192.5	181.1	168.8	157.8	147.2	139.7	130.1	123.0	120.5	119.5	119.1
67.5°	162.0	151.1	140.5	129.3	119.7	112.8	107.9	106.8	105.0	104.4	103.2
70°	141.5	131.4	120.9	110.3	101.1	99.8	98.0	96.3	94.0	93.2	92.3
72.5°	123.2	112.8	102.2	93.8	89.8	88.2	86.4	84.6	83.2	82.3	81.7
75°	94.5	84.8	77.8	74.7	72.5	71.2	68.5	67.2	66.4	65.0	64.6
77.5°	68.0	62.6	59.3	57.4	55.1	53.7	52.2	50.9	49.9	49.7	49.0
80°	51.8	49.2	47.0	44.4	43.5	41.8	41.3	40.0	40.5	39.1	39.1
82.5°	40.3	36.9	35.0	33.8	33.0	31.6	31.1	30.5	30.6	29.6	29.6
85°	20.7	19.8	18.9	18.0	18.0	16.7	17.1	16.7	16.7	15.8	15.4
87.5°	8.4	8.4	7.9	8.2	8.5	8.4	8.6	8.4	8.6	8.8	8.5
90°	8.4	10.2	11.5	12.9	14.3	15.8	16.6	17.5	18.3	19.2	19.8
92.5°	15.2	15.4	16.2	16.9	17.6	18.3	18.7	19.1	19.6	20.1	20.4
95°	28.1	25.7	27.0	28.2	29.4	30.7	31.5	32.4	33.3	34.2	34.5
97.5°	36.4	29.7	32.5	35.4	38.2	41.1	41.8	42.4	43.1	43.8	44.3
100°	43.4	33.0	35.9	38.9	41.8	44.9	46.2	47.6	49.0	50.5	51.3
102.5°	160.4	145.5	120.6	95.7	70.9	46.1	47.9	49.7	51.6	53.4	54.5
105°	260.0	238.8	191.1	143.4	95.7	48.0	49.9	51.8	53.7	55.6	57.0
107.5°	322.5	296.0	238.8	181.6	124.3	67.2	65.2	63.2	61.3	59.3	58.7
110°	363.0	339.6	289.1	238.6	188.1	137.6	120.1	102.6	85.2	67.7	59.3



TEST NUMBER: P331693-935

CATALOG NUMBER: S122RDIP-S675D925U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	401.6	397.0	384.5	372.0	359.6	347.1	283.4	219.6	155.8	92.1	60.5
115°	464.0	467.7	472.1	476.5	480.8	485.2	404.2	323.4	242.5	161.5	114.8
117.5°	522.2	525.4	528.4	531.4	534.4	537.4	517.8	498.3	478.7	459.1	428.6
120°	560.9	563.8	567.0	570.1	573.3	576.4	578.5	580.6	582.7	584.8	574.0
122.5°	596.7	599.8	603.2	606.7	610.1	613.5	614.8	616.0	617.3	618.5	616.9
125°	648.4	651.2	654.5	657.8	661.2	664.4	665.7	666.9	668.1	669.3	670.2
127.5°	697.9	700.4	702.9	705.4	707.9	710.4	712.1	713.9	715.7	717.6	718.4
130°	729.9	732.3	734.2	736.1	738.0	739.9	741.8	743.8	745.7	747.6	748.6
132.5°	759.7	761.8	763.8	765.7	767.6	769.5	771.2	772.8	774.5	776.1	776.8
135°	802.3	804.4	806.0	807.6	809.2	810.7	812.4	814.2	816.0	817.7	818.4
137.5°	840.2	842.1	843.9	845.7	847.5	849.3	850.9	852.6	854.4	856.1	856.7
140°	865.0	866.8	868.7	870.6	872.5	874.4	876.0	877.5	879.2	880.7	881.1
142.5°	887.2	888.9	891.0	893.3	895.5	897.7	899.1	900.5	902.0	903.4	903.7
145°	917.0	918.3	921.4	924.3	927.3	930.2	931.4	932.7	933.9	935.1	935.3
147.5°	946.0	947.1	950.0	953.0	956.0	958.9	959.8	960.7	961.6	962.5	962.6
150°	963.9	964.7	967.5	970.3	973.1	975.9	976.9	977.9	979.0	980.1	980.2
152.5°	980.3	980.9	983.6	986.3	988.9	991.6	992.6	993.7	994.7	995.7	995.7
155°	1004.2	1004.4	1006.5	1008.7	1010.7	1012.8	1013.8	1014.9	1016.0	1017.0	1016.8
157.5°	1024.5	1024.6	1026.1	1027.5	1029.0	1030.4	1031.7	1032.8	1034.0	1035.2	1035.1
160°	1036.9	1036.9	1037.9	1039.1	1040.1	1041.1	1042.2	1043.2	1044.3	1045.3	1045.3
162.5°	1047.0	1046.9	1047.8	1048.7	1049.6	1050.6	1051.7	1052.9	1054.1	1055.3	1055.2
