

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: P333732

Luminaire Tested: **S125RDIW-S1270D1340U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333732
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: S125RDIW-S1270D1340U835-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1340 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10286.9 lumens
Efficiency: N/A
Efficacy: 135.0 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

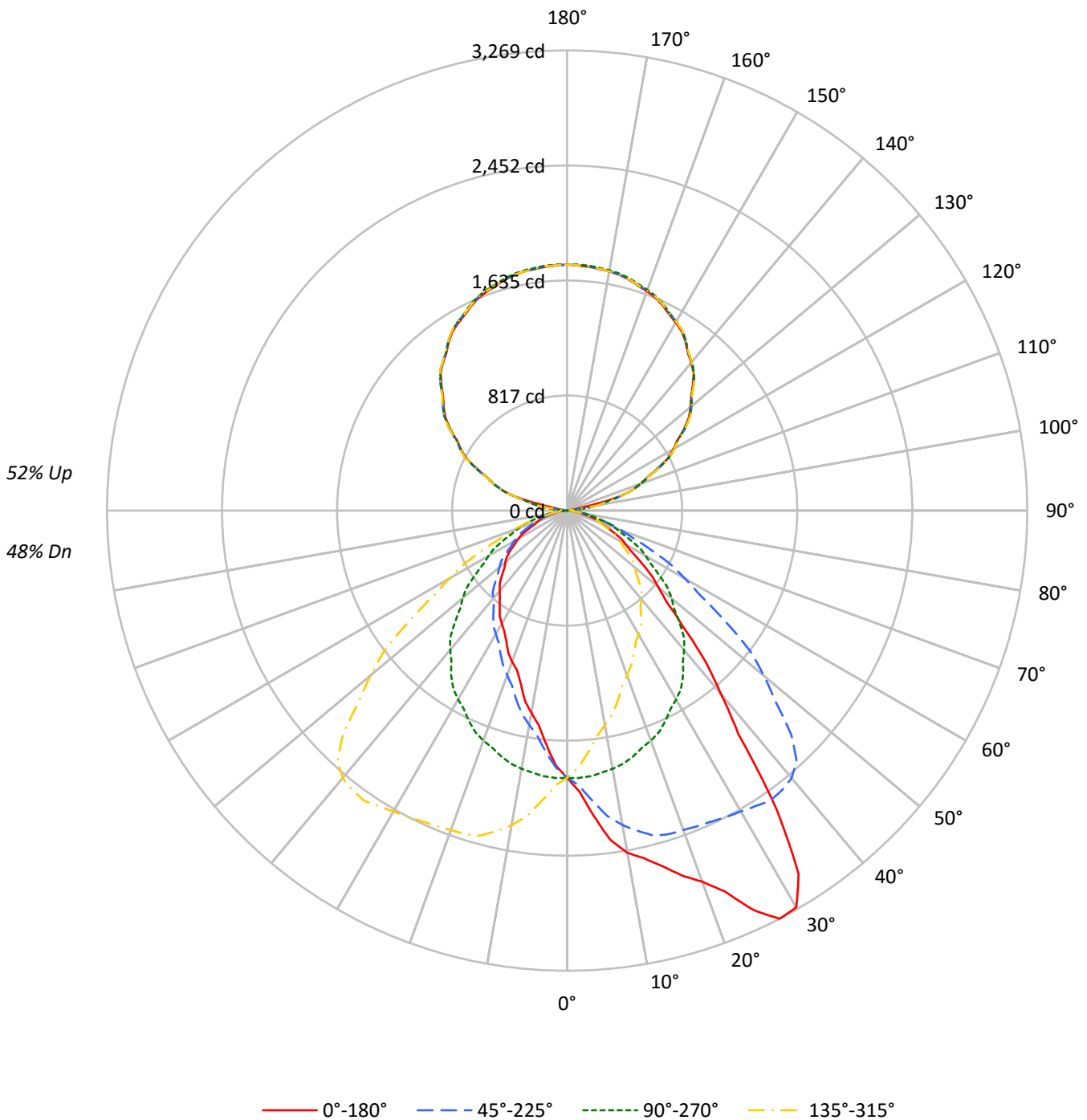
Input Watts (W): 76.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	0		
RCR																										
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48	48	48	48		
1	98	94	90	87	90	86	83	80	73	70	68	60	59	57	49	48	47	41	41	41	41	41	41	41		
2	89	82	76	71	82	76	71	66	64	60	57	53	51	48	43	41	40	35	35	35	35	35	35	35		
3	82	72	65	60	75	67	61	56	57	52	48	47	44	41	39	36	34	30	30	30	30	30	30	30		
4	75	64	57	51	69	60	53	48	51	46	42	42	39	36	35	32	30	26	26	26	26	26	26	26		
5	69	57	49	44	63	53	46	41	45	40	36	38	34	31	31	28	26	23	23	23	23	23	23	23		
6	63	52	44	38	58	48	41	36	41	36	31	35	30	27	28	25	23	20	20	20	20	20	20	20		
7	59	47	39	33	54	43	36	31	37	32	28	31	27	24	26	23	21	18	18	18	18	18	18	18		
8	54	42	35	29	50	39	33	28	34	29	25	29	25	22	24	21	18	16	16	16	16	16	16	16		
9	51	39	31	26	47	36	29	25	31	26	22	26	22	19	22	19	17	14	14	14	14	14	14	14		
10	47	35	28	24	44	33	27	22	29	23	20	24	20	18	20	17	15	13	13	13	13	13	13	13		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12264	12264	12264	12264
5°	14110	12280	10845	12280
10°	16184	12218	9569	12218
15°	17481	12092	8506	12092
20°	19276	11947	7854	11947
25°	22308	11754	7288	11754
30°	24276	11551	6918	11551
35°	20478	11315	6576	11315
40°	14300	10890	6283	10890
45°	10609	10316	5994	10316
50°	8459	9720	5749	9720
55°	7179	8979	5530	8979
60°	6203	8317	5176	8317
65°	5527	7600	4455	7600
70°	4857	6962	4062	6962
75°	4202	6029	3813	6029
80°	3187	5073	3187	5073
85°	2660	3987	3001	3987



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.1	1.8
10°-20°	533.6	5.2
20°-30°	846.1	8.2
30°-40°	1020.3	9.9
40°-50°	911.2	8.9
50°-60°	698.8	6.8
60°-70°	454.1	4.4
70°-80°	220.8	2.1
80°-90°	56.3	0.5
90°-100°	63.5	0.6
100°-110°	391.2	3.8
