

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: P333696-930

Luminaire Tested: **S125RDIW-S850D1560U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333696-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S850D1560U930-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7759.5 lumens
Efficiency: N/A
Efficacy: 113.9 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

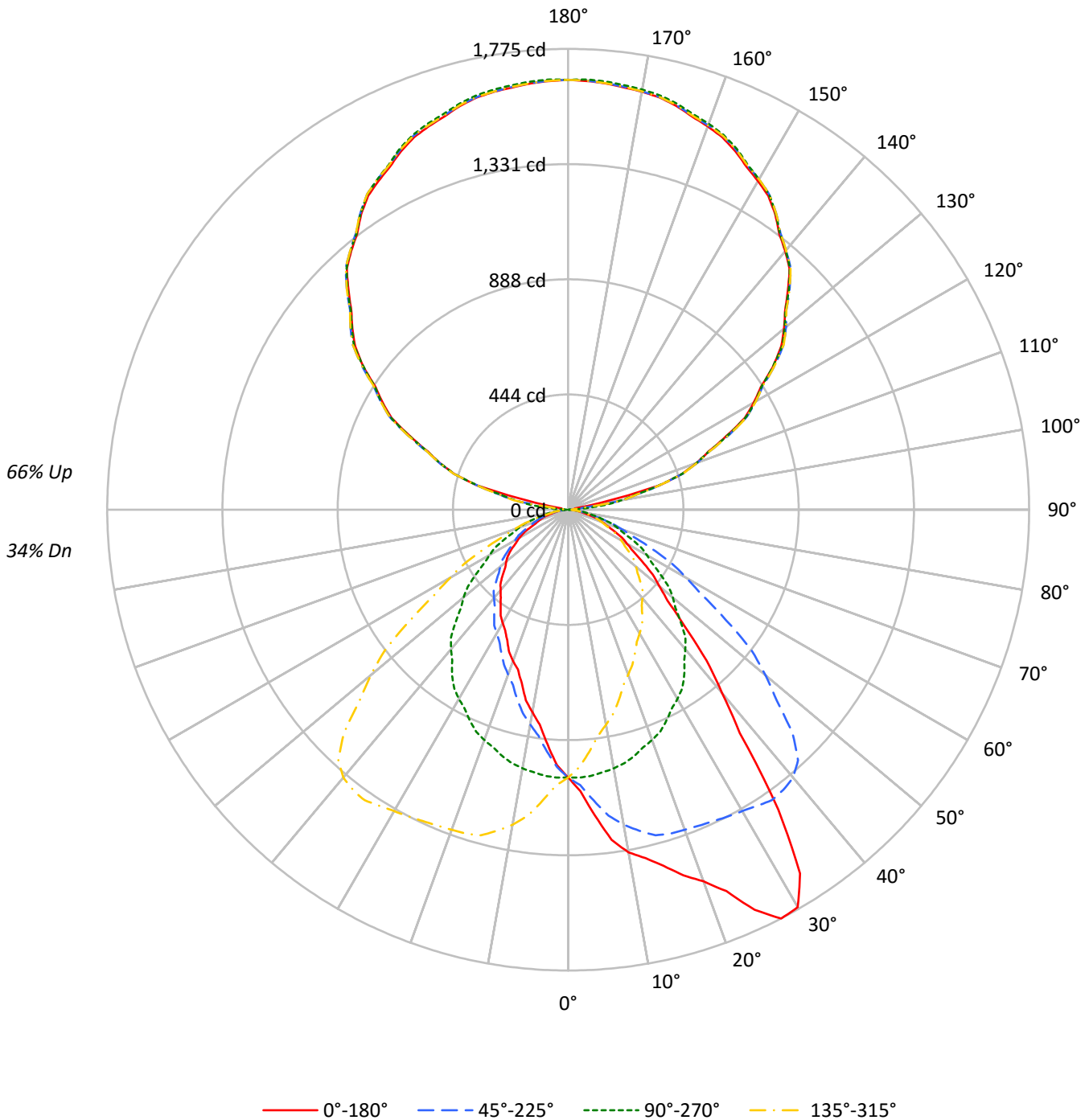
Input Watts (W): 68.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	103	103	103	103	93	93	93	93	75	75	75	58	58	58	42	42	42	34				
1	95	90	87	83	85	82	79	76	66	64	62	51	50	48	37	37	36	30				
2	86	79	73	69	78	72	67	63	58	55	52	45	43	41	33	32	31	25				
3	79	70	63	57	71	63	57	53	51	47	44	40	37	35	30	28	26	22				
4	72	62	54	49	65	56	50	45	46	41	37	36	33	30	27	25	23	19				
5	66	55	47	42	60	50	43	38	41	36	32	32	29	26	24	22	20	16				
6	61	49	42	36	55	45	38	33	37	32	28	29	25	23	22	19	18	14				
7	56	45	37	32	51	41	34	29	33	28	25	26	23	20	20	18	16	13				
8	52	40	33	28	47	37	30	26	30	25	22	24	21	18	18	16	14	12				
9	49	37	30	25	44	34	27	23	28	23	19	22	19	16	17	14	13	10				
10	45	34	27	22	41	31	25	20	25	21	17	20	17	14	16	13	12	9				

