

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: P333697-927

Luminaire Tested: **S125RDIW-S850D1560U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333697-927
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-S850D1560U927-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6883.4 lumens
Efficiency: N/A
Efficacy: 101.1 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: Semi-Indirect

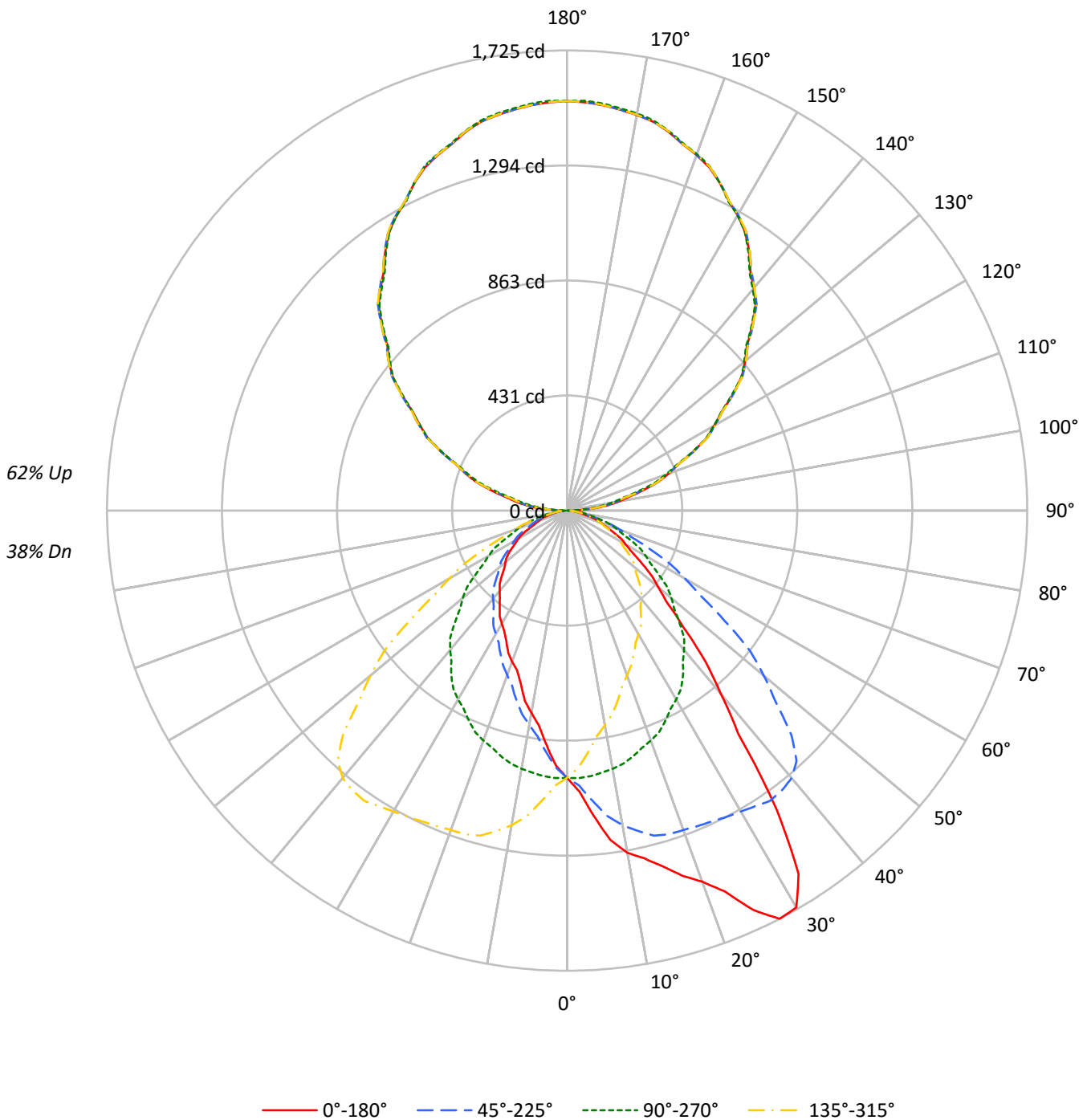
Input Watts (W): 68.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	95	91	88	84	86	83	80	77	67	65	63	53	52	51	40	39	39	32
2	87	80	74	69	79	73	68	64	59	56	53	47	45	43	36	34	33	28
3	80	71	64	58	72	64	58	53	53	48	45	42	39	36	32	30	28	24
4	73	62	55	49	66	57	51	45	47	42	38	37	34	31	29	26	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	23	21	18
6	62	50	42	36	56	46	39	34	38	33	29	30	27	24	23	21	19	16
7	57	45	37	32	52	41	35	30	34	29	25	28	24	21	21	19	17	14
8	53	41	33	28	48	38	31	26	31	26	23	25	22	19	20	17	15	13
9	49	37	30	25	45	34	28	23	29	24	20	23	20	17	18	16	14	11
10	46	34	27	22	42	31	25	21	26	21	18	21	18	15	17	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6471	6471	6471	6471
5°	7445	6480	5723	6480
10°	8540	6447	5050	6447
15°	9225	6381	4488	6381
20°	10172	6304	4144	6304
25°	11771	6202	3846	6202
30°	12810	6095	3650	6095
35°	10806	5970	3470	5970
40°	7546	5746	3315	5746
45°	5598	5444	3163	5444
50°	4464	5129	3033	5129
55°	3788	4738	2917	4738
60°	3273	4389	2731	4389
65°	2916	4010	2350	4010
70°	2564	3675	2143	3675
75°	2218	3182	2011	3182
80°	1681	2678	1681	2678
85°	1401	2104	1586	2104



