

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: P331817-935

Luminaire Tested: **S122RDIW-S675D1240U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331817-935
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-S675D1240U935-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 675 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: 6455.2 lumens
Efficiency: N/A
Efficacy: 105.1 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

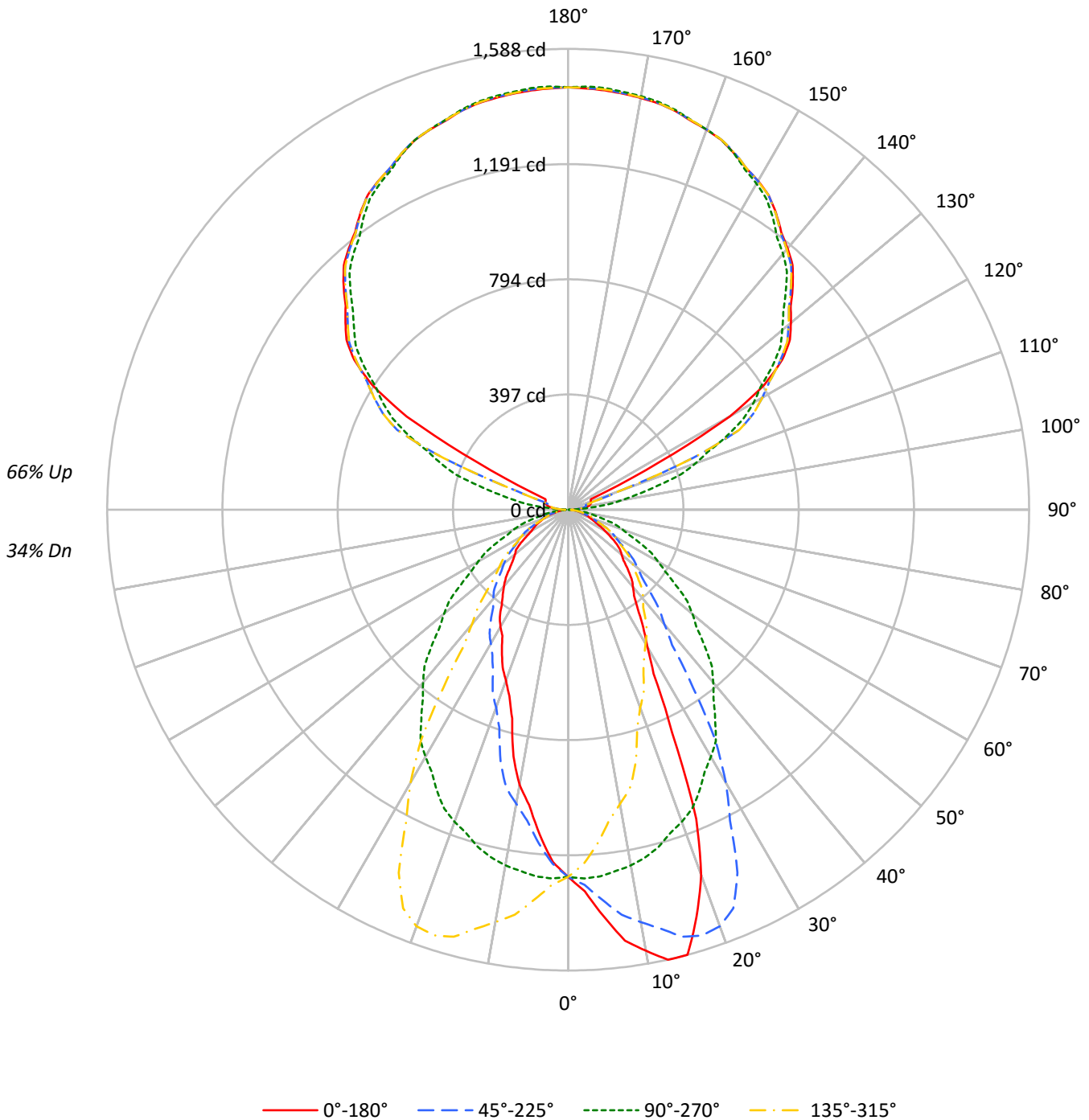
Input Watts (W): 61.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



66% Up

34% Dn



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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	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34																												
1	95	91	87	84	85	82	79	76	66	64	62	51	50	49	37	37	36	30																												
2	87	80	74	69	78	72	68	63	58	55	52	45	43	41	33	32	31	26																												
3	79	71	64	58	72	64	58	54	52	48	44	41	38	36	30	29	27	22																												
4	73	63	55	50	66	57	51	46	46	42	38	37	34	31	27	25	24	20																												
5	67	56	49	43	60	51	45	40	42	37	33	33	30	27	25	23	21	18																												
6	62	51	43	37	56	46	40	35	38	33	29	30	27	24	23	21	19	16																												
7	57	46	38	33	52	42	35	31	34	30	26	28	24	22	21	19	17	14																												
8	53	42	34	29	48	38	32	27	32	27	23	25	22	19	20	17	16	13																												
9	50	38	31	26	45	35	29	24	29	24	21	23	20	18	18	16	14	12																												
10	46	35	28	24	42	32	26	22	27	22	19	22	18	16	17	15	13	11																												

