

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: P331813-935

Luminaire Tested: **S122RDIW-S675D970U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331813-935  
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: S122RDIW-S675D970U935-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 970 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5520.8 lumens  
Efficiency: N/A  
Efficacy: 105.0 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

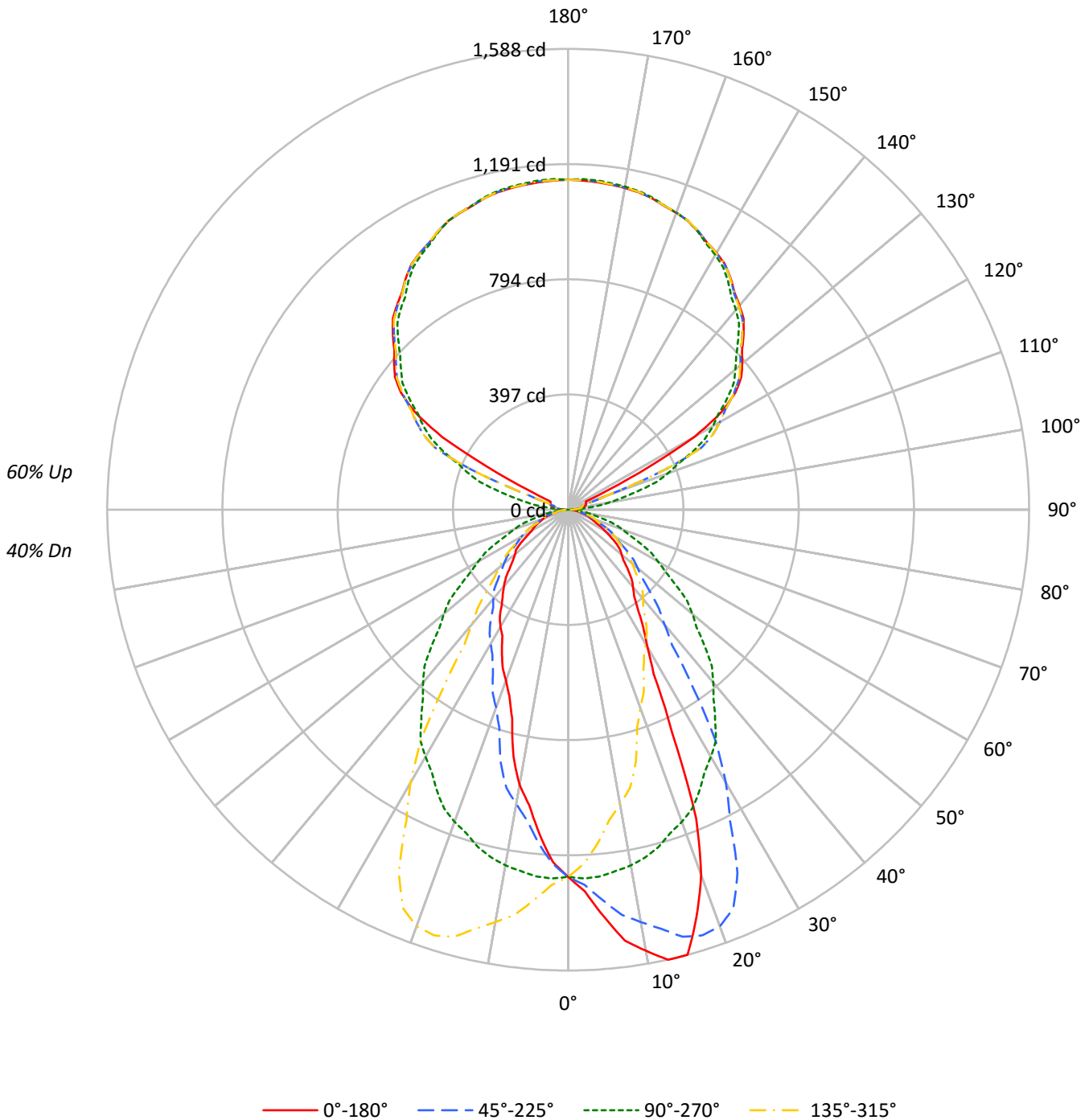
Input Watts (W): 52.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	105	105	105	105	95	95	95	95	78	78	78	61	61	61	47	47	47	40
1	96	92	88	85	87	84	81	78	69	67	65	55	54	52	42	41	40	35
2	88	81	75	71	80	74	69	65	61	58	55	49	47	45	38	36	35	30
3	81	72	65	60	73	66	60	55	54	50	47	44	41	39	34	32	31	26
4	74	64	57	51	67	59	52	47	49	44	40	40	36	34	31	29	27	23
5	68	57	50	44	62	53	46	41	44	39	35	36	32	30	28	26	24	21
6	63	52	44	39	57	48	41	36	40	35	31	33	29	26	26	23	22	19
7	58	47	39	34	53	43	37	32	36	31	28	30	26	24	24	21	19	17
8	54	43	35	30	50	39	33	28	33	28	25	28	24	21	22	20	18	15
9	51	39	32	27	46	36	30	26	31	26	22	25	22	19	21	18	16	14
10	47	36	29	25	43	33	27	23	28	24	20	24	20	18	19	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



