

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: P333478-940

Luminaire Tested: **S125DIW-S1270D1340U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333478-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIW-S1270D1340U940-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1340 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9407.2 lumens  
Efficiency: N/A  
Efficacy: 123.5 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

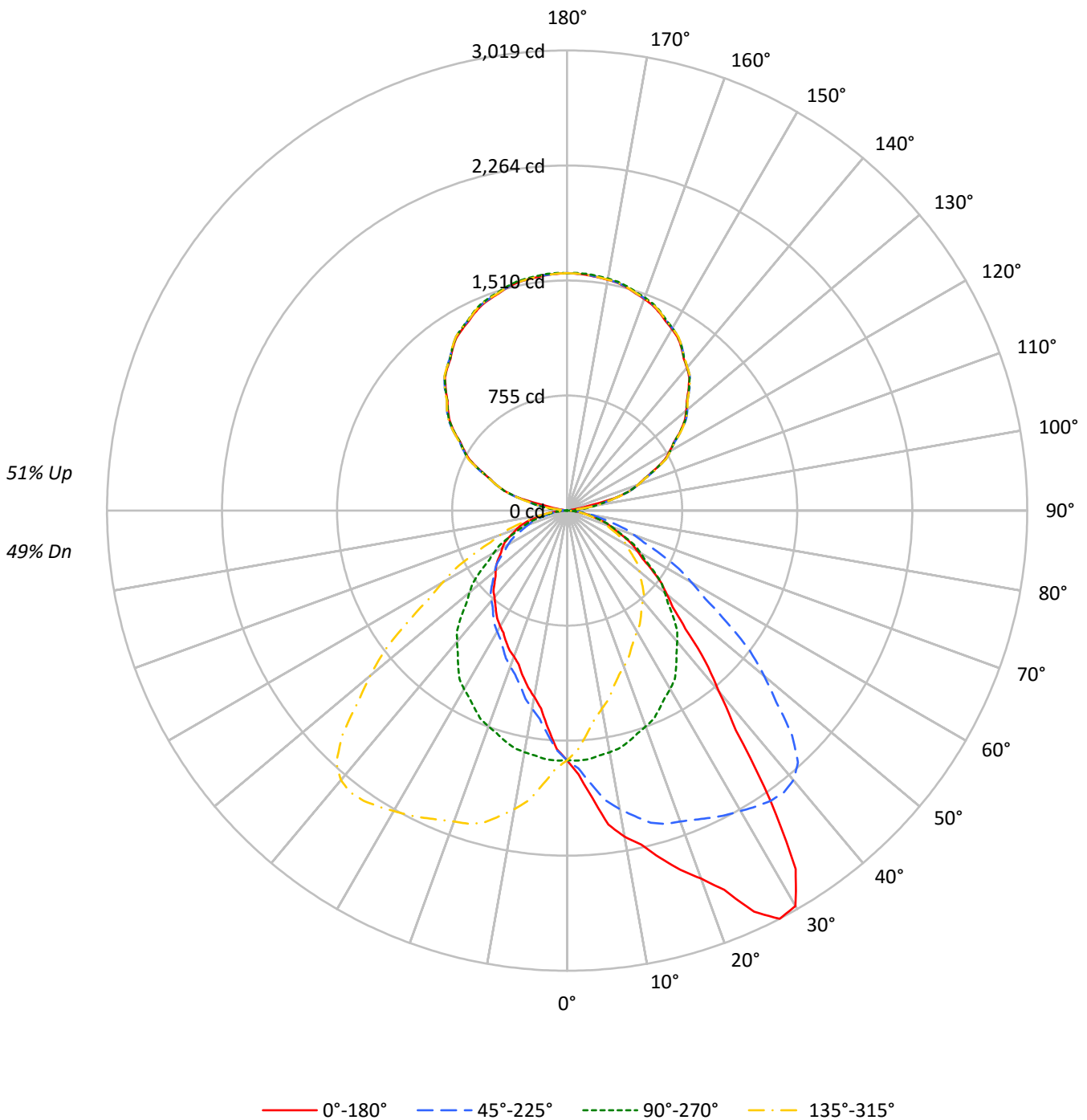
Input Watts (W): 76.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	55	55	55	49
1	98	94	90	86	90	86	83	80	73	71	69	61	59	58	49	48	47	42
2	89	82	76	71	82	76	71	66	64	60	57	53	51	48	44	42	40	35
3	82	72	65	59	75	67	61	55	57	52	48	47	44	41	39	36	34	30
4	75	64	56	50	69	59	52	47	51	45	41	42	38	35	35	32	30	26
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	31	28	26	23
6	63	51	43	37	58	48	40	35	41	35	31	34	30	27	28	25	23	20
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	18
8	54	42	34	29	50	39	32	27	34	28	24	29	24	21	24	21	18	16
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	19	16	14
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	20	17	15	13

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

	0°	90°	180°	270°
0°	10577	10577	10577	10577
5°	12248	10613	9292	10613
10°	14250	10558	8141	10558
15°	15774	10480	7511	10480
20°	17657	10357	7003	10357
25°	20685	10219	6757	10219
30°	22342	10082	6542	10082
35°	18370	9826	6401	9826
40°	13057	9470	6247	9470
45°	10030	8990	6158	8990
50°	8562	8395	6146	8395
55°	7624	7812	6199	7812
60°	6877	7174	6356	7174
65°	6353	6533	6522	6533
70°	5776	5867	6617	5867
75°	5100	5168	6558	5168
80°	4292	4214	5995	4214
85°	3394	3038	4846	3038



