

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: P333693-930

Luminaire Tested: **S125RDIW-S850D1340U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333693-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIW-S850D1340U930-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

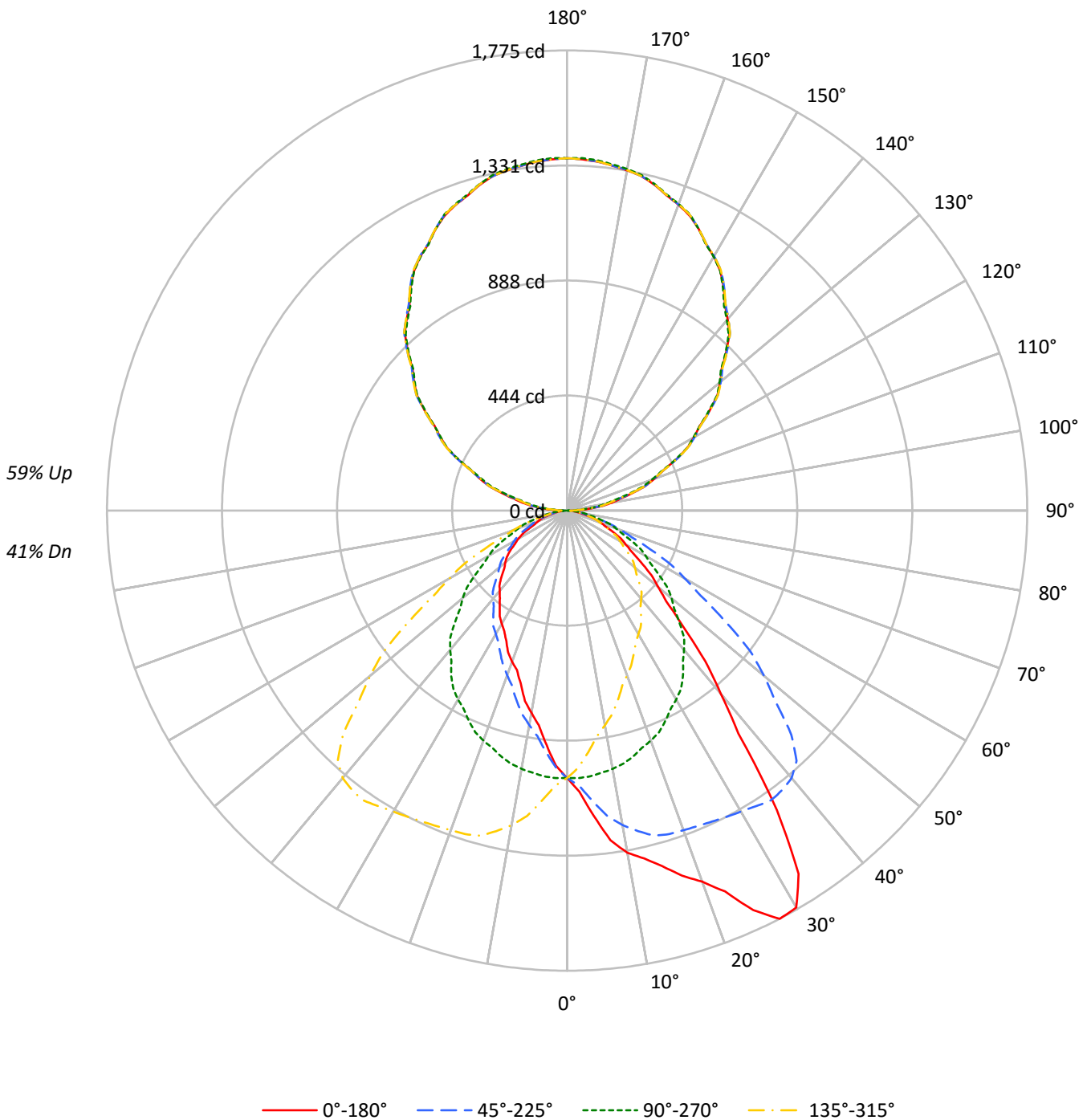
Lumens per Lamp: N/A  
Luminaire Lumens: 6467.0 lumens  
Efficiency: N/A  
Efficacy: 105.3 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 61.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	50	30	10	0	
RCR																						
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	48	48	48	41				
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	36				
2	88	81	75	70	80	74	69	65	61	58	54	49	47	45	38	37	35	30				
3	80	71	64	59	73	65	59	54	54	50	46	44	41	38	34	32	30	26				
4	74	63	56	50	67	58	51	46	48	43	39	39	36	33	31	28	26	23				
5	68	56	48	43	61	52	45	40	43	38	34	35	31	29	28	25	23	20				
6	62	51	43	37	57	47	40	35	39	34	30	32	28	25	25	23	20	17				
7	58	46	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15				
8	53	41	34	29	49	38	31	27	32	27	23	27	23	20	21	18	16	14				
9	50	38	30	25	45	35	28	24	29	24	21	24	21	18	20	17	15	13				
10	46	35	27	23	42	32	26	21	27	22	19	22	19	16	18	15	13	11				

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

	0°	90°	180°	270°
0°	6660	6660	6660	6660
5°	7662	6669	5890	6669
10°	8790	6635	5197	6635
15°	9494	6567	4619	6567
20°	10469	6488	4265	6488
25°	12115	6383	3958	6383
30°	13184	6272	3757	6272
35°	11121	6144	3572	6144
40°	7766	5914	3412	5914
45°	5761	5602	3255	5602
50°	4594	5279	3122	5279
55°	3899	4877	3003	4877
60°	3369	4517	2811	4517
65°	3001	4128	2419	4128
70°	2638	3780	2206	3780
75°	2283	3276	2071	3276
80°	1733	2756	1733	2756
85°	1445	2164	1630	2164