TEST NUMBER: P331813-935

CATALOG NUMBER: S122RDIW-S675D970U935-4F0-1E-UDD-A

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.9	2.2
10°-20°	334.1	6.1
20°-30°	430.5	7.8
30°-40°	409.1	7.4
40°-50°	350.5	6.3
50°-60°	266.9	4.8
60°-70°	168.7	3.1
70°-80°	84.3	1.5
80°-90°	24.7	0.4
90°-100°	37.9	0.7
100°-110°	139.1	2.5
110°-120°	371.8	6.7
120°-130°	613.7	11.1
130°-140°	652.7	11.8
140°-150°	606.6	11.0
150°-160°	487.7	8.8
160°-170°	314.3	5.7
170°-180°	108.2	2.0
0°-30°	884.5	16.0
0°-40°	1293.7	23.4
0°-60°	1911.1	34.6
0°-90°	2188.8	39.6
90°-120°	548.8	9.9
90°-150°	2421.8	43.9
90°-180°	3332.0	60.4
0°-180°	5520.8	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°	22	1	22	1	22	11
95°	35	54	35	54	35	33
105°	62	250	62	250	62	65
115°	68	473	68	473	68	169
125°	703	669	703	669	703	609
135°	855	828	855	828	855	659
145°	975	960	975	960	975	610
155°	1058	1057	1058	1057	1058	488
165°	1112	1114	1112	1114	1112	314
175°	1133	1139	1133	1139	1133	108
180°	1137	1137	1137	1137	1137	



TEST NUMBER: P331813-935

CATALOG NUMBER: S122RDIW-S675D970U935-4F0-1E-UDD-A

**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°	10.1	10.3	10.2	10.2	10.2	10.0	9.8	10.0	9.5	9.6	9.0
90°	22.2	21.9	21.4	21.1	20.8	20.1	19.2	18.3	17.4	16.4	15.0
92.5°	22.2	22.0	21.8	21.5	21.4	21.0	20.5	20.1	19.5	19.1	18.3
95°	35.4	35.6	35.7	35.9	36.1	35.7	34.9	33.9	33.0	32.1	30.8
97.5°	47.2	47.0	46.8	46.6	46.3	45.9	45.1	44.4	43.7	43.0	40.0
100°	55.1	54.8	54.4	54.0	53.6	52.8	51.3	49.9	48.4	46.9	43.8
102.5°	59.1	58.5	58.0	57.5	57.0	55.8	53.9	52.0	50.1	48.2	44.2
105°	62.5	61.8	61.0	60.4	59.6	58.2	56.2	54.2	52.2	50.2	46.1
107.5°	64.3	63.6	62.9	62.2	61.4	62.1	64.1	66.1	68.2	70.3	74.2
110°	65.0	64.2	63.5	62.8	62.1	70.9	89.1	107.4	125.7	144.0	196.8



TEST NUMBER: P331813-935

CATALOG NUMBER: S122RDIW-S675D970U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	65.7	65.1	64.5	63.9	63.3	96.3	163.1	229.7	296.4	363.2	376.2
115°	67.5	80.6	93.8	106.9	120.1	169.0	253.7	338.3	422.9	507.6	503.1
117.5°	275.4	318.7	362.0	405.2	448.5	480.4	500.8	521.2	541.7	562.2	559.1
120°	501.9	526.5	551.2	575.9	600.5	611.8	609.6	607.4	605.3	603.0	599.8
122.5°	626.3	631.0	635.8	640.6	645.4	647.1	645.8	644.5	643.2	641.9	638.3
125°	703.4	702.8	702.3	701.8	701.2	700.3	699.0	697.8	696.5	695.2	691.7
127.5°	752.1	752.0	751.9	751.8	751.7	750.7	748.8	747.0	745.1	743.2	740.6
130°	782.4	782.6	782.7	782.9	783.2	782.2	780.2	778.2	776.2	774.2	772.1
132.5°	812.0	812.2	812.4	812.5	812.8	812.0	810.3	808.6	806.8	805.1	803.1
135°	854.8	855.1	855.5	855.9	856.3	855.5	853.7	851.9	850.1	848.3	846.5
137.5°	893.8	894.4	895.0	895.7	896.3	895.7	893.9	892.1	890.4	888.6	886.7
140°	918.2	919.0	920.0	920.9	921.8	921.4	919.8	918.2	916.5	914.9	912.8
142.5°	941.8	942.8	943.7	944.6	945.5	945.2	943.7	942.2	940.7	939.2	936.9
145°	974.9	975.9	976.7	977.7	978.6	978.4	977.1	975.9	974.6	973.3	970.2
147.5°	1004.0	1004.8	1005.6	1006.3	1007.1	1007.0	1006.1	1005.1	1004.2	1003.2	1000.1
150°	1021.8	1022.7	1023.6	1024.6	1025.5	1025.4	1024.2	1023.2	1022.1	1021.0	1018.0
152.5°	1037.0	1038.2	1039.4	1040.6	1041.8	1041.8	1040.7	1039.7	1038.5	1037.4	1034.7
155°	1058.0	1059.5	1060.9	1062.4	1063.9	1064.0	1062.9	1061.9	1060.8	1059.6	1057.5
157.5°	1077.3	1078.7	1080.1	1081.5	1083.0	1083.1	1081.8	1080.6	1079.3	1078.1	1076.5
160°	1088.5	1089.8	1091.0	1092.3	1093.6	1093.6	1092.5	1091.5	1090.4	1089.3	1088.2
162.5°	1097.7	1099.2	1100.8	1102.3	1104.0	1104.1	1102.9	1101.6	1100.4	1099.2	1098.2
165°	1111.5	1112.8	1114.0	1115.3	1116.6	1116.6	1115.3	1114.0	1112.8	1111.5	1110.9
167.5°	1120.2	1121.9	1123.5	1125.2	1126.8	1127.0	1125.7	1124.4	1123.1	1121.9	1121.4
170°	1125.5	1127.1	1128.8	1130.4	1132.0	1132.2	1130.9	1129.7	1128.4	1127.1	1126.8
172.5°	1129.5	1131.1	1132.7	1134.4	1136.0	1136.2	1134.9	1133.6	1132.4	1131.1	1130.7
175°	1132.9	1134.7	1136.5	1138.3	1140.2	1140.5	1139.2	1137.9	1136.6	1135.3	1135.0
177.5°	1135.1	1136.3	1137.6	1138.9	1140.3	1140.4	1139.4	1138.4	1137.4	1136.3	1136.2
180°	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0