165°	1060.5	1060.2	1060.8	1061.3	1061.9	1062.4	1063.6	1064.8	1066.0	1067.2	1067.2
167.5°	1070.6	1070.3	1070.8	1071.3	1071.8	1072.3	1073.5	1074.7	1075.9	1077.2	1076.9
170°	1076.2	1075.9	1076.2	1076.6	1076.9	1077.3	1078.5	1079.8	1081.0	1082.2	1082.0
172.5°	1080.0	1079.7	1080.0	1080.4	1080.7	1081.1	1082.3	1083.5	1084.8	1086.0	1085.8
175°	1084.2	1083.7	1084.1	1084.4	1084.8	1085.1	1086.4	1087.6	1088.8	1090.0	1089.8
177.5°	1086.0	1085.5	1085.7	1085.8	1086.0	1086.1	1087.1	1088.0	1089.1	1090.0	1089.9
180°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8



TEST NUMBER: P331693-935

CATALOG NUMBER: S122RDIP-S675D925U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1214.6	1215.3	1214.3	1215.0	1214.3	1215.3	1214.6	1218.5	1219.2	1219.9	1219.2
5°	1131.7	1126.4	1125.6	1124.2	1125.6	1126.4	1131.7	1133.9	1135.7	1139.2	1145.3
7.5°	1032.8	1031.9	1029.8	1026.7	1029.8	1031.9	1032.8	1040.3	1046.3	1053.1	1065.7
10°	969.1	966.9	966.5	963.4	966.5	966.9	969.1	978.8	985.8	995.5	1012.6
12.5°	894.6	880.4	878.9	871.2	878.9	880.4	894.6	907.1	926.0	935.3	953.6
15°	761.6	759.1	750.2	744.5	750.2	759.1	761.6	772.2	779.2	804.7	834.1
17.5°	685.7	677.1	674.3	673.1	674.3	677.1	685.7	690.8	700.9	714.3	732.0
20°	636.8	629.0	627.6	626.7	627.6	629.0	636.8	643.0	650.9	665.4	683.9
22.5°	603.0	594.8	591.4	588.8	591.4	594.8	603.0	607.9	615.0	626.4	638.9
25°	545.4	542.3	540.6	539.7	540.6	542.3	545.4	549.8	556.8	572.2	585.4
27.5°	500.3	493.5	492.2	490.0	492.2	493.5	500.3	508.2	515.5	522.4	534.2
30°	474.7	472.4	469.4	466.7	469.4	472.4	474.7	478.6	483.5	495.3	506.8
32.5°	444.4	442.6	439.9	438.6	439.9	442.6	444.4	449.8	459.9	467.2	475.4
35°	411.0	404.8	402.2	398.2	402.2	404.8	411.0	415.3	419.3	425.4	440.4
37.5°	375.5	372.3	368.6	369.9	368.6	372.3	375.5	377.4	385.7	394.3	400.7
40°	348.1	345.9	345.0	344.6	345.0	345.9	348.1	353.8	363.9	367.8	377.5
42.5°	326.3	320.2	318.0	317.9	318.0	320.2	326.3	332.7	339.0	345.3	355.4
45°	293.2	287.4	283.4	284.0	283.4	287.4	293.2	295.3	300.6	313.4	319.1
47.5°	259.2	259.1	256.6	257.4	256.6	259.1	259.2	263.0	269.8	277.6	286.7
50°	243.1	240.4	238.7	239.1	238.7	240.4	243.1	246.2	250.0	254.0	268.1
52.5°	227.6	225.3	223.9	225.8	223.9	225.3	227.6	229.3	232.1	236.1	245.6
55°	202.2	199.5	199.1	198.6	199.1	199.5	202.2	204.4	207.8	210.9	215.3
57.5°	173.7	172.0	169.4	168.2	169.4	172.0	173.7	177.0	181.2	185.3	189.9
60°	153.3	149.9	145.5	145.0	145.5	149.9	153.3	159.1	160.8	167.0	172.3
62.5°	134.7	134.1	133.2	133.1	133.2	134.1	134.7	136.6	139.1	148.0	154.4
65°	118.2	117.8	118.2	118.6	118.2	117.8	118.2	119.1	119.5	120.5	123.0
67.5°	103.1	102.2	101.4	101.8	101.4	102.2	103.1	103.2	104.4	105.0	106.8
70°	91.4	91.0	90.6	90.6	90.6	91.0	91.4	92.3	93.2	94.0	96.3
72.5°	80.2	80.1	79.6	79.3	79.6	80.1	80.2	81.7	82.3	83.2	84.6
75°	64.1	63.3	63.3	63.3	63.3	63.3	64.1	64.6	65.0	66.4	67.2
77.5°	48.9	48.5	48.0	47.6	48.0	48.5	48.9	49.0	49.7	49.9	50.9