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	1.9
10°-20°	334.1	5.2
20°-30°	430.5	6.7
30°-40°	409.1	6.3
40°-50°	350.5	5.4
50°-60°	266.9	4.1
60°-70°	168.7	2.6
70°-80°	84.3	1.3
80°-90°	25.5	0.4
90°-100°	48.6	0.8
100°-110°	178.1	2.8
110°-120°	476.0	7.4
120°-130°	785.7	12.2
130°-140°	835.5	12.9
140°-150°	776.6	12.0
150°-160°	624.4	9.7
160°-170°	402.3	6.2
170°-180°	138.5	2.1
0°-30°	884.5	13.7
0°-40°	1293.7	20.0
0°-60°	1911.1	29.6
0°-90°	2189.6	33.9
90°-120°	702.6	10.9
90°-150°	3100.4	48.0
90°-180°	4266.0	66.1
0°-180°	6455.2	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°	28	1	28	1	28	13
95°	45	68	45	68	45	42
105°	80	320	80	320	80	83
115°	86	606	86	606	86	216
125°	900	856	900	856	900	779
135°	1094	1060	1094	1060	1094	843
145°	1248	1229	1248	1229	1248	781
155°	1354	1353	1354	1353	1354	625
165°	1423	1426	1423	1426	1423	402
175°	1450	1459	1450	1459	1450	138
180°	1456	1456	1456	1456	1456	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	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°	11.3	11.5	11.5	11.4	11.3	11.1	10.9	11.0	10.4	10.5	9.8
90°	28.4	28.0	27.5	27.0	26.6	25.7	24.5	23.4	22.2	21.1	19.2
92.5°	28.4	28.2	27.9	27.6	27.3	26.9	26.3	25.7	25.1	24.5	23.5
95°	45.3	45.5	45.7	46.0	46.2	45.7	44.6	43.4	42.3	41.1	39.4
97.5°	60.4	60.2	59.9	59.6	59.3	58.7	57.8	56.8	55.9	55.0	51.2
100°	70.6	70.1	69.7	69.1	68.7	67.5	65.6	63.8	61.9	60.0	56.1
102.5°	75.6	75.0	74.3	73.6	73.0	71.5	69.1	66.6	64.1	61.7	59.0
105°	80.1	79.1	78.2	77.2	76.3	74.6	72.0	69.4	66.8	64.2	61.1
107.5°	82.4	81.5	80.5	79.6	78.6	79.5	82.1	84.7	87.3	90.0	92.1
110°	83.2	82.3	81.4	80.4	79.5	90.7	114.1	137.5	160.9	184.3	251.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	84.0	83.3	82.6	81.8	81.0	123.4	208.8	294.1	379.5	464.9	481.6
115°	86.4	103.2	120.1	136.9	153.8	216.4	324.8	433.1	541.5	649.9	644.0
117.5°	352.6	408.0	463.4	518.8	574.1	614.9	641.1	667.4	693.5	719.8	715.7
120°	642.5	674.1	705.7	737.3	768.9	783.3	780.4	777.7	774.8	772.0	767.8
122.5°	801.7	807.9	814.0	820.1	826.2	828.5	826.8	825.1	823.4	821.7	817.2
125°	900.5	899.8	899.1	898.4	897.7	896.6	894.9	893.3	891.7	890.0	885.5
127.5°	962.9	962.7	962.6	962.4	962.3	961.0	958.6	956.2	953.9	951.5	948.1
130°	1001.6	1001.9	1002.1	1002.3	1002.5	1001.3	998.8	996.3	993.7	991.1	988.5
132.5°	1039.6	1039.7	1040.0	1040.3	1040.4	1039.5	1037.2	1035.1	1032.9	1030.7	1028.1
135°	1094.3	1094.8	1095.3	1095.7	1096.1	1095.3	1092.9	1090.5	1088.2	1085.9	1083.7
137.5°	1144.2	1145.0	1145.8	1146.6	1147.4	1146.7	1144.4	1142.0	1139.8	1137.5	1135.1
140°	1175.4	1176.6	1177.8	1178.9	1180.1	1179.7	1177.5	1175.4	1173.3	1171.2	1168.6
142.5°	1205.7	1206.9	1208.1	1209.3	1210.4	1210.0	1208.2	1206.2	1204.3	1202.4	1199.4
145°	1248.1	1249.2	1250.4	1251.5	1252.8	1252.5	1250.9	1249.2	1247.6	1246.0	1242.0
147.5°	1285.4	1286.3	1287.3	1288.3	1289.3	1289.2	1288.0	1286.8	1285.6	1284.3	1280.4
150°	1308.1	1309.2	1310.4	1311.6	1312.8	1312.7	1311.3	1309.8	1308.5	1307.1	1303.3
152.5°	1327.5	1329.0	1330.6	1332.1	1333.7	1333.8	1332.3	1330.9	1329.6	1328.1	1324.6
155°	1354.4	1356.3	1358.2	1360.0	1361.9	1362.2	1360.8	1359.3	1358.0	1356.6	1353.8
157.5°	1379.1	1381.0	1382.8	1384.6	1386.4	1386.6	1384.9	1383.4	1381.7	1380.2	1378.2
160°	1393.4	1395.1	1396.7	1398.4	1400.0	1400.1	1398.7	1397.3	1395.9	1394.5	1393.1
162.5°	1405.2	1407.2	1409.2	1411.3	1413.2	1413.5	1411.9	1410.3	1408.7	1407.1	1405.9
165°	1422.9	1424.5	1426.2	1427.8	1429.4	1429.4	1427.8	1426.2	1424.5	1422.9	1422.2
167.5°	1434.1	1436.1	1438.3	1440.4	1442.5	1442.7	1441.1	1439.4	1437.8	1436.1	1435.5
170°	1440.8	1442.9	1445.0	1447.2	1449.2	1449.5	1447.9	1446.2	1444.6	1442.9	1442.4
172.5°	1445.9	1447.9	1450.1	1452.2	1454.3	1454.5	1452.9	1451.2	1449.6	1447.9	1447.5
175°	1450.3	1452.6	1455.0	1457.3	1459.7	1460.0	1458.4	1456.7	1455.1	1453.5	1453.0
177.5°	1453.0	1454.7	1456.4	1458.1	1459.7	1460.0	1458.6	1457.3	1456.0	1454.7	1454.5
180°	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5