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	1.4
10°-20°	281.6	4.1
20°-30°	446.5	6.5
30°-40°	538.4	7.8
40°-50°	480.8	7.0
50°-60°	368.7	5.4
60°-70°	239.6	3.5
70°-80°	116.5	1.7
80°-90°	31.2	0.5
90°-100°	102.8	1.5
100°-110°	303.6	4.4
110°-120°	514.3	7.5
120°-130°	676.9	9.8
130°-140°	758.4	11.0
140°-150°	743.3	10.8
150°-160°	624.3	9.1
160°-170°	415.0	6.0
170°-180°	145.2	2.1
0°-30°	824.2	12.0
0°-40°	1362.6	19.8
0°-60°	2212.2	32.1
0°-90°	2599.4	37.8
90°-120°	920.8	13.4
90°-150°	3099.4	45.0
90°-180°	4284.0	62.2
0°-180°	6883.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1002	1002	1002	1002	1002	
5°	1148	1000	883	1000	1148	115
15°	1380	954	671	954	1380	395
25°	1652	870	540	870	1652	758
35°	1371	757	440	757	1371	828
45°	613	596	346	596	613	489
55°	336	421	259	421	336	305
65°	191	262	154	262	191	190
75°	89	128	81	128	89	95
85°	19	28	21	28	19	22
90°	29	1	29	1	29	17
95°	103	78	103	78	103	105
105°	296	272	296	272	296	314
115°	520	515	520	515	520	514
125°	756	752	756	752	756	675
135°	981	977	981	977	981	757
145°	1189	1184	1189	1184	1189	742
155°	1355	1355	1355	1355	1355	623
165°	1470	1473	1470	1473	1470	414
175°	1526	1532	1526	1532	1526	145
180°	1535	1535	1535	1535	1535	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	1054.0	1053.4	1054.7	1051.1	1051.4	1045.8	1045.8	1041.5	1035.9	1031.7	1029.7
5°	1148.4	1149.3	1147.6	1141.5	1137.3	1131.2	1124.2	1111.8	1101.5	1091.7	1083.9
7.5°	1245.7	1246.3	1240.9	1239.0	1228.6	1221.0	1205.5	1188.7	1173.8	1154.8	1140.4
10°	1302.3	1301.9	1296.2	1291.6	1282.5	1271.1	1255.8	1236.0	1217.6	1197.0	1177.3
12.5°	1335.2	1334.1	1332.3	1326.8	1318.4	1308.2	1295.3	1275.9	1253.1	1230.6	1207.5
15°	1379.7	1376.7	1371.4	1364.4	1352.5	1340.5	1326.2	1308.9	1287.1	1261.6	1240.2
17.5°	1434.6	1434.6	1426.5	1416.7	1400.5	1379.5	1357.2	1329.4	1299.7	1271.7	1248.9
20°	1480.0	1478.8	1470.5	1451.6	1433.1	1406.8	1381.2	1347.1	1310.9	1274.3	1245.9
22.5°	1545.2	1542.0	1533.4	1508.6	1479.9	1446.0	1406.9	1365.2	1321.4	1279.9	1242.7
25°	1651.9	1649.5	1632.6	1603.9	1563.5	1511.2	1460.2	1403.1	1340.1	1285.5	1240.2
27.5°	1725.0	1722.3	1709.8	1685.8	1648.7	1593.7	1524.6	1448.3	1369.7	1294.4	1229.2
30°	1717.8	1723.9	1722.3	1711.2	1683.2	1633.9	1570.1	1484.2	1390.8	1302.3	1224.6
32.5°	1614.4	1619.9	1634.4	1656.2	1657.9	1638.2	1590.5	1511.1	1414.4	1313.8	1220.9
35°	1370.6	1378.0	1406.0	1450.0	1507.5	1555.7	1565.6	1522.8	1436.0	1327.8	1215.5
37.5°	1053.7	1094.2	1117.7	1164.0	1251.0	1339.6	1424.7	1456.0	1419.1	1322.1	1206.7
40°	895.1	904.9	946.9	999.2	1072.4	1164.5	1285.9	1373.5	1376.3	1308.9	1192.9
42.5°	766.0	778.6	807.4	849.1	911.8	1003.9	1129.2	1244.8	1298.4	1272.7	1174.8
45°	612.9	622.3	643.3	675.4	723.6	799.6	907.4	1041.1	1147.2	1188.7	1126.2
47.5°	503.5	508.6	526.9	551.3	586.9	642.4	725.8	841.9	969.2	1058.4	1049.6
50°	444.3	450.0	464.0	482.5	512.5	559.4	626.1	722.7	854.0	963.0	984.8
52.5°	398.2	403.0	411.7	429.2	453.9	490.0	543.8	631.2	749.3	865.2	915.6
55°	336.4	339.8	346.7	356.6	376.4	402.3	448.8	509.2	604.7	721.5	795.5
57.5°	285.7	287.2	291.8	300.9	314.5	333.4	367.0	418.3	486.7	591.9	673.6
60°	253.4	255.0	260.8	267.0	277.7	294.9	321.2	357.0	422.9	509.6	592.3
62.5°	227.8	228.7	231.2	237.3	246.7	260.1	280.7	310.0	362.3	438.6	516.7
65°	190.8	191.3	192.1	197.0	202.8	212.7	226.2	246.8	286.3	343.9	413.0
67.5°	155.5	156.1	158.9	160.7	166.7	171.8	179.8	195.6	223.4	262.2	315.9
70°	135.8	135.3	138.2	140.3	142.4	148.5	153.8	166.6	183.9	213.5	258.3
72.5°	117.3	116.2	117.5	118.2	121.0	125.2	130.5	138.3	151.6	172.0	206.4
75°	88.9	89.3	89.3	90.1	92.1	93.8	95.5	99.6	106.9	120.5	139.0
77.5°	62.3	61.7	63.5	63.7	64.9	66.7	68.1	69.8	72.8	78.4	87.9
80°	45.2	45.2	45.6	46.9	46.5	47.3	49.4	51.0	54.7	58.0	61.3
82.5°	34.7	34.4	34.8	35.0	34.9	35.8	36.5	36.8	38.3	39.9	42.2
85°	18.9	18.9	19.3	19.3	19.7	19.7	20.1	20.1	20.1	20.6	21.0
87.5°	13.0	12.5	12.0	11.8	12.0	12.4	11.9	11.2	11.0	10.7	10.7
90°	28.7	27.9	27.1	26.3	25.5	24.4	23.1	21.8	20.4	19.1	17.3
92.5°	56.4	55.8	55.2	54.7	54.0	52.9	51.1	49.4	47.6	45.9	43.6
95°	102.7	102.2	101.7	101.2	100.6	99.4	97.6	95.7	93.9	92.0	89.4
97.5°	155.8	155.5	155.2	154.9	154.6	153.4	151.7	150.0	148.2	146.5	142.8
100°	195.9	195.4	194.9	194.3	193.8	192.3	190.0	187.6	185.2	182.8	179.4
102.5°	236.1	235.4	234.6	233.9	233.1	231.4	228.9	226.2	223.6	221.0	219.3
105°	296.3	295.5	294.7	293.9	293.1	291.9	290.3	288.8	287.2	285.6	283.9
107.5°	357.9	358.0	358.1	358.1	358.1	357.7	357.0	356.2	355.4	354.6	353.4
110°	403.9	404.1	404.3	404.6	404.9	404.6	403.9	403.1	402.2	401.4	400.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	448.8	449.2	449.7	450.2	450.7	450.7	450.4	450.0	449.6	449.2	448.2
115°	519.8	520.0	520.2	520.5	520.8	521.0	521.3	521.6	521.8	522.1	521.6
117.5°	589.0	590.1	591.1	592.2	593.3	593.7	593.5	593.3	593.0	592.9	592.3
120°	636.8	637.9	638.9	640.0	641.0	641.6	641.6	641.6	641.6	641.6	641.3
122.5°	684.6	685.4	686.3	687.1	688.0	688.5	688.7	689.0	689.1	689.4	688.6
125°	756.3	756.5	756.8	757.1	757.3	757.7	758.3	758.8	759.3	759.9	759.6