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	1.3
10°-20°	289.8	3.7
20°-30°	459.5	5.9
30°-40°	554.1	7.1
40°-50°	494.9	6.4
50°-60°	379.5	4.9
60°-70°	246.6	3.2
70°-80°	119.9	1.5
80°-90°	32.1	0.4
90°-100°	60.2	0.8
100°-110°	370.8	4.8
110°-120°	672.5	8.7
120°-130°	863.1	11.1
130°-140°	928.3	12.0
140°-150°	871.4	11.2
150°-160°	704.9	9.1
160°-170°	455.9	5.9
170°-180°	157.2	2.0
0°-30°	848.2	10.9
0°-40°	1402.4	18.1
0°-60°	2276.7	29.3
0°-90°	2675.3	34.5
90°-120°	1103.5	14.2
90°-150°	3766.2	48.5
90°-180°	5084.0	65.5
0°-180°	7759.5	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°	29	1	29	1	29	14
95°	26	70	26	70	26	21
105°	364	361	364	361	364	330
115°	672	678	672	678	672	668
125°	963	963	963	963	963	857
135°	1197	1202	1197	1202	1197	923
145°	1389	1393	1389	1393	1389	868
155°	1523	1534	1523	1534	1523	702
165°	1610	1619	1610	1619	1610	454
175°	1648	1656	1648	1656	1648	157
180°	1656	1656	1656	1656	1656	



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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°	13.4	12.8	12.3	12.1	12.3	12.8	12.2	11.6	11.3	11.0	11.0
90°	29.4	28.6	27.8	27.0	26.2	25.1	23.7	22.3	21.0	19.6	17.7
92.5°	27.5	27.1	26.7	26.3	25.9	25.1	23.7	22.3	21.0	19.6	17.9
95°	25.8	25.8	25.8	25.8	25.8	25.1	23.7	22.3	21.0	19.6	30.0
97.5°	25.8	25.8	25.8	25.8	25.8	29.6	37.3	45.0	52.7	60.4	80.9
100°	25.8	26.9	28.0	29.0	30.2	51.0	91.6	132.2	172.9	213.5	212.5
102.5°	154.4	172.9	191.5	210.0	228.6	241.7	249.4	257.1	264.8	272.5	271.8
105°	364.5	364.8	365.1	365.3	365.6	365.7	365.7	365.7	365.7	365.7	365.7
107.5°	459.5	460.3	461.1	461.9	462.8	463.2	463.1	463.1	463.0	462.9	462.4
110°	525.3	525.1	524.7	524.5	524.2	524.5	525.3	526.1	526.9	527.7	527.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	584.2	584.6	585.0	585.4	585.7	586.4	587.5	588.5	589.5	590.6	590.3
115°	672.5	674.2	675.8	677.5	679.1	680.4	681.6	682.7	683.7	684.9	684.6
117.5°	766.8	767.5	768.3	769.0	769.6	770.7	772.2	773.6	774.9	776.4	775.3
120°	824.8	826.1	827.4	828.8	830.2	831.2	831.7	832.3	832.8	833.3	832.5
122.5°	879.7	881.3	882.9	884.5	886.1	887.1	887.7	888.2	888.8	889.3	888.9
125°	963.4	964.3	965.1	965.9	966.7	967.7	968.7	969.9	970.9	972.0	972.0
127.5°	1033.9	1035.9	1038.0	1039.9	1042.0	1043.3	1043.9	1044.5	1045.1	1045.7	1045.9
130°	1084.9	1086.3	1087.7	1089.1	1090.4	1091.5	1092.3	1093.2	1094.0	1094.8	1094.5
132.5°	1132.0	1133.4	1134.8	1136.2	1137.5	1138.3	1138.5	1138.6	1138.8	1139.0	1139.5
135°	1196.6	1198.2	1199.9	1201.5	1203.1	1204.3	1204.8	1205.3	1205.9	1206.5	1207.0
137.5°	1261.4	1262.8	1264.3	1265.7	1267.1	1267.8	1267.6	1267.5	1267.5	1267.3	1267.8
140°	1299.8	1301.4	1303.0	1304.6	1306.3	1306.8	1306.3	1305.7	1305.2	1304.6	1304.9
142.5°	1336.0	1337.7	1339.3	1340.9	1342.6	1343.4	1343.3	1343.1	1343.0	1343.0	1342.6
145°	1389.4	1391.0	1392.6	1394.2	1395.9	1396.5	1396.3	1396.0	1395.7	1395.5	1395.5
147.5°	1433.3	1435.3	1437.2	1439.2	1441.1	1441.9	1441.6	1441.3	1441.0	1440.6	1440.3
150°	1461.8	1464.0	1466.1	1468.3	1470.5	1471.3	1470.7	1470.1	1469.7	1469.1	1468.5
152.5°	1488.2	1490.2	1492.2	1494.1	1496.1	1496.8	1496.2	1495.7	1495.2	1494.6	1494.1
155°	1523.1	1525.3	1527.5	1529.7	1531.8	1532.5	1531.7	1530.9	1530.1	1529.3	1528.7
157.5°	1552.3	1554.4	1556.7	1558.9	1561.1	1561.7	1560.8	1559.9	1559.1	1558.2	1558.1
160°	1571.0	1573.1	1575.3	1577.5	1579.7	1580.2	1579.2	1578.0	1577.0	1575.9	1575.6
162.5°	1587.6	1590.1	1592.4	1594.9	1597.3	1597.7	1596.2	1594.6	1593.1	1591.5	1591.3
165°	1610.2	1612.4	1614.6	1616.8	1618.9	1619.3	1617.6	1615.9	1614.3	1612.7	1612.4
167.5°	1626.0	1628.4	1630.8	1633.3	1635.7	1636.0	1634.0	1632.1	1630.1	1628.2	1627.9
170°	1634.8	1637.2	1639.7	1642.2	1644.6	1644.7	1642.6	1640.4	1638.2	1636.0	1635.7
172.5°	1640.7	1643.2	1645.6	1648.0	1650.5	1650.7	1648.8	1646.8	1644.9	1642.9	1642.4
175°	1648.3	1650.7	1653.2	1655.6	1658.1	1658.2	1656.0	1653.8	1651.7	1649.5	1649.3
177.5°	1652.7	1654.4	1656.2	1657.9	1659.7	1659.8	1658.2	1656.8	1655.2	1653.7	1653.4
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