TEST NUMBER: P331813-935

CATALOG NUMBER: S122RDIW-S675D970U935-4F0-1E-UDD-A

**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°	8.7	8.8	8.4	7.7	7.7	7.7	9.0	10.3	9.4	8.7	8.4
90°	13.5	12.1	10.6	8.9	6.9	4.8	2.8	0.9	2.8	4.8	6.9
92.5°	17.7	16.9	16.2	15.9	16.1	16.3	16.4	16.6	16.4	16.3	16.1
95°	29.5	28.2	26.9	29.4	35.4	41.4	47.4	53.5	47.4	41.4	35.4
97.5°	37.0	34.1	31.1	38.1	55.1	72.2	89.1	106.2	89.1	72.2	55.1
100°	40.6	37.5	34.4	45.5	70.5	95.5	120.5	145.6	120.5	95.5	70.5
102.5°	100.2	126.2	152.2	167.8	173.1	178.5	183.7	189.1	183.7	178.5	173.1
105°	150.0	199.9	249.9	272.1	266.6	261.1	255.6	250.1	255.6	261.1	266.6
107.5°	189.9	249.9	309.7	337.4	332.9	328.6	324.2	319.7	324.2	328.6	332.9
110°	249.7	302.5	355.3	379.8	376.0	372.1	368.3	364.5	368.3	372.1	376.0





TEST NUMBER: P331813-935

CATALOG NUMBER: S122RDIW-S675D970U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	389.3	402.3	415.3	420.2	416.8	413.4	410.0	406.6	410.0	413.4	416.8
115°	498.4	493.9	489.3	485.5	482.4	479.3	476.1	473.0	476.1	479.3	482.4
117.5°	555.9	552.8	549.7	546.4	542.9	539.4	536.0	532.4	536.0	539.4	542.9
120°	596.5	593.1	589.9	586.9	584.1	581.3	578.7	575.9	578.7	581.3	584.1
122.5°	634.7	631.1	627.6	624.3	621.4	618.5	615.6	612.8	615.6	618.5	621.4
125°	688.3	684.8	681.3	678.4	676.0	673.6	671.2	668.8	671.2	673.6	676.0
127.5°	738.0	735.5	732.9	730.2	727.6	725.0	722.4	719.7	722.4	725.0	727.6
130°	770.2	768.1	766.1	763.6	760.7	757.9	754.9	752.0	754.9	757.9	760.7
132.5°	801.1	799.1	797.0	794.8	792.3	789.9	787.4	784.9	787.4	789.9	792.3
135°	844.9	843.3	841.6	839.4	836.5	833.5	830.6	827.7	830.6	833.5	836.5
137.5°	884.8	883.0	881.1	879.1	877.1	875.0	873.0	870.9	873.0	875.0	877.1
140°	910.9	908.8	906.8	905.1	903.6	902.2	900.7	899.2	900.7	902.2	903.6
142.5°	934.6	932.3	930.0	928.2	926.9	925.6	924.2	922.9	924.2	925.6	926.9
145°	967.1	964.0	960.9	959.4	959.6	959.8	959.9	960.1	959.9	959.8	959.6
147.5°	997.0	994.0	990.9	989.7	990.4	991.1	991.8	992.6	991.8	991.1	990.4
150°	1015.1	1012.2	1009.3	1008.5	1009.8	1011.0	1012.3	1013.6	1012.3	1011.0	1009.8
152.5°	1031.9	1029.1	1026.3	1025.6	1027.1	1028.5	1029.9	1031.4	1029.9	1028.5	1027.1
155°	1055.2	1053.1	1050.9	1050.6	1052.2	1053.9	1055.5	1057.2	1055.5	1053.9	1052.2
157.5°	1075.0	1073.5	1071.9	1071.9	1073.2	1074.6	1076.1	1077.5	1076.1	1074.6	1073.2
160°	1087.1	1086.0	1084.9	1084.9	1086.0	1087.1	1088.2	1089.3	1088.2	1087.1	1086.0
162.5°	1097.3	1096.3	1095.4	1095.5	1096.5	1097.6	1098.7	1099.8	1098.7	1097.6	1096.5
165°	1110.3	1109.8	1109.3	1109.6	1110.7	1111.7	1112.8	1114.0	1112.8	1111.7	1110.7
167.5°	1120.8	1120.3	1119.8	1120.1	1121.2	1122.3	1123.3	1124.5	1123.3	1122.3	1121.2
170°	1126.4	1126.0	1125.7	1126.0	1127.1	1128.3	1129.3	1130.4	1129.3	1128.3	1127.1
172.5°	1130.3	1130.0	1129.6	1130.0	1131.1	1132.1	1133.2	1134.4	1133.2	1132.1	1131.1
175°	1134.6	1134.3	1133.9	1134.4	1135.7	1136.9	1138.2	1139.4	1138.2	1136.9	1135.7
177.5°	1136.0	1135.9	1135.7	1136.2	1137.2	1138.2	1139.3	1140.3	1139.3	1138.2	1137.2
180°	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0