127.5°	825.1	825.6	826.2	826.6	827.2	827.6	827.9	828.1	828.4	828.7	828.4
130°	871.0	871.5	872.0	872.6	873.1	873.5	873.8	874.0	874.3	874.6	874.0
132.5°	913.9	914.7	915.4	916.2	917.0	917.4	917.7	918.0	918.2	918.5	918.6
135°	980.9	981.9	983.0	984.0	985.2	985.6	985.6	985.6	985.6	985.6	985.4
137.5°	1046.3	1047.7	1049.0	1050.4	1051.7	1052.2	1051.9	1051.5	1051.2	1050.9	1050.3
140°	1088.4	1089.7	1091.1	1092.4	1093.7	1094.1	1093.6	1093.1	1092.5	1092.0	1091.2
142.5°	1128.5	1129.9	1131.2	1132.5	1133.9	1134.4	1134.0	1133.7	1133.4	1133.1	1132.1
145°	1188.7	1189.5	1190.3	1191.1	1191.9	1192.3	1192.3	1192.3	1192.3	1192.3	1191.5
147.5°	1240.2	1242.0	1243.7	1245.5	1247.4	1247.9	1247.3	1246.7	1246.0	1245.4	1244.8
150°	1278.3	1278.9	1279.5	1279.9	1280.5	1280.8	1280.8	1280.8	1280.8	1280.8	1279.7
152.5°	1310.0	1310.9	1311.9	1312.8	1313.8	1313.9	1313.3	1312.6	1312.0	1311.4	1310.9
155°	1354.9	1356.1	1357.5	1358.8	1360.2	1360.3	1359.2	1358.1	1357.1	1356.1	1355.7
157.5°	1392.3	1394.1	1395.8	1397.6	1399.4	1399.7	1398.7	1397.6	1396.5	1395.4	1395.2
160°	1418.2	1419.5	1420.8	1422.1	1423.5	1423.6	1422.5	1421.5	1420.4	1419.4	1419.1
162.5°	1440.1	1441.7	1443.2	1444.8	1446.3	1446.4	1445.2	1443.9	1442.6	1441.3	1441.3
165°	1469.5	1471.2	1472.7	1474.3	1475.9	1476.2	1475.1	1474.0	1473.0	1472.0	1471.6
167.5°	1492.9	1494.6	1496.3	1497.9	1499.5	1499.5	1497.9	1496.4	1494.8	1493.2	1493.2
170°	1505.4	1507.2	1509.1	1510.9	1512.8	1512.9	1511.3	1509.7	1508.2	1506.6	1506.6
172.5°	1515.9	1517.5	1519.2	1520.8	1522.5	1522.5	1520.9	1519.3	1517.7	1516.2	1516.2
175°	1525.7	1527.6	1529.4	1531.3	1533.1	1533.3	1531.7	1530.1	1528.4	1526.9	1526.9
177.5°	1531.4	1532.9	1534.4	1535.9	1537.4	1537.5	1536.2	1534.9	1533.7	1532.4	1532.6
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	1029.7	1027.4	1023.1	1019.1	1014.2	1010.0	1006.9	1003.4	998.7	993.2	988.6
5°	1075.2	1066.2	1054.2	1044.0	1030.8	1020.6	1009.9	999.6	989.3	976.1	964.6
7.5°	1125.8	1107.1	1088.9	1066.0	1045.3	1026.7	1009.0	991.0	973.4	954.7	936.7
10°	1156.7	1134.1	1109.0	1080.1	1053.8	1028.7	1005.8	983.1	959.3	938.3	915.6
12.5°	1185.7	1156.4	1127.8	1091.4	1059.8	1029.1	999.8	971.6	946.1	918.9	894.6
15°	1211.8	1183.0	1151.0	1106.5	1062.5	1025.5	990.9	954.3	922.7	892.2	865.1
17.5°	1221.9	1191.8	1154.4	1111.7	1063.7	1017.1	972.6	932.4	895.2	859.7	829.2
20°	1218.0	1188.7	1150.5	1109.8	1058.4	1009.9	961.7	917.3	875.8	838.3	805.8
22.5°	1208.4	1178.2	1141.3	1098.3	1049.5	998.0	946.6	899.2	855.6	816.9	781.5
25°	1194.1	1153.0	1115.2	1073.2	1026.7	975.7	922.7	870.4	823.9	784.4	745.8
27.5°	1179.2	1127.9	1079.7	1038.1	989.0	943.4	892.3	838.7	789.9	749.6	710.0
30°	1165.8	1108.2	1055.1	1007.8	961.3	918.1	869.6	817.3	767.1	725.6	685.3
32.5°	1149.0	1087.7	1029.4	974.9	930.0	887.2	843.3	793.3	744.4	701.6	660.6
35°	1127.9	1049.7	986.4	928.4	878.6	837.1	797.6	757.2	708.3	663.9	624.0
37.5°	1100.3	1011.5	938.3	875.1	822.6	780.9	749.7	712.9	668.2	625.7	588.6
40°	1083.5	983.9	903.7	841.2	786.1	742.0	712.9	681.6	640.9	600.9	564.0
42.5°	1061.1	958.6	868.9	803.7	748.2	705.8	676.3	649.0	614.9	577.3	537.7
45°	1017.2	909.5	815.3	745.4	689.4	647.8	620.3	596.0	570.1	535.6	501.0
47.5°	960.1	858.3	759.6	683.3	628.5	589.9	563.2	544.1	525.5	496.1	462.6
50°	914.4	816.1	719.9	645.8	587.4	550.8	525.7	510.5	493.6	466.8	438.9
52.5°	860.5	772.7	678.3	602.7	547.6	513.3	489.2	474.0	460.0	438.2	411.6
55°	775.4	698.5	612.0	543.4	492.8	458.2	435.2	420.8	412.6	394.0	373.1
57.5°	677.2	622.1	545.9	479.7	435.0	400.8	384.0	371.7	362.4	349.3	334.5
60°	608.8	570.1	501.8	438.9	397.8	365.3	350.1	339.8	331.1	320.0	308.5
62.5°	539.3	511.2	451.8	397.8	359.9	332.7	318.5	309.2	299.2	291.8	280.5
65°	446.3	421.2	380.1	337.7	302.8	280.9	270.7	262.4	256.3	248.0	240.2
67.5°	347.1	337.0	308.6	279.4	254.3	234.9	226.0	220.2	212.9	207.9	202.6
70°	286.3	281.4	261.2	241.9	218.4	205.3	197.0	194.6	185.5	180.6	176.9
72.5°	232.3	230.0	218.4	205.0	188.5	177.0	169.4	166.6	160.8	156.9	154.5
75°	159.1	160.0	158.0	149.3	143.1	135.8	129.1	127.5	123.4	120.1	118.0
77.5°	100.7	104.9	105.0	104.6	102.2	97.7	94.9	93.7	89.7	88.4	87.9
80°	69.1	73.6	77.7	77.3	76.5	75.3	73.2	72.0	69.9	68.7	67.9
82.5°	46.1	50.3	53.7	55.9	55.8	54.6	53.2	52.6	52.1	51.3	51.1
85°	21.8	22.7	23.8	26.8	28.8	29.2	28.8	28.4	27.2	27.6	28.0
87.5°	10.6	10.3	10.2	9.8	9.1	10.3	10.9	10.8	10.5	10.3	10.1
90°	15.4	13.5	11.6	9.7	7.6	5.5	3.3	1.2	3.3	5.5	7.6
92.5°	41.3	39.1	36.8	34.9	33.4	31.9	30.4	28.9	30.4	31.9	33.4
95°	86.7	84.1	81.4	79.8	79.2	78.7	78.2	77.6	78.2	78.7	79.2
97.5°	139.2	135.5	131.8	129.9	129.7	129.4	129.2	129.0	129.2	129.4	129.7
100°	175.9	172.5	169.0	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2
102.5°	217.5	215.8	214.0	212.6	211.5	210.5	209.5	208.3	209.5	210.5	211.5
105°	282.3	280.7	279.2	277.7	276.4	275.0	273.7	272.4	273.7	275.0	276.4
107.5°	352.1	350.9	349.7	348.4	347.1	345.8	344.4	343.1	344.4	345.8	347.1
110°	399.8	399.0	398.2	397.2	395.9	394.5	393.2	391.9	393.2	394.5	395.9



