

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: P333635-830

Luminaire Tested: **S125RDIP-S1270D1205U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333635-830  
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: S125RDIP-S1270D1205U830-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

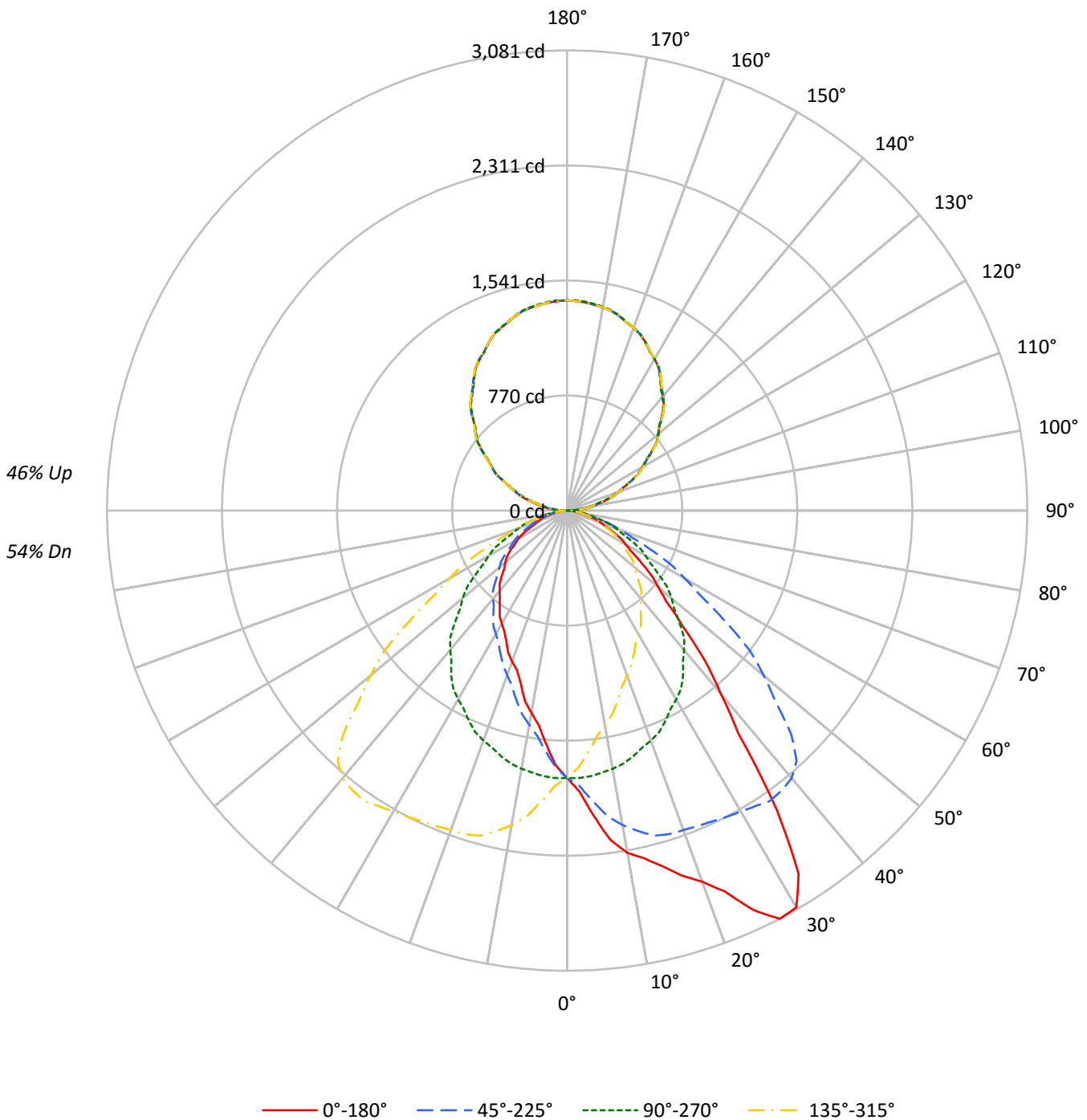
Lumens per Lamp: N/A  
Luminaire Lumens: 8567.5 lumens  
Efficiency: N/A  
Efficacy: 119.5 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 71.7  
Input Voltage (V): 120  
Input Current (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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	91	88	92	88	85	82	76	73	71	64	63	61	54	53	52	47
2	91	83	78	73	84	78	73	68	67	63	60	57	54	52	48	46	44	40
3	83	74	67	61	77	69	62	57	59	55	51	51	47	44	43	40	38	34
4	76	65	58	52	70	61	54	49	53	48	44	45	41	38	38	35	33	30
5	70	58	51	45	65	55	48	42	48	42	38	41	37	33	35	31	29	26
6	65	53	45	39	60	49	42	37	43	37	33	37	33	29	32	28	26	23
7	60	48	40	34	55	45	38	32	39	33	29	34	29	26	29	25	23	20
8	55	43	36	30	51	41	34	29	36	30	26	31	26	23	27	23	20	18
9	52	40	32	27	48	37	30	26	33	27	23	28	24	21	24	21	19	16
10	48	36	29	24	45	34	28	23	30	25	21	26	22	19	23	19	17	15

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

	0°	90°	180°	270°
0°	11559	11559	11559	11559
5°	13299	11575	10222	11575
10°	15255	11516	9020	11516
15°	16477	11397	8017	11397
20°	18168	11260	7403	11260
25°	21026	11078	6869	11078
30°	22881	10887	6520	10887
35°	19301	10664	6199	10664
40°	13478	10264	5922	10264
45°	9999	9724	5650	9724
50°	7973	9161	5419	9161
55°	6767	8463	5212	8463
60°	5846	7839	4879	7839
65°	5210	7163	4199	7163
70°	4577	6562	3828	6562
75°	3960	5682	3593	5682
80°	3005	4783	3005	4783
85°	2505	3757	2831	3757