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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°	9.5	9.4	9.0	8.3	8.1	7.9	9.1	10.4	9.6	9.0	8.8
90°	17.3	15.4	13.6	11.4	8.8	6.2	3.6	1.0	3.6	6.2	8.8
92.5°	22.6	21.6	20.7	20.3	20.6	20.8	21.0	21.3	21.0	20.8	20.6
95°	37.8	36.2	34.5	37.5	45.3	53.0	60.7	68.4	60.7	53.0	45.3
97.5°	47.4	43.6	39.8	48.8	70.6	92.3	114.1	135.9	114.1	92.3	70.6
100°	52.1	48.1	44.1	58.2	90.2	122.3	154.4	186.4	154.4	122.3	90.2
102.5°	128.3	161.5	194.8	214.9	221.7	228.4	235.2	242.0	235.2	228.4	221.7
105°	192.0	256.0	319.9	348.3	341.2	334.2	327.2	320.2	327.2	334.2	341.2
107.5°	243.2	319.9	396.5	432.0	426.3	420.6	414.9	409.3	414.9	420.6	426.3
110°	319.6	387.3	454.9	486.2	481.3	476.4	471.5	466.6	471.5	476.4	481.3



TEST NUMBER: P331817-935

CATALOG NUMBER: S122RDIW-S675D1240U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	498.3	515.1	531.8	538.0	533.6	529.2	524.9	520.5	524.9	529.2	533.6
115°	638.2	632.3	626.5	621.6	617.5	613.5	609.6	605.6	609.6	613.5	617.5
117.5°	711.7	707.7	703.7	699.5	695.0	690.5	686.1	681.7	686.1	690.5	695.0
120°	763.6	759.4	755.2	751.3	747.8	744.2	740.8	737.3	740.8	744.2	747.8
122.5°	812.5	808.0	803.4	799.3	795.6	791.9	788.2	784.5	788.2	791.9	795.6
125°	881.1	876.7	872.2	868.4	865.4	862.4	859.3	856.3	859.3	862.4	865.4
127.5°	944.9	941.5	938.2	934.9	931.5	928.1	924.7	921.4	924.7	928.1	931.5
130°	985.9	983.3	980.8	977.7	973.9	970.2	966.4	962.7	966.4	970.2	973.9
132.5°	1025.5	1023.0	1020.4	1017.5	1014.3	1011.2	1008.0	1004.8	1008.0	1011.2	1014.3
135°	1081.7	1079.5	1077.5	1074.5	1070.7	1067.0	1063.2	1059.5	1063.2	1067.0	1070.7
137.5°	1132.7	1130.3	1127.9	1125.4	1122.8	1120.2	1117.6	1114.9	1117.6	1120.2	1122.8
140°	1166.1	1163.5	1160.9	1158.6	1156.8	1154.9	1153.1	1151.2	1153.1	1154.9	1156.8
142.5°	1196.4	1193.5	1190.6	1188.3	1186.5	1184.9	1183.2	1181.6	1183.2	1184.9	1186.5
145°	1238.0	1234.1	1230.0	1228.2	1228.4	1228.6	1228.9	1229.1	1228.9	1228.6	1228.4
147.5°	1276.4	1272.5	1268.6	1267.0	1267.9	1268.9	1269.7	1270.6	1269.7	1268.9	1267.9
150°	1299.6	1295.8	1292.1	1291.0	1292.6	1294.3	1296.0	1297.6	1296.0	1294.3	1292.6
152.5°	1321.0	1317.4	1313.9	1313.0	1314.8	1316.6	1318.5	1320.3	1318.5	1316.6	1314.8
155°	1350.9	1348.2	1345.3	1345.0	1347.0	1349.2	1351.3	1353.4	1351.3	1349.2	1347.0
157.5°	1376.2	1374.2	1372.3	1372.2	1374.0	1375.7	1377.5	1379.3	1377.5	1375.7	1374.0
160°	1391.6	1390.3	1388.9	1388.9	1390.3	1391.6	1393.1	1394.5	1393.1	1391.6	1390.3
162.5°	1404.6	1403.4	1402.2	1402.3	1403.8	1405.2	1406.5	1408.0	1406.5	1405.2	1403.8
165°	1421.5	1420.8	1420.1	1420.5	1421.9	1423.2	1424.7	1426.1	1424.7	1423.2	1421.9
167.5°	1434.9	1434.3	1433.6	1433.9	1435.4	1436.8	1438.1	1439.6	1438.1	1436.8	1435.4
170°	1442.0	1441.5	1441.1	1441.5	1442.9	1444.3	1445.7	1447.2	1445.7	1444.3	1442.9
172.5°	1447.0	1446.6	1446.1	1446.6	1447.9	1449.4	1450.8	1452.2	1450.8	1449.4	1447.9
175°	1452.5	1452.1	1451.6	1452.2	1453.8	1455.4	1457.1	1458.7	1457.1	1455.4	1453.8
177.5°	1454.3	1454.1	1454.0	1454.5	1455.9	1457.2	1458.4	1459.7	1458.4	1457.2	1455.9
180°	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5