TEST NUMBER: P333697-927

CATALOG NUMBER: S125RDIW-S850D1560U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	447.2	446.2	445.2	444.3	443.6	443.0	442.3	441.6	442.3	443.0	443.6
115°	521.0	520.5	520.0	519.2	518.1	517.1	516.0	514.9	516.0	517.1	518.1
117.5°	591.8	591.4	590.9	590.4	589.9	589.5	589.0	588.5	589.0	589.5	589.9
120°	641.0	640.8	640.5	639.7	638.4	637.1	635.7	634.4	635.7	637.1	638.4
122.5°	688.0	687.3	686.6	686.0	685.6	685.1	684.6	684.1	684.6	685.1	685.6
125°	759.3	759.1	758.8	757.9	756.3	754.7	753.0	751.5	753.0	754.7	756.3
127.5°	828.1	827.8	827.4	826.8	825.9	825.0	824.1	823.2	824.1	825.0	825.9
130°	873.5	873.0	872.4	871.5	870.1	868.9	867.5	866.2	867.5	868.9	870.1
132.5°	918.7	918.9	918.9	917.9	915.8	913.5	911.4	909.2	911.4	913.5	915.8
135°	985.2	984.8	984.6	983.7	982.1	980.5	978.9	977.3	978.9	980.5	982.1
137.5°	1049.7	1049.2	1048.5	1047.5	1045.9	1044.4	1042.9	1041.3	1042.9	1044.4	1045.9
140°	1090.4	1089.6	1088.8	1087.7	1086.4	1085.1	1083.8	1082.4	1083.8	1085.1	1086.4
142.5°	1131.1	1130.0	1129.0	1128.0	1126.9	1125.8	1124.7	1123.6	1124.7	1125.8	1126.9
145°	1190.7	1189.9	1189.1	1188.3	1187.2	1186.1	1185.0	1184.0	1185.0	1186.1	1187.2
147.5°	1244.1	1243.5	1242.9	1242.2	1241.7	1241.0	1240.5	1239.9	1240.5	1241.0	1241.7
150°	1278.7	1277.6	1276.5	1276.1	1276.4	1276.7	1276.9	1277.2	1276.9	1276.7	1276.4
152.5°	1310.5	1310.1	1309.6	1309.2	1308.8	1308.5	1308.1	1307.7	1308.1	1308.5	1308.8
155°	1355.5	1355.3	1354.9	1354.9	1354.9	1354.9	1354.9	1354.9	1354.9	1354.9	1354.9
157.5°	1395.0	1394.6	1394.4	1394.6	1395.1	1395.7	1396.3	1396.9	1396.3	1395.7	1395.1
160°	1418.8	1418.6	1418.3	1418.6	1419.4	1420.1	1420.9	1421.7	1420.9	1420.1	1419.4
162.5°	1441.2	1441.1	1441.1	1441.4	1442.0	1442.6	1443.1	1443.8	1443.1	1442.6	1442.0
165°	1471.4	1471.2	1470.8	1471.0	1471.6	1472.0	1472.6	1473.1	1472.6	1472.0	1471.6
167.5°	1493.2	1493.2	1493.2	1493.7	1494.8	1495.9	1496.9	1497.9	1496.9	1495.9	1494.8
170°	1506.6	1506.6	1506.6	1507.1	1508.2	1509.2	1510.3	1511.3	1510.3	1509.2	1508.2
172.5°	1516.2	1516.2	1516.2	1516.6	1517.7	1518.8	1519.9	1520.9	1519.9	1518.8	1517.7
175°	1526.9	1526.9	1526.9	1527.4	1528.4	1529.5	1530.6	1531.7	1530.6	1529.5	1528.4
177.5°	1532.8	1533.0	1533.2	1533.7	1534.6	1535.5	1536.3	1537.2	1536.3	1535.5	1534.6
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