TEST NUMBER: P331813-935

CATALOG NUMBER: S122RDIW-S675D970U935-4F0-1E-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	8.0	8.4	8.6	8.5	8.8	8.6	8.8	9.0	8.7
90°	8.9	10.6	12.1	13.5	15.0	16.4	17.4	18.3	19.2	20.1	20.8
92.5°	15.9	16.2	16.9	17.7	18.3	19.1	19.5	20.1	20.5	21.0	21.4
95°	29.4	26.9	28.2	29.5	30.8	32.1	33.0	33.9	34.9	35.7	36.1
97.5°	38.1	31.1	34.1	37.0	40.0	43.0	43.7	44.4	45.1	45.9	46.3
100°	45.5	34.4	37.5	40.6	43.8	46.9	48.4	49.9	51.3	52.8	53.6
102.5°	167.8	152.2	126.2	100.2	74.2	48.2	50.1	52.0	53.9	55.8	57.0
105°	272.1	249.9	199.9	150.0	100.1	50.2	52.2	54.2	56.2	58.2	59.6
107.5°	337.4	309.7	249.9	189.9	130.1	70.3	68.2	66.1	64.1	62.1	61.4
110°	379.8	355.3	302.5	249.7	196.8	144.0	125.7	107.4	89.1	70.9	62.1



TEST NUMBER: P331813-935

CATALOG NUMBER: S122RDIW-S675D970U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	420.2	415.3	402.3	389.3	376.2	363.2	296.4	229.7	163.1	96.3	63.3
115°	485.5	489.3	493.9	498.4	503.1	507.6	422.9	338.3	253.7	169.0	120.1
117.5°	546.4	549.7	552.8	555.9	559.1	562.2	541.7	521.2	500.8	480.4	448.5
120°	586.9	589.9	593.1	596.5	599.8	603.0	605.3	607.4	609.6	611.8	600.5
122.5°	624.3	627.6	631.1	634.7	638.3	641.9	643.2	644.5	645.8	647.1	645.4
125°	678.4	681.3	684.8	688.3	691.7	695.2	696.5	697.8	699.0	700.3	701.2
127.5°	730.2	732.9	735.5	738.0	740.6	743.2	745.1	747.0	748.8	750.7	751.7
130°	763.6	766.1	768.1	770.2	772.1	774.2	776.2	778.2	780.2	782.2	783.2
132.5°	794.8	797.0	799.1	801.1	803.1	805.1	806.8	808.6	810.3	812.0	812.8
135°	839.4	841.6	843.3	844.9	846.5	848.3	850.1	851.9	853.7	855.5	856.3
137.5°	879.1	881.1	883.0	884.8	886.7	888.6	890.4	892.1	893.9	895.7	896.3
140°	905.1	906.8	908.8	910.9	912.8	914.9	916.5	918.2	919.8	921.4	921.8
142.5°	928.2	930.0	932.3	934.6	936.9	939.2	940.7	942.2	943.7	945.2	945.5
145°	959.4	960.9	964.0	967.1	970.2	973.3	974.6	975.9	977.1	978.4	978.6
147.5°	989.7	990.9	994.0	997.0	1000.1	1003.2	1004.2	1005.1	1006.1	1007.0	1007.1
150°	1008.5	1009.3	1012.2	1015.1	1018.0	1021.0	1022.1	1023.2	1024.2	1025.4	1025.5
152.5°	1025.6	1026.3	1029.1	1031.9	1034.7	1037.4	1038.5	1039.7	1040.7	1041.8	1041.8
155°	1050.6	1050.9	1053.1	1055.2	1057.5	1059.6	1060.8	1061.9	1062.9	1064.0	1063.9
157.5°	1071.9	1071.9	1073.5	1075.0	1076.5	1078.1	1079.3	1080.6	1081.8	1083.1	1083.0
160°	1084.9	1084.9	1086.0	1087.1	1088.2	1089.3	1090.4	1091.5	1092.5	1093.6	1093.6
162.5°	1095.5	1095.4	1096.3	1097.3	1098.2	1099.2	1100.4	1101.6	1102.9	1104.1	1104.0
165°	1109.6	1109.3	1109.8	1110.3	1110.9	1111.5	1112.8	1114.0	1115.3	1116.6	1116.6
167.5°	1120.1	1119.8	1120.3	1120.8	1121.4	1121.9	1123.1	1124.4	1125.7	1127.0	1126.8
170°	1126.0	1125.7	1126.0	1126.4	1126.8	1127.1	1128.4	1129.7	1130.9	1132.2	1132.0
172.5°	1130.0	1129.6	1130.0	1130.3	1130.7	1131.1	1132.4	1133.6	1134.9	1136.2	1136.0
175°	1134.4	1133.9	1134.3	1134.6	1135.0	1135.3	1136.6	1137.9	1139.2	1140.5	1140.2
177.5°	1136.2	1135.7	1135.9	1136.0	1136.2	1136.3	1137.4	1138.4	1139.4	1140.4	1140.3
180°	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0