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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°	10.9	10.6	10.5	10.1	9.4	10.6	11.2	11.1	10.8	10.6	10.4
90°	15.8	13.9	12.0	9.9	7.7	5.6	3.4	1.2	3.4	5.6	7.7
92.5°	16.2	14.6	12.9	12.8	14.3	15.8	17.4	18.9	17.4	15.8	14.3
95°	40.4	50.7	61.1	66.7	67.5	68.3	69.1	70.0	69.1	68.3	67.5
97.5°	101.4	121.9	142.4	152.0	150.5	149.0	147.5	146.0	147.5	149.0	150.5
100°	211.4	210.3	209.2	208.2	207.4	206.6	205.8	205.0	205.8	206.6	207.4
102.5°	271.2	270.5	269.9	269.0	268.0	266.9	265.9	264.9	265.9	266.9	268.0
105°	365.7	365.7	365.7	365.2	364.1	363.1	361.9	360.9	361.9	363.1	364.1
107.5°	461.9	461.3	460.7	460.5	460.5	460.5	460.5	460.5	460.5	460.5	460.5
110°	526.7	526.1	525.5	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3



TEST NUMBER: P333696-930

CATALOG NUMBER: S125RDIW-S850D1560U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	590.0	589.6	589.3	588.8	588.2	587.5	586.9	586.2	586.9	587.5	588.2
115°	684.3	684.0	683.7	682.9	681.6	680.2	678.8	677.5	678.8	680.2	681.6
117.5°	774.3	773.3	772.3	771.8	771.8	771.8	771.9	772.0	771.9	771.8	771.8
120°	831.7	830.9	830.1	829.8	830.1	830.4	830.6	830.9	830.6	830.4	830.1
122.5°	888.5	888.2	887.8	887.0	886.1	885.0	883.9	883.0	883.9	885.0	886.1
125°	972.0	972.0	972.0	971.1	969.1	967.3	965.3	963.4	965.3	967.3	969.1
127.5°	1046.0	1046.2	1046.4	1045.7	1044.4	1043.0	1041.6	1040.2	1041.6	1043.0	1044.4
130°	1094.2	1094.0	1093.6	1092.8	1091.5	1090.1	1088.8	1087.4	1088.8	1090.1	1091.5
132.5°	1140.1	1140.8	1141.3	1140.8	1139.3	1137.7	1136.1	1134.5	1136.1	1137.7	1139.3
135°	1207.5	1208.1	1208.6	1208.1	1206.5	1204.8	1203.1	1201.5	1203.1	1204.8	1206.5
137.5°	1268.3	1268.8	1269.3	1268.9	1267.4	1266.0	1264.5	1263.1	1264.5	1266.0	1267.4
140°	1305.2	1305.5	1305.7	1305.6	1305.0	1304.5	1304.0	1303.4	1304.0	1304.5	1305.0
142.5°	1342.1	1341.8	1341.4	1341.0	1340.7	1340.4	1340.0	1339.7	1340.0	1340.4	1340.7
145°	1395.5	1395.5	1395.5	1395.2	1394.7	1394.1	1393.5	1393.0	1393.5	1394.1	1394.7
147.5°	1440.0	1439.7	1439.3	1439.2	1439.3	1439.4	1439.5	1439.7	1439.5	1439.4	1439.3
150°	1468.0	1467.5	1466.9	1466.9	1467.5	1468.0	1468.5	1469.1	1468.5	1468.0	1467.5
152.5°	1493.5	1493.0	1492.4	1492.7	1494.0	1495.2	1496.4	1497.5	1496.4	1495.2	1494.0
155°	1528.1	1527.6	1527.1	1527.6	1529.3	1530.9	1532.5	1534.1	1532.5	1530.9	1529.3
157.5°	1558.1	1558.0	1558.0	1558.4	1559.4	1560.4	1561.4	1562.4	1561.4	1560.4	1559.4
160°	1575.3	1575.1	1574.8	1575.5	1577.1	1578.7	1580.4	1582.0	1580.4	1578.7	1577.1
162.5°	1591.1	1590.7	1590.5	1591.1	1592.8	1594.5	1596.1	1597.7	1596.1	1594.5	1592.8
165°	1612.2	1611.8	1611.6	1612.3	1613.9	1615.5	1617.2	1618.9	1617.2	1615.5	1613.9
167.5°	1627.6	1627.3	1627.1	1627.7	1629.5	1631.2	1632.9	1634.5	1632.9	1631.2	1629.5
170°	1635.5	1635.2	1634.9	1635.7	1637.6	1639.6	1641.4	1643.4	1641.4	1639.6	1637.6
172.5°	1641.9	1641.4	1641.0	1641.6	1643.6	1645.4	1647.4	1649.3	1647.4	1645.4	1643.6
175°	1648.9	1648.7	1648.5	1649.1	1650.7	1652.4	1654.0	1655.6	1654.0	1652.4	1650.7
177.5°	1653.3	1653.0	1652.8	1653.3	1654.6	1656.0	1657.3	1658.6	1657.3	1656.0	1654.6
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



