

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: P333697-940

Luminaire Tested: **S125RDIW-S850D1560U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333697-940
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-S850D1560U940-4F0-1E-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: 7748.2 lumens
Efficiency: N/A
Efficacy: 113.8 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

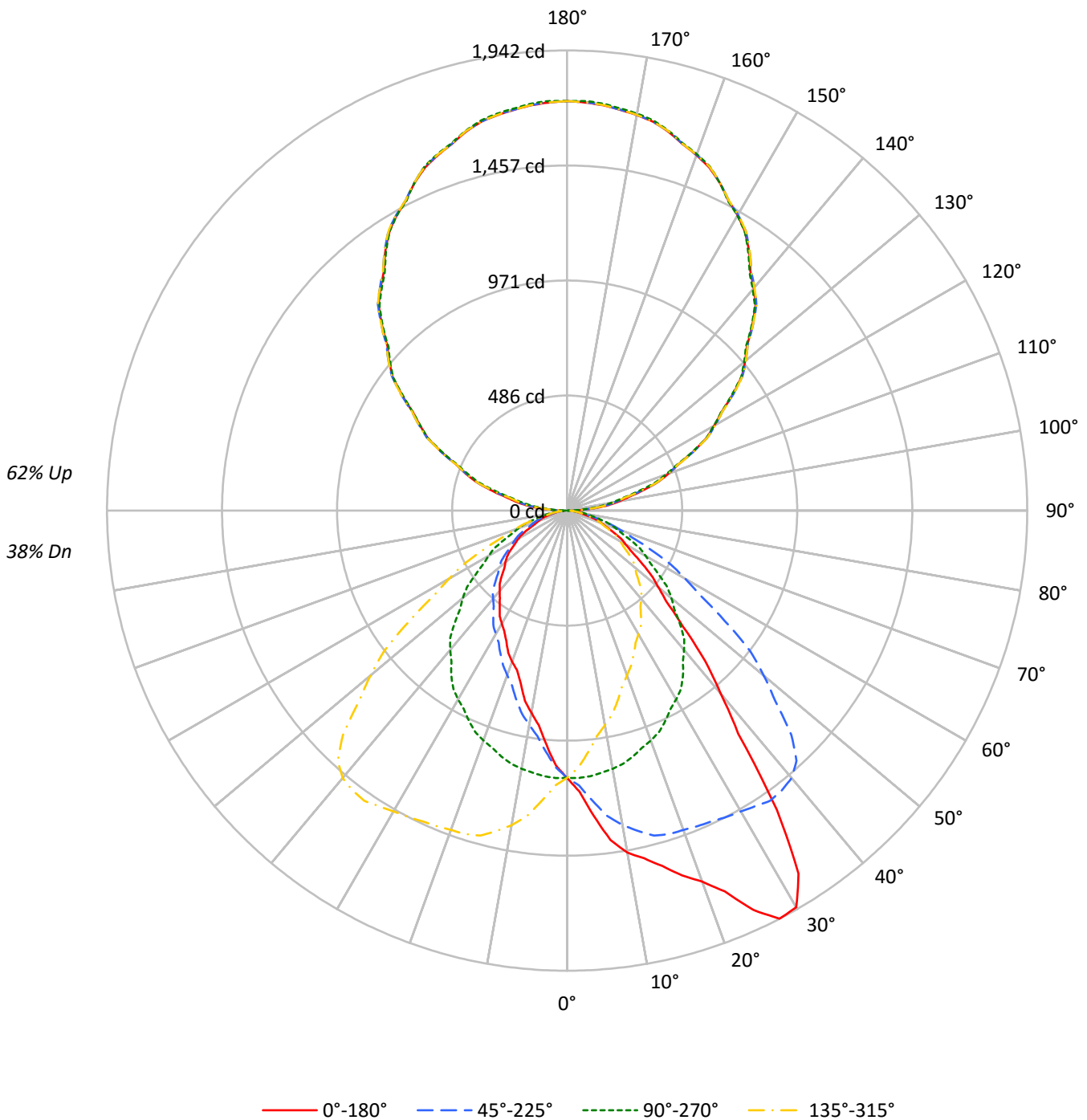
Input Watts (W): 68.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7284	7284	7284	7284
5°	8381	7295	6442	7295
10°	9613	7257	5684	7257
15°	10384	7182	5052	7182
20°	11450	7096	4665	7096
25°	13251	6981	4329	6981
30°	14420	6861	4109	6861
35°	12163	6720	3906	6720
40°	8494	6468	3731	6468
45°	6301	6128	3561	6128
50°	5025	5773	3414	5773
55°	4264	5334	3284	5334
60°	3685	4941	3074	4941
65°	3283	4514	2647	4514
70°	2885	4135	2413	4135
75°	2495	3583	2266	3583
80°	1893	3016	1893	3016
85°	1578	2364	1786	2364