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.9	1.5
10°-20°	289.8	4.5
20°-30°	459.5	7.1
30°-40°	554.1	8.6
40°-50°	494.9	7.7
50°-60°	379.5	5.9
60°-70°	246.6	3.8
70°-80°	119.9	1.9
80°-90°	31.6	0.5
90°-100°	91.0	1.4
100°-110°	268.8	4.2
110°-120°	455.3	7.0
120°-130°	599.1	9.3
130°-140°	671.4	10.4
140°-150°	658.0	10.2
150°-160°	552.7	8.5
160°-170°	367.4	5.7
170°-180°	128.6	2.0
0°-30°	848.2	13.1
0°-40°	1402.4	21.7
0°-60°	2276.7	35.2
0°-90°	2674.8	41.4
90°-120°	815.1	12.6
90°-150°	2743.6	42.4
90°-180°	3792.0	58.6
0°-180°	6467.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1031	1031	1031	1031	1031	
5°	1182	1029	908	1029	1182	118
15°	1420	982	691	982	1420	407
25°	1700	896	556	896	1700	781
35°	1410	779	453	779	1410	852
45°	631	613	356	613	631	503
55°	346	433	267	433	346	314
65°	196	270	158	270	196	195
75°	92	131	83	131	92	97
85°	20	29	22	29	20	23
90°	25	1	25	1	25	16
95°	91	69	91	69	91	93
105°	262	241	262	241	262	278
115°	460	456	460	456	460	455
125°	669	665	669	665	669	598
135°	868	865	868	865	868	670
145°	1052	1048	1052	1048	1052	657
155°	1199	1199	1199	1199	1199	552
165°	1301	1304	1301	1304	1301	367
175°	1350	1356	1350	1356	1350	128
180°	1359	1359	1359	1359	1359	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	1084.8	1084.1	1085.5	1081.7	1082.1	1076.3	1076.3	1071.9	1066.2	1061.8	1059.7
5°	1181.9	1182.8	1181.1	1174.8	1170.5	1164.2	1157.0	1144.3	1133.7	1123.6	1115.5
7.5°	1282.1	1282.6	1277.1	1275.1	1264.4	1256.6	1240.6	1223.4	1208.0	1188.5	1173.7
10°	1340.3	1339.9	1334.0	1329.3	1320.0	1308.1	1292.5	1272.1	1253.1	1231.9	1211.6
12.5°	1374.2	1373.0	1371.2	1365.5	1356.9	1346.4	1333.1	1313.1	1289.6	1266.5	1242.8
15°	1419.9	1416.9	1411.4	1404.2	1392.0	1379.6	1364.9	1347.1	1324.6	1298.4	1276.4
17.5°	1476.4	1476.5	1468.1	1458.1	1441.4	1419.8	1396.9	1368.2	1337.7	1308.8	1285.3
20°	1523.2	1521.9	1513.4	1494.0	1475.0	1447.8	1421.6	1386.4	1349.2	1311.5	1282.3
22.5°	1590.2	1587.0	1578.2	1552.6	1523.1	1488.2	1448.0	1405.1	1360.0	1317.3	1279.0
25°	1700.1	1697.6	1680.3	1650.7	1609.2	1555.3	1502.8	1444.1	1379.2	1323.0	1276.4
27.5°	1775.3	1772.5	1759.7	1735.0	1696.8	1640.2	1569.1	1490.5	1409.7	1332.2	1265.0
30°	1767.9	1774.3	1772.5	1761.1	1732.3	1681.6	1615.9	1527.5	1431.3	1340.3	1260.3
32.5°	1661.5	1667.2	1682.1	1704.5	1706.3	1686.0	1636.9	1555.2	1455.7	1352.2	1256.5
35°	1410.5	1418.2	1447.0	1492.3	1551.5	1601.1	1611.3	1567.2	1477.9	1366.5	1251.0
37.5°	1084.4	1126.1	1150.3	1198.0	1287.5	1378.7	1466.3	1498.5	1460.5	1360.7	1241.9
40°	921.2	931.3	974.5	1028.3	1103.7	1198.5	1323.4	1413.6	1416.5	1347.1	1227.7
42.5°	788.4	801.3	831.0	873.8	938.4	1033.2	1162.1	1281.2	1336.3	1309.9	1209.1
45°	630.8	640.5	662.1	695.1	744.7	823.0	933.9	1071.5	1180.7	1223.4	1159.1
47.5°	518.2	523.4	542.3	567.4	604.1	661.1	747.0	866.4	997.4	1089.2	1080.2
50°	457.2	463.2	477.5	496.6	527.5	575.8	644.3	743.8	878.9	991.1	1013.5
52.5°	409.8	414.7	423.7	441.7	467.2	504.3	559.6	649.6	771.2	890.5	942.3
55°	346.3	349.7	356.9	367.0	387.3	414.0	461.9	524.1	622.3	742.6	818.7
57.5°	294.0	295.6	300.3	309.7	323.7	343.2	377.7	430.5	500.9	609.2	693.2
60°	260.8	262.4	268.4	274.8	285.8	303.5	330.6	367.5	435.2	524.5	609.6
62.5°	234.4	235.4	237.9	244.3	253.9	267.7	288.9	319.0	372.9	451.3	531.7
65°	196.4	196.9	197.7	202.8	208.7	218.9	232.8	254.0	294.6	353.9	425.0
67.5°	160.0	160.6	163.5	165.3	171.5	176.8	185.1	201.3	229.9	269.9	325.1
70°	139.7	139.3	142.3	144.4	146.5	152.8	158.3	171.5	189.2	219.7	265.9
72.5°	120.7	119.6	120.9	121.6	124.5	128.8	134.3	142.4	156.0	177.0	212.4
75°	91.5	91.9	91.9	92.7	94.8	96.5	98.2	102.5	110.1	124.0	143.1
77.5°	64.2	63.5	65.3	65.6	66.8	68.6	70.1	71.8	74.9	80.7	90.5
80°	46.6	46.6	47.0	48.3	47.9	48.7	50.8	52.5	56.3	59.7	63.1
82.5°	35.7	35.4	35.8	36.0	36.0	36.9	37.6	37.9	39.4	41.1	43.5
85°	19.5	19.5	19.9	19.9	20.3	20.3	20.7	20.7	20.7	21.2	21.6
87.5°	12.6	12.1	11.6	11.4	11.7	12.1	11.6	11.0	10.8	10.5	10.5
90°	25.4	24.7	24.0	23.2	22.6	21.6	20.5	19.2	18.1	17.0	15.2
92.5°	49.9	49.4	48.9	48.3	47.9	46.8	45.2	43.7	42.2	40.6	38.6
95°	91.0	90.5	90.0	89.5	89.0	88.1	86.3	84.7	83.1	81.4	79.1
97.5°	137.9	137.6	137.4	137.1	136.8	135.8	134.3	132.7	131.2	129.6	126.5
100°	173.4	173.0	172.5	172.0	171.5	170.2	168.1	166.1	164.0	161.8	158.7
102.5°	209.0	208.3	207.7	207.0	206.4	204.9	202.5	200.2	198.0	195.7	194.1
105°	262.3	261.5	260.9	260.2	259.4	258.4	257.0	255.6	254.2	252.7	251.4
107.5°	316.8	316.9	316.9	317.0	317.1	316.7	316.0	315.3	314.6	313.9	312.8
110°	357.4	357.7	357.9	358.2	358.4	358.2	357.4	356.8	356.0	355.3	354.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	397.2	397.6	398.1	398.5	398.9	398.9	398.6	398.3	397.9	397.6	396.7
115°	460.1	460.3	460.5	460.7	461.0	461.2	461.5	461.7	461.9	462.2	461.7
117.5°	521.4	522.4	523.3	524.2	525.1	525.5	525.3	525.1	525.0	524.8	524.3
120°	563.7	564.6	565.6	566.5	567.4	567.9	567.9	567.9	567.9	567.9	567.7
122.5°	606.0	606.7	607.5	608.2	609.0	609.4	609.7	609.8	610.0	610.3	609.6
125°	669.4	669.7	669.9	670.2	670.4	670.7	671.2	671.6	672.1	672.6	672.4
127.5°	730.3	730.8	731.3	731.8	732.2	732.6	732.8	733.0	733.3	733.5	733.3
130°	770.9	771.4	771.9	772.4	772.8	773.2	773.5	773.6	773.9	774.1	773.6
132.5°	809.0	809.7	810.3	811.1	811.7	812.1	812.4	812.6	812.9	813.1	813.2
135°	868.3	869.2	870.2	871.1	872.0	872.5	872.5	872.5	872.5	872.5	872.3
137.5°	926.3	927.4	928.5	929.8	930.9	931.4	931.1	930.8	930.5	930.3	929.8
140°	963.4	964.7	965.8	966.9	968.2	968.5	968.0	967.6	967.1	966.6	965.9
142.5°	999.0	1000.1	1001.4	1002.5	1003.7	1004.1	1003.9	1003.6	1003.3	1003.0	1002.1
145°	1052.3	1053.0	1053.7	1054.4	1055.1	1055.5	1055.5	1055.5	1055.5	1055.5	1054.8
147.5°	1097.8	1099.3	1101.0	1102.5	1104.2	1104.6	1104.1	1103.5	1103.0	1102.4	1101.9
150°	1131.6	1132.0	1132.5	1133.0	1133.5	1133.8	1133.8	1133.8	1133.8	1133.8	1132.8
152.5°	1159.5	1160.3	1161.2	1162.0	1162.9	1163.0	1162.5	1161.9	1161.4	1160.8	1160.4
155°	1199.3	1200.4	1201.7	1202.8	1204.0	1204.1	1203.1	1202.2	1201.3	1200.4	1200.1
157.5°	1232.5	1234.0	1235.6	1237.1	1238.7	1239.0	1238.0	1237.1	1236.2	1235.3	1235.0
160°	1255.3	1256.5	1257.7	1258.9	1260.0	1260.1	1259.2	1258.3	1257.4	1256.4	1256.1
162.5°	1274.8	1276.2	1277.5	1278.9	1280.3	1280.3	1279.2	1278.1	1277.0	1275.9	1275.8
165°	1300.8	1302.2	1303.7	1305.0	1306.4	1306.7	1305.8	1304.8	1303.9	1302.9	1302.7
167.5°	1321.5	1323.0	1324.5	1325.9	1327.4	1327.4	1326.0	1324.6	1323.1	1321.8	1321.8
170°	1332.5	1334.2	1335.9	1337.5	1339.1	1339.2	1337.8	1336.4	1335.1	1333.6	1333.6
172.5°	1341.8	1343.3	1344.8	1346.2	1347.7	1347.7	1346.3	1344.9	1343.5	1342.1	1342.1
175°	1350.5	1352.2	1353.8	1355.4	1357.1	1357.2	1355.8	1354.4	1353.0	1351.6	1351.6
177.5°	1355.6	1356.9	1358.2	1359.5	1360.9	1361.0	1359.8	1358.7	1357.6	1356.4	1356.7
180°	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	1059.7	1057.4	1053.0	1048.9	1043.8	1039.4	1036.3	1032.7	1027.8	1022.1	1017.4
5°	1106.6	1097.3	1085.0	1074.5	1060.9	1050.4	1039.3	1028.7	1018.1	1004.6	992.7
7.5°	1158.6	1139.4	1120.7	1097.1	1075.8	1056.7	1038.4	1019.9	1001.8	982.6	964.0
10°	1190.4	1167.2	1141.3	1111.7	1084.6	1058.7	1035.1	1011.8	987.2	965.6	942.3
12.5°	1220.3	1190.2	1160.7	1123.2	1090.7	1059.2	1029.0	1000.0	973.7	945.7	920.7
15°	1247.2	1217.6	1184.5	1138.8	1093.5	1055.4	1019.9	982.2	949.6	918.3	890.3
17.5°	1257.6	1226.5	1188.1	1144.2	1094.7	1046.8	1000.9	959.6	921.3	884.8	853.4
20°	1253.5	1223.4	1184.1	1142.2	1089.2	1039.3	989.8	944.0	901.3	862.7	829.3
22.5°	1243.7	1212.6	1174.6	1130.3	1080.1	1027.1	974.2	925.4	880.6	840.7	804.3
25°	1229.0	1186.7	1147.7	1104.5	1056.6	1004.2	949.6	895.8	848.0	807.3	767.5
27.5°	1213.7	1160.8	1111.3	1068.4	1017.8	970.9	918.4	863.2	812.9	771.5	730.7
30°	1199.8	1140.5	1085.9	1037.2	989.4	944.9	895.0	841.1	789.5	746.8	705.3
32.5°	1182.5	1119.5	1059.5	1003.3	957.2	913.1	867.9	816.4	766.1	722.0	679.9
35°	1160.8	1080.4	1015.2	955.4	904.2	861.5	820.8	779.3	729.0	683.3	642.2
37.5°	1132.4	1041.1	965.6	900.7	846.6	803.6	771.6	733.7	687.7	643.9	605.8
40°	1115.1	1012.6	930.1	865.8	809.0	763.7	733.7	701.5	659.6	618.5	580.4
42.5°	1092.1	986.6	894.2	827.1	770.1	726.4	696.0	668.0	632.8	594.1	553.3
45°	1046.9	936.0	839.1	767.1	709.6	666.8	638.4	613.4	586.8	551.2	515.6
47.5°	988.1	883.3	781.8	703.3	646.9	607.2	579.7	559.9	540.9	510.6	476.1
50°	941.1	839.9	740.9	664.6	604.5	566.9	541.0	525.4	508.0	480.5	451.7
52.5°	885.6	795.2	698.1	620.3	563.5	528.2	503.4	487.8	473.4	451.0	423.6
55°	798.0	718.8	629.9	559.2	507.2	471.6	447.9	433.1	424.6	405.5	384.0
57.5°	697.0	640.3	561.8	493.7	447.7	412.5	395.2	382.5	373.0	359.5	344.3
60°	626.6	586.8	516.5	451.7	409.4	375.9	360.3	349.7	340.8	329.4	317.5
62.5°	555.1	526.1	465.0	409.4	370.4	342.4	327.8	318.2	307.9	300.3	288.7
65°	459.3	433.5	391.2	347.6	311.6	289.1	278.6	270.1	263.7	255.3	247.2
67.5°	357.3	346.8	317.6	287.6	261.7	241.7	232.6	226.7	219.1	213.9	208.5
70°	294.6	289.6	268.8	248.9	224.8	211.2	202.8	200.2	190.9	185.9	182.1
72.5°	239.1	236.8	224.8	211.0	194.0	182.1	174.3	171.5	165.5	161.4	159.0
75°	163.8	164.7	162.6	153.7	147.3	139.7	132.9	131.3	127.0	123.6	121.5
77.5°	103.6	107.9	108.1	107.7	105.2	100.5	97.7	96.4	92.3	91.0	90.5
80°	71.1	75.7	80.0	79.6	78.8	77.5	75.3	74.1	72.0	70.7	69.9
82.5°	47.5	51.8	55.3	57.6	57.4	56.2	54.7	54.1	53.6	52.7	52.6
85°	22.4	23.3	24.5	27.6	29.6	30.1	29.6	29.2	28.0	28.4	28.8
87.5°	10.5	10.2	10.2	9.9	9.1	10.4	11.1	11.1	10.8	10.4	10.1
90°	13.6	12.0	10.4	8.6	6.7	4.8	2.9	1.1	2.9	4.8	6.7
92.5°	36.6	34.6	32.5	30.8	29.5	28.2	26.9	25.6	26.9	28.2	29.5
95°	76.7	74.4	72.1	70.6	70.1	69.7	69.2	68.7	69.2	69.7	70.1
97.5°	123.2	119.9	116.7	115.0	114.8	114.6	114.4	114.2	114.4	114.6	114.8
100°	155.7	152.6	149.6	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1
102.5°	192.6	191.0	189.5	188.2	187.3	186.3	185.4	184.4	185.4	186.3	187.3
105°	250.0	248.5	247.1	245.8	244.7	243.4	242.3	241.2	242.3	243.4	244.7
107.5°	311.7	310.6	309.6	308.4	307.3	306.1	304.9	303.7	304.9	306.1	307.3
110°	353.9	353.3	352.5	351.6	350.4	349.3	348.1	346.9	348.1	349.3	350.4