80°	38.7	38.2	37.8	37.8	37.8	38.2	38.7	39.1	39.1	40.5	40.0
82.5°	29.5	29.1	29.0	28.7	29.0	29.1	29.5	29.6	29.6	30.6	30.5
85°	15.8	16.3	15.8	16.7	15.8	16.3	15.8	15.4	15.8	16.7	16.7
87.5°	8.6	8.4	8.8	8.4	8.8	8.4	8.6	8.5	8.8	8.6	8.4
90°	20.1	20.5	20.9	21.3	20.9	20.5	20.1	19.8	19.2	18.3	17.5
92.5°	20.6	20.8	21.0	21.3	21.0	20.8	20.6	20.4	20.1	19.6	19.1
95°	34.4	34.2	34.0	33.8	34.0	34.2	34.4	34.5	34.2	33.3	32.4
97.5°	44.5	44.7	44.9	45.1	44.9	44.7	44.5	44.3	43.8	43.1	42.4
100°	51.7	52.0	52.3	52.7	52.3	52.0	51.7	51.3	50.5	49.0	47.6
102.5°	55.0	55.4	56.0	56.5	56.0	55.4	55.0	54.5	53.4	51.6	49.7
105°	57.7	58.4	59.1	59.8	59.1	58.4	57.7	57.0	55.6	53.7	51.8
107.5°	59.4	60.1	60.8	61.5	60.8	60.1	59.4	58.7	59.3	61.3	63.2
110°	60.0	60.7	61.4	62.2	61.4	60.7	60.0	59.3	67.7	85.2	102.6



TEST NUMBER: P331693-935

CATALOG NUMBER: S122RDIP-S675D925U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	61.0	61.6	62.2	62.8	62.2	61.6	61.0	60.5	92.1	155.8	219.6
115°	102.2	89.6	77.1	64.5	77.1	89.6	102.2	114.8	161.5	242.5	323.4
117.5°	387.3	345.9	304.6	263.3	304.6	345.9	387.3	428.6	459.1	478.7	498.3
120°	550.4	526.8	503.3	479.7	503.3	526.8	550.4	574.0	584.8	582.7	580.6
122.5°	612.3	607.7	603.1	598.6	603.1	607.7	612.3	616.9	618.5	617.3	616.0
125°	670.7	671.2	671.8	672.4	671.8	671.2	670.7	670.2	669.3	668.1	666.9
127.5°	718.6	718.7	718.8	718.8	718.8	718.7	718.6	718.4	717.6	715.7	713.9
130°	748.4	748.1	748.0	747.8	748.0	748.1	748.4	748.6	747.6	745.7	743.8
132.5°	776.6	776.4	776.3	776.1	776.3	776.4	776.6	776.8	776.1	774.5	772.8
135°	818.0	817.7	817.3	817.0	817.3	817.7	818.0	818.4	817.7	816.0	814.2
137.5°	856.1	855.5	854.9	854.3	854.9	855.5	856.1	856.7	856.1	854.4	852.6
140°	880.2	879.3	878.5	877.5	878.5	879.3	880.2	881.1	880.7	879.2	877.5
142.5°	902.8	902.0	901.1	900.2	901.1	902.0	902.8	903.7	903.4	902.0	900.5
145°	934.4	933.6	932.7	931.9	932.7	933.6	934.4	935.3	935.1	933.9	932.7
147.5°	961.8	961.1	960.4	959.7	960.4	961.1	961.8	962.6	962.5	961.6	960.7
150°	979.3	978.4	977.5	976.6	977.5	978.4	979.3	980.2	980.1	979.0	977.9
152.5°	994.5	993.4	992.3	991.1	992.3	993.4	994.5	995.7	995.7	994.7	993.7
155°	1015.5	1014.0	1012.6	1011.2	1012.6	1014.0	1015.5	1016.8	1017.0	1016.0	1014.9
157.5°	1033.7	1032.3	1031.0	1029.7	1031.0	1032.3	1033.7	1035.1	1035.2	1034.0	1032.8
160°	1044.0	1042.8	1041.6	1040.3	1041.6	1042.8	1044.0	1045.3	1045.3	1044.3	1043.2
162.5°	1053.7	1052.1	1050.7	1049.1	1050.7	1052.1	1053.7	1055.2	1055.3	1054.1	1052.9
165°	1066.0	1064.8	1063.6	1062.4	1063.6	1064.8	1066.0	1067.2	1067.2	1066.0	1064.8
167.5°	1075.4	1073.8	1072.3	1070.7	1072.3	1073.8	1075.4	1076.9	1077.2	1075.9	1074.7
170°	1080.5	1078.8	1077.3	1075.7	1077.3	1078.8	1080.5	1082.0	1082.2	1081.0	1079.8
172.5°	1084.2	1082.6	1081.1	1079.5	1081.1	1082.6	1084.2	1085.8	1086.0	1084.8	1083.5
175°	1088.0	1086.3	1084.5	1082.8	1084.5	1086.3	1088.0	1089.8	1090.0	1088.8	1087.6
177.5°	1088.6	1087.4	1086.1	1084.9	1086.1	1087.4	1088.6	1089.9	1090.0	1089.1	1088.0