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.6	2.0
10°-20°	503.0	5.9
20°-30°	797.5	9.3
30°-40°	961.7	11.2
40°-50°	858.8	10.0
50°-60°	658.6	7.7
60°-70°	428.0	5.0
70°-80°	208.1	2.4
80°-90°	52.7	0.6
90°-100°	94.3	1.1
100°-110°	278.4	3.2
110°-120°	471.5	5.5
120°-130°	620.5	7.2
130°-140°	695.3	8.1
140°-150°	681.4	8.0
150°-160°	572.4	6.7
160°-170°	380.5	4.4
170°-180°	133.1	1.6
0°-30°	1472.1	17.2
0°-40°	2433.8	28.4
0°-60°	3951.3	46.1
0°-90°	4640.1	54.2
90°-120°	844.1	9.9
90°-150°	2841.4	33.2
90°-180°	3927.0	45.8
0°-180°	8567.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1790	1790	1790	1790	1790	
5°	2051	1785	1577	1785	2051	205
15°	2464	1705	1199	1705	2464	706
25°	2951	1555	964	1555	2951	1355
35°	2448	1353	786	1353	2448	1479
45°	1095	1065	619	1065	1095	874
55°	601	752	463	752	601	545
65°	341	469	275	469	341	339
75°	159	228	144	228	159	169
85°	34	51	38	51	34	40
90°	26	1	26	1	26	17
95°	94	71	94	71	94	96
105°	272	250	272	250	272	288
115°	476	472	476	472	476	471
125°	693	689	693	689	693	619
135°	899	896	899	896	899	694
145°	1090	1085	1090	1085	1090	680
155°	1242	1242	1242	1242	1242	572
165°	1347	1350	1347	1350	1347	380
175°	1399	1404	1399	1404	1399	133
180°	1407	1407	1407	1407	1407	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1882.6	1881.5	1883.9	1877.4	1877.9	1867.9	1867.9	1860.3	1850.3	1842.7	1839.2
5°	2051.3	2052.9	2049.8	2038.8	2031.6	2020.5	2008.0	1985.9	1967.6	1949.9	1936.0
7.5°	2225.1	2226.1	2216.4	2213.0	2194.4	2180.9	2153.1	2123.2	2096.6	2062.8	2036.9
10°	2326.1	2325.4	2315.1	2307.1	2290.8	2270.3	2243.2	2207.8	2174.8	2138.1	2102.8
12.5°	2384.9	2383.0	2379.7	2369.9	2354.9	2336.8	2313.7	2279.0	2238.3	2198.0	2156.8
15°	2464.3	2459.1	2449.6	2437.0	2415.7	2394.4	2368.7	2337.9	2299.0	2253.4	2215.2
17.5°	2562.4	2562.6	2547.9	2530.5	2501.6	2464.0	2424.3	2374.5	2321.6	2271.4	2230.8
20°	2643.5	2641.3	2626.7	2592.8	2559.8	2512.7	2467.2	2406.2	2341.6	2276.1	2225.4
22.5°	2760.0	2754.2	2738.9	2694.5	2643.3	2582.7	2513.0	2438.5	2360.4	2286.1	2219.6
25°	2950.6	2946.2	2916.1	2864.7	2792.7	2699.3	2608.3	2506.1	2393.8	2296.0	2215.2
27.5°	3081.2	3076.3	3053.9	3011.2	2944.8	2846.6	2723.3	2586.8	2446.5	2312.1	2195.5
30°	3068.2	3079.2	3076.3	3056.5	3006.5	2918.3	2804.4	2650.9	2484.1	2326.1	2187.3
32.5°	2883.6	2893.5	2919.3	2958.3	2961.2	2925.9	2840.9	2699.1	2526.4	2346.7	2180.8
35°	2448.1	2461.4	2511.3	2589.9	2692.7	2778.7	2796.3	2720.0	2564.9	2371.7	2171.1
37.5°	1882.1	1954.4	1996.4	2079.2	2234.6	2392.7	2544.8	2600.8	2534.8	2361.4	2155.4
40°	1598.7	1616.4	1691.3	1784.6	1915.4	2080.0	2296.8	2453.2	2458.3	2337.9	2130.7
42.5°	1368.4	1390.7	1442.1	1516.6	1628.6	1793.2	2016.9	2223.5	2319.1	2273.2	2098.4
45°	1094.8	1111.6	1149.1	1206.5	1292.4	1428.3	1620.8	1859.5	2049.2	2123.4	2011.7
47.5°	899.3	908.4	941.0	984.7	1048.3	1147.4	1296.4	1503.6	1731.0	1890.5	1874.7
50°	793.5	803.8	828.8	861.9	915.5	999.2	1118.2	1290.9	1525.3	1720.0	1759.0
52.5°	711.2	719.7	735.3	766.6	810.9	875.2	971.3	1127.5	1338.4	1545.4	1635.5
55°	601.0	606.9	619.3	637.0	672.3	718.6	801.5	909.6	1080.1	1288.7	1421.0
57.5°	510.2	513.1	521.0	537.3	561.8	595.6	655.5	747.1	869.3	1057.2	1203.2
60°	452.6	455.5	465.8	476.8	496.0	526.8	573.8	637.7	755.3	910.3	1058.0
62.5°	406.7	408.5	412.9	424.0	440.7	464.5	501.5	553.6	647.1	783.3	922.8
65°	340.9	341.7	343.1	351.9	362.2	379.8	404.1	440.8	511.3	614.3	737.6
67.5°	277.8	278.7	283.9	287.0	297.7	307.0	321.2	349.3	399.0	468.3	564.3
70°	242.4	241.8	246.9	250.5	254.2	265.2	274.8	297.6	328.4	381.4	461.4
72.5°	209.5	207.6	209.8	211.1	216.0	223.5	233.1	247.0	270.8	307.3	368.5
75°	158.7	159.5	159.5	160.9	164.6	167.5	170.4	177.8	191.1	215.3	248.4
77.5°	111.4	110.2	113.3	113.8	115.9	119.1	121.7	124.6	130.1	140.1	157.1
80°	80.8	80.8	81.5	83.8	83.0	84.5	88.1	91.1	97.7	103.6	109.4
82.5°	62.0	61.5	62.1	62.6	62.5	63.9	65.2	65.8	68.3	71.3	75.4
85°	33.8	33.8	34.5	34.5	35.3	35.3	36.0	36.0	36.0	36.8	37.5
87.5°	18.2	17.4	16.7	16.6	17.1	18.0	17.2	16.3	16.1	15.8	16.1
90°	26.3	25.5	24.8	24.1	23.4	22.4	21.2	20.0	18.8	17.5	15.8
92.5°	51.7	51.2	50.6	50.0	49.6	48.4	46.8	45.2	43.6	42.0	40.0
95°	94.2	93.7	93.2	92.7	92.3	91.1	89.4	87.8	86.1	84.4	81.9
97.5°	142.8	142.5	142.2	141.9	141.7	140.7	139.1	137.5	135.9	134.3	130.9
100°	179.6	179.2	178.6	178.1	177.7	176.3	174.2	171.9	169.8	167.6	164.4
102.5°	216.4	215.7	215.1	214.4	213.7	212.2	209.8	207.4	205.0	202.6	201.0
105°	271.6	270.9	270.1	269.5	268.7	267.6	266.2	264.7	263.3	261.7	260.3
107.5°	328.1	328.2	328.3	328.3	328.4	328.0	327.3	326.5	325.8	325.1	324.0
110°	370.2	370.4	370.7	370.9	371.2	370.9	370.2	369.5	368.7	368.0	367.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	411.4	411.8	412.3	412.7	413.1	413.2	412.8	412.6	412.2	411.8	410.9
115°	476.5	476.6	476.9	477.2	477.4	477.7	477.9	478.2	478.4	478.6	478.2
117.5°	540.0	540.9	542.0	542.9	543.8	544.2	544.0	543.8	543.7	543.5	543.0
120°	583.8	584.8	585.7	586.7	587.7	588.1	588.1	588.1	588.1	588.1	588.0
122.5°	627.6	628.4	629.1	629.9	630.7	631.2	631.4	631.6	631.8	632.0	631.3
125°	693.3	693.5	693.8	694.1	694.3	694.7	695.1	695.6	696.1	696.6	696.4
