

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: P333455-935

Luminaire Tested: **S125DIW-S1090D1560U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333455-935  
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: S125DIW-S1090D1560U935-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8523.3 lumens  
Efficiency: N/A  
Efficacy: 111.3 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse

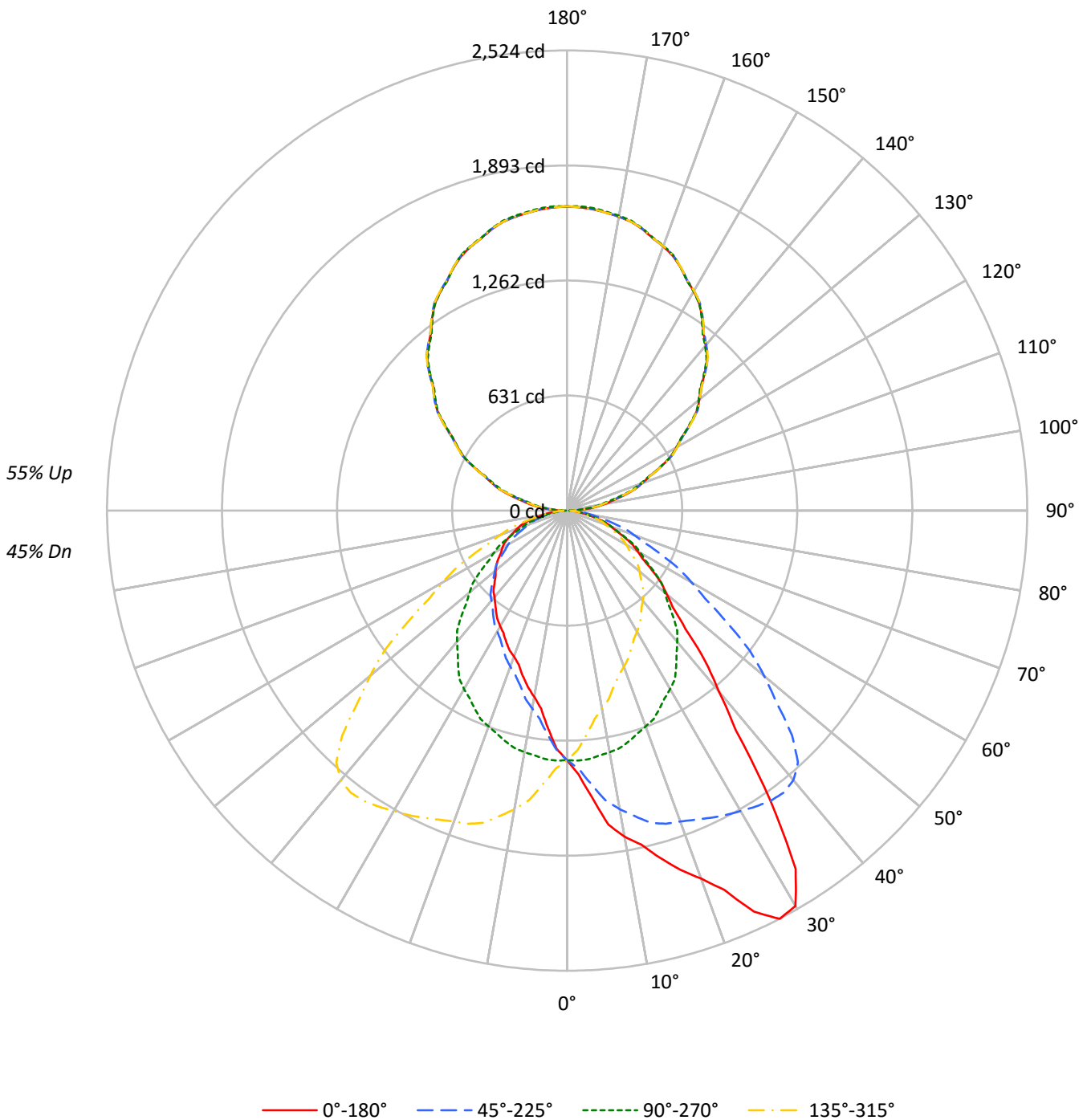
Input Watts (W): 76.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	45
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	44	39
2	88	81	75	70	81	75	70	65	62	59	56	51	49	46	41	39	37	33
3	81	71	64	59	74	66	60	55	55	51	47	45	42	39	36	34	32	28
4	74	63	56	50	68	58	52	46	49	44	40	41	37	34	33	30	28	24
5	68	56	48	43	62	52	45	40	44	39	35	36	32	29	29	27	24	21
6	62	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	21	18
7	58	46	38	32	53	42	35	30	36	30	27	30	26	23	24	21	19	16
8	54	41	34	29	49	38	32	27	33	27	24	27	23	20	22	19	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13
10	47	35	27	23	43	32	26	21	28	22	19	23	19	16	19	16	14	12

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

	0°	90°	180°	270°
0°	8843	8843	8843	8843
5°	10240	8873	7769	8873
10°	11913	8826	6807	8826
15°	13188	8762	6279	8762
20°	14762	8659	5856	8659
25°	17293	8543	5648	8543
30°	18678	8429	5469	8429
35°	15358	8215	5351	8215
40°	10916	7917	5223	7917
45°	8386	7516	5149	7516
50°	7159	7018	5138	7018
55°	6373	6531	5183	6531
60°	5749	5997	5315	5997
65°	5310	5462	5453	5462
70°	4828	4906	5531	4906
75°	4262	4319	5480	4319
80°	3585	3522	5013	3522
85°	2838	2542	4046	2542