TEST NUMBER: P333696-930

CATALOG NUMBER: S125RDIW-S850D1560U930-4F0-1E-UDD-A

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°	10.4	10.8	10.9	12.0	11.3	12.1	12.3	12.2	12.6	12.8	12.7
90°	9.9	12.0	13.9	15.8	17.7	19.6	21.0	22.3	23.7	25.1	26.2
92.5°	12.8	12.9	14.6	16.2	17.9	19.6	21.0	22.3	23.7	25.1	25.9
95°	66.7	61.1	50.7	40.4	30.0	19.6	21.0	22.3	23.7	25.1	25.8
97.5°	152.0	142.4	121.9	101.4	80.9	60.4	52.7	45.0	37.3	29.6	25.8
100°	208.2	209.2	210.3	211.4	212.5	213.5	172.9	132.2	91.6	51.0	30.2
102.5°	269.0	269.9	270.5	271.2	271.8	272.5	264.8	257.1	249.4	241.7	228.6
105°	365.2	365.7	365.7	365.7	365.7	365.7	365.7	365.7	365.7	365.7	365.6
107.5°	460.5	460.7	461.3	461.9	462.4	462.9	463.0	463.1	463.1	463.2	462.8
110°	525.3	525.5	526.1	526.7	527.2	527.7	526.9	526.1	525.3	524.5	524.2



TEST NUMBER: P333696-930

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	588.8	589.3	589.6	590.0	590.3	590.6	589.5	588.5	587.5	586.4	585.7
115°	682.9	683.7	684.0	684.3	684.6	684.9	683.7	682.7	681.6	680.4	679.1
117.5°	771.8	772.3	773.3	774.3	775.3	776.4	774.9	773.6	772.2	770.7	769.6
120°	829.8	830.1	830.9	831.7	832.5	833.3	832.8	832.3	831.7	831.2	830.2
122.5°	887.0	887.8	888.2	888.5	888.9	889.3	888.8	888.2	887.7	887.1	886.1
125°	971.1	972.0	972.0	972.0	972.0	972.0	970.9	969.9	968.7	967.7	966.7
127.5°	1045.7	1046.4	1046.2	1046.0	1045.9	1045.7	1045.1	1044.5	1043.9	1043.3	1042.0
130°	1092.8	1093.6	1094.0	1094.2	1094.5	1094.8	1094.0	1093.2	1092.3	1091.5	1090.4
132.5°	1140.8	1141.3	1140.8	1140.1	1139.5	1139.0	1138.8	1138.6	1138.5	1138.3	1137.5
135°	1208.1	1208.6	1208.1	1207.5	1207.0	1206.5	1205.9	1205.3	1204.8	1204.3	1203.1
137.5°	1268.9	1269.3	1268.8	1268.3	1267.8	1267.3	1267.5	1267.5	1267.6	1267.8	1267.1
140°	1305.6	1305.7	1305.5	1305.2	1304.9	1304.6	1305.2	1305.7	1306.3	1306.8	1306.3
142.5°	1341.0	1341.4	1341.8	1342.1	1342.6	1343.0	1343.0	1343.1	1343.3	1343.4	1342.6
145°	1395.2	1395.5	1395.5	1395.5	1395.5	1395.5	1395.7	1396.0	1396.3	1396.5	1395.9
147.5°	1439.2	1439.3	1439.7	1440.0	1440.3	1440.6	1441.0	1441.3	1441.6	1441.9	1441.1
150°	1466.9	1466.9	1467.5	1468.0	1468.5	1469.1	1469.7	1470.1	1470.7	1471.3	1470.5
152.5°	1492.7	1492.4	1493.0	1493.5	1494.1	1494.6	1495.2	1495.7	1496.2	1496.8	1496.1
155°	1527.6	1527.1	1527.6	1528.1	1528.7	1529.3	1530.1	1530.9	1531.7	1532.5	1531.8
157.5°	1558.4	1558.0	1558.0	1558.1	1558.1	1558.2	1559.1	1559.9	1560.8	1561.7	1561.1
160°	1575.5	1574.8	1575.1	1575.3	1575.6	1575.9	1577.0	1578.0	1579.2	1580.2	1579.7
162.5°	1591.1	1590.5	1590.7	1591.1	1591.3	1591.5	1593.1	1594.6	1596.2	1597.7	1597.3
165°	1612.3	1611.6	1611.8	1612.2	1612.4	1612.7	1614.3	1615.9	1617.6	1619.3	1618.9
167.5°	1627.7	1627.1	1627.3	1627.6	1627.9	1628.2	1630.1	1632.1	1634.0	1636.0	1635.7
170°	1635.7	1634.9	1635.2	1635.5	1635.7	1636.0	1638.2	1640.4	1642.6	1644.7	1644.6
172.5°	1641.6	1641.0	1641.4	1641.9	1642.4	1642.9	1644.9	1646.8	1648.8	1650.7	1650.5
175°	1649.1	1648.5	1648.7	1648.9	1649.3	1649.5	1651.7	1653.8	1656.0	1658.2	1658.1
177.5°	1653.3	1652.8	1653.0	1653.3	1653.4	1653.7	1655.2	1656.8	1658.2	1659.8	1659.7
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