110°-120°	709.5	6.9
120°-130°	910.5	8.9
130°-140°	979.3	9.5
140°-150°	919.2	8.9
150°-160°	743.6	7.2
160°-170°	480.9	4.7
170°-180°	165.9	1.6
0°-30°	1561.8	15.2
0°-40°	2582.2	25.1
0°-60°	4192.1	40.8
0°-90°	4923.4	47.9
90°-120°	1164.1	11.3
90°-150°	3973.2	38.6
90°-180°	5364.0	52.1
0°-180°	10286.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1899	1899	1899	1899	1899	
5°	2176	1894	1673	1894	2176	217
15°	2614	1808	1272	1808	2614	749
25°	3130	1649	1023	1649	3130	1437
35°	2597	1435	834	1435	2597	1569
45°	1162	1130	656	1130	1162	927
55°	638	797	491	797	638	579
65°	362	497	292	497	362	360
75°	168	242	153	242	168	179
85°	36	54	40	54	36	42
90°	31	1	31	1	31	15
95°	27	74	27	74	27	22
105°	384	381	384	381	384	348
115°	710	715	710	715	710	704
125°	1016	1016	1016	1016	1016	904
135°	1262	1268	1262	1268	1262	974
145°	1466	1470	1466	1470	1466	916
155°	1607	1618	1607	1618	1607	741
165°	1699	1708	1699	1708	1699	479
175°	1739	1747	1739	1747	1739	165
180°	1747	1747	1747	1747	1747	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1997.4	1996.2	1998.7	1991.8	1992.4	1981.8	1981.8	1973.7	1963.1	1955.0	1951.3
5°	2176.4	2178.0	2174.8	2163.1	2155.4	2143.7	2130.4	2107.0	2087.5	2068.8	2054.0
7.5°	2360.7	2361.8	2351.5	2347.9	2328.2	2313.9	2284.4	2252.6	2224.4	2188.6	2161.1
10°	2467.9	2467.2	2456.2	2447.7	2430.5	2408.7	2379.9	2342.4	2307.4	2268.4	2231.0
12.5°	2530.3	2528.3	2524.8	2514.4	2498.5	2479.2	2454.7	2417.9	2374.7	2332.0	2288.3
15°	2614.5	2609.0	2598.9	2585.6	2563.0	2540.4	2513.1	2480.4	2439.1	2390.8	2350.2
17.5°	2718.6	2718.8	2703.2	2684.8	2654.1	2614.2	2572.1	2519.2	2463.1	2409.9	2366.8
20°	2804.7	2802.3	2786.8	2750.9	2715.8	2665.9	2617.6	2552.9	2484.3	2414.9	2361.1
22.5°	2928.2	2922.1	2905.9	2858.8	2804.4	2740.1	2666.2	2587.2	2504.3	2425.5	2354.9
25°	3130.5	3125.8	3093.9	3039.3	2962.9	2863.9	2767.3	2658.9	2539.7	2436.0	2350.2
27.5°	3269.0	3263.8	3240.1	3194.8	3124.3	3020.1	2889.3	2744.5	2595.6	2453.0	2329.3
30°	3255.2	3266.9	3263.8	3242.8	3189.8	3096.2	2975.4	2812.5	2635.5	2467.9	2320.6
32.5°	3059.4	3069.9	3097.3	3138.6	3141.7	3104.3	3014.1	2863.6	2680.4	2489.8	2313.7
35°	2597.3	2611.4	2664.4	2747.8	2856.9	2948.1	2966.8	2885.8	2721.3	2516.3	2303.5