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.8	1.5
10°-20°	392.4	4.6
20°-30°	637.2	7.5
30°-40°	777.3	9.1
40°-50°	707.1	8.3
50°-60°	563.2	6.6
60°-70°	392.3	4.6
70°-80°	209.2	2.5
80°-90°	56.4	0.7
90°-100°	111.8	1.3
100°-110°	330.0	3.9
110°-120°	559.0	6.6
120°-130°	735.7	8.6
130°-140°	824.3	9.7
140°-150°	807.9	9.5
150°-160°	678.6	8.0
160°-170°	451.1	5.3
170°-180°	157.9	1.9
0°-30°	1161.5	13.6
0°-40°	1938.8	22.7
0°-60°	3209.2	37.7
0°-90°	3867.1	45.4
90°-120°	1000.8	11.7
90°-150°	3368.6	39.5
90°-180°	4656.0	54.6
0°-180°	8523.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1369	1369	1369	1369	1369	
5°	1580	1369	1198	1369	1580	159
15°	1972	1310	939	1310	1972	565
25°	2427	1199	793	1199	2427	1108
35°	1948	1042	679	1042	1948	1192
45°	918	823	564	823	918	735
55°	566	580	460	580	566	510
65°	348	357	357	357	348	345
75°	171	173	220	173	171	184
85°	38	34	55	34	38	45
90°	31	1	31	1	31	19
95°	112	84	112	84	112	114
105°	322	296	322	296	322	341
115°	565	560	565	560	565	559
125°	822	817	822	817	822	734
135°	1066	1062	1066	1062	1066	822
145°	1292	1287	1292	1287	1292	807
155°	1473	1473	1473	1473	1473	678
165°	1597	1601	1597	1601	1597	450
175°	1658	1665	1658	1665	1658	158
180°	1669	1669	1669	1669	1669	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1448.2	1446.3	1444.5	1440.7	1443.6	1435.6	1431.9	1425.4	1417.5	1414.7	1411.4
5°	1579.5	1582.4	1585.4	1573.1	1574.3	1566.2	1547.6	1532.4	1520.3	1504.5	1493.5
7.5°	1737.6	1730.7	1730.2	1722.3	1708.7	1697.7	1678.2	1653.3	1629.3	1601.8	1579.2
10°	1816.6	1817.2	1812.0	1802.7	1788.1	1777.7	1752.1	1727.7	1698.1	1663.2	1638.2
12.5°	1876.1	1878.5	1872.0	1859.4	1852.3	1828.9	1808.9	1779.8	1744.6	1716.7	1678.7
15°	1972.4	1966.0	1961.4	1945.6	1933.5	1909.0	1877.1	1846.8	1808.4	1773.1	1737.6
17.5°	2065.1	2070.2	2061.5	2047.2	2009.3	1980.8	1937.9	1896.6	1848.8	1801.3	1758.9
20°	2147.9	2152.5	2139.2	2114.2	2068.8	2040.4	1984.0	1930.5	1875.3	1814.3	1767.8
22.5°	2251.1	2247.4	2229.3	2191.3	2152.1	2099.4	2038.4	1973.3	1904.1	1835.2	1773.4
25°	2426.8	2402.4	2391.3	2344.3	2292.6	2215.3	2131.6	2036.3	1950.3	1859.1	1780.0
27.5°	2524.2	2516.5	2504.2	2471.4	2417.1	2334.4	2235.8	2119.6	1998.3	1883.1	1779.7
30°	2504.6	2505.9	2507.0	2496.6	2461.7	2399.5	2301.3	2176.3	2032.2	1902.6	1782.9
32.5°	2331.8	2352.9	2373.1	2397.0	2406.8	2394.9	2333.4	2220.5	2072.2	1924.9	1781.1
35°	1947.9	1954.4	2020.0	2085.1	2173.4	2242.0	2287.9	2237.9	2113.0	1943.9	1778.8
37.5°	1518.9	1550.2	1595.7	1669.2	1796.7	1910.9	2057.7	2125.2	2084.9	1950.1	1774.8
40°	1294.8	1323.8	1353.5	1428.4	1535.9	1674.2	1841.0	1983.4	2016.5	1930.5	1760.8
42.5°	1121.8	1144.9	1177.8	1234.1	1324.0	1446.5	1605.8	1791.8	1906.3	1873.8	1731.6
45°	918.2	932.7	958.3	1003.1	1068.2	1164.0	1304.7	1508.0	1685.3	1744.0	1662.1
47.5°	785.9	785.8	805.7	836.6	883.6	965.0	1069.0	1228.4	1417.7	1557.8	1551.3
50°	712.5	709.6	725.2	752.0	789.2	843.3	942.6	1069.9	1251.7	1410.4	1454.6
52.5°	649.3	649.6	659.3	679.0	710.2	756.3	830.5	945.3	1100.7	1263.5	1346.7
55°	566.0	563.7	574.7	588.1	610.8	641.0	694.5	782.2	908.3	1068.7	1176.8
57.5°	489.7	496.2	500.6	509.9	528.7	549.0	594.0	658.4	758.5	896.1	1010.4
60°	445.1	451.5	455.0	464.3	479.4	496.9	531.8	584.0	668.3	786.9	900.2
62.5°	405.2	410.2	411.3	419.7	432.0	449.0	476.4	520.4	586.9	690.6	801.6
65°	347.5	347.5	349.8	358.5	364.4	379.4	400.4	432.4	485.9	566.6	661.3
67.5°	292.0	294.7	294.2	298.0	303.3	315.1	330.1	356.5	396.1	455.0	530.8
70°	255.7	258.0	257.4	260.4	266.1	273.7	285.9	310.9	339.4	389.9	455.0
72.5°	223.2	224.1	222.6	226.4	229.9	236.5	250.1	263.5	290.1	332.8	386.2
75°	170.8	172.0	173.1	175.5	179.0	182.4	189.4	202.9	220.2	252.2	286.5
77.5°	128.1	125.9	128.6	128.3	130.3	132.9	139.1	146.2	160.5	180.7	207.2
80°	96.4	97.0	97.0	97.6	100.6	102.3	107.5	112.7	123.8	138.9	157.5
82.5°	70.4	72.0	71.0	72.1	74.5	75.8	78.7	83.0	89.4	101.3	114.7
85°	38.3	35.5	36.6	37.8	37.8	38.3	40.6	42.4	45.9	50.5	55.8
87.5°	17.4	18.2	18.4	18.3	18.6	18.3	19.9	19.6	20.8	21.8	23.2
90°	31.2	30.3	29.4	28.6	27.7	26.5	25.1	23.7	22.2	20.8	18.8
92.5°	61.3	60.6	60.0	59.4	58.7	57.5	55.5	53.6	51.7	49.9	47.4
95°	111.7	111.1	110.6	109.9	109.3	108.1	106.1	104.0	102.0	100.0	97.1
97.5°	169.4	169.0	168.7	168.3	168.0	166.8	164.9	163.0	161.1	159.2	155.2
100°	212.9	212.4	211.8	211.2	210.7	209.1	206.5	203.9	201.3	198.6	194.9
102.5°	256.6	255.8	254.9	254.2	253.4	251.5	248.7	245.9	243.1	240.2	238.3
105°	322.0	321.2	320.3	319.4	318.6	317.3	315.6	313.8	312.1	310.4	308.6
107.5°	389.0	389.1	389.2	389.2	389.3	388.8	388.0	387.1	386.2	385.4	384.1
110°	438.9	439.2	439.5	439.8	440.1	439.8	438.9	438.1	437.1	436.3	435.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	487.8	488.3	488.8	489.3	489.8	489.8	489.5	489.0	488.6	488.3	487.2
115°	564.9	565.2	565.4	565.8	566.0	566.3	566.6	566.9	567.1	567.5	566.9
117.5°	640.2	641.4	642.5	643.6	644.8	645.2	645.1	644.8	644.5	644.4	643.8
120°	692.2	693.3	694.4	695.6	696.7	697.3	697.3	697.3	697.3	697.3	697.0
122.5°	744.1	744.9	745.9	746.8	747.8	748.3	748.6	748.8	749.0	749.2	748.5
125°	822.0	822.3	822.5	822.9	823.1	823.5	824.1	824.8	825.3	825.9	825.6