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.2	1.4
10°-20°	317.0	4.1
20°-30°	502.6	6.5
30°-40°	606.1	7.8
40°-50°	541.2	7.0
50°-60°	415.1	5.4
60°-70°	269.7	3.5
70°-80°	131.1	1.7
80°-90°	35.1	0.5
90°-100°	115.7	1.5
100°-110°	341.8	4.4
110°-120°	578.9	7.5
120°-130°	761.9	9.8
130°-140°	853.7	11.0
140°-150°	836.7	10.8
150°-160°	702.8	9.1
160°-170°	467.2	6.0
170°-180°	163.5	2.1
0°-30°	927.7	12.0
0°-40°	1533.8	19.8
0°-60°	2490.1	32.1
0°-90°	2926.0	37.8
90°-120°	1036.5	13.4
90°-150°	3488.8	45.0
90°-180°	4822.0	62.2
0°-180°	7748.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1128	1128	1128	1128	1128	
5°	1293	1125	994	1125	1293	129
15°	1553	1074	756	1074	1553	445
25°	1860	980	608	980	1860	854
35°	1543	852	495	852	1543	932
45°	690	671	390	671	690	550
55°	379	474	292	474	379	344
65°	215	295	173	295	215	214
75°	100	144	91	144	100	106
85°	21	32	24	32	21	25
90°	32	1	32	1	32	20
95°	116	87	116	87	116	118
105°	334	307	334	307	334	353
115°	585	580	585	580	585	579
125°	851	846	851	846	851	760
135°	1104	1100	1104	1100	1104	852
145°	1338	1333	1338	1333	1338	835
155°	1525	1525	1525	1525	1525	702
165°	1654	1658	1654	1658	1654	466
175°	1717	1724	1717	1724	1717	163
180°	1728	1728	1728	1728	1728	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1186.4	1185.7	1187.2	1183.1	1183.5	1177.1	1177.1	1172.3	1166.1	1161.3	1159.0
5°	1292.7	1293.7	1291.8	1284.9	1280.2	1273.3	1265.4	1251.5	1239.9	1228.9	1220.0
7.5°	1402.2	1402.8	1396.8	1394.6	1383.0	1374.4	1356.9	1338.0	1321.2	1299.9	1283.7
10°	1465.9	1465.4	1459.0	1453.8	1443.7	1430.7	1413.6	1391.3	1370.6	1347.4	1325.2
12.5°	1503.0	1501.7	1499.7	1493.5	1484.1	1472.6	1458.0	1436.2	1410.5	1385.2	1359.2
15°	1553.0	1549.7	1543.7	1535.8	1522.4	1509.0	1492.8	1473.4	1448.8	1420.0	1396.0
17.5°	1614.8	1614.9	1605.7	1594.7	1576.5	1552.8	1527.8	1496.4	1463.0	1431.5	1405.8
20°	1666.0	1664.6	1655.3	1634.0	1613.2	1583.5	1554.8	1516.4	1475.6	1434.4	1402.5
22.5°	1739.3	1735.7	1726.1	1698.1	1665.8	1627.6	1583.7	1536.8	1487.5	1440.7	1398.8
25°	1859.5	1856.7	1837.7	1805.4	1760.0	1701.1	1643.7	1579.4	1508.5	1447.0	1396.0
27.5°	1941.7	1938.7	1924.6	1897.6	1855.8	1793.9	1716.2	1630.2	1541.8	1457.1	1383.6
30°	1933.6	1940.5	1938.7	1926.2	1894.7	1839.2	1767.4	1670.6	1565.5	1465.9	1378.4
32.5°	1817.2	1823.5	1839.8	1864.3	1866.2	1844.0	1790.3	1700.9	1592.1	1478.9	1374.3
35°	1542.7	1551.1	1582.6	1632.2	1696.9	1751.1	1762.3	1714.1	1616.4	1494.6	1368.2
37.5°	1186.1	1231.6	1258.1	1310.3	1408.2	1507.9	1603.7	1639.0	1597.4	1488.2	1358.3
40°	1007.5	1018.6	1065.9	1124.7	1207.1	1310.8	1447.4	1546.0	1549.3	1473.4	1342.7
42.5°	862.3	876.4	908.8	955.7	1026.4	1130.1	1271.0	1401.2	1461.5	1432.6	1322.4
45°	689.9	700.5	724.2	760.3	814.5	900.1	1021.5	1171.9	1291.4	1338.1	1267.7
47.5°	566.8	572.5	593.1	620.5	660.7	723.1	817.0	947.6	1090.9	1191.3	1181.4
50°	500.1	506.6	522.3	543.1	576.9	629.7	704.7	813.5	961.3	1084.0	1108.5
52.5°	448.2	453.6	463.4	483.1	511.0	551.5	612.1	710.5	843.5	973.9	1030.6
55°	378.7	382.5	390.3	401.4	423.7	452.8	505.2	573.2	680.6	812.2	895.5
57.5°	321.6	323.3	328.4	338.7	354.0	375.3	413.1	470.8	547.9	666.3	758.2
60°	285.3	287.0	293.6	300.5	312.5	332.0	361.6	401.9	476.0	573.6	666.7
62.5°	256.4	257.4	260.2	267.2	277.7	292.7	316.0	348.9	407.9	493.7	581.6
65°	214.8	215.3	216.2	221.8	228.3	239.4	254.7	277.8	322.3	387.1	464.8
67.5°	175.0	175.7	178.9	180.8	187.6	193.4	202.4	220.2	251.5	295.2	355.6
70°	152.8	152.3	155.6	157.9	160.2	167.1	173.2	187.5	207.0	240.3	290.8
72.5°	132.1	130.8	132.2	133.0	136.2	140.9	146.9	155.7	170.7	193.6	232.3
75°	100.0	100.5	100.5	101.4	103.7	105.6	107.5	112.1	120.4	135.6	156.5
77.5°	70.2	69.5	71.4	71.7	73.0	75.1	76.7	78.6	81.9	88.3	99.0
80°	50.9	50.9	51.4	52.8	52.3	53.2	55.6	57.4	61.6	65.3	69.0
82.5°	39.1	38.7	39.1	39.4	39.3	40.3	41.1	41.5	43.1	44.9	47.5
85°	21.3	21.3	21.8	21.8	22.2	22.2	22.6	22.6	22.6	23.2	23.6
87.5°	14.6	14.1	13.5	13.3	13.6	14.0	13.4	12.7	12.4	12.0	12.0
90°	32.3	31.4	30.5	29.6	28.7	27.5	26.0	24.5	23.0	21.5	19.4
92.5°	63.5	62.8	62.2	61.5	60.8	59.6	57.5	55.6	53.6	51.6	49.0
95°	115.7	115.0	114.5	113.9	113.2	111.9	109.9	107.7	105.7	103.5	100.6
97.5°	175.4	175.0	174.7	174.3	174.0	172.7	170.8	168.8	166.8	164.9	160.8
100°	220.5	220.0	219.4	218.7	218.2	216.5	213.8	211.2	208.5	205.7	201.9
102.5°	265.7	264.9	264.0	263.2	262.4	260.5	257.6	254.7	251.7	248.8	246.8
105°	333.5	332.6	331.7	330.8	329.9	328.6	326.8	325.0	323.2	321.5	319.6
107.5°	402.9	403.0	403.1	403.1	403.1	402.7	401.8	400.9	400.0	399.1	397.8
110°	454.6	454.9	455.1	455.5	455.8	455.5	454.6	453.7	452.7	451.8	450.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	505.2	505.7	506.2	506.8	507.3	507.3	506.9	506.5	506.0	505.7	504.5
115°	585.1	585.3	585.6	585.9	586.2	586.5	586.8	587.1	587.4	587.7	587.1
117.5°	663.0	664.2	665.4	666.6	667.8	668.2	668.1	667.8	667.5	667.4	666.7
120°	716.8	718.0	719.2	720.4	721.6	722.2	722.2	722.2	722.2	722.2	721.8
122.5°	770.6	771.5	772.5	773.5	774.5	775.0	775.3	775.5	775.7	776.0	775.2
125°	851.3	851.6	851.9	852.2	852.5	852.9	853.5	854.2	854.7	855.3	855.1