TEST NUMBER: P333696-930

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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°	13.2	13.0	13.2	13.4	13.2	13.0	13.2	12.7	12.8	12.6	12.2
90°	27.0	27.8	28.6	29.4	28.6	27.8	27.0	26.2	25.1	23.7	22.3
92.5°	26.3	26.7	27.1	27.5	27.1	26.7	26.3	25.9	25.1	23.7	22.3
95°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.1	23.7	22.3
97.5°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	29.6	37.3	45.0
100°	29.0	28.0	26.9	25.8	26.9	28.0	29.0	30.2	51.0	91.6	132.2
102.5°	210.0	191.5	172.9	154.4	172.9	191.5	210.0	228.6	241.7	249.4	257.1
105°	365.3	365.1	364.8	364.5	364.8	365.1	365.3	365.6	365.7	365.7	365.7
107.5°	461.9	461.1	460.3	459.5	460.3	461.1	461.9	462.8	463.2	463.1	463.1
110°	524.5	524.7	525.1	525.3	525.1	524.7	524.5	524.2	524.5	525.3	526.1



TEST NUMBER: P333696-930

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	585.4	585.0	584.6	584.2	584.6	585.0	585.4	585.7	586.4	587.5	588.5
115°	677.5	675.8	674.2	672.5	674.2	675.8	677.5	679.1	680.4	681.6	682.7
117.5°	769.0	768.3	767.5	766.8	767.5	768.3	769.0	769.6	770.7	772.2	773.6
120°	828.8	827.4	826.1	824.8	826.1	827.4	828.8	830.2	831.2	831.7	832.3
122.5°	884.5	882.9	881.3	879.7	881.3	882.9	884.5	886.1	887.1	887.7	888.2
125°	965.9	965.1	964.3	963.4	964.3	965.1	965.9	966.7	967.7	968.7	969.9
127.5°	1039.9	1038.0	1035.9	1033.9	1035.9	1038.0	1039.9	1042.0	1043.3	1043.9	1044.5
130°	1089.1	1087.7	1086.3	1084.9	1086.3	1087.7	1089.1	1090.4	1091.5	1092.3	1093.2
132.5°	1136.2	1134.8	1133.4	1132.0	1133.4	1134.8	1136.2	1137.5	1138.3	1138.5	1138.6
135°	1201.5	1199.9	1198.2	1196.6	1198.2	1199.9	1201.5	1203.1	1204.3	1204.8	1205.3
137.5°	1265.7	1264.3	1262.8	1261.4	1262.8	1264.3	1265.7	1267.1	1267.8	1267.6	1267.5
140°	1304.6	1303.0	1301.4	1299.8	1301.4	1303.0	1304.6	1306.3	1306.8	1306.3	1305.7
142.5°	1340.9	1339.3	1337.7	1336.0	1337.7	1339.3	1340.9	1342.6	1343.4	1343.3	1343.1
145°	1394.2	1392.6	1391.0	1389.4	1391.0	1392.6	1394.2	1395.9	1396.5	1396.3	1396.0
147.5°	1439.2	1437.2	1435.3	1433.3	1435.3	1437.2	1439.2	1441.1	1441.9	1441.6	1441.3
150°	1468.3	1466.1	1464.0	1461.8	1464.0	1466.1	1468.3	1470.5	1471.3	1470.7	1470.1
152.5°	1494.1	1492.2	1490.2	1488.2	1490.2	1492.2	1494.1	1496.1	1496.8	1496.2	1495.7
155°	1529.7	1527.5	1525.3	1523.1	1525.3	1527.5	1529.7	1531.8	1532.5	1531.7	1530.9
157.5°	1558.9	1556.7	1554.4	1552.3	1554.4	1556.7	1558.9	1561.1	1561.7	1560.8	1559.9
160°	1577.5	1575.3	1573.1	1571.0	1573.1	1575.3	1577.5	1579.7	1580.2	1579.2	1578.0
162.5°	1594.9	1592.4	1590.1	1587.6	1590.1	1592.4	1594.9	1597.3	1597.7	1596.2	1594.6
165°	1616.8	1614.6	1612.4	1610.2	1612.4	1614.6	1616.8	1618.9	1619.3	1617.6	1615.9
167.5°	1633.3	1630.8	1628.4	1626.0	1628.4	1630.8	1633.3	1635.7	1636.0	1634.0	1632.1
170°	1642.2	1639.7	1637.2	1634.8	1637.2	1639.7	1642.2	1644.6	1644.7	1642.6	1640.4
172.5°	1648.0	1645.6	1643.2	1640.7	1643.2	1645.6	1648.0	1650.5	1650.7	1648.8	1646.8
175°	1655.6	1653.2	1650.7	1648.3	1650.7	1653.2	1655.6	1658.1	1658.2	1656.0	1653.8
177.5°	1657.9	1656.2	1654.4	1652.7	1654.4	1656.2	1657.9	1659.7	1659.8	1658.2	1656.8
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