TEST NUMBER: P333693-930

CATALOG NUMBER: S125RDIW-S850D1340U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	395.8	394.9	394.1	393.3	392.7	392.1	391.5	390.9	391.5	392.1	392.7
115°	461.2	460.7	460.3	459.6	458.6	457.7	456.7	455.8	456.7	457.7	458.6
117.5°	523.9	523.5	523.1	522.7	522.2	521.8	521.4	521.0	521.4	521.8	522.2
120°	567.4	567.2	567.0	566.3	565.1	563.9	562.7	561.6	562.7	563.9	565.1
122.5°	609.0	608.4	607.8	607.2	606.8	606.4	606.0	605.6	606.0	606.4	606.8
125°	672.1	671.9	671.6	670.8	669.4	668.1	666.6	665.2	666.6	668.1	669.4
127.5°	733.0	732.7	732.4	731.9	731.1	730.3	729.4	728.6	729.4	730.3	731.1
130°	773.2	772.7	772.3	771.4	770.3	769.1	767.9	766.7	767.9	769.1	770.3
132.5°	813.3	813.3	813.4	812.5	810.6	808.7	806.7	804.8	806.7	808.7	810.6
135°	872.0	871.8	871.6	870.7	869.4	867.9	866.5	865.1	866.5	867.9	869.4
137.5°	929.2	928.7	928.1	927.2	925.9	924.5	923.2	921.8	923.2	924.5	925.9
140°	965.2	964.5	963.8	962.9	961.7	960.5	959.4	958.1	959.4	960.5	961.7
142.5°	1001.2	1000.3	999.4	998.5	997.5	996.5	995.6	994.6	995.6	996.5	997.5
145°	1054.0	1053.4	1052.6	1051.8	1050.8	1049.9	1049.0	1048.1	1049.0	1049.9	1050.8
147.5°	1101.3	1100.7	1100.2	1099.6	1099.1	1098.6	1098.0	1097.6	1098.0	1098.6	1099.1
150°	1131.9	1130.9	1129.9	1129.6	1129.8	1130.1	1130.3	1130.6	1130.3	1130.1	1129.8
152.5°	1160.0	1159.7	1159.3	1158.9	1158.6	1158.3	1158.0	1157.6	1158.0	1158.3	1158.6
155°	1199.9	1199.6	1199.4	1199.3	1199.3	1199.3	1199.3	1199.3	1199.3	1199.3	1199.3
157.5°	1234.8	1234.5	1234.3	1234.4	1234.9	1235.5	1236.0	1236.5	1236.0	1235.5	1234.9
160°	1256.0	1255.7	1255.5	1255.7	1256.4	1257.1	1257.8	1258.5	1257.8	1257.1	1256.4
162.5°	1275.8	1275.7	1275.7	1275.9	1276.4	1276.9	1277.5	1278.0	1277.5	1276.9	1276.4
165°	1302.4	1302.2	1302.0	1302.1	1302.6	1303.0	1303.5	1304.0	1303.5	1303.0	1302.6
167.5°	1321.8	1321.8	1321.8	1322.3	1323.1	1324.1	1325.0	1326.0	1325.0	1324.1	1323.1
170°	1333.6	1333.6	1333.6	1334.1	1335.1	1335.9	1336.9	1337.8	1336.9	1335.9	1335.1
172.5°	1342.1	1342.1	1342.1	1342.6	1343.5	1344.4	1345.3	1346.3	1345.3	1344.4	1343.5
175°	1351.6	1351.6	1351.6	1352.1	1353.0	1354.0	1354.9	1355.8	1354.9	1354.0	1353.0
177.5°	1356.8	1357.0	1357.2	1357.6	1358.5	1359.2	1359.9	1360.7	1359.9	1359.2	1358.5
180°	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0



