

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: P333484-935

Luminaire Tested: **S125DIW-S1270D1560U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333484-935
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-S1270D1560U935-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9834.9 lumens
Efficiency: N/A
Efficacy: 118.6 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

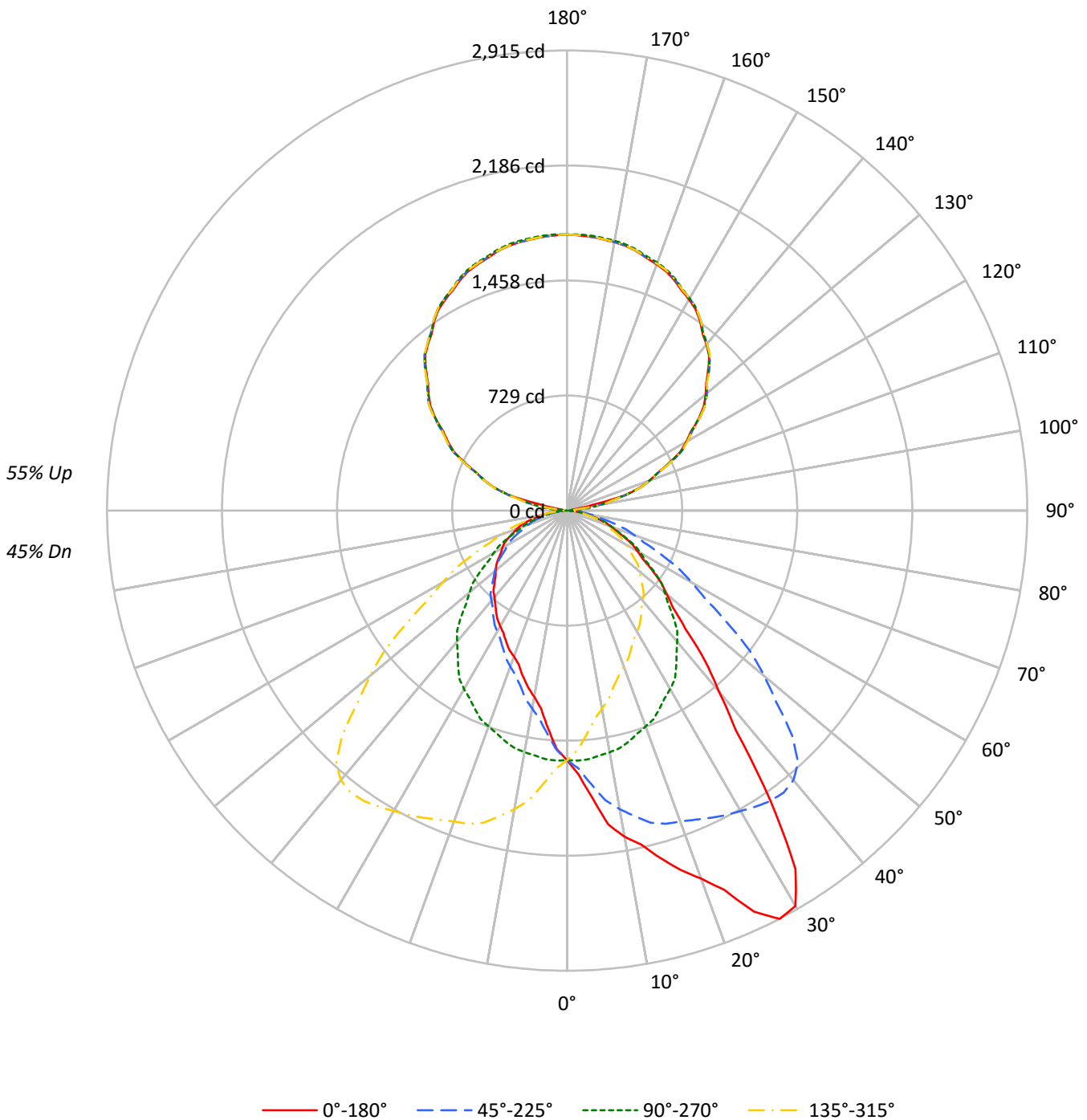
Input Watts (W): 82.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	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	63	59	56	51	49	46	41	39	38	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°	10213	10213	10213	10213
5°	11826	10247	8972	10247
10°	13759	10194	7861	10194
15°	15230	10120	7252	10120
20°	17049	10001	6763	10001
25°	19973	9867	6524	9867
30°	21572	9735	6317	9735
35°	17738	9488	6180	9488
40°	12607	9144	6032	9144
45°	9685	8680	5946	8680
50°	8268	8106	5934	8106
55°	7362	7543	5986	7543
60°	6640	6926	6138	6926
65°	6134	6308	6298	6308
70°	5576	5665	6388	5665
75°	4923	4991	6331	4991
80°	4143	4069	5791	4069
85°	3283	2934	4676	2934