127.5°	756.4	756.9	757.3	757.9	758.4	758.7	758.9	759.2	759.4	759.7	759.4
130°	798.4	798.9	799.5	799.9	800.4	800.8	801.0	801.3	801.5	801.7	801.3
132.5°	837.9	838.6	839.2	839.9	840.7	841.0	841.3	841.6	841.8	842.1	842.2
135°	899.2	900.2	901.2	902.1	903.1	903.6	903.6	903.6	903.6	903.6	903.3
137.5°	959.2	960.5	961.7	962.9	964.1	964.6	964.3	964.0	963.7	963.4	962.9
140°	997.8	999.0	1000.2	1001.5	1002.7	1003.1	1002.6	1002.0	1001.5	1001.1	1000.3
142.5°	1034.6	1035.9	1037.1	1038.2	1039.4	1039.9	1039.6	1039.3	1039.1	1038.8	1037.8
145°	1089.8	1090.5	1091.3	1092.0	1092.7	1093.1	1093.1	1093.1	1093.1	1093.1	1092.3
147.5°	1136.9	1138.6	1140.2	1141.9	1143.5	1144.1	1143.5	1142.9	1142.3	1141.7	1141.1
150°	1172.0	1172.4	1172.9	1173.4	1173.9	1174.1	1174.1	1174.1	1174.1	1174.1	1173.2
152.5°	1200.9	1201.7	1202.6	1203.5	1204.4	1204.5	1203.9	1203.3	1202.8	1202.2	1201.8
155°	1242.1	1243.3	1244.4	1245.7	1246.9	1247.1	1246.0	1245.1	1244.2	1243.1	1242.9
157.5°	1276.5	1278.1	1279.7	1281.3	1282.9	1283.2	1282.2	1281.2	1280.3	1279.3	1279.0
160°	1300.1	1301.3	1302.5	1303.7	1305.0	1305.0	1304.1	1303.2	1302.1	1301.2	1301.0
162.5°	1320.2	1321.6	1323.0	1324.5	1325.9	1326.1	1324.8	1323.7	1322.5	1321.4	1321.3
165°	1347.2	1348.7	1350.1	1351.6	1353.0	1353.3	1352.3	1351.3	1350.4	1349.3	1349.2
167.5°	1368.7	1370.2	1371.7	1373.2	1374.7	1374.7	1373.3	1371.8	1370.4	1368.9	1368.9
170°	1380.1	1381.8	1383.5	1385.2	1386.9	1387.0	1385.5	1384.0	1382.6	1381.1	1381.1
172.5°	1389.7	1391.2	1392.7	1394.2	1395.7	1395.7	1394.3	1392.8	1391.4	1389.9	1389.9
175°	1398.6	1400.3	1402.1	1403.8	1405.5	1405.6	1404.1	1402.7	1401.2	1399.8	1399.8
177.5°	1403.9	1405.3	1406.7	1408.1	1409.4	1409.5	1408.3	1407.1	1406.0	1404.8	1405.0
180°	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1839.2	1835.0	1827.4	1820.3	1811.6	1803.9	1798.6	1792.2	1784.0	1774.0	1765.7
5°	1920.5	1904.4	1883.1	1864.7	1841.3	1822.9	1803.7	1785.4	1767.0	1743.5	1723.0
7.5°	2010.8	1977.5	1944.9	1904.1	1867.1	1834.0	1802.2	1770.1	1738.6	1705.2	1673.1
10°	2066.1	2025.6	1980.8	1929.4	1882.4	1837.6	1796.4	1756.0	1713.4	1675.9	1635.5
12.5°	2117.8	2065.6	2014.3	1949.4	1892.9	1838.1	1785.8	1735.4	1689.9	1641.2	1597.9
15°	2164.5	2113.1	2055.8	1976.4	1897.8	1831.6	1769.9	1704.6	1647.9	1593.7	1545.1
17.5°	2182.6	2128.6	2062.1	1985.8	1899.9	1816.7	1737.2	1665.5	1598.9	1535.6	1481.0
20°	2175.5	2123.4	2055.0	1982.3	1890.5	1803.7	1717.8	1638.4	1564.2	1497.3	1439.4
22.5°	2158.5	2104.5	2038.5	1961.7	1874.5	1782.6	1690.7	1606.1	1528.3	1459.2	1395.8
25°	2132.9	2059.5	1991.9	1916.8	1833.9	1742.8	1647.9	1554.6	1471.7	1401.1	1332.1
27.5°	2106.3	2014.6	1928.6	1854.2	1766.4	1685.2	1593.7	1498.1	1410.8	1339.0	1268.1
30°	2082.2	1979.3	1884.5	1800.1	1717.0	1639.9	1553.2	1459.9	1370.3	1296.1	1224.1
32.5°	2052.2	1942.9	1838.7	1741.3	1661.2	1584.7	1506.2	1417.0	1329.7	1253.1	1180.0
35°	2014.6	1875.0	1761.9	1658.3	1569.3	1495.2	1424.7	1352.6	1265.2	1185.8	1114.6
37.5°	1965.2	1806.9	1675.9	1563.0	1469.3	1394.8	1339.1	1273.3	1193.4	1117.5	1051.4
40°	1935.2	1757.5	1614.2	1502.5	1404.0	1325.4	1273.3	1217.5	1144.7	1073.5	1007.3
42.5°	1895.3	1712.2	1551.9	1435.5	1336.4	1260.7	1208.1	1159.2	1098.3	1031.1	960.3
45°	1816.9	1624.5	1456.2	1331.3	1231.4	1157.2	1108.0	1064.6	1018.3	956.6	894.8
47.5°	1715.0	1533.0	1356.9	1220.5	1122.7	1053.8	1006.0	971.8	938.7	886.2	826.2
50°	1633.3	1457.7	1285.7	1153.5	1049.1	983.8	939.0	911.8	881.7	833.9	783.9
52.5°	1536.9	1380.1	1211.7	1076.5	978.1	916.8	873.7	846.6	821.7	782.8	735.2
55°	1385.0	1247.5	1093.3	970.5	880.2	818.5	777.3	751.6	737.0	703.9	666.4
57.5°	1209.7	1111.2	975.2	856.9	776.9	716.0	685.8	663.9	647.3	624.0	597.5
60°	1087.4	1018.3	896.4	783.9	710.5	652.4	625.3	606.9	591.4	571.7	551.0
62.5°	963.4	913.1	807.0	710.5	642.9	594.3	568.8	552.2	534.4	521.0	501.1
65°	797.2	752.3	678.9	603.2	540.7	501.8	483.4	468.7	457.7	443.0	429.0
67.5°	620.1	601.9	551.2	499.0	454.2	419.5	403.7	393.4	380.1	371.4	361.7
70°	511.3	502.6	466.6	432.1	390.1	366.6	351.9	347.5	331.4	322.5	315.9
72.5°	415.0	410.9	390.1	366.2	336.7	316.0	302.6	297.6	287.3	280.2	276.0
75°	284.4	285.8	282.1	266.7	255.7	242.4	230.7	227.7	220.5	214.5	210.8
77.5°	179.8	187.4	187.7	186.9	182.5	174.5	169.6	167.4	160.1	158.0	157.1
80°	123.5	131.5	138.8	138.1	136.7	134.5	130.8	128.6	124.9	122.7	121.2
82.5°	82.3	89.8	96.0	99.9	99.6	97.5	94.9	93.9	93.1	91.5	91.2
85°	38.9	40.4	42.6	47.8	51.5	52.1	51.5	50.7	48.4	49.2	50.0
87.5°	16.3	16.0	16.2	15.9	14.9	17.4	18.9	19.0	18.3	17.4	16.7
90°	14.1	12.4	10.7	8.9	7.0	5.0	3.0	1.1	3.0	5.0	7.0
92.5°	37.9	35.8	33.6	32.0	30.6	29.2	27.9	26.5	27.9	29.2	30.6
95°	79.5	77.0	74.6	73.1	72.7	72.2	71.6	71.2	71.6	72.2	72.7
97.5°	127.5	124.2	120.8	119.0	118.9	118.7	118.5	118.3	118.5	118.7	118.9
100°	161.3	158.1	155.0	153.4	153.4	153.4	153.4	153.4	153.4	153.4	153.4
102.5°	199.4	197.8	196.2	194.9	194.0	192.9	192.0	191.1	192.0	192.9	194.0
105°	258.8	257.4	255.9	254.6	253.4	252.1	250.9	249.7	250.9	252.1	253.4
107.5°	322.8	321.7	320.6	319.4	318.2	317.0	315.8	314.5	315.8	317.0	318.2
110°	366.6	365.8	365.0	364.1	362.9	361.7	360.4	359.3	360.4	361.7	362.9