TEST NUMBER: P333693-930

CATALOG NUMBER: S125RDIW-S850D1340U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	1014.0	1009.3	1005.8	999.1	994.3	992.3	988.6	987.6	991.3	988.6	988.2
5°	983.8	971.6	961.8	952.1	941.5	934.7	924.5	922.9	920.3	916.6	915.7
7.5°	947.7	931.7	919.2	903.1	889.1	877.8	865.1	859.2	855.8	850.9	844.3
10°	923.3	904.2	887.3	871.2	853.9	839.9	827.2	817.5	811.1	805.2	802.7
12.5°	899.3	879.9	858.2	838.7	819.4	803.6	789.6	783.3	776.2	769.3	763.4
15°	861.9	836.1	812.4	789.9	773.5	756.5	743.0	733.7	723.1	720.1	708.7
17.5°	822.3	797.0	769.2	745.6	726.4	707.8	692.9	682.3	674.4	663.5	658.2
20°	797.6	767.5	740.5	718.8	697.7	675.6	660.4	651.5	643.9	635.0	630.8
22.5°	771.2	741.8	714.0	688.7	667.2	645.6	634.7	625.4	616.8	608.6	603.0
25°	732.4	702.8	673.5	647.3	624.8	609.2	596.5	585.9	581.2	573.2	567.3
27.5°	694.1	662.5	632.2	606.1	588.5	573.0	562.6	554.2	545.8	538.7	533.6
30°	669.3	637.2	604.1	583.3	564.8	549.9	538.5	530.4	524.1	517.7	514.0
32.5°	644.6	611.4	582.1	559.6	542.0	529.3	517.5	509.8	503.1	496.1	491.6
35°	605.0	571.1	547.4	525.4	508.0	496.2	488.1	477.1	471.6	466.5	461.9
37.5°	568.1	536.6	510.9	491.7	476.6	464.8	454.4	448.5	441.7	437.2	433.3
40°	541.0	512.3	488.9	468.6	457.6	444.5	434.8	427.1	422.1	416.1	411.9
42.5°	516.7	489.9	467.2	449.0	435.3	424.2	414.8	407.2	400.7	396.5	393.0
45°	482.2	455.5	433.5	416.5	403.9	393.3	383.5	379.8	371.3	366.2	364.5
47.5°	446.5	422.7	401.5	385.8	372.8	362.8	353.7	345.8	341.2	336.2	333.5
50°	422.5	399.7	379.8	364.5	351.8	340.8	332.3	327.3	320.9	316.3	312.8
52.5°	398.4	377.3	357.4	342.8	331.8	320.8	311.4	306.2	300.3	297.3	294.9
55°	364.1	341.6	324.7	310.3	298.9	288.7	279.8	274.8	270.9	268.0	267.1
57.5°	325.1	307.4	291.6	278.7	266.8	257.2	249.4	244.6	241.2	240.8	238.2
60°	299.7	283.6	269.2	255.3	245.1	236.2	229.4	224.0	220.5	220.1	219.3
62.5°	274.3	258.9	245.6	233.3	224.1	215.6	209.1	202.9	200.9	198.8	197.0
65°	236.7	222.7	211.7	201.9	192.2	185.0	178.6	174.8	170.2	167.6	163.0
67.5°	199.7	188.8	178.2	170.0	162.4	155.6	150.3	144.6	141.5	139.4	136.1
70°	175.3	166.8	156.2	147.3	141.4	135.9	131.7	125.3	123.2	121.5	119.8
72.5°	152.2	144.8	135.9	128.7	122.8	117.6	112.7	109.7	107.6	105.9	104.9
75°	119.8	112.6	105.0	99.9	95.7	91.5	88.9	86.7	85.9	85.5	83.8
77.5°	88.0	84.1	78.0	74.0	71.2	69.5	67.3	66.1	66.0	64.2	63.6
80°	67.3	65.2	60.1	58.5	56.3	54.6	53.3	51.2	49.1	48.3	47.0
82.5°	50.1	47.9	45.9	43.2	41.4	40.4	39.1	38.3	38.6	37.4	36.9
85°	26.7	24.5	23.7	23.3	22.4	23.3	22.8	22.4	22.0	21.6	22.0
87.5°	10.2	10.5	10.5	11.5	10.8	11.5	11.7	11.7	11.9	12.1	12.0
90°	8.6	10.4	12.0	13.6	15.2	17.0	18.1	19.2	20.5	21.6	22.6
92.5°	30.8	32.5	34.6	36.6	38.6	40.6	42.2	43.7	45.2	46.8	47.9
95°	70.6	72.1	74.4	76.7	79.1	81.4	83.1	84.7	86.3	88.1	89.0
97.5°	115.0	116.7	119.9	123.2	126.5	129.6	131.2	132.7	134.3	135.8	136.8
100°	148.1	149.6	152.6	155.7	158.7	161.8	164.0	166.1	168.1	170.2	171.5
102.5°	188.2	189.5	191.0	192.6	194.1	195.7	198.0	200.2	202.5	204.9	206.4
105°	245.8	247.1	248.5	250.0	251.4	252.7	254.2	255.6	257.0	258.4	259.4
107.5°	308.4	309.6	310.6	311.7	312.8	313.9	314.6	315.3	316.0	316.7	317.1
110°	351.6	352.5	353.3	353.9	354.7	355.3	356.0	356.8	357.4	358.2	358.4



TEST NUMBER: P333693-930

CATALOG NUMBER: S125RDIW-S850D1340U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	393.3	394.1	394.9	395.8	396.7	397.6	397.9	398.3	398.6	398.9	398.9
115°	459.6	460.3	460.7	461.2	461.7	462.2	461.9	461.7	461.5	461.2	461.0
117.5°	522.7	523.1	523.5	523.9	524.3	524.8	525.0	525.1	525.3	525.5	525.1
120°	566.3	567.0	567.2	567.4	567.7	567.9	567.9	567.9	567.9	567.9	567.4
122.5°	607.2	607.8	608.4	609.0	609.6	610.3	610.0	609.8	609.7	609.4	609.0
125°	670.8	671.6	671.9	672.1	672.4	672.6	672.1	671.6	671.2	670.7	670.4
127.5°	731.9	732.4	732.7	733.0	733.3	733.5	733.3	733.0	732.8	732.6	732.2
130°	771.4	772.3	772.7	773.2	773.6	774.1	773.9	773.6	773.5	773.2	772.8
132.5°	812.5	813.4	813.3	813.3	813.2	813.1	812.9	812.6	812.4	812.1	811.7
135°	870.7	871.6	871.8	872.0	872.3	872.5	872.5	872.5	872.5	872.5	872.0
137.5°	927.2	928.1	928.7	929.2	929.8	930.3	930.5	930.8	931.1	931.4	930.9
140°	962.9	963.8	964.5	965.2	965.9	966.6	967.1	967.6	968.0	968.5	968.2
142.5°	998.5	999.4	1000.3	1001.2	1002.1	1003.0	1003.3	1003.6	1003.9	1004.1	1003.7
145°	1051.8	1052.6	1053.4	1054.0	1054.8	1055.5	1055.5	1055.5	1055.5	1055.5	1055.1
147.5°	1099.6	1100.2	1100.7	1101.3	1101.9	1102.4	1103.0	1103.5	1104.1	1104.6	1104.2
150°	1129.6	1129.9	1130.9	1131.9	1132.8	1133.8	1133.8	1133.8	1133.8	1133.8	1133.5
152.5°	1158.9	1159.3	1159.7	1160.0	1160.4	1160.8	1161.4	1161.9	1162.5	1163.0	1162.9
155°	1199.3	1199.4	1199.6	1199.9	1200.1	1200.4	1201.3	1202.2	1203.1	1204.1	1204.0
157.5°	1234.4	1234.3	1234.5	1234.8	1235.0	1235.3	1236.2	1237.1	1238.0	1239.0	1238.7
160°	1255.7	1255.5	1255.7	1256.0	1256.1	1256.4	1257.4	1258.3	1259.2	1260.1	1260.0
162.5°	1275.9	1275.7	1275.7	1275.8	1275.8	1275.9	1277.0	1278.1	1279.2	1280.3	1280.3
165°	1302.1	1302.0	1302.2	1302.4	1302.7	1302.9	1303.9	1304.8	1305.8	1306.7	1306.4
167.5°	1322.3	1321.8	1321.8	1321.8	1321.8	1321.8	1323.1	1324.6	1326.0	1327.4	1327.4
170°	1334.1	1333.6	1333.6	1333.6	1333.6	1333.6	1335.1	1336.4	1337.8	1339.2	1339.1
172.5°	1342.6	1342.1	1342.1	1342.1	1342.1	1342.1	1343.5	1344.9	1346.3	1347.7	1347.7
175°	1352.1	1351.6	1351.6	1351.6	1351.6	1351.6	1353.0	1354.4	1355.8	1357.2	1357.1
177.5°	1357.6	1357.2	1357.0	1356.8	1356.7	1356.4	1357.6	1358.7	1359.8	1361.0	1360.9
180°	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0