127.5°	928.7	929.3	930.0	930.5	931.1	931.6	931.9	932.2	932.5	932.8	932.5
130°	980.4	981.0	981.6	982.2	982.8	983.2	983.6	983.8	984.1	984.4	983.8
132.5°	1028.8	1029.7	1030.5	1031.4	1032.2	1032.7	1033.0	1033.3	1033.6	1033.9	1034.0
135°	1104.1	1105.3	1106.5	1107.7	1108.9	1109.5	1109.5	1109.5	1109.5	1109.5	1109.2
137.5°	1177.8	1179.3	1180.8	1182.3	1183.8	1184.4	1184.0	1183.7	1183.3	1182.9	1182.2
140°	1225.1	1226.6	1228.2	1229.7	1231.1	1231.5	1231.0	1230.4	1229.8	1229.2	1228.3
142.5°	1270.3	1271.8	1273.4	1274.8	1276.3	1276.9	1276.5	1276.1	1275.8	1275.4	1274.3
145°	1338.1	1339.0	1339.9	1340.8	1341.7	1342.1	1342.1	1342.1	1342.1	1342.1	1341.2
147.5°	1396.0	1398.0	1400.0	1402.0	1404.1	1404.7	1404.0	1403.3	1402.6	1401.9	1401.1
150°	1439.0	1439.6	1440.2	1440.7	1441.4	1441.7	1441.7	1441.7	1441.7	1441.7	1440.5
152.5°	1474.5	1475.6	1476.7	1477.7	1478.8	1479.0	1478.3	1477.6	1476.9	1476.1	1475.6
155°	1525.1	1526.5	1528.0	1529.6	1531.1	1531.2	1530.0	1528.7	1527.6	1526.4	1526.1
157.5°	1567.3	1569.2	1571.2	1573.2	1575.2	1575.6	1574.4	1573.2	1572.0	1570.7	1570.5
160°	1596.3	1597.9	1599.3	1600.8	1602.3	1602.5	1601.2	1600.1	1598.8	1597.7	1597.4
162.5°	1621.0	1622.8	1624.5	1626.3	1628.0	1628.2	1626.7	1625.3	1623.9	1622.4	1622.4
165°	1654.1	1656.0	1657.8	1659.6	1661.3	1661.6	1660.5	1659.2	1658.0	1656.9	1656.5
167.5°	1680.5	1682.4	1684.3	1686.0	1687.9	1687.9	1686.1	1684.4	1682.6	1680.8	1680.8
170°	1694.5	1696.6	1698.7	1700.8	1702.9	1703.0	1701.2	1699.4	1697.6	1695.9	1695.9
172.5°	1706.4	1708.2	1710.0	1711.9	1713.8	1713.8	1712.0	1710.2	1708.4	1706.6	1706.6
175°	1717.3	1719.5	1721.5	1723.7	1725.7	1725.9	1724.1	1722.3	1720.5	1718.7	1718.7
177.5°	1723.9	1725.5	1727.2	1728.8	1730.5	1730.6	1729.2	1727.8	1726.4	1724.9	1725.1
180°	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1159.0	1156.5	1151.6	1147.2	1141.7	1136.8	1133.5	1129.4	1124.2	1117.9	1112.8
5°	1210.3	1200.2	1186.7	1175.2	1160.3	1148.8	1136.8	1125.2	1113.6	1098.8	1085.7
7.5°	1267.2	1246.2	1225.7	1200.0	1176.6	1155.7	1135.8	1115.5	1095.7	1074.7	1054.4
10°	1302.0	1276.6	1248.3	1215.8	1186.2	1158.0	1132.1	1106.6	1079.8	1056.1	1030.6
12.5°	1334.6	1301.7	1269.4	1228.5	1192.9	1158.4	1125.4	1093.7	1065.0	1034.3	1007.0
15°	1364.1	1331.7	1295.6	1245.5	1196.0	1154.3	1115.4	1074.2	1038.6	1004.3	973.7
17.5°	1375.5	1341.5	1299.5	1251.4	1197.3	1144.9	1094.8	1049.5	1007.6	967.7	933.4
20°	1371.0	1338.1	1295.0	1249.2	1191.3	1136.8	1082.5	1032.5	985.8	943.6	907.0
22.5°	1360.2	1326.2	1284.7	1236.3	1181.3	1123.4	1065.5	1012.2	963.1	919.5	879.7
25°	1344.2	1297.9	1255.3	1208.0	1155.7	1098.3	1038.6	979.7	927.5	883.0	839.5
27.5°	1327.4	1269.6	1215.4	1168.5	1113.2	1061.9	1004.4	944.1	889.1	843.8	799.2
30°	1312.2	1247.4	1187.7	1134.4	1082.1	1033.5	978.8	920.0	863.5	816.8	771.4
32.5°	1293.3	1224.4	1158.8	1097.3	1046.9	998.6	949.2	893.0	837.9	789.7	743.6
35°	1269.6	1181.6	1110.4	1045.0	989.0	942.3	897.8	852.4	797.3	747.3	702.4
37.5°	1238.5	1138.6	1056.1	985.1	926.0	879.0	843.9	802.5	752.2	704.3	662.5
40°	1219.6	1107.5	1017.3	946.9	884.8	835.3	802.5	767.2	721.4	676.5	634.8
42.5°	1194.4	1079.1	978.0	904.6	842.2	794.5	761.3	730.6	692.1	649.8	605.2
45°	1145.0	1023.8	917.7	839.0	776.1	729.2	698.2	670.9	641.8	602.9	563.9
47.5°	1080.8	966.1	855.1	769.2	707.5	664.1	634.0	612.4	591.6	558.5	520.7
50°	1029.3	918.6	810.3	726.9	661.2	620.0	591.7	574.6	555.6	525.5	494.0
52.5°	968.6	869.8	763.6	678.4	616.4	577.7	550.6	533.5	517.8	493.3	463.3
55°	872.8	786.2	688.9	611.6	554.7	515.8	489.9	473.7	464.4	443.5	420.0
57.5°	762.3	700.3	614.5	539.9	489.6	451.2	432.2	418.4	408.0	393.2	376.6
60°	685.3	641.8	564.9	494.0	447.7	411.2	394.0	382.5	372.7	360.3	347.2
62.5°	607.1	575.4	508.5	447.7	405.1	374.5	358.5	348.0	336.8	328.4	315.8
65°	502.4	474.1	427.8	380.1	340.8	316.2	304.7	295.4	288.5	279.2	270.4
67.5°	390.7	379.3	347.3	314.5	286.2	264.4	254.4	247.9	239.6	234.0	228.0
70°	322.3	316.7	294.0	272.2	245.8	231.0	221.8	219.0	208.8	203.3	199.1
72.5°	261.5	259.0	245.8	230.8	212.1	199.2	190.6	187.5	181.0	176.6	173.9
75°	179.1	180.1	177.8	168.1	161.1	152.8	145.3	143.6	138.9	135.2	132.9
77.5°	113.3	118.1	118.2	117.8	115.0	109.9	106.8	105.5	100.9	99.5	99.0
80°	77.8	82.8	87.5	87.0	86.1	84.7	82.4	81.1	78.7	77.3	76.4
82.5°	51.9	56.6	60.5	63.0	62.8	61.4	59.8	59.2	58.7	57.7	57.5
85°	24.5	25.5	26.8	30.1	32.4	32.9	32.4	31.9	30.6	31.0	31.5
87.5°	11.9	11.6	11.5	11.1	10.3	11.6	12.2	12.1	11.9	11.6	11.3
90°	17.3	15.2	13.1	10.9	8.6	6.2	3.7	1.3	3.7	6.2	8.6
92.5°	46.5	44.0	41.4	39.2	37.5	35.9	34.2	32.5	34.2	35.9	37.5
95°	97.6	94.6	91.6	89.8	89.2	88.6	88.0	87.4	88.0	88.6	89.2
97.5°	156.7	152.5	148.4	146.2	146.0	145.7	145.4	145.3	145.4	145.7	146.0
100°	198.0	194.1	190.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2
102.5°	244.9	242.9	240.9	239.3	238.1	236.9	235.8	234.5	235.8	236.9	238.1
105°	317.8	316.0	314.2	312.6	311.1	309.6	308.1	306.7	308.1	309.6	311.1
107.5°	396.4	395.0	393.7	392.2	390.7	389.2	387.7	386.2	387.7	389.2	390.7
110°	450.0	449.2	448.3	447.1	445.6	444.1	442.6	441.1	442.6	444.1	445.6