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.2	1.5
10°-20°	453.2	4.6
20°-30°	736.0	7.5
30°-40°	897.7	9.1
40°-50°	816.7	8.3
50°-60°	650.5	6.6
60°-70°	453.1	4.6
70°-80°	241.6	2.5
80°-90°	64.6	0.7
90°-100°	63.5	0.6
100°-110°	391.6	4.0
110°-120°	710.2	7.2
120°-130°	911.5	9.3
130°-140°	980.4	10.0
140°-150°	920.2	9.4
150°-160°	744.4	7.6
160°-170°	481.4	4.9
170°-180°	166.0	1.7
0°-30°	1341.4	13.6
0°-40°	2239.2	22.8
0°-60°	3706.4	37.7
0°-90°	4465.7	45.4
90°-120°	1165.3	11.8
90°-150°	3977.4	40.4
90°-180°	5369.0	54.6
0°-180°	9834.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1581	1581	1581	1581	1581	
5°	1824	1581	1384	1581	1824	184
15°	2278	1514	1085	1514	2278	652
25°	2803	1385	916	1385	2803	1280
35°	2250	1203	784	1203	2250	1377
45°	1060	950	651	950	1060	849
55°	654	670	532	670	654	589
65°	401	413	412	413	401	398
75°	197	200	254	200	197	212
85°	44	40	63	40	44	52
90°	31	1	31	1	31	15
95°	27	74	27	74	27	22
105°	385	381	385	381	385	348
115°	710	716	710	716	710	705
125°	1017	1017	1017	1017	1017	905
135°	1264	1269	1264	1269	1264	975
145°	1467	1471	1467	1471	1467	916
155°	1608	1620	1608	1620	1608	741
165°	1700	1710	1700	1710	1700	480
175°	1741	1748	1741	1748	1741	166
180°	1748	1748	1748	1748	1748	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1672.6	1670.4	1668.3	1664.0	1667.2	1658.0	1653.7	1646.2	1637.1	1633.9	1630.1
5°	1824.2	1827.6	1830.9	1816.9	1818.2	1808.8	1787.3	1769.9	1755.8	1737.7	1724.9
7.5°	2006.8	1998.9	1998.2	1989.1	1973.4	1960.8	1938.2	1909.4	1881.7	1850.0	1823.9
10°	2098.1	2098.8	2092.7	2082.0	2065.2	2053.1	2023.6	1995.4	1961.2	1920.9	1892.0
12.5°	2166.8	2169.6	2162.0	2147.5	2139.2	2112.2	2089.0	2055.6	2014.8	1982.6	1938.7
15°	2277.9	2270.5	2265.2	2247.0	2233.0	2204.8	2167.9	2133.0	2088.7	2047.7	2006.8
17.5°	2385.1	2391.0	2380.9	2364.4	2320.7	2287.8	2238.3	2190.4	2135.3	2080.3	2031.5
20°	2480.6	2486.1	2470.6	2441.7	2389.4	2356.5	2291.4	2229.6	2165.8	2095.4	2041.7
22.5°	2599.9	2595.6	2574.7	2530.8	2485.4	2424.7	2354.2	2279.0	2199.2	2119.5	2048.1
25°	2802.8	2774.6	2761.8	2707.5	2647.7	2558.5	2461.9	2351.7	2252.5	2147.1	2055.8
27.5°	2915.3	2906.4	2892.2	2854.4	2791.5	2696.0	2582.1	2448.0	2307.9	2174.9	2055.4
30°	2892.7	2894.1	2895.5	2883.3	2843.1	2771.2	2657.8	2513.5	2347.1	2197.4	2059.2
32.5°	2693.0	2717.4	2740.8	2768.5	2779.7	2765.9	2694.8	2564.6	2393.2	2223.2	2057.0
35°	2249.8	2257.1	2333.0	2408.1	2510.2	2589.4	2642.4	2584.6	2440.3	2245.1	2054.4
37.5°	1754.2	1790.4	1842.9	1927.9	2075.1	2206.9	2376.4	2454.5	2407.9	2252.2	2049.8
40°	1495.4	1529.0	1563.1	1649.8	1773.9	1933.6	2126.2	2290.7	2328.9	2229.6	2033.7
42.5°	1295.6	1322.2	1360.2	1425.3	1529.0	1670.5	1854.6	2069.5	2201.7	2164.1	1999.8
45°	1060.4	1077.2	1106.7	1158.5	1233.6	1344.4	1506.8	1741.7	1946.4	2014.1	1919.5
47.5°	907.7	907.6	930.5	966.2	1020.5	1114.6	1234.7	1418.8	1637.4	1799.1	1791.7
50°	822.9	819.5	837.6	868.5	911.5	973.9	1088.6	1235.6	1445.7	1628.9	1679.9
52.5°	749.8	750.2	761.4	784.2	820.2	873.5	959.2	1091.7	1271.2	1459.2	1555.4
55°	653.8	651.0	663.7	679.2	705.4	740.3	802.0	903.4	1049.0	1234.2	1359.1
57.5°	565.7	573.1	578.2	588.9	610.6	634.0	686.0	760.4	876.0	1034.9	1166.9
60°	514.1	521.5	525.6	536.2	553.7	573.9	614.2	674.5	771.9	908.8	1039.7
62.5°	468.0	473.7	475.0	484.7	498.9	518.6	550.3	601.0	677.9	797.6	925.8
65°	401.4	401.4	404.1	414.1	420.9	438.2	462.4	499.4	561.1	654.4	763.8
67.5°	337.2	340.4	339.8	344.1	350.3	363.9	381.3	411.7	457.4	525.6	613.0
70°	295.3	298.0	297.3	300.7	307.4	316.2	330.2	359.0	391.9	450.4	525.6
72.5°	257.7	258.8	257.1	261.5	265.5	273.2	288.9	304.3	335.0	384.4	446.1
75°	197.3	198.6	200.0	202.7	206.7	210.8	218.8	234.3	254.3	291.3	330.9
77.5°	147.9	145.3	148.6	148.2	150.5	153.6	160.7	168.8	185.4	208.7	239.4
80°	111.4	112.1	112.1	112.8	116.1	118.1	124.2	130.2	142.9	160.4	181.9
82.5°	81.4	83.1	82.1	83.3	86.0	87.5	90.8	95.8	103.2	116.9	132.5
85°	44.3	41.0	42.3	43.7	43.7	44.3	47.0	49.0	53.0	58.4	64.4
87.5°	19.1	20.0	20.4	20.2	20.6	20.3	22.2	21.9	23.2	24.5	26.3
90°	31.1	30.2	29.4	28.5	27.6	26.5	25.1	23.6	22.2	20.8	18.7
92.5°	29.0	28.7	28.2	27.8	27.4	26.5	25.1	23.6	22.2	20.8	18.9
95°	27.2	27.2	27.2	27.2	27.2	26.5	25.1	23.6	22.2	20.8	31.7
97.5°	27.2	27.2	27.2	27.2	27.2	31.3	39.4	47.5	55.6	63.8	85.4
100°	27.2	28.4	29.5	30.7	31.9	53.9	96.8	139.7	182.6	225.5	224.4
102.5°	163.1	182.6	202.2	221.8	241.4	255.3	263.4	271.5	279.7	287.7	287.1
105°	385.0	385.2	385.6	385.8	386.1	386.2	386.2	386.2	386.2	386.2	386.2
107.5°	485.3	486.1	487.0	487.8	488.7	489.1	489.0	489.0	489.0	488.9	488.4
110°	554.7	554.5	554.1	553.9	553.6	553.9	554.7	555.6	556.5	557.3	556.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	616.9	617.3	617.8	618.2	618.5	619.3	620.4	621.5	622.6	623.7	623.4
115°	710.2	712.0	713.7	715.5	717.2	718.6	719.8	720.9	722.0	723.2	723.0
117.5°	809.8	810.5	811.3	812.1	812.8	813.9	815.5	816.9	818.4	819.9	818.8
120°	871.0	872.5	873.8	875.3	876.8	877.8	878.3	878.9	879.5	880.0	879.2
122.5°	929.0	930.7	932.4	934.1	935.7	936.9	937.5	938.0	938.6	939.2	938.7
125°	1017.4	1018.3	1019.2	1020.0	1020.9	1021.9	1023.0	1024.2	1025.4	1026.5	1026.5