TEST NUMBER: P333693-930

CATALOG NUMBER: S125RDIW-S850D1340U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	987.9	984.2	983.2	984.6	983.2	984.2	987.9	988.2	988.6	991.3	987.6
5°	911.4	907.3	909.3	908.5	909.3	907.3	911.4	915.7	916.6	920.3	922.9
7.5°	844.2	838.9	833.4	835.2	833.4	838.9	844.2	844.3	850.9	855.8	859.2
10°	797.1	793.0	790.4	792.5	790.4	793.0	797.1	802.7	805.2	811.1	817.5
12.5°	757.5	755.0	752.8	751.9	752.8	755.0	757.5	763.4	769.3	776.2	783.3
15°	703.6	698.5	696.4	690.9	696.4	698.5	703.6	708.7	720.1	723.1	733.7
17.5°	653.9	652.2	646.7	644.3	646.7	652.2	653.9	658.2	663.5	674.4	682.3
20°	624.4	622.7	617.3	620.6	617.3	622.7	624.4	630.8	635.0	643.9	651.5
22.5°	600.1	596.3	594.5	593.5	594.5	596.3	600.1	603.0	608.6	616.8	625.4
25°	565.6	560.1	558.0	555.5	558.0	560.1	565.6	567.3	573.2	581.2	585.9
27.5°	531.2	528.2	525.5	524.8	525.5	528.2	531.2	533.6	538.7	545.8	554.2
30°	508.8	505.9	503.8	503.8	503.8	505.9	508.8	514.0	517.7	524.1	530.4
32.5°	488.9	486.6	484.5	484.1	484.5	486.6	488.9	491.6	496.1	503.1	509.8
35°	459.7	456.4	455.5	453.0	455.5	456.4	459.7	461.9	466.5	471.6	477.1
37.5°	429.5	426.7	426.6	426.4	426.6	426.7	429.5	433.3	437.2	441.7	448.5
40°	410.3	408.1	407.6	404.7	407.6	408.1	410.3	411.9	416.1	422.1	427.1
42.5°	389.6	388.5	387.0	385.7	387.0	388.5	389.6	393.0	396.5	400.7	407.2
45°	361.5	358.6	358.6	356.4	358.6	358.6	361.5	364.5	366.2	371.3	379.8
47.5°	332.6	330.3	330.5	328.3	330.5	330.3	332.6	333.5	336.2	341.2	345.8
50°	313.2	312.0	311.6	310.7	311.6	312.0	313.2	312.8	316.3	320.9	327.3
52.5°	294.0	293.3	295.0	293.1	295.0	293.3	294.0	294.9	297.3	300.3	306.2
55°	268.0	266.7	269.2	266.7	269.2	266.7	268.0	267.1	268.0	270.9	274.8
57.5°	238.1	236.9	239.2	237.9	239.2	236.9	238.1	238.2	240.8	241.2	244.6
60°	218.4	215.9	217.2	217.6	217.2	215.9	218.4	219.3	220.1	220.5	224.0
62.5°	195.1	193.6	194.4	192.6	194.4	193.6	195.1	197.0	198.8	200.9	202.9
65°	162.2	160.9	159.1	158.3	159.1	160.9	162.2	163.0	167.6	170.2	174.8
67.5°	136.2	133.2	133.1	133.8	133.1	133.2	136.2	136.1	139.4	141.5	144.6
70°	117.2	117.2	116.8	116.8	116.8	117.2	117.2	119.8	121.5	123.2	125.3
72.5°	104.0	103.7	103.0	102.6	103.0	103.7	104.0	104.9	105.9	107.6	109.7
75°	83.8	84.2	83.4	83.0	83.4	84.2	83.8	83.8	85.5	85.9	86.7
77.5°	61.9	60.1	61.1	60.1	61.1	60.1	61.9	63.6	64.2	66.0	66.1
80°	47.0	46.6	47.9	46.6	47.9	46.6	47.0	47.0	48.3	49.1	51.2
82.5°	37.2	36.8	37.3	36.4	37.3	36.8	37.2	36.9	37.4	38.6	38.3
85°	22.4	22.0	21.6	22.0	21.6	22.0	22.4	22.0	21.6	22.0	22.4
87.5°	12.5	12.2	12.4	12.6	12.4	12.2	12.5	12.0	12.1	11.9	11.7
90°	23.2	24.0	24.7	25.4	24.7	24.0	23.2	22.6	21.6	20.5	19.2
92.5°	48.3	48.9	49.4	49.9	49.4	48.9	48.3	47.9	46.8	45.2	43.7
95°	89.5	90.0	90.5	91.0	90.5	90.0	89.5	89.0	88.1	86.3	84.7
97.5°	137.1	137.4	137.6	137.9	137.6	137.4	137.1	136.8	135.8	134.3	132.7
100°	172.0	172.5	173.0	173.4	173.0	172.5	172.0	171.5	170.2	168.1	166.1
102.5°	207.0	207.7	208.3	209.0	208.3	207.7	207.0	206.4	204.9	202.5	200.2
105°	260.2	260.9	261.5	262.3	261.5	260.9	260.2	259.4	258.4	257.0	255.6
107.5°	317.0	316.9	316.9	316.8	316.9	316.9	317.0	317.1	316.7	316.0	315.3
110°	358.2	357.9	357.7	357.4	357.7	357.9	358.2	358.4	358.2	357.4	356.8



TEST NUMBER: P333693-930

CATALOG NUMBER: S125RDIW-S850D1340U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	398.5	398.1	397.6	397.2	397.6	398.1	398.5	398.9	398.9	398.6	398.3
115°	460.7	460.5	460.3	460.1	460.3	460.5	460.7	461.0	461.2	461.5	461.7
117.5°	524.2	523.3	522.4	521.4	522.4	523.3	524.2	525.1	525.5	525.3	525.1
120°	566.5	565.6	564.6	563.7	564.6	565.6	566.5	567.4	567.9	567.9	567.9
122.5°	608.2	607.5	606.7	606.0	606.7	607.5	608.2	609.0	609.4	609.7	609.8
125°	670.2	669.9	669.7	669.4	669.7	669.9	670.2	670.4	670.7	671.2	671.6
127.5°	731.8	731.3	730.8	730.3	730.8	731.3	731.8	732.2	732.6	732.8	733.0
130°	772.4	771.9	771.4	770.9	771.4	771.9	772.4	772.8	773.2	773.5	773.6
132.5°	811.1	810.3	809.7	809.0	809.7	810.3	811.1	811.7	812.1	812.4	812.6
135°	871.1	870.2	869.2	868.3	869.2	870.2	871.1	872.0	872.5	872.5	872.5
137.5°	929.8	928.5	927.4	926.3	927.4	928.5	929.8	930.9	931.4	931.1	930.8
140°	966.9	965.8	964.7	963.4	964.7	965.8	966.9	968.2	968.5	968.0	967.6
142.5°	1002.5	1001.4	1000.1	999.0	1000.1	1001.4	1002.5	1003.7	1004.1	1003.9	1003.6
145°	1054.4	1053.7	1053.0	1052.3	1053.0	1053.7	1054.4	1055.1	1055.5	1055.5	1055.5
147.5°	1102.5	1101.0	1099.3	1097.8	1099.3	1101.0	1102.5	1104.2	1104.6	1104.1	1103.5
150°	1133.0	1132.5	1132.0	1131.6	1132.0	1132.5	1133.0	1133.5	1133.8	1133.8	1133.8
152.5°	1162.0	1161.2	1160.3	1159.5	1160.3	1161.2	1162.0	1162.9	1163.0	1162.5	1161.9
155°	1202.8	1201.7	1200.4	1199.3	1200.4	1201.7	1202.8	1204.0	1204.1	1203.1	1202.2
157.5°	1237.1	1235.6	1234.0	1232.5	1234.0	1235.6	1237.1	1238.7	1239.0	1238.0	1237.1
160°	1258.9	1257.7	1256.5	1255.3	1256.5	1257.7	1258.9	1260.0	1260.1	1259.2	1258.3
162.5°	1278.9	1277.5	1276.2	1274.8	1276.2	1277.5	1278.9	1280.3	1280.3	1279.2	1278.1
165°	1305.0	1303.7	1302.2	1300.8	1302.2	1303.7	1305.0	1306.4	1306.7	1305.8	1304.8
167.5°	1325.9	1324.5	1323.0	1321.5	1323.0	1324.5	1325.9	1327.4	1327.4	1326.0	1324.6
170°	1337.5	1335.9	1334.2	1332.5	1334.2	1335.9	1337.5	1339.1	1339.2	1337.8	1336.4
172.5°	1346.2	1344.8	1343.3	1341.8	1343.3	1344.8	1346.2	1347.7	1347.7	1346.3	1344.9
175°	1355.4	1353.8	1352.2	1350.5	1352.2	1353.8	1355.4	1357.1	1357.2	1355.8	1354.4
177.5°	1359.5	1358.2	1356.9	1355.6	1356.9	1358.2	1359.5	1360.9	1361.0	1359.8	1358.7
180°	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0