TEST NUMBER: P333697-940

CATALOG NUMBER: S125RDIW-S850D1560U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	503.4	502.2	501.1	500.2	499.4	498.6	497.8	497.0	497.8	498.6	499.4
115°	586.5	585.9	585.3	584.4	583.2	582.0	580.9	579.6	580.9	582.0	583.2
117.5°	666.2	665.7	665.1	664.6	664.1	663.5	663.0	662.5	663.0	663.5	664.1
120°	721.6	721.3	720.9	720.1	718.6	717.1	715.6	714.1	715.6	717.1	718.6
122.5°	774.5	773.6	772.8	772.2	771.7	771.2	770.6	770.1	770.6	771.2	771.7
125°	854.7	854.4	854.2	853.1	851.3	849.5	847.7	845.9	847.7	849.5	851.3
127.5°	932.1	931.7	931.4	930.7	929.6	928.6	927.6	926.6	927.6	928.6	929.6
130°	983.2	982.7	982.0	981.0	979.5	978.0	976.5	975.0	976.5	978.0	979.5
132.5°	1034.1	1034.3	1034.4	1033.2	1030.8	1028.3	1025.9	1023.4	1025.9	1028.3	1030.8
135°	1108.9	1108.6	1108.3	1107.2	1105.5	1103.7	1101.9	1100.1	1101.9	1103.7	1105.5
137.5°	1181.6	1181.0	1180.3	1179.1	1177.3	1175.6	1173.9	1172.2	1173.9	1175.6	1177.3
140°	1227.4	1226.5	1225.6	1224.4	1222.9	1221.4	1219.9	1218.4	1219.9	1221.4	1222.9
142.5°	1273.2	1272.0	1270.9	1269.7	1268.5	1267.2	1266.0	1264.7	1266.0	1267.2	1268.5
145°	1340.3	1339.4	1338.5	1337.6	1336.3	1335.2	1333.9	1332.8	1333.9	1335.2	1336.3
147.5°	1400.4	1399.7	1399.0	1398.3	1397.7	1397.0	1396.3	1395.7	1396.3	1397.0	1397.7
150°	1439.3	1438.1	1436.9	1436.5	1436.7	1437.1	1437.3	1437.6	1437.3	1437.1	1436.7
152.5°	1475.2	1474.7	1474.2	1473.7	1473.3	1472.9	1472.5	1472.0	1472.5	1472.9	1473.3
155°	1525.8	1525.5	1525.2	1525.1	1525.1	1525.1	1525.1	1525.1	1525.1	1525.1	1525.1
157.5°	1570.2	1569.9	1569.6	1569.8	1570.4	1571.1	1571.7	1572.4	1571.7	1571.1	1570.4
160°	1597.1	1596.8	1596.5	1596.8	1597.7	1598.6	1599.5	1600.4	1599.5	1598.6	1597.7
162.5°	1622.3	1622.2	1622.2	1622.5	1623.2	1623.8	1624.4	1625.1	1624.4	1623.8	1623.2
165°	1656.3	1656.0	1655.6	1655.8	1656.4	1657.0	1657.6	1658.2	1657.6	1657.0	1656.4
167.5°	1680.8	1680.8	1680.8	1681.4	1682.6	1683.8	1685.0	1686.1	1685.0	1683.8	1682.6
170°	1695.9	1695.9	1695.9	1696.5	1697.6	1698.8	1700.0	1701.2	1700.0	1698.8	1697.6
172.5°	1706.6	1706.6	1706.6	1707.2	1708.4	1709.6	1710.8	1712.0	1710.8	1709.6	1708.4
175°	1718.7	1718.7	1718.7	1719.3	1720.5	1721.7	1722.9	1724.1	1722.9	1721.7	1720.5
177.5°	1725.4	1725.6	1725.8	1726.4	1727.4	1728.4	1729.3	1730.3	1729.3	1728.4	1727.4
180°	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1109.0	1103.8	1100.1	1092.7	1087.5	1085.3	1081.3	1080.1	1084.2	1081.3	1080.8
5°	1076.0	1062.7	1052.0	1041.3	1029.7	1022.3	1011.2	1009.4	1006.6	1002.5	1001.5
7.5°	1036.5	1019.0	1005.3	987.7	972.4	960.1	946.2	939.7	936.0	930.7	923.5
10°	1009.9	989.0	970.4	952.9	933.9	918.6	904.7	894.1	887.2	880.7	877.9
12.5°	983.6	962.3	938.6	917.3	896.2	879.0	863.6	856.7	849.0	841.4	834.9
15°	942.7	914.4	888.5	864.0	846.0	827.4	812.6	802.5	790.9	787.6	775.1
17.5°	899.4	871.6	841.3	815.5	794.5	774.2	757.9	746.3	737.6	725.7	719.9
20°	872.4	839.5	809.9	786.2	763.0	739.0	722.3	712.6	704.3	694.6	689.9
22.5°	843.5	811.3	781.0	753.2	729.7	706.1	694.2	684.0	674.6	665.7	659.5
25°	801.0	768.7	736.6	707.9	683.4	666.3	652.4	640.8	635.7	627.0	620.5
27.5°	759.1	724.6	691.4	662.9	643.6	626.7	615.3	606.1	596.9	589.2	583.6
30°	732.0	696.9	660.8	638.0	617.7	601.5	589.0	580.1	573.2	566.2	562.1
32.5°	705.0	668.7	636.7	612.1	592.8	578.9	566.0	557.6	550.3	542.6	537.7
35°	661.6	624.6	598.7	574.6	555.6	542.7	533.9	521.8	515.8	510.2	505.2
37.5°	621.3	586.9	558.8	537.8	521.3	508.4	497.0	490.5	483.1	478.1	473.9
40°	591.7	560.3	534.8	512.6	500.5	486.2	475.5	467.2	461.6	455.1	450.5
42.5°	565.1	535.8	511.0	491.1	476.1	464.0	453.7	445.3	438.3	433.6	429.8
45°	527.4	498.2	474.1	455.6	441.8	430.2	419.5	415.4	406.1	400.6	398.7
47.5°	488.4	462.3	439.1	422.0	407.8	396.8	386.8	378.3	373.2	367.7	364.8
50°	462.1	437.1	415.4	398.7	384.8	372.7	363.5	357.9	351.0	345.9	342.1
52.5°	435.8	412.7	390.9	375.0	362.9	350.9	340.5	334.9	328.4	325.1	322.5
55°	398.2	373.6	355.2	339.4	326.9	315.8	306.0	300.5	296.3	293.1	292.1
57.5°	355.6	336.2	319.0	304.8	291.8	281.3	272.8	267.5	263.9	263.3	260.6
60°	327.8	310.2	294.4	279.2	268.0	258.3	250.9	245.0	241.2	240.8	239.9
62.5°	300.1	283.2	268.6	255.1	245.1	235.8	228.7	221.9	219.7	217.4	215.4
65°	258.9	243.5	231.5	220.9	210.2	202.3	195.4	191.2	186.1	183.3	178.3
67.5°	218.4	206.5	194.9	185.9	177.6	170.1	164.3	158.2	154.7	152.5	148.8
70°	191.7	182.4	170.9	161.1	154.6	148.6	144.0	137.1	134.7	132.9	131.0
72.5°	166.5	158.4	148.6	140.8	134.3	128.6	123.2	120.0	117.7	115.8	114.8
75°	131.0	123.1	114.9	109.2	104.7	100.0	97.2	94.9	94.0	93.5	91.7
77.5°	96.2	92.0	85.3	81.0	77.8	76.1	73.6	72.3	72.2	70.2	69.6
80°	73.7	71.3	65.7	63.9	61.6	59.7	58.3	56.0	53.7	52.8	51.4
82.5°	54.8	52.4	50.2	47.3	45.3	44.1	42.8	41.9	42.3	40.9	40.3
85°	29.2	26.8	25.9	25.5	24.5	25.5	25.0	24.5	24.1	23.6	24.1
87.5°	11.4	11.9	11.9	13.1	12.4	13.2	13.5	13.5	13.7	14.0	13.9
90°	10.9	13.1	15.2	17.3	19.4	21.5	23.0	24.5	26.0	27.5	28.7
92.5°	39.2	41.4	44.0	46.5	49.0	51.6	53.6	55.6	57.5	59.6	60.8
95°	89.8	91.6	94.6	97.6	100.6	103.5	105.7	107.7	109.9	111.9	113.2
97.5°	146.2	148.4	152.5	156.7	160.8	164.9	166.8	168.8	170.8	172.7	174.0
100°	188.2	190.2	194.1	198.0	201.9	205.7	208.5	211.2	213.8	216.5	218.2
102.5°	239.3	240.9	242.9	244.9	246.8	248.8	251.7	254.7	257.6	260.5	262.4
105°	312.6	314.2	316.0	317.8	319.6	321.5	323.2	325.0	326.8	328.6	329.9
107.5°	392.2	393.7	395.0	396.4	397.8	399.1	400.0	400.9	401.8	402.7	403.1
110°	447.1	448.3	449.2	450.0	450.9	451.8	452.7	453.7	454.6	455.5	455.8



TEST NUMBER: P333697-940

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	500.2	501.1	502.2	503.4	504.5	505.7	506.0	506.5	506.9	507.3	507.3
115°	584.4	585.3	585.9	586.5	587.1	587.7	587.4	587.1	586.8	586.5	586.2
117.5°	664.6	665.1	665.7	666.2	666.7	667.4	667.5	667.8	668.1	668.2	667.8
120°	720.1	720.9	721.3	721.6	721.8	722.2	722.2	722.2	722.2	722.2	721.6
122.5°	772.2	772.8	773.6	774.5	775.2	776.0	775.7	775.5	775.3	775.0	774.5
125°	853.1	854.2	854.4	854.7	855.1	855.3	854.7	854.2	853.5	852.9	852.5
127.5°	930.7	931.4	931.7	932.1	932.5	932.8	932.5	932.2	931.9	931.6	931.1
130°	981.0	982.0	982.7	983.2	983.8	984.4	984.1	983.8	983.6	983.2	982.8
132.5°	1033.2	1034.4	1034.3	1034.1	1034.0	1033.9	1033.6	1033.3	1033.0	1032.7	1032.2
135°	1107.2	1108.3	1108.6	1108.9	1109.2	1109.5	1109.5	1109.5	1109.5	1109.5	1108.9
137.5°	1179.1	1180.3	1181.0	1181.6	1182.2	1182.9	1183.3	1183.7	1184.0	1184.4	1183.8
140°	1224.4	1225.6	1226.5	1227.4	1228.3	1229.2	1229.8	1230.4	1231.0	1231.5	1231.1
142.5°	1269.7	1270.9	1272.0	1273.2	1274.3	1275.4	1275.8	1276.1	1276.5	1276.9	1276.3
145°	1337.6	1338.5	1339.4	1340.3	1341.2	1342.1	1342.1	1342.1	1342.1	1342.1	1341.7
147.5°	1398.3	1399.0	1399.7	1400.4	1401.1	1401.9	1402.6	1403.3	1404.0	1404.7	1404.1
150°	1436.5	1436.9	1438.1	1439.3	1440.5	1441.7	1441.7	1441.7	1441.7	1441.7	1441.4
152.5°	1473.7	1474.2	1474.7	1475.2	1475.6	1476.1	1476.9	1477.6	1478.3	1479.0	1478.8
155°	1525.1	1525.2	1525.5	1525.8	1526.1	1526.4	1527.6	1528.7	1530.0	1531.2	1531.1
157.5°	1569.8	1569.6	1569.9	1570.2	1570.5	1570.7	1572.0	1573.2	1574.4	1575.6	1575.2
160°	1596.8	1596.5	1596.8	1597.1	1597.4	1597.7	1598.8	1600.1	1601.2	1602.5	1602.3
162.5°	1622.5	1622.2	1622.2	1622.3	1622.4	1622.4	1623.9	1625.3	1626.7	1628.2	1628.0
165°	1655.8	1655.6	1656.0	1656.3	1656.5	1656.9	1658.0	1659.2	1660.5	1661.6	1661.3
167.5°	1681.4	1680.8	1680.8	1680.8	1680.8	1680.8	1682.6	1684.4	1686.1	1687.9	1687.9
170°	1696.5	1695.9	1695.9	1695.9	1695.9	1695.9	1697.6	1699.4	1701.2	1703.0	1702.9
172.5°	1707.2	1706.6	1706.6	1706.6	1706.6	1706.6	1708.4	1710.2	1712.0	1713.8	1713.8
175°	1719.3	1718.7	1718.7	1718.7	1718.7	1718.7	1720.5	1722.3	1724.1	1725.9	1725.7
177.5°	1726.4	1725.8	1725.6	1725.4	1725.1	1724.9	1726.4	1727.8	1729.2	1730.6	1730.5
180°	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1