127.5°	896.7	897.3	897.9	898.5	899.1	899.5	899.8	900.1	900.3	900.7	900.3
130°	946.7	947.2	947.8	948.4	948.9	949.3	949.7	949.9	950.2	950.5	949.9
132.5°	993.3	994.2	995.0	995.8	996.6	997.1	997.5	997.7	998.0	998.3	998.4
135°	1066.1	1067.2	1068.4	1069.5	1070.7	1071.3	1071.3	1071.3	1071.3	1071.3	1071.0
137.5°	1137.2	1138.7	1140.1	1141.6	1143.1	1143.6	1143.2	1142.9	1142.5	1142.2	1141.5
140°	1182.9	1184.4	1185.9	1187.3	1188.7	1189.1	1188.6	1188.0	1187.4	1186.9	1186.0
142.5°	1226.6	1228.0	1229.5	1230.9	1232.3	1233.0	1232.5	1232.2	1231.8	1231.5	1230.5
145°	1292.0	1292.9	1293.7	1294.6	1295.5	1295.9	1295.9	1295.9	1295.9	1295.9	1295.0
147.5°	1347.9	1349.9	1351.8	1353.8	1355.7	1356.3	1355.6	1355.0	1354.3	1353.6	1352.9
150°	1389.4	1390.0	1390.6	1391.1	1391.7	1392.1	1392.1	1392.1	1392.1	1392.1	1390.9
152.5°	1423.7	1424.8	1425.8	1426.8	1427.9	1428.1	1427.4	1426.7	1426.0	1425.3	1424.8
155°	1472.6	1473.9	1475.4	1476.9	1478.3	1478.4	1477.3	1476.1	1475.0	1473.9	1473.5
157.5°	1513.3	1515.2	1517.1	1519.0	1521.0	1521.3	1520.2	1519.0	1517.9	1516.7	1516.4
160°	1541.4	1542.8	1544.2	1545.7	1547.1	1547.3	1546.1	1545.0	1543.8	1542.7	1542.4
162.5°	1565.2	1566.9	1568.6	1570.3	1571.9	1572.1	1570.7	1569.3	1568.0	1566.5	1566.5
165°	1597.2	1599.0	1600.7	1602.4	1604.1	1604.4	1603.3	1602.1	1600.9	1599.8	1599.5
167.5°	1622.6	1624.4	1626.3	1628.0	1629.8	1629.8	1628.1	1626.3	1624.6	1622.9	1622.9
170°	1636.2	1638.1	1640.2	1642.2	1644.3	1644.3	1642.6	1640.9	1639.2	1637.4	1637.4
172.5°	1647.6	1649.3	1651.1	1652.9	1654.8	1654.8	1653.0	1651.3	1649.6	1647.9	1647.9
175°	1658.2	1660.3	1662.2	1664.3	1666.3	1666.5	1664.7	1663.0	1661.2	1659.5	1659.5
177.5°	1664.5	1666.0	1667.7	1669.3	1670.9	1671.0	1669.7	1668.3	1666.9	1665.5	1665.7
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1408.7	1405.4	1401.7	1395.2	1387.2	1383.1	1376.6	1372.4	1364.0	1357.0	1349.6
5°	1480.1	1465.1	1451.1	1433.0	1413.3	1400.5	1385.4	1368.6	1351.2	1333.1	1313.4
7.5°	1554.2	1527.4	1498.4	1467.1	1436.6	1408.4	1381.6	1355.2	1330.6	1300.8	1275.6
10°	1604.0	1570.2	1534.2	1491.8	1450.5	1414.5	1377.9	1345.9	1313.4	1278.5	1247.7
12.5°	1653.6	1608.8	1557.9	1511.3	1461.6	1418.2	1375.1	1334.3	1293.4	1254.8	1218.8
15°	1688.8	1649.2	1602.1	1535.9	1480.1	1420.3	1363.3	1310.4	1261.0	1218.1	1172.8
17.5°	1711.9	1661.0	1610.4	1546.9	1473.8	1406.8	1342.3	1281.8	1226.1	1171.6	1127.8
20°	1716.1	1663.8	1610.9	1548.7	1473.8	1397.1	1332.6	1259.9	1200.1	1143.7	1090.2
22.5°	1714.7	1655.4	1597.8	1533.9	1460.8	1390.1	1312.1	1238.0	1173.1	1117.7	1061.9
25°	1701.6	1638.2	1566.2	1501.7	1429.6	1354.6	1275.6	1198.9	1132.6	1069.3	1014.1
27.5°	1690.7	1608.4	1526.9	1451.6	1382.1	1313.4	1237.7	1159.2	1085.6	1021.5	969.5
30°	1677.1	1587.1	1495.2	1416.8	1345.3	1278.5	1207.0	1130.3	1053.6	990.8	935.0
32.5°	1665.1	1560.1	1463.2	1377.8	1302.1	1237.1	1171.2	1098.2	1022.9	959.2	903.4
35°	1641.7	1520.3	1409.3	1312.8	1232.0	1165.2	1110.0	1042.0	972.8	911.2	857.7
37.5°	1612.1	1467.9	1348.8	1247.7	1159.2	1088.7	1037.3	985.2	918.8	859.4	811.1
40°	1588.8	1430.7	1304.7	1201.2	1109.4	1036.1	988.5	939.1	883.9	828.7	777.6
42.5°	1559.5	1397.3	1260.0	1148.7	1057.7	986.4	936.4	894.5	845.8	794.3	746.8
45°	1505.7	1336.6	1187.8	1068.2	976.3	905.9	854.3	822.9	786.3	737.4	697.3
47.5°	1426.6	1263.7	1109.8	986.3	891.6	826.4	777.9	747.8	722.0	685.7	649.4
50°	1356.3	1209.4	1053.6	931.0	836.3	770.6	725.8	698.5	676.4	648.5	617.8
52.5°	1277.8	1141.0	998.2	877.0	783.3	718.5	674.7	650.7	632.2	612.3	581.9
55°	1153.0	1036.7	904.2	789.2	702.6	639.2	600.9	580.0	564.9	549.7	531.2
57.5°	1015.5	924.5	807.2	702.0	622.2	564.6	528.8	508.5	496.7	489.0	478.0
60°	918.8	840.9	739.8	643.9	566.0	514.9	480.0	464.3	454.4	448.1	439.9
62.5°	829.1	765.1	671.4	583.9	515.8	467.4	436.4	421.1	411.6	408.5	401.8
65°	696.8	647.4	570.1	497.5	439.4	398.0	372.0	357.4	351.5	348.1	348.7
67.5°	566.5	536.4	474.3	412.3	366.0	331.4	310.5	299.3	296.4	291.7	291.6
70°	487.0	464.3	412.0	358.0	316.7	290.0	271.4	259.8	256.8	254.5	254.0
72.5°	416.8	396.9	351.5	308.2	271.1	247.7	232.3	225.3	220.6	219.2	219.1
75°	313.2	302.2	266.1	231.9	206.3	190.0	179.6	173.1	169.7	169.1	169.7
77.5°	222.7	213.0	190.1	165.8	149.7	137.4	128.5	126.3	122.3	122.5	121.9
80°	167.4	161.0	146.5	127.3	113.9	103.4	98.8	94.7	93.6	91.8	93.6
82.5°	121.3	114.5	104.6	92.4	81.4	75.1	70.4	69.1	68.4	67.7	68.0
85°	59.8	60.4	54.6	45.3	40.6	37.2	34.3	34.3	33.7	33.1	33.7
87.5°	23.8	22.5	20.2	18.3	15.6	13.8	12.8	12.8	11.9	11.9	12.8
90°	16.7	14.7	12.7	10.5	8.3	5.9	3.6	1.3	3.6	5.9	8.3
92.5°	44.9	42.4	40.0	37.9	36.2	34.7	33.1	31.4	33.1	34.7	36.2
95°	94.2	91.4	88.4	86.7	86.1	85.6	85.0	84.4	85.0	85.6	86.1
97.5°	151.3	147.2	143.3	141.2	140.9	140.7	140.4	140.3	140.4	140.7	140.9
100°	191.1	187.4	183.7	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8
102.5°	236.4	234.5	232.6	231.1	229.9	228.8	227.6	226.4	227.6	228.8	229.9
105°	306.9	305.1	303.4	301.9	300.4	298.9	297.5	296.1	297.5	298.9	300.4
107.5°	382.7	381.4	380.1	378.7	377.3	375.8	374.4	372.9	374.4	375.8	377.3
110°	434.5	433.7	432.8	431.7	430.2	428.8	427.4	425.9	427.4	428.8	430.2