TEST NUMBER: P333697-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	985.2	980.6	977.3	970.7	966.1	964.2	960.6	959.6	963.2	960.6	960.2
5°	955.9	944.0	934.5	925.1	914.8	908.2	898.3	896.8	894.2	890.6	889.7
7.5°	920.8	905.3	893.1	877.5	863.9	852.9	840.6	834.8	831.6	826.8	820.4
10°	897.1	878.6	862.1	846.5	829.7	816.1	803.7	794.3	788.1	782.4	779.9
12.5°	873.8	854.9	833.9	814.9	796.1	780.9	767.2	761.0	754.2	747.5	741.7
15°	837.5	812.4	789.3	767.5	751.5	735.1	721.9	712.9	702.6	699.7	688.6
17.5°	799.0	774.4	747.4	724.5	705.8	687.8	673.3	663.0	655.3	644.7	639.5
20°	775.0	745.8	719.5	698.5	677.9	656.5	641.7	633.0	625.7	617.0	612.9
22.5°	749.3	720.7	693.8	669.2	648.2	627.2	616.7	607.7	599.3	591.4	585.9
25°	711.6	682.9	654.4	628.9	607.1	591.9	579.6	569.3	564.7	557.0	551.2
27.5°	674.4	643.7	614.3	588.9	571.8	556.7	546.6	538.4	530.3	523.5	518.5
30°	650.3	619.1	587.0	566.8	548.7	534.3	523.2	515.4	509.2	503.0	499.4
32.5°	626.3	594.1	565.6	543.8	526.6	514.3	502.8	495.4	488.9	482.0	477.7
35°	587.8	554.9	531.9	510.5	493.6	482.1	474.3	463.6	458.2	453.3	448.8
37.5°	552.0	521.4	496.5	477.8	463.1	451.6	441.6	435.8	429.2	424.8	421.0
40°	525.7	497.7	475.1	455.3	444.7	431.9	422.5	415.0	410.1	404.3	400.2
42.5°	502.0	476.0	454.0	436.3	422.9	412.2	403.1	395.6	389.4	385.2	381.8
45°	468.5	442.6	421.2	404.7	392.4	382.1	372.6	369.0	360.8	355.8	354.2
47.5°	433.9	410.7	390.1	374.9	362.3	352.5	343.6	336.0	331.5	326.7	324.1
50°	410.5	388.3	369.0	354.2	341.8	331.1	322.9	318.0	311.8	307.3	304.0
52.5°	387.1	366.6	347.3	333.1	322.4	311.7	302.5	297.5	291.8	288.8	286.5
55°	353.8	331.9	315.5	301.5	290.4	280.5	271.9	267.0	263.2	260.4	259.5
57.5°	315.9	298.7	283.4	270.8	259.2	249.9	242.3	237.7	234.4	233.9	231.5
60°	291.2	275.6	261.6	248.0	238.1	229.5	222.9	217.6	214.3	213.9	213.1
62.5°	266.6	251.6	238.6	226.6	217.8	209.5	203.2	197.2	195.2	193.1	191.4
65°	230.0	216.3	205.7	196.2	186.7	179.7	173.6	169.8	165.3	162.9	158.4
67.5°	194.0	183.5	173.2	165.2	157.8	151.1	146.0	140.5	137.4	135.5	132.2
70°	170.3	162.1	151.8	143.1	137.4	132.1	127.9	121.8	119.7	118.0	116.4
72.5°	147.9	140.7	132.1	125.1	119.3	114.2	109.5	106.6	104.6	102.9	102.0
75°	116.4	109.4	102.0	97.0	93.0	88.9	86.3	84.3	83.5	83.1	81.4
77.5°	85.5	81.8	75.8	71.9	69.2	67.6	65.4	64.2	64.2	62.3	61.8
80°	65.4	63.4	58.4	56.8	54.7	53.1	51.8	49.7	47.7	46.9	45.6
82.5°	48.6	46.6	44.6	42.0	40.2	39.2	38.0	37.2	37.5	36.4	35.8
85°	25.9	23.8	23.1	22.7	21.8	22.7	22.2	21.8	21.4	21.0	21.4
87.5°	10.1	10.5	10.6	11.6	11.0	11.7	12.0	12.0	12.2	12.4	12.4
90°	9.7	11.6	13.5	15.4	17.3	19.1	20.4	21.8	23.1	24.4	25.5
92.5°	34.9	36.8	39.1	41.3	43.6	45.9	47.6	49.4	51.1	52.9	54.0
95°	79.8	81.4	84.1	86.7	89.4	92.0	93.9	95.7	97.6	99.4	100.6
97.5°	129.9	131.8	135.5	139.2	142.8	146.5	148.2	150.0	151.7	153.4	154.6
100°	167.2	169.0	172.5	175.9	179.4	182.8	185.2	187.6	190.0	192.3	193.8
102.5°	212.6	214.0	215.8	217.5	219.3	221.0	223.6	226.2	228.9	231.4	233.1
105°	277.7	279.2	280.7	282.3	283.9	285.6	287.2	288.8	290.3	291.9	293.1
107.5°	348.4	349.7	350.9	352.1	353.4	354.6	355.4	356.2	357.0	357.7	358.1
110°	397.2	398.2	399.0	399.8	400.6	401.4	402.2	403.1	403.9	404.6	404.9



TEST NUMBER: P333697-927

CATALOG NUMBER: S125RDIW-S850D1560U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	444.3	445.2	446.2	447.2	448.2	449.2	449.6	450.0	450.4	450.7	450.7
115°	519.2	520.0	520.5	521.0	521.6	522.1	521.8	521.6	521.3	521.0	520.8
117.5°	590.4	590.9	591.4	591.8	592.3	592.9	593.0	593.3	593.5	593.7	593.3
120°	639.7	640.5	640.8	641.0	641.3	641.6	641.6	641.6	641.6	641.6	641.0
122.5°	686.0	686.6	687.3	688.0	688.6	689.4	689.1	689.0	688.7	688.5	688.0
125°	757.9	758.8	759.1	759.3	759.6	759.9	759.3	758.8	758.3	757.7	757.3
127.5°	826.8	827.4	827.8	828.1	828.4	828.7	828.4	828.1	827.9	827.6	827.2
130°	871.5	872.4	873.0	873.5	874.0	874.6	874.3	874.0	873.8	873.5	873.1
132.5°	917.9	918.9	918.9	918.7	918.6	918.5	918.2	918.0	917.7	917.4	917.0
135°	983.7	984.6	984.8	985.2	985.4	985.6	985.6	985.6	985.6	985.6	985.2
137.5°	1047.5	1048.5	1049.2	1049.7	1050.3	1050.9	1051.2	1051.5	1051.9	1052.2	1051.7
140°	1087.7	1088.8	1089.6	1090.4	1091.2	1092.0	1092.5	1093.1	1093.6	1094.1	1093.7
142.5°	1128.0	1129.0	1130.0	1131.1	1132.1	1133.1	1133.4	1133.7	1134.0	1134.4	1133.9
145°	1188.3	1189.1	1189.9	1190.7	1191.5	1192.3	1192.3	1192.3	1192.3	1192.3	1191.9
147.5°	1242.2	1242.9	1243.5	1244.1	1244.8	1245.4	1246.0	1246.7	1247.3	1247.9	1247.4
150°	1276.1	1276.5	1277.6	1278.7	1279.7	1280.8	1280.8	1280.8	1280.8	1280.8	1280.5
152.5°	1309.2	1309.6	1310.1	1310.5	1310.9	1311.4	1312.0	1312.6	1313.3	1313.9	1313.8
155°	1354.9	1354.9	1355.3	1355.5	1355.7	1356.1	1357.1	1358.1	1359.2	1360.3	1360.2
157.5°	1394.6	1394.4	1394.6	1395.0	1395.2	1395.4	1396.5	1397.6	1398.7	1399.7	1399.4
160°	1418.6	1418.3	1418.6	1418.8	1419.1	1419.4	1420.4	1421.5	1422.5	1423.6	1423.5
162.5°	1441.4	1441.1	1441.1	1441.2	1441.3	1441.3	1442.6	1443.9	1445.2	1446.4	1446.3
165°	1471.0	1470.8	1471.2	1471.4	1471.6	1472.0	1473.0	1474.0	1475.1	1476.2	1475.9
167.5°	1493.7	1493.2	1493.2	1493.2	1493.2	1493.2	1494.8	1496.4	1497.9	1499.5	1499.5
170°	1507.1	1506.6	1506.6	1506.6	1506.6	1506.6	1508.2	1509.7	1511.3	1512.9	1512.8
172.5°	1516.6	1516.2	1516.2	1516.2	1516.2	1516.2	1517.7	1519.3	1520.9	1522.5	1522.5
175°	1527.4	1526.9	1526.9	1526.9	1526.9	1526.9	1528.4	1530.1	1531.7	1533.3	1533.1
177.5°	1533.7	1533.2	1533.0	1532.8	1532.6	1532.4	1533.7	1534.9	1536.2	1537.5	1537.4
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