TEST NUMBER: P333635-830

CATALOG NUMBER: S125RDIP-S1270D1205U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	410.0	409.1	408.1	407.4	406.7	406.0	405.5	404.8	405.5	406.0	406.7
115°	477.7	477.2	476.6	476.0	474.9	474.0	473.1	472.0	473.1	474.0	474.9
117.5°	542.6	542.2	541.7	541.3	540.8	540.5	540.0	539.5	540.0	540.5	540.8
120°	587.7	587.4	587.2	586.4	585.2	584.0	582.8	581.5	582.8	584.0	585.2
122.5°	630.7	630.1	629.4	628.9	628.5	628.0	627.6	627.2	627.6	628.0	628.5
125°	696.1	695.9	695.6	694.7	693.3	691.8	690.4	688.9	690.4	691.8	693.3
127.5°	759.1	758.8	758.6	758.0	757.1	756.3	755.4	754.7	755.4	756.3	757.1
130°	800.8	800.3	799.8	798.9	797.8	796.5	795.3	794.1	795.3	796.5	797.8
132.5°	842.3	842.4	842.4	841.5	839.5	837.5	835.5	833.5	835.5	837.5	839.5
135°	903.1	902.9	902.7	901.8	900.3	898.9	897.4	896.0	897.4	898.9	900.3
137.5°	962.3	961.8	961.3	960.3	958.8	957.4	956.0	954.6	956.0	957.4	958.8
140°	999.7	998.9	998.2	997.2	996.0	994.8	993.5	992.3	993.5	994.8	996.0
142.5°	1036.9	1035.9	1035.1	1034.1	1033.0	1032.1	1031.0	1030.0	1031.0	1032.1	1033.0
145°	1091.7	1090.9	1090.1	1089.3	1088.4	1087.4	1086.4	1085.4	1086.4	1087.4	1088.4
147.5°	1140.6	1140.0	1139.3	1138.8	1138.3	1137.7	1137.2	1136.7	1137.2	1137.7	1138.3
150°	1172.1	1171.2	1170.3	1169.9	1170.2	1170.4	1170.6	1170.8	1170.6	1170.4	1170.2
152.5°	1201.4	1201.0	1200.6	1200.2	1200.0	1199.6	1199.2	1198.9	1199.2	1199.6	1200.0
155°	1242.6	1242.5	1242.2	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1
157.5°	1278.8	1278.6	1278.3	1278.5	1279.0	1279.5	1280.1	1280.6	1280.1	1279.5	1279.0
160°	1300.7	1300.4	1300.2	1300.4	1301.2	1301.9	1302.7	1303.3	1302.7	1301.9	1301.2
162.5°	1321.3	1321.2	1321.2	1321.4	1321.9	1322.5	1323.0	1323.5	1323.0	1322.5	1321.9
165°	1348.9	1348.7	1348.4	1348.5	1349.1	1349.5	1350.0	1350.5	1350.0	1349.5	1349.1
167.5°	1368.9	1368.9	1368.9	1369.3	1370.4	1371.3	1372.2	1373.3	1372.2	1371.3	1370.4
170°	1381.1	1381.1	1381.1	1381.7	1382.6	1383.6	1384.6	1385.5	1384.6	1383.6	1382.6
172.5°	1389.9	1389.9	1389.9	1390.4	1391.4	1392.3	1393.4	1394.3	1393.4	1392.3	1391.4
175°	1399.8	1399.8	1399.8	1400.2	1401.2	1402.2	1403.2	1404.1	1403.2	1402.2	1401.2
177.5°	1405.2	1405.4	1405.6	1406.1	1406.8	1407.6	1408.4	1409.2	1408.4	1407.6	1406.8
180°	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1759.8	1751.6	1745.7	1733.9	1725.7	1722.2	1715.7	1713.9	1720.4	1715.7	1715.1
5°	1707.5	1686.2	1669.3	1652.4	1634.0	1622.3	1604.7	1601.7	1597.3	1590.6	1589.2
7.5°	1644.7	1617.0	1595.3	1567.4	1543.0	1523.5	1501.5	1491.0	1485.4	1476.8	1465.4
10°	1602.4	1569.3	1540.0	1512.0	1482.0	1457.7	1435.7	1418.7	1407.7	1397.4	1393.1
12.5°	1560.7	1527.0	1489.4	1455.7	1422.0	1394.8	1370.4	1359.4	1347.2	1335.1	1324.8
15°	1495.9	1451.0	1409.9	1371.0	1342.4	1313.0	1289.4	1273.3	1254.9	1249.8	1229.9
17.5°	1427.1	1383.2	1335.0	1294.0	1260.7	1228.4	1202.6	1184.2	1170.4	1151.5	1142.4
20°	1384.2	1332.1	1285.1	1247.5	1210.8	1172.6	1146.1	1130.8	1117.5	1102.1	1094.8
22.5°	1338.4	1287.4	1239.2	1195.2	1157.9	1120.3	1101.5	1085.5	1070.4	1056.2	1046.5
25°	1271.1	1219.7	1168.9	1123.4	1084.5	1057.2	1035.2	1016.8	1008.8	994.9	984.5
27.5°	1204.5	1149.8	1097.2	1051.8	1021.2	994.4	976.3	961.8	947.2	935.0	926.0
30°	1161.6	1105.8	1048.5	1012.5	980.1	954.4	934.5	920.6	909.6	898.5	891.9
32.5°	1118.7	1061.1	1010.2	971.3	940.8	918.5	898.1	884.8	873.2	860.9	853.2
35°	1049.9	991.2	950.0	911.8	881.7	861.1	847.2	828.0	818.5	809.6	801.5
37.5°	986.0	931.3	886.8	853.3	827.2	806.7	788.6	778.4	766.6	758.7	752.0
40°	939.0	889.0	848.6	813.3	794.3	771.5	754.6	741.3	732.5	722.3	714.9
42.5°	896.6	850.3	811.0	779.3	755.4	736.2	719.9	706.6	695.5	688.2	681.9
45°	836.9	790.6	752.3	722.9	701.0	682.6	665.6	659.0	644.3	635.6	632.6
47.5°	775.0	733.6	696.6	669.6	647.0	629.6	613.8	600.3	592.2	583.5	578.8
50°	733.3	693.6	659.0	632.6	610.6	591.4	576.7	568.0	556.9	548.8	543.0
52.5°	691.5	654.8	620.3	594.9	575.9	556.8	540.4	531.5	521.0	515.9	511.8
55°	631.9	593.0	563.5	538.6	518.7	501.1	485.7	476.8	470.2	465.1	463.6
57.5°	564.3	533.4	506.1	483.6	463.0	446.4	432.9	424.5	418.7	417.9	413.5
60°	520.2	492.3	467.3	443.0	425.4	410.0	398.2	388.7	382.8	382.0	380.6
62.5°	476.1	449.3	426.1	404.8	389.0	374.1	363.0	352.2	348.7	345.1	341.8
65°	410.7	386.4	367.4	350.4	333.6	321.0	310.1	303.4	295.4	291.0	282.9
67.5°	346.5	327.7	309.3	295.1	281.8	269.9	260.8	251.0	245.5	242.0	236.1
70°	304.2	289.5	271.1	255.7	245.4	235.8	228.5	217.4	213.8	210.8	207.9
72.5°	264.2	251.3	235.8	223.4	213.1	204.1	195.6	190.4	186.8	183.8	182.1
75°	207.9	195.5	182.2	173.4	166.1	158.7	154.3	150.6	149.1	148.5	145.4
77.5°	152.7	146.1	135.4	128.5	123.6	120.6	116.7	114.8	114.6	111.4	110.4
80°	116.8	113.1	104.3	101.4	97.7	94.8	92.6	88.9	85.2	83.8	81.5
82.5°	86.8	83.1	79.6	74.9	71.8	70.1	67.9	66.5	67.0	64.9	63.9
85°	46.3	42.6	41.2	40.4	38.9	40.4	39.7	38.9	38.2	37.5	38.2
87.5°	16.5	16.9	16.6	18.1	16.7	17.6	17.8	17.5	17.7	18.0	17.6
90°	8.9	10.7	12.4	14.1	15.8	17.5	18.8	20.0	21.2	22.4	23.4
92.5°	32.0	33.6	35.8	37.9	40.0	42.0	43.6	45.2	46.8	48.4	49.6
95°	73.1	74.6	77.0	79.5	81.9	84.4	86.1	87.8	89.4	91.1	92.3
97.5°	119.0	120.8	124.2	127.5	130.9	134.3	135.9	137.5	139.1	140.7	141.7
100°	153.4	155.0	158.1	161.3	164.4	167.6	169.8	171.9	174.2	176.3	177.7
102.5°	194.9	196.2	197.8	199.4	201.0	202.6	205.0	207.4	209.8	212.2	213.7
105°	254.6	255.9	257.4	258.8	260.3	261.7	263.3	264.7	266.2	267.6	268.7
107.5°	319.4	320.6	321.7	322.8	324.0	325.1	325.8	326.5	327.3	328.0	328.4
110°	364.1	365.0	365.8	366.6	367.3	368.0	368.7	369.5	370.2	370.9	371.2



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	407.4	408.1	409.1	410.0	410.9	411.8	412.2	412.6	412.8	413.2	413.1
115°	476.0	476.6	477.2	477.7	478.2	478.6	478.4	478.2	477.9	477.7	477.4
117.5°	541.3	541.7	542.2	542.6	543.0	543.5	543.7	543.8	544.0	544.2	543.8
120°	586.4	587.2	587.4	587.7	588.0	588.1	588.1	588.1	588.1	588.1	587.7
122.5°	628.9	629.4	630.1	630.7	631.3	632.0	631.8	631.6	631.4	631.2	630.7
125°	694.7	695.6	695.9	696.1	696.4	696.6	696.1	695.6	695.1	694.7	694.3
127.5°	758.0	758.6	758.8	759.1	759.4	759.7	759.4	759.2	758.9	758.7	758.4
130°	798.9	799.8	800.3	800.8	801.3	801.7	801.5	801.3	801.0	800.8	800.4
132.5°	841.5	842.4	842.4	842.3	842.2	842.1	841.8	841.6	841.3	841.0	840.7
135°	901.8	902.7	902.9	903.1	903.3	903.6	903.6	903.6	903.6	903.6	903.1
137.5°	960.3	961.3	961.8	962.3	962.9	963.4	963.7	964.0	964.3	964.6	964.1
140°	997.2	998.2	998.9	999.7	1000.3	1001.1	1001.5	1002.0	1002.6	1003.1	1002.7
142.5°	1034.1	1035.1	1035.9	1036.9	1037.8	1038.8	1039.1	1039.3	1039.6	1039.9	1039.4
145°	1089.3	1090.1	1090.9	1091.7	1092.3	1093.1	1093.1	1093.1	1093.1	1093.1	1092.7
147.5°	1138.8	1139.3	1140.0	1140.6	1141.1	1141.7	1142.3	1142.9	1143.5	1144.1	1143.5
150°	1169.9	1170.3	1171.2	1172.1	1173.2	1174.1	1174.1	1174.1	1174.1	1174.1	1173.9
152.5°	1200.2	1200.6	1201.0	1201.4	1201.8	1202.2	1202.8	1203.3	1203.9	1204.5	1204.4
155°	1242.1	1242.2	1242.5	1242.6	1242.9	1243.1	1244.2	1245.1	1246.0	1247.1	1246.9
157.5°	1278.5	1278.3	1278.6	1278.8	1279.0	1279.3	1280.3	1281.2	1282.2	1283.2	1282.9
160°	1300.4	1300.2	1300.4	1300.7	1301.0	1301.2	1302.1	1303.2	1304.1	1305.0	1305.0
162.5°	1321.4	1321.2	1321.2	1321.3	1321.3	1321.4	1322.5	1323.7	1324.8	1326.1	1325.9
165°	1348.5	1348.4	1348.7	1348.9	1349.2	1349.3	1350.4	1351.3	1352.3	1353.3	1353.0
167.5°	1369.3	1368.9	1368.9	1368.9	1368.9	1368.9	1370.4	1371.8	1373.3	1374.7	1374.7
170°	1381.7	1381.1	1381.1	1381.1	1381.1	1381.1	1382.6	1384.0	1385.5	1387.0	1386.9
172.5°	1390.4	1389.9	1389.9	1389.9	1389.9	1389.9	1391.4	1392.8	1394.3	1395.7	1395.7
175°	1400.2	1399.8	1399.8	1399.8	1399.8	1399.8	1401.2	1402.7	1404.1	1405.6	1405.5
177.5°	1406.1	1405.6	1405.4	1405.2	1405.0	1404.8	1406.0	1407.1	1408.3	1409.5	1409.4
180°	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4