TEST NUMBER: P333697-940

CATALOG NUMBER: S125RDIW-S850D1560U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1080.5	1076.5	1075.3	1076.8	1075.3	1076.5	1080.5	1080.8	1081.3	1084.2	1080.1
5°	996.8	992.3	994.5	993.6	994.5	992.3	996.8	1001.5	1002.5	1006.6	1009.4
7.5°	923.4	917.6	911.5	913.5	911.5	917.6	923.4	923.5	930.7	936.0	939.7
10°	871.8	867.3	864.4	866.7	864.4	867.3	871.8	877.9	880.7	887.2	894.1
12.5°	828.5	825.7	823.3	822.3	823.3	825.7	828.5	834.9	841.4	849.0	856.7
15°	769.5	764.0	761.7	755.6	761.7	764.0	769.5	775.1	787.6	790.9	802.5
17.5°	715.2	713.4	707.3	704.7	707.3	713.4	715.2	719.9	725.7	737.6	746.3
20°	683.0	681.1	675.1	678.8	675.1	681.1	683.0	689.9	694.6	704.3	712.6
22.5°	656.3	652.2	650.2	649.2	650.2	652.2	656.3	659.5	665.7	674.6	684.0
25°	618.6	612.6	610.3	607.5	610.3	612.6	618.6	620.5	627.0	635.7	640.8
27.5°	581.0	577.7	574.7	574.0	574.7	577.7	581.0	583.6	589.2	596.9	606.1
30°	556.5	553.3	551.0	551.0	551.0	553.3	556.5	562.1	566.2	573.2	580.1
32.5°	534.7	532.2	529.9	529.5	529.9	532.2	534.7	537.7	542.6	550.3	557.6
35°	502.8	499.2	498.2	495.4	498.2	499.2	502.8	505.2	510.2	515.8	521.8
37.5°	469.8	466.7	466.6	466.4	466.6	466.7	469.8	473.9	478.1	483.1	490.5
40°	448.7	446.4	445.9	442.6	445.9	446.4	448.7	450.5	455.1	461.6	467.2
42.5°	426.1	424.9	423.3	421.9	423.3	424.9	426.1	429.8	433.6	438.3	445.3
45°	395.4	392.2	392.2	389.9	392.2	392.2	395.4	398.7	400.6	406.1	415.4
47.5°	363.7	361.2	361.5	359.1	361.5	361.2	363.7	364.8	367.7	373.2	378.3
50°	342.6	341.3	340.8	339.8	340.8	341.3	342.6	342.1	345.9	351.0	357.9
52.5°	321.6	320.8	322.6	320.6	322.6	320.8	321.6	322.5	325.1	328.4	334.9
55°	293.1	291.7	294.4	291.7	294.4	291.7	293.1	292.1	293.1	296.3	300.5
57.5°	260.4	259.1	261.6	260.2	261.6	259.1	260.4	260.6	263.3	263.9	267.5
60°	238.9	236.1	237.6	238.0	237.6	236.1	238.9	239.9	240.8	241.2	245.0
62.5°	213.4	211.7	212.7	210.6	212.7	211.7	213.4	215.4	217.4	219.7	221.9
65°	177.4	175.9	174.1	173.2	174.1	175.9	177.4	178.3	183.3	186.1	191.2
67.5°	149.0	145.7	145.6	146.3	145.6	145.7	149.0	148.8	152.5	154.7	158.2
70°	128.2	128.2	127.8	127.8	127.8	128.2	128.2	131.0	132.9	134.7	137.1
72.5°	113.8	113.4	112.6	112.3	112.6	113.4	113.8	114.8	115.8	117.7	120.0
75°	91.7	92.1	91.2	90.8	91.2	92.1	91.7	91.7	93.5	94.0	94.9
77.5°	67.7	65.7	66.8	65.7	66.8	65.7	67.7	69.6	70.2	72.2	72.3
80°	51.4	50.9	52.3	50.9	52.3	50.9	51.4	51.4	52.8	53.7	56.0
82.5°	40.7	40.2	40.8	39.9	40.8	40.2	40.7	40.3	40.9	42.3	41.9
85°	24.5	24.1	23.6	24.1	23.6	24.1	24.5	24.1	23.6	24.1	24.5
87.5°	14.4	14.3	14.4	14.6	14.4	14.3	14.4	13.9	14.0	13.7	13.5
90°	29.6	30.5	31.4	32.3	31.4	30.5	29.6	28.7	27.5	26.0	24.5
92.5°	61.5	62.2	62.8	63.5	62.8	62.2	61.5	60.8	59.6	57.5	55.6
95°	113.9	114.5	115.0	115.7	115.0	114.5	113.9	113.2	111.9	109.9	107.7
97.5°	174.3	174.7	175.0	175.4	175.0	174.7	174.3	174.0	172.7	170.8	168.8
100°	218.7	219.4	220.0	220.5	220.0	219.4	218.7	218.2	216.5	213.8	211.2
102.5°	263.2	264.0	264.9	265.7	264.9	264.0	263.2	262.4	260.5	257.6	254.7
105°	330.8	331.7	332.6	333.5	332.6	331.7	330.8	329.9	328.6	326.8	325.0
107.5°	403.1	403.1	403.0	402.9	403.0	403.1	403.1	403.1	402.7	401.8	400.9
110°	455.5	455.1	454.9	454.6	454.9	455.1	455.5	455.8	455.5	454.6	453.7