TEST NUMBER: P333697-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	959.9	956.3	955.3	956.6	955.3	956.3	959.9	960.2	960.6	963.2	959.6
5°	885.6	881.5	883.5	882.7	883.5	881.5	885.6	889.7	890.6	894.2	896.8
7.5°	820.3	815.2	809.8	811.5	809.8	815.2	820.3	820.4	826.8	831.6	834.8
10°	774.5	770.5	767.9	770.0	767.9	770.5	774.5	779.9	782.4	788.1	794.3
12.5°	736.0	733.6	731.4	730.6	731.4	733.6	736.0	741.7	747.5	754.2	761.0
15°	683.7	678.7	676.7	671.3	676.7	678.7	683.7	688.6	699.7	702.6	712.9
17.5°	635.3	633.7	628.4	626.1	628.4	633.7	635.3	639.5	644.7	655.3	663.0
20°	606.7	605.1	599.8	603.0	599.8	605.1	606.7	612.9	617.0	625.7	633.0
22.5°	583.0	579.4	577.7	576.7	577.7	579.4	583.0	585.9	591.4	599.3	607.7
25°	549.5	544.2	542.2	539.7	542.2	544.2	549.5	551.2	557.0	564.7	569.3
27.5°	516.2	513.3	510.6	509.9	510.6	513.3	516.2	518.5	523.5	530.3	538.4
30°	494.4	491.5	489.5	489.5	489.5	491.5	494.4	499.4	503.0	509.2	515.4
32.5°	475.0	472.8	470.7	470.4	470.7	472.8	475.0	477.7	482.0	488.9	495.4
35°	446.7	443.5	442.6	440.1	442.6	443.5	446.7	448.8	453.3	458.2	463.6
37.5°	417.3	414.6	414.5	414.3	414.5	414.6	417.3	421.0	424.8	429.2	435.8
40°	398.6	396.6	396.1	393.2	396.1	396.6	398.6	400.2	404.3	410.1	415.0
42.5°	378.5	377.5	376.0	374.8	376.0	377.5	378.5	381.8	385.2	389.4	395.6
45°	351.3	348.4	348.4	346.3	348.4	348.4	351.3	354.2	355.8	360.8	369.0
47.5°	323.1	320.9	321.2	319.0	321.2	320.9	323.1	324.1	326.7	331.5	336.0
50°	304.4	303.2	302.8	301.9	302.8	303.2	304.4	304.0	307.3	311.8	318.0
52.5°	285.7	285.0	286.6	284.8	286.6	285.0	285.7	286.5	288.8	291.8	297.5
55°	260.4	259.1	261.6	259.1	261.6	259.1	260.4	259.5	260.4	263.2	267.0
57.5°	231.3	230.2	232.4	231.2	232.4	230.2	231.3	231.5	233.9	234.4	237.7
60°	212.2	209.8	211.0	211.4	211.0	209.8	212.2	213.1	213.9	214.3	217.6
62.5°	189.6	188.1	188.9	187.1	188.9	188.1	189.6	191.4	193.1	195.2	197.2
65°	157.6	156.3	154.6	153.8	154.6	156.3	157.6	158.4	162.9	165.3	169.8
67.5°	132.4	129.4	129.4	130.0	129.4	129.4	132.4	132.2	135.5	137.4	140.5
70°	113.9	113.9	113.5	113.5	113.5	113.9	113.9	116.4	118.0	119.7	121.8
72.5°	101.1	100.8	100.1	99.7	100.1	100.8	101.1	102.0	102.9	104.6	106.6
75°	81.4	81.8	81.0	80.6	81.0	81.8	81.4	81.4	83.1	83.5	84.3
77.5°	60.1	58.4	59.3	58.4	59.3	58.4	60.1	61.8	62.3	64.2	64.2
80°	45.6	45.2	46.5	45.2	46.5	45.2	45.6	45.6	46.9	47.7	49.7
82.5°	36.1	35.7	36.3	35.4	36.3	35.7	36.1	35.8	36.4	37.5	37.2
85°	21.8	21.4	21.0	21.4	21.0	21.4	21.8	21.4	21.0	21.4	21.8
87.5°	12.8	12.7	12.8	13.0	12.8	12.7	12.8	12.4	12.4	12.2	12.0
90°	26.3	27.1	27.9	28.7	27.9	27.1	26.3	25.5	24.4	23.1	21.8
92.5°	54.7	55.2	55.8	56.4	55.8	55.2	54.7	54.0	52.9	51.1	49.4
95°	101.2	101.7	102.2	102.7	102.2	101.7	101.2	100.6	99.4	97.6	95.7
97.5°	154.9	155.2	155.5	155.8	155.5	155.2	154.9	154.6	153.4	151.7	150.0
100°	194.3	194.9	195.4	195.9	195.4	194.9	194.3	193.8	192.3	190.0	187.6
102.5°	233.9	234.6	235.4	236.1	235.4	234.6	233.9	233.1	231.4	228.9	226.2
105°	293.9	294.7	295.5	296.3	295.5	294.7	293.9	293.1	291.9	290.3	288.8
107.5°	358.1	358.1	358.0	357.9	358.0	358.1	358.1	358.1	357.7	357.0	356.2
110°	404.6	404.3	404.1	403.9	404.1	404.3	404.6	404.9	404.6	403.9	403.1