127.5°	1091.8	1094.0	1096.1	1098.2	1100.4	1101.7	1102.4	1103.0	1103.6	1104.3	1104.5
130°	1145.7	1147.2	1148.7	1150.1	1151.5	1152.7	1153.6	1154.4	1155.3	1156.2	1155.8
132.5°	1195.5	1197.0	1198.4	1199.9	1201.3	1202.1	1202.3	1202.5	1202.6	1202.8	1203.4
135°	1263.7	1265.4	1267.1	1268.9	1270.6	1271.8	1272.4	1272.9	1273.5	1274.1	1274.6
137.5°	1332.1	1333.6	1335.2	1336.6	1338.2	1338.9	1338.7	1338.6	1338.5	1338.3	1338.9
140°	1372.6	1374.3	1376.1	1377.8	1379.5	1380.1	1379.5	1378.9	1378.4	1377.8	1378.0
142.5°	1410.9	1412.6	1414.4	1416.1	1417.9	1418.7	1418.6	1418.4	1418.3	1418.2	1417.8
145°	1467.2	1469.0	1470.7	1472.4	1474.1	1474.8	1474.5	1474.3	1473.9	1473.7	1473.7
147.5°	1513.6	1515.7	1517.8	1519.8	1521.9	1522.8	1522.4	1522.1	1521.7	1521.4	1521.0
150°	1543.7	1546.0	1548.3	1550.6	1552.9	1553.8	1553.2	1552.6	1552.0	1551.4	1550.8
152.5°	1571.7	1573.7	1575.8	1577.9	1579.9	1580.7	1580.1	1579.6	1579.0	1578.4	1577.9
155°	1608.4	1610.8	1613.1	1615.4	1617.6	1618.4	1617.6	1616.7	1615.8	1615.0	1614.4
157.5°	1639.3	1641.6	1643.9	1646.2	1648.6	1649.2	1648.3	1647.4	1646.5	1645.5	1645.5
160°	1659.1	1661.3	1663.6	1665.9	1668.3	1668.8	1667.7	1666.5	1665.3	1664.2	1663.9
162.5°	1676.6	1679.2	1681.7	1684.3	1686.8	1687.2	1685.7	1684.0	1682.4	1680.8	1680.5
165°	1700.5	1702.8	1705.1	1707.4	1709.7	1710.0	1708.3	1706.5	1704.8	1703.1	1702.8
167.5°	1717.1	1719.7	1722.3	1724.8	1727.4	1727.7	1725.6	1723.5	1721.5	1719.4	1719.2
170°	1726.4	1729.0	1731.6	1734.2	1736.8	1736.9	1734.7	1732.3	1730.0	1727.7	1727.4
172.5°	1732.7	1735.3	1737.8	1740.4	1743.0	1743.3	1741.2	1739.1	1737.1	1735.0	1734.5
175°	1740.7	1743.3	1745.8	1748.4	1751.0	1751.2	1748.9	1746.5	1744.3	1742.0	1741.7
177.5°	1745.3	1747.1	1749.0	1750.8	1752.7	1752.8	1751.2	1749.6	1748.0	1746.4	1746.1
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1626.9	1623.2	1618.9	1611.4	1602.2	1597.4	1589.8	1585.0	1575.4	1567.3	1558.8
5°	1709.4	1692.0	1675.9	1655.1	1632.3	1617.5	1600.1	1580.6	1560.5	1539.6	1516.8
7.5°	1795.0	1764.1	1730.5	1694.4	1659.1	1626.6	1595.6	1565.1	1536.7	1502.4	1473.3
10°	1852.4	1813.5	1771.9	1722.9	1675.2	1633.7	1591.3	1554.4	1516.8	1476.5	1441.0
12.5°	1909.9	1858.0	1799.2	1745.4	1688.2	1637.9	1588.1	1541.0	1493.7	1449.1	1407.7
15°	1950.4	1904.8	1850.4	1773.9	1709.4	1640.4	1574.6	1513.5	1456.5	1406.8	1354.4
17.5°	1977.1	1918.3	1859.9	1786.5	1702.1	1624.8	1550.2	1480.3	1416.0	1353.1	1302.6
20°	1981.9	1921.6	1860.4	1788.6	1702.1	1613.5	1539.0	1455.1	1386.0	1320.9	1259.1
22.5°	1980.4	1911.9	1845.5	1771.5	1687.0	1605.4	1515.4	1429.9	1354.8	1290.8	1226.3
25°	1965.1	1892.0	1808.8	1734.3	1651.1	1564.5	1473.3	1384.7	1308.1	1234.9	1171.2
27.5°	1952.6	1857.7	1763.4	1676.5	1596.2	1516.8	1429.4	1338.7	1253.9	1179.7	1119.6
30°	1937.0	1833.0	1726.9	1636.3	1553.8	1476.5	1394.0	1305.4	1216.9	1144.4	1080.0
32.5°	1923.0	1801.8	1689.9	1591.2	1503.8	1428.7	1352.6	1268.3	1181.4	1107.8	1043.4
35°	1896.1	1755.8	1627.5	1516.1	1422.9	1345.7	1281.9	1203.4	1123.5	1052.4	990.7
37.5°	1861.8	1695.4	1557.8	1441.0	1338.7	1257.4	1198.0	1137.7	1061.1	992.6	936.7
40°	1835.0	1652.4	1506.8	1387.3	1281.3	1196.7	1141.7	1084.6	1020.9	957.1	898.0
42.5°	1801.1	1613.8	1455.3	1326.6	1221.7	1139.3	1081.5	1033.0	976.8	917.4	862.5
45°	1739.0	1543.7	1371.8	1233.6	1127.6	1046.4	986.6	950.4	908.1	851.7	805.4
47.5°	1647.6	1459.5	1281.8	1139.1	1029.7	954.4	898.5	863.7	833.9	791.9	749.9
50°	1566.5	1396.7	1216.9	1075.2	965.8	889.9	838.3	806.8	781.3	749.0	713.4
52.5°	1475.8	1317.8	1153.0	1013.0	904.6	829.8	779.2	751.5	730.2	707.1	672.1
55°	1331.6	1197.4	1044.3	911.5	811.4	738.3	694.0	669.9	652.4	634.9	613.5
57.5°	1172.8	1067.8	932.3	810.8	718.7	652.1	610.8	587.3	573.7	564.7	552.1
60°	1061.1	971.2	854.4	743.6	653.8	594.7	554.4	536.2	524.9	517.5	508.1
62.5°	957.5	883.6	775.5	674.4	595.7	539.8	503.9	486.3	475.4	471.8	464.1
65°	804.7	747.7	658.4	574.5	507.4	459.8	429.6	412.8	406.0	402.0	402.7
67.5°	654.3	619.5	547.8	476.2	422.7	382.7	358.5	345.7	342.3	336.9	336.8
70°	562.4	536.2	475.9	413.5	365.8	334.9	313.4	300.0	296.6	293.9	293.3
72.5°	481.4	458.4	406.0	356.0	313.1	286.0	268.4	260.3	254.8	253.1	253.0
75°	361.8	349.0	307.4	267.8	238.2	219.5	207.4	200.0	196.0	195.3	196.0
77.5°	257.2	246.1	219.6	191.6	172.9	158.7	148.4	145.9	141.4	141.5	140.8
80°	193.3	185.9	169.1	147.0	131.6	119.5	114.1	109.4	108.1	106.1	108.1
82.5°	140.2	132.2	120.8	106.7	93.9	86.7	81.4	79.9	79.0	78.1	78.5
85°	69.1	69.8	63.1	52.3	47.0	43.0	39.6	39.6	38.9	38.2	38.9
87.5°	26.9	25.5	22.9	20.9	17.7	15.7	14.7	14.7	13.6	13.5	14.6
90°	16.7	14.7	12.7	10.5	8.2	5.9	3.6	1.3	3.6	5.9	8.2
92.5°	17.1	15.4	13.6	13.5	15.2	16.7	18.3	20.0	18.3	16.7	15.2
95°	42.6	53.6	64.5	70.4	71.3	72.2	73.0	73.9	73.0	72.2	71.3
97.5°	107.1	128.7	150.4	160.5	158.9	157.3	155.8	154.2	155.8	157.3	158.9
100°	223.3	222.1	220.9	219.9	219.0	218.2	217.3	216.5	217.3	218.2	219.0
102.5°	286.4	285.7	285.0	284.0	283.0	281.9	280.8	279.7	280.8	281.9	283.0
105°	386.2	386.2	386.2	385.6	384.5	383.4	382.2	381.1	382.2	383.4	384.5
107.5°	487.8	487.2	486.6	486.3	486.3	486.3	486.3	486.3	486.3	486.3	486.3
110°	556.2	555.6	555.0	554.7	554.7	554.7	554.7	554.7	554.7	554.7	554.7