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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°	12.3	12.1	11.3	12.0	10.9	10.8	10.4	10.4	10.6	10.8	11.1
90°	21.0	19.6	17.7	15.8	13.9	12.0	9.9	7.7	5.6	3.4	1.2
92.5°	21.0	19.6	17.9	16.2	14.6	12.9	12.8	14.3	15.8	17.4	18.9
95°	21.0	19.6	30.0	40.4	50.7	61.1	66.7	67.5	68.3	69.1	70.0
97.5°	52.7	60.4	80.9	101.4	121.9	142.4	152.0	150.5	149.0	147.5	146.0
100°	172.9	213.5	212.5	211.4	210.3	209.2	208.2	207.4	206.6	205.8	205.0
102.5°	264.8	272.5	271.8	271.2	270.5	269.9	269.0	268.0	266.9	265.9	264.9
105°	365.7	365.7	365.7	365.7	365.7	365.7	365.2	364.1	363.1	361.9	360.9
107.5°	463.0	462.9	462.4	461.9	461.3	460.7	460.5	460.5	460.5	460.5	460.5
110°	526.9	527.7	527.2	526.7	526.1	525.5	525.3	525.3	525.3	525.3	525.3



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	589.5	590.6	590.3	590.0	589.6	589.3	588.8	588.2	587.5	586.9	586.2
115°	683.7	684.9	684.6	684.3	684.0	683.7	682.9	681.6	680.2	678.8	677.5
117.5°	774.9	776.4	775.3	774.3	773.3	772.3	771.8	771.8	771.8	771.9	772.0
120°	832.8	833.3	832.5	831.7	830.9	830.1	829.8	830.1	830.4	830.6	830.9
122.5°	888.8	889.3	888.9	888.5	888.2	887.8	887.0	886.1	885.0	883.9	883.0
125°	970.9	972.0	972.0	972.0	972.0	972.0	971.1	969.1	967.3	965.3	963.4
127.5°	1045.1	1045.7	1045.9	1046.0	1046.2	1046.4	1045.7	1044.4	1043.0	1041.6	1040.2
130°	1094.0	1094.8	1094.5	1094.2	1094.0	1093.6	1092.8	1091.5	1090.1	1088.8	1087.4
132.5°	1138.8	1139.0	1139.5	1140.1	1140.8	1141.3	1140.8	1139.3	1137.7	1136.1	1134.5
135°	1205.9	1206.5	1207.0	1207.5	1208.1	1208.6	1208.1	1206.5	1204.8	1203.1	1201.5
137.5°	1267.5	1267.3	1267.8	1268.3	1268.8	1269.3	1268.9	1267.4	1266.0	1264.5	1263.1
140°	1305.2	1304.6	1304.9	1305.2	1305.5	1305.7	1305.6	1305.0	1304.5	1304.0	1303.4
142.5°	1343.0	1343.0	1342.6	1342.1	1341.8	1341.4	1341.0	1340.7	1340.4	1340.0	1339.7
145°	1395.7	1395.5	1395.5	1395.5	1395.5	1395.5	1395.2	1394.7	1394.1	1393.5	1393.0
147.5°	1441.0	1440.6	1440.3	1440.0	1439.7	1439.3	1439.2	1439.3	1439.4	1439.5	1439.7
150°	1469.7	1469.1	1468.5	1468.0	1467.5	1466.9	1466.9	1467.5	1468.0	1468.5	1469.1
152.5°	1495.2	1494.6	1494.1	1493.5	1493.0	1492.4	1492.7	1494.0	1495.2	1496.4	1497.5
155°	1530.1	1529.3	1528.7	1528.1	1527.6	1527.1	1527.6	1529.3	1530.9	1532.5	1534.1
157.5°	1559.1	1558.2	1558.1	1558.1	1558.0	1558.0	1558.4	1559.4	1560.4	1561.4	1562.4
160°	1577.0	1575.9	1575.6	1575.3	1575.1	1574.8	1575.5	1577.1	1578.7	1580.4	1582.0
162.5°	1593.1	1591.5	1591.3	1591.1	1590.7	1590.5	1591.1	1592.8	1594.5	1596.1	1597.7
165°	1614.3	1612.7	1612.4	1612.2	1611.8	1611.6	1612.3	1613.9	1615.5	1617.2	1618.9
167.5°	1630.1	1628.2	1627.9	1627.6	1627.3	1627.1	1627.7	1629.5	1631.2	1632.9	1634.5
170°	1638.2	1636.0	1635.7	1635.5	1635.2	1634.9	1635.7	1637.6	1639.6	1641.4	1643.4
172.5°	1644.9	1642.9	1642.4	1641.9	1641.4	1641.0	1641.6	1643.6	1645.4	1647.4	1649.3
175°	1651.7	1649.5	1649.3	1648.9	1648.7	1648.5	1649.1	1650.7	1652.4	1654.0	1655.6
177.5°	1655.2	1653.7	1653.4	1653.3	1653.0	1652.8	1653.3	1654.6	1656.0	1657.3	1658.6
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