TEST NUMBER: P333697-927

CATALOG NUMBER: S125RDIW-S850D1560U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	450.2	449.7	449.2	448.8	449.2	449.7	450.2	450.7	450.7	450.4	450.0
115°	520.5	520.2	520.0	519.8	520.0	520.2	520.5	520.8	521.0	521.3	521.6
117.5°	592.2	591.1	590.1	589.0	590.1	591.1	592.2	593.3	593.7	593.5	593.3
120°	640.0	638.9	637.9	636.8	637.9	638.9	640.0	641.0	641.6	641.6	641.6
122.5°	687.1	686.3	685.4	684.6	685.4	686.3	687.1	688.0	688.5	688.7	689.0
125°	757.1	756.8	756.5	756.3	756.5	756.8	757.1	757.3	757.7	758.3	758.8
127.5°	826.6	826.2	825.6	825.1	825.6	826.2	826.6	827.2	827.6	827.9	828.1
130°	872.6	872.0	871.5	871.0	871.5	872.0	872.6	873.1	873.5	873.8	874.0
132.5°	916.2	915.4	914.7	913.9	914.7	915.4	916.2	917.0	917.4	917.7	918.0
135°	984.0	983.0	981.9	980.9	981.9	983.0	984.0	985.2	985.6	985.6	985.6
137.5°	1050.4	1049.0	1047.7	1046.3	1047.7	1049.0	1050.4	1051.7	1052.2	1051.9	1051.5
140°	1092.4	1091.1	1089.7	1088.4	1089.7	1091.1	1092.4	1093.7	1094.1	1093.6	1093.1
142.5°	1132.5	1131.2	1129.9	1128.5	1129.9	1131.2	1132.5	1133.9	1134.4	1134.0	1133.7
145°	1191.1	1190.3	1189.5	1188.7	1189.5	1190.3	1191.1	1191.9	1192.3	1192.3	1192.3
147.5°	1245.5	1243.7	1242.0	1240.2	1242.0	1243.7	1245.5	1247.4	1247.9	1247.3	1246.7
150°	1279.9	1279.5	1278.9	1278.3	1278.9	1279.5	1279.9	1280.5	1280.8	1280.8	1280.8
152.5°	1312.8	1311.9	1310.9	1310.0	1310.9	1311.9	1312.8	1313.8	1313.9	1313.3	1312.6
155°	1358.8	1357.5	1356.1	1354.9	1356.1	1357.5	1358.8	1360.2	1360.3	1359.2	1358.1
157.5°	1397.6	1395.8	1394.1	1392.3	1394.1	1395.8	1397.6	1399.4	1399.7	1398.7	1397.6
160°	1422.1	1420.8	1419.5	1418.2	1419.5	1420.8	1422.1	1423.5	1423.6	1422.5	1421.5
162.5°	1444.8	1443.2	1441.7	1440.1	1441.7	1443.2	1444.8	1446.3	1446.4	1445.2	1443.9
165°	1474.3	1472.7	1471.2	1469.5	1471.2	1472.7	1474.3	1475.9	1476.2	1475.1	1474.0
167.5°	1497.9	1496.3	1494.6	1492.9	1494.6	1496.3	1497.9	1499.5	1499.5	1497.9	1496.4
170°	1510.9	1509.1	1507.2	1505.4	1507.2	1509.1	1510.9	1512.8	1512.9	1511.3	1509.7
172.5°	1520.8	1519.2	1517.5	1515.9	1517.5	1519.2	1520.8	1522.5	1522.5	1520.9	1519.3
175°	1531.3	1529.4	1527.6	1525.7	1527.6	1529.4	1531.3	1533.1	1533.3	1531.7	1530.1
177.5°	1535.9	1534.4	1532.9	1531.4	1532.9	1534.4	1535.9	1537.4	1537.5	1536.2	1534.9
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	960.6	964.2	966.1	970.7	977.3	980.6	985.2	988.6	993.2	998.7	1003.4
5°	898.3	908.2	914.8	925.1	934.5	944.0	955.9	964.6	976.1	989.3	999.6
7.5°	840.6	852.9	863.9	877.5	893.1	905.3	920.8	936.7	954.7	973.4	991.0
10°	803.7	816.1	829.7	846.5	862.1	878.6	897.1	915.6	938.3	959.3	983.1
12.5°	767.2	780.9	796.1	814.9	833.9	854.9	873.8	894.6	918.9	946.1	971.6
15°	721.9	735.1	751.5	767.5	789.3	812.4	837.5	865.1	892.2	922.7	954.3
17.5°	673.3	687.8	705.8	724.5	747.4	774.4	799.0	829.2	859.7	895.2	932.4
20°	641.7	656.5	677.9	698.5	719.5	745.8	775.0	805.8	838.3	875.8	917.3
22.5°	616.7	627.2	648.2	669.2	693.8	720.7	749.3	781.5	816.9	855.6	899.2
25°	579.6	591.9	607.1	628.9	654.4	682.9	711.6	745.8	784.4	823.9	870.4
27.5°	546.6	556.7	571.8	588.9	614.3	643.7	674.4	710.0	749.6	789.9	838.7
30°	523.2	534.3	548.7	566.8	587.0	619.1	650.3	685.3	725.6	767.1	817.3
32.5°	502.8	514.3	526.6	543.8	565.6	594.1	626.3	660.6	701.6	744.4	793.3
35°	474.3	482.1	493.6	510.5	531.9	554.9	587.8	624.0	663.9	708.3	757.2
37.5°	441.6	451.6	463.1	477.8	496.5	521.4	552.0	588.6	625.7	668.2	712.9
40°	422.5	431.9	444.7	455.3	475.1	497.7	525.7	564.0	600.9	640.9	681.6
42.5°	403.1	412.2	422.9	436.3	454.0	476.0	502.0	537.7	577.3	614.9	649.0
45°	372.6	382.1	392.4	404.7	421.2	442.6	468.5	501.0	535.6	570.1	596.0
47.5°	343.6	352.5	362.3	374.9	390.1	410.7	433.9	462.6	496.1	525.5	544.1
50°	322.9	331.1	341.8	354.2	369.0	388.3	410.5	438.9	466.8	493.6	510.5
52.5°	302.5	311.7	322.4	333.1	347.3	366.6	387.1	411.6	438.2	460.0	474.0
55°	271.9	280.5	290.4	301.5	315.5	331.9	353.8	373.1	394.0	412.6	420.8
57.5°	242.3	249.9	259.2	270.8	283.4	298.7	315.9	334.5	349.3	362.4	371.7
60°	222.9	229.5	238.1	248.0	261.6	275.6	291.2	308.5	320.0	331.1	339.8
62.5°	203.2	209.5	217.8	226.6	238.6	251.6	266.6	280.5	291.8	299.2	309.2
65°	173.6	179.7	186.7	196.2	205.7	216.3	230.0	240.2	248.0	256.3	262.4
67.5°	146.0	151.1	157.8	165.2	173.2	183.5	194.0	202.6	207.9	212.9	220.2
70°	127.9	132.1	137.4	143.1	151.8	162.1	170.3	176.9	180.6	185.5	194.6
72.5°	109.5	114.2	119.3	125.1	132.1	140.7	147.9	154.5	156.9	160.8	166.6
75°	86.3	88.9	93.0	97.0	102.0	109.4	116.4	118.0	120.1	123.4	127.5
77.5°	65.4	67.6	69.2	71.9	75.8	81.8	85.5	87.9	88.4	89.7	93.7
80°	51.8	53.1	54.7	56.8	58.4	63.4	65.4	67.9	68.7	69.9	72.0
82.5°	38.0	39.2	40.2	42.0	44.6	46.6	48.6	51.1	51.3	52.1	52.6
85°	22.2	22.7	21.8	22.7	23.1	23.8	25.9	28.0	27.6	27.2	28.4
87.5°	12.0	11.7	11.0	11.6	10.6	10.5	10.1	10.1	10.3	10.5	10.8
90°	20.4	19.1	17.3	15.4	13.5	11.6	9.7	7.6	5.5	3.3	1.2
92.5°	47.6	45.9	43.6	41.3	39.1	36.8	34.9	33.4	31.9	30.4	28.9
95°	93.9	92.0	89.4	86.7	84.1	81.4	79.8	79.2	78.7	78.2	77.6
97.5°	148.2	146.5	142.8	139.2	135.5	131.8	129.9	129.7	129.4	129.2	129.0
100°	185.2	182.8	179.4	175.9	172.5	169.0	167.2	167.2	167.2	167.2	167.2
102.5°	223.6	221.0	219.3	217.5	215.8	214.0	212.6	211.5	210.5	209.5	208.3
105°	287.2	285.6	283.9	282.3	280.7	279.2	277.7	276.4	275.0	273.7	272.4
107.5°	355.4	354.6	353.4	352.1	350.9	349.7	348.4	347.1	345.8	344.4	343.1
110°	402.2	401.4	400.6	399.8	399.0	398.2	397.2	395.9	394.5	393.2	391.9



TEST NUMBER: P333697-927

CATALOG NUMBER: S125RDIW-S850D1560U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	449.6	449.2	448.2	447.2	446.2	445.2	444.3	443.6	443.0	442.3	441.6
115°	521.8	522.1	521.6	521.0	520.5	520.0	519.2	518.1	517.1	516.0	514.9
117.5°	593.0	592.9	592.3	591.8	591.4	590.9	590.4	589.9	589.5	589.0	588.5
120°	641.6	641.6	641.3	641.0	640.8	640.5	639.7	638.4	637.1	635.7	634.4
122.5°	689.1	689.4	688.6	688.0	687.3	686.6	686.0	685.6	685.1	684.6	684.1
125°	759.3	759.9	759.6	759.3	759.1	758.8	757.9	756.3	754.7	753.0	751.5
127.5°	828.4	828.7	828.4	828.1	827.8	827.4	826.8	825.9	825.0	824.1	823.2
130°	874.3	874.6	874.0	873.5	873.0	872.4	871.5	870.1	868.9	867.5	866.2
132.5°	918.2	918.5	918.6	918.7	918.9	918.9	917.9	915.8	913.5	911.4	909.2
135°	985.6	985.6	985.4	985.2	984.8	984.6	983.7	982.1	980.5	978.9	977.3
137.5°	1051.2	1050.9	1050.3	1049.7	1049.2	1048.5	1047.5	1045.9	1044.4	1042.9	1041.3
140°	1092.5	1092.0	1091.2	1090.4	1089.6	1088.8	1087.7	1086.4	1085.1	1083.8	1082.4
142.5°	1133.4	1133.1	1132.1	1131.1	1130.0	1129.0	1128.0	1126.9	1125.8	1124.7	1123.6
145°	1192.3	1192.3	1191.5	1190.7	1189.9	1189.1	1188.3	1187.2	1186.1	1185.0	1184.0
147.5°	1246.0	1245.4	1244.8	1244.1	1243.5	1242.9	1242.2	1241.7	1241.0	1240.5	1239.9
150°	1280.8	1280.8	1279.7	1278.7	1277.6	1276.5	1276.1	1276.4	1276.7	1276.9	1277.2
152.5°	1312.0	1311.4	1310.9	1310.5	1310.1	1309.6	1309.2	1308.8	1308.5	1308.1	1307.7
155°	1357.1	1356.1	1355.7	1355.5	1355.3	1354.9	1354.9	1354.9	1354.9	1354.9	1354.9
157.5°	1396.5	1395.4	1395.2	1395.0	1394.6	1394.4	1394.6	1395.1	1395.7	1396.3	1396.9
160°	1420.4	1419.4	1419.1	1418.8	1418.6	1418.3	1418.6	1419.4	1420.1	1420.9	1421.7
162.5°	1442.6	1441.3	1441.3	1441.2	1441.1	1441.1	1441.4	1442.0	1442.6	1443.1	1443.8
165°	1473.0	1472.0	1471.6	1471.4	1471.2	1470.8	1471.0	1471.6	1472.0	1472.6	1473.1
167.5°	1494.8	1493.2	1493.2	1493.2	1493.2	1493.2	1493.7	1494.8	1495.9	1496.9	1497.9
170°	1508.2	1506.6	1506.6	1506.6	1506.6	1506.6	1507.1	1508.2	1509.2	1510.3	1511.3
172.5°	1517.7	1516.2	1516.2	1516.2	1516.2	1516.2	1516.6	1517.7	1518.8	1519.9	1520.9
175°	1528.4	1526.9	1526.9	1526.9	1526.9	1526.9	1527.4	1528.4	1529.5	1530.6	1531.7
177.5°	1533.7	1532.4	1532.6	1532.8	1533.0	1533.2	1533.7	1534.6	1535.5	1536.3	1537.2
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