180°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8



TEST NUMBER: P331693-935

CATALOG NUMBER: S122RDIP-S675D925U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1216.3	1221.2	1228.6	1232.9	1239.9	1244.5	1247.0	1251.5	1254.0	1262.7	1272.0
5°	1148.4	1155.5	1167.8	1179.1	1191.5	1204.2	1213.5	1224.0	1233.6	1250.3	1268.0
7.5°	1070.6	1080.3	1099.3	1117.6	1139.0	1157.0	1172.9	1190.9	1207.0	1231.0	1255.9
10°	1012.2	1029.3	1054.4	1071.5	1099.7	1117.7	1142.7	1162.4	1184.9	1216.5	1244.7
12.5°	961.9	982.6	1002.6	1026.5	1051.8	1081.8	1109.3	1134.7	1161.3	1194.0	1227.1
15°	870.6	900.5	931.8	955.9	990.2	1021.8	1054.0	1088.2	1120.8	1159.9	1202.9
17.5°	753.2	787.8	840.3	881.8	922.0	953.7	993.4	1034.9	1073.2	1120.4	1168.4
20°	700.2	725.7	761.2	817.0	877.7	911.5	951.9	997.6	1041.6	1093.0	1144.4
22.5°	657.5	680.3	708.9	752.3	820.0	866.2	908.4	954.8	1005.7	1058.3	1115.3
25°	596.8	612.7	642.6	677.7	724.3	800.3	846.4	893.0	948.5	1004.7	1069.7
27.5°	551.2	565.4	584.9	618.5	653.1	707.7	781.1	831.9	887.1	950.4	1017.9
30°	516.4	533.1	554.7	578.4	616.2	658.8	732.2	791.1	845.6	910.7	982.7
32.5°	491.1	504.3	522.6	546.7	578.2	619.1	677.7	749.2	802.4	870.9	946.2
35°	449.6	465.0	479.9	502.8	528.3	565.7	610.0	686.5	739.3	806.9	882.5
37.5°	415.4	424.8	441.3	459.4	486.4	514.2	552.7	621.3	678.3	744.8	822.2
40°	389.4	401.2	413.5	433.8	455.7	482.6	520.4	571.4	636.8	701.9	777.5
42.5°	364.1	379.1	392.1	405.6	429.7	456.6	487.3	530.5	597.4	659.0	732.5
45°	333.6	343.3	356.9	371.8	391.6	414.5	441.7	479.5	543.6	596.8	665.8
47.5°	298.1	312.2	321.1	335.7	354.5	376.3	401.7	434.3	486.3	536.1	600.1
50°	273.8	288.3	301.1	314.3	331.0	352.1	373.2	404.8	446.5	498.9	558.6
52.5°	253.0	265.8	278.2	291.4	307.7	327.1	347.2	374.9	410.7	458.7	516.8
55°	224.5	232.5	245.2	258.4	272.9	291.4	310.7	334.0	364.8	405.2	452.3
57.5°	195.4	204.6	214.6	227.9	242.6	256.8	274.1	295.2	319.5	356.1	396.3
60°	178.9	185.9	194.2	207.8	221.5	234.3	251.0	268.5	291.4	323.0	357.3
62.5°	160.6	167.3	175.0	186.8	200.1	211.7	226.4	245.0	264.3	293.2	323.2
65°	130.1	139.7	147.2	157.8	168.8	181.1	192.5	207.4	224.5	247.5	274.2
67.5°	107.9	112.8	119.7	129.3	140.5	151.1	162.0	173.6	188.5	206.1	227.4
70°	98.0	99.8	101.1	110.3	120.9	131.4	141.5	152.5	165.2	179.8	198.2
72.5°	86.4	88.2	89.8	93.8	102.2	112.8	123.2	131.4	143.4	155.5	170.5
75°	68.5	71.2	72.5	74.7	77.8	84.8	94.5	102.4	109.4	118.6	130.5
77.5°	52.2	53.7	55.1	57.4	59.3	62.6	68.0	75.2	81.7	87.1	95.3
80°	41.3	41.8	43.5	44.4	47.0	49.2	51.8	57.6	64.1	66.4	72.1
82.5°	31.1	31.6	33.0	33.8	35.0	36.9	40.3	41.8	46.9	49.9	53.5
85°	17.1	16.7	18.0	18.0	18.9	19.8	20.7	22.8	24.2	27.7	28.6
87.5°	8.6	8.4	8.5	8.2	7.9	8.4	8.4	8.4	8.7	9.3	10.3
90°	16.6	15.8	14.3	12.9	11.5	10.2	8.4	6.5	4.6	2.7	0.8
92.5°	18.7	18.3	17.6	16.9	16.2	15.4	15.2	15.3	15.5	15.7	15.8
95°	31.5	30.7	29.4	28.2	27.0	25.7	28.1	33.8	39.6	45.4	51.1