TEST NUMBER: P331817-935

CATALOG NUMBER: S122RDIW-S675D1240U935-4F0-1E-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°	9.0	9.0	8.7	9.1	9.5	9.5	9.7	9.6	9.8	10.1	9.9
90°	11.4	13.6	15.4	17.3	19.2	21.1	22.2	23.4	24.5	25.7	26.6
92.5°	20.3	20.7	21.6	22.6	23.5	24.5	25.1	25.7	26.3	26.9	27.3
95°	37.5	34.5	36.2	37.8	39.4	41.1	42.3	43.4	44.6	45.7	46.2
97.5°	48.8	39.8	43.6	47.4	51.2	55.0	55.9	56.8	57.8	58.7	59.3
100°	58.2	44.1	48.1	52.1	56.1	60.0	61.9	63.8	65.6	67.5	68.7
102.5°	214.9	194.8	161.5	128.3	95.0	61.7	64.1	66.6	69.1	71.5	73.0
105°	348.3	319.9	256.0	192.0	128.1	64.2	66.8	69.4	72.0	74.6	76.3
107.5°	432.0	396.5	319.9	243.2	166.6	90.0	87.3	84.7	82.1	79.5	78.6
110°	486.2	454.9	387.3	319.6	251.9	184.3	160.9	137.5	114.1	90.7	79.5



TEST NUMBER: P331817-935

CATALOG NUMBER: S122RDIW-S675D1240U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	538.0	531.8	515.1	498.3	481.6	464.9	379.5	294.1	208.8	123.4	81.0
115°	621.6	626.5	632.3	638.2	644.0	649.9	541.5	433.1	324.8	216.4	153.8
117.5°	699.5	703.7	707.7	711.7	715.7	719.8	693.5	667.4	641.1	614.9	574.1
120°	751.3	755.2	759.4	763.6	767.8	772.0	774.8	777.7	780.4	783.3	768.9
122.5°	799.3	803.4	808.0	812.5	817.2	821.7	823.4	825.1	826.8	828.5	826.2
125°	868.4	872.2	876.7	881.1	885.5	890.0	891.7	893.3	894.9	896.6	897.7
127.5°	934.9	938.2	941.5	944.9	948.1	951.5	953.9	956.2	958.6	961.0	962.3
130°	977.7	980.8	983.3	985.9	988.5	991.1	993.7	996.3	998.8	1001.3	1002.5
132.5°	1017.5	1020.4	1023.0	1025.5	1028.1	1030.7	1032.9	1035.1	1037.2	1039.5	1040.4
135°	1074.5	1077.5	1079.5	1081.7	1083.7	1085.9	1088.2	1090.5	1092.9	1095.3	1096.1
137.5°	1125.4	1127.9	1130.3	1132.7	1135.1	1137.5	1139.8	1142.0	1144.4	1146.7	1147.4
140°	1158.6	1160.9	1163.5	1166.1	1168.6	1171.2	1173.3	1175.4	1177.5	1179.7	1180.1
142.5°	1188.3	1190.6	1193.5	1196.4	1199.4	1202.4	1204.3	1206.2	1208.2	1210.0	1210.4
145°	1228.2	1230.0	1234.1	1238.0	1242.0	1246.0	1247.6	1249.2	1250.9	1252.5	1252.8
147.5°	1267.0	1268.6	1272.5	1276.4	1280.4	1284.3	1285.6	1286.8	1288.0	1289.2	1289.3
150°	1291.0	1292.1	1295.8	1299.6	1303.3	1307.1	1308.5	1309.8	1311.3	1312.7	1312.8
152.5°	1313.0	1313.9	1317.4	1321.0	1324.6	1328.1	1329.6	1330.9	1332.3	1333.8	1333.7
155°	1345.0	1345.3	1348.2	1350.9	1353.8	1356.6	1358.0	1359.3	1360.8	1362.2	1361.9
157.5°	1372.2	1372.3	1374.2	1376.2	1378.2	1380.2	1381.7	1383.4	1384.9	1386.6	1386.4
160°	1388.9	1388.9	1390.3	1391.6	1393.1	1394.5	1395.9	1397.3	1398.7	1400.1	1400.0
162.5°	1402.3	1402.2	1403.4	1404.6	1405.9	1407.1	1408.7	1410.3	1411.9	1413.5	1413.2
165°	1420.5	1420.1	1420.8	1421.5	1422.2	1422.9	1424.5	1426.2	1427.8	1429.4	1429.4
167.5°	1433.9	1433.6	1434.3	1434.9	1435.5	1436.1	1437.8	1439.4	1441.1	1442.7	1442.5
170°	1441.5	1441.1	1441.5	1442.0	1442.4	1442.9	1444.6	1446.2	1447.9	1449.5	1449.2
172.5°	1446.6	1446.1	1446.6	1447.0	1447.5	1447.9	1449.6	1451.2	1452.9	1454.5	1454.3
175°	1452.2	1451.6	1452.1	1452.5	1453.0	1453.5	1455.1	1456.7	1458.4	1460.0	1459.7
177.5°	1454.5	1454.0	1454.1	1454.3	1454.5	1454.7	1456.0	1457.3	1458.6	1460.0	1459.7
180°	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5