TEST NUMBER: P333455-935

CATALOG NUMBER: S125DIW-S1090D1560U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	486.0	484.9	483.9	482.9	482.2	481.5	480.7	479.9	480.7	481.5	482.2
115°	566.3	565.8	565.2	564.3	563.1	562.0	560.9	559.6	560.9	562.0	563.1
117.5°	643.3	642.7	642.2	641.7	641.2	640.7	640.2	639.6	640.2	640.7	641.2
120°	696.7	696.5	696.1	695.3	693.9	692.4	691.0	689.5	691.0	692.4	693.9
122.5°	747.8	747.0	746.2	745.6	745.1	744.6	744.1	743.6	744.1	744.6	745.1
125°	825.3	825.0	824.8	823.7	822.0	820.3	818.5	816.7	818.5	820.3	822.0
127.5°	900.0	899.7	899.3	898.6	897.6	896.6	895.7	894.7	895.7	896.6	897.6
130°	949.3	948.8	948.2	947.2	945.7	944.3	942.9	941.4	942.9	944.3	945.7
132.5°	998.5	998.7	998.8	997.6	995.3	992.9	990.6	988.2	990.6	992.9	995.3
135°	1070.7	1070.4	1070.1	1069.1	1067.4	1065.7	1063.9	1062.2	1063.9	1065.7	1067.4
137.5°	1140.9	1140.3	1139.6	1138.5	1136.8	1135.1	1133.5	1131.8	1133.5	1135.1	1136.8
140°	1185.2	1184.2	1183.4	1182.2	1180.8	1179.3	1177.9	1176.5	1177.9	1179.3	1180.8
142.5°	1229.3	1228.2	1227.1	1226.0	1224.8	1223.6	1222.4	1221.2	1222.4	1223.6	1224.8
145°	1294.2	1293.3	1292.4	1291.5	1290.3	1289.2	1288.0	1286.9	1288.0	1289.2	1290.3
147.5°	1352.2	1351.5	1350.8	1350.1	1349.5	1348.8	1348.2	1347.6	1348.2	1348.8	1349.5
150°	1389.7	1388.5	1387.4	1387.0	1387.2	1387.6	1387.8	1388.1	1387.8	1387.6	1387.2
152.5°	1424.4	1423.9	1423.4	1423.0	1422.5	1422.2	1421.8	1421.3	1421.8	1422.2	1422.5
155°	1473.3	1473.0	1472.7	1472.6	1472.6	1472.6	1472.6	1472.6	1472.6	1472.6	1472.6
157.5°	1516.1	1515.8	1515.5	1515.7	1516.3	1517.0	1517.6	1518.2	1517.6	1517.0	1516.3
160°	1542.1	1541.8	1541.5	1541.8	1542.7	1543.5	1544.4	1545.2	1544.4	1543.5	1542.7
162.5°	1566.4	1566.3	1566.3	1566.6	1567.3	1567.9	1568.5	1569.2	1568.5	1567.9	1567.3
165°	1599.2	1599.0	1598.6	1598.8	1599.4	1599.9	1600.5	1601.1	1600.5	1599.9	1599.4
167.5°	1622.9	1622.9	1622.9	1623.5	1624.6	1625.8	1626.9	1628.1	1626.9	1625.8	1624.6
170°	1637.4	1637.4	1637.4	1638.1	1639.2	1640.3	1641.5	1642.6	1641.5	1640.3	1639.2
172.5°	1647.9	1647.9	1647.9	1648.4	1649.6	1650.7	1651.9	1653.0	1651.9	1650.7	1649.6
175°	1659.5	1659.5	1659.5	1660.1	1661.2	1662.4	1663.5	1664.7	1663.5	1662.4	1661.2
177.5°	1665.9	1666.2	1666.4	1667.0	1667.9	1668.9	1669.7	1670.7	1669.7	1668.9	1667.9
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