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.7	1.7
10°-20°	469.4	5.0
20°-30°	762.2	8.1
30°-40°	929.8	9.9
40°-50°	845.8	9.0
50°-60°	673.7	7.2
60°-70°	469.3	5.0
70°-80°	250.2	2.7
80°-90°	66.4	0.7
90°-100°	56.6	0.6
100°-110°	348.8	3.7
110°-120°	632.6	6.7
120°-130°	811.9	8.6
130°-140°	873.3	9.3
140°-150°	819.7	8.7
150°-160°	663.1	7.0
160°-170°	428.8	4.6
170°-180°	147.9	1.6
0°-30°	1389.3	14.8
0°-40°	2319.0	24.7
0°-60°	3838.6	40.8
0°-90°	4624.5	49.2
90°-120°	1038.1	11.0
90°-150°	3542.9	37.7
90°-180°	4783.0	50.8
0°-180°	9407.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1638	1638	1638	1638	1638	
5°	1889	1637	1433	1637	1889	190
15°	2359	1567	1123	1567	2359	675
25°	2903	1434	948	1434	2903	1326
35°	2330	1246	812	1246	2330	1426
45°	1098	984	674	984	1098	879
55°	677	694	550	694	677	610
65°	416	428	427	428	416	413
75°	204	207	263	207	204	220
85°	46	41	65	41	46	54
90°	28	1	28	1	28	14
95°	24	66	24	66	24	20
105°	343	340	343	340	343	310
115°	633	637	633	637	633	628
125°	906	906	906	906	906	806
135°	1126	1130	1126	1130	1126	869
145°	1307	1310	1307	1310	1307	816
155°	1433	1443	1433	1443	1433	660
165°	1515	1523	1515	1523	1515	427
175°	1550	1558	1550	1558	1550	148
180°	1558	1558	1558	1558	1558	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1732.2	1730.0	1727.8	1723.3	1726.6	1717.2	1712.7	1705.0	1695.5	1692.2	1688.3
5°	1889.3	1892.7	1896.2	1881.7	1883.0	1873.3	1851.1	1833.0	1818.4	1799.7	1786.5
7.5°	2078.4	2070.2	2069.5	2060.0	2043.8	2030.7	2007.3	1977.5	1948.8	1916.0	1888.9
10°	2172.9	2173.6	2167.4	2156.2	2138.9	2126.4	2095.8	2066.5	2031.1	1989.4	1959.5
12.5°	2244.1	2247.0	2239.1	2224.1	2215.5	2187.5	2163.6	2128.9	2086.7	2053.3	2007.9
15°	2359.2	2351.5	2346.0	2327.2	2312.7	2283.4	2245.2	2209.0	2163.2	2120.8	2078.4
17.5°	2470.1	2476.3	2465.8	2448.7	2403.4	2369.4	2318.1	2268.5	2211.4	2154.6	2104.0
20°	2569.1	2574.7	2558.7	2528.8	2474.6	2440.5	2373.1	2309.2	2243.1	2170.2	2114.5
22.5°	2692.6	2688.2	2666.6	2621.1	2574.1	2511.1	2438.2	2360.3	2277.6	2195.1	2121.2
25°	2902.8	2873.5	2860.3	2804.1	2742.2	2649.7	2549.7	2435.6	2332.8	2223.7	2129.1
27.5°	3019.2	3010.1	2995.3	2956.2	2891.1	2792.2	2674.2	2535.3	2390.2	2252.5	2128.7
30°	2995.9	2997.3	2998.7	2986.2	2944.5	2870.1	2752.6	2603.2	2430.8	2275.8	2132.6
32.5°	2789.1	2814.3	2838.6	2867.2	2878.9	2864.5	2791.0	2656.0	2478.6	2302.5	2130.4
35°	2330.0	2337.6	2416.2	2494.0	2599.7	2681.7	2736.7	2676.8	2527.4	2325.1	2127.7
37.5°	1816.8	1854.3	1908.6	1996.6	2149.1	2285.6	2461.2	2542.0	2493.8	2332.5	2122.9
40°	1548.7	1583.5	1618.9	1708.6	1837.2	2002.6	2202.1	2372.4	2412.0	2309.2	2106.2
42.5°	1341.8	1369.4	1408.7	1476.1	1583.6	1730.1	1920.7	2143.3	2280.2	2241.3	2071.2
45°	1098.2	1115.6	1146.2	1199.8	1277.6	1392.3	1560.5	1803.8	2015.8	2086.0	1988.0
47.5°	940.0	940.0	963.7	1000.7	1056.9	1154.3	1278.7	1469.4	1695.8	1863.3	1855.6
50°	852.2	848.7	867.5	899.5	944.0	1008.6	1127.5	1279.7	1497.3	1687.0	1739.8
52.5°	776.6	776.9	788.5	812.2	849.4	904.6	993.5	1130.7	1316.5	1511.3	1610.9
55°	677.1	674.2	687.4	703.5	730.6	766.7	830.6	935.6	1086.5	1278.3	1407.6
57.5°	585.9	593.5	598.8	609.9	632.4	656.6	710.5	787.6	907.2	1071.8	1208.5
60°	532.4	540.1	544.3	555.4	573.5	594.3	636.1	698.6	799.4	941.2	1076.7
62.5°	484.6	490.6	492.0	502.0	516.7	537.1	569.9	622.4	702.0	826.1	958.9
65°	415.7	415.7	418.5	428.9	435.9	453.9	478.9	517.2	581.1	677.7	791.0
67.5°	349.2	352.6	351.9	356.4	362.8	376.9	394.8	426.4	473.8	544.3	634.9
70°	305.9	308.6	307.9	311.4	318.3	327.4	342.0	371.8	405.9	466.5	544.3
72.5°	266.9	268.0	266.3	270.8	275.0	282.9	299.2	315.1	347.0	398.1	462.0
75°	204.4	205.7	207.1	209.9	214.1	218.3	226.6	242.6	263.4	301.7	342.7
77.5°	153.2	150.5	153.9	153.5	155.9	159.1	166.4	174.9	192.0	216.2	247.9
80°	115.4	116.1	116.1	116.8	120.3	122.3	128.6	134.8	148.0	166.1	188.4
82.5°	84.3	86.1	85.0	86.2	89.1	90.6	94.1	99.2	106.9	121.1	137.2
85°	45.8	42.4	43.8	45.2	45.2	45.8	48.7	50.7	54.9	60.5	66.7
87.5°	18.9	19.9	20.2	20.1	20.5	20.3	22.3	22.0	23.5	24.8	26.7
90°	27.7	26.9	26.1	25.4	24.6	23.6	22.3	21.0	19.8	18.5	16.7
92.5°	25.9	25.5	25.1	24.8	24.4	23.6	22.3	21.0	19.8	18.5	16.9
95°	24.3	24.3	24.3	24.3	24.3	23.6	22.3	21.0	19.8	18.5	28.2
97.5°	24.3	24.3	24.3	24.3	24.3	27.8	35.1	42.4	49.6	56.8	76.1
100°	24.3	25.2	26.3	27.3	28.4	48.0	86.2	124.4	162.6	200.9	199.8
102.5°	145.3	162.6	180.1	197.6	215.0	227.4	234.6	241.8	249.1	256.3	255.7
105°	342.9	343.1	343.4	343.7	343.9	344.0	344.0	344.0	344.0	344.0	344.0
107.5°	432.3	433.0	433.8	434.5	435.3	435.7	435.7	435.6	435.5	435.5	435.0
110°	494.2	493.9	493.7	493.4	493.1	493.4	494.2	494.9	495.7	496.4	496.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	549.6	549.9	550.3	550.6	551.0	551.7	552.7	553.6	554.6	555.5	555.3
115°	632.7	634.2	635.8	637.3	638.8	640.2	641.1	642.2	643.2	644.3	644.0
117.5°	721.4	722.0	722.7	723.4	724.0	725.1	726.4	727.7	729.1	730.4	729.4
120°	775.9	777.1	778.4	779.7	781.0	781.9	782.4	782.9	783.5	783.9	783.2
122.5°	827.6	829.0	830.5	832.1	833.5	834.6	835.0	835.5	836.1	836.6	836.2
125°	906.3	907.0	907.9	908.7	909.4	910.3	911.3	912.3	913.4	914.4	914.4