TEST NUMBER: P333484-935

CATALOG NUMBER: S125DIW-S1270D1560U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	623.0	622.7	622.3	621.8	621.1	620.4	619.7	619.1	619.7	620.4	621.1
115°	722.6	722.4	722.0	721.2	719.8	718.3	716.9	715.5	716.9	718.3	719.8
117.5°	817.7	816.7	815.5	815.0	815.1	815.1	815.2	815.3	815.2	815.1	815.1
120°	878.3	877.4	876.6	876.3	876.6	876.9	877.2	877.4	877.2	876.9	876.6
122.5°	938.3	938.0	937.5	936.8	935.7	934.6	933.5	932.5	933.5	934.6	935.7
125°	1026.5	1026.5	1026.5	1025.5	1023.5	1021.5	1019.4	1017.4	1019.4	1021.5	1023.5
127.5°	1104.7	1104.8	1105.0	1104.3	1102.9	1101.5	1100.0	1098.5	1100.0	1101.5	1102.9
130°	1155.5	1155.3	1154.9	1154.1	1152.7	1151.2	1149.8	1148.3	1149.8	1151.2	1152.7
132.5°	1204.0	1204.7	1205.3	1204.8	1203.2	1201.4	1199.8	1198.1	1199.8	1201.4	1203.2
135°	1275.2	1275.8	1276.3	1275.8	1274.1	1272.4	1270.6	1268.9	1270.6	1272.4	1274.1
137.5°	1339.4	1339.9	1340.4	1340.0	1338.4	1337.0	1335.4	1333.9	1335.4	1337.0	1338.4
140°	1378.4	1378.6	1378.9	1378.8	1378.2	1377.6	1377.1	1376.5	1377.1	1377.6	1378.2
142.5°	1417.4	1417.0	1416.6	1416.2	1415.8	1415.5	1415.1	1414.8	1415.1	1415.5	1415.8
145°	1473.7	1473.7	1473.7	1473.4	1472.8	1472.2	1471.6	1471.1	1471.6	1472.2	1472.8
147.5°	1520.7	1520.4	1520.0	1519.8	1520.0	1520.1	1520.2	1520.4	1520.2	1520.1	1520.0
150°	1550.3	1549.7	1549.1	1549.1	1549.7	1550.3	1550.8	1551.4	1550.8	1550.3	1549.7
152.5°	1577.3	1576.7	1576.1	1576.4	1577.7	1579.0	1580.3	1581.5	1580.3	1579.0	1577.7
155°	1613.8	1613.3	1612.7	1613.3	1615.0	1616.7	1618.4	1620.1	1618.4	1616.7	1615.0
157.5°	1645.5	1645.4	1645.3	1645.8	1646.8	1647.9	1648.9	1649.9	1648.9	1647.9	1646.8
160°	1663.6	1663.4	1663.0	1663.8	1665.5	1667.2	1669.0	1670.7	1669.0	1667.2	1665.5
162.5°	1680.2	1679.9	1679.6	1680.3	1682.0	1683.9	1685.6	1687.3	1685.6	1683.9	1682.0
165°	1702.5	1702.2	1701.9	1702.6	1704.3	1706.1	1707.9	1709.6	1707.9	1706.1	1704.3
167.5°	1718.8	1718.6	1718.3	1719.0	1720.8	1722.6	1724.4	1726.1	1724.4	1722.6	1720.8
170°	1727.2	1726.8	1726.6	1727.4	1729.4	1731.5	1733.5	1735.5	1733.5	1731.5	1729.4
172.5°	1734.0	1733.5	1732.9	1733.6	1735.7	1737.7	1739.7	1741.7	1739.7	1737.7	1735.7
175°	1741.4	1741.1	1740.9	1741.5	1743.3	1745.0	1746.7	1748.4	1746.7	1745.0	1743.3
177.5°	1745.9	1745.7	1745.4	1746.0	1747.4	1748.8	1750.2	1751.5	1750.2	1748.8	1747.4
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