TEST NUMBER: P333696-930

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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°	11.2	10.6	9.4	10.1	10.5	10.6	10.9	11.0	11.0	11.3	11.6
90°	3.4	5.6	7.7	9.9	12.0	13.9	15.8	17.7	19.6	21.0	22.3
92.5°	17.4	15.8	14.3	12.8	12.9	14.6	16.2	17.9	19.6	21.0	22.3
95°	69.1	68.3	67.5	66.7	61.1	50.7	40.4	30.0	19.6	21.0	22.3
97.5°	147.5	149.0	150.5	152.0	142.4	121.9	101.4	80.9	60.4	52.7	45.0
100°	205.8	206.6	207.4	208.2	209.2	210.3	211.4	212.5	213.5	172.9	132.2
102.5°	265.9	266.9	268.0	269.0	269.9	270.5	271.2	271.8	272.5	264.8	257.1
105°	361.9	363.1	364.1	365.2	365.7	365.7	365.7	365.7	365.7	365.7	365.7
107.5°	460.5	460.5	460.5	460.5	460.7	461.3	461.9	462.4	462.9	463.0	463.1
110°	525.3	525.3	525.3	525.3	525.5	526.1	526.7	527.2	527.7	526.9	526.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	586.9	587.5	588.2	588.8	589.3	589.6	590.0	590.3	590.6	589.5	588.5
115°	678.8	680.2	681.6	682.9	683.7	684.0	684.3	684.6	684.9	683.7	682.7
117.5°	771.9	771.8	771.8	771.8	772.3	773.3	774.3	775.3	776.4	774.9	773.6
120°	830.6	830.4	830.1	829.8	830.1	830.9	831.7	832.5	833.3	832.8	832.3
122.5°	883.9	885.0	886.1	887.0	887.8	888.2	888.5	888.9	889.3	888.8	888.2
125°	965.3	967.3	969.1	971.1	972.0	972.0	972.0	972.0	972.0	970.9	969.9
127.5°	1041.6	1043.0	1044.4	1045.7	1046.4	1046.2	1046.0	1045.9	1045.7	1045.1	1044.5
130°	1088.8	1090.1	1091.5	1092.8	1093.6	1094.0	1094.2	1094.5	1094.8	1094.0	1093.2
132.5°	1136.1	1137.7	1139.3	1140.8	1141.3	1140.8	1140.1	1139.5	1139.0	1138.8	1138.6
135°	1203.1	1204.8	1206.5	1208.1	1208.6	1208.1	1207.5	1207.0	1206.5	1205.9	1205.3
137.5°	1264.5	1266.0	1267.4	1268.9	1269.3	1268.8	1268.3	1267.8	1267.3	1267.5	1267.5
140°	1304.0	1304.5	1305.0	1305.6	1305.7	1305.5	1305.2	1304.9	1304.6	1305.2	1305.7
142.5°	1340.0	1340.4	1340.7	1341.0	1341.4	1341.8	1342.1	1342.6	1343.0	1343.0	1343.1
145°	1393.5	1394.1	1394.7	1395.2	1395.5	1395.5	1395.5	1395.5	1395.5	1395.7	1396.0
147.5°	1439.5	1439.4	1439.3	1439.2	1439.3	1439.7	1440.0	1440.3	1440.6	1441.0	1441.3
150°	1468.5	1468.0	1467.5	1466.9	1466.9	1467.5	1468.0	1468.5	1469.1	1469.7	1470.1
152.5°	1496.4	1495.2	1494.0	1492.7	1492.4	1493.0	1493.5	1494.1	1494.6	1495.2	1495.7
155°	1532.5	1530.9	1529.3	1527.6	1527.1	1527.6	1528.1	1528.7	1529.3	1530.1	1530.9
157.5°	1561.4	1560.4	1559.4	1558.4	1558.0	1558.0	1558.1	1558.1	1558.2	1559.1	1559.9
160°	1580.4	1578.7	1577.1	1575.5	1574.8	1575.1	1575.3	1575.6	1575.9	1577.0	1578.0
162.5°	1596.1	1594.5	1592.8	1591.1	1590.5	1590.7	1591.1	1591.3	1591.5	1593.1	1594.6
165°	1617.2	1615.5	1613.9	1612.3	1611.6	1611.8	1612.2	1612.4	1612.7	1614.3	1615.9
167.5°	1632.9	1631.2	1629.5	1627.7	1627.1	1627.3	1627.6	1627.9	1628.2	1630.1	1632.1
170°	1641.4	1639.6	1637.6	1635.7	1634.9	1635.2	1635.5	1635.7	1636.0	1638.2	1640.4
172.5°	1647.4	1645.4	1643.6	1641.6	1641.0	1641.4	1641.9	1642.4	1642.9	1644.9	1646.8
175°	1654.0	1652.4	1650.7	1649.1	1648.5	1648.7	1648.9	1649.3	1649.5	1651.7	1653.8
177.5°	1657.3	1656.0	1654.6	1653.3	1652.8	1653.0	1653.3	1653.4	1653.7	1655.2	1656.8
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