TEST NUMBER: P333697-927

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	1006.9	1010.0	1014.2	1019.1	1023.1	1027.4	1029.7	1029.7	1031.7	1035.9	1041.5
5°	1009.9	1020.6	1030.8	1044.0	1054.2	1066.2	1075.2	1083.9	1091.7	1101.5	1111.8
7.5°	1009.0	1026.7	1045.3	1066.0	1088.9	1107.1	1125.8	1140.4	1154.8	1173.8	1188.7
10°	1005.8	1028.7	1053.8	1080.1	1109.0	1134.1	1156.7	1177.3	1197.0	1217.6	1236.0
12.5°	999.8	1029.1	1059.8	1091.4	1127.8	1156.4	1185.7	1207.5	1230.6	1253.1	1275.9
15°	990.9	1025.5	1062.5	1106.5	1151.0	1183.0	1211.8	1240.2	1261.6	1287.1	1308.9
17.5°	972.6	1017.1	1063.7	1111.7	1154.4	1191.8	1221.9	1248.9	1271.7	1299.7	1329.4
20°	961.7	1009.9	1058.4	1109.8	1150.5	1188.7	1218.0	1245.9	1274.3	1310.9	1347.1
22.5°	946.6	998.0	1049.5	1098.3	1141.3	1178.2	1208.4	1242.7	1279.9	1321.4	1365.2
25°	922.7	975.7	1026.7	1073.2	1115.2	1153.0	1194.1	1240.2	1285.5	1340.1	1403.1
27.5°	892.3	943.4	989.0	1038.1	1079.7	1127.9	1179.2	1229.2	1294.4	1369.7	1448.3
30°	869.6	918.1	961.3	1007.8	1055.1	1108.2	1165.8	1224.6	1302.3	1390.8	1484.2
32.5°	843.3	887.2	930.0	974.9	1029.4	1087.7	1149.0	1220.9	1313.8	1414.4	1511.1
35°	797.6	837.1	878.6	928.4	986.4	1049.7	1127.9	1215.5	1327.8	1436.0	1522.8
37.5°	749.7	780.9	822.6	875.1	938.3	1011.5	1100.3	1206.7	1322.1	1419.1	1456.0
40°	712.9	742.0	786.1	841.2	903.7	983.9	1083.5	1192.9	1308.9	1376.3	1373.5
42.5°	676.3	705.8	748.2	803.7	868.9	958.6	1061.1	1174.8	1272.7	1298.4	1244.8
45°	620.3	647.8	689.4	745.4	815.3	909.5	1017.2	1126.2	1188.7	1147.2	1041.1
47.5°	563.2	589.9	628.5	683.3	759.6	858.3	960.1	1049.6	1058.4	969.2	841.9
50°	525.7	550.8	587.4	645.8	719.9	816.1	914.4	984.8	963.0	854.0	722.7
52.5°	489.2	513.3	547.6	602.7	678.3	772.7	860.5	915.6	865.2	749.3	631.2
55°	435.2	458.2	492.8	543.4	612.0	698.5	775.4	795.5	721.5	604.7	509.2
57.5°	384.0	400.8	435.0	479.7	545.9	622.1	677.2	673.6	591.9	486.7	418.3
60°	350.1	365.3	397.8	438.9	501.8	570.1	608.8	592.3	509.6	422.9	357.0
62.5°	318.5	332.7	359.9	397.8	451.8	511.2	539.3	516.7	438.6	362.3	310.0
65°	270.7	280.9	302.8	337.7	380.1	421.2	446.3	413.0	343.9	286.3	246.8
67.5°	226.0	234.9	254.3	279.4	308.6	337.0	347.1	315.9	262.2	223.4	195.6
70°	197.0	205.3	218.4	241.9	261.2	281.4	286.3	258.3	213.5	183.9	166.6
72.5°	169.4	177.0	188.5	205.0	218.4	230.0	232.3	206.4	172.0	151.6	138.3
75°	129.1	135.8	143.1	149.3	158.0	160.0	159.1	139.0	120.5	106.9	99.6
77.5°	94.9	97.7	102.2	104.6	105.0	104.9	100.7	87.9	78.4	72.8	69.8
80°	73.2	75.3	76.5	77.3	77.7	73.6	69.1	61.3	58.0	54.7	51.0
82.5°	53.2	54.6	55.8	55.9	53.7	50.3	46.1	42.2	39.9	38.3	36.8
85°	28.8	29.2	28.8	26.8	23.8	22.7	21.8	21.0	20.6	20.1	20.1
87.5°	10.9	10.3	9.1	9.8	10.2	10.3	10.6	10.7	10.7	11.0	11.2
90°	3.3	5.5	7.6	9.7	11.6	13.5	15.4	17.3	19.1	20.4	21.8
92.5°	30.4	31.9	33.4	34.9	36.8	39.1	41.3	43.6	45.9	47.6	49.4
95°	78.2	78.7	79.2	79.8	81.4	84.1	86.7	89.4	92.0	93.9	95.7
97.5°	129.2	129.4	129.7	129.9	131.8	135.5	139.2	142.8	146.5	148.2	150.0
100°	167.2	167.2	167.2	167.2	169.0	172.5	175.9	179.4	182.8	185.2	187.6
102.5°	209.5	210.5	211.5	212.6	214.0	215.8	217.5	219.3	221.0	223.6	226.2
105°	273.7	275.0	276.4	277.7	279.2	280.7	282.3	283.9	285.6	287.2	288.8
107.5°	344.4	345.8	347.1	348.4	349.7	350.9	352.1	353.4	354.6	355.4	356.2
110°	393.2	394.5	395.9	397.2	398.2	399.0	399.8	400.6	401.4	402.2	403.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	442.3	443.0	443.6	444.3	445.2	446.2	447.2	448.2	449.2	449.6	450.0
115°	516.0	517.1	518.1	519.2	520.0	520.5	521.0	521.6	522.1	521.8	521.6
117.5°	589.0	589.5	589.9	590.4	590.9	591.4	591.8	592.3	592.9	593.0	593.3
120°	635.7	637.1	638.4	639.7	640.5	640.8	641.0	641.3	641.6	641.6	641.6
122.5°	684.6	685.1	685.6	686.0	686.6	687.3	688.0	688.6	689.4	689.1	689.0
125°	753.0	754.7	756.3	757.9	758.8	759.1	759.3	759.6	759.9	759.3	758.8
127.5°	824.1	825.0	825.9	826.8	827.4	827.8	828.1	828.4	828.7	828.4	828.1
130°	867.5	868.9	870.1	871.5	872.4	873.0	873.5	874.0	874.6	874.3	874.0
132.5°	911.4	913.5	915.8	917.9	918.9	918.9	918.7	918.6	918.5	918.2	918.0
135°	978.9	980.5	982.1	983.7	984.6	984.8	985.2	985.4	985.6	985.6	985.6
137.5°	1042.9	1044.4	1045.9	1047.5	1048.5	1049.2	1049.7	1050.3	1050.9	1051.2	1051.5
140°	1083.8	1085.1	1086.4	1087.7	1088.8	1089.6	1090.4	1091.2	1092.0	1092.5	1093.1
142.5°	1124.7	1125.8	1126.9	1128.0	1129.0	1130.0	1131.1	1132.1	1133.1	1133.4	1133.7
145°	1185.0	1186.1	1187.2	1188.3	1189.1	1189.9	1190.7	1191.5	1192.3	1192.3	1192.3
147.5°	1240.5	1241.0	1241.7	1242.2	1242.9	1243.5	1244.1	1244.8	1245.4	1246.0	1246.7
150°	1276.9	1276.7	1276.4	1276.1	1276.5	1277.6	1278.7	1279.7	1280.8	1280.8	1280.8
152.5°	1308.1	1308.5	1308.8	1309.2	1309.6	1310.1	1310.5	1310.9	1311.4	1312.0	1312.6
155°	1354.9	1354.9	1354.9	1354.9	1354.9	1355.3	1355.5	1355.7	1356.1	1357.1	1358.1
157.5°	1396.3	1395.7	1395.1	1394.6	1394.4	1394.6	1395.0	1395.2	1395.4	1396.5	1397.6
160°	1420.9	1420.1	1419.4	1418.6	1418.3	1418.6	1418.8	1419.1	1419.4	1420.4	1421.5
162.5°	1443.1	1442.6	1442.0	1441.4	1441.1	1441.1	1441.2	1441.3	1441.3	1442.6	1443.9
165°	1472.6	1472.0	1471.6	1471.0	1470.8	1471.2	1471.4	1471.6	1472.0	1473.0	1474.0
167.5°	1496.9	1495.9	1494.8	1493.7	1493.2	1493.2	1493.2	1493.2	1493.2	1494.8	1496.4
170°	1510.3	1509.2	1508.2	1507.1	1506.6	1506.6	1506.6	1506.6	1506.6	1508.2	1509.7
172.5°	1519.9	1518.8	1517.7	1516.6	1516.2	1516.2	1516.2	1516.2	1516.2	1517.7	1519.3
175°	1530.6	1529.5	1528.4	1527.4	1526.9	1526.9	1526.9	1526.9	1526.9	1528.4	1530.1
177.5°	1536.3	1535.5	1534.6	1533.7	1533.2	1533.0	1532.8	1532.6	1532.4	1533.7	1534.9
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	1045.8	1045.8	1051.4	1051.1	1054.7	1053.4	1054.0
5°	1124.2	1131.2	1137.3	1141.5	1147.6	1149.3	1148.4
7.5°	1205.5	1221.0	1228.6	1239.0	1240.9	1246.3	1245.7
10°	1255.8	1271.1	1282.5	1291.6	1296.2	1301.9	1302.3
12.5°	1295.3	1308.2	1318.4	1326.8	1332.3	1334.1	1335.2
15°	1326.2	1340.5	1352.5	1364.4	1371.4	1376.7	1379.7
17.5°	1357.2	1379.5	1400.5	1416.7	1426.5	1434.6	1434.6
20°	1381.2	1406.8	1433.1	1451.6	1470.5	1478.8	1480.0
22.5°	1406.9	1446.0	1479.9	1508.6	1533.4	1542.0	1545.2
25°	1460.2	1511.2	1563.5	1603.9	1632.6	1649.5	1651.9
27.5°	1524.6	1593.7	1648.7	1685.8	1709.8	1722.3	1725.0
30°	1570.1	1633.9	1683.2	1711.2	1722.3	1723.9	1717.8
32.5°	1590.5	1638.2	1657.9	1656.2	1634.4	1619.9	1614.4
35°	1565.6	1555.7	1507.5	1450.0	1406.0	1378.0	1370.6
37.5°	1424.7	1339.6	1251.0	1164.0	1117.7	1094.2	1053.7
40°	1285.9	1164.5	1072.4	999.2	946.9	904.9	895.1
42.5°	1129.2	1003.9	911.8	849.1	807.4	778.6	766.0
45°	907.4	799.6	723.6	675.4	643.3	622.3	612.9
47.5°	725.8	642.4	586.9	551.3	526.9	508.6	503.5
50°	626.1	559.4	512.5	482.5	464.0	450.0	444.3
52.5°	543.8	490.0	453.9	429.2	411.7	403.0	398.2
55°	448.8	402.3	376.4	356.6	346.7	339.8	336.4
57.5°	367.0	333.4	314.5	300.9	291.8	287.2	285.7
60°	321.2	294.9	277.7	267.0	260.8	255.0	253.4
62.5°	280.7	260.1	246.7	237.3	231.2	228.7	227.8
65°	226.2	212.7	202.8	197.0	192.1	191.3	190.8
67.5°	179.8	171.8	166.7	160.7	158.9	156.1	155.5
70°	153.8	148.5	142.4	140.3	138.2	135.3	135.8
72.5°	130.5	125.2	121.0	118.2	117.5	116.2	117.3
75°	95.5	93.8	92.1	90.1	89.3	89.3	88.9
77.5°	68.1	66.7	64.9	63.7	63.5	61.7	62.3
80°	49.4	47.3	46.5	46.9	45.6	45.2	45.2
82.5°	36.5	35.8	34.9	35.0	34.8	34.4	34.7
85°	20.1	19.7	19.7	19.3	19.3	18.9	18.9
87.5°	11.9	12.4	12.0	11.8	12.0	12.5	13.0
90°	23.1	24.4	25.5	26.3	27.1	27.9	28.7
92.5°	51.1	52.9	54.0	54.7	55.2	55.8	56.4
95°	97.6	99.4	100.6	101.2	101.7	102.2	102.7
97.5°	151.7	153.4	154.6	154.9	155.2	155.5	155.8
100°	190.0	192.3	193.8	194.3	194.9	195.4	195.9
102.5°	228.9	231.4	233.1	233.9	234.6	235.4	236.1
105°	290.3	291.9	293.1	293.9	294.7	295.5	296.3
107.5°	357.0	357.7	358.1	358.1	358.1	358.0	357.9
110°	403.9	404.6	404.9	404.6	404.3	404.1	403.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	450.4	450.7	450.7	450.2	449.7	449.2	448.8
115°	521.3	521.0	520.8	520.5	520.2	520.0	519.8
117.5°	593.5	593.7	593.3	592.2	591.1	590.1	589.0
120°	641.6	641.6	641.0	640.0	638.9	637.9	636.8
122.5°	688.7	688.5	688.0	687.1	686.3	685.4	684.6
125°	758.3	757.7	757.3	757.1	756.8	756.5	756.3
127.5°	827.9	827.6	827.2	826.6	826.2	825.6	825.1
130°	873.8	873.5	873.1	872.6	872.0	871.5	871.0
132.5°	917.7	917.4	917.0	916.2	915.4	914.7	913.9
135°	985.6	985.6	985.2	984.0	983.0	981.9	980.9
137.5°	1051.9	1052.2	1051.7	1050.4	1049.0	1047.7	1046.3
140°	1093.6	1094.1	1093.7	1092.4	1091.1	1089.7	1088.4
142.5°	1134.0	1134.4	1133.9	1132.5	1131.2	1129.9	1128.5
145°	1192.3	1192.3	1191.9	1191.1	1190.3	1189.5	1188.7
147.5°	1247.3	1247.9	1247.4	1245.5	1243.7	1242.0	1240.2
150°	1280.8	1280.8	1280.5	1279.9	1279.5	1278.9	1278.3
152.5°	1313.3	1313.9	1313.8	1312.8	1311.9	1310.9	1310.0
155°	1359.2	1360.3	1360.2	1358.8	1357.5	1356.1	1354.9
157.5°	1398.7	1399.7	1399.4	1397.6	1395.8	1394.1	1392.3
160°	1422.5	1423.6	1423.5	1422.1	1420.8	1419.5	1418.2
162.5°	1445.2	1446.4	1446.3	1444.8	1443.2	1441.7	1440.1
165°	1475.1	1476.2	1475.9	1474.3	1472.7	1471.2	1469.5
167.5°	1497.9	1499.5	1499.5	1497.9	1496.3	1494.6	1492.9
170°	1511.3	1512.9	1512.8	1510.9	1509.1	1507.2	1505.4
172.5°	1520.9	1522.5	1522.5	1520.8	1519.2	1517.5	1515.9
175°	1531.7	1533.3	1533.1	1531.3	1529.4	1527.6	1525.7
177.5°	1536.2	1537.5	1537.4	1535.9	1534.4	1532.9	1531.4
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2

(END OF REPORT)