97.5°	41.8	41.1	38.2	35.4	32.5	29.7	36.4	52.7	69.0	85.2	101.4
100°	46.2	44.9	41.8	38.9	35.9	33.0	43.4	67.3	91.3	115.2	139.2
102.5°	47.9	46.1	70.9	95.7	120.6	145.5	160.4	165.5	170.6	175.6	180.7
105°	49.9	48.0	95.7	143.4	191.1	238.8	260.0	254.8	249.5	244.3	239.0
107.5°	65.2	67.2	124.3	181.6	238.8	296.0	322.5	318.2	314.0	309.8	305.6
110°	120.1	137.6	188.1	238.6	289.1	339.6	363.0	359.4	355.7	352.1	348.4



TEST NUMBER: P331693-935

CATALOG NUMBER: S122RDIP-S675D925U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	283.4	347.1	359.6	372.0	384.5	397.0	401.6	398.4	395.1	391.8	388.6
115°	404.2	485.2	480.8	476.5	472.1	467.7	464.0	461.1	458.1	455.1	452.1
117.5°	517.8	537.4	534.4	531.4	528.4	525.4	522.2	518.9	515.6	512.2	508.9
120°	578.5	576.4	573.3	570.1	567.0	563.8	560.9	558.3	555.7	553.0	550.4
122.5°	614.8	613.5	610.1	606.7	603.2	599.8	596.7	593.9	591.2	588.4	585.7
125°	665.7	664.4	661.2	657.8	654.5	651.2	648.4	646.1	643.9	641.5	639.3
127.5°	712.1	710.4	707.9	705.4	702.9	700.4	697.9	695.4	692.9	690.4	687.9
130°	741.8	739.9	738.0	736.1	734.2	732.3	729.9	727.1	724.3	721.5	718.8
132.5°	771.2	769.5	767.6	765.7	763.8	761.8	759.7	757.3	754.9	752.5	750.2
135°	812.4	810.7	809.2	807.6	806.0	804.4	802.3	799.4	796.7	793.8	791.1
137.5°	850.9	849.3	847.5	845.7	843.9	842.1	840.2	838.3	836.4	834.4	832.4
140°	876.0	874.4	872.5	870.6	868.7	866.8	865.0	863.7	862.3	860.9	859.5
142.5°	899.1	897.7	895.5	893.3	891.0	888.9	887.2	885.9	884.7	883.4	882.1
145°	931.4	930.2	927.3	924.3	921.4	918.3	917.0	917.1	917.3	917.5	917.7
147.5°	959.8	958.9	956.0	953.0	950.0	947.1	946.0	946.7	947.4	948.0	948.6
150°	976.9	975.9	973.1	970.3	967.5	964.7	963.9	965.1	966.3	967.6	968.8
152.5°	992.6	991.6	988.9	986.3	983.6	980.9	980.3	981.7	983.0	984.4	985.8
155°	1013.8	1012.8	1010.7	1008.7	1006.5	1004.4	1004.2	1005.7	1007.3	1008.9	1010.5
157.5°	1031.7	1030.4	1029.0	1027.5	1026.1	1024.6	1024.5	1025.8	1027.2	1028.5	1029.8
160°	1042.2	1041.1	1040.1	1039.1	1037.9	1036.9	1036.9	1037.9	1039.1	1040.1	1041.1
162.5°	1051.7	1050.6	1049.6	1048.7	1047.8	1046.9	1047.0	1048.0	1049.1	1050.2	1051.2
165°	1063.6	1062.4	1061.9	1061.3	1060.8	1060.2	1060.5	1061.5	1062.6	1063.7	1064.7
167.5°	1073.5	1072.3	1071.8	1071.3	1070.8	1070.3	1070.6	1071.6	1072.7	1073.8	1074.8
170°	1078.5	1077.3	1076.9	1076.6	1076.2	1075.9	1076.2	1077.3	1078.3	1079.3	1080.5
172.5°	1082.3	1081.1	1080.7	1080.4	1080.0	1079.7	1080.0	1081.1	1082.1	1083.1	1084.2
175°	1086.4	1085.1	1084.8	1084.4	1084.1	1083.7	1084.2	1085.4	1086.7	1087.9	1089.1
177.5°	1087.1	1086.1	1086.0	1085.8	1085.7	1085.5	1086.0	1086.9	1088.0	1088.9	1089.9
180°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8



TEST NUMBER: P331693-935

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1272.3	1273.3	1280.4	1283.5	1289.9	1292.3	1295.1	1294.4	1294.4	1295.8	1305.7
5°	1275.0	1283.8	1296.9	1309.7	1322.0	1332.6	1339.6	1346.6	1349.3	1362.0	1373.5