37.5°	1996.8	2073.5	2118.1	2205.9	2370.8	2538.6	2699.9	2759.3	2689.3	2505.4	2286.8
40°	1696.2	1714.9	1794.4	1893.4	2032.2	2206.8	2436.8	2602.8	2608.2	2480.4	2260.6
42.5°	1451.8	1475.5	1530.0	1609.1	1727.9	1902.5	2139.9	2359.0	2460.5	2411.8	2226.3
45°	1161.5	1179.4	1219.2	1280.0	1371.2	1515.4	1719.6	1972.9	2174.1	2252.8	2134.3
47.5°	954.1	963.8	998.4	1044.7	1112.2	1217.3	1375.4	1595.3	1836.5	2005.7	1989.0
50°	841.9	852.8	879.3	914.4	971.3	1060.1	1186.4	1369.6	1618.3	1824.8	1866.2
52.5°	754.6	763.6	780.1	813.3	860.3	928.6	1030.5	1196.2	1420.0	1639.6	1735.2
55°	637.6	643.9	657.1	675.8	713.3	762.4	850.4	965.0	1145.9	1367.3	1507.6
57.5°	541.3	544.4	552.8	570.1	596.0	631.9	695.5	792.6	922.3	1121.7	1276.5
60°	480.2	483.3	494.2	505.9	526.2	558.9	608.8	676.6	801.3	965.8	1122.5
62.5°	431.5	433.4	438.1	449.8	467.6	492.8	532.1	587.4	686.6	831.1	979.1
65°	361.7	362.5	364.0	373.4	384.3	403.0	428.7	467.7	542.5	651.7	782.6
67.5°	294.7	295.7	301.2	304.5	315.9	325.7	340.8	370.6	423.3	496.9	598.7
70°	257.2	256.5	261.9	265.8	269.7	281.4	291.5	315.7	348.4	404.6	489.5
72.5°	222.3	220.3	222.6	224.0	229.2	237.1	247.3	262.1	287.3	326.0	391.0
75°	168.4	169.2	169.2	170.7	174.6	177.7	180.8	188.6	202.7	228.4	263.5
77.5°	118.2	116.9	120.2	120.7	123.0	126.4	129.1	132.2	138.0	148.6	166.7
80°	85.7	85.7	86.5	88.9	88.1	89.6	93.5	96.7	103.7	109.9	116.1
82.5°	65.8	65.2	65.9	66.4	66.3	67.8	69.2	69.8	72.5	75.6	80.0
85°	35.9	35.9	36.6	36.6	37.4	37.4	38.2	38.2	38.2	39.0	39.8
87.5°	19.9	19.1	18.3	18.2	18.6	19.6	18.7	17.8	17.5	17.2	17.5
90°	31.1	30.2	29.3	28.5	27.6	26.5	25.0	23.6	22.2	20.7	18.7
92.5°	29.0	28.6	28.2	27.8	27.4	26.5	25.0	23.6	22.2	20.7	18.9
95°	27.2	27.2	27.2	27.2	27.2	26.5	25.0	23.6	22.2	20.7	31.6
97.5°	27.2	27.2	27.2	27.2	27.2	31.2	39.4	47.5	55.6	63.7	85.3
100°	27.2	28.3	29.5	30.6	31.8	53.8	96.7	139.5	182.4	225.3	224.1
102.5°	162.9	182.4	202.0	221.6	241.1	255.0	263.1	271.2	279.3	287.4	286.7
105°	384.5	384.8	385.1	385.4	385.7	385.8	385.8	385.8	385.8	385.8	385.8
107.5°	484.8	485.6	486.5	487.3	488.2	488.6	488.6	488.5	488.4	488.4	487.8
110°	554.2	553.9	553.6	553.3	553.0	553.3	554.2	555.0	555.9	556.7	556.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	616.3	616.7	617.1	617.5	617.9	618.7	619.8	620.8	621.9	623.0	622.7