127.5°	972.6	974.5	976.4	978.3	980.2	981.4	982.0	982.6	983.1	983.6	983.8
130°	1020.7	1021.9	1023.1	1024.5	1025.7	1026.8	1027.5	1028.3	1029.1	1029.8	1029.6
132.5°	1065.0	1066.2	1067.6	1068.8	1070.1	1070.8	1070.9	1071.1	1071.3	1071.4	1072.0
135°	1125.7	1127.2	1128.7	1130.3	1131.8	1132.8	1133.4	1133.9	1134.4	1134.9	1135.4
137.5°	1186.6	1187.9	1189.3	1190.6	1191.9	1192.6	1192.5	1192.4	1192.3	1192.2	1192.7
140°	1222.6	1224.2	1225.7	1227.3	1228.8	1229.3	1228.8	1228.3	1227.8	1227.3	1227.5
142.5°	1256.9	1258.4	1259.9	1261.4	1263.0	1263.7	1263.6	1263.5	1263.4	1263.3	1262.9
145°	1307.0	1308.5	1310.0	1311.5	1313.1	1313.8	1313.5	1313.2	1313.0	1312.7	1312.7
147.5°	1348.3	1350.1	1351.9	1353.8	1355.7	1356.5	1356.1	1355.8	1355.5	1355.2	1354.9
150°	1375.0	1377.1	1379.1	1381.2	1383.2	1384.0	1383.5	1383.0	1382.5	1382.0	1381.4
152.5°	1400.0	1401.9	1403.7	1405.5	1407.4	1408.0	1407.6	1407.0	1406.5	1406.0	1405.5
155°	1432.8	1434.9	1436.9	1439.0	1441.0	1441.6	1440.8	1440.1	1439.3	1438.6	1438.1
157.5°	1460.3	1462.3	1464.4	1466.4	1468.5	1469.1	1468.3	1467.5	1466.6	1465.8	1465.8
160°	1477.8	1479.9	1481.9	1484.0	1486.0	1486.6	1485.5	1484.5	1483.5	1482.5	1482.2
162.5°	1493.5	1495.8	1498.0	1500.3	1502.5	1503.0	1501.6	1500.0	1498.6	1497.2	1496.9
165°	1514.7	1516.8	1518.9	1520.9	1523.0	1523.2	1521.7	1520.1	1518.6	1517.1	1516.8
167.5°	1529.6	1531.9	1534.2	1536.4	1538.7	1539.0	1537.1	1535.3	1533.5	1531.6	1531.3
170°	1537.8	1540.2	1542.5	1544.8	1547.1	1547.2	1545.2	1543.1	1541.1	1539.0	1538.7
172.5°	1543.4	1545.7	1548.0	1550.3	1552.6	1552.8	1551.0	1549.2	1547.3	1545.4	1545.0
175°	1550.5	1552.8	1555.1	1557.5	1559.8	1559.9	1557.8	1555.8	1553.7	1551.7	1551.5
177.5°	1554.7	1556.3	1558.0	1559.6	1561.3	1561.4	1560.0	1558.5	1557.1	1555.6	1555.4
180°	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1685.0	1681.1	1676.6	1668.8	1659.4	1654.4	1646.5	1641.6	1631.6	1623.2	1614.4
5°	1770.4	1752.4	1735.7	1714.1	1690.5	1675.2	1657.2	1637.0	1616.1	1594.6	1570.9
7.5°	1859.0	1827.0	1792.2	1754.9	1718.3	1684.6	1652.5	1621.0	1591.5	1555.9	1525.8
10°	1918.5	1878.2	1835.1	1784.3	1735.0	1691.9	1648.1	1609.9	1570.9	1529.2	1492.4
12.5°	1978.0	1924.3	1863.4	1807.7	1748.4	1696.3	1644.8	1596.0	1547.0	1500.8	1457.9
15°	2020.0	1972.7	1916.4	1837.2	1770.4	1698.9	1630.8	1567.4	1508.4	1457.0	1402.8
17.5°	2047.6	1986.7	1926.3	1850.2	1762.8	1682.7	1605.5	1533.1	1466.5	1401.3	1349.1
20°	2052.6	1990.1	1926.8	1852.4	1762.8	1671.1	1593.8	1507.0	1435.4	1368.0	1304.0
22.5°	2051.0	1980.0	1911.3	1834.7	1747.2	1662.7	1569.4	1480.9	1403.1	1336.9	1270.1
25°	2035.2	1959.5	1873.3	1796.2	1709.9	1620.3	1525.8	1434.0	1354.8	1279.0	1213.0
27.5°	2022.2	1924.0	1826.3	1736.3	1653.1	1570.9	1480.4	1386.4	1298.6	1221.8	1159.6
30°	2006.1	1898.4	1788.5	1694.7	1609.2	1529.2	1443.8	1352.0	1260.3	1185.2	1118.5
32.5°	1991.6	1866.1	1750.2	1648.0	1557.5	1479.7	1400.9	1313.6	1223.5	1147.4	1080.6
35°	1963.7	1818.4	1685.6	1570.2	1473.6	1393.7	1327.7	1246.3	1163.6	1089.9	1026.0
37.5°	1928.2	1755.9	1613.4	1492.4	1386.4	1302.3	1240.7	1178.3	1098.9	1028.0	970.1
40°	1900.4	1711.4	1560.5	1436.8	1327.0	1239.4	1182.4	1123.3	1057.3	991.2	930.1
42.5°	1865.4	1671.3	1507.2	1373.9	1265.2	1179.9	1120.1	1069.9	1011.6	950.1	893.3
45°	1801.0	1598.7	1420.8	1277.6	1167.8	1083.7	1021.8	984.3	940.5	882.1	834.1
47.5°	1706.4	1511.5	1327.5	1179.7	1066.4	988.5	930.5	894.5	863.6	820.2	776.7
50°	1622.4	1446.5	1260.3	1113.6	1000.2	921.7	868.2	835.5	809.1	775.7	738.9
52.5°	1528.4	1364.8	1194.1	1049.1	936.8	859.4	807.0	778.3	756.3	732.4	696.1
55°	1379.1	1240.1	1081.6	944.0	840.3	764.6	718.7	693.8	675.6	657.5	635.3
57.5°	1214.6	1105.9	965.5	839.7	744.3	675.4	632.6	608.2	594.1	584.9	571.8
60°	1098.9	1005.8	884.8	770.2	677.1	615.9	574.2	555.4	543.6	535.9	526.2
62.5°	991.7	915.2	803.2	698.5	617.0	559.1	521.9	503.6	492.4	488.7	480.6
65°	833.4	774.4	681.9	595.0	525.5	476.2	444.9	427.5	420.5	416.3	417.1
67.5°	677.6	641.6	567.3	493.2	437.7	396.4	371.3	358.0	354.5	348.9	348.8
70°	582.5	555.4	492.8	428.2	378.8	346.9	324.6	310.7	307.2	304.4	303.8
72.5°	498.6	474.7	420.5	368.7	324.3	296.2	277.9	269.6	263.9	262.2	262.1
75°	374.7	361.5	318.3	277.3	246.7	227.3	214.8	207.1	203.0	202.2	203.0
77.5°	266.4	254.9	227.5	198.4	179.1	164.3	153.7	151.1	146.4	146.5	145.8
80°	200.2	192.5	175.1	152.2	136.3	123.8	118.2	113.3	111.9	109.9	111.9
82.5°	145.2	137.0	125.1	110.5	97.3	89.8	84.3	82.8	81.9	80.9	81.3
85°	71.6	72.3	65.4	54.2	48.7	44.5	41.0	41.0	40.3	39.6	40.3
87.5°	27.5	25.9	23.4	21.3	18.1	16.1	15.1	15.2	14.0	13.8	14.8
90°	14.9	13.1	11.3	9.4	7.3	5.3	3.2	1.2	3.2	5.3	7.3
92.5°	15.2	13.7	12.1	12.0	13.5	14.9	16.3	17.7	16.3	14.9	13.5
95°	38.0	47.7	57.4	62.7	63.5	64.3	65.0	65.8	65.0	64.3	63.5
97.5°	95.4	114.7	133.9	142.9	141.5	140.2	138.8	137.4	138.8	140.2	141.5
100°	198.9	197.8	196.8	195.9	195.1	194.3	193.6	192.8	193.6	194.3	195.1
102.5°	255.1	254.5	253.9	253.1	252.1	251.1	250.1	249.1	250.1	251.1	252.1
105°	344.0	344.0	344.0	343.6	342.5	341.5	340.5	339.5	340.5	341.5	342.5
107.5°	434.4	434.0	433.5	433.2	433.2	433.2	433.2	433.2	433.2	433.2	433.2
110°	495.4	494.9	494.4	494.2	494.2	494.2	494.2	494.2	494.2	494.2	494.2