7.5°	1270.4	1286.6	1308.4	1327.8	1351.1	1369.3	1384.4	1398.1	1407.4	1425.9	1444.9
10°	1264.5	1287.3	1311.9	1337.0	1369.1	1393.2	1417.8	1436.8	1442.9	1470.6	1486.4
12.5°	1252.5	1283.1	1314.4	1346.8	1378.2	1411.5	1438.6	1457.5	1479.1	1504.0	1533.2
15°	1234.6	1269.7	1310.6	1352.4	1397.1	1437.6	1466.6	1499.6	1523.3	1550.6	1576.1
17.5°	1208.8	1254.0	1306.1	1354.4	1406.2	1449.7	1489.5	1521.2	1537.9	1553.4	1557.2
20°	1188.4	1237.2	1298.3	1355.4	1407.3	1457.4	1496.9	1523.3	1527.7	1528.1	1504.9
22.5°	1166.2	1221.3	1285.3	1343.8	1405.8	1461.6	1492.4	1503.7	1486.2	1456.4	1411.4
25°	1125.6	1189.3	1263.6	1330.3	1398.1	1450.8	1461.4	1441.6	1380.4	1316.3	1235.0
27.5°	1081.4	1153.1	1232.7	1307.0	1379.1	1411.8	1389.0	1317.7	1207.6	1112.0	996.1
30°	1049.1	1129.5	1207.7	1290.8	1357.6	1371.7	1319.4	1214.4	1086.0	941.8	826.3
32.5°	1012.2	1096.5	1182.4	1268.3	1324.2	1310.5	1224.1	1094.8	944.3	802.6	693.4
35°	959.4	1046.5	1139.2	1225.3	1260.9	1201.6	1072.4	904.0	750.2	617.9	542.8
37.5°	898.5	993.2	1089.7	1168.8	1166.2	1067.4	891.4	717.6	588.3	510.1	456.6
40°	855.2	951.1	1055.2	1122.1	1093.5	964.7	774.0	610.0	515.6	453.1	414.0
42.5°	813.8	909.9	1013.4	1066.5	1016.8	858.5	668.5	540.0	462.1	413.4	381.7
45°	743.2	844.7	940.6	970.0	881.2	706.7	540.6	447.4	395.5	359.6	337.5
47.5°	674.2	774.0	861.5	862.0	741.9	573.1	456.0	387.2	342.9	315.0	299.0
50°	632.0	726.9	800.3	788.9	652.6	509.8	407.9	348.5	311.6	290.1	273.4
52.5°	584.5	676.7	740.2	707.7	577.0	448.7	364.6	314.8	284.2	265.4	250.6
55°	515.6	597.3	642.1	592.9	470.7	373.2	308.1	269.0	246.2	230.3	217.6
57.5°	447.7	515.2	543.4	486.1	387.7	309.4	260.6	231.3	208.6	197.3	190.6
60°	405.2	462.8	482.6	419.3	337.1	270.7	230.7	203.5	186.8	179.3	172.7
62.5°	363.3	410.4	418.6	360.6	293.9	236.9	202.6	179.6	168.5	161.4	155.2
65°	301.5	335.4	331.4	284.8	232.5	188.1	163.1	149.0	140.6	130.5	119.5
67.5°	248.2	268.9	256.4	221.5	177.5	146.2	129.8	119.2	108.8	99.3	96.7
70°	214.5	226.4	213.2	181.1	145.5	122.6	109.4	96.7	90.6	88.3	84.4
72.5°	182.1	186.2	172.0	144.5	118.4	101.5	88.7	81.5	78.3	76.4	73.9
75°	136.7	133.6	121.3	99.8	82.2	70.8	66.8	64.1	62.0	60.2	58.9
77.5°	96.0	91.5	80.5	66.5	57.3	51.7	49.4	48.0	46.9	46.1	44.8
80°	72.1	69.0	58.0	47.4	43.5	40.9	39.5	37.8	37.8	36.9	35.6
82.5°	52.8	49.3	39.7	34.8	32.6	31.0	30.0	29.0	28.7	28.8	27.9
85°	27.7	22.4	19.8	18.9	17.6	16.7	17.1	16.3	16.3	16.3	15.8
87.5°	9.0	7.6	7.7	7.7	8.4	8.6	8.5	8.9	9.5	9.3	9.8
90°	2.7	4.6	6.5	8.4	10.2	11.5	12.9	14.3	15.8	16.6	17.5
92.5°	15.7	15.5	15.3	15.2	15.4	16.2	16.9	17.6	18.3	18.7	19.1
95°	45.4	39.6	33.8	28.1	25.7	27.0	28.2	29.4	30.7	31.5	32.4
97.5°	85.2	69.0	52.7	36.4	29.7	32.5	35.4	38.2	41.1	41.8	42.4
100°	115.2	91.3	67.3	43.4	33.0	35.9	38.9	41.8	44.9	46.2	47.6
102.5°	175.6	170.6	165.5	160.4	145.5	120.6	95.7	70.9	46.1	47.9	49.7
105°	244.3	249.5	254.8	260.0	238.8	191.1	143.4	95.7	48.0	49.9	51.8
107.5°	309.8	314.0	318.2	322.5	296.0	238.8	181.6	124.3	67.2	65.2	63.2