115°	709.5	711.2	713.0	714.7	716.4	717.9	719.0	720.2	721.3	722.5	722.2
117.5°	809.0	809.7	810.5	811.2	811.9	813.1	814.6	816.1	817.6	819.1	818.0
120°	870.1	871.5	872.9	874.4	875.8	876.8	877.4	878.0	878.6	879.1	878.3
122.5°	928.1	929.7	931.4	933.1	934.7	935.9	936.4	937.0	937.6	938.2	937.8
125°	1016.4	1017.2	1018.1	1019.0	1019.8	1020.8	1022.0	1023.1	1024.3	1025.4	1025.4
127.5°	1090.7	1092.8	1095.0	1097.1	1099.2	1100.6	1101.2	1101.9	1102.5	1103.1	1103.3
130°	1144.6	1146.0	1147.4	1148.9	1150.3	1151.5	1152.3	1153.2	1154.1	1154.9	1154.6
132.5°	1194.3	1195.7	1197.2	1198.6	1200.0	1200.8	1201.0	1201.2	1201.4	1201.5	1202.2
135°	1262.4	1264.1	1265.8	1267.6	1269.3	1270.4	1271.0	1271.6	1272.2	1272.7	1273.3
137.5°	1330.7	1332.2	1333.7	1335.2	1336.7	1337.4	1337.3	1337.2	1337.1	1337.0	1337.5
140°	1371.1	1372.9	1374.6	1376.3	1378.0	1378.6	1378.0	1377.5	1376.9	1376.3	1376.6
142.5°	1409.5	1411.2	1412.9	1414.6	1416.4	1417.2	1417.1	1416.9	1416.8	1416.7	1416.3
145°	1465.7	1467.4	1469.1	1470.8	1472.6	1473.3	1473.0	1472.7	1472.4	1472.1	1472.1
147.5°	1512.0	1514.1	1516.1	1518.2	1520.3	1521.2	1520.8	1520.5	1520.1	1519.8	1519.4
150°	1542.0	1544.3	1546.6	1548.9	1551.2	1552.1	1551.5	1551.0	1550.4	1549.8	1549.2
152.5°	1570.0	1572.1	1574.2	1576.2	1578.3	1579.0	1578.5	1577.9	1577.3	1576.7	1576.2
155°	1606.8	1609.1	1611.4	1613.7	1616.0	1616.7	1615.8	1615.0	1614.1	1613.3	1612.7
157.5°	1637.6	1639.9	1642.2	1644.5	1646.8	1647.5	1646.6	1645.7	1644.7	1643.8	1643.8
160°	1657.3	1659.6	1661.9	1664.2	1666.5	1667.1	1665.9	1664.8	1663.6	1662.5	1662.2
162.5°	1674.9	1677.4	1679.9	1682.5	1685.0	1685.5	1683.9	1682.2	1680.6	1679.0	1678.7
165°	1698.7	1701.0	1703.3	1705.6	1707.9	1708.2	1706.5	1704.7	1703.0	1701.3	1701.0
167.5°	1715.3	1717.9	1720.5	1723.0	1725.6	1725.9	1723.8	1721.8	1719.7	1717.6	1717.3
170°	1724.6	1727.2	1729.8	1732.4	1735.0	1735.1	1732.8	1730.5	1728.2	1725.9	1725.6
172.5°	1730.8	1733.4	1736.0	1738.6	1741.2	1741.4	1739.4	1737.3	1735.2	1733.1	1732.6
175°	1738.8	1741.4	1744.0	1746.6	1749.2	1749.3	1747.0	1744.7	1742.4	1740.1	1739.9
177.5°	1743.5	1745.3	1747.2	1749.0	1750.9	1751.0	1749.4	1747.8	1746.2	1744.5	1744.3
180°	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1951.3	1946.9	1938.8	1931.3	1922.0	1913.9	1908.2	1901.4	1892.7	1882.1	1873.3