TEST NUMBER: P333478-940

CATALOG NUMBER: S125DIW-S1270D1340U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	554.9	554.6	554.4	553.8	553.2	552.7	552.1	551.4	552.1	552.7	553.2
115°	643.7	643.5	643.2	642.5	641.1	639.9	638.6	637.3	638.6	639.9	641.1
117.5°	728.4	727.5	726.5	726.0	726.0	726.1	726.1	726.2	726.1	726.1	726.0
120°	782.4	781.6	780.9	780.6	780.9	781.1	781.4	781.6	781.4	781.1	780.9
122.5°	835.9	835.5	835.2	834.5	833.5	832.5	831.5	830.5	831.5	832.5	833.5
125°	914.4	914.4	914.4	913.5	911.7	909.9	908.1	906.3	908.1	909.9	911.7
127.5°	984.0	984.1	984.3	983.7	982.4	981.1	979.9	978.6	979.9	981.1	982.4
130°	1029.3	1029.1	1028.9	1028.1	1026.8	1025.5	1024.2	1022.9	1024.2	1025.5	1026.8
132.5°	1072.5	1073.1	1073.7	1073.2	1071.7	1070.2	1068.7	1067.3	1068.7	1070.2	1071.7
135°	1136.0	1136.5	1136.9	1136.5	1134.9	1133.4	1131.8	1130.3	1131.8	1133.4	1134.9
137.5°	1193.1	1193.6	1194.0	1193.6	1192.2	1190.9	1189.5	1188.3	1189.5	1190.9	1192.2
140°	1227.8	1228.1	1228.3	1228.2	1227.6	1227.2	1226.6	1226.1	1226.6	1227.2	1227.6
142.5°	1262.6	1262.2	1261.9	1261.5	1261.2	1260.9	1260.6	1260.3	1260.6	1260.9	1261.2
145°	1312.7	1312.7	1312.7	1312.4	1312.0	1311.4	1310.9	1310.4	1310.9	1311.4	1312.0
147.5°	1354.6	1354.2	1354.0	1353.9	1354.0	1354.1	1354.2	1354.2	1354.2	1354.1	1354.0
150°	1381.0	1380.5	1379.9	1379.9	1380.5	1381.0	1381.4	1382.0	1381.4	1381.0	1380.5
152.5°	1405.0	1404.4	1403.9	1404.3	1405.4	1406.5	1407.7	1408.7	1407.7	1406.5	1405.4
155°	1437.5	1437.0	1436.5	1437.0	1438.6	1440.1	1441.6	1443.1	1441.6	1440.1	1438.6
157.5°	1465.7	1465.6	1465.6	1466.1	1467.0	1467.8	1468.8	1469.7	1468.8	1467.8	1467.0
160°	1481.9	1481.7	1481.4	1482.0	1483.5	1485.1	1486.7	1488.2	1486.7	1485.1	1483.5
162.5°	1496.7	1496.5	1496.2	1496.8	1498.3	1499.9	1501.5	1503.0	1501.5	1499.9	1498.3
165°	1516.5	1516.3	1516.0	1516.7	1518.2	1519.7	1521.3	1522.9	1521.3	1519.7	1518.2
167.5°	1531.1	1530.8	1530.6	1531.2	1532.9	1534.5	1536.1	1537.6	1536.1	1534.5	1532.9
170°	1538.5	1538.2	1537.9	1538.7	1540.5	1542.3	1544.2	1546.0	1544.2	1542.3	1540.5
172.5°	1544.5	1544.1	1543.6	1544.3	1546.0	1547.9	1549.7	1551.5	1549.7	1547.9	1546.0
175°	1551.2	1551.0	1550.7	1551.3	1552.8	1554.4	1555.9	1557.5	1555.9	1554.4	1552.8
177.5°	1555.2	1555.1	1554.8	1555.3	1556.6	1557.8	1559.0	1560.2	1559.0	1557.8	1556.6
180°	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1609.3	1603.2	1598.2	1587.1	1580.9	1572.6	1565.9	1573.2	1565.4	1568.7	1563.7
5°	1559.2	1539.6	1525.8	1505.6	1488.3	1472.2	1460.4	1458.3	1452.8	1450.0	1441.6
7.5°	1498.8	1474.4	1450.5	1424.2	1401.9	1379.2	1364.8	1352.8	1344.9	1334.4	1327.4
10°	1463.2	1430.6	1402.8	1370.7	1342.9	1318.7	1299.1	1289.4	1280.4	1267.2	1262.3
12.5°	1419.2	1385.5	1351.6	1317.4	1290.7	1263.6	1246.9	1232.2	1225.9	1211.0	1209.5
15°	1366.5	1315.8	1282.5	1247.7	1210.9	1188.7	1174.7	1158.8	1151.8	1141.4	1133.7
17.5°	1303.8	1258.4	1216.7	1180.7	1149.1	1130.4	1113.1	1102.2	1090.2	1083.4	1070.9
20°	1258.1	1215.0	1173.3	1135.1	1110.8	1089.2	1075.3	1064.9	1052.4	1048.9	1036.4
22.5°	1219.8	1172.2	1132.2	1100.1	1073.5	1049.2	1034.2	1027.1	1018.5	1007.8	1005.2
25°	1157.4	1108.0	1074.0	1042.0	1018.3	996.1	985.7	976.6	968.3	960.6	957.9
27.5°	1103.4	1059.4	1018.9	990.0	969.4	949.1	940.0	929.0	922.8	916.7	909.2
30°	1065.6	1020.4	985.0	957.2	935.0	916.9	907.1	899.5	893.9	888.3	884.2
32.5°	1026.7	984.8	950.5	923.3	901.0	887.3	878.8	873.3	867.2	860.5	855.2
35°	975.3	929.3	896.0	872.4	855.0	844.5	834.8	829.9	823.0	823.0	817.4
37.5°	917.3	877.6	848.2	826.6	811.0	801.7	791.2	787.8	783.4	780.4	778.6
40°	882.8	846.0	818.1	796.6	779.9	772.2	763.9	758.4	755.5	752.1	750.7
42.5°	847.2	812.0	785.3	765.4	751.0	744.5	736.6	732.8	727.2	722.6	721.8
45°	793.1	759.0	734.8	718.7	706.2	698.6	693.8	685.4	682.6	677.1	676.4
47.5°	741.8	709.2	685.3	672.2	661.2	655.0	647.3	638.9	635.8	632.9	632.7
50°	703.5	673.6	651.3	638.8	628.4	619.4	611.7	606.1	604.0	604.0	605.5
52.5°	664.5	639.1	620.2	604.8	595.0	585.4	578.4	575.0	571.8	575.2	577.7
55°	607.5	581.8	567.9	553.3	543.6	532.4	529.0	527.6	525.5	531.1	533.9
57.5°	547.2	529.1	512.8	498.4	489.6	483.2	478.5	477.7	481.6	484.2	493.2
60°	508.8	487.9	473.4	462.3	451.8	447.6	446.3	444.9	447.6	455.3	467.1
62.5°	466.5	449.6	433.9	425.5	417.9	411.0	410.6	411.5	417.1	425.8	437.7
65°	404.6	389.9	379.5	369.8	363.6	359.4	360.8	363.6	369.8	381.7	394.8
67.5°	341.6	331.5	322.3	314.3	308.4	308.4	309.8	313.9	321.3	334.9	347.0
70°	301.0	289.9	282.2	278.7	273.8	271.1	275.3	282.2	288.5	301.0	311.4
72.5°	260.4	250.9	245.0	242.6	240.5	238.3	239.7	247.2	255.7	268.1	280.3
75°	200.2	196.7	192.5	189.8	187.7	189.0	190.5	197.4	204.4	217.6	231.5
77.5°	146.2	142.5	140.0	139.3	138.2	138.8	142.8	147.9	154.7	164.3	174.9
80°	110.5	109.1	107.7	107.0	107.0	107.7	113.3	116.8	123.1	132.1	140.4
82.5°	80.5	79.6	79.4	79.3	79.8	79.9	83.3	87.8	93.0	99.8	107.0
85°	42.4	41.0	43.1	43.8	42.4	44.5	45.8	48.7	50.7	54.2	57.7
87.5°	15.8	17.3	17.0	18.0	18.4	19.8	19.5	22.0	23.4	24.7	24.4
90°	9.4	11.3	13.1	14.9	16.7	18.5	19.8	21.0	22.3	23.6	24.6
92.5°	12.0	12.1	13.7	15.2	16.9	18.5	19.8	21.0	22.3	23.6	24.4
95°	62.7	57.4	47.7	38.0	28.2	18.5	19.8	21.0	22.3	23.6	24.3
97.5°	142.9	133.9	114.7	95.4	76.1	56.8	49.6	42.4	35.1	27.8	24.3
100°	195.9	196.8	197.8	198.9	199.8	200.9	162.6	124.4	86.2	48.0	28.4
102.5°	253.1	253.9	254.5	255.1	255.7	256.3	249.1	241.8	234.6	227.4	215.0
105°	343.6	344.0	344.0	344.0	344.0	344.0	344.0	344.0	344.0	344.0	343.9
107.5°	433.2	433.5	434.0	434.4	435.0	435.5	435.5	435.6	435.7	435.7	435.3
110°	494.2	494.4	494.9	495.4	496.0	496.4	495.7	494.9	494.2	493.4	493.1



TEST NUMBER: P333478-940

CATALOG NUMBER: S125DIW-S1270D1340U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	553.8	554.4	554.6	554.9	555.3	555.5	554.6	553.6	552.7	551.7	551.0
115°	642.5	643.2	643.5	643.7	644.0	644.3	643.2	642.2	641.1	640.2	638.8
117.5°	726.0	726.5	727.5	728.4	729.4	730.4	729.1	727.7	726.4	725.1	724.0
120°	780.6	780.9	781.6	782.4	783.2	783.9	783.5	782.9	782.4	781.9	781.0
122.5°	834.5	835.2	835.5	835.9	836.2	836.6	836.1	835.5	835.0	834.6	833.5
125°	913.5	914.4	914.4	914.4	914.4	914.4	913.4	912.3	911.3	910.3	909.4
127.5°	983.7	984.3	984.1	984.0	983.8	983.6	983.1	982.6	982.0	981.4	980.2
130°	1028.1	1028.9	1029.1	1029.3	1029.6	1029.8	1029.1	1028.3	1027.5	1026.8	1025.7
132.5°	1073.2	1073.7	1073.1	1072.5	1072.0	1071.4	1071.3	1071.1	1070.9	1070.8	1070.1
135°	1136.5	1136.9	1136.5	1136.0	1135.4	1134.9	1134.4	1133.9	1133.4	1132.8	1131.8
137.5°	1193.6	1194.0	1193.6	1193.1	1192.7	1192.2	1192.3	1192.4	1192.5	1192.6	1191.9
140°	1228.2	1228.3	1228.1	1227.8	1227.5	1227.3	1227.8	1228.3	1228.8	1229.3	1228.8
142.5°	1261.5	1261.9	1262.2	1262.6	1262.9	1263.3	1263.4	1263.5	1263.6	1263.7	1263.0
145°	1312.4	1312.7	1312.7	1312.7	1312.7	1312.7	1313.0	1313.2	1313.5	1313.8	1313.1
147.5°	1353.9	1354.0	1354.2	1354.6	1354.9	1355.2	1355.5	1355.8	1356.1	1356.5	1355.7
150°	1379.9	1379.9	1380.5	1381.0	1381.4	1382.0	1382.5	1383.0	1383.5	1384.0	1383.2
152.5°	1404.3	1403.9	1404.4	1405.0	1405.5	1406.0	1406.5	1407.0	1407.6	1408.0	1407.4
155°	1437.0	1436.5	1437.0	1437.5	1438.1	1438.6	1439.3	1440.1	1440.8	1441.6	1441.0
157.5°	1466.1	1465.6	1465.6	1465.7	1465.8	1465.8	1466.6	1467.5	1468.3	1469.1	1468.5
160°	1482.0	1481.4	1481.7	1481.9	1482.2	1482.5	1483.5	1484.5	1485.5	1486.6	1486.0
162.5°	1496.8	1496.2	1496.5	1496.7	1496.9	1497.2	1498.6	1500.0	1501.6	1503.0	1502.5
165°	1516.7	1516.0	1516.3	1516.5	1516.8	1517.1	1518.6	1520.1	1521.7	1523.2	1523.0
167.5°	1531.2	1530.6	1530.8	1531.1	1531.3	1531.6	1533.5	1535.3	1537.1	1539.0	1538.7
170°	1538.7	1537.9	1538.2	1538.5	1538.7	1539.0	1541.1	1543.1	1545.2	1547.2	1547.1
172.5°	1544.3	1543.6	1544.1	1544.5	1545.0	1545.4	1547.3	1549.2	1551.0	1552.8	1552.6
175°	1551.3	1550.7	1551.0	1551.2	1551.5	1551.7	1553.7	1555.8	1557.8	1559.9	1559.8
177.5°	1555.3	1554.8	1555.1	1555.2	1555.4	1555.6	1557.1	1558.5	1560.0	1561.4	1561.3
180°	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5