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	506.8	506.2	505.7	505.2	505.7	506.2	506.8	507.3	507.3	506.9	506.5
115°	585.9	585.6	585.3	585.1	585.3	585.6	585.9	586.2	586.5	586.8	587.1
117.5°	666.6	665.4	664.2	663.0	664.2	665.4	666.6	667.8	668.2	668.1	667.8
120°	720.4	719.2	718.0	716.8	718.0	719.2	720.4	721.6	722.2	722.2	722.2
122.5°	773.5	772.5	771.5	770.6	771.5	772.5	773.5	774.5	775.0	775.3	775.5
125°	852.2	851.9	851.6	851.3	851.6	851.9	852.2	852.5	852.9	853.5	854.2
127.5°	930.5	930.0	929.3	928.7	929.3	930.0	930.5	931.1	931.6	931.9	932.2
130°	982.2	981.6	981.0	980.4	981.0	981.6	982.2	982.8	983.2	983.6	983.8
132.5°	1031.4	1030.5	1029.7	1028.8	1029.7	1030.5	1031.4	1032.2	1032.7	1033.0	1033.3
135°	1107.7	1106.5	1105.3	1104.1	1105.3	1106.5	1107.7	1108.9	1109.5	1109.5	1109.5
137.5°	1182.3	1180.8	1179.3	1177.8	1179.3	1180.8	1182.3	1183.8	1184.4	1184.0	1183.7
140°	1229.7	1228.2	1226.6	1225.1	1226.6	1228.2	1229.7	1231.1	1231.5	1231.0	1230.4
142.5°	1274.8	1273.4	1271.8	1270.3	1271.8	1273.4	1274.8	1276.3	1276.9	1276.5	1276.1
145°	1340.8	1339.9	1339.0	1338.1	1339.0	1339.9	1340.8	1341.7	1342.1	1342.1	1342.1
147.5°	1402.0	1400.0	1398.0	1396.0	1398.0	1400.0	1402.0	1404.1	1404.7	1404.0	1403.3
150°	1440.7	1440.2	1439.6	1439.0	1439.6	1440.2	1440.7	1441.4	1441.7	1441.7	1441.7
152.5°	1477.7	1476.7	1475.6	1474.5	1475.6	1476.7	1477.7	1478.8	1479.0	1478.3	1477.6
155°	1529.6	1528.0	1526.5	1525.1	1526.5	1528.0	1529.6	1531.1	1531.2	1530.0	1528.7
157.5°	1573.2	1571.2	1569.2	1567.3	1569.2	1571.2	1573.2	1575.2	1575.6	1574.4	1573.2
160°	1600.8	1599.3	1597.9	1596.3	1597.9	1599.3	1600.8	1602.3	1602.5	1601.2	1600.1
162.5°	1626.3	1624.5	1622.8	1621.0	1622.8	1624.5	1626.3	1628.0	1628.2	1626.7	1625.3
165°	1659.6	1657.8	1656.0	1654.1	1656.0	1657.8	1659.6	1661.3	1661.6	1660.5	1659.2
167.5°	1686.0	1684.3	1682.4	1680.5	1682.4	1684.3	1686.0	1687.9	1687.9	1686.1	1684.4
170°	1700.8	1698.7	1696.6	1694.5	1696.6	1698.7	1700.8	1702.9	1703.0	1701.2	1699.4
172.5°	1711.9	1710.0	1708.2	1706.4	1708.2	1710.0	1711.9	1713.8	1713.8	1712.0	1710.2
175°	1723.7	1721.5	1719.5	1717.3	1719.5	1721.5	1723.7	1725.7	1725.9	1724.1	1722.3
177.5°	1728.8	1727.2	1725.5	1723.9	1725.5	1727.2	1728.8	1730.5	1730.6	1729.2	1727.8
180°	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1081.3	1085.3	1087.5	1092.7	1100.1	1103.8	1109.0	1112.8	1117.9	1124.2	1129.4
5°	1011.2	1022.3	1029.7	1041.3	1052.0	1062.7	1076.0	1085.7	1098.8	1113.6	1125.2
7.5°	946.2	960.1	972.4	987.7	1005.3	1019.0	1036.5	1054.4	1074.7	1095.7	1115.5
10°	904.7	918.6	933.9	952.9	970.4	989.0	1009.9	1030.6	1056.1	1079.8	1106.6
12.5°	863.6	879.0	896.2	917.3	938.6	962.3	983.6	1007.0	1034.3	1065.0	1093.7
15°	812.6	827.4	846.0	864.0	888.5	914.4	942.7	973.7	1004.3	1038.6	1074.2
17.5°	757.9	774.2	794.5	815.5	841.3	871.6	899.4	933.4	967.7	1007.6	1049.5
20°	722.3	739.0	763.0	786.2	809.9	839.5	872.4	907.0	943.6	985.8	1032.5
22.5°	694.2	706.1	729.7	753.2	781.0	811.3	843.5	879.7	919.5	963.1	1012.2
25°	652.4	666.3	683.4	707.9	736.6	768.7	801.0	839.5	883.0	927.5	979.7
27.5°	615.3	626.7	643.6	662.9	691.4	724.6	759.1	799.2	843.8	889.1	944.1
30°	589.0	601.5	617.7	638.0	660.8	696.9	732.0	771.4	816.8	863.5	920.0
32.5°	566.0	578.9	592.8	612.1	636.7	668.7	705.0	743.6	789.7	837.9	893.0
35°	533.9	542.7	555.6	574.6	598.7	624.6	661.6	702.4	747.3	797.3	852.4
37.5°	497.0	508.4	521.3	537.8	558.8	586.9	621.3	662.5	704.3	752.2	802.5
40°	475.5	486.2	500.5	512.6	534.8	560.3	591.7	634.8	676.5	721.4	767.2
42.5°	453.7	464.0	476.1	491.1	511.0	535.8	565.1	605.2	649.8	692.1	730.6
45°	419.5	430.2	441.8	455.6	474.1	498.2	527.4	563.9	602.9	641.8	670.9
47.5°	386.8	396.8	407.8	422.0	439.1	462.3	488.4	520.7	558.5	591.6	612.4
50°	363.5	372.7	384.8	398.7	415.4	437.1	462.1	494.0	525.5	555.6	574.6
52.5°	340.5	350.9	362.9	375.0	390.9	412.7	435.8	463.3	493.3	517.8	533.5
55°	306.0	315.8	326.9	339.4	355.2	373.6	398.2	420.0	443.5	464.4	473.7
57.5°	272.8	281.3	291.8	304.8	319.0	336.2	355.6	376.6	393.2	408.0	418.4
60°	250.9	258.3	268.0	279.2	294.4	310.2	327.8	347.2	360.3	372.7	382.5
62.5°	228.7	235.8	245.1	255.1	268.6	283.2	300.1	315.8	328.4	336.8	348.0
65°	195.4	202.3	210.2	220.9	231.5	243.5	258.9	270.4	279.2	288.5	295.4
67.5°	164.3	170.1	177.6	185.9	194.9	206.5	218.4	228.0	234.0	239.6	247.9
70°	144.0	148.6	154.6	161.1	170.9	182.4	191.7	199.1	203.3	208.8	219.0
72.5°	123.2	128.6	134.3	140.8	148.6	158.4	166.5	173.9	176.6	181.0	187.5
75°	97.2	100.0	104.7	109.2	114.9	123.1	131.0	132.9	135.2	138.9	143.6
77.5°	73.6	76.1	77.8	81.0	85.3	92.0	96.2	99.0	99.5	100.9	105.5
80°	58.3	59.7	61.6	63.9	65.7	71.3	73.7	76.4	77.3	78.7	81.1
82.5°	42.8	44.1	45.3	47.3	50.2	52.4	54.8	57.5	57.7	58.7	59.2
85°	25.0	25.5	24.5	25.5	25.9	26.8	29.2	31.5	31.0	30.6	31.9
87.5°	13.5	13.2	12.4	13.1	11.9	11.9	11.4	11.3	11.6	11.9	12.1
90°	23.0	21.5	19.4	17.3	15.2	13.1	10.9	8.6	6.2	3.7	1.3
92.5°	53.6	51.6	49.0	46.5	44.0	41.4	39.2	37.5	35.9	34.2	32.5
95°	105.7	103.5	100.6	97.6	94.6	91.6	89.8	89.2	88.6	88.0	87.4
97.5°	166.8	164.9	160.8	156.7	152.5	148.4	146.2	146.0	145.7	145.4	145.3
100°	208.5	205.7	201.9	198.0	194.1	190.2	188.2	188.2	188.2	188.2	188.2
102.5°	251.7	248.8	246.8	244.9	242.9	240.9	239.3	238.1	236.9	235.8	234.5
105°	323.2	321.5	319.6	317.8	316.0	314.2	312.6	311.1	309.6	308.1	306.7
107.5°	400.0	399.1	397.8	396.4	395.0	393.7	392.2	390.7	389.2	387.7	386.2
110°	452.7	451.8	450.9	450.0	449.2	448.3	447.1	445.6	444.1	442.6	441.1



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	506.0	505.7	504.5	503.4	502.2	501.1	500.2	499.4	498.6	497.8	497.0
115°	587.4	587.7	587.1	586.5	585.9	585.3	584.4	583.2	582.0	580.9	579.6
117.5°	667.5	667.4	666.7	666.2	665.7	665.1	664.6	664.1	663.5	663.0	662.5
120°	722.2	722.2	721.8	721.6	721.3	720.9	720.1	718.6	717.1	715.6	714.1
122.5°	775.7	776.0	775.2	774.5	773.6	772.8	772.2	771.7	771.2	770.6	770.1
125°	854.7	855.3	855.1	854.7	854.4	854.2	853.1	851.3	849.5	847.7	845.9
127.5°	932.5	932.8	932.5	932.1	931.7	931.4	930.7	929.6	928.6	927.6	926.6
130°	984.1	984.4	983.8	983.2	982.7	982.0	981.0	979.5	978.0	976.5	975.0
132.5°	1033.6	1033.9	1034.0	1034.1	1034.3	1034.4	1033.2	1030.8	1028.3	1025.9	1023.4
135°	1109.5	1109.5	1109.2	1108.9	1108.6	1108.3	1107.2	1105.5	1103.7	1101.9	1100.1
137.5°	1183.3	1182.9	1182.2	1181.6	1181.0	1180.3	1179.1	1177.3	1175.6	1173.9	1172.2
140°	1229.8	1229.2	1228.3	1227.4	1226.5	1225.6	1224.4	1222.9	1221.4	1219.9	1218.4
142.5°	1275.8	1275.4	1274.3	1273.2	1272.0	1270.9	1269.7	1268.5	1267.2	1266.0	1264.7
145°	1342.1	1342.1	1341.2	1340.3	1339.4	1338.5	1337.6	1336.3	1335.2	1333.9	1332.8
147.5°	1402.6	1401.9	1401.1	1400.4	1399.7	1399.0	1398.3	1397.7	1397.0	1396.3	1395.7
150°	1441.7	1441.7	1440.5	1439.3	1438.1	1436.9	1436.5	1436.7	1437.1	1437.3	1437.6
152.5°	1476.9	1476.1	1475.6	1475.2	1474.7	1474.2	1473.7	1473.3	1472.9	1472.5	1472.0
155°	1527.6	1526.4	1526.1	1525.8	1525.5	1525.2	1525.1	1525.1	1525.1	1525.1	1525.1
157.5°	1572.0	1570.7	1570.5	1570.2	1569.9	1569.6	1569.8	1570.4	1571.1	1571.7	1572.4
160°	1598.8	1597.7	1597.4	1597.1	1596.8	1596.5	1596.8	1597.7	1598.6	1599.5	1600.4
162.5°	1623.9	1622.4	1622.4	1622.3	1622.2	1622.2	1622.5	1623.2	1623.8	1624.4	1625.1
165°	1658.0	1656.9	1656.5	1656.3	1656.0	1655.6	1655.8	1656.4	1657.0	1657.6	1658.2
167.5°	1682.6	1680.8	1680.8	1680.8	1680.8	1680.8	1681.4	1682.6	1683.8	1685.0	1686.1
170°	1697.6	1695.9	1695.9	1695.9	1695.9	1695.9	1696.5	1697.6	1698.8	1700.0	1701.2
172.5°	1708.4	1706.6	1706.6	1706.6	1706.6	1706.6	1707.2	1708.4	1709.6	1710.8	1712.0
175°	1720.5	1718.7	1718.7	1718.7	1718.7	1718.7	1719.3	1720.5	1721.7	1722.9	1724.1
177.5°	1726.4	1724.9	1725.1	1725.4	1725.6	1725.8	1726.4	1727.4	1728.4	1729.3	1730.3
180°	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1