TEST NUMBER: P333635-830

CATALOG NUMBER: S125RDIP-S1270D1205U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1714.6	1708.1	1706.3	1708.6	1706.3	1708.1	1714.6	1715.1	1715.7	1720.4	1713.9
5°	1581.9	1574.5	1578.2	1576.7	1578.2	1574.5	1581.9	1589.2	1590.6	1597.3	1601.7
7.5°	1465.2	1456.0	1446.3	1449.4	1446.3	1456.0	1465.2	1465.4	1476.8	1485.4	1491.0
10°	1383.5	1376.1	1371.7	1375.4	1371.7	1376.1	1383.5	1393.1	1397.4	1407.7	1418.7
12.5°	1314.8	1310.3	1306.5	1304.9	1306.5	1310.3	1314.8	1324.8	1335.1	1347.2	1359.4
15°	1221.1	1212.3	1208.6	1199.1	1208.6	1212.3	1221.1	1229.9	1249.8	1254.9	1273.3
17.5°	1134.8	1131.9	1122.4	1118.2	1122.4	1131.9	1134.8	1142.4	1151.5	1170.4	1184.2
20°	1083.7	1080.8	1071.2	1077.1	1071.2	1080.8	1083.7	1094.8	1102.1	1117.5	1130.8
22.5°	1041.4	1034.9	1031.8	1030.1	1031.8	1034.9	1041.4	1046.5	1056.2	1070.4	1085.5
25°	981.6	972.0	968.4	963.9	968.4	972.0	981.6	984.5	994.9	1008.8	1016.8
27.5°	921.9	916.8	911.9	910.8	911.9	916.8	921.9	926.0	935.0	947.2	961.8
30°	883.2	878.0	874.3	874.3	874.3	878.0	883.2	891.9	898.5	909.6	920.6
32.5°	848.5	844.5	840.8	840.3	840.8	844.5	848.5	853.2	860.9	873.2	884.8
35°	798.0	792.0	790.6	786.2	790.6	792.0	798.0	801.5	809.6	818.5	828.0
37.5°	745.5	740.6	740.5	740.0	740.5	740.6	745.5	752.0	758.7	766.6	778.4
40°	711.9	708.2	707.6	702.4	707.6	708.2	711.9	714.9	722.3	732.5	741.3
42.5°	676.1	674.2	671.7	669.5	671.7	674.2	676.1	681.9	688.2	695.5	706.6
45°	627.5	622.3	622.3	618.6	622.3	622.3	627.5	632.6	635.6	644.3	659.0
47.5°	577.2	573.3	573.6	569.9	573.6	573.3	577.2	578.8	583.5	592.2	600.3
50°	543.7	541.5	540.7	539.3	540.7	541.5	543.7	543.0	548.8	556.9	568.0
52.5°	510.2	509.2	512.0	508.7	512.0	509.2	510.2	511.8	515.9	521.0	531.5
55°	465.1	462.9	467.3	462.9	467.3	462.9	465.1	463.6	465.1	470.2	476.8
57.5°	413.2	411.1	415.1	412.9	415.1	411.1	413.2	413.5	417.9	418.7	424.5
60°	379.1	374.8	376.9	377.7	376.9	374.8	379.1	380.6	382.0	382.8	388.7
62.5°	338.6	335.9	337.5	334.1	337.5	335.9	338.6	341.8	345.1	348.7	352.2
65°	281.4	279.2	276.3	274.8	276.3	279.2	281.4	282.9	291.0	295.4	303.4
67.5°	236.4	231.1	231.0	232.1	231.0	231.1	236.4	236.1	242.0	245.5	251.0
70°	203.5	203.5	202.7	202.7	202.7	203.5	203.5	207.9	210.8	213.8	217.4
72.5°	180.6	180.0	178.7	178.1	178.7	180.0	180.6	182.1	183.8	186.8	190.4
75°	145.4	146.2	144.8	144.0	144.8	146.2	145.4	145.4	148.5	149.1	150.6
77.5°	107.4	104.3	105.9	104.3	105.9	104.3	107.4	110.4	111.4	114.6	114.8
80°	81.5	80.8	83.0	80.8	83.0	80.8	81.5	81.5	83.8	85.2	88.9
82.5°	64.5	63.8	64.8	63.2	64.8	63.8	64.5	63.9	64.9	67.0	66.5
85°	38.9	38.2	37.5	38.2	37.5	38.2	38.9	38.2	37.5	38.2	38.9
87.5°	18.4	17.9	18.0	18.2	18.0	17.9	18.4	17.6	18.0	17.7	17.5
90°	24.1	24.8	25.5	26.3	25.5	24.8	24.1	23.4	22.4	21.2	20.0
92.5°	50.0	50.6	51.2	51.7	51.2	50.6	50.0	49.6	48.4	46.8	45.2
95°	92.7	93.2	93.7	94.2	93.7	93.2	92.7	92.3	91.1	89.4	87.8
97.5°	141.9	142.2	142.5	142.8	142.5	142.2	141.9	141.7	140.7	139.1	137.5
100°	178.1	178.6	179.2	179.6	179.2	178.6	178.1	177.7	176.3	174.2	171.9
102.5°	214.4	215.1	215.7	216.4	215.7	215.1	214.4	213.7	212.2	209.8	207.4
105°	269.5	270.1	270.9	271.6	270.9	270.1	269.5	268.7	267.6	266.2	264.7
107.5°	328.3	328.3	328.2	328.1	328.2	328.3	328.3	328.4	328.0	327.3	326.5
110°	370.9	370.7	370.4	370.2	370.4	370.7	370.9	371.2	370.9	370.2	369.5