TEST NUMBER: P331813-935

CATALOG NUMBER: S122RDIW-S675D970U935-4F0-1E-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°	8.8	8.5	9.0	8.7	9.0	8.5	8.8	8.7	9.0	8.8	8.6
90°	21.1	21.4	21.9	22.2	21.9	21.4	21.1	20.8	20.1	19.2	18.3
92.5°	21.5	21.8	22.0	22.2	22.0	21.8	21.5	21.4	21.0	20.5	20.1
95°	35.9	35.7	35.6	35.4	35.6	35.7	35.9	36.1	35.7	34.9	33.9
97.5°	46.6	46.8	47.0	47.2	47.0	46.8	46.6	46.3	45.9	45.1	44.4
100°	54.0	54.4	54.8	55.1	54.8	54.4	54.0	53.6	52.8	51.3	49.9
102.5°	57.5	58.0	58.5	59.1	58.5	58.0	57.5	57.0	55.8	53.9	52.0
105°	60.4	61.0	61.8	62.5	61.8	61.0	60.4	59.6	58.2	56.2	54.2
107.5°	62.2	62.9	63.6	64.3	63.6	62.9	62.2	61.4	62.1	64.1	66.1
110°	62.8	63.5	64.2	65.0	64.2	63.5	62.8	62.1	70.9	89.1	107.4



TEST NUMBER: P331813-935

CATALOG NUMBER: S122RDIW-S675D970U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	63.9	64.5	65.1	65.7	65.1	64.5	63.9	63.3	96.3	163.1	229.7
115°	106.9	93.8	80.6	67.5	80.6	93.8	106.9	120.1	169.0	253.7	338.3
117.5°	405.2	362.0	318.7	275.4	318.7	362.0	405.2	448.5	480.4	500.8	521.2
120°	575.9	551.2	526.5	501.9	526.5	551.2	575.9	600.5	611.8	609.6	607.4
122.5°	640.6	635.8	631.0	626.3	631.0	635.8	640.6	645.4	647.1	645.8	644.5
125°	701.8	702.3	702.8	703.4	702.8	702.3	701.8	701.2	700.3	699.0	697.8
127.5°	751.8	751.9	752.0	752.1	752.0	751.9	751.8	751.7	750.7	748.8	747.0
130°	782.9	782.7	782.6	782.4	782.6	782.7	782.9	783.2	782.2	780.2	778.2
132.5°	812.5	812.4	812.2	812.0	812.2	812.4	812.5	812.8	812.0	810.3	808.6
135°	855.9	855.5	855.1	854.8	855.1	855.5	855.9	856.3	855.5	853.7	851.9
137.5°	895.7	895.0	894.4	893.8	894.4	895.0	895.7	896.3	895.7	893.9	892.1
140°	920.9	920.0	919.0	918.2	919.0	920.0	920.9	921.8	921.4	919.8	918.2
142.5°	944.6	943.7	942.8	941.8	942.8	943.7	944.6	945.5	945.2	943.7	942.2
145°	977.7	976.7	975.9	974.9	975.9	976.7	977.7	978.6	978.4	977.1	975.9
147.5°	1006.3	1005.6	1004.8	1004.0	1004.8	1005.6	1006.3	1007.1	1007.0	1006.1	1005.1
150°	1024.6	1023.6	1022.7	1021.8	1022.7	1023.6	1024.6	1025.5	1025.4	1024.2	1023.2
152.5°	1040.6	1039.4	1038.2	1037.0	1038.2	1039.4	1040.6	1041.8	1041.8	1040.7	1039.7
155°	1062.4	1060.9	1059.5	1058.0	1059.5	1060.9	1062.4	1063.9	1064.0	1062.9	1061.9
157.5°	1081.5	1080.1	1078.7	1077.3	1078.7	1080.1	1081.5	1083.0	1083.1	1081.8	1080.6
160°	1092.3	1091.0	1089.8	1088.5	1089.8	1091.0	1092.3	1093.6	1093.6	1092.5	1091.5
162.5°	1102.3	1100.8	1099.2	1097.7	1099.2	1100.8	1102.3	1104.0	1104.1	1102.9	1101.6
165°	1115.3	1114.0	1112.8	1111.5	1112.8	1114.0	1115.3	1116.6	1116.6	1115.3	1114.0
167.5°	1125.2	1123.5	1121.9	1120.2	1121.9	1123.5	1125.2	1126.8	1127.0	1125.7	1124.4
170°	1130.4	1128.8	1127.1	1125.5	1127.1	1128.8	1130.4	1132.0	1132.2	1130.9	1129.7
172.5°	1134.4	1132.7	1131.1	1129.5	1131.1	1132.7	1134.4	1136.0	1136.2	1134.9	1133.6
175°	1138.3	1136.5	1134.7	1132.9	1134.7	1136.5	1138.3	1140.2	1140.5	1139.2	1137.9
177.5°	1138.9	1137.6	1136.3	1135.1	1136.3	1137.6	1138.9	1140.3	1140.4	1139.4	1138.4
180°	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0