110°	352.1	355.7	359.4	363.0	339.6	289.1	238.6	188.1	137.6	120.1	102.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	391.8	395.1	398.4	401.6	397.0	384.5	372.0	359.6	347.1	283.4	219.6
115°	455.1	458.1	461.1	464.0	467.7	472.1	476.5	480.8	485.2	404.2	323.4
117.5°	512.2	515.6	518.9	522.2	525.4	528.4	531.4	534.4	537.4	517.8	498.3
120°	553.0	555.7	558.3	560.9	563.8	567.0	570.1	573.3	576.4	578.5	580.6
122.5°	588.4	591.2	593.9	596.7	599.8	603.2	606.7	610.1	613.5	614.8	616.0
125°	641.5	643.9	646.1	648.4	651.2	654.5	657.8	661.2	664.4	665.7	666.9
127.5°	690.4	692.9	695.4	697.9	700.4	702.9	705.4	707.9	710.4	712.1	713.9
130°	721.5	724.3	727.1	729.9	732.3	734.2	736.1	738.0	739.9	741.8	743.8
132.5°	752.5	754.9	757.3	759.7	761.8	763.8	765.7	767.6	769.5	771.2	772.8
135°	793.8	796.7	799.4	802.3	804.4	806.0	807.6	809.2	810.7	812.4	814.2
137.5°	834.4	836.4	838.3	840.2	842.1	843.9	845.7	847.5	849.3	850.9	852.6
140°	860.9	862.3	863.7	865.0	866.8	868.7	870.6	872.5	874.4	876.0	877.5
142.5°	883.4	884.7	885.9	887.2	888.9	891.0	893.3	895.5	897.7	899.1	900.5
145°	917.5	917.3	917.1	917.0	918.3	921.4	924.3	927.3	930.2	931.4	932.7
147.5°	948.0	947.4	946.7	946.0	947.1	950.0	953.0	956.0	958.9	959.8	960.7
150°	967.6	966.3	965.1	963.9	964.7	967.5	970.3	973.1	975.9	976.9	977.9
152.5°	984.4	983.0	981.7	980.3	980.9	983.6	986.3	988.9	991.6	992.6	993.7
155°	1008.9	1007.3	1005.7	1004.2	1004.4	1006.5	1008.7	1010.7	1012.8	1013.8	1014.9
157.5°	1028.5	1027.2	1025.8	1024.5	1024.6	1026.1	1027.5	1029.0	1030.4	1031.7	1032.8
160°	1040.1	1039.1	1037.9	1036.9	1036.9	1037.9	1039.1	1040.1	1041.1	1042.2	1043.2
162.5°	1050.2	1049.1	1048.0	1047.0	1046.9	1047.8	1048.7	1049.6	1050.6	1051.7	1052.9
165°	1063.7	1062.6	1061.5	1060.5	1060.2	1060.8	1061.3	1061.9	1062.4	1063.6	1064.8
167.5°	1073.8	1072.7	1071.6	1070.6	1070.3	1070.8	1071.3	1071.8	1072.3	1073.5	1074.7
170°	1079.3	1078.3	1077.3	1076.2	1075.9	1076.2	1076.6	1076.9	1077.3	1078.5	1079.8
172.5°	1083.1	1082.1	1081.1	1080.0	1079.7	1080.0	1080.4	1080.7	1081.1	1082.3	1083.5
175°	1087.9	1086.7	1085.4	1084.2	1083.7	1084.1	1084.4	1084.8	1085.1	1086.4	1087.6
177.5°	1088.9	1088.0	1086.9	1086.0	1085.5	1085.7	1085.8	1086.0	1086.1	1087.1	1088.0
180°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1309.2	1313.7	1315.9	1315.9	1318.4	1317.2	1316.2
5°	1384.4	1392.8	1394.6	1402.5	1408.2	1406.4	1407.3
7.5°	1459.2	1472.7	1485.9	1492.0	1493.0	1496.5	1497.8
10°	1505.3	1516.3	1537.0	1533.9	1549.2	1558.1	1543.5
12.5°	1549.6	1564.4	1578.7	1582.7	1591.5	1594.2	1588.5
15°	1589.7	1597.6	1598.4	1596.3	1598.9	1596.7	1588.4
17.5°	1552.2	1539.4	1513.4	1501.1	1491.3	1476.9	1471.1
20°	1490.3	1452.5	1408.6	1391.0	1370.4	1329.9	1339.6
22.5°	1356.8	1313.6	1269.7	1218.4	1193.9	1155.5	1153.2
25°	1148.8	1074.6	992.8	935.7	902.3	864.1	847.4
27.5°	893.2	799.7	732.7	698.8	668.0	637.7	636.4
30°	725.1	654.9	603.0	574.0	555.1	542.3	545.0