TEST NUMBER: P333693-930

CATALOG NUMBER: S125RDIW-S850D1340U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	988.6	992.3	994.3	999.1	1005.8	1009.3	1014.0	1017.4	1022.1	1027.8	1032.7
5°	924.5	934.7	941.5	952.1	961.8	971.6	983.8	992.7	1004.6	1018.1	1028.7
7.5°	865.1	877.8	889.1	903.1	919.2	931.7	947.7	964.0	982.6	1001.8	1019.9
10°	827.2	839.9	853.9	871.2	887.3	904.2	923.3	942.3	965.6	987.2	1011.8
12.5°	789.6	803.6	819.4	838.7	858.2	879.9	899.3	920.7	945.7	973.7	1000.0
15°	743.0	756.5	773.5	789.9	812.4	836.1	861.9	890.3	918.3	949.6	982.2
17.5°	692.9	707.8	726.4	745.6	769.2	797.0	822.3	853.4	884.8	921.3	959.6
20°	660.4	675.6	697.7	718.8	740.5	767.5	797.6	829.3	862.7	901.3	944.0
22.5°	634.7	645.6	667.2	688.7	714.0	741.8	771.2	804.3	840.7	880.6	925.4
25°	596.5	609.2	624.8	647.3	673.5	702.8	732.4	767.5	807.3	848.0	895.8
27.5°	562.6	573.0	588.5	606.1	632.2	662.5	694.1	730.7	771.5	812.9	863.2
30°	538.5	549.9	564.8	583.3	604.1	637.2	669.3	705.3	746.8	789.5	841.1
32.5°	517.5	529.3	542.0	559.6	582.1	611.4	644.6	679.9	722.0	766.1	816.4
35°	488.1	496.2	508.0	525.4	547.4	571.1	605.0	642.2	683.3	729.0	779.3
37.5°	454.4	464.8	476.6	491.7	510.9	536.6	568.1	605.8	643.9	687.7	733.7
40°	434.8	444.5	457.6	468.6	488.9	512.3	541.0	580.4	618.5	659.6	701.5
42.5°	414.8	424.2	435.3	449.0	467.2	489.9	516.7	553.3	594.1	632.8	668.0
45°	383.5	393.3	403.9	416.5	433.5	455.5	482.2	515.6	551.2	586.8	613.4
47.5°	353.7	362.8	372.8	385.8	401.5	422.7	446.5	476.1	510.6	540.9	559.9
50°	332.3	340.8	351.8	364.5	379.8	399.7	422.5	451.7	480.5	508.0	525.4
52.5°	311.4	320.8	331.8	342.8	357.4	377.3	398.4	423.6	451.0	473.4	487.8
55°	279.8	288.7	298.9	310.3	324.7	341.6	364.1	384.0	405.5	424.6	433.1
57.5°	249.4	257.2	266.8	278.7	291.6	307.4	325.1	344.3	359.5	373.0	382.5
60°	229.4	236.2	245.1	255.3	269.2	283.6	299.7	317.5	329.4	340.8	349.7
62.5°	209.1	215.6	224.1	233.3	245.6	258.9	274.3	288.7	300.3	307.9	318.2
65°	178.6	185.0	192.2	201.9	211.7	222.7	236.7	247.2	255.3	263.7	270.1
67.5°	150.3	155.6	162.4	170.0	178.2	188.8	199.7	208.5	213.9	219.1	226.7
70°	131.7	135.9	141.4	147.3	156.2	166.8	175.3	182.1	185.9	190.9	200.2
72.5°	112.7	117.6	122.8	128.7	135.9	144.8	152.2	159.0	161.4	165.5	171.5
75°	88.9	91.5	95.7	99.9	105.0	112.6	119.8	121.5	123.6	127.0	131.3
77.5°	67.3	69.5	71.2	74.0	78.0	84.1	88.0	90.5	91.0	92.3	96.4
80°	53.3	54.6	56.3	58.5	60.1	65.2	67.3	69.9	70.7	72.0	74.1
82.5°	39.1	40.4	41.4	43.2	45.9	47.9	50.1	52.6	52.7	53.6	54.1
85°	22.8	23.3	22.4	23.3	23.7	24.5	26.7	28.8	28.4	28.0	29.2
87.5°	11.7	11.5	10.8	11.5	10.5	10.5	10.2	10.1	10.4	10.8	11.1
90°	18.1	17.0	15.2	13.6	12.0	10.4	8.6	6.7	4.8	2.9	1.1
92.5°	42.2	40.6	38.6	36.6	34.6	32.5	30.8	29.5	28.2	26.9	25.6
95°	83.1	81.4	79.1	76.7	74.4	72.1	70.6	70.1	69.7	69.2	68.7
97.5°	131.2	129.6	126.5	123.2	119.9	116.7	115.0	114.8	114.6	114.4	114.2
100°	164.0	161.8	158.7	155.7	152.6	149.6	148.1	148.1	148.1	148.1	148.1
102.5°	198.0	195.7	194.1	192.6	191.0	189.5	188.2	187.3	186.3	185.4	184.4
105°	254.2	252.7	251.4	250.0	248.5	247.1	245.8	244.7	243.4	242.3	241.2
107.5°	314.6	313.9	312.8	311.7	310.6	309.6	308.4	307.3	306.1	304.9	303.7
110°	356.0	355.3	354.7	353.9	353.3	352.5	351.6	350.4	349.3	348.1	346.9



TEST NUMBER: P333693-930

CATALOG NUMBER: S125RDIW-S850D1340U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	397.9	397.6	396.7	395.8	394.9	394.1	393.3	392.7	392.1	391.5	390.9
115°	461.9	462.2	461.7	461.2	460.7	460.3	459.6	458.6	457.7	456.7	455.8
117.5°	525.0	524.8	524.3	523.9	523.5	523.1	522.7	522.2	521.8	521.4	521.0
120°	567.9	567.9	567.7	567.4	567.2	567.0	566.3	565.1	563.9	562.7	561.6
122.5°	610.0	610.3	609.6	609.0	608.4	607.8	607.2	606.8	606.4	606.0	605.6
125°	672.1	672.6	672.4	672.1	671.9	671.6	670.8	669.4	668.1	666.6	665.2
127.5°	733.3	733.5	733.3	733.0	732.7	732.4	731.9	731.1	730.3	729.4	728.6
130°	773.9	774.1	773.6	773.2	772.7	772.3	771.4	770.3	769.1	767.9	766.7
132.5°	812.9	813.1	813.2	813.3	813.3	813.4	812.5	810.6	808.7	806.7	804.8
135°	872.5	872.5	872.3	872.0	871.8	871.6	870.7	869.4	867.9	866.5	865.1
137.5°	930.5	930.3	929.8	929.2	928.7	928.1	927.2	925.9	924.5	923.2	921.8
140°	967.1	966.6	965.9	965.2	964.5	963.8	962.9	961.7	960.5	959.4	958.1
142.5°	1003.3	1003.0	1002.1	1001.2	1000.3	999.4	998.5	997.5	996.5	995.6	994.6
145°	1055.5	1055.5	1054.8	1054.0	1053.4	1052.6	1051.8	1050.8	1049.9	1049.0	1048.1
147.5°	1103.0	1102.4	1101.9	1101.3	1100.7	1100.2	1099.6	1099.1	1098.6	1098.0	1097.6
150°	1133.8	1133.8	1132.8	1131.9	1130.9	1129.9	1129.6	1129.8	1130.1	1130.3	1130.6
152.5°	1161.4	1160.8	1160.4	1160.0	1159.7	1159.3	1158.9	1158.6	1158.3	1158.0	1157.6
155°	1201.3	1200.4	1200.1	1199.9	1199.6	1199.4	1199.3	1199.3	1199.3	1199.3	1199.3
157.5°	1236.2	1235.3	1235.0	1234.8	1234.5	1234.3	1234.4	1234.9	1235.5	1236.0	1236.5
160°	1257.4	1256.4	1256.1	1256.0	1255.7	1255.5	1255.7	1256.4	1257.1	1257.8	1258.5
162.5°	1277.0	1275.9	1275.8	1275.8	1275.7	1275.7	1275.9	1276.4	1276.9	1277.5	1278.0
165°	1303.9	1302.9	1302.7	1302.4	1302.2	1302.0	1302.1	1302.6	1303.0	1303.5	1304.0
167.5°	1323.1	1321.8	1321.8	1321.8	1321.8	1321.8	1322.3	1323.1	1324.1	1325.0	1326.0
170°	1335.1	1333.6	1333.6	1333.6	1333.6	1333.6	1334.1	1335.1	1335.9	1336.9	1337.8
172.5°	1343.5	1342.1	1342.1	1342.1	1342.1	1342.1	1342.6	1343.5	1344.4	1345.3	1346.3
175°	1353.0	1351.6	1351.6	1351.6	1351.6	1351.6	1352.1	1353.0	1354.0	1354.9	1355.8
177.5°	1357.6	1356.4	1356.7	1356.8	1357.0	1357.2	1357.6	1358.5	1359.2	1359.9	1360.7
180°	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0