TEST NUMBER: P333455-935

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1345.4	1340.3	1336.1	1326.8	1321.7	1314.7	1309.2	1315.2	1308.7	1311.5	1307.3
5°	1303.5	1287.2	1275.6	1258.7	1244.2	1230.8	1221.0	1219.2	1214.5	1212.2	1205.2
7.5°	1253.0	1232.7	1212.7	1190.6	1172.0	1153.1	1141.0	1131.0	1124.4	1115.7	1109.7
10°	1223.3	1195.9	1172.8	1146.0	1122.7	1102.4	1086.2	1078.0	1070.5	1059.4	1055.3
12.5°	1186.5	1158.3	1130.0	1101.4	1079.0	1056.4	1042.4	1030.1	1024.8	1012.4	1011.2
15°	1142.5	1100.1	1072.2	1043.1	1012.4	993.8	982.1	968.7	962.9	954.2	947.8
17.5°	1089.9	1052.1	1017.2	987.1	960.7	945.0	930.7	921.4	911.5	905.8	895.3
20°	1051.9	1015.8	980.9	949.0	928.7	910.6	899.0	890.3	879.9	876.9	866.5
22.5°	1019.8	980.0	946.6	919.7	897.5	877.2	864.6	858.7	851.4	842.5	840.4
25°	967.6	926.3	897.9	871.2	851.4	832.8	824.1	816.5	809.5	803.1	800.8
27.5°	922.5	885.6	851.8	827.7	810.5	793.5	785.8	776.6	771.5	766.4	760.1
30°	890.9	853.1	823.5	800.2	781.6	766.5	758.4	752.0	747.3	742.7	739.2
32.5°	858.3	823.4	794.6	771.9	753.3	741.8	734.7	730.1	725.0	719.5	715.1
35°	815.4	777.0	749.1	729.4	714.8	706.1	697.9	693.9	688.0	688.0	683.4
37.5°	766.9	733.7	709.1	691.1	678.0	670.3	661.4	658.7	655.0	652.5	650.8
40°	738.0	707.2	684.0	666.0	652.0	645.7	638.7	634.0	631.7	628.8	627.6
42.5°	708.3	678.9	656.6	640.0	627.8	622.4	615.9	612.6	608.0	604.2	603.5
45°	663.1	634.6	614.2	600.9	590.4	584.0	580.0	573.0	570.7	566.0	565.4
47.5°	620.2	592.9	572.9	562.0	552.8	547.5	541.1	534.2	531.5	529.2	528.9
50°	588.1	563.1	544.5	534.1	525.4	517.8	511.4	506.8	505.0	505.0	506.2
52.5°	555.6	534.3	518.5	505.7	497.5	489.4	483.5	480.7	478.0	480.9	482.9
55°	507.9	486.4	474.8	462.6	454.4	445.1	442.2	441.1	439.4	444.0	446.3
57.5°	457.4	442.4	428.8	416.6	409.3	404.0	400.0	399.3	402.6	404.8	412.3
60°	425.4	407.9	395.7	386.4	377.7	374.3	373.1	372.0	374.3	380.6	390.5
62.5°	390.0	375.9	362.7	355.8	349.4	343.5	343.4	344.1	348.7	356.0	365.8
65°	338.2	326.0	317.3	309.2	303.9	300.4	301.6	303.9	309.2	319.0	330.1
67.5°	285.6	277.2	269.4	262.8	257.8	257.8	259.0	262.4	268.6	280.0	290.1
70°	251.7	242.4	235.9	233.1	228.9	226.6	230.1	235.9	241.2	251.7	260.4
72.5°	217.7	209.8	204.8	202.9	201.0	199.2	200.4	206.6	213.7	224.2	234.3
75°	167.4	164.5	161.0	158.7	156.9	158.1	159.2	165.1	170.8	181.9	193.6
77.5°	122.2	119.2	117.0	116.5	115.5	116.1	119.3	123.6	129.3	137.4	146.2
80°	92.4	91.3	90.1	89.5	89.5	90.1	94.7	97.6	102.9	110.4	117.4
82.5°	67.3	66.6	66.4	66.2	66.7	66.8	69.7	73.4	77.7	83.4	89.5
85°	35.5	34.3	36.0	36.6	35.5	37.2	38.3	40.6	42.4	45.3	48.2
87.5°	13.7	15.1	15.1	15.9	16.3	17.7	17.5	19.6	20.8	22.0	21.8
90°	10.5	12.7	14.7	16.7	18.8	20.8	22.2	23.7	25.1	26.5	27.7
92.5°	37.9	40.0	42.4	44.9	47.4	49.9	51.7	53.6	55.5	57.5	58.7
95°	86.7	88.4	91.4	94.2	97.1	100.0	102.0	104.0	106.1	108.1	109.3
97.5°	141.2	143.3	147.2	151.3	155.2	159.2	161.1	163.0	164.9	166.8	168.0
100°	181.8	183.7	187.4	191.1	194.9	198.6	201.3	203.9	206.5	209.1	210.7
102.5°	231.1	232.6	234.5	236.4	238.3	240.2	243.1	245.9	248.7	251.5	253.4
105°	301.9	303.4	305.1	306.9	308.6	310.4	312.1	313.8	315.6	317.3	318.6
107.5°	378.7	380.1	381.4	382.7	384.1	385.4	386.2	387.1	388.0	388.8	389.3
110°	431.7	432.8	433.7	434.5	435.4	436.3	437.1	438.1	438.9	439.8	440.1



TEST NUMBER: P333455-935

CATALOG NUMBER: S125DIW-S1090D1560U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	482.9	483.9	484.9	486.0	487.2	488.3	488.6	489.0	489.5	489.8	489.8
115°	564.3	565.2	565.8	566.3	566.9	567.5	567.1	566.9	566.6	566.3	566.0
117.5°	641.7	642.2	642.7	643.3	643.8	644.4	644.5	644.8	645.1	645.2	644.8
120°	695.3	696.1	696.5	696.7	697.0	697.3	697.3	697.3	697.3	697.3	696.7
122.5°	745.6	746.2	747.0	747.8	748.5	749.2	749.0	748.8	748.6	748.3	747.8
125°	823.7	824.8	825.0	825.3	825.6	825.9	825.3	824.8	824.1	823.5	823.1
127.5°	898.6	899.3	899.7	900.0	900.3	900.7	900.3	900.1	899.8	899.5	899.1
130°	947.2	948.2	948.8	949.3	949.9	950.5	950.2	949.9	949.7	949.3	948.9
132.5°	997.6	998.8	998.7	998.5	998.4	998.3	998.0	997.7	997.5	997.1	996.6
135°	1069.1	1070.1	1070.4	1070.7	1071.0	1071.3	1071.3	1071.3	1071.3	1071.3	1070.7
137.5°	1138.5	1139.6	1140.3	1140.9	1141.5	1142.2	1142.5	1142.9	1143.2	1143.6	1143.1
140°	1182.2	1183.4	1184.2	1185.2	1186.0	1186.9	1187.4	1188.0	1188.6	1189.1	1188.7
142.5°	1226.0	1227.1	1228.2	1229.3	1230.5	1231.5	1231.8	1232.2	1232.5	1233.0	1232.3
145°	1291.5	1292.4	1293.3	1294.2	1295.0	1295.9	1295.9	1295.9	1295.9	1295.9	1295.5
147.5°	1350.1	1350.8	1351.5	1352.2	1352.9	1353.6	1354.3	1355.0	1355.6	1356.3	1355.7
150°	1387.0	1387.4	1388.5	1389.7	1390.9	1392.1	1392.1	1392.1	1392.1	1392.1	1391.7
152.5°	1423.0	1423.4	1423.9	1424.4	1424.8	1425.3	1426.0	1426.7	1427.4	1428.1	1427.9
155°	1472.6	1472.7	1473.0	1473.3	1473.5	1473.9	1475.0	1476.1	1477.3	1478.4	1478.3
157.5°	1515.7	1515.5	1515.8	1516.1	1516.4	1516.7	1517.9	1519.0	1520.2	1521.3	1521.0
160°	1541.8	1541.5	1541.8	1542.1	1542.4	1542.7	1543.8	1545.0	1546.1	1547.3	1547.1
162.5°	1566.6	1566.3	1566.3	1566.4	1566.5	1566.5	1568.0	1569.3	1570.7	1572.1	1571.9
165°	1598.8	1598.6	1599.0	1599.2	1599.5	1599.8	1600.9	1602.1	1603.3	1604.4	1604.1
167.5°	1623.5	1622.9	1622.9	1622.9	1622.9	1622.9	1624.6	1626.3	1628.1	1629.8	1629.8
170°	1638.1	1637.4	1637.4	1637.4	1637.4	1637.4	1639.2	1640.9	1642.6	1644.3	1644.3
172.5°	1648.4	1647.9	1647.9	1647.9	1647.9	1647.9	1649.6	1651.3	1653.0	1654.8	1654.8
175°	1660.1	1659.5	1659.5	1659.5	1659.5	1659.5	1661.2	1663.0	1664.7	1666.5	1666.3
177.5°	1667.0	1666.4	1666.2	1665.9	1665.7	1665.5	1666.9	1668.3	1669.7	1671.0	1670.9
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