TEST NUMBER: P333697-940

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1133.5	1136.8	1141.7	1147.2	1151.6	1156.5	1159.0	1159.0	1161.3	1166.1	1172.3
5°	1136.8	1148.8	1160.3	1175.2	1186.7	1200.2	1210.3	1220.0	1228.9	1239.9	1251.5
7.5°	1135.8	1155.7	1176.6	1200.0	1225.7	1246.2	1267.2	1283.7	1299.9	1321.2	1338.0
10°	1132.1	1158.0	1186.2	1215.8	1248.3	1276.6	1302.0	1325.2	1347.4	1370.6	1391.3
12.5°	1125.4	1158.4	1192.9	1228.5	1269.4	1301.7	1334.6	1359.2	1385.2	1410.5	1436.2
15°	1115.4	1154.3	1196.0	1245.5	1295.6	1331.7	1364.1	1396.0	1420.0	1448.8	1473.4
17.5°	1094.8	1144.9	1197.3	1251.4	1299.5	1341.5	1375.5	1405.8	1431.5	1463.0	1496.4
20°	1082.5	1136.8	1191.3	1249.2	1295.0	1338.1	1371.0	1402.5	1434.4	1475.6	1516.4
22.5°	1065.5	1123.4	1181.3	1236.3	1284.7	1326.2	1360.2	1398.8	1440.7	1487.5	1536.8
25°	1038.6	1098.3	1155.7	1208.0	1255.3	1297.9	1344.2	1396.0	1447.0	1508.5	1579.4
27.5°	1004.4	1061.9	1113.2	1168.5	1215.4	1269.6	1327.4	1383.6	1457.1	1541.8	1630.2
30°	978.8	1033.5	1082.1	1134.4	1187.7	1247.4	1312.2	1378.4	1465.9	1565.5	1670.6
32.5°	949.2	998.6	1046.9	1097.3	1158.8	1224.4	1293.3	1374.3	1478.9	1592.1	1700.9
35°	897.8	942.3	989.0	1045.0	1110.4	1181.6	1269.6	1368.2	1494.6	1616.4	1714.1
37.5°	843.9	879.0	926.0	985.1	1056.1	1138.6	1238.5	1358.3	1488.2	1597.4	1639.0
40°	802.5	835.3	884.8	946.9	1017.3	1107.5	1219.6	1342.7	1473.4	1549.3	1546.0
42.5°	761.3	794.5	842.2	904.6	978.0	1079.1	1194.4	1322.4	1432.6	1461.5	1401.2
45°	698.2	729.2	776.1	839.0	917.7	1023.8	1145.0	1267.7	1338.1	1291.4	1171.9
47.5°	634.0	664.1	707.5	769.2	855.1	966.1	1080.8	1181.4	1191.3	1090.9	947.6
50°	591.7	620.0	661.2	726.9	810.3	918.6	1029.3	1108.5	1084.0	961.3	813.5
52.5°	550.6	577.7	616.4	678.4	763.6	869.8	968.6	1030.6	973.9	843.5	710.5
55°	489.9	515.8	554.7	611.6	688.9	786.2	872.8	895.5	812.2	680.6	573.2
57.5°	432.2	451.2	489.6	539.9	614.5	700.3	762.3	758.2	666.3	547.9	470.8
60°	394.0	411.2	447.7	494.0	564.9	641.8	685.3	666.7	573.6	476.0	401.9
62.5°	358.5	374.5	405.1	447.7	508.5	575.4	607.1	581.6	493.7	407.9	348.9
65°	304.7	316.2	340.8	380.1	427.8	474.1	502.4	464.8	387.1	322.3	277.8
67.5°	254.4	264.4	286.2	314.5	347.3	379.3	390.7	355.6	295.2	251.5	220.2
70°	221.8	231.0	245.8	272.2	294.0	316.7	322.3	290.8	240.3	207.0	187.5
72.5°	190.6	199.2	212.1	230.8	245.8	259.0	261.5	232.3	193.6	170.7	155.7
75°	145.3	152.8	161.1	168.1	177.8	180.1	179.1	156.5	135.6	120.4	112.1
77.5°	106.8	109.9	115.0	117.8	118.2	118.1	113.3	99.0	88.3	81.9	78.6
80°	82.4	84.7	86.1	87.0	87.5	82.8	77.8	69.0	65.3	61.6	57.4
82.5°	59.8	61.4	62.8	63.0	60.5	56.6	51.9	47.5	44.9	43.1	41.5
85°	32.4	32.9	32.4	30.1	26.8	25.5	24.5	23.6	23.2	22.6	22.6
87.5°	12.2	11.6	10.3	11.1	11.5	11.6	11.9	12.0	12.0	12.4	12.7
90°	3.7	6.2	8.6	10.9	13.1	15.2	17.3	19.4	21.5	23.0	24.5
92.5°	34.2	35.9	37.5	39.2	41.4	44.0	46.5	49.0	51.6	53.6	55.6
95°	88.0	88.6	89.2	89.8	91.6	94.6	97.6	100.6	103.5	105.7	107.7
97.5°	145.4	145.7	146.0	146.2	148.4	152.5	156.7	160.8	164.9	166.8	168.8
100°	188.2	188.2	188.2	188.2	190.2	194.1	198.0	201.9	205.7	208.5	211.2
102.5°	235.8	236.9	238.1	239.3	240.9	242.9	244.9	246.8	248.8	251.7	254.7
105°	308.1	309.6	311.1	312.6	314.2	316.0	317.8	319.6	321.5	323.2	325.0
107.5°	387.7	389.2	390.7	392.2	393.7	395.0	396.4	397.8	399.1	400.0	400.9
110°	442.6	444.1	445.6	447.1	448.3	449.2	450.0	450.9	451.8	452.7	453.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	497.8	498.6	499.4	500.2	501.1	502.2	503.4	504.5	505.7	506.0	506.5
115°	580.9	582.0	583.2	584.4	585.3	585.9	586.5	587.1	587.7	587.4	587.1
117.5°	663.0	663.5	664.1	664.6	665.1	665.7	666.2	666.7	667.4	667.5	667.8
120°	715.6	717.1	718.6	720.1	720.9	721.3	721.6	721.8	722.2	722.2	722.2
122.5°	770.6	771.2	771.7	772.2	772.8	773.6	774.5	775.2	776.0	775.7	775.5
125°	847.7	849.5	851.3	853.1	854.2	854.4	854.7	855.1	855.3	854.7	854.2
127.5°	927.6	928.6	929.6	930.7	931.4	931.7	932.1	932.5	932.8	932.5	932.2
130°	976.5	978.0	979.5	981.0	982.0	982.7	983.2	983.8	984.4	984.1	983.8
132.5°	1025.9	1028.3	1030.8	1033.2	1034.4	1034.3	1034.1	1034.0	1033.9	1033.6	1033.3
135°	1101.9	1103.7	1105.5	1107.2	1108.3	1108.6	1108.9	1109.2	1109.5	1109.5	1109.5
137.5°	1173.9	1175.6	1177.3	1179.1	1180.3	1181.0	1181.6	1182.2	1182.9	1183.3	1183.7
140°	1219.9	1221.4	1222.9	1224.4	1225.6	1226.5	1227.4	1228.3	1229.2	1229.8	1230.4
142.5°	1266.0	1267.2	1268.5	1269.7	1270.9	1272.0	1273.2	1274.3	1275.4	1275.8	1276.1
145°	1333.9	1335.2	1336.3	1337.6	1338.5	1339.4	1340.3	1341.2	1342.1	1342.1	1342.1
147.5°	1396.3	1397.0	1397.7	1398.3	1399.0	1399.7	1400.4	1401.1	1401.9	1402.6	1403.3
150°	1437.3	1437.1	1436.7	1436.5	1436.9	1438.1	1439.3	1440.5	1441.7	1441.7	1441.7