TEST NUMBER: P333693-930

CATALOG NUMBER: S125RDIW-S850D1340U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	1036.3	1039.4	1043.8	1048.9	1053.0	1057.4	1059.7	1059.7	1061.8	1066.2	1071.9
5°	1039.3	1050.4	1060.9	1074.5	1085.0	1097.3	1106.6	1115.5	1123.6	1133.7	1144.3
7.5°	1038.4	1056.7	1075.8	1097.1	1120.7	1139.4	1158.6	1173.7	1188.5	1208.0	1223.4
10°	1035.1	1058.7	1084.6	1111.7	1141.3	1167.2	1190.4	1211.6	1231.9	1253.1	1272.1
12.5°	1029.0	1059.2	1090.7	1123.2	1160.7	1190.2	1220.3	1242.8	1266.5	1289.6	1313.1
15°	1019.9	1055.4	1093.5	1138.8	1184.5	1217.6	1247.2	1276.4	1298.4	1324.6	1347.1
17.5°	1000.9	1046.8	1094.7	1144.2	1188.1	1226.5	1257.6	1285.3	1308.8	1337.7	1368.2
20°	989.8	1039.3	1089.2	1142.2	1184.1	1223.4	1253.5	1282.3	1311.5	1349.2	1386.4
22.5°	974.2	1027.1	1080.1	1130.3	1174.6	1212.6	1243.7	1279.0	1317.3	1360.0	1405.1
25°	949.6	1004.2	1056.6	1104.5	1147.7	1186.7	1229.0	1276.4	1323.0	1379.2	1444.1
27.5°	918.4	970.9	1017.8	1068.4	1111.3	1160.8	1213.7	1265.0	1332.2	1409.7	1490.5
30°	895.0	944.9	989.4	1037.2	1085.9	1140.5	1199.8	1260.3	1340.3	1431.3	1527.5
32.5°	867.9	913.1	957.2	1003.3	1059.5	1119.5	1182.5	1256.5	1352.2	1455.7	1555.2
35°	820.8	861.5	904.2	955.4	1015.2	1080.4	1160.8	1251.0	1366.5	1477.9	1567.2
37.5°	771.6	803.6	846.6	900.7	965.6	1041.1	1132.4	1241.9	1360.7	1460.5	1498.5
40°	733.7	763.7	809.0	865.8	930.1	1012.6	1115.1	1227.7	1347.1	1416.5	1413.6
42.5°	696.0	726.4	770.1	827.1	894.2	986.6	1092.1	1209.1	1309.9	1336.3	1281.2
45°	638.4	666.8	709.6	767.1	839.1	936.0	1046.9	1159.1	1223.4	1180.7	1071.5
47.5°	579.7	607.2	646.9	703.3	781.8	883.3	988.1	1080.2	1089.2	997.4	866.4
50°	541.0	566.9	604.5	664.6	740.9	839.9	941.1	1013.5	991.1	878.9	743.8
52.5°	503.4	528.2	563.5	620.3	698.1	795.2	885.6	942.3	890.5	771.2	649.6
55°	447.9	471.6	507.2	559.2	629.9	718.8	798.0	818.7	742.6	622.3	524.1
57.5°	395.2	412.5	447.7	493.7	561.8	640.3	697.0	693.2	609.2	500.9	430.5
60°	360.3	375.9	409.4	451.7	516.5	586.8	626.6	609.6	524.5	435.2	367.5
62.5°	327.8	342.4	370.4	409.4	465.0	526.1	555.1	531.7	451.3	372.9	319.0
65°	278.6	289.1	311.6	347.6	391.2	433.5	459.3	425.0	353.9	294.6	254.0
67.5°	232.6	241.7	261.7	287.6	317.6	346.8	357.3	325.1	269.9	229.9	201.3
70°	202.8	211.2	224.8	248.9	268.8	289.6	294.6	265.9	219.7	189.2	171.5
72.5°	174.3	182.1	194.0	211.0	224.8	236.8	239.1	212.4	177.0	156.0	142.4
75°	132.9	139.7	147.3	153.7	162.6	164.7	163.8	143.1	124.0	110.1	102.5
77.5°	97.7	100.5	105.2	107.7	108.1	107.9	103.6	90.5	80.7	74.9	71.8
80°	75.3	77.5	78.8	79.6	80.0	75.7	71.1	63.1	59.7	56.3	52.5
82.5°	54.7	56.2	57.4	57.6	55.3	51.8	47.5	43.5	41.1	39.4	37.9
85°	29.6	30.1	29.6	27.6	24.5	23.3	22.4	21.6	21.2	20.7	20.7
87.5°	11.1	10.4	9.1	9.9	10.2	10.2	10.5	10.5	10.5	10.8	11.0
90°	2.9	4.8	6.7	8.6	10.4	12.0	13.6	15.2	17.0	18.1	19.2
92.5°	26.9	28.2	29.5	30.8	32.5	34.6	36.6	38.6	40.6	42.2	43.7
95°	69.2	69.7	70.1	70.6	72.1	74.4	76.7	79.1	81.4	83.1	84.7
97.5°	114.4	114.6	114.8	115.0	116.7	119.9	123.2	126.5	129.6	131.2	132.7
100°	148.1	148.1	148.1	148.1	149.6	152.6	155.7	158.7	161.8	164.0	166.1
102.5°	185.4	186.3	187.3	188.2	189.5	191.0	192.6	194.1	195.7	198.0	200.2
105°	242.3	243.4	244.7	245.8	247.1	248.5	250.0	251.4	252.7	254.2	255.6
107.5°	304.9	306.1	307.3	308.4	309.6	310.6	311.7	312.8	313.9	314.6	315.3
110°	348.1	349.3	350.4	351.6	352.5	353.3	353.9	354.7	355.3	356.0	356.8