TEST NUMBER: P331813-935

CATALOG NUMBER: S122RDIW-S675D970U935-4F0-1E-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°	8.8	8.5	8.6	8.4	8.0	8.4	8.4	8.4	8.7	9.4	10.3
90°	17.4	16.4	15.0	13.5	12.1	10.6	8.9	6.9	4.8	2.8	0.9
92.5°	19.5	19.1	18.3	17.7	16.9	16.2	15.9	16.1	16.3	16.4	16.6
95°	33.0	32.1	30.8	29.5	28.2	26.9	29.4	35.4	41.4	47.4	53.5
97.5°	43.7	43.0	40.0	37.0	34.1	31.1	38.1	55.1	72.2	89.1	106.2
100°	48.4	46.9	43.8	40.6	37.5	34.4	45.5	70.5	95.5	120.5	145.6
102.5°	50.1	48.2	74.2	100.2	126.2	152.2	167.8	173.1	178.5	183.7	189.1
105°	52.2	50.2	100.1	150.0	199.9	249.9	272.1	266.6	261.1	255.6	250.1
107.5°	68.2	70.3	130.1	189.9	249.9	309.7	337.4	332.9	328.6	324.2	319.7
110°	125.7	144.0	196.8	249.7	302.5	355.3	379.8	376.0	372.1	368.3	364.5



TEST NUMBER: P331813-935

CATALOG NUMBER: S122RDIW-S675D970U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	296.4	363.2	376.2	389.3	402.3	415.3	420.2	416.8	413.4	410.0	406.6
115°	422.9	507.6	503.1	498.4	493.9	489.3	485.5	482.4	479.3	476.1	473.0
117.5°	541.7	562.2	559.1	555.9	552.8	549.7	546.4	542.9	539.4	536.0	532.4
120°	605.3	603.0	599.8	596.5	593.1	589.9	586.9	584.1	581.3	578.7	575.9
122.5°	643.2	641.9	638.3	634.7	631.1	627.6	624.3	621.4	618.5	615.6	612.8
125°	696.5	695.2	691.7	688.3	684.8	681.3	678.4	676.0	673.6	671.2	668.8
127.5°	745.1	743.2	740.6	738.0	735.5	732.9	730.2	727.6	725.0	722.4	719.7
130°	776.2	774.2	772.1	770.2	768.1	766.1	763.6	760.7	757.9	754.9	752.0
132.5°	806.8	805.1	803.1	801.1	799.1	797.0	794.8	792.3	789.9	787.4	784.9
135°	850.1	848.3	846.5	844.9	843.3	841.6	839.4	836.5	833.5	830.6	827.7
137.5°	890.4	888.6	886.7	884.8	883.0	881.1	879.1	877.1	875.0	873.0	870.9
140°	916.5	914.9	912.8	910.9	908.8	906.8	905.1	903.6	902.2	900.7	899.2
142.5°	940.7	939.2	936.9	934.6	932.3	930.0	928.2	926.9	925.6	924.2	922.9
145°	974.6	973.3	970.2	967.1	964.0	960.9	959.4	959.6	959.8	959.9	960.1
147.5°	1004.2	1003.2	1000.1	997.0	994.0	990.9	989.7	990.4	991.1	991.8	992.6
150°	1022.1	1021.0	1018.0	1015.1	1012.2	1009.3	1008.5	1009.8	1011.0	1012.3	1013.6
152.5°	1038.5	1037.4	1034.7	1031.9	1029.1	1026.3	1025.6	1027.1	1028.5	1029.9	1031.4
155°	1060.8	1059.6	1057.5	1055.2	1053.1	1050.9	1050.6	1052.2	1053.9	1055.5	1057.2
157.5°	1079.3	1078.1	1076.5	1075.0	1073.5	1071.9	1071.9	1073.2	1074.6	1076.1	1077.5
160°	1090.4	1089.3	1088.2	1087.1	1086.0	1084.9	1084.9	1086.0	1087.1	1088.2	1089.3
162.5°	1100.4	1099.2	1098.2	1097.3	1096.3	1095.4	1095.5	1096.5	1097.6	1098.7	1099.8
165°	1112.8	1111.5	1110.9	1110.3	1109.8	1109.3	1109.6	1110.7	1111.7	1112.8	1114.0
167.5°	1123.1	1121.9	1121.4	1120.8	1120.3	1119.8	1120.1	1121.2	1122.3	1123.3	1124.5
170°	1128.4	1127.1	1126.8	1126.4	1126.0	1125.7	1126.0	1127.1	1128.3	1129.3	1130.4
172.5°	1132.4	1131.1	1130.7	1130.3	1130.0	1129.6	1130.0	1131.1	1132.1	1133.2	1134.4
175°	1136.6	1135.3	1135.0	1134.6	1134.3	1133.9	1134.4	1135.7	1136.9	1138.2	1139.4
177.5°	1137.4	1136.3	1136.2	1136.0	1135.9	1135.7	1136.2	1137.2	1138.2	1139.3	1140.3
180°	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0