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	412.7	412.3	411.8	411.4	411.8	412.3	412.7	413.1	413.2	412.8	412.6
115°	477.2	476.9	476.6	476.5	476.6	476.9	477.2	477.4	477.7	477.9	478.2
117.5°	542.9	542.0	540.9	540.0	540.9	542.0	542.9	543.8	544.2	544.0	543.8
120°	586.7	585.7	584.8	583.8	584.8	585.7	586.7	587.7	588.1	588.1	588.1
122.5°	629.9	629.1	628.4	627.6	628.4	629.1	629.9	630.7	631.2	631.4	631.6
125°	694.1	693.8	693.5	693.3	693.5	693.8	694.1	694.3	694.7	695.1	695.6
127.5°	757.9	757.3	756.9	756.4	756.9	757.3	757.9	758.4	758.7	758.9	759.2
130°	799.9	799.5	798.9	798.4	798.9	799.5	799.9	800.4	800.8	801.0	801.3
132.5°	839.9	839.2	838.6	837.9	838.6	839.2	839.9	840.7	841.0	841.3	841.6
135°	902.1	901.2	900.2	899.2	900.2	901.2	902.1	903.1	903.6	903.6	903.6
137.5°	962.9	961.7	960.5	959.2	960.5	961.7	962.9	964.1	964.6	964.3	964.0
140°	1001.5	1000.2	999.0	997.8	999.0	1000.2	1001.5	1002.7	1003.1	1002.6	1002.0
142.5°	1038.2	1037.1	1035.9	1034.6	1035.9	1037.1	1038.2	1039.4	1039.9	1039.6	1039.3
145°	1092.0	1091.3	1090.5	1089.8	1090.5	1091.3	1092.0	1092.7	1093.1	1093.1	1093.1
147.5°	1141.9	1140.2	1138.6	1136.9	1138.6	1140.2	1141.9	1143.5	1144.1	1143.5	1142.9
150°	1173.4	1172.9	1172.4	1172.0	1172.4	1172.9	1173.4	1173.9	1174.1	1174.1	1174.1
152.5°	1203.5	1202.6	1201.7	1200.9	1201.7	1202.6	1203.5	1204.4	1204.5	1203.9	1203.3
155°	1245.7	1244.4	1243.3	1242.1	1243.3	1244.4	1245.7	1246.9	1247.1	1246.0	1245.1
157.5°	1281.3	1279.7	1278.1	1276.5	1278.1	1279.7	1281.3	1282.9	1283.2	1282.2	1281.2
160°	1303.7	1302.5	1301.3	1300.1	1301.3	1302.5	1303.7	1305.0	1305.0	1304.1	1303.2
162.5°	1324.5	1323.0	1321.6	1320.2	1321.6	1323.0	1324.5	1325.9	1326.1	1324.8	1323.7
165°	1351.6	1350.1	1348.7	1347.2	1348.7	1350.1	1351.6	1353.0	1353.3	1352.3	1351.3
167.5°	1373.2	1371.7	1370.2	1368.7	1370.2	1371.7	1373.2	1374.7	1374.7	1373.3	1371.8
170°	1385.2	1383.5	1381.8	1380.1	1381.8	1383.5	1385.2	1386.9	1387.0	1385.5	1384.0
172.5°	1394.2	1392.7	1391.2	1389.7	1391.2	1392.7	1394.2	1395.7	1395.7	1394.3	1392.8
175°	1403.8	1402.1	1400.3	1398.6	1400.3	1402.1	1403.8	1405.5	1405.6	1404.1	1402.7
177.5°	1408.1	1406.7	1405.3	1403.9	1405.3	1406.7	1408.1	1409.4	1409.5	1408.3	1407.1
180°	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1715.7	1722.2	1725.7	1733.9	1745.7	1751.6	1759.8	1765.7	1774.0	1784.0	1792.2
5°	1604.7	1622.3	1634.0	1652.4	1669.3	1686.2	1707.5	1723.0	1743.5	1767.0	1785.4
7.5°	1501.5	1523.5	1543.0	1567.4	1595.3	1617.0	1644.7	1673.1	1705.2	1738.6	1770.1
10°	1435.7	1457.7	1482.0	1512.0	1540.0	1569.3	1602.4	1635.5	1675.9	1713.4	1756.0
12.5°	1370.4	1394.8	1422.0	1455.7	1489.4	1527.0	1560.7	1597.9	1641.2	1689.9	1735.4
15°	1289.4	1313.0	1342.4	1371.0	1409.9	1451.0	1495.9	1545.1	1593.7	1647.9	1704.6
17.5°	1202.6	1228.4	1260.7	1294.0	1335.0	1383.2	1427.1	1481.0	1535.6	1598.9	1665.5
20°	1146.1	1172.6	1210.8	1247.5	1285.1	1332.1	1384.2	1439.4	1497.3	1564.2	1638.4
22.5°	1101.5	1120.3	1157.9	1195.2	1239.2	1287.4	1338.4	1395.8	1459.2	1528.3	1606.1
25°	1035.2	1057.2	1084.5	1123.4	1168.9	1219.7	1271.1	1332.1	1401.1	1471.7	1554.6
27.5°	976.3	994.4	1021.2	1051.8	1097.2	1149.8	1204.5	1268.1	1339.0	1410.8	1498.1
30°	934.5	954.4	980.1	1012.5	1048.5	1105.8	1161.6	1224.1	1296.1	1370.3	1459.9
32.5°	898.1	918.5	940.8	971.3	1010.2	1061.1	1118.7	1180.0	1253.1	1329.7	1417.0
35°	847.2	861.1	881.7	911.8	950.0	991.2	1049.9	1114.6	1185.8	1265.2	1352.6
37.5°	788.6	806.7	827.2	853.3	886.8	931.3	986.0	1051.4	1117.5	1193.4	1273.3
40°	754.6	771.5	794.3	813.3	848.6	889.0	939.0	1007.3	1073.5	1144.7	1217.5
42.5°	719.9	736.2	755.4	779.3	811.0	850.3	896.6	960.3	1031.1	1098.3	1159.2
45°	665.6	682.6	701.0	722.9	752.3	790.6	836.9	894.8	956.6	1018.3	1064.6
47.5°	613.8	629.6	647.0	669.6	696.6	733.6	775.0	826.2	886.2	938.7	971.8
50°	576.7	591.4	610.6	632.6	659.0	693.6	733.3	783.9	833.9	881.7	911.8
52.5°	540.4	556.8	575.9	594.9	620.3	654.8	691.5	735.2	782.8	821.7	846.6
55°	485.7	501.1	518.7	538.6	563.5	593.0	631.9	666.4	703.9	737.0	751.6
57.5°	432.9	446.4	463.0	483.6	506.1	533.4	564.3	597.5	624.0	647.3	663.9
60°	398.2	410.0	425.4	443.0	467.3	492.3	520.2	551.0	571.7	591.4	606.9
62.5°	363.0	374.1	389.0	404.8	426.1	449.3	476.1	501.1	521.0	534.4	552.2
65°	310.1	321.0	333.6	350.4	367.4	386.4	410.7	429.0	443.0	457.7	468.7
67.5°	260.8	269.9	281.8	295.1	309.3	327.7	346.5	361.7	371.4	380.1	393.4
70°	228.5	235.8	245.4	255.7	271.1	289.5	304.2	315.9	322.5	331.4	347.5
72.5°	195.6	204.1	213.1	223.4	235.8	251.3	264.2	276.0	280.2	287.3	297.6
75°	154.3	158.7	166.1	173.4	182.2	195.5	207.9	210.8	214.5	220.5	227.7
77.5°	116.7	120.6	123.6	128.5	135.4	146.1	152.7	157.1	158.0	160.1	167.4
80°	92.6	94.8	97.7	101.4	104.3	113.1	116.8	121.2	122.7	124.9	128.6
82.5°	67.9	70.1	71.8	74.9	79.6	83.1	86.8	91.2	91.5	93.1	93.9
85°	39.7	40.4	38.9	40.4	41.2	42.6	46.3	50.0	49.2	48.4	50.7
87.5°	17.8	17.6	16.7	18.1	16.6	16.9	16.5	16.7	17.4	18.3	19.0
90°	18.8	17.5	15.8	14.1	12.4	10.7	8.9	7.0	5.0	3.0	1.1
92.5°	43.6	42.0	40.0	37.9	35.8	33.6	32.0	30.6	29.2	27.9	26.5
95°	86.1	84.4	81.9	79.5	77.0	74.6	73.1	72.7	72.2	71.6	71.2
97.5°	135.9	134.3	130.9	127.5	124.2	120.8	119.0	118.9	118.7	118.5	118.3
100°	169.8	167.6	164.4	161.3	158.1	155.0	153.4	153.4	153.4	153.4	153.4
102.5°	205.0	202.6	201.0	199.4	197.8	196.2	194.9	194.0	192.9	192.0	191.1
105°	263.3	261.7	260.3	258.8	257.4	255.9	254.6	253.4	252.1	250.9	249.7
107.5°	325.8	325.1	324.0	322.8	321.7	320.6	319.4	318.2	317.0	315.8	314.5
110°	368.7	368.0	367.3	366.6	365.8	365.0	364.1	362.9	361.7	360.4	359.3



TEST NUMBER: P333635-830

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	412.2	411.8	410.9	410.0	409.1	408.1	407.4	406.7	406.0	405.5	404.8
115°	478.4	478.6	478.2	477.7	477.2	476.6	476.0	474.9	474.0	473.1	472.0
117.5°	543.7	543.5	543.0	542.6	542.2	541.7	541.3	540.8	540.5	540.0	539.5
120°	588.1	588.1	588.0	587.7	587.4	587.2	586.4	585.2	584.0	582.8	581.5
122.5°	631.8	632.0	631.3	630.7	630.1	629.4	628.9	628.5	628.0	627.6	627.2
125°	696.1	696.6	696.4	696.1	695.9	695.6	694.7	693.3	691.8	690.4	688.9
127.5°	759.4	759.7	759.4	759.1	758.8	758.6	758.0	757.1	756.3	755.4	754.7
130°	801.5	801.7	801.3	800.8	800.3	799.8	798.9	797.8	796.5	795.3	794.1
132.5°	841.8	842.1	842.2	842.3	842.4	842.4	841.5	839.5	837.5	835.5	833.5
135°	903.6	903.6	903.3	903.1	902.9	902.7	901.8	900.3	898.9	897.4	896.0
137.5°	963.7	963.4	962.9	962.3	961.8	961.3	960.3	958.8	957.4	956.0	954.6
140°	1001.5	1001.1	1000.3	999.7	998.9	998.2	997.2	996.0	994.8	993.5	992.3
142.5°	1039.1	1038.8	1037.8	1036.9	1035.9	1035.1	1034.1	1033.0	1032.1	1031.0	1030.0
145°	1093.1	1093.1	1092.3	1091.7	1090.9	1090.1	1089.3	1088.4	1087.4	1086.4	1085.4
147.5°	1142.3	1141.7	1141.1	1140.6	1140.0	1139.3	1138.8	1138.3	1137.7	1137.2	1136.7
150°	1174.1	1174.1	1173.2	1172.1	1171.2	1170.3	1169.9	1170.2	1170.4	1170.6	1170.8
152.5°	1202.8	1202.2	1201.8	1201.4	1201.0	1200.6	1200.2	1200.0	1199.6	1199.2	1198.9
155°	1244.2	1243.1	1242.9	1242.6	1242.5	1242.2	1242.1	1242.1	1242.1	1242.1	1242.1
157.5°	1280.3	1279.3	1279.0	1278.8	1278.6	1278.3	1278.5	1279.0	1279.5	1280.1	1280.6
160°	1302.1	1301.2	1301.0	1300.7	1300.4	1300.2	1300.4	1301.2	1301.9	1302.7	1303.3
162.5°	1322.5	1321.4	1321.3	1321.3	1321.2	1321.2	1321.4	1321.9	1322.5	1323.0	1323.5
165°	1350.4	1349.3	1349.2	1348.9	1348.7	1348.4	1348.5	1349.1	1349.5	1350.0	1350.5
167.5°	1370.4	1368.9	1368.9	1368.9	1368.9	1368.9	1369.3	1370.4	1371.3	1372.2	1373.3
170°	1382.6	1381.1	1381.1	1381.1	1381.1	1381.1	1381.7	1382.6	1383.6	1384.6	1385.5
172.5°	1391.4	1389.9	1389.9	1389.9	1389.9	1389.9	1390.4	1391.4	1392.3	1393.4	1394.3
175°	1401.2	1399.8	1399.8	1399.8	1399.8	1399.8	1400.2	1401.2	1402.2	1403.2	1404.1
177.5°	1406.0	1404.8	1405.0	1405.2	1405.4	1405.6	1406.1	1406.8	1407.6	1408.4	1409.2
180°	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4