32.5°	611.2	563.1	528.1	504.0	490.1	480.4	480.3
35°	499.7	466.7	444.4	434.2	424.1	417.1	417.5
37.5°	427.7	407.9	395.4	384.2	377.9	374.4	372.6
40°	390.7	374.4	364.8	358.2	352.9	348.1	347.2
42.5°	361.5	348.1	338.4	333.2	328.3	324.9	324.0
45°	320.8	309.9	301.1	295.3	293.2	290.1	290.1
47.5°	285.4	274.6	267.8	264.2	260.4	258.3	258.2
50°	261.5	253.1	247.0	244.8	241.7	240.4	240.0
52.5°	240.0	233.8	229.5	227.9	226.6	224.9	225.2
55°	210.9	207.4	205.7	204.4	202.2	199.5	201.3
57.5°	186.4	183.5	178.7	174.6	172.5	170.7	171.4
60°	169.2	163.1	156.9	152.1	150.8	146.8	146.8
62.5°	147.4	138.8	131.2	128.5	127.2	125.4	125.0
65°	113.4	109.9	108.1	106.3	105.5	105.5	104.6
67.5°	93.9	92.6	90.7	90.1	89.3	89.0	88.8
70°	83.1	81.3	80.4	80.0	79.1	79.6	78.3
72.5°	72.5	71.1	70.9	69.8	69.2	69.3	68.4
75°	57.2	57.2	56.7	56.2	55.4	54.9	55.4
77.5°	43.9	44.0	43.2	43.1	43.0	43.1	42.7
80°	35.1	35.6	35.1	34.7	34.3	34.7	34.3
82.5°	27.8	27.1	27.0	26.9	26.9	26.6	26.5
85°	15.8	16.3	15.8	15.4	15.4	15.4	15.8
87.5°	9.6	9.8	9.9	10.0	10.1	10.2	9.9
90°	18.3	19.2	19.8	20.1	20.5	20.9	21.3
92.5°	19.6	20.1	20.4	20.6	20.8	21.0	21.3
95°	33.3	34.2	34.5	34.4	34.2	34.0	33.8
97.5°	43.1	43.8	44.3	44.5	44.7	44.9	45.1
100°	49.0	50.5	51.3	51.7	52.0	52.3	52.7
102.5°	51.6	53.4	54.5	55.0	55.4	56.0	56.5
105°	53.7	55.6	57.0	57.7	58.4	59.1	59.8
107.5°	61.3	59.3	58.7	59.4	60.1	60.8	61.5
110°	85.2	67.7	59.3	60.0	60.7	61.4	62.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	155.8	92.1	60.5	61.0	61.6	62.2	62.8
115°	242.5	161.5	114.8	102.2	89.6	77.1	64.5
117.5°	478.7	459.1	428.6	387.3	345.9	304.6	263.3
120°	582.7	584.8	574.0	550.4	526.8	503.3	479.7
122.5°	617.3	618.5	616.9	612.3	607.7	603.1	598.6
125°	668.1	669.3	670.2	670.7	671.2	671.8	672.4
127.5°	715.7	717.6	718.4	718.6	718.7	718.8	718.8
130°	745.7	747.6	748.6	748.4	748.1	748.0	747.8
132.5°	774.5	776.1	776.8	776.6	776.4	776.3	776.1
135°	816.0	817.7	818.4	818.0	817.7	817.3	817.0
137.5°	854.4	856.1	856.7	856.1	855.5	854.9	854.3
140°	879.2	880.7	881.1	880.2	879.3	878.5	877.5
142.5°	902.0	903.4	903.7	902.8	902.0	901.1	900.2
145°	933.9	935.1	935.3	934.4	933.6	932.7	931.9
147.5°	961.6	962.5	962.6	961.8	961.1	960.4	959.7
150°	979.0	980.1	980.2	979.3	978.4	977.5	976.6
152.5°	994.7	995.7	995.7	994.5	993.4	992.3	991.1
155°	1016.0	1017.0	1016.8	1015.5	1014.0	1012.6	1011.2
157.5°	1034.0	1035.2	1035.1	1033.7	1032.3	1031.0	1029.7
160°	1044.3	1045.3	1045.3	1044.0	1042.8	1041.6	1040.3
162.5°	1054.1	1055.3	1055.2	1053.7	1052.1	1050.7	1049.1
165°	1066.0	1067.2	1067.2	1066.0	1064.8	1063.6	1062.4
167.5°	1075.9	1077.2	1076.9	1075.4	1073.8	1072.3	1070.7
170°	1081.0	1082.2	1082.0	1080.5	1078.8	1077.3	1075.7
172.5°	1084.8	1086.0	1085.8	1084.2	1082.6	1081.1	1079.5
175°	1088.8	1090.0	1089.8	1088.0	1086.3	1084.5	1082.8
177.5°	1089.1	1090.0	1089.9	1088.6	1087.4	1086.1	1084.9
180°	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8	1086.8

(END OF REPORT)