152.5°	1472.5	1472.9	1473.3	1473.7	1474.2	1474.7	1475.2	1475.6	1476.1	1476.9	1477.6
155°	1525.1	1525.1	1525.1	1525.1	1525.2	1525.5	1525.8	1526.1	1526.4	1527.6	1528.7
157.5°	1571.7	1571.1	1570.4	1569.8	1569.6	1569.9	1570.2	1570.5	1570.7	1572.0	1573.2
160°	1599.5	1598.6	1597.7	1596.8	1596.5	1596.8	1597.1	1597.4	1597.7	1598.8	1600.1
162.5°	1624.4	1623.8	1623.2	1622.5	1622.2	1622.2	1622.3	1622.4	1622.4	1623.9	1625.3
165°	1657.6	1657.0	1656.4	1655.8	1655.6	1656.0	1656.3	1656.5	1656.9	1658.0	1659.2
167.5°	1685.0	1683.8	1682.6	1681.4	1680.8	1680.8	1680.8	1680.8	1680.8	1682.6	1684.4
170°	1700.0	1698.8	1697.6	1696.5	1695.9	1695.9	1695.9	1695.9	1695.9	1697.6	1699.4
172.5°	1710.8	1709.6	1708.4	1707.2	1706.6	1706.6	1706.6	1706.6	1706.6	1708.4	1710.2
175°	1722.9	1721.7	1720.5	1719.3	1718.7	1718.7	1718.7	1718.7	1718.7	1720.5	1722.3
177.5°	1729.3	1728.4	1727.4	1726.4	1725.8	1725.6	1725.4	1725.1	1724.9	1726.4	1727.8
180°	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1177.1	1177.1	1183.5	1183.1	1187.2	1185.7	1186.4
5°	1265.4	1273.3	1280.2	1284.9	1291.8	1293.7	1292.7
7.5°	1356.9	1374.4	1383.0	1394.6	1396.8	1402.8	1402.2
10°	1413.6	1430.7	1443.7	1453.8	1459.0	1465.4	1465.9
12.5°	1458.0	1472.6	1484.1	1493.5	1499.7	1501.7	1503.0
15°	1492.8	1509.0	1522.4	1535.8	1543.7	1549.7	1553.0
17.5°	1527.8	1552.8	1576.5	1594.7	1605.7	1614.9	1614.8
20°	1554.8	1583.5	1613.2	1634.0	1655.3	1664.6	1666.0
22.5°	1583.7	1627.6	1665.8	1698.1	1726.1	1735.7	1739.3
25°	1643.7	1701.1	1760.0	1805.4	1837.7	1856.7	1859.5
27.5°	1716.2	1793.9	1855.8	1897.6	1924.6	1938.7	1941.7
30°	1767.4	1839.2	1894.7	1926.2	1938.7	1940.5	1933.6
32.5°	1790.3	1844.0	1866.2	1864.3	1839.8	1823.5	1817.2
35°	1762.3	1751.1	1696.9	1632.2	1582.6	1551.1	1542.7
37.5°	1603.7	1507.9	1408.2	1310.3	1258.1	1231.6	1186.1
40°	1447.4	1310.8	1207.1	1124.7	1065.9	1018.6	1007.5
42.5°	1271.0	1130.1	1026.4	955.7	908.8	876.4	862.3
45°	1021.5	900.1	814.5	760.3	724.2	700.5	689.9
47.5°	817.0	723.1	660.7	620.5	593.1	572.5	566.8
50°	704.7	629.7	576.9	543.1	522.3	506.6	500.1
52.5°	612.1	551.5	511.0	483.1	463.4	453.6	448.2
55°	505.2	452.8	423.7	401.4	390.3	382.5	378.7
57.5°	413.1	375.3	354.0	338.7	328.4	323.3	321.6
60°	361.6	332.0	312.5	300.5	293.6	287.0	285.3
62.5°	316.0	292.7	277.7	267.2	260.2	257.4	256.4
65°	254.7	239.4	228.3	221.8	216.2	215.3	214.8
67.5°	202.4	193.4	187.6	180.8	178.9	175.7	175.0
70°	173.2	167.1	160.2	157.9	155.6	152.3	152.8
72.5°	146.9	140.9	136.2	133.0	132.2	130.8	132.1
75°	107.5	105.6	103.7	101.4	100.5	100.5	100.0
77.5°	76.7	75.1	73.0	71.7	71.4	69.5	70.2
80°	55.6	53.2	52.3	52.8	51.4	50.9	50.9
82.5°	41.1	40.3	39.3	39.4	39.1	38.7	39.1
85°	22.6	22.2	22.2	21.8	21.8	21.3	21.3
87.5°	13.4	14.0	13.6	13.3	13.5	14.1	14.6
90°	26.0	27.5	28.7	29.6	30.5	31.4	32.3
92.5°	57.5	59.6	60.8	61.5	62.2	62.8	63.5
95°	109.9	111.9	113.2	113.9	114.5	115.0	115.7
97.5°	170.8	172.7	174.0	174.3	174.7	175.0	175.4
100°	213.8	216.5	218.2	218.7	219.4	220.0	220.5
102.5°	257.6	260.5	262.4	263.2	264.0	264.9	265.7
105°	326.8	328.6	329.9	330.8	331.7	332.6	333.5
107.5°	401.8	402.7	403.1	403.1	403.1	403.0	402.9
110°	454.6	455.5	455.8	455.5	455.1	454.9	454.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	506.9	507.3	507.3	506.8	506.2	505.7	505.2
115°	586.8	586.5	586.2	585.9	585.6	585.3	585.1
117.5°	668.1	668.2	667.8	666.6	665.4	664.2	663.0
120°	722.2	722.2	721.6	720.4	719.2	718.0	716.8
122.5°	775.3	775.0	774.5	773.5	772.5	771.5	770.6
125°	853.5	852.9	852.5	852.2	851.9	851.6	851.3
127.5°	931.9	931.6	931.1	930.5	930.0	929.3	928.7
130°	983.6	983.2	982.8	982.2	981.6	981.0	980.4
132.5°	1033.0	1032.7	1032.2	1031.4	1030.5	1029.7	1028.8
135°	1109.5	1109.5	1108.9	1107.7	1106.5	1105.3	1104.1
137.5°	1184.0	1184.4	1183.8	1182.3	1180.8	1179.3	1177.8
140°	1231.0	1231.5	1231.1	1229.7	1228.2	1226.6	1225.1
142.5°	1276.5	1276.9	1276.3	1274.8	1273.4	1271.8	1270.3
145°	1342.1	1342.1	1341.7	1340.8	1339.9	1339.0	1338.1
147.5°	1404.0	1404.7	1404.1	1402.0	1400.0	1398.0	1396.0
150°	1441.7	1441.7	1441.4	1440.7	1440.2	1439.6	1439.0
152.5°	1478.3	1479.0	1478.8	1477.7	1476.7	1475.6	1474.5
155°	1530.0	1531.2	1531.1	1529.6	1528.0	1526.5	1525.1
157.5°	1574.4	1575.6	1575.2	1573.2	1571.2	1569.2	1567.3
160°	1601.2	1602.5	1602.3	1600.8	1599.3	1597.9	1596.3
162.5°	1626.7	1628.2	1628.0	1626.3	1624.5	1622.8	1621.0
165°	1660.5	1661.6	1661.3	1659.6	1657.8	1656.0	1654.1
167.5°	1686.1	1687.9	1687.9	1686.0	1684.3	1682.4	1680.5
170°	1701.2	1703.0	1702.9	1700.8	1698.7	1696.6	1694.5
172.5°	1712.0	1713.8	1713.8	1711.9	1710.0	1708.2	1706.4
175°	1724.1	1725.9	1725.7	1723.7	1721.5	1719.5	1717.3
177.5°	1729.2	1730.6	1730.5	1728.8	1727.2	1725.5	1723.9
180°	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1	1728.1

(END OF REPORT)