TEST NUMBER: P331813-935

CATALOG NUMBER: S122RDIW-S675D970U935-4F0-1E-UDD-A

**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	7.7	7.7	7.7	8.4	8.8	8.7	9.0	9.6	9.5	10.0
90°	2.8	4.8	6.9	8.9	10.6	12.1	13.5	15.0	16.4	17.4	18.3
92.5°	16.4	16.3	16.1	15.9	16.2	16.9	17.7	18.3	19.1	19.5	20.1
95°	47.4	41.4	35.4	29.4	26.9	28.2	29.5	30.8	32.1	33.0	33.9
97.5°	89.1	72.2	55.1	38.1	31.1	34.1	37.0	40.0	43.0	43.7	44.4
100°	120.5	95.5	70.5	45.5	34.4	37.5	40.6	43.8	46.9	48.4	49.9
102.5°	183.7	178.5	173.1	167.8	152.2	126.2	100.2	74.2	48.2	50.1	52.0
105°	255.6	261.1	266.6	272.1	249.9	199.9	150.0	100.1	50.2	52.2	54.2
107.5°	324.2	328.6	332.9	337.4	309.7	249.9	189.9	130.1	70.3	68.2	66.1
110°	368.3	372.1	376.0	379.8	355.3	302.5	249.7	196.8	144.0	125.7	107.4





TEST NUMBER: P331813-935

CATALOG NUMBER: S122RDIW-S675D970U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	410.0	413.4	416.8	420.2	415.3	402.3	389.3	376.2	363.2	296.4	229.7
115°	476.1	479.3	482.4	485.5	489.3	493.9	498.4	503.1	507.6	422.9	338.3
117.5°	536.0	539.4	542.9	546.4	549.7	552.8	555.9	559.1	562.2	541.7	521.2
120°	578.7	581.3	584.1	586.9	589.9	593.1	596.5	599.8	603.0	605.3	607.4
122.5°	615.6	618.5	621.4	624.3	627.6	631.1	634.7	638.3	641.9	643.2	644.5
125°	671.2	673.6	676.0	678.4	681.3	684.8	688.3	691.7	695.2	696.5	697.8
127.5°	722.4	725.0	727.6	730.2	732.9	735.5	738.0	740.6	743.2	745.1	747.0
130°	754.9	757.9	760.7	763.6	766.1	768.1	770.2	772.1	774.2	776.2	778.2
132.5°	787.4	789.9	792.3	794.8	797.0	799.1	801.1	803.1	805.1	806.8	808.6
135°	830.6	833.5	836.5	839.4	841.6	843.3	844.9	846.5	848.3	850.1	851.9
137.5°	873.0	875.0	877.1	879.1	881.1	883.0	884.8	886.7	888.6	890.4	892.1
140°	900.7	902.2	903.6	905.1	906.8	908.8	910.9	912.8	914.9	916.5	918.2
142.5°	924.2	925.6	926.9	928.2	930.0	932.3	934.6	936.9	939.2	940.7	942.2
145°	959.9	959.8	959.6	959.4	960.9	964.0	967.1	970.2	973.3	974.6	975.9
147.5°	991.8	991.1	990.4	989.7	990.9	994.0	997.0	1000.1	1003.2	1004.2	1005.1
150°	1012.3	1011.0	1009.8	1008.5	1009.3	1012.2	1015.1	1018.0	1021.0	1022.1	1023.2
152.5°	1029.9	1028.5	1027.1	1025.6	1026.3	1029.1	1031.9	1034.7	1037.4	1038.5	1039.7
155°	1055.5	1053.9	1052.2	1050.6	1050.9	1053.1	1055.2	1057.5	1059.6	1060.8	1061.9
157.5°	1076.1	1074.6	1073.2	1071.9	1071.9	1073.5	1075.0	1076.5	1078.1	1079.3	1080.6
160°	1088.2	1087.1	1086.0	1084.9	1084.9	1086.0	1087.1	1088.2	1089.3	1090.4	1091.5
162.5°	1098.7	1097.6	1096.5	1095.5	1095.4	1096.3	1097.3	1098.2	1099.2	1100.4	1101.6
165°	1112.8	1111.7	1110.7	1109.6	1109.3	1109.8	1110.3	1110.9	1111.5	1112.8	1114.0
167.5°	1123.3	1122.3	1121.2	1120.1	1119.8	1120.3	1120.8	1121.4	1121.9	1123.1	1124.4
170°	1129.3	1128.3	1127.1	1126.0	1125.7	1126.0	1126.4	1126.8	1127.1	1128.4	1129.7
172.5°	1133.2	1132.1	1131.1	1130.0	1129.6	1130.0	1130.3	1130.7	1131.1	1132.4	1133.6
175°	1138.2	1136.9	1135.7	1134.4	1133.9	1134.3	1134.6	1135.0	1135.3	1136.6	1137.9
177.5°	1139.3	1138.2	1137.2	1136.2	1135.7	1135.9	1136.0	1136.2	1136.3	1137.4	1138.4
180°	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0