TEST NUMBER: P333478-940

CATALOG NUMBER: S125DIW-S1270D1340U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1560.4	1564.2	1560.9	1565.4	1560.9	1564.2	1560.4	1563.7	1568.7	1565.4	1573.2
5°	1438.2	1431.9	1436.1	1433.3	1436.1	1431.9	1438.2	1441.6	1450.0	1452.8	1458.3
7.5°	1325.3	1319.3	1312.5	1309.3	1312.5	1319.3	1325.3	1327.4	1334.4	1344.9	1352.8
10°	1254.6	1247.1	1246.3	1241.4	1246.3	1247.1	1254.6	1262.3	1267.2	1280.4	1289.4
12.5°	1202.9	1195.9	1187.9	1185.9	1187.9	1195.9	1202.9	1209.5	1211.0	1225.9	1232.2
15°	1129.5	1124.0	1119.1	1123.3	1119.1	1124.0	1129.5	1133.7	1141.4	1151.8	1158.8
17.5°	1068.5	1063.9	1063.1	1057.9	1063.1	1063.9	1068.5	1070.9	1083.4	1090.2	1102.2
20°	1030.2	1026.7	1028.1	1019.0	1028.1	1026.7	1030.2	1036.4	1048.9	1052.4	1064.9
22.5°	999.6	992.7	991.9	990.2	991.9	992.7	999.6	1005.2	1007.8	1018.5	1027.1
25°	951.6	948.2	944.7	948.2	944.7	948.2	951.6	957.9	960.6	968.3	976.6
27.5°	909.7	905.6	904.6	905.0	904.6	905.6	909.7	909.2	916.7	922.8	929.0
30°	884.2	877.3	877.9	877.3	877.9	877.3	884.2	884.2	888.3	893.9	899.5
32.5°	856.4	851.7	850.7	849.4	850.7	851.7	856.4	855.2	860.5	867.2	873.3
35°	815.4	815.4	811.9	811.9	811.9	815.4	815.4	817.4	823.0	823.0	829.9
37.5°	776.9	776.1	774.1	774.4	774.1	776.1	776.9	778.6	780.4	783.4	787.8
40°	748.0	747.3	745.1	741.0	745.1	747.3	748.0	750.7	752.1	755.5	758.4
42.5°	720.1	717.7	716.8	715.4	716.8	717.7	720.1	721.8	722.6	727.2	732.8
45°	676.4	676.4	674.9	674.2	674.9	676.4	676.4	676.4	677.1	682.6	685.4
47.5°	633.8	635.1	637.7	637.3	637.7	635.1	633.8	632.7	632.9	635.8	638.9
50°	608.2	608.9	611.0	611.7	611.0	608.9	608.2	605.5	604.0	604.0	606.1
52.5°	579.9	583.9	586.6	586.1	586.6	583.9	579.9	577.7	575.2	571.8	575.0
55°	540.1	544.9	549.8	550.5	549.8	544.9	540.1	533.9	531.1	525.5	527.6
57.5°	500.8	507.6	512.7	514.3	512.7	507.6	500.8	493.2	484.2	481.6	477.7
60°	474.0	483.1	489.4	492.1	489.4	483.1	474.0	467.1	455.3	447.6	444.9
62.5°	448.4	458.6	464.8	465.5	464.8	458.6	448.4	437.7	425.8	417.1	411.5
65°	406.6	417.1	422.6	426.8	422.6	417.1	406.6	394.8	381.7	369.8	363.6
67.5°	361.6	372.0	378.2	381.5	378.2	372.0	361.6	347.0	334.9	321.3	313.9
70°	328.8	339.2	347.6	350.4	347.6	339.2	328.8	311.4	301.0	288.5	282.2
72.5°	296.5	305.9	312.5	315.8	312.5	305.9	296.5	280.3	268.1	255.7	247.2
75°	240.5	253.0	259.3	262.8	259.3	253.0	240.5	231.5	217.6	204.4	197.4
77.5°	185.5	196.9	200.6	202.4	200.6	196.9	185.5	174.9	164.3	154.7	147.9
80°	148.7	155.7	160.6	161.2	160.6	155.7	148.7	140.4	132.1	123.1	116.8
82.5°	114.3	120.1	121.6	123.4	121.6	120.1	114.3	107.0	99.8	93.0	87.8
85°	62.6	65.4	66.1	65.4	66.1	65.4	62.6	57.7	54.2	50.7	48.7
87.5°	25.7	25.2	25.4	26.7	25.4	25.2	25.7	24.4	24.7	23.4	22.0
90°	25.4	26.1	26.9	27.7	26.9	26.1	25.4	24.6	23.6	22.3	21.0
92.5°	24.8	25.1	25.5	25.9	25.5	25.1	24.8	24.4	23.6	22.3	21.0
95°	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	23.6	22.3	21.0
97.5°	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	27.8	35.1	42.4
100°	27.3	26.3	25.2	24.3	25.2	26.3	27.3	28.4	48.0	86.2	124.4
102.5°	197.6	180.1	162.6	145.3	162.6	180.1	197.6	215.0	227.4	234.6	241.8
105°	343.7	343.4	343.1	342.9	343.1	343.4	343.7	343.9	344.0	344.0	344.0
107.5°	434.5	433.8	433.0	432.3	433.0	433.8	434.5	435.3	435.7	435.7	435.6
110°	493.4	493.7	493.9	494.2	493.9	493.7	493.4	493.1	493.4	494.2	494.9