TEST NUMBER: P333484-935

CATALOG NUMBER: S125DIW-S1270D1560U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1553.8	1548.0	1543.2	1532.4	1526.5	1518.5	1512.0	1519.0	1511.5	1514.7	1509.8
5°	1505.5	1486.6	1473.3	1453.7	1437.0	1421.5	1410.1	1408.1	1402.7	1400.1	1392.0
7.5°	1447.2	1423.7	1400.6	1375.1	1353.6	1331.7	1317.8	1306.2	1298.6	1288.5	1281.7
10°	1412.8	1381.3	1354.4	1323.5	1296.7	1273.2	1254.4	1245.0	1236.3	1223.6	1218.8
12.5°	1370.4	1337.7	1305.0	1272.0	1246.2	1220.0	1203.9	1189.7	1183.7	1169.3	1167.9
15°	1319.5	1270.5	1238.3	1204.7	1169.2	1147.7	1134.3	1118.9	1112.2	1102.1	1094.7
17.5°	1258.9	1215.0	1174.8	1140.1	1109.6	1091.5	1074.8	1064.2	1052.7	1046.1	1034.0
20°	1214.8	1173.2	1132.9	1096.1	1072.5	1051.7	1038.3	1028.2	1016.2	1012.8	1000.7
22.5°	1177.8	1131.9	1093.2	1062.2	1036.6	1013.1	998.6	991.7	983.4	973.1	970.6
25°	1117.5	1069.9	1037.0	1006.1	983.3	961.8	951.7	943.0	935.0	927.6	924.9
27.5°	1065.4	1022.9	983.8	955.9	936.0	916.4	907.6	897.0	891.0	885.1	877.9
30°	1028.9	985.2	951.1	924.2	902.8	885.3	875.9	868.5	863.2	857.7	853.8
32.5°	991.4	950.9	917.7	891.5	870.0	856.8	848.5	843.3	837.3	830.9	825.8
35°	941.7	897.3	865.1	842.3	825.5	815.5	806.1	801.3	794.7	794.7	789.3
37.5°	885.7	847.4	819.0	798.1	783.1	774.1	764.0	760.7	756.4	753.5	751.7
40°	852.4	816.8	790.0	769.1	753.0	745.6	737.6	732.3	729.5	726.2	724.9
42.5°	818.0	784.0	758.3	739.1	725.1	718.8	711.3	707.6	702.1	697.8	697.0
45°	765.8	732.9	709.5	694.0	681.9	674.5	669.9	661.8	659.1	653.8	653.1
47.5°	716.3	684.8	661.7	649.0	638.4	632.4	625.0	616.9	613.9	611.1	610.9
50°	679.2	650.4	628.9	616.8	606.7	598.1	590.6	585.2	583.2	583.2	584.6
52.5°	641.6	617.1	598.8	584.0	574.5	565.2	558.4	555.2	552.1	555.3	557.8
55°	586.6	561.8	548.4	534.3	524.9	514.1	510.7	509.5	507.4	512.8	515.5
57.5°	528.3	510.9	495.2	481.2	472.8	466.6	462.0	461.2	465.0	467.5	476.2
60°	491.3	471.1	457.1	446.3	436.3	432.2	430.9	429.6	432.2	439.6	451.0
62.5°	450.5	434.1	419.0	410.9	403.5	396.8	396.5	397.4	402.7	411.1	422.6
65°	390.6	376.5	366.4	357.1	351.0	347.0	348.4	351.0	357.1	368.5	381.3
67.5°	329.8	320.1	311.2	303.5	297.7	297.7	299.1	303.1	310.2	323.4	335.0
70°	290.6	279.9	272.5	269.1	264.4	261.7	265.8	272.5	278.5	290.6	300.7
72.5°	251.4	242.3	236.5	234.3	232.2	230.1	231.4	238.7	246.8	258.9	270.6
75°	193.3	189.9	185.9	183.2	181.2	182.5	183.9	190.6	197.3	210.1	223.5
77.5°	141.1	137.6	135.2	134.5	133.5	134.1	137.8	142.8	149.4	158.7	168.8
80°	106.7	105.4	104.0	103.3	103.3	104.0	109.4	112.8	118.8	127.5	135.6
82.5°	77.7	76.9	76.6	76.5	77.1	77.1	80.4	84.8	89.8	96.3	103.3
85°	41.0	39.6	41.6	42.3	41.0	43.0	44.3	47.0	49.0	52.3	55.7
87.5°	15.5	17.0	16.9	17.8	18.3	19.7	19.5	21.9	23.2	24.6	24.3
90°	10.5	12.7	14.7	16.7	18.7	20.8	22.2	23.6	25.1	26.5	27.6
92.5°	13.5	13.6	15.4	17.1	18.9	20.8	22.2	23.6	25.1	26.5	27.4
95°	70.4	64.5	53.6	42.6	31.7	20.8	22.2	23.6	25.1	26.5	27.2
97.5°	160.5	150.4	128.7	107.1	85.4	63.8	55.6	47.5	39.4	31.3	27.2
100°	219.9	220.9	222.1	223.3	224.4	225.5	182.6	139.7	96.8	53.9	31.9
102.5°	284.0	285.0	285.7	286.4	287.1	287.7	279.7	271.5	263.4	255.3	241.4
105°	385.6	386.2	386.2	386.2	386.2	386.2	386.2	386.2	386.2	386.2	386.1
107.5°	486.3	486.6	487.2	487.8	488.4	488.9	489.0	489.0	489.0	489.1	488.7
110°	554.7	555.0	555.6	556.2	556.7	557.3	556.5	555.6	554.7	553.9	553.6



TEST NUMBER: P333484-935

CATALOG NUMBER: S125DIW-S1270D1560U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	621.8	622.3	622.7	623.0	623.4	623.7	622.6	621.5	620.4	619.3	618.5
115°	721.2	722.0	722.4	722.6	723.0	723.2	722.0	720.9	719.8	718.6	717.2
117.5°	815.0	815.5	816.7	817.7	818.8	819.9	818.4	816.9	815.5	813.9	812.8
120°	876.3	876.6	877.4	878.3	879.2	880.0	879.5	878.9	878.3	877.8	876.8
122.5°	936.8	937.5	938.0	938.3	938.7	939.2	938.6	938.0	937.5	936.9	935.7
125°	1025.5	1026.5	1026.5	1026.5	1026.5	1026.5	1025.4	1024.2	1023.0	1021.9	1020.9
127.5°	1104.3	1105.0	1104.8	1104.7	1104.5	1104.3	1103.6	1103.0	1102.4	1101.7	1100.4
130°	1154.1	1154.9	1155.3	1155.5	1155.8	1156.2	1155.3	1154.4	1153.6	1152.7	1151.5
132.5°	1204.8	1205.3	1204.7	1204.0	1203.4	1202.8	1202.6	1202.5	1202.3	1202.1	1201.3
135°	1275.8	1276.3	1275.8	1275.2	1274.6	1274.1	1273.5	1272.9	1272.4	1271.8	1270.6
137.5°	1340.0	1340.4	1339.9	1339.4	1338.9	1338.3	1338.5	1338.6	1338.7	1338.9	1338.2
140°	1378.8	1378.9	1378.6	1378.4	1378.0	1377.8	1378.4	1378.9	1379.5	1380.1	1379.5
142.5°	1416.2	1416.6	1417.0	1417.4	1417.8	1418.2	1418.3	1418.4	1418.6	1418.7	1417.9
145°	1473.4	1473.7	1473.7	1473.7	1473.7	1473.7	1473.9	1474.3	1474.5	1474.8	1474.1
147.5°	1519.8	1520.0	1520.4	1520.7	1521.0	1521.4	1521.7	1522.1	1522.4	1522.8	1521.9
150°	1549.1	1549.1	1549.7	1550.3	1550.8	1551.4	1552.0	1552.6	1553.2	1553.8	1552.9
152.5°	1576.4	1576.1	1576.7	1577.3	1577.9	1578.4	1579.0	1579.6	1580.1	1580.7	1579.9
155°	1613.3	1612.7	1613.3	1613.8	1614.4	1615.0	1615.8	1616.7	1617.6	1618.4	1617.6
157.5°	1645.8	1645.3	1645.4	1645.5	1645.5	1645.5	1646.5	1647.4	1648.3	1649.2	1648.6
160°	1663.8	1663.0	1663.4	1663.6	1663.9	1664.2	1665.3	1666.5	1667.7	1668.8	1668.3
162.5°	1680.3	1679.6	1679.9	1680.2	1680.5	1680.8	1682.4	1684.0	1685.7	1687.2	1686.8
165°	1702.6	1701.9	1702.2	1702.5	1702.8	1703.1	1704.8	1706.5	1708.3	1710.0	1709.7
167.5°	1719.0	1718.3	1718.6	1718.8	1719.2	1719.4	1721.5	1723.5	1725.6	1727.7	1727.4
170°	1727.4	1726.6	1726.8	1727.2	1727.4	1727.7	1730.0	1732.3	1734.7	1736.9	1736.8
172.5°	1733.6	1732.9	1733.5	1734.0	1734.5	1735.0	1737.1	1739.1	1741.2	1743.3	1743.0
175°	1741.5	1740.9	1741.1	1741.4	1741.7	1742.0	1744.3	1746.5	1748.9	1751.2	1751.0
177.5°	1746.0	1745.4	1745.7	1745.9	1746.1	1746.4	1748.0	1749.6	1751.2	1752.8	1752.7
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