TEST NUMBER: P333635-830

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1798.6	1803.9	1811.6	1820.3	1827.4	1835.0	1839.2	1839.2	1842.7	1850.3	1860.3
5°	1803.7	1822.9	1841.3	1864.7	1883.1	1904.4	1920.5	1936.0	1949.9	1967.6	1985.9
7.5°	1802.2	1834.0	1867.1	1904.1	1944.9	1977.5	2010.8	2036.9	2062.8	2096.6	2123.2
10°	1796.4	1837.6	1882.4	1929.4	1980.8	2025.6	2066.1	2102.8	2138.1	2174.8	2207.8
12.5°	1785.8	1838.1	1892.9	1949.4	2014.3	2065.6	2117.8	2156.8	2198.0	2238.3	2279.0
15°	1769.9	1831.6	1897.8	1976.4	2055.8	2113.1	2164.5	2215.2	2253.4	2299.0	2337.9
17.5°	1737.2	1816.7	1899.9	1985.8	2062.1	2128.6	2182.6	2230.8	2271.4	2321.6	2374.5
20°	1717.8	1803.7	1890.5	1982.3	2055.0	2123.4	2175.5	2225.4	2276.1	2341.6	2406.2
22.5°	1690.7	1782.6	1874.5	1961.7	2038.5	2104.5	2158.5	2219.6	2286.1	2360.4	2438.5
25°	1647.9	1742.8	1833.9	1916.8	1991.9	2059.5	2132.9	2215.2	2296.0	2393.8	2506.1
27.5°	1593.7	1685.2	1766.4	1854.2	1928.6	2014.6	2106.3	2195.5	2312.1	2446.5	2586.8
30°	1553.2	1639.9	1717.0	1800.1	1884.5	1979.3	2082.2	2187.3	2326.1	2484.1	2650.9
32.5°	1506.2	1584.7	1661.2	1741.3	1838.7	1942.9	2052.2	2180.8	2346.7	2526.4	2699.1
35°	1424.7	1495.2	1569.3	1658.3	1761.9	1875.0	2014.6	2171.1	2371.7	2564.9	2720.0
37.5°	1339.1	1394.8	1469.3	1563.0	1675.9	1806.9	1965.2	2155.4	2361.4	2534.8	2600.8
40°	1273.3	1325.4	1404.0	1502.5	1614.2	1757.5	1935.2	2130.7	2337.9	2458.3	2453.2
42.5°	1208.1	1260.7	1336.4	1435.5	1551.9	1712.2	1895.3	2098.4	2273.2	2319.1	2223.5
45°	1108.0	1157.2	1231.4	1331.3	1456.2	1624.5	1816.9	2011.7	2123.4	2049.2	1859.5
47.5°	1006.0	1053.8	1122.7	1220.5	1356.9	1533.0	1715.0	1874.7	1890.5	1731.0	1503.6
50°	939.0	983.8	1049.1	1153.5	1285.7	1457.7	1633.3	1759.0	1720.0	1525.3	1290.9
52.5°	873.7	916.8	978.1	1076.5	1211.7	1380.1	1536.9	1635.5	1545.4	1338.4	1127.5
55°	777.3	818.5	880.2	970.5	1093.3	1247.5	1385.0	1421.0	1288.7	1080.1	909.6
57.5°	685.8	716.0	776.9	856.9	975.2	1111.2	1209.7	1203.2	1057.2	869.3	747.1
60°	625.3	652.4	710.5	783.9	896.4	1018.3	1087.4	1058.0	910.3	755.3	637.7
62.5°	568.8	594.3	642.9	710.5	807.0	913.1	963.4	922.8	783.3	647.1	553.6
65°	483.4	501.8	540.7	603.2	678.9	752.3	797.2	737.6	614.3	511.3	440.8
67.5°	403.7	419.5	454.2	499.0	551.2	601.9	620.1	564.3	468.3	399.0	349.3
70°	351.9	366.6	390.1	432.1	466.6	502.6	511.3	461.4	381.4	328.4	297.6
72.5°	302.6	316.0	336.7	366.2	390.1	410.9	415.0	368.5	307.3	270.8	247.0
75°	230.7	242.4	255.7	266.7	282.1	285.8	284.4	248.4	215.3	191.1	177.8
77.5°	169.6	174.5	182.5	186.9	187.7	187.4	179.8	157.1	140.1	130.1	124.6
80°	130.8	134.5	136.7	138.1	138.8	131.5	123.5	109.4	103.6	97.7	91.1
82.5°	94.9	97.5	99.6	99.9	96.0	89.8	82.3	75.4	71.3	68.3	65.8
85°	51.5	52.1	51.5	47.8	42.6	40.4	38.9	37.5	36.8	36.0	36.0
87.5°	18.9	17.4	14.9	15.9	16.2	16.0	16.3	16.1	15.8	16.1	16.3
90°	3.0	5.0	7.0	8.9	10.7	12.4	14.1	15.8	17.5	18.8	20.0
92.5°	27.9	29.2	30.6	32.0	33.6	35.8	37.9	40.0	42.0	43.6	45.2
95°	71.6	72.2	72.7	73.1	74.6	77.0	79.5	81.9	84.4	86.1	87.8
97.5°	118.5	118.7	118.9	119.0	120.8	124.2	127.5	130.9	134.3	135.9	137.5
100°	153.4	153.4	153.4	153.4	155.0	158.1	161.3	164.4	167.6	169.8	171.9
102.5°	192.0	192.9	194.0	194.9	196.2	197.8	199.4	201.0	202.6	205.0	207.4
105°	250.9	252.1	253.4	254.6	255.9	257.4	258.8	260.3	261.7	263.3	264.7
107.5°	315.8	317.0	318.2	319.4	320.6	321.7	322.8	324.0	325.1	325.8	326.5
110°	360.4	361.7	362.9	364.1	365.0	365.8	366.6	367.3	368.0	368.7	369.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	405.5	406.0	406.7	407.4	408.1	409.1	410.0	410.9	411.8	412.2	412.6
115°	473.1	474.0	474.9	476.0	476.6	477.2	477.7	478.2	478.6	478.4	478.2
117.5°	540.0	540.5	540.8	541.3	541.7	542.2	542.6	543.0	543.5	543.7	543.8
120°	582.8	584.0	585.2	586.4	587.2	587.4	587.7	588.0	588.1	588.1	588.1
122.5°	627.6	628.0	628.5	628.9	629.4	630.1	630.7	631.3	632.0	631.8	631.6
125°	690.4	691.8	693.3	694.7	695.6	695.9	696.1	696.4	696.6	696.1	695.6
127.5°	755.4	756.3	757.1	758.0	758.6	758.8	759.1	759.4	759.7	759.4	759.2
130°	795.3	796.5	797.8	798.9	799.8	800.3	800.8	801.3	801.7	801.5	801.3
132.5°	835.5	837.5	839.5	841.5	842.4	842.4	842.3	842.2	842.1	841.8	841.6
135°	897.4	898.9	900.3	901.8	902.7	902.9	903.1	903.3	903.6	903.6	903.6
137.5°	956.0	957.4	958.8	960.3	961.3	961.8	962.3	962.9	963.4	963.7	964.0
140°	993.5	994.8	996.0	997.2	998.2	998.9	999.7	1000.3	1001.1	1001.5	1002.0
142.5°	1031.0	1032.1	1033.0	1034.1	1035.1	1035.9	1036.9	1037.8	1038.8	1039.1	1039.3
145°	1086.4	1087.4	1088.4	1089.3	1090.1	1090.9	1091.7	1092.3	1093.1	1093.1	1093.1
147.5°	1137.2	1137.7	1138.3	1138.8	1139.3	1140.0	1140.6	1141.1	1141.7	1142.3	1142.9
150°	1170.6	1170.4	1170.2	1169.9	1170.3	1171.2	1172.1	1173.2	1174.1	1174.1	1174.1