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CATALOG NUMBER: S125DIW-S1270D1340U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	550.6	550.3	549.9	549.6	549.9	550.3	550.6	551.0	551.7	552.7	553.6
115°	637.3	635.8	634.2	632.7	634.2	635.8	637.3	638.8	640.2	641.1	642.2
117.5°	723.4	722.7	722.0	721.4	722.0	722.7	723.4	724.0	725.1	726.4	727.7
120°	779.7	778.4	777.1	775.9	777.1	778.4	779.7	781.0	781.9	782.4	782.9
122.5°	832.1	830.5	829.0	827.6	829.0	830.5	832.1	833.5	834.6	835.0	835.5
125°	908.7	907.9	907.0	906.3	907.0	907.9	908.7	909.4	910.3	911.3	912.3
127.5°	978.3	976.4	974.5	972.6	974.5	976.4	978.3	980.2	981.4	982.0	982.6
130°	1024.5	1023.1	1021.9	1020.7	1021.9	1023.1	1024.5	1025.7	1026.8	1027.5	1028.3
132.5°	1068.8	1067.6	1066.2	1065.0	1066.2	1067.6	1068.8	1070.1	1070.8	1070.9	1071.1
135°	1130.3	1128.7	1127.2	1125.7	1127.2	1128.7	1130.3	1131.8	1132.8	1133.4	1133.9
137.5°	1190.6	1189.3	1187.9	1186.6	1187.9	1189.3	1190.6	1191.9	1192.6	1192.5	1192.4
140°	1227.3	1225.7	1224.2	1222.6	1224.2	1225.7	1227.3	1228.8	1229.3	1228.8	1228.3
142.5°	1261.4	1259.9	1258.4	1256.9	1258.4	1259.9	1261.4	1263.0	1263.7	1263.6	1263.5
145°	1311.5	1310.0	1308.5	1307.0	1308.5	1310.0	1311.5	1313.1	1313.8	1313.5	1313.2
147.5°	1353.8	1351.9	1350.1	1348.3	1350.1	1351.9	1353.8	1355.7	1356.5	1356.1	1355.8
150°	1381.2	1379.1	1377.1	1375.0	1377.1	1379.1	1381.2	1383.2	1384.0	1383.5	1383.0
152.5°	1405.5	1403.7	1401.9	1400.0	1401.9	1403.7	1405.5	1407.4	1408.0	1407.6	1407.0
155°	1439.0	1436.9	1434.9	1432.8	1434.9	1436.9	1439.0	1441.0	1441.6	1440.8	1440.1
157.5°	1466.4	1464.4	1462.3	1460.3	1462.3	1464.4	1466.4	1468.5	1469.1	1468.3	1467.5
160°	1484.0	1481.9	1479.9	1477.8	1479.9	1481.9	1484.0	1486.0	1486.6	1485.5	1484.5
162.5°	1500.3	1498.0	1495.8	1493.5	1495.8	1498.0	1500.3	1502.5	1503.0	1501.6	1500.0
165°	1520.9	1518.9	1516.8	1514.7	1516.8	1518.9	1520.9	1523.0	1523.2	1521.7	1520.1
167.5°	1536.4	1534.2	1531.9	1529.6	1531.9	1534.2	1536.4	1538.7	1539.0	1537.1	1535.3
170°	1544.8	1542.5	1540.2	1537.8	1540.2	1542.5	1544.8	1547.1	1547.2	1545.2	1543.1
172.5°	1550.3	1548.0	1545.7	1543.4	1545.7	1548.0	1550.3	1552.6	1552.8	1551.0	1549.2
175°	1557.5	1555.1	1552.8	1550.5	1552.8	1555.1	1557.5	1559.8	1559.9	1557.8	1555.8
177.5°	1559.6	1558.0	1556.3	1554.7	1556.3	1558.0	1559.6	1561.3	1561.4	1560.0	1558.5
180°	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1565.9	1572.6	1580.9	1587.1	1598.2	1603.2	1609.3	1614.4	1623.2	1631.6	1641.6
5°	1460.4	1472.2	1488.3	1505.6	1525.8	1539.6	1559.2	1570.9	1594.6	1616.1	1637.0
7.5°	1364.8	1379.2	1401.9	1424.2	1450.5	1474.4	1498.8	1525.8	1555.9	1591.5	1621.0
10°	1299.1	1318.7	1342.9	1370.7	1402.8	1430.6	1463.2	1492.4	1529.2	1570.9	1609.9
12.5°	1246.9	1263.6	1290.7	1317.4	1351.6	1385.5	1419.2	1457.9	1500.8	1547.0	1596.0
15°	1174.7	1188.7	1210.9	1247.7	1282.5	1315.8	1366.5	1402.8	1457.0	1508.4	1567.4
17.5°	1113.1	1130.4	1149.1	1180.7	1216.7	1258.4	1303.8	1349.1	1401.3	1466.5	1533.1
20°	1075.3	1089.2	1110.8	1135.1	1173.3	1215.0	1258.1	1304.0	1368.0	1435.4	1507.0
22.5°	1034.2	1049.2	1073.5	1100.1	1132.2	1172.2	1219.8	1270.1	1336.9	1403.1	1480.9
25°	985.7	996.1	1018.3	1042.0	1074.0	1108.0	1157.4	1213.0	1279.0	1354.8	1434.0
27.5°	940.0	949.1	969.4	990.0	1018.9	1059.4	1103.4	1159.6	1221.8	1298.6	1386.4
30°	907.1	916.9	935.0	957.2	985.0	1020.4	1065.6	1118.5	1185.2	1260.3	1352.0
32.5°	878.8	887.3	901.0	923.3	950.5	984.8	1026.7	1080.6	1147.4	1223.5	1313.6
35°	834.8	844.5	855.0	872.4	896.0	929.3	975.3	1026.0	1089.9	1163.6	1246.3
37.5°	791.2	801.7	811.0	826.6	848.2	877.6	917.3	970.1	1028.0	1098.9	1178.3
40°	763.9	772.2	779.9	796.6	818.1	846.0	882.8	930.1	991.2	1057.3	1123.3
42.5°	736.6	744.5	751.0	765.4	785.3	812.0	847.2	893.3	950.1	1011.6	1069.9
45°	693.8	698.6	706.2	718.7	734.8	759.0	793.1	834.1	882.1	940.5	984.3
47.5°	647.3	655.0	661.2	672.2	685.3	709.2	741.8	776.7	820.2	863.6	894.5
50°	611.7	619.4	628.4	638.8	651.3	673.6	703.5	738.9	775.7	809.1	835.5
52.5°	578.4	585.4	595.0	604.8	620.2	639.1	664.5	696.1	732.4	756.3	778.3
55°	529.0	532.4	543.6	553.3	567.9	581.8	607.5	635.3	657.5	675.6	693.8
57.5°	478.5	483.2	489.6	498.4	512.8	529.1	547.2	571.8	584.9	594.1	608.2
60°	446.3	447.6	451.8	462.3	473.4	487.9	508.8	526.2	535.9	543.6	555.4
62.5°	410.6	411.0	417.9	425.5	433.9	449.6	466.5	480.6	488.7	492.4	503.6
65°	360.8	359.4	363.6	369.8	379.5	389.9	404.6	417.1	416.3	420.5	427.5
67.5°	309.8	308.4	308.4	314.3	322.3	331.5	341.6	348.8	348.9	354.5	358.0
70°	275.3	271.1	273.8	278.7	282.2	289.9	301.0	303.8	304.4	307.2	310.7
72.5°	239.7	238.3	240.5	242.6	245.0	250.9	260.4	262.1	262.2	263.9	269.6
75°	190.5	189.0	187.7	189.8	192.5	196.7	200.2	203.0	202.2	203.0	207.1
77.5°	142.8	138.8	138.2	139.3	140.0	142.5	146.2	145.8	146.5	146.4	151.1
80°	113.3	107.7	107.0	107.0	107.7	109.1	110.5	111.9	109.9	111.9	113.3
82.5°	83.3	79.9	79.8	79.3	79.4	79.6	80.5	81.3	80.9	81.9	82.8
85°	45.8	44.5	42.4	43.8	43.1	41.0	42.4	40.3	39.6	40.3	41.0
87.5°	19.5	19.8	18.4	18.0	17.0	17.3	15.8	14.8	13.8	14.0	15.2
90°	19.8	18.5	16.7	14.9	13.1	11.3	9.4	7.3	5.3	3.2	1.2
92.5°	19.8	18.5	16.9	15.2	13.7	12.1	12.0	13.5	14.9	16.3	17.7
95°	19.8	18.5	28.2	38.0	47.7	57.4	62.7	63.5	64.3	65.0	65.8
97.5°	49.6	56.8	76.1	95.4	114.7	133.9	142.9	141.5	140.2	138.8	137.4
100°	162.6	200.9	199.8	198.9	197.8	196.8	195.9	195.1	194.3	193.6	192.8
102.5°	249.1	256.3	255.7	255.1	254.5	253.9	253.1	252.1	251.1	250.1	249.1
105°	344.0	344.0	344.0	344.0	344.0	344.0	343.6	342.5	341.5	340.5	339.5
107.5°	435.5	435.5	435.0	434.4	434.0	433.5	433.2	433.2	433.2	433.2	433.2
110°	495.7	496.4	496.0	495.4	494.9	494.4	494.2	494.2	494.2	494.2	494.2