TEST NUMBER: P333484-935

CATALOG NUMBER: S125DIW-S1270D1560U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1506.7	1510.4	1507.2	1511.5	1507.2	1510.4	1506.7	1509.8	1514.7	1511.5	1519.0
5°	1388.6	1382.6	1386.6	1384.0	1386.6	1382.6	1388.6	1392.0	1400.1	1402.7	1408.1
7.5°	1279.6	1273.8	1267.3	1264.2	1267.3	1273.8	1279.6	1281.7	1288.5	1298.6	1306.2
10°	1211.4	1204.1	1203.4	1198.7	1203.4	1204.1	1211.4	1218.8	1223.6	1236.3	1245.0
12.5°	1161.5	1154.7	1147.0	1145.0	1147.0	1154.7	1161.5	1167.9	1169.3	1183.7	1189.7
15°	1090.6	1085.3	1080.6	1084.6	1080.6	1085.3	1090.6	1094.7	1102.1	1112.2	1118.9
17.5°	1031.7	1027.3	1026.5	1021.5	1026.5	1027.3	1031.7	1034.0	1046.1	1052.7	1064.2
20°	994.7	991.4	992.6	984.0	992.6	991.4	994.7	1000.7	1012.8	1016.2	1028.2
22.5°	965.2	958.6	957.8	956.1	957.8	958.6	965.2	970.6	973.1	983.4	991.7
25°	918.9	915.5	912.1	915.5	912.1	915.5	918.9	924.9	927.6	935.0	943.0
27.5°	878.4	874.4	873.5	873.8	873.5	874.4	878.4	877.9	885.1	891.0	897.0
30°	853.8	847.1	847.7	847.1	847.7	847.1	853.8	853.8	857.7	863.2	868.5
32.5°	826.9	822.3	821.4	820.2	821.4	822.3	826.9	825.8	830.9	837.3	843.3
35°	787.3	787.3	783.9	783.9	783.9	787.3	787.3	789.3	794.7	794.7	801.3
37.5°	750.1	749.4	747.4	747.7	747.4	749.4	750.1	751.7	753.5	756.4	760.7
40°	722.2	721.5	719.5	715.5	719.5	721.5	722.2	724.9	726.2	729.5	732.3
42.5°	695.3	693.0	692.1	690.8	692.1	693.0	695.3	697.0	697.8	702.1	707.6
45°	653.1	653.1	651.7	651.0	651.7	653.1	653.1	653.1	653.8	659.1	661.8
47.5°	612.0	613.2	615.7	615.4	615.7	613.2	612.0	610.9	611.1	613.9	616.9
50°	587.3	588.0	590.0	590.6	590.0	588.0	587.3	584.6	583.2	583.2	585.2
52.5°	559.9	563.8	566.4	565.9	566.4	563.8	559.9	557.8	555.3	552.1	555.2
55°	521.5	526.2	530.9	531.6	530.9	526.2	521.5	515.5	512.8	507.4	509.5
57.5°	483.5	490.1	495.1	496.6	495.1	490.1	483.5	476.2	467.5	465.0	461.2
60°	457.7	466.5	472.5	475.2	472.5	466.5	457.7	451.0	439.6	432.2	429.6
62.5°	433.0	442.8	448.8	449.4	448.8	442.8	433.0	422.6	411.1	402.7	397.4
65°	392.6	402.7	408.0	412.1	408.0	402.7	392.6	381.3	368.5	357.1	351.0
67.5°	349.1	359.2	365.2	368.3	365.2	359.2	349.1	335.0	323.4	310.2	303.1
70°	317.5	327.5	335.6	338.3	335.6	327.5	317.5	300.7	290.6	278.5	272.5
72.5°	286.3	295.3	301.8	305.0	301.8	295.3	286.3	270.6	258.9	246.8	238.7
75°	232.2	244.3	250.4	253.7	250.4	244.3	232.2	223.5	210.1	197.3	190.6
77.5°	179.1	190.1	193.7	195.4	193.7	190.1	179.1	168.8	158.7	149.4	142.8
80°	143.6	150.3	155.1	155.7	155.1	150.3	143.6	135.6	127.5	118.8	112.8
82.5°	110.4	116.0	117.4	119.2	117.4	116.0	110.4	103.3	96.3	89.8	84.8
85°	60.4	63.1	63.8	63.1	63.8	63.1	60.4	55.7	52.3	49.0	47.0
87.5°	25.6	25.2	25.4	26.6	25.4	25.2	25.6	24.3	24.6	23.2	21.9
90°	28.5	29.4	30.2	31.1	30.2	29.4	28.5	27.6	26.5	25.1	23.6
92.5°	27.8	28.2	28.7	29.0	28.7	28.2	27.8	27.4	26.5	25.1	23.6
95°	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	26.5	25.1	23.6
97.5°	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	31.3	39.4	47.5
100°	30.7	29.5	28.4	27.2	28.4	29.5	30.7	31.9	53.9	96.8	139.7
102.5°	221.8	202.2	182.6	163.1	182.6	202.2	221.8	241.4	255.3	263.4	271.5
105°	385.8	385.6	385.2	385.0	385.2	385.6	385.8	386.1	386.2	386.2	386.2
107.5°	487.8	487.0	486.1	485.3	486.1	487.0	487.8	488.7	489.1	489.0	489.0
110°	553.9	554.1	554.5	554.7	554.5	554.1	553.9	553.6	553.9	554.7	555.6