TEST NUMBER: P331817-935

CATALOG NUMBER: S122RDIW-S675D1240U935-4F0-1E-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°	10.0	9.7	10.2	9.9	10.2	9.7	10.0	9.9	10.1	9.8	9.6
90°	27.0	27.5	28.0	28.4	28.0	27.5	27.0	26.6	25.7	24.5	23.4
92.5°	27.6	27.9	28.2	28.4	28.2	27.9	27.6	27.3	26.9	26.3	25.7
95°	46.0	45.7	45.5	45.3	45.5	45.7	46.0	46.2	45.7	44.6	43.4
97.5°	59.6	59.9	60.2	60.4	60.2	59.9	59.6	59.3	58.7	57.8	56.8
100°	69.1	69.7	70.1	70.6	70.1	69.7	69.1	68.7	67.5	65.6	63.8
102.5°	73.6	74.3	75.0	75.6	75.0	74.3	73.6	73.0	71.5	69.1	66.6
105°	77.2	78.2	79.1	80.1	79.1	78.2	77.2	76.3	74.6	72.0	69.4
107.5°	79.6	80.5	81.5	82.4	81.5	80.5	79.6	78.6	79.5	82.1	84.7
110°	80.4	81.4	82.3	83.2	82.3	81.4	80.4	79.5	90.7	114.1	137.5



TEST NUMBER: P331817-935

CATALOG NUMBER: S122RDIW-S675D1240U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	81.8	82.6	83.3	84.0	83.3	82.6	81.8	81.0	123.4	208.8	294.1
115°	136.9	120.1	103.2	86.4	103.2	120.1	136.9	153.8	216.4	324.8	433.1
117.5°	518.8	463.4	408.0	352.6	408.0	463.4	518.8	574.1	614.9	641.1	667.4
120°	737.3	705.7	674.1	642.5	674.1	705.7	737.3	768.9	783.3	780.4	777.7
122.5°	820.1	814.0	807.9	801.7	807.9	814.0	820.1	826.2	828.5	826.8	825.1
125°	898.4	899.1	899.8	900.5	899.8	899.1	898.4	897.7	896.6	894.9	893.3
127.5°	962.4	962.6	962.7	962.9	962.7	962.6	962.4	962.3	961.0	958.6	956.2
130°	1002.3	1002.1	1001.9	1001.6	1001.9	1002.1	1002.3	1002.5	1001.3	998.8	996.3
132.5°	1040.3	1040.0	1039.7	1039.6	1039.7	1040.0	1040.3	1040.4	1039.5	1037.2	1035.1
135°	1095.7	1095.3	1094.8	1094.3	1094.8	1095.3	1095.7	1096.1	1095.3	1092.9	1090.5
137.5°	1146.6	1145.8	1145.0	1144.2	1145.0	1145.8	1146.6	1147.4	1146.7	1144.4	1142.0
140°	1178.9	1177.8	1176.6	1175.4	1176.6	1177.8	1178.9	1180.1	1179.7	1177.5	1175.4
142.5°	1209.3	1208.1	1206.9	1205.7	1206.9	1208.1	1209.3	1210.4	1210.0	1208.2	1206.2
145°	1251.5	1250.4	1249.2	1248.1	1249.2	1250.4	1251.5	1252.8	1252.5	1250.9	1249.2
147.5°	1288.3	1287.3	1286.3	1285.4	1286.3	1287.3	1288.3	1289.3	1289.2	1288.0	1286.8
150°	1311.6	1310.4	1309.2	1308.1	1309.2	1310.4	1311.6	1312.8	1312.7	1311.3	1309.8
152.5°	1332.1	1330.6	1329.0	1327.5	1329.0	1330.6	1332.1	1333.7	1333.8	1332.3	1330.9
155°	1360.0	1358.2	1356.3	1354.4	1356.3	1358.2	1360.0	1361.9	1362.2	1360.8	1359.3
157.5°	1384.6	1382.8	1381.0	1379.1	1381.0	1382.8	1384.6	1386.4	1386.6	1384.9	1383.4
160°	1398.4	1396.7	1395.1	1393.4	1395.1	1396.7	1398.4	1400.0	1400.1	1398.7	1397.3
162.5°	1411.3	1409.2	1407.2	1405.2	1407.2	1409.2	1411.3	1413.2	1413.5	1411.9	1410.3
165°	1427.8	1426.2	1424.5	1422.9	1424.5	1426.2	1427.8	1429.4	1429.4	1427.8	1426.2
167.5°	1440.4	1438.3	1436.1	1434.1	1436.1	1438.3	1440.4	1442.5	1442.7	1441.1	1439.4
170°	1447.2	1445.0	1442.9	1440.8	1442.9	1445.0	1447.2	1449.2	1449.5	1447.9	1446.2
172.5°	1452.2	1450.1	1447.9	1445.9	1447.9	1450.1	1452.2	1454.3	1454.5	1452.9	1451.2
175°	1457.3	1455.0	1452.6	1450.3	1452.6	1455.0	1457.3	1459.7	1460.0	1458.4	1456.7
177.5°	1458.1	1456.4	1454.7	1453.0	1454.7	1456.4	1458.1	1459.7	1460.0	1458.6	1457.3
180°	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5