TEST NUMBER: P331813-935

CATALOG NUMBER: S122RDIW-S675D970U935-4F0-1E-UDD-A

**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°	9.8	10.0	10.2	10.2	10.2	10.3	10.1
90°	19.2	20.1	20.8	21.1	21.4	21.9	22.2
92.5°	20.5	21.0	21.4	21.5	21.8	22.0	22.2
95°	34.9	35.7	36.1	35.9	35.7	35.6	35.4
97.5°	45.1	45.9	46.3	46.6	46.8	47.0	47.2
100°	51.3	52.8	53.6	54.0	54.4	54.8	55.1
102.5°	53.9	55.8	57.0	57.5	58.0	58.5	59.1
105°	56.2	58.2	59.6	60.4	61.0	61.8	62.5
107.5°	64.1	62.1	61.4	62.2	62.9	63.6	64.3
110°	89.1	70.9	62.1	62.8	63.5	64.2	65.0



TEST NUMBER: P331813-935

CATALOG NUMBER: S122RDIW-S675D970U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	163.1	96.3	63.3	63.9	64.5	65.1	65.7
115°	253.7	169.0	120.1	106.9	93.8	80.6	67.5
117.5°	500.8	480.4	448.5	405.2	362.0	318.7	275.4
120°	609.6	611.8	600.5	575.9	551.2	526.5	501.9
122.5°	645.8	647.1	645.4	640.6	635.8	631.0	626.3
125°	699.0	700.3	701.2	701.8	702.3	702.8	703.4
127.5°	748.8	750.7	751.7	751.8	751.9	752.0	752.1
130°	780.2	782.2	783.2	782.9	782.7	782.6	782.4
132.5°	810.3	812.0	812.8	812.5	812.4	812.2	812.0
135°	853.7	855.5	856.3	855.9	855.5	855.1	854.8
137.5°	893.9	895.7	896.3	895.7	895.0	894.4	893.8
140°	919.8	921.4	921.8	920.9	920.0	919.0	918.2
142.5°	943.7	945.2	945.5	944.6	943.7	942.8	941.8
145°	977.1	978.4	978.6	977.7	976.7	975.9	974.9
147.5°	1006.1	1007.0	1007.1	1006.3	1005.6	1004.8	1004.0
150°	1024.2	1025.4	1025.5	1024.6	1023.6	1022.7	1021.8
152.5°	1040.7	1041.8	1041.8	1040.6	1039.4	1038.2	1037.0
155°	1062.9	1064.0	1063.9	1062.4	1060.9	1059.5	1058.0
157.5°	1081.8	1083.1	1083.0	1081.5	1080.1	1078.7	1077.3
160°	1092.5	1093.6	1093.6	1092.3	1091.0	1089.8	1088.5
162.5°	1102.9	1104.1	1104.0	1102.3	1100.8	1099.2	1097.7
165°	1115.3	1116.6	1116.6	1115.3	1114.0	1112.8	1111.5
167.5°	1125.7	1127.0	1126.8	1125.2	1123.5	1121.9	1120.2
170°	1130.9	1132.2	1132.0	1130.4	1128.8	1127.1	1125.5
172.5°	1134.9	1136.2	1136.0	1134.4	1132.7	1131.1	1129.5
175°	1139.2	1140.5	1140.2	1138.3	1136.5	1134.7	1132.9
177.5°	1139.4	1140.4	1140.3	1138.9	1137.6	1136.3	1135.1
180°	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0	1137.0

(END OF REPORT)