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	618.2	617.8	617.3	616.9	617.3	617.8	618.2	618.5	619.3	620.4	621.5
115°	715.5	713.7	712.0	710.2	712.0	713.7	715.5	717.2	718.6	719.8	720.9
117.5°	812.1	811.3	810.5	809.8	810.5	811.3	812.1	812.8	813.9	815.5	816.9
120°	875.3	873.8	872.5	871.0	872.5	873.8	875.3	876.8	877.8	878.3	878.9
122.5°	934.1	932.4	930.7	929.0	930.7	932.4	934.1	935.7	936.9	937.5	938.0
125°	1020.0	1019.2	1018.3	1017.4	1018.3	1019.2	1020.0	1020.9	1021.9	1023.0	1024.2
127.5°	1098.2	1096.1	1094.0	1091.8	1094.0	1096.1	1098.2	1100.4	1101.7	1102.4	1103.0
130°	1150.1	1148.7	1147.2	1145.7	1147.2	1148.7	1150.1	1151.5	1152.7	1153.6	1154.4
132.5°	1199.9	1198.4	1197.0	1195.5	1197.0	1198.4	1199.9	1201.3	1202.1	1202.3	1202.5
135°	1268.9	1267.1	1265.4	1263.7	1265.4	1267.1	1268.9	1270.6	1271.8	1272.4	1272.9
137.5°	1336.6	1335.2	1333.6	1332.1	1333.6	1335.2	1336.6	1338.2	1338.9	1338.7	1338.6
140°	1377.8	1376.1	1374.3	1372.6	1374.3	1376.1	1377.8	1379.5	1380.1	1379.5	1378.9
142.5°	1416.1	1414.4	1412.6	1410.9	1412.6	1414.4	1416.1	1417.9	1418.7	1418.6	1418.4
145°	1472.4	1470.7	1469.0	1467.2	1469.0	1470.7	1472.4	1474.1	1474.8	1474.5	1474.3
147.5°	1519.8	1517.8	1515.7	1513.6	1515.7	1517.8	1519.8	1521.9	1522.8	1522.4	1522.1
150°	1550.6	1548.3	1546.0	1543.7	1546.0	1548.3	1550.6	1552.9	1553.8	1553.2	1552.6
152.5°	1577.9	1575.8	1573.7	1571.7	1573.7	1575.8	1577.9	1579.9	1580.7	1580.1	1579.6
155°	1615.4	1613.1	1610.8	1608.4	1610.8	1613.1	1615.4	1617.6	1618.4	1617.6	1616.7
157.5°	1646.2	1643.9	1641.6	1639.3	1641.6	1643.9	1646.2	1648.6	1649.2	1648.3	1647.4
160°	1665.9	1663.6	1661.3	1659.1	1661.3	1663.6	1665.9	1668.3	1668.8	1667.7	1666.5
162.5°	1684.3	1681.7	1679.2	1676.6	1679.2	1681.7	1684.3	1686.8	1687.2	1685.7	1684.0
165°	1707.4	1705.1	1702.8	1700.5	1702.8	1705.1	1707.4	1709.7	1710.0	1708.3	1706.5
167.5°	1724.8	1722.3	1719.7	1717.1	1719.7	1722.3	1724.8	1727.4	1727.7	1725.6	1723.5
170°	1734.2	1731.6	1729.0	1726.4	1729.0	1731.6	1734.2	1736.8	1736.9	1734.7	1732.3
172.5°	1740.4	1737.8	1735.3	1732.7	1735.3	1737.8	1740.4	1743.0	1743.3	1741.2	1739.1
175°	1748.4	1745.8	1743.3	1740.7	1743.3	1745.8	1748.4	1751.0	1751.2	1748.9	1746.5
177.5°	1750.8	1749.0	1747.1	1745.3	1747.1	1749.0	1750.8	1752.7	1752.8	1751.2	1749.6
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1512.0	1518.5	1526.5	1532.4	1543.2	1548.0	1553.8	1558.8	1567.3	1575.4	1585.0
5°	1410.1	1421.5	1437.0	1453.7	1473.3	1486.6	1505.5	1516.8	1539.6	1560.5	1580.6
7.5°	1317.8	1331.7	1353.6	1375.1	1400.6	1423.7	1447.2	1473.3	1502.4	1536.7	1565.1
10°	1254.4	1273.2	1296.7	1323.5	1354.4	1381.3	1412.8	1441.0	1476.5	1516.8	1554.4
12.5°	1203.9	1220.0	1246.2	1272.0	1305.0	1337.7	1370.4	1407.7	1449.1	1493.7	1541.0
15°	1134.3	1147.7	1169.2	1204.7	1238.3	1270.5	1319.5	1354.4	1406.8	1456.5	1513.5
17.5°	1074.8	1091.5	1109.6	1140.1	1174.8	1215.0	1258.9	1302.6	1353.1	1416.0	1480.3
20°	1038.3	1051.7	1072.5	1096.1	1132.9	1173.2	1214.8	1259.1	1320.9	1386.0	1455.1
22.5°	998.6	1013.1	1036.6	1062.2	1093.2	1131.9	1177.8	1226.3	1290.8	1354.8	1429.9
25°	951.7	961.8	983.3	1006.1	1037.0	1069.9	1117.5	1171.2	1234.9	1308.1	1384.7
27.5°	907.6	916.4	936.0	955.9	983.8	1022.9	1065.4	1119.6	1179.7	1253.9	1338.7
30°	875.9	885.3	902.8	924.2	951.1	985.2	1028.9	1080.0	1144.4	1216.9	1305.4
32.5°	848.5	856.8	870.0	891.5	917.7	950.9	991.4	1043.4	1107.8	1181.4	1268.3
35°	806.1	815.5	825.5	842.3	865.1	897.3	941.7	990.7	1052.4	1123.5	1203.4
37.5°	764.0	774.1	783.1	798.1	819.0	847.4	885.7	936.7	992.6	1061.1	1137.7
40°	737.6	745.6	753.0	769.1	790.0	816.8	852.4	898.0	957.1	1020.9	1084.6
42.5°	711.3	718.8	725.1	739.1	758.3	784.0	818.0	862.5	917.4	976.8	1033.0
45°	669.9	674.5	681.9	694.0	709.5	732.9	765.8	805.4	851.7	908.1	950.4
47.5°	625.0	632.4	638.4	649.0	661.7	684.8	716.3	749.9	791.9	833.9	863.7
50°	590.6	598.1	606.7	616.8	628.9	650.4	679.2	713.4	749.0	781.3	806.8
52.5°	558.4	565.2	574.5	584.0	598.8	617.1	641.6	672.1	707.1	730.2	751.5
55°	510.7	514.1	524.9	534.3	548.4	561.8	586.6	613.5	634.9	652.4	669.9
57.5°	462.0	466.6	472.8	481.2	495.2	510.9	528.3	552.1	564.7	573.7	587.3
60°	430.9	432.2	436.3	446.3	457.1	471.1	491.3	508.1	517.5	524.9	536.2
62.5°	396.5	396.8	403.5	410.9	419.0	434.1	450.5	464.1	471.8	475.4	486.3
65°	348.4	347.0	351.0	357.1	366.4	376.5	390.6	402.7	402.0	406.0	412.8
67.5°	299.1	297.7	297.7	303.5	311.2	320.1	329.8	336.8	336.9	342.3	345.7
70°	265.8	261.7	264.4	269.1	272.5	279.9	290.6	293.3	293.9	296.6	300.0
72.5°	231.4	230.1	232.2	234.3	236.5	242.3	251.4	253.0	253.1	254.8	260.3
75°	183.9	182.5	181.2	183.2	185.9	189.9	193.3	196.0	195.3	196.0	200.0
77.5°	137.8	134.1	133.5	134.5	135.2	137.6	141.1	140.8	141.5	141.4	145.9
80°	109.4	104.0	103.3	103.3	104.0	105.4	106.7	108.1	106.1	108.1	109.4
82.5°	80.4	77.1	77.1	76.5	76.6	76.9	77.7	78.5	78.1	79.0	79.9
85°	44.3	43.0	41.0	42.3	41.6	39.6	41.0	38.9	38.2	38.9	39.6
87.5°	19.5	19.7	18.3	17.8	16.9	17.0	15.5	14.6	13.5	13.6	14.7
90°	22.2	20.8	18.7	16.7	14.7	12.7	10.5	8.2	5.9	3.6	1.3
92.5°	22.2	20.8	18.9	17.1	15.4	13.6	13.5	15.2	16.7	18.3	20.0
95°	22.2	20.8	31.7	42.6	53.6	64.5	70.4	71.3	72.2	73.0	73.9
97.5°	55.6	63.8	85.4	107.1	128.7	150.4	160.5	158.9	157.3	155.8	154.2
100°	182.6	225.5	224.4	223.3	222.1	220.9	219.9	219.0	218.2	217.3	216.5
102.5°	279.7	287.7	287.1	286.4	285.7	285.0	284.0	283.0	281.9	280.8	279.7
105°	386.2	386.2	386.2	386.2	386.2	386.2	385.6	384.5	383.4	382.2	381.1
107.5°	489.0	488.9	488.4	487.8	487.2	486.6	486.3	486.3	486.3	486.3	486.3
110°	556.5	557.3	556.7	556.2	555.6	555.0	554.7	554.7	554.7	554.7	554.7



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	622.6	623.7	623.4	623.0	622.7	622.3	621.8	621.1	620.4	619.7	619.1
115°	722.0	723.2	723.0	722.6	722.4	722.0	721.2	719.8	718.3	716.9	715.5
117.5°	818.4	819.9	818.8	817.7	816.7	815.5	815.0	815.1	815.1	815.2	815.3
120°	879.5	880.0	879.2	878.3	877.4	876.6	876.3	876.6	876.9	877.2	877.4
122.5°	938.6	939.2	938.7	938.3	938.0	937.5	936.8	935.7	934.6	933.5	932.5
125°	1025.4	1026.5	1026.5	1026.5	1026.5	1026.5	1025.5	1023.5	1021.5	1019.4	1017.4
127.5°	1103.6	1104.3	1104.5	1104.7	1104.8	1105.0	1104.3	1102.9	1101.5	1100.0	1098.5
130°	1155.3	1156.2	1155.8	1155.5	1155.3	1154.9	1154.1	1152.7	1151.2	1149.8	1148.3
132.5°	1202.6	1202.8	1203.4	1204.0	1204.7	1205.3	1204.8	1203.2	1201.4	1199.8	1198.1
135°	1273.5	1274.1	1274.6	1275.2	1275.8	1276.3	1275.8	1274.1	1272.4	1270.6	1268.9
137.5°	1338.5	1338.3	1338.9	1339.4	1339.9	1340.4	1340.0	1338.4	1337.0	1335.4	1333.9
140°	1378.4	1377.8	1378.0	1378.4	1378.6	1378.9	1378.8	1378.2	1377.6	1377.1	1376.5
142.5°	1418.3	1418.2	1417.8	1417.4	1417.0	1416.6	1416.2	1415.8	1415.5	1415.1	1414.8
145°	1473.9	1473.7	1473.7	1473.7	1473.7	1473.7	1473.4	1472.8	1472.2	1471.6	1471.1
147.5°	1521.7	1521.4	1521.0	1520.7	1520.4	1520.0	1519.8	1520.0	1520.1	1520.2	1520.4
150°	1552.0	1551.4	1550.8	1550.3	1549.7	1549.1	1549.1	1549.7	1550.3	1550.8	1551.4
152.5°	1579.0	1578.4	1577.9	1577.3	1576.7	1576.1	1576.4	1577.7	1579.0	1580.3	1581.5
155°	1615.8	1615.0	1614.4	1613.8	1613.3	1612.7	1613.3	1615.0	1616.7	1618.4	1620.1
157.5°	1646.5	1645.5	1645.5	1645.5	1645.4	1645.3	1645.8	1646.8	1647.9	1648.9	1649.9
160°	1665.3	1664.2	1663.9	1663.6	1663.4	1663.0	1663.8	1665.5	1667.2	1669.0	1670.7
162.5°	1682.4	1680.8	1680.5	1680.2	1679.9	1679.6	1680.3	1682.0	1683.9	1685.6	1687.3
165°	1704.8	1703.1	1702.8	1702.5	1702.2	1701.9	1702.6	1704.3	1706.1	1707.9	1709.6
167.5°	1721.5	1719.4	1719.2	1718.8	1718.6	1718.3	1719.0	1720.8	1722.6	1724.4	1726.1
170°	1730.0	1727.7	1727.4	1727.2	1726.8	1726.6	1727.4	1729.4	1731.5	1733.5	1735.5
172.5°	1737.1	1735.0	1734.5	1734.0	1733.5	1732.9	1733.6	1735.7	1737.7	1739.7	1741.7
175°	1744.3	1742.0	1741.7	1741.4	1741.1	1740.9	1741.5	1743.3	1745.0	1746.7	1748.4
177.5°	1748.0	1746.4	1746.1	1745.9	1745.7	1745.4	1746.0	1747.4	1748.8	1750.2	1751.5
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