TEST NUMBER: P333455-935

CATALOG NUMBER: S125DIW-S1090D1560U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1304.5	1307.8	1305.0	1308.7	1305.0	1307.8	1304.5	1307.3	1311.5	1308.7	1315.2
5°	1202.4	1197.1	1200.6	1198.3	1200.6	1197.1	1202.4	1205.2	1212.2	1214.5	1219.2
7.5°	1108.0	1103.0	1097.3	1094.6	1097.3	1103.0	1108.0	1109.7	1115.7	1124.4	1131.0
10°	1049.0	1042.6	1042.0	1037.9	1042.0	1042.6	1049.0	1055.3	1059.4	1070.5	1078.0
12.5°	1005.7	999.8	993.2	991.4	993.2	999.8	1005.7	1011.2	1012.4	1024.8	1030.1
15°	944.3	939.7	935.6	939.1	935.6	939.7	944.3	947.8	954.2	962.9	968.7
17.5°	893.3	889.5	888.8	884.5	888.8	889.5	893.3	895.3	905.8	911.5	921.4
20°	861.3	858.3	859.5	852.0	859.5	858.3	861.3	866.5	876.9	879.9	890.3
22.5°	835.7	830.0	829.3	827.8	829.3	830.0	835.7	840.4	842.5	851.4	858.7
25°	795.6	792.6	789.8	792.6	789.8	792.6	795.6	800.8	803.1	809.5	816.5
27.5°	760.6	757.1	756.3	756.6	756.3	757.1	760.6	760.1	766.4	771.5	776.6
30°	739.2	733.4	734.0	733.4	734.0	733.4	739.2	739.2	742.7	747.3	752.0
32.5°	715.9	712.0	711.2	710.2	711.2	712.0	715.9	715.1	719.5	725.0	730.1
35°	681.7	681.7	678.7	678.7	678.7	681.7	681.7	683.4	688.0	688.0	693.9
37.5°	649.5	648.8	647.1	647.4	647.1	648.8	649.5	650.8	652.5	655.0	658.7
40°	625.3	624.7	622.9	619.5	622.9	624.7	625.3	627.6	628.8	631.7	634.0
42.5°	602.0	600.1	599.3	598.1	599.3	600.1	602.0	603.5	604.2	608.0	612.6
45°	565.4	565.4	564.3	563.7	564.3	565.4	565.4	565.4	566.0	570.7	573.0
47.5°	529.9	530.9	533.1	532.8	533.1	530.9	529.9	528.9	529.2	531.5	534.2
50°	508.5	509.1	510.8	511.4	510.8	509.1	508.5	506.2	505.0	505.0	506.8
52.5°	484.7	488.2	490.3	490.0	490.3	488.2	484.7	482.9	480.9	478.0	480.7
55°	451.5	455.6	459.7	460.3	459.7	455.6	451.5	446.3	444.0	439.4	441.1
57.5°	418.6	424.3	428.6	430.1	428.6	424.3	418.6	412.3	404.8	402.6	399.3
60°	396.3	403.9	409.1	411.5	409.1	403.9	396.3	390.5	380.6	374.3	372.0
62.5°	375.0	383.4	388.7	389.1	388.7	383.4	375.0	365.8	356.0	348.7	344.1
65°	339.9	348.7	353.4	356.8	353.4	348.7	339.9	330.1	319.0	309.2	303.9
67.5°	302.3	311.0	316.2	318.9	316.2	311.0	302.3	290.1	280.0	268.6	262.4
70°	274.9	283.6	290.6	292.9	290.6	283.6	274.9	260.4	251.7	241.2	235.9
72.5°	247.9	255.7	261.3	264.1	261.3	255.7	247.9	234.3	224.2	213.7	206.6
75°	201.0	211.5	216.8	219.6	216.8	211.5	201.0	193.6	181.9	170.8	165.1
77.5°	155.1	164.5	167.7	169.2	167.7	164.5	155.1	146.2	137.4	129.3	123.6
80°	124.3	130.2	134.2	134.8	134.2	130.2	124.3	117.4	110.4	102.9	97.6
82.5°	95.6	100.4	101.7	103.2	101.7	100.4	95.6	89.5	83.4	77.7	73.4
85°	52.3	54.6	55.2	54.6	55.2	54.6	52.3	48.2	45.3	42.4	40.6
87.5°	22.9	22.6	22.8	23.9	22.8	22.6	22.9	21.8	22.0	20.8	19.6
90°	28.6	29.4	30.3	31.2	30.3	29.4	28.6	27.7	26.5	25.1	23.7
92.5°	59.4	60.0	60.6	61.3	60.6	60.0	59.4	58.7	57.5	55.5	53.6
95°	109.9	110.6	111.1	111.7	111.1	110.6	109.9	109.3	108.1	106.1	104.0
97.5°	168.3	168.7	169.0	169.4	169.0	168.7	168.3	168.0	166.8	164.9	163.0
100°	211.2	211.8	212.4	212.9	212.4	211.8	211.2	210.7	209.1	206.5	203.9
102.5°	254.2	254.9	255.8	256.6	255.8	254.9	254.2	253.4	251.5	248.7	245.9
105°	319.4	320.3	321.2	322.0	321.2	320.3	319.4	318.6	317.3	315.6	313.8
107.5°	389.2	389.2	389.1	389.0	389.1	389.2	389.2	389.3	388.8	388.0	387.1
110°	439.8	439.5	439.2	438.9	439.2	439.5	439.8	440.1	439.8	438.9	438.1