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	391.5	392.1	392.7	393.3	394.1	394.9	395.8	396.7	397.6	397.9	398.3
115°	456.7	457.7	458.6	459.6	460.3	460.7	461.2	461.7	462.2	461.9	461.7
117.5°	521.4	521.8	522.2	522.7	523.1	523.5	523.9	524.3	524.8	525.0	525.1
120°	562.7	563.9	565.1	566.3	567.0	567.2	567.4	567.7	567.9	567.9	567.9
122.5°	606.0	606.4	606.8	607.2	607.8	608.4	609.0	609.6	610.3	610.0	609.8
125°	666.6	668.1	669.4	670.8	671.6	671.9	672.1	672.4	672.6	672.1	671.6
127.5°	729.4	730.3	731.1	731.9	732.4	732.7	733.0	733.3	733.5	733.3	733.0
130°	767.9	769.1	770.3	771.4	772.3	772.7	773.2	773.6	774.1	773.9	773.6
132.5°	806.7	808.7	810.6	812.5	813.4	813.3	813.3	813.2	813.1	812.9	812.6
135°	866.5	867.9	869.4	870.7	871.6	871.8	872.0	872.3	872.5	872.5	872.5
137.5°	923.2	924.5	925.9	927.2	928.1	928.7	929.2	929.8	930.3	930.5	930.8
140°	959.4	960.5	961.7	962.9	963.8	964.5	965.2	965.9	966.6	967.1	967.6
142.5°	995.6	996.5	997.5	998.5	999.4	1000.3	1001.2	1002.1	1003.0	1003.3	1003.6
145°	1049.0	1049.9	1050.8	1051.8	1052.6	1053.4	1054.0	1054.8	1055.5	1055.5	1055.5
147.5°	1098.0	1098.6	1099.1	1099.6	1100.2	1100.7	1101.3	1101.9	1102.4	1103.0	1103.5
150°	1130.3	1130.1	1129.8	1129.6	1129.9	1130.9	1131.9	1132.8	1133.8	1133.8	1133.8
152.5°	1158.0	1158.3	1158.6	1158.9	1159.3	1159.7	1160.0	1160.4	1160.8	1161.4	1161.9
155°	1199.3	1199.3	1199.3	1199.3	1199.4	1199.6	1199.9	1200.1	1200.4	1201.3	1202.2
157.5°	1236.0	1235.5	1234.9	1234.4	1234.3	1234.5	1234.8	1235.0	1235.3	1236.2	1237.1
160°	1257.8	1257.1	1256.4	1255.7	1255.5	1255.7	1256.0	1256.1	1256.4	1257.4	1258.3
162.5°	1277.5	1276.9	1276.4	1275.9	1275.7	1275.7	1275.8	1275.8	1275.9	1277.0	1278.1
165°	1303.5	1303.0	1302.6	1302.1	1302.0	1302.2	1302.4	1302.7	1302.9	1303.9	1304.8
167.5°	1325.0	1324.1	1323.1	1322.3	1321.8	1321.8	1321.8	1321.8	1321.8	1323.1	1324.6
170°	1336.9	1335.9	1335.1	1334.1	1333.6	1333.6	1333.6	1333.6	1333.6	1335.1	1336.4
172.5°	1345.3	1344.4	1343.5	1342.6	1342.1	1342.1	1342.1	1342.1	1342.1	1343.5	1344.9
175°	1354.9	1354.0	1353.0	1352.1	1351.6	1351.6	1351.6	1351.6	1351.6	1353.0	1354.4
177.5°	1359.9	1359.2	1358.5	1357.6	1357.2	1357.0	1356.8	1356.7	1356.4	1357.6	1358.7
180°	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	1076.3	1076.3	1082.1	1081.7	1085.5	1084.1	1084.8
5°	1157.0	1164.2	1170.5	1174.8	1181.1	1182.8	1181.9
7.5°	1240.6	1256.6	1264.4	1275.1	1277.1	1282.6	1282.1
10°	1292.5	1308.1	1320.0	1329.3	1334.0	1339.9	1340.3
12.5°	1333.1	1346.4	1356.9	1365.5	1371.2	1373.0	1374.2
15°	1364.9	1379.6	1392.0	1404.2	1411.4	1416.9	1419.9
17.5°	1396.9	1419.8	1441.4	1458.1	1468.1	1476.5	1476.4
20°	1421.6	1447.8	1475.0	1494.0	1513.4	1521.9	1523.2
22.5°	1448.0	1488.2	1523.1	1552.6	1578.2	1587.0	1590.2
25°	1502.8	1555.3	1609.2	1650.7	1680.3	1697.6	1700.1
27.5°	1569.1	1640.2	1696.8	1735.0	1759.7	1772.5	1775.3
30°	1615.9	1681.6	1732.3	1761.1	1772.5	1774.3	1767.9
32.5°	1636.9	1686.0	1706.3	1704.5	1682.1	1667.2	1661.5
35°	1611.3	1601.1	1551.5	1492.3	1447.0	1418.2	1410.5
37.5°	1466.3	1378.7	1287.5	1198.0	1150.3	1126.1	1084.4
40°	1323.4	1198.5	1103.7	1028.3	974.5	931.3	921.2
42.5°	1162.1	1033.2	938.4	873.8	831.0	801.3	788.4
45°	933.9	823.0	744.7	695.1	662.1	640.5	630.8
47.5°	747.0	661.1	604.1	567.4	542.3	523.4	518.2
50°	644.3	575.8	527.5	496.6	477.5	463.2	457.2
52.5°	559.6	504.3	467.2	441.7	423.7	414.7	409.8
55°	461.9	414.0	387.3	367.0	356.9	349.7	346.3
57.5°	377.7	343.2	323.7	309.7	300.3	295.6	294.0
60°	330.6	303.5	285.8	274.8	268.4	262.4	260.8
62.5°	288.9	267.7	253.9	244.3	237.9	235.4	234.4
65°	232.8	218.9	208.7	202.8	197.7	196.9	196.4
67.5°	185.1	176.8	171.5	165.3	163.5	160.6	160.0
70°	158.3	152.8	146.5	144.4	142.3	139.3	139.7
72.5°	134.3	128.8	124.5	121.6	120.9	119.6	120.7
75°	98.2	96.5	94.8	92.7	91.9	91.9	91.5
77.5°	70.1	68.6	66.8	65.6	65.3	63.5	64.2
80°	50.8	48.7	47.9	48.3	47.0	46.6	46.6
82.5°	37.6	36.9	36.0	36.0	35.8	35.4	35.7
85°	20.7	20.3	20.3	19.9	19.9	19.5	19.5
87.5°	11.6	12.1	11.7	11.4	11.6	12.1	12.6
90°	20.5	21.6	22.6	23.2	24.0	24.7	25.4
92.5°	45.2	46.8	47.9	48.3	48.9	49.4	49.9
95°	86.3	88.1	89.0	89.5	90.0	90.5	91.0
97.5°	134.3	135.8	136.8	137.1	137.4	137.6	137.9
100°	168.1	170.2	171.5	172.0	172.5	173.0	173.4
102.5°	202.5	204.9	206.4	207.0	207.7	208.3	209.0
105°	257.0	258.4	259.4	260.2	260.9	261.5	262.3
107.5°	316.0	316.7	317.1	317.0	316.9	316.9	316.8
110°	357.4	358.2	358.4	358.2	357.9	357.7	357.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	398.6	398.9	398.9	398.5	398.1	397.6	397.2
115°	461.5	461.2	461.0	460.7	460.5	460.3	460.1
117.5°	525.3	525.5	525.1	524.2	523.3	522.4	521.4
120°	567.9	567.9	567.4	566.5	565.6	564.6	563.7
122.5°	609.7	609.4	609.0	608.2	607.5	606.7	606.0
125°	671.2	670.7	670.4	670.2	669.9	669.7	669.4
127.5°	732.8	732.6	732.2	731.8	731.3	730.8	730.3
130°	773.5	773.2	772.8	772.4	771.9	771.4	770.9
132.5°	812.4	812.1	811.7	811.1	810.3	809.7	809.0
135°	872.5	872.5	872.0	871.1	870.2	869.2	868.3
137.5°	931.1	931.4	930.9	929.8	928.5	927.4	926.3
140°	968.0	968.5	968.2	966.9	965.8	964.7	963.4
142.5°	1003.9	1004.1	1003.7	1002.5	1001.4	1000.1	999.0
145°	1055.5	1055.5	1055.1	1054.4	1053.7	1053.0	1052.3
147.5°	1104.1	1104.6	1104.2	1102.5	1101.0	1099.3	1097.8
150°	1133.8	1133.8	1133.5	1133.0	1132.5	1132.0	1131.6
152.5°	1162.5	1163.0	1162.9	1162.0	1161.2	1160.3	1159.5
155°	1203.1	1204.1	1204.0	1202.8	1201.7	1200.4	1199.3
157.5°	1238.0	1239.0	1238.7	1237.1	1235.6	1234.0	1232.5
160°	1259.2	1260.1	1260.0	1258.9	1257.7	1256.5	1255.3
162.5°	1279.2	1280.3	1280.3	1278.9	1277.5	1276.2	1274.8
165°	1305.8	1306.7	1306.4	1305.0	1303.7	1302.2	1300.8
167.5°	1326.0	1327.4	1327.4	1325.9	1324.5	1323.0	1321.5
170°	1337.8	1339.2	1339.1	1337.5	1335.9	1334.2	1332.5
172.5°	1346.3	1347.7	1347.7	1346.2	1344.8	1343.3	1341.8
175°	1355.8	1357.2	1357.1	1355.4	1353.8	1352.2	1350.5
177.5°	1359.8	1361.0	1360.9	1359.5	1358.2	1356.9	1355.6
180°	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0

(END OF REPORT)