TEST NUMBER: P333484-935

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1589.8	1597.4	1602.2	1611.4	1618.9	1623.2	1626.9	1630.1	1633.9	1637.1	1646.2
5°	1600.1	1617.5	1632.3	1655.1	1675.9	1692.0	1709.4	1724.9	1737.7	1755.8	1769.9
7.5°	1595.6	1626.6	1659.1	1694.4	1730.5	1764.1	1795.0	1823.9	1850.0	1881.7	1909.4
10°	1591.3	1633.7	1675.2	1722.9	1771.9	1813.5	1852.4	1892.0	1920.9	1961.2	1995.4
12.5°	1588.1	1637.9	1688.2	1745.4	1799.2	1858.0	1909.9	1938.7	1982.6	2014.8	2055.6
15°	1574.6	1640.4	1709.4	1773.9	1850.4	1904.8	1950.4	2006.8	2047.7	2088.7	2133.0
17.5°	1550.2	1624.8	1702.1	1786.5	1859.9	1918.3	1977.1	2031.5	2080.3	2135.3	2190.4
20°	1539.0	1613.5	1702.1	1788.6	1860.4	1921.6	1981.9	2041.7	2095.4	2165.8	2229.6
22.5°	1515.4	1605.4	1687.0	1771.5	1845.5	1911.9	1980.4	2048.1	2119.5	2199.2	2279.0
25°	1473.3	1564.5	1651.1	1734.3	1808.8	1892.0	1965.1	2055.8	2147.1	2252.5	2351.7
27.5°	1429.4	1516.8	1596.2	1676.5	1763.4	1857.7	1952.6	2055.4	2174.9	2307.9	2448.0
30°	1394.0	1476.5	1553.8	1636.3	1726.9	1833.0	1937.0	2059.2	2197.4	2347.1	2513.5
32.5°	1352.6	1428.7	1503.8	1591.2	1689.9	1801.8	1923.0	2057.0	2223.2	2393.2	2564.6
35°	1281.9	1345.7	1422.9	1516.1	1627.5	1755.8	1896.1	2054.4	2245.1	2440.3	2584.6
37.5°	1198.0	1257.4	1338.7	1441.0	1557.8	1695.4	1861.8	2049.8	2252.2	2407.9	2454.5
40°	1141.7	1196.7	1281.3	1387.3	1506.8	1652.4	1835.0	2033.7	2229.6	2328.9	2290.7
42.5°	1081.5	1139.3	1221.7	1326.6	1455.3	1613.8	1801.1	1999.8	2164.1	2201.7	2069.5
45°	986.6	1046.4	1127.6	1233.6	1371.8	1543.7	1739.0	1919.5	2014.1	1946.4	1741.7
47.5°	898.5	954.4	1029.7	1139.1	1281.8	1459.5	1647.6	1791.7	1799.1	1637.4	1418.8
50°	838.3	889.9	965.8	1075.2	1216.9	1396.7	1566.5	1679.9	1628.9	1445.7	1235.6
52.5°	779.2	829.8	904.6	1013.0	1153.0	1317.8	1475.8	1555.4	1459.2	1271.2	1091.7
55°	694.0	738.3	811.4	911.5	1044.3	1197.4	1331.6	1359.1	1234.2	1049.0	903.4
57.5°	610.8	652.1	718.7	810.8	932.3	1067.8	1172.8	1166.9	1034.9	876.0	760.4
60°	554.4	594.7	653.8	743.6	854.4	971.2	1061.1	1039.7	908.8	771.9	674.5
62.5°	503.9	539.8	595.7	674.4	775.5	883.6	957.5	925.8	797.6	677.9	601.0
65°	429.6	459.8	507.4	574.5	658.4	747.7	804.7	763.8	654.4	561.1	499.4
67.5°	358.5	382.7	422.7	476.2	547.8	619.5	654.3	613.0	525.6	457.4	411.7
70°	313.4	334.9	365.8	413.5	475.9	536.2	562.4	525.6	450.4	391.9	359.0
72.5°	268.4	286.0	313.1	356.0	406.0	458.4	481.4	446.1	384.4	335.0	304.3
75°	207.4	219.5	238.2	267.8	307.4	349.0	361.8	330.9	291.3	254.3	234.3
77.5°	148.4	158.7	172.9	191.6	219.6	246.1	257.2	239.4	208.7	185.4	168.8
80°	114.1	119.5	131.6	147.0	169.1	185.9	193.3	181.9	160.4	142.9	130.2
82.5°	81.4	86.7	93.9	106.7	120.8	132.2	140.2	132.5	116.9	103.2	95.8
85°	39.6	43.0	47.0	52.3	63.1	69.8	69.1	64.4	58.4	53.0	49.0
87.5°	14.7	15.7	17.7	20.9	22.9	25.5	26.9	26.3	24.5	23.2	21.9
90°	3.6	5.9	8.2	10.5	12.7	14.7	16.7	18.7	20.8	22.2	23.6
92.5°	18.3	16.7	15.2	13.5	13.6	15.4	17.1	18.9	20.8	22.2	23.6
95°	73.0	72.2	71.3	70.4	64.5	53.6	42.6	31.7	20.8	22.2	23.6
97.5°	155.8	157.3	158.9	160.5	150.4	128.7	107.1	85.4	63.8	55.6	47.5
100°	217.3	218.2	219.0	219.9	220.9	222.1	223.3	224.4	225.5	182.6	139.7
102.5°	280.8	281.9	283.0	284.0	285.0	285.7	286.4	287.1	287.7	279.7	271.5
105°	382.2	383.4	384.5	385.6	386.2	386.2	386.2	386.2	386.2	386.2	386.2
107.5°	486.3	486.3	486.3	486.3	486.6	487.2	487.8	488.4	488.9	489.0	489.0
110°	554.7	554.7	554.7	554.7	555.0	555.6	556.2	556.7	557.3	556.5	555.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	619.7	620.4	621.1	621.8	622.3	622.7	623.0	623.4	623.7	622.6	621.5
115°	716.9	718.3	719.8	721.2	722.0	722.4	722.6	723.0	723.2	722.0	720.9
117.5°	815.2	815.1	815.1	815.0	815.5	816.7	817.7	818.8	819.9	818.4	816.9
120°	877.2	876.9	876.6	876.3	876.6	877.4	878.3	879.2	880.0	879.5	878.9
122.5°	933.5	934.6	935.7	936.8	937.5	938.0	938.3	938.7	939.2	938.6	938.0
125°	1019.4	1021.5	1023.5	1025.5	1026.5	1026.5	1026.5	1026.5	1026.5	1025.4	1024.2
127.5°	1100.0	1101.5	1102.9	1104.3	1105.0	1104.8	1104.7	1104.5	1104.3	1103.6	1103.0
130°	1149.8	1151.2	1152.7	1154.1	1154.9	1155.3	1155.5	1155.8	1156.2	1155.3	1154.4
132.5°	1199.8	1201.4	1203.2	1204.8	1205.3	1204.7	1204.0	1203.4	1202.8	1202.6	1202.5
135°	1270.6	1272.4	1274.1	1275.8	1276.3	1275.8	1275.2	1274.6	1274.1	1273.5	1272.9
137.5°	1335.4	1337.0	1338.4	1340.0	1340.4	1339.9	1339.4	1338.9	1338.3	1338.5	1338.6
140°	1377.1	1377.6	1378.2	1378.8	1378.9	1378.6	1378.4	1378.0	1377.8	1378.4	1378.9
142.5°	1415.1	1415.5	1415.8	1416.2	1416.6	1417.0	1417.4	1417.8	1418.2	1418.3	1418.4
145°	1471.6	1472.2	1472.8	1473.4	1473.7	1473.7	1473.7	1473.7	1473.7	1473.9	1474.3
147.5°	1520.2	1520.1	1520.0	1519.8	1520.0	1520.4	1520.7	1521.0	1521.4	1521.7	1522.1
150°	1550.8	1550.3	1549.7	1549.1	1549.1	1549.7	1550.3	1550.8	1551.4	1552.0	1552.6
152.5°	1580.3	1579.0	1577.7	1576.4	1576.1	1576.7	1577.3	1577.9	1578.4	1579.0	1579.6
155°	1618.4	1616.7	1615.0	1613.3	1612.7	1613.3	1613.8	1614.4	1615.0	1615.8	1616.7
157.5°	1648.9	1647.9	1646.8	1645.8	1645.3	1645.4	1645.5	1645.5	1645.5	1646.5	1647.4
160°	1669.0	1667.2	1665.5	1663.8	1663.0	1663.4	1663.6	1663.9	1664.2	1665.3	1666.5
162.5°	1685.6	1683.9	1682.0	1680.3	1679.6	1679.9	1680.2	1680.5	1680.8	1682.4	1684.0
165°	1707.9	1706.1	1704.3	1702.6	1701.9	1702.2	1702.5	1702.8	1703.1	1704.8	1706.5
167.5°	1724.4	1722.6	1720.8	1719.0	1718.3	1718.6	1718.8	1719.2	1719.4	1721.5	1723.5
170°	1733.5	1731.5	1729.4	1727.4	1726.6	1726.8	1727.2	1727.4	1727.7	1730.0	1732.3
172.5°	1739.7	1737.7	1735.7	1733.6	1732.9	1733.5	1734.0	1734.5	1735.0	1737.1	1739.1
175°	1746.7	1745.0	1743.3	1741.5	1740.9	1741.1	1741.4	1741.7	1742.0	1744.3	1746.5
177.5°	1750.2	1748.8	1747.4	1746.0	1745.4	1745.7	1745.9	1746.1	1746.4	1748.0	1749.6
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1653.7	1658.0	1667.2	1664.0	1668.3	1670.4	1672.6
5°	1787.3	1808.8	1818.2	1816.9	1830.9	1827.6	1824.2
7.5°	1938.2	1960.8	1973.4	1989.1	1998.2	1998.9	2006.8
10°	2023.6	2053.1	2065.2	2082.0	2092.7	2098.8	2098.1
12.5°	2089.0	2112.2	2139.2	2147.5	2162.0	2169.6	2166.8
15°	2167.9	2204.8	2233.0	2247.0	2265.2	2270.5	2277.9
17.5°	2238.3	2287.8	2320.7	2364.4	2380.9	2391.0	2385.1
20°	2291.4	2356.5	2389.4	2441.7	2470.6	2486.1	2480.6
22.5°	2354.2	2424.7	2485.4	2530.8	2574.7	2595.6	2599.9
25°	2461.9	2558.5	2647.7	2707.5	2761.8	2774.6	2802.8
27.5°	2582.1	2696.0	2791.5	2854.4	2892.2	2906.4	2915.3
30°	2657.8	2771.2	2843.1	2883.3	2895.5	2894.1	2892.7
32.5°	2694.8	2765.9	2779.7	2768.5	2740.8	2717.4	2693.0
35°	2642.4	2589.4	2510.2	2408.1	2333.0	2257.1	2249.8
37.5°	2376.4	2206.9	2075.1	1927.9	1842.9	1790.4	1754.2
40°	2126.2	1933.6	1773.9	1649.8	1563.1	1529.0	1495.4
42.5°	1854.6	1670.5	1529.0	1425.3	1360.2	1322.2	1295.6
45°	1506.8	1344.4	1233.6	1158.5	1106.7	1077.2	1060.4
47.5°	1234.7	1114.6	1020.5	966.2	930.5	907.6	907.7
50°	1088.6	973.9	911.5	868.5	837.6	819.5	822.9
52.5°	959.2	873.5	820.2	784.2	761.4	750.2	749.8
55°	802.0	740.3	705.4	679.2	663.7	651.0	653.8
57.5°	686.0	634.0	610.6	588.9	578.2	573.1	565.7
60°	614.2	573.9	553.7	536.2	525.6	521.5	514.1
62.5°	550.3	518.6	498.9	484.7	475.0	473.7	468.0
65°	462.4	438.2	420.9	414.1	404.1	401.4	401.4
67.5°	381.3	363.9	350.3	344.1	339.8	340.4	337.2
70°	330.2	316.2	307.4	300.7	297.3	298.0	295.3
72.5°	288.9	273.2	265.5	261.5	257.1	258.8	257.7
75°	218.8	210.8	206.7	202.7	200.0	198.6	197.3
77.5°	160.7	153.6	150.5	148.2	148.6	145.3	147.9
80°	124.2	118.1	116.1	112.8	112.1	112.1	111.4
82.5°	90.8	87.5	86.0	83.3	82.1	83.1	81.4
85°	47.0	44.3	43.7	43.7	42.3	41.0	44.3
87.5°	22.2	20.3	20.6	20.2	20.4	20.0	19.1
90°	25.1	26.5	27.6	28.5	29.4	30.2	31.1
92.5°	25.1	26.5	27.4	27.8	28.2	28.7	29.0
95°	25.1	26.5	27.2	27.2	27.2	27.2	27.2
97.5°	39.4	31.3	27.2	27.2	27.2	27.2	27.2
100°	96.8	53.9	31.9	30.7	29.5	28.4	27.2
102.5°	263.4	255.3	241.4	221.8	202.2	182.6	163.1
105°	386.2	386.2	386.1	385.8	385.6	385.2	385.0
107.5°	489.0	489.1	488.7	487.8	487.0	486.1	485.3
110°	554.7	553.9	553.6	553.9	554.1	554.5	554.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	620.4	619.3	618.5	618.2	617.8	617.3	616.9
115°	719.8	718.6	717.2	715.5	713.7	712.0	710.2
117.5°	815.5	813.9	812.8	812.1	811.3	810.5	809.8
120°	878.3	877.8	876.8	875.3	873.8	872.5	871.0
122.5°	937.5	936.9	935.7	934.1	932.4	930.7	929.0
125°	1023.0	1021.9	1020.9	1020.0	1019.2	1018.3	1017.4
127.5°	1102.4	1101.7	1100.4	1098.2	1096.1	1094.0	1091.8
130°	1153.6	1152.7	1151.5	1150.1	1148.7	1147.2	1145.7
132.5°	1202.3	1202.1	1201.3	1199.9	1198.4	1197.0	1195.5
135°	1272.4	1271.8	1270.6	1268.9	1267.1	1265.4	1263.7
137.5°	1338.7	1338.9	1338.2	1336.6	1335.2	1333.6	1332.1
140°	1379.5	1380.1	1379.5	1377.8	1376.1	1374.3	1372.6
142.5°	1418.6	1418.7	1417.9	1416.1	1414.4	1412.6	1410.9
145°	1474.5	1474.8	1474.1	1472.4	1470.7	1469.0	1467.2
147.5°	1522.4	1522.8	1521.9	1519.8	1517.8	1515.7	1513.6
150°	1553.2	1553.8	1552.9	1550.6	1548.3	1546.0	1543.7
152.5°	1580.1	1580.7	1579.9	1577.9	1575.8	1573.7	1571.7
155°	1617.6	1618.4	1617.6	1615.4	1613.1	1610.8	1608.4
157.5°	1648.3	1649.2	1648.6	1646.2	1643.9	1641.6	1639.3
160°	1667.7	1668.8	1668.3	1665.9	1663.6	1661.3	1659.1
162.5°	1685.7	1687.2	1686.8	1684.3	1681.7	1679.2	1676.6
165°	1708.3	1710.0	1709.7	1707.4	1705.1	1702.8	1700.5
167.5°	1725.6	1727.7	1727.4	1724.8	1722.3	1719.7	1717.1
170°	1734.7	1736.9	1736.8	1734.2	1731.6	1729.0	1726.4
172.5°	1741.2	1743.3	1743.0	1740.4	1737.8	1735.3	1732.7
175°	1748.9	1751.2	1751.0	1748.4	1745.8	1743.3	1740.7
177.5°	1751.2	1752.8	1752.7	1750.8	1749.0	1747.1	1745.3
180°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4

(END OF REPORT)