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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°	12.2	12.8	12.3	12.1	12.3	12.8	13.4
90°	23.7	25.1	26.2	27.0	27.8	28.6	29.4
92.5°	23.7	25.1	25.9	26.3	26.7	27.1	27.5
95°	23.7	25.1	25.8	25.8	25.8	25.8	25.8
97.5°	37.3	29.6	25.8	25.8	25.8	25.8	25.8
100°	91.6	51.0	30.2	29.0	28.0	26.9	25.8
102.5°	249.4	241.7	228.6	210.0	191.5	172.9	154.4
105°	365.7	365.7	365.6	365.3	365.1	364.8	364.5
107.5°	463.1	463.2	462.8	461.9	461.1	460.3	459.5
110°	525.3	524.5	524.2	524.5	524.7	525.1	525.3



TEST NUMBER: P333696-930

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	587.5	586.4	585.7	585.4	585.0	584.6	584.2
115°	681.6	680.4	679.1	677.5	675.8	674.2	672.5
117.5°	772.2	770.7	769.6	769.0	768.3	767.5	766.8
120°	831.7	831.2	830.2	828.8	827.4	826.1	824.8
122.5°	887.7	887.1	886.1	884.5	882.9	881.3	879.7
125°	968.7	967.7	966.7	965.9	965.1	964.3	963.4
127.5°	1043.9	1043.3	1042.0	1039.9	1038.0	1035.9	1033.9
130°	1092.3	1091.5	1090.4	1089.1	1087.7	1086.3	1084.9
132.5°	1138.5	1138.3	1137.5	1136.2	1134.8	1133.4	1132.0
135°	1204.8	1204.3	1203.1	1201.5	1199.9	1198.2	1196.6
137.5°	1267.6	1267.8	1267.1	1265.7	1264.3	1262.8	1261.4
140°	1306.3	1306.8	1306.3	1304.6	1303.0	1301.4	1299.8
142.5°	1343.3	1343.4	1342.6	1340.9	1339.3	1337.7	1336.0
145°	1396.3	1396.5	1395.9	1394.2	1392.6	1391.0	1389.4
147.5°	1441.6	1441.9	1441.1	1439.2	1437.2	1435.3	1433.3
150°	1470.7	1471.3	1470.5	1468.3	1466.1	1464.0	1461.8
152.5°	1496.2	1496.8	1496.1	1494.1	1492.2	1490.2	1488.2
155°	1531.7	1532.5	1531.8	1529.7	1527.5	1525.3	1523.1
157.5°	1560.8	1561.7	1561.1	1558.9	1556.7	1554.4	1552.3
160°	1579.2	1580.2	1579.7	1577.5	1575.3	1573.1	1571.0
162.5°	1596.2	1597.7	1597.3	1594.9	1592.4	1590.1	1587.6
165°	1617.6	1619.3	1618.9	1616.8	1614.6	1612.4	1610.2
167.5°	1634.0	1636.0	1635.7	1633.3	1630.8	1628.4	1626.0
170°	1642.6	1644.7	1644.6	1642.2	1639.7	1637.2	1634.8
172.5°	1648.8	1650.7	1650.5	1648.0	1645.6	1643.2	1640.7
175°	1656.0	1658.2	1658.1	1655.6	1653.2	1650.7	1648.3
177.5°	1658.2	1659.8	1659.7	1657.9	1656.2	1654.4	1652.7
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6

(END OF REPORT)