TEST NUMBER: P331817-935

CATALOG NUMBER: S122RDIW-S675D1240U935-4F0-1E-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°	9.7	9.5	9.5	9.1	8.7	9.0	9.0	8.8	9.0	9.6	10.4
90°	22.2	21.1	19.2	17.3	15.4	13.6	11.4	8.8	6.2	3.6	1.0
92.5°	25.1	24.5	23.5	22.6	21.6	20.7	20.3	20.6	20.8	21.0	21.3
95°	42.3	41.1	39.4	37.8	36.2	34.5	37.5	45.3	53.0	60.7	68.4
97.5°	55.9	55.0	51.2	47.4	43.6	39.8	48.8	70.6	92.3	114.1	135.9
100°	61.9	60.0	56.1	52.1	48.1	44.1	58.2	90.2	122.3	154.4	186.4
102.5°	64.1	61.7	95.0	128.3	161.5	194.8	214.9	221.7	228.4	235.2	242.0
105°	66.8	64.2	128.1	192.0	256.0	319.9	348.3	341.2	334.2	327.2	320.2
107.5°	87.3	90.0	166.6	243.2	319.9	396.5	432.0	426.3	420.6	414.9	409.3
110°	160.9	184.3	251.9	319.6	387.3	454.9	486.2	481.3	476.4	471.5	466.6



TEST NUMBER: P331817-935

CATALOG NUMBER: S122RDIW-S675D1240U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	379.5	464.9	481.6	498.3	515.1	531.8	538.0	533.6	529.2	524.9	520.5
115°	541.5	649.9	644.0	638.2	632.3	626.5	621.6	617.5	613.5	609.6	605.6
117.5°	693.5	719.8	715.7	711.7	707.7	703.7	699.5	695.0	690.5	686.1	681.7
120°	774.8	772.0	767.8	763.6	759.4	755.2	751.3	747.8	744.2	740.8	737.3
122.5°	823.4	821.7	817.2	812.5	808.0	803.4	799.3	795.6	791.9	788.2	784.5
125°	891.7	890.0	885.5	881.1	876.7	872.2	868.4	865.4	862.4	859.3	856.3
127.5°	953.9	951.5	948.1	944.9	941.5	938.2	934.9	931.5	928.1	924.7	921.4
130°	993.7	991.1	988.5	985.9	983.3	980.8	977.7	973.9	970.2	966.4	962.7
132.5°	1032.9	1030.7	1028.1	1025.5	1023.0	1020.4	1017.5	1014.3	1011.2	1008.0	1004.8
135°	1088.2	1085.9	1083.7	1081.7	1079.5	1077.5	1074.5	1070.7	1067.0	1063.2	1059.5
137.5°	1139.8	1137.5	1135.1	1132.7	1130.3	1127.9	1125.4	1122.8	1120.2	1117.6	1114.9
140°	1173.3	1171.2	1168.6	1166.1	1163.5	1160.9	1158.6	1156.8	1154.9	1153.1	1151.2
142.5°	1204.3	1202.4	1199.4	1196.4	1193.5	1190.6	1188.3	1186.5	1184.9	1183.2	1181.6
145°	1247.6	1246.0	1242.0	1238.0	1234.1	1230.0	1228.2	1228.4	1228.6	1228.9	1229.1
147.5°	1285.6	1284.3	1280.4	1276.4	1272.5	1268.6	1267.0	1267.9	1268.9	1269.7	1270.6
150°	1308.5	1307.1	1303.3	1299.6	1295.8	1292.1	1291.0	1292.6	1294.3	1296.0	1297.6
152.5°	1329.6	1328.1	1324.6	1321.0	1317.4	1313.9	1313.0	1314.8	1316.6	1318.5	1320.3
155°	1358.0	1356.6	1353.8	1350.9	1348.2	1345.3	1345.0	1347.0	1349.2	1351.3	1353.4
157.5°	1381.7	1380.2	1378.2	1376.2	1374.2	1372.3	1372.2	1374.0	1375.7	1377.5	1379.3
160°	1395.9	1394.5	1393.1	1391.6	1390.3	1388.9	1388.9	1390.3	1391.6	1393.1	1394.5
162.5°	1408.7	1407.1	1405.9	1404.6	1403.4	1402.2	1402.3	1403.8	1405.2	1406.5	1408.0
165°	1424.5	1422.9	1422.2	1421.5	1420.8	1420.1	1420.5	1421.9	1423.2	1424.7	1426.1
167.5°	1437.8	1436.1	1435.5	1434.9	1434.3	1433.6	1433.9	1435.4	1436.8	1438.1	1439.6
170°	1444.6	1442.9	1442.4	1442.0	1441.5	1441.1	1441.5	1442.9	1444.3	1445.7	1447.2
172.5°	1449.6	1447.9	1447.5	1447.0	1446.6	1446.1	1446.6	1447.9	1449.4	1450.8	1452.2
175°	1455.1	1453.5	1453.0	1452.5	1452.1	1451.6	1452.2	1453.8	1455.4	1457.1	1458.7
177.5°	1456.0	1454.7	1454.5	1454.3	1454.1	1454.0	1454.5	1455.9	1457.2	1458.4	1459.7
180°	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5