152.5°	1199.2	1199.6	1200.0	1200.2	1200.6	1201.0	1201.4	1201.8	1202.2	1202.8	1203.3
155°	1242.1	1242.1	1242.1	1242.1	1242.2	1242.5	1242.6	1242.9	1243.1	1244.2	1245.1
157.5°	1280.1	1279.5	1279.0	1278.5	1278.3	1278.6	1278.8	1279.0	1279.3	1280.3	1281.2
160°	1302.7	1301.9	1301.2	1300.4	1300.2	1300.4	1300.7	1301.0	1301.2	1302.1	1303.2
162.5°	1323.0	1322.5	1321.9	1321.4	1321.2	1321.2	1321.3	1321.3	1321.4	1322.5	1323.7
165°	1350.0	1349.5	1349.1	1348.5	1348.4	1348.7	1348.9	1349.2	1349.3	1350.4	1351.3
167.5°	1372.2	1371.3	1370.4	1369.3	1368.9	1368.9	1368.9	1368.9	1368.9	1370.4	1371.8
170°	1384.6	1383.6	1382.6	1381.7	1381.1	1381.1	1381.1	1381.1	1381.1	1382.6	1384.0
172.5°	1393.4	1392.3	1391.4	1390.4	1389.9	1389.9	1389.9	1389.9	1389.9	1391.4	1392.8
175°	1403.2	1402.2	1401.2	1400.2	1399.8	1399.8	1399.8	1399.8	1399.8	1401.2	1402.7
177.5°	1408.4	1407.6	1406.8	1406.1	1405.6	1405.4	1405.2	1405.0	1404.8	1406.0	1407.1
180°	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8	1789.8
2.5°	1867.9	1867.9	1877.9	1877.4	1883.9	1881.5	1882.6
5°	2008.0	2020.5	2031.6	2038.8	2049.8	2052.9	2051.3
7.5°	2153.1	2180.9	2194.4	2213.0	2216.4	2226.1	2225.1
10°	2243.2	2270.3	2290.8	2307.1	2315.1	2325.4	2326.1
12.5°	2313.7	2336.8	2354.9	2369.9	2379.7	2383.0	2384.9
15°	2368.7	2394.4	2415.7	2437.0	2449.6	2459.1	2464.3
17.5°	2424.3	2464.0	2501.6	2530.5	2547.9	2562.6	2562.4
20°	2467.2	2512.7	2559.8	2592.8	2626.7	2641.3	2643.5
22.5°	2513.0	2582.7	2643.3	2694.5	2738.9	2754.2	2760.0
25°	2608.3	2699.3	2792.7	2864.7	2916.1	2946.2	2950.6
27.5°	2723.3	2846.6	2944.8	3011.2	3053.9	3076.3	3081.2
30°	2804.4	2918.3	3006.5	3056.5	3076.3	3079.2	3068.2
32.5°	2840.9	2925.9	2961.2	2958.3	2919.3	2893.5	2883.6
35°	2796.3	2778.7	2692.7	2589.9	2511.3	2461.4	2448.1
37.5°	2544.8	2392.7	2234.6	2079.2	1996.4	1954.4	1882.1
40°	2296.8	2080.0	1915.4	1784.6	1691.3	1616.4	1598.7
42.5°	2016.9	1793.2	1628.6	1516.6	1442.1	1390.7	1368.4
45°	1620.8	1428.3	1292.4	1206.5	1149.1	1111.6	1094.8
47.5°	1296.4	1147.4	1048.3	984.7	941.0	908.4	899.3
50°	1118.2	999.2	915.5	861.9	828.8	803.8	793.5
52.5°	971.3	875.2	810.9	766.6	735.3	719.7	711.2
55°	801.5	718.6	672.3	637.0	619.3	606.9	601.0
57.5°	655.5	595.6	561.8	537.3	521.0	513.1	510.2
60°	573.8	526.8	496.0	476.8	465.8	455.5	452.6
62.5°	501.5	464.5	440.7	424.0	412.9	408.5	406.7
65°	404.1	379.8	362.2	351.9	343.1	341.7	340.9
67.5°	321.2	307.0	297.7	287.0	283.9	278.7	277.8
70°	274.8	265.2	254.2	250.5	246.9	241.8	242.4
72.5°	233.1	223.5	216.0	211.1	209.8	207.6	209.5
75°	170.4	167.5	164.6	160.9	159.5	159.5	158.7
77.5°	121.7	119.1	115.9	113.8	113.3	110.2	111.4
80°	88.1	84.5	83.0	83.8	81.5	80.8	80.8
82.5°	65.2	63.9	62.5	62.6	62.1	61.5	62.0
85°	36.0	35.3	35.3	34.5	34.5	33.8	33.8
87.5°	17.2	18.0	17.1	16.6	16.7	17.4	18.2
90°	21.2	22.4	23.4	24.1	24.8	25.5	26.3
92.5°	46.8	48.4	49.6	50.0	50.6	51.2	51.7
95°	89.4	91.1	92.3	92.7	93.2	93.7	94.2
97.5°	139.1	140.7	141.7	141.9	142.2	142.5	142.8
100°	174.2	176.3	177.7	178.1	178.6	179.2	179.6
102.5°	209.8	212.2	213.7	214.4	215.1	215.7	216.4
105°	266.2	267.6	268.7	269.5	270.1	270.9	271.6
107.5°	327.3	328.0	328.4	328.3	328.3	328.2	328.1
110°	370.2	370.9	371.2	370.9	370.7	370.4	370.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	412.8	413.2	413.1	412.7	412.3	411.8	411.4
115°	477.9	477.7	477.4	477.2	476.9	476.6	476.5
117.5°	544.0	544.2	543.8	542.9	542.0	540.9	540.0
120°	588.1	588.1	587.7	586.7	585.7	584.8	583.8
122.5°	631.4	631.2	630.7	629.9	629.1	628.4	627.6
125°	695.1	694.7	694.3	694.1	693.8	693.5	693.3
127.5°	758.9	758.7	758.4	757.9	757.3	756.9	756.4
130°	801.0	800.8	800.4	799.9	799.5	798.9	798.4
132.5°	841.3	841.0	840.7	839.9	839.2	838.6	837.9
135°	903.6	903.6	903.1	902.1	901.2	900.2	899.2
137.5°	964.3	964.6	964.1	962.9	961.7	960.5	959.2
140°	1002.6	1003.1	1002.7	1001.5	1000.2	999.0	997.8
142.5°	1039.6	1039.9	1039.4	1038.2	1037.1	1035.9	1034.6
145°	1093.1	1093.1	1092.7	1092.0	1091.3	1090.5	1089.8
147.5°	1143.5	1144.1	1143.5	1141.9	1140.2	1138.6	1136.9
150°	1174.1	1174.1	1173.9	1173.4	1172.9	1172.4	1172.0
152.5°	1203.9	1204.5	1204.4	1203.5	1202.6	1201.7	1200.9
155°	1246.0	1247.1	1246.9	1245.7	1244.4	1243.3	1242.1
157.5°	1282.2	1283.2	1282.9	1281.3	1279.7	1278.1	1276.5
160°	1304.1	1305.0	1305.0	1303.7	1302.5	1301.3	1300.1
162.5°	1324.8	1326.1	1325.9	1324.5	1323.0	1321.6	1320.2
165°	1352.3	1353.3	1353.0	1351.6	1350.1	1348.7	1347.2
167.5°	1373.3	1374.7	1374.7	1373.2	1371.7	1370.2	1368.7
170°	1385.5	1387.0	1386.9	1385.2	1383.5	1381.8	1380.1
172.5°	1394.3	1395.7	1395.7	1394.2	1392.7	1391.2	1389.7
175°	1404.1	1405.6	1405.5	1403.8	1402.1	1400.3	1398.6
177.5°	1408.3	1409.5	1409.4	1408.1	1406.7	1405.3	1403.9
180°	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4

(END OF REPORT)