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	554.6	555.5	555.3	554.9	554.6	554.4	553.8	553.2	552.7	552.1	551.4
115°	643.2	644.3	644.0	643.7	643.5	643.2	642.5	641.1	639.9	638.6	637.3
117.5°	729.1	730.4	729.4	728.4	727.5	726.5	726.0	726.0	726.1	726.1	726.2
120°	783.5	783.9	783.2	782.4	781.6	780.9	780.6	780.9	781.1	781.4	781.6
122.5°	836.1	836.6	836.2	835.9	835.5	835.2	834.5	833.5	832.5	831.5	830.5
125°	913.4	914.4	914.4	914.4	914.4	914.4	913.5	911.7	909.9	908.1	906.3
127.5°	983.1	983.6	983.8	984.0	984.1	984.3	983.7	982.4	981.1	979.9	978.6
130°	1029.1	1029.8	1029.6	1029.3	1029.1	1028.9	1028.1	1026.8	1025.5	1024.2	1022.9
132.5°	1071.3	1071.4	1072.0	1072.5	1073.1	1073.7	1073.2	1071.7	1070.2	1068.7	1067.3
135°	1134.4	1134.9	1135.4	1136.0	1136.5	1136.9	1136.5	1134.9	1133.4	1131.8	1130.3
137.5°	1192.3	1192.2	1192.7	1193.1	1193.6	1194.0	1193.6	1192.2	1190.9	1189.5	1188.3
140°	1227.8	1227.3	1227.5	1227.8	1228.1	1228.3	1228.2	1227.6	1227.2	1226.6	1226.1
142.5°	1263.4	1263.3	1262.9	1262.6	1262.2	1261.9	1261.5	1261.2	1260.9	1260.6	1260.3
145°	1313.0	1312.7	1312.7	1312.7	1312.7	1312.7	1312.4	1312.0	1311.4	1310.9	1310.4
147.5°	1355.5	1355.2	1354.9	1354.6	1354.2	1354.0	1353.9	1354.0	1354.1	1354.2	1354.2
150°	1382.5	1382.0	1381.4	1381.0	1380.5	1379.9	1379.9	1380.5	1381.0	1381.4	1382.0
152.5°	1406.5	1406.0	1405.5	1405.0	1404.4	1403.9	1404.3	1405.4	1406.5	1407.7	1408.7
155°	1439.3	1438.6	1438.1	1437.5	1437.0	1436.5	1437.0	1438.6	1440.1	1441.6	1443.1
157.5°	1466.6	1465.8	1465.8	1465.7	1465.6	1465.6	1466.1	1467.0	1467.8	1468.8	1469.7
160°	1483.5	1482.5	1482.2	1481.9	1481.7	1481.4	1482.0	1483.5	1485.1	1486.7	1488.2
162.5°	1498.6	1497.2	1496.9	1496.7	1496.5	1496.2	1496.8	1498.3	1499.9	1501.5	1503.0
165°	1518.6	1517.1	1516.8	1516.5	1516.3	1516.0	1516.7	1518.2	1519.7	1521.3	1522.9
167.5°	1533.5	1531.6	1531.3	1531.1	1530.8	1530.6	1531.2	1532.9	1534.5	1536.1	1537.6
170°	1541.1	1539.0	1538.7	1538.5	1538.2	1537.9	1538.7	1540.5	1542.3	1544.2	1546.0
172.5°	1547.3	1545.4	1545.0	1544.5	1544.1	1543.6	1544.3	1546.0	1547.9	1549.7	1551.5
175°	1553.7	1551.7	1551.5	1551.2	1551.0	1550.7	1551.3	1552.8	1554.4	1555.9	1557.5
177.5°	1557.1	1555.6	1555.4	1555.2	1555.1	1554.8	1555.3	1556.6	1557.8	1559.0	1560.2
180°	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1646.5	1654.4	1659.4	1668.8	1676.6	1681.1	1685.0	1688.3	1692.2	1695.5	1705.0
5°	1657.2	1675.2	1690.5	1714.1	1735.7	1752.4	1770.4	1786.5	1799.7	1818.4	1833.0
7.5°	1652.5	1684.6	1718.3	1754.9	1792.2	1827.0	1859.0	1888.9	1916.0	1948.8	1977.5
10°	1648.1	1691.9	1735.0	1784.3	1835.1	1878.2	1918.5	1959.5	1989.4	2031.1	2066.5
12.5°	1644.8	1696.3	1748.4	1807.7	1863.4	1924.3	1978.0	2007.9	2053.3	2086.7	2128.9
15°	1630.8	1698.9	1770.4	1837.2	1916.4	1972.7	2020.0	2078.4	2120.8	2163.2	2209.0
17.5°	1605.5	1682.7	1762.8	1850.2	1926.3	1986.7	2047.6	2104.0	2154.6	2211.4	2268.5
20°	1593.8	1671.1	1762.8	1852.4	1926.8	1990.1	2052.6	2114.5	2170.2	2243.1	2309.2
22.5°	1569.4	1662.7	1747.2	1834.7	1911.3	1980.0	2051.0	2121.2	2195.1	2277.6	2360.3
25°	1525.8	1620.3	1709.9	1796.2	1873.3	1959.5	2035.2	2129.1	2223.7	2332.8	2435.6
27.5°	1480.4	1570.9	1653.1	1736.3	1826.3	1924.0	2022.2	2128.7	2252.5	2390.2	2535.3
30°	1443.8	1529.2	1609.2	1694.7	1788.5	1898.4	2006.1	2132.6	2275.8	2430.8	2603.2
32.5°	1400.9	1479.7	1557.5	1648.0	1750.2	1866.1	1991.6	2130.4	2302.5	2478.6	2656.0
35°	1327.7	1393.7	1473.6	1570.2	1685.6	1818.4	1963.7	2127.7	2325.1	2527.4	2676.8
37.5°	1240.7	1302.3	1386.4	1492.4	1613.4	1755.9	1928.2	2122.9	2332.5	2493.8	2542.0
40°	1182.4	1239.4	1327.0	1436.8	1560.5	1711.4	1900.4	2106.2	2309.2	2412.0	2372.4
42.5°	1120.1	1179.9	1265.2	1373.9	1507.2	1671.3	1865.4	2071.2	2241.3	2280.2	2143.3
45°	1021.8	1083.7	1167.8	1277.6	1420.8	1598.7	1801.0	1988.0	2086.0	2015.8	1803.8
47.5°	930.5	988.5	1066.4	1179.7	1327.5	1511.5	1706.4	1855.6	1863.3	1695.8	1469.4
50°	868.2	921.7	1000.2	1113.6	1260.3	1446.5	1622.4	1739.8	1687.0	1497.3	1279.7
52.5°	807.0	859.4	936.8	1049.1	1194.1	1364.8	1528.4	1610.9	1511.3	1316.5	1130.7
55°	718.7	764.6	840.3	944.0	1081.6	1240.1	1379.1	1407.6	1278.3	1086.5	935.6
57.5°	632.6	675.4	744.3	839.7	965.5	1105.9	1214.6	1208.5	1071.8	907.2	787.6
60°	574.2	615.9	677.1	770.2	884.8	1005.8	1098.9	1076.7	941.2	799.4	698.6
62.5°	521.9	559.1	617.0	698.5	803.2	915.2	991.7	958.9	826.1	702.0	622.4
65°	444.9	476.2	525.5	595.0	681.9	774.4	833.4	791.0	677.7	581.1	517.2
67.5°	371.3	396.4	437.7	493.2	567.3	641.6	677.6	634.9	544.3	473.8	426.4
70°	324.6	346.9	378.8	428.2	492.8	555.4	582.5	544.3	466.5	405.9	371.8
72.5°	277.9	296.2	324.3	368.7	420.5	474.7	498.6	462.0	398.1	347.0	315.1
75°	214.8	227.3	246.7	277.3	318.3	361.5	374.7	342.7	301.7	263.4	242.6
77.5°	153.7	164.3	179.1	198.4	227.5	254.9	266.4	247.9	216.2	192.0	174.9
80°	118.2	123.8	136.3	152.2	175.1	192.5	200.2	188.4	166.1	148.0	134.8
82.5°	84.3	89.8	97.3	110.5	125.1	137.0	145.2	137.2	121.1	106.9	99.2
85°	41.0	44.5	48.7	54.2	65.4	72.3	71.6	66.7	60.5	54.9	50.7
87.5°	15.1	16.1	18.1	21.3	23.4	25.9	27.5	26.7	24.8	23.5	22.0
90°	3.2	5.3	7.3	9.4	11.3	13.1	14.9	16.7	18.5	19.8	21.0
92.5°	16.3	14.9	13.5	12.0	12.1	13.7	15.2	16.9	18.5	19.8	21.0
95°	65.0	64.3	63.5	62.7	57.4	47.7	38.0	28.2	18.5	19.8	21.0
97.5°	138.8	140.2	141.5	142.9	133.9	114.7	95.4	76.1	56.8	49.6	42.4
100°	193.6	194.3	195.1	195.9	196.8	197.8	198.9	199.8	200.9	162.6	124.4
102.5°	250.1	251.1	252.1	253.1	253.9	254.5	255.1	255.7	256.3	249.1	241.8
105°	340.5	341.5	342.5	343.6	344.0	344.0	344.0	344.0	344.0	344.0	344.0
107.5°	433.2	433.2	433.2	433.2	433.5	434.0	434.4	435.0	435.5	435.5	435.6
110°	494.2	494.2	494.2	494.2	494.4	494.9	495.4	496.0	496.4	495.7	494.9