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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°	9.1	7.9	8.1	8.3	9.0	9.4	9.5	9.8	10.5	10.4	11.0
90°	3.6	6.2	8.8	11.4	13.6	15.4	17.3	19.2	21.1	22.2	23.4
92.5°	21.0	20.8	20.6	20.3	20.7	21.6	22.6	23.5	24.5	25.1	25.7
95°	60.7	53.0	45.3	37.5	34.5	36.2	37.8	39.4	41.1	42.3	43.4
97.5°	114.1	92.3	70.6	48.8	39.8	43.6	47.4	51.2	55.0	55.9	56.8
100°	154.4	122.3	90.2	58.2	44.1	48.1	52.1	56.1	60.0	61.9	63.8
102.5°	235.2	228.4	221.7	214.9	194.8	161.5	128.3	95.0	61.7	64.1	66.6
105°	327.2	334.2	341.2	348.3	319.9	256.0	192.0	128.1	64.2	66.8	69.4
107.5°	414.9	420.6	426.3	432.0	396.5	319.9	243.2	166.6	90.0	87.3	84.7
110°	471.5	476.4	481.3	486.2	454.9	387.3	319.6	251.9	184.3	160.9	137.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	524.9	529.2	533.6	538.0	531.8	515.1	498.3	481.6	464.9	379.5	294.1
115°	609.6	613.5	617.5	621.6	626.5	632.3	638.2	644.0	649.9	541.5	433.1
117.5°	686.1	690.5	695.0	699.5	703.7	707.7	711.7	715.7	719.8	693.5	667.4
120°	740.8	744.2	747.8	751.3	755.2	759.4	763.6	767.8	772.0	774.8	777.7
122.5°	788.2	791.9	795.6	799.3	803.4	808.0	812.5	817.2	821.7	823.4	825.1
125°	859.3	862.4	865.4	868.4	872.2	876.7	881.1	885.5	890.0	891.7	893.3
127.5°	924.7	928.1	931.5	934.9	938.2	941.5	944.9	948.1	951.5	953.9	956.2
130°	966.4	970.2	973.9	977.7	980.8	983.3	985.9	988.5	991.1	993.7	996.3
132.5°	1008.0	1011.2	1014.3	1017.5	1020.4	1023.0	1025.5	1028.1	1030.7	1032.9	1035.1
135°	1063.2	1067.0	1070.7	1074.5	1077.5	1079.5	1081.7	1083.7	1085.9	1088.2	1090.5
137.5°	1117.6	1120.2	1122.8	1125.4	1127.9	1130.3	1132.7	1135.1	1137.5	1139.8	1142.0
140°	1153.1	1154.9	1156.8	1158.6	1160.9	1163.5	1166.1	1168.6	1171.2	1173.3	1175.4
142.5°	1183.2	1184.9	1186.5	1188.3	1190.6	1193.5	1196.4	1199.4	1202.4	1204.3	1206.2
145°	1228.9	1228.6	1228.4	1228.2	1230.0	1234.1	1238.0	1242.0	1246.0	1247.6	1249.2
147.5°	1269.7	1268.9	1267.9	1267.0	1268.6	1272.5	1276.4	1280.4	1284.3	1285.6	1286.8
150°	1296.0	1294.3	1292.6	1291.0	1292.1	1295.8	1299.6	1303.3	1307.1	1308.5	1309.8
152.5°	1318.5	1316.6	1314.8	1313.0	1313.9	1317.4	1321.0	1324.6	1328.1	1329.6	1330.9
155°	1351.3	1349.2	1347.0	1345.0	1345.3	1348.2	1350.9	1353.8	1356.6	1358.0	1359.3
157.5°	1377.5	1375.7	1374.0	1372.2	1372.3	1374.2	1376.2	1378.2	1380.2	1381.7	1383.4
160°	1393.1	1391.6	1390.3	1388.9	1388.9	1390.3	1391.6	1393.1	1394.5	1395.9	1397.3
162.5°	1406.5	1405.2	1403.8	1402.3	1402.2	1403.4	1404.6	1405.9	1407.1	1408.7	1410.3
165°	1424.7	1423.2	1421.9	1420.5	1420.1	1420.8	1421.5	1422.2	1422.9	1424.5	1426.2
167.5°	1438.1	1436.8	1435.4	1433.9	1433.6	1434.3	1434.9	1435.5	1436.1	1437.8	1439.4
170°	1445.7	1444.3	1442.9	1441.5	1441.1	1441.5	1442.0	1442.4	1442.9	1444.6	1446.2
172.5°	1450.8	1449.4	1447.9	1446.6	1446.1	1446.6	1447.0	1447.5	1447.9	1449.6	1451.2
175°	1457.1	1455.4	1453.8	1452.2	1451.6	1452.1	1452.5	1453.0	1453.5	1455.1	1456.7
177.5°	1458.4	1457.2	1455.9	1454.5	1454.0	1454.1	1454.3	1454.5	1454.7	1456.0	1457.3
180°	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5