TEST NUMBER: P333455-935

CATALOG NUMBER: S125DIW-S1090D1560U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	489.3	488.8	488.3	487.8	488.3	488.8	489.3	489.8	489.8	489.5	489.0
115°	565.8	565.4	565.2	564.9	565.2	565.4	565.8	566.0	566.3	566.6	566.9
117.5°	643.6	642.5	641.4	640.2	641.4	642.5	643.6	644.8	645.2	645.1	644.8
120°	695.6	694.4	693.3	692.2	693.3	694.4	695.6	696.7	697.3	697.3	697.3
122.5°	746.8	745.9	744.9	744.1	744.9	745.9	746.8	747.8	748.3	748.6	748.8
125°	822.9	822.5	822.3	822.0	822.3	822.5	822.9	823.1	823.5	824.1	824.8
127.5°	898.5	897.9	897.3	896.7	897.3	897.9	898.5	899.1	899.5	899.8	900.1
130°	948.4	947.8	947.2	946.7	947.2	947.8	948.4	948.9	949.3	949.7	949.9
132.5°	995.8	995.0	994.2	993.3	994.2	995.0	995.8	996.6	997.1	997.5	997.7
135°	1069.5	1068.4	1067.2	1066.1	1067.2	1068.4	1069.5	1070.7	1071.3	1071.3	1071.3
137.5°	1141.6	1140.1	1138.7	1137.2	1138.7	1140.1	1141.6	1143.1	1143.6	1143.2	1142.9
140°	1187.3	1185.9	1184.4	1182.9	1184.4	1185.9	1187.3	1188.7	1189.1	1188.6	1188.0
142.5°	1230.9	1229.5	1228.0	1226.6	1228.0	1229.5	1230.9	1232.3	1233.0	1232.5	1232.2
145°	1294.6	1293.7	1292.9	1292.0	1292.9	1293.7	1294.6	1295.5	1295.9	1295.9	1295.9
147.5°	1353.8	1351.8	1349.9	1347.9	1349.9	1351.8	1353.8	1355.7	1356.3	1355.6	1355.0
150°	1391.1	1390.6	1390.0	1389.4	1390.0	1390.6	1391.1	1391.7	1392.1	1392.1	1392.1
152.5°	1426.8	1425.8	1424.8	1423.7	1424.8	1425.8	1426.8	1427.9	1428.1	1427.4	1426.7
155°	1476.9	1475.4	1473.9	1472.6	1473.9	1475.4	1476.9	1478.3	1478.4	1477.3	1476.1
157.5°	1519.0	1517.1	1515.2	1513.3	1515.2	1517.1	1519.0	1521.0	1521.3	1520.2	1519.0
160°	1545.7	1544.2	1542.8	1541.4	1542.8	1544.2	1545.7	1547.1	1547.3	1546.1	1545.0
162.5°	1570.3	1568.6	1566.9	1565.2	1566.9	1568.6	1570.3	1571.9	1572.1	1570.7	1569.3
165°	1602.4	1600.7	1599.0	1597.2	1599.0	1600.7	1602.4	1604.1	1604.4	1603.3	1602.1
167.5°	1628.0	1626.3	1624.4	1622.6	1624.4	1626.3	1628.0	1629.8	1629.8	1628.1	1626.3
170°	1642.2	1640.2	1638.1	1636.2	1638.1	1640.2	1642.2	1644.3	1644.3	1642.6	1640.9
172.5°	1652.9	1651.1	1649.3	1647.6	1649.3	1651.1	1652.9	1654.8	1654.8	1653.0	1651.3
175°	1664.3	1662.2	1660.3	1658.2	1660.3	1662.2	1664.3	1666.3	1666.5	1664.7	1663.0
177.5°	1669.3	1667.7	1666.0	1664.5	1666.0	1667.7	1669.3	1670.9	1671.0	1669.7	1668.3
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1309.2	1314.7	1321.7	1326.8	1336.1	1340.3	1345.4	1349.6	1357.0	1364.0	1372.4
5°	1221.0	1230.8	1244.2	1258.7	1275.6	1287.2	1303.5	1313.4	1333.1	1351.2	1368.6
7.5°	1141.0	1153.1	1172.0	1190.6	1212.7	1232.7	1253.0	1275.6	1300.8	1330.6	1355.2
10°	1086.2	1102.4	1122.7	1146.0	1172.8	1195.9	1223.3	1247.7	1278.5	1313.4	1345.9
12.5°	1042.4	1056.4	1079.0	1101.4	1130.0	1158.3	1186.5	1218.8	1254.8	1293.4	1334.3
15°	982.1	993.8	1012.4	1043.1	1072.2	1100.1	1142.5	1172.8	1218.1	1261.0	1310.4
17.5°	930.7	945.0	960.7	987.1	1017.2	1052.1	1089.9	1127.8	1171.6	1226.1	1281.8
20°	899.0	910.6	928.7	949.0	980.9	1015.8	1051.9	1090.2	1143.7	1200.1	1259.9
22.5°	864.6	877.2	897.5	919.7	946.6	980.0	1019.8	1061.9	1117.7	1173.1	1238.0
25°	824.1	832.8	851.4	871.2	897.9	926.3	967.6	1014.1	1069.3	1132.6	1198.9
27.5°	785.8	793.5	810.5	827.7	851.8	885.6	922.5	969.5	1021.5	1085.6	1159.2
30°	758.4	766.5	781.6	800.2	823.5	853.1	890.9	935.0	990.8	1053.6	1130.3
32.5°	734.7	741.8	753.3	771.9	794.6	823.4	858.3	903.4	959.2	1022.9	1098.2
35°	697.9	706.1	714.8	729.4	749.1	777.0	815.4	857.7	911.2	972.8	1042.0
37.5°	661.4	670.3	678.0	691.1	709.1	733.7	766.9	811.1	859.4	918.8	985.2
40°	638.7	645.7	652.0	666.0	684.0	707.2	738.0	777.6	828.7	883.9	939.1
42.5°	615.9	622.4	627.8	640.0	656.6	678.9	708.3	746.8	794.3	845.8	894.5
45°	580.0	584.0	590.4	600.9	614.2	634.6	663.1	697.3	737.4	786.3	822.9
47.5°	541.1	547.5	552.8	562.0	572.9	592.9	620.2	649.4	685.7	722.0	747.8
50°	511.4	517.8	525.4	534.1	544.5	563.1	588.1	617.8	648.5	676.4	698.5
52.5°	483.5	489.4	497.5	505.7	518.5	534.3	555.6	581.9	612.3	632.2	650.7
55°	442.2	445.1	454.4	462.6	474.8	486.4	507.9	531.2	549.7	564.9	580.0
57.5°	400.0	404.0	409.3	416.6	428.8	442.4	457.4	478.0	489.0	496.7	508.5
60°	373.1	374.3	377.7	386.4	395.7	407.9	425.4	439.9	448.1	454.4	464.3
62.5°	343.4	343.5	349.4	355.8	362.7	375.9	390.0	401.8	408.5	411.6	421.1
65°	301.6	300.4	303.9	309.2	317.3	326.0	338.2	348.7	348.1	351.5	357.4
67.5°	259.0	257.8	257.8	262.8	269.4	277.2	285.6	291.6	291.7	296.4	299.3
70°	230.1	226.6	228.9	233.1	235.9	242.4	251.7	254.0	254.5	256.8	259.8
72.5°	200.4	199.2	201.0	202.9	204.8	209.8	217.7	219.1	219.2	220.6	225.3
75°	159.2	158.1	156.9	158.7	161.0	164.5	167.4	169.7	169.1	169.7	173.1
77.5°	119.3	116.1	115.5	116.5	117.0	119.2	122.2	121.9	122.5	122.3	126.3
80°	94.7	90.1	89.5	89.5	90.1	91.3	92.4	93.6	91.8	93.6	94.7
82.5°	69.7	66.8	66.7	66.2	66.4	66.6	67.3	68.0	67.7	68.4	69.1
85°	38.3	37.2	35.5	36.6	36.0	34.3	35.5	33.7	33.1	33.7	34.3
87.5°	17.5	17.7	16.3	15.9	15.1	15.1	13.7	12.8	11.9	11.9	12.8
90°	22.2	20.8	18.8	16.7	14.7	12.7	10.5	8.3	5.9	3.6	1.3
92.5°	51.7	49.9	47.4	44.9	42.4	40.0	37.9	36.2	34.7	33.1	31.4
95°	102.0	100.0	97.1	94.2	91.4	88.4	86.7	86.1	85.6	85.0	84.4
97.5°	161.1	159.2	155.2	151.3	147.2	143.3	141.2	140.9	140.7	140.4	140.3
100°	201.3	198.6	194.9	191.1	187.4	183.7	181.8	181.8	181.8	181.8	181.8
102.5°	243.1	240.2	238.3	236.4	234.5	232.6	231.1	229.9	228.8	227.6	226.4
105°	312.1	310.4	308.6	306.9	305.1	303.4	301.9	300.4	298.9	297.5	296.1
107.5°	386.2	385.4	384.1	382.7	381.4	380.1	378.7	377.3	375.8	374.4	372.9
110°	437.1	436.3	435.4	434.5	433.7	432.8	431.7	430.2	428.8	427.4	425.9



TEST NUMBER: P333455-935

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	488.6	488.3	487.2	486.0	484.9	483.9	482.9	482.2	481.5	480.7	479.9
115°	567.1	567.5	566.9	566.3	565.8	565.2	564.3	563.1	562.0	560.9	559.6
117.5°	644.5	644.4	643.8	643.3	642.7	642.2	641.7	641.2	640.7	640.2	639.6
120°	697.3	697.3	697.0	696.7	696.5	696.1	695.3	693.9	692.4	691.0	689.5
122.5°	749.0	749.2	748.5	747.8	747.0	746.2	745.6	745.1	744.6	744.1	743.6
125°	825.3	825.9	825.6	825.3	825.0	824.8	823.7	822.0	820.3	818.5	816.7
127.5°	900.3	900.7	900.3	900.0	899.7	899.3	898.6	897.6	896.6	895.7	894.7
130°	950.2	950.5	949.9	949.3	948.8	948.2	947.2	945.7	944.3	942.9	941.4
132.5°	998.0	998.3	998.4	998.5	998.7	998.8	997.6	995.3	992.9	990.6	988.2
135°	1071.3	1071.3	1071.0	1070.7	1070.4	1070.1	1069.1	1067.4	1065.7	1063.9	1062.2
137.5°	1142.5	1142.2	1141.5	1140.9	1140.3	1139.6	1138.5	1136.8	1135.1	1133.5	1131.8
140°	1187.4	1186.9	1186.0	1185.2	1184.2	1183.4	1182.2	1180.8	1179.3	1177.9	1176.5
142.5°	1231.8	1231.5	1230.5	1229.3	1228.2	1227.1	1226.0	1224.8	1223.6	1222.4	1221.2
145°	1295.9	1295.9	1295.0	1294.2	1293.3	1292.4	1291.5	1290.3	1289.2	1288.0	1286.9
147.5°	1354.3	1353.6	1352.9	1352.2	1351.5	1350.8	1350.1	1349.5	1348.8	1348.2	1347.6
150°	1392.1	1392.1	1390.9	1389.7	1388.5	1387.4	1387.0	1387.2	1387.6	1387.8	1388.1
152.5°	1426.0	1425.3	1424.8	1424.4	1423.9	1423.4	1423.0	1422.5	1422.2	1421.8	1421.3
155°	1475.0	1473.9	1473.5	1473.3	1473.0	1472.7	1472.6	1472.6	1472.6	1472.6	1472.6
157.5°	1517.9	1516.7	1516.4	1516.1	1515.8	1515.5	1515.7	1516.3	1517.0	1517.6	1518.2
160°	1543.8	1542.7	1542.4	1542.1	1541.8	1541.5	1541.8	1542.7	1543.5	1544.4	1545.2
162.5°	1568.0	1566.5	1566.5	1566.4	1566.3	1566.3	1566.6	1567.3	1567.9	1568.5	1569.2
165°	1600.9	1599.8	1599.5	1599.2	1599.0	1598.6	1598.8	1599.4	1599.9	1600.5	1601.1
167.5°	1624.6	1622.9	1622.9	1622.9	1622.9	1622.9	1623.5	1624.6	1625.8	1626.9	1628.1
170°	1639.2	1637.4	1637.4	1637.4	1637.4	1637.4	1638.1	1639.2	1640.3	1641.5	1642.6
172.5°	1649.6	1647.9	1647.9	1647.9	1647.9	1647.9	1648.4	1649.6	1650.7	1651.9	1653.0
175°	1661.2	1659.5	1659.5	1659.5	1659.5	1659.5	1660.1	1661.2	1662.4	1663.5	1664.7
177.5°	1666.9	1665.5	1665.7	1665.9	1666.2	1666.4	1667.0	1667.9	1668.9	1669.7	1670.7
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