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	552.1	552.7	553.2	553.8	554.4	554.6	554.9	555.3	555.5	554.6	553.6
115°	638.6	639.9	641.1	642.5	643.2	643.5	643.7	644.0	644.3	643.2	642.2
117.5°	726.1	726.1	726.0	726.0	726.5	727.5	728.4	729.4	730.4	729.1	727.7
120°	781.4	781.1	780.9	780.6	780.9	781.6	782.4	783.2	783.9	783.5	782.9
122.5°	831.5	832.5	833.5	834.5	835.2	835.5	835.9	836.2	836.6	836.1	835.5
125°	908.1	909.9	911.7	913.5	914.4	914.4	914.4	914.4	914.4	913.4	912.3
127.5°	979.9	981.1	982.4	983.7	984.3	984.1	984.0	983.8	983.6	983.1	982.6
130°	1024.2	1025.5	1026.8	1028.1	1028.9	1029.1	1029.3	1029.6	1029.8	1029.1	1028.3
132.5°	1068.7	1070.2	1071.7	1073.2	1073.7	1073.1	1072.5	1072.0	1071.4	1071.3	1071.1
135°	1131.8	1133.4	1134.9	1136.5	1136.9	1136.5	1136.0	1135.4	1134.9	1134.4	1133.9
137.5°	1189.5	1190.9	1192.2	1193.6	1194.0	1193.6	1193.1	1192.7	1192.2	1192.3	1192.4
140°	1226.6	1227.2	1227.6	1228.2	1228.3	1228.1	1227.8	1227.5	1227.3	1227.8	1228.3
142.5°	1260.6	1260.9	1261.2	1261.5	1261.9	1262.2	1262.6	1262.9	1263.3	1263.4	1263.5
145°	1310.9	1311.4	1312.0	1312.4	1312.7	1312.7	1312.7	1312.7	1312.7	1313.0	1313.2
147.5°	1354.2	1354.1	1354.0	1353.9	1354.0	1354.2	1354.6	1354.9	1355.2	1355.5	1355.8
150°	1381.4	1381.0	1380.5	1379.9	1379.9	1380.5	1381.0	1381.4	1382.0	1382.5	1383.0
152.5°	1407.7	1406.5	1405.4	1404.3	1403.9	1404.4	1405.0	1405.5	1406.0	1406.5	1407.0
155°	1441.6	1440.1	1438.6	1437.0	1436.5	1437.0	1437.5	1438.1	1438.6	1439.3	1440.1
157.5°	1468.8	1467.8	1467.0	1466.1	1465.6	1465.6	1465.7	1465.8	1465.8	1466.6	1467.5
160°	1486.7	1485.1	1483.5	1482.0	1481.4	1481.7	1481.9	1482.2	1482.5	1483.5	1484.5
162.5°	1501.5	1499.9	1498.3	1496.8	1496.2	1496.5	1496.7	1496.9	1497.2	1498.6	1500.0
165°	1521.3	1519.7	1518.2	1516.7	1516.0	1516.3	1516.5	1516.8	1517.1	1518.6	1520.1
167.5°	1536.1	1534.5	1532.9	1531.2	1530.6	1530.8	1531.1	1531.3	1531.6	1533.5	1535.3
170°	1544.2	1542.3	1540.5	1538.7	1537.9	1538.2	1538.5	1538.7	1539.0	1541.1	1543.1
172.5°	1549.7	1547.9	1546.0	1544.3	1543.6	1544.1	1544.5	1545.0	1545.4	1547.3	1549.2
175°	1555.9	1554.4	1552.8	1551.3	1550.7	1551.0	1551.2	1551.5	1551.7	1553.7	1555.8
177.5°	1559.0	1557.8	1556.6	1555.3	1554.8	1555.1	1555.2	1555.4	1555.6	1557.1	1558.5
180°	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1712.7	1717.2	1726.6	1723.3	1727.8	1730.0	1732.2
5°	1851.1	1873.3	1883.0	1881.7	1896.2	1892.7	1889.3
7.5°	2007.3	2030.7	2043.8	2060.0	2069.5	2070.2	2078.4
10°	2095.8	2126.4	2138.9	2156.2	2167.4	2173.6	2172.9
12.5°	2163.6	2187.5	2215.5	2224.1	2239.1	2247.0	2244.1
15°	2245.2	2283.4	2312.7	2327.2	2346.0	2351.5	2359.2
17.5°	2318.1	2369.4	2403.4	2448.7	2465.8	2476.3	2470.1
20°	2373.1	2440.5	2474.6	2528.8	2558.7	2574.7	2569.1
22.5°	2438.2	2511.1	2574.1	2621.1	2666.6	2688.2	2692.6
25°	2549.7	2649.7	2742.2	2804.1	2860.3	2873.5	2902.8
27.5°	2674.2	2792.2	2891.1	2956.2	2995.3	3010.1	3019.2
30°	2752.6	2870.1	2944.5	2986.2	2998.7	2997.3	2995.9
32.5°	2791.0	2864.5	2878.9	2867.2	2838.6	2814.3	2789.1
35°	2736.7	2681.7	2599.7	2494.0	2416.2	2337.6	2330.0
37.5°	2461.2	2285.6	2149.1	1996.6	1908.6	1854.3	1816.8
40°	2202.1	2002.6	1837.2	1708.6	1618.9	1583.5	1548.7
42.5°	1920.7	1730.1	1583.6	1476.1	1408.7	1369.4	1341.8
45°	1560.5	1392.3	1277.6	1199.8	1146.2	1115.6	1098.2
47.5°	1278.7	1154.3	1056.9	1000.7	963.7	940.0	940.0
50°	1127.5	1008.6	944.0	899.5	867.5	848.7	852.2
52.5°	993.5	904.6	849.4	812.2	788.5	776.9	776.6
55°	830.6	766.7	730.6	703.5	687.4	674.2	677.1
57.5°	710.5	656.6	632.4	609.9	598.8	593.5	585.9
60°	636.1	594.3	573.5	555.4	544.3	540.1	532.4
62.5°	569.9	537.1	516.7	502.0	492.0	490.6	484.6
65°	478.9	453.9	435.9	428.9	418.5	415.7	415.7
67.5°	394.8	376.9	362.8	356.4	351.9	352.6	349.2
70°	342.0	327.4	318.3	311.4	307.9	308.6	305.9
72.5°	299.2	282.9	275.0	270.8	266.3	268.0	266.9
75°	226.6	218.3	214.1	209.9	207.1	205.7	204.4
77.5°	166.4	159.1	155.9	153.5	153.9	150.5	153.2
80°	128.6	122.3	120.3	116.8	116.1	116.1	115.4
82.5°	94.1	90.6	89.1	86.2	85.0	86.1	84.3
85°	48.7	45.8	45.2	45.2	43.8	42.4	45.8
87.5°	22.3	20.3	20.5	20.1	20.2	19.9	18.9
90°	22.3	23.6	24.6	25.4	26.1	26.9	27.7
92.5°	22.3	23.6	24.4	24.8	25.1	25.5	25.9
95°	22.3	23.6	24.3	24.3	24.3	24.3	24.3
97.5°	35.1	27.8	24.3	24.3	24.3	24.3	24.3
100°	86.2	48.0	28.4	27.3	26.3	25.2	24.3
102.5°	234.6	227.4	215.0	197.6	180.1	162.6	145.3
105°	344.0	344.0	343.9	343.7	343.4	343.1	342.9
107.5°	435.7	435.7	435.3	434.5	433.8	433.0	432.3
110°	494.2	493.4	493.1	493.4	493.7	493.9	494.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	552.7	551.7	551.0	550.6	550.3	549.9	549.6
115°	641.1	640.2	638.8	637.3	635.8	634.2	632.7
117.5°	726.4	725.1	724.0	723.4	722.7	722.0	721.4
120°	782.4	781.9	781.0	779.7	778.4	777.1	775.9
122.5°	835.0	834.6	833.5	832.1	830.5	829.0	827.6
125°	911.3	910.3	909.4	908.7	907.9	907.0	906.3
127.5°	982.0	981.4	980.2	978.3	976.4	974.5	972.6
130°	1027.5	1026.8	1025.7	1024.5	1023.1	1021.9	1020.7
132.5°	1070.9	1070.8	1070.1	1068.8	1067.6	1066.2	1065.0
135°	1133.4	1132.8	1131.8	1130.3	1128.7	1127.2	1125.7
137.5°	1192.5	1192.6	1191.9	1190.6	1189.3	1187.9	1186.6
140°	1228.8	1229.3	1228.8	1227.3	1225.7	1224.2	1222.6
142.5°	1263.6	1263.7	1263.0	1261.4	1259.9	1258.4	1256.9
145°	1313.5	1313.8	1313.1	1311.5	1310.0	1308.5	1307.0
147.5°	1356.1	1356.5	1355.7	1353.8	1351.9	1350.1	1348.3
150°	1383.5	1384.0	1383.2	1381.2	1379.1	1377.1	1375.0
152.5°	1407.6	1408.0	1407.4	1405.5	1403.7	1401.9	1400.0
155°	1440.8	1441.6	1441.0	1439.0	1436.9	1434.9	1432.8
157.5°	1468.3	1469.1	1468.5	1466.4	1464.4	1462.3	1460.3
160°	1485.5	1486.6	1486.0	1484.0	1481.9	1479.9	1477.8
162.5°	1501.6	1503.0	1502.5	1500.3	1498.0	1495.8	1493.5
165°	1521.7	1523.2	1523.0	1520.9	1518.9	1516.8	1514.7
167.5°	1537.1	1539.0	1538.7	1536.4	1534.2	1531.9	1529.6
170°	1545.2	1547.2	1547.1	1544.8	1542.5	1540.2	1537.8
172.5°	1551.0	1552.8	1552.6	1550.3	1548.0	1545.7	1543.4
175°	1557.8	1559.9	1559.8	1557.5	1555.1	1552.8	1550.5
177.5°	1560.0	1561.4	1561.3	1559.6	1558.0	1556.3	1554.7
180°	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5	1557.5

(END OF REPORT)