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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°	10.9	11.1	11.3	11.4	11.5	11.5	11.3
90°	24.5	25.7	26.6	27.0	27.5	28.0	28.4
92.5°	26.3	26.9	27.3	27.6	27.9	28.2	28.4
95°	44.6	45.7	46.2	46.0	45.7	45.5	45.3
97.5°	57.8	58.7	59.3	59.6	59.9	60.2	60.4
100°	65.6	67.5	68.7	69.1	69.7	70.1	70.6
102.5°	69.1	71.5	73.0	73.6	74.3	75.0	75.6
105°	72.0	74.6	76.3	77.2	78.2	79.1	80.1
107.5°	82.1	79.5	78.6	79.6	80.5	81.5	82.4
110°	114.1	90.7	79.5	80.4	81.4	82.3	83.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	208.8	123.4	81.0	81.8	82.6	83.3	84.0
115°	324.8	216.4	153.8	136.9	120.1	103.2	86.4
117.5°	641.1	614.9	574.1	518.8	463.4	408.0	352.6
120°	780.4	783.3	768.9	737.3	705.7	674.1	642.5
122.5°	826.8	828.5	826.2	820.1	814.0	807.9	801.7
125°	894.9	896.6	897.7	898.4	899.1	899.8	900.5
127.5°	958.6	961.0	962.3	962.4	962.6	962.7	962.9
130°	998.8	1001.3	1002.5	1002.3	1002.1	1001.9	1001.6
132.5°	1037.2	1039.5	1040.4	1040.3	1040.0	1039.7	1039.6
135°	1092.9	1095.3	1096.1	1095.7	1095.3	1094.8	1094.3
137.5°	1144.4	1146.7	1147.4	1146.6	1145.8	1145.0	1144.2
140°	1177.5	1179.7	1180.1	1178.9	1177.8	1176.6	1175.4
142.5°	1208.2	1210.0	1210.4	1209.3	1208.1	1206.9	1205.7
145°	1250.9	1252.5	1252.8	1251.5	1250.4	1249.2	1248.1
147.5°	1288.0	1289.2	1289.3	1288.3	1287.3	1286.3	1285.4
150°	1311.3	1312.7	1312.8	1311.6	1310.4	1309.2	1308.1
152.5°	1332.3	1333.8	1333.7	1332.1	1330.6	1329.0	1327.5
155°	1360.8	1362.2	1361.9	1360.0	1358.2	1356.3	1354.4
157.5°	1384.9	1386.6	1386.4	1384.6	1382.8	1381.0	1379.1
160°	1398.7	1400.1	1400.0	1398.4	1396.7	1395.1	1393.4
162.5°	1411.9	1413.5	1413.2	1411.3	1409.2	1407.2	1405.2
165°	1427.8	1429.4	1429.4	1427.8	1426.2	1424.5	1422.9
167.5°	1441.1	1442.7	1442.5	1440.4	1438.3	1436.1	1434.1
170°	1447.9	1449.5	1449.2	1447.2	1445.0	1442.9	1440.8
172.5°	1452.9	1454.5	1454.3	1452.2	1450.1	1447.9	1445.9
175°	1458.4	1460.0	1459.7	1457.3	1455.0	1452.6	1450.3
177.5°	1458.6	1460.0	1459.7	1458.1	1456.4	1454.7	1453.0
180°	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5

(END OF REPORT)