TEST NUMBER: P333455-935

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1376.6	1383.1	1387.2	1395.2	1401.7	1405.4	1408.7	1411.4	1414.7	1417.5	1425.4
5°	1385.4	1400.5	1413.3	1433.0	1451.1	1465.1	1480.1	1493.5	1504.5	1520.3	1532.4
7.5°	1381.6	1408.4	1436.6	1467.1	1498.4	1527.4	1554.2	1579.2	1601.8	1629.3	1653.3
10°	1377.9	1414.5	1450.5	1491.8	1534.2	1570.2	1604.0	1638.2	1663.2	1698.1	1727.7
12.5°	1375.1	1418.2	1461.6	1511.3	1557.9	1608.8	1653.6	1678.7	1716.7	1744.6	1779.8
15°	1363.3	1420.3	1480.1	1535.9	1602.1	1649.2	1688.8	1737.6	1773.1	1808.4	1846.8
17.5°	1342.3	1406.8	1473.8	1546.9	1610.4	1661.0	1711.9	1758.9	1801.3	1848.8	1896.6
20°	1332.6	1397.1	1473.8	1548.7	1610.9	1663.8	1716.1	1767.8	1814.3	1875.3	1930.5
22.5°	1312.1	1390.1	1460.8	1533.9	1597.8	1655.4	1714.7	1773.4	1835.2	1904.1	1973.3
25°	1275.6	1354.6	1429.6	1501.7	1566.2	1638.2	1701.6	1780.0	1859.1	1950.3	2036.3
27.5°	1237.7	1313.4	1382.1	1451.6	1526.9	1608.4	1690.7	1779.7	1883.1	1998.3	2119.6
30°	1207.0	1278.5	1345.3	1416.8	1495.2	1587.1	1677.1	1782.9	1902.6	2032.2	2176.3
32.5°	1171.2	1237.1	1302.1	1377.8	1463.2	1560.1	1665.1	1781.1	1924.9	2072.2	2220.5
35°	1110.0	1165.2	1232.0	1312.8	1409.3	1520.3	1641.7	1778.8	1943.9	2113.0	2237.9
37.5°	1037.3	1088.7	1159.2	1247.7	1348.8	1467.9	1612.1	1774.8	1950.1	2084.9	2125.2
40°	988.5	1036.1	1109.4	1201.2	1304.7	1430.7	1588.8	1760.8	1930.5	2016.5	1983.4
42.5°	936.4	986.4	1057.7	1148.7	1260.0	1397.3	1559.5	1731.6	1873.8	1906.3	1791.8
45°	854.3	905.9	976.3	1068.2	1187.8	1336.6	1505.7	1662.1	1744.0	1685.3	1508.0
47.5°	777.9	826.4	891.6	986.3	1109.8	1263.7	1426.6	1551.3	1557.8	1417.7	1228.4
50°	725.8	770.6	836.3	931.0	1053.6	1209.4	1356.3	1454.6	1410.4	1251.7	1069.9
52.5°	674.7	718.5	783.3	877.0	998.2	1141.0	1277.8	1346.7	1263.5	1100.7	945.3
55°	600.9	639.2	702.6	789.2	904.2	1036.7	1153.0	1176.8	1068.7	908.3	782.2
57.5°	528.8	564.6	622.2	702.0	807.2	924.5	1015.5	1010.4	896.1	758.5	658.4
60°	480.0	514.9	566.0	643.9	739.8	840.9	918.8	900.2	786.9	668.3	584.0
62.5°	436.4	467.4	515.8	583.9	671.4	765.1	829.1	801.6	690.6	586.9	520.4
65°	372.0	398.0	439.4	497.5	570.1	647.4	696.8	661.3	566.6	485.9	432.4
67.5°	310.5	331.4	366.0	412.3	474.3	536.4	566.5	530.8	455.0	396.1	356.5
70°	271.4	290.0	316.7	358.0	412.0	464.3	487.0	455.0	389.9	339.4	310.9
72.5°	232.3	247.7	271.1	308.2	351.5	396.9	416.8	386.2	332.8	290.1	263.5
75°	179.6	190.0	206.3	231.9	266.1	302.2	313.2	286.5	252.2	220.2	202.9
77.5°	128.5	137.4	149.7	165.8	190.1	213.0	222.7	207.2	180.7	160.5	146.2
80°	98.8	103.4	113.9	127.3	146.5	161.0	167.4	157.5	138.9	123.8	112.7
82.5°	70.4	75.1	81.4	92.4	104.6	114.5	121.3	114.7	101.3	89.4	83.0
85°	34.3	37.2	40.6	45.3	54.6	60.4	59.8	55.8	50.5	45.9	42.4
87.5°	12.8	13.8	15.6	18.3	20.2	22.5	23.8	23.2	21.8	20.8	19.6
90°	3.6	5.9	8.3	10.5	12.7	14.7	16.7	18.8	20.8	22.2	23.7
92.5°	33.1	34.7	36.2	37.9	40.0	42.4	44.9	47.4	49.9	51.7	53.6
95°	85.0	85.6	86.1	86.7	88.4	91.4	94.2	97.1	100.0	102.0	104.0
97.5°	140.4	140.7	140.9	141.2	143.3	147.2	151.3	155.2	159.2	161.1	163.0
100°	181.8	181.8	181.8	181.8	183.7	187.4	191.1	194.9	198.6	201.3	203.9
102.5°	227.6	228.8	229.9	231.1	232.6	234.5	236.4	238.3	240.2	243.1	245.9
105°	297.5	298.9	300.4	301.9	303.4	305.1	306.9	308.6	310.4	312.1	313.8
107.5°	374.4	375.8	377.3	378.7	380.1	381.4	382.7	384.1	385.4	386.2	387.1
110°	427.4	428.8	430.2	431.7	432.8	433.7	434.5	435.4	436.3	437.1	438.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	480.7	481.5	482.2	482.9	483.9	484.9	486.0	487.2	488.3	488.6	489.0
115°	560.9	562.0	563.1	564.3	565.2	565.8	566.3	566.9	567.5	567.1	566.9
117.5°	640.2	640.7	641.2	641.7	642.2	642.7	643.3	643.8	644.4	644.5	644.8
120°	691.0	692.4	693.9	695.3	696.1	696.5	696.7	697.0	697.3	697.3	697.3
122.5°	744.1	744.6	745.1	745.6	746.2	747.0	747.8	748.5	749.2	749.0	748.8
125°	818.5	820.3	822.0	823.7	824.8	825.0	825.3	825.6	825.9	825.3	824.8
127.5°	895.7	896.6	897.6	898.6	899.3	899.7	900.0	900.3	900.7	900.3	900.1
130°	942.9	944.3	945.7	947.2	948.2	948.8	949.3	949.9	950.5	950.2	949.9
132.5°	990.6	992.9	995.3	997.6	998.8	998.7	998.5	998.4	998.3	998.0	997.7
135°	1063.9	1065.7	1067.4	1069.1	1070.1	1070.4	1070.7	1071.0	1071.3	1071.3	1071.3
137.5°	1133.5	1135.1	1136.8	1138.5	1139.6	1140.3	1140.9	1141.5	1142.2	1142.5	1142.9
140°	1177.9	1179.3	1180.8	1182.2	1183.4	1184.2	1185.2	1186.0	1186.9	1187.4	1188.0
142.5°	1222.4	1223.6	1224.8	1226.0	1227.1	1228.2	1229.3	1230.5	1231.5	1231.8	1232.2
145°	1288.0	1289.2	1290.3	1291.5	1292.4	1293.3	1294.2	1295.0	1295.9	1295.9	1295.9
147.5°	1348.2	1348.8	1349.5	1350.1	1350.8	1351.5	1352.2	1352.9	1353.6	1354.3	1355.0
150°	1387.8	1387.6	1387.2	1387.0	1387.4	1388.5	1389.7	1390.9	1392.1	1392.1	1392.1
152.5°	1421.8	1422.2	1422.5	1423.0	1423.4	1423.9	1424.4	1424.8	1425.3	1426.0	1426.7
155°	1472.6	1472.6	1472.6	1472.6	1472.7	1473.0	1473.3	1473.5	1473.9	1475.0	1476.1
157.5°	1517.6	1517.0	1516.3	1515.7	1515.5	1515.8	1516.1	1516.4	1516.7	1517.9	1519.0
160°	1544.4	1543.5	1542.7	1541.8	1541.5	1541.8	1542.1	1542.4	1542.7	1543.8	1545.0
162.5°	1568.5	1567.9	1567.3	1566.6	1566.3	1566.3	1566.4	1566.5	1566.5	1568.0	1569.3
165°	1600.5	1599.9	1599.4	1598.8	1598.6	1599.0	1599.2	1599.5	1599.8	1600.9	1602.1
167.5°	1626.9	1625.8	1624.6	1623.5	1622.9	1622.9	1622.9	1622.9	1622.9	1624.6	1626.3
170°	1641.5	1640.3	1639.2	1638.1	1637.4	1637.4	1637.4	1637.4	1637.4	1639.2	1640.9
172.5°	1651.9	1650.7	1649.6	1648.4	1647.9	1647.9	1647.9	1647.9	1647.9	1649.6	1651.3
175°	1663.5	1662.4	1661.2	1660.1	1659.5	1659.5	1659.5	1659.5	1659.5	1661.2	1663.0
177.5°	1669.7	1668.9	1667.9	1667.0	1666.4	1666.2	1665.9	1665.7	1665.5	1666.9	1668.3
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1431.9	1435.6	1443.6	1440.7	1444.5	1446.3	1448.2
5°	1547.6	1566.2	1574.3	1573.1	1585.4	1582.4	1579.5
7.5°	1678.2	1697.7	1708.7	1722.3	1730.2	1730.7	1737.6
10°	1752.1	1777.7	1788.1	1802.7	1812.0	1817.2	1816.6
12.5°	1808.9	1828.9	1852.3	1859.4	1872.0	1878.5	1876.1
15°	1877.1	1909.0	1933.5	1945.6	1961.4	1966.0	1972.4
17.5°	1937.9	1980.8	2009.3	2047.2	2061.5	2070.2	2065.1
20°	1984.0	2040.4	2068.8	2114.2	2139.2	2152.5	2147.9
22.5°	2038.4	2099.4	2152.1	2191.3	2229.3	2247.4	2251.1
25°	2131.6	2215.3	2292.6	2344.3	2391.3	2402.4	2426.8
27.5°	2235.8	2334.4	2417.1	2471.4	2504.2	2516.5	2524.2
30°	2301.3	2399.5	2461.7	2496.6	2507.0	2505.9	2504.6
32.5°	2333.4	2394.9	2406.8	2397.0	2373.1	2352.9	2331.8
35°	2287.9	2242.0	2173.4	2085.1	2020.0	1954.4	1947.9
37.5°	2057.7	1910.9	1796.7	1669.2	1595.7	1550.2	1518.9
40°	1841.0	1674.2	1535.9	1428.4	1353.5	1323.8	1294.8
42.5°	1605.8	1446.5	1324.0	1234.1	1177.8	1144.9	1121.8
45°	1304.7	1164.0	1068.2	1003.1	958.3	932.7	918.2
47.5°	1069.0	965.0	883.6	836.6	805.7	785.8	785.9
50°	942.6	843.3	789.2	752.0	725.2	709.6	712.5
52.5°	830.5	756.3	710.2	679.0	659.3	649.6	649.3
55°	694.5	641.0	610.8	588.1	574.7	563.7	566.0
57.5°	594.0	549.0	528.7	509.9	500.6	496.2	489.7
60°	531.8	496.9	479.4	464.3	455.0	451.5	445.1
62.5°	476.4	449.0	432.0	419.7	411.3	410.2	405.2
65°	400.4	379.4	364.4	358.5	349.8	347.5	347.5
67.5°	330.1	315.1	303.3	298.0	294.2	294.7	292.0
70°	285.9	273.7	266.1	260.4	257.4	258.0	255.7
72.5°	250.1	236.5	229.9	226.4	222.6	224.1	223.2
75°	189.4	182.4	179.0	175.5	173.1	172.0	170.8
77.5°	139.1	132.9	130.3	128.3	128.6	125.9	128.1
80°	107.5	102.3	100.6	97.6	97.0	97.0	96.4
82.5°	78.7	75.8	74.5	72.1	71.0	72.0	70.4
85°	40.6	38.3	37.8	37.8	36.6	35.5	38.3
87.5°	19.9	18.3	18.6	18.3	18.4	18.2	17.4
90°	25.1	26.5	27.7	28.6	29.4	30.3	31.2
92.5°	55.5	57.5	58.7	59.4	60.0	60.6	61.3
95°	106.1	108.1	109.3	109.9	110.6	111.1	111.7
97.5°	164.9	166.8	168.0	168.3	168.7	169.0	169.4
100°	206.5	209.1	210.7	211.2	211.8	212.4	212.9
102.5°	248.7	251.5	253.4	254.2	254.9	255.8	256.6
105°	315.6	317.3	318.6	319.4	320.3	321.2	322.0
107.5°	388.0	388.8	389.3	389.2	389.2	389.1	389.0
110°	438.9	439.8	440.1	439.8	439.5	439.2	438.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	489.5	489.8	489.8	489.3	488.8	488.3	487.8
115°	566.6	566.3	566.0	565.8	565.4	565.2	564.9
117.5°	645.1	645.2	644.8	643.6	642.5	641.4	640.2
120°	697.3	697.3	696.7	695.6	694.4	693.3	692.2
122.5°	748.6	748.3	747.8	746.8	745.9	744.9	744.1
125°	824.1	823.5	823.1	822.9	822.5	822.3	822.0
127.5°	899.8	899.5	899.1	898.5	897.9	897.3	896.7
130°	949.7	949.3	948.9	948.4	947.8	947.2	946.7
132.5°	997.5	997.1	996.6	995.8	995.0	994.2	993.3
135°	1071.3	1071.3	1070.7	1069.5	1068.4	1067.2	1066.1
137.5°	1143.2	1143.6	1143.1	1141.6	1140.1	1138.7	1137.2
140°	1188.6	1189.1	1188.7	1187.3	1185.9	1184.4	1182.9
142.5°	1232.5	1233.0	1232.3	1230.9	1229.5	1228.0	1226.6
145°	1295.9	1295.9	1295.5	1294.6	1293.7	1292.9	1292.0
147.5°	1355.6	1356.3	1355.7	1353.8	1351.8	1349.9	1347.9
150°	1392.1	1392.1	1391.7	1391.1	1390.6	1390.0	1389.4
152.5°	1427.4	1428.1	1427.9	1426.8	1425.8	1424.8	1423.7
155°	1477.3	1478.4	1478.3	1476.9	1475.4	1473.9	1472.6
157.5°	1520.2	1521.3	1521.0	1519.0	1517.1	1515.2	1513.3
160°	1546.1	1547.3	1547.1	1545.7	1544.2	1542.8	1541.4
162.5°	1570.7	1572.1	1571.9	1570.3	1568.6	1566.9	1565.2
165°	1603.3	1604.4	1604.1	1602.4	1600.7	1599.0	1597.2
167.5°	1628.1	1629.8	1629.8	1628.0	1626.3	1624.4	1622.6
170°	1642.6	1644.3	1644.3	1642.2	1640.2	1638.1	1636.2
172.5°	1653.0	1654.8	1654.8	1652.9	1651.1	1649.3	1647.6
175°	1664.7	1666.5	1666.3	1664.3	1662.2	1660.3	1658.2
177.5°	1669.7	1671.0	1670.9	1669.3	1667.7	1666.0	1664.5
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6

(END OF REPORT)