5°	2037.6	2020.5	1997.9	1978.4	1953.5	1934.0	1913.7	1894.2	1874.7	1849.8	1828.0
7.5°	2133.4	2098.0	2063.5	2020.2	1980.9	1945.8	1912.1	1878.0	1844.6	1809.2	1775.1
10°	2192.0	2149.1	2101.6	2047.0	1997.1	1949.6	1905.9	1863.0	1817.8	1778.1	1735.2
12.5°	2246.9	2191.5	2137.1	2068.2	2008.3	1950.2	1894.7	1841.2	1792.9	1741.3	1695.3
15°	2296.4	2241.9	2181.1	2096.9	2013.5	1943.3	1877.8	1808.5	1748.4	1690.8	1639.3
17.5°	2315.6	2258.4	2187.8	2106.9	2015.7	1927.4	1843.1	1767.0	1696.4	1629.2	1571.3
20°	2308.1	2252.8	2180.3	2103.1	2005.7	1913.7	1822.5	1738.3	1659.6	1588.6	1527.1
22.5°	2290.1	2232.8	2162.8	2081.3	1988.8	1891.3	1793.8	1704.0	1621.5	1548.1	1480.9
25°	2262.9	2185.0	2113.3	2033.7	1945.7	1849.0	1748.4	1649.4	1561.4	1486.5	1413.3
27.5°	2234.7	2137.4	2046.2	1967.2	1874.1	1787.9	1690.9	1589.4	1496.8	1420.6	1345.4
30°	2209.1	2100.0	1999.4	1909.8	1821.7	1739.9	1647.9	1548.9	1453.8	1375.1	1298.7
32.5°	2177.3	2061.3	1950.8	1847.4	1762.5	1681.3	1598.0	1503.4	1410.8	1329.5	1251.9
35°	2137.4	1989.3	1869.3	1759.4	1665.0	1586.3	1511.5	1435.1	1342.3	1258.1	1182.5
37.5°	2085.0	1917.0	1778.1	1658.3	1558.9	1479.8	1420.7	1350.9	1266.2	1185.6	1115.5
40°	2053.2	1864.6	1712.6	1594.1	1489.6	1406.2	1350.9	1291.7	1214.5	1138.9	1068.7
42.5°	2010.8	1816.6	1646.5	1523.0	1417.9	1337.6	1281.7	1229.9	1165.2	1094.0	1018.8
45°	1927.7	1723.5	1545.0	1412.5	1306.5	1227.7	1175.5	1129.5	1080.4	1014.9	949.4
47.5°	1819.5	1626.4	1439.6	1294.9	1191.1	1118.0	1067.3	1031.0	995.9	940.2	876.6
50°	1732.9	1546.6	1364.1	1223.8	1113.1	1043.8	996.2	967.4	935.4	884.7	831.7
52.5°	1630.6	1464.2	1285.6	1142.1	1037.7	972.7	927.0	898.2	871.8	830.5	780.0
55°	1469.4	1323.6	1159.9	1029.7	933.9	868.4	824.7	797.4	781.9	746.8	707.0
57.5°	1283.4	1178.9	1034.6	909.1	824.3	759.6	727.6	704.4	686.8	662.0	633.9
60°	1153.7	1080.4	951.0	831.7	753.8	692.2	663.4	643.9	627.5	606.5	584.6
62.5°	1022.1	968.8	856.2	753.8	682.1	630.5	603.5	585.9	567.0	552.8	531.6
65°	845.8	798.2	720.3	640.0	573.7	532.4	512.9	497.3	485.6	470.0	455.2
67.5°	657.9	638.6	584.8	529.4	481.9	445.1	428.3	417.4	403.3	394.0	383.8
70°	542.5	533.2	495.0	458.4	413.9	389.0	373.4	368.7	351.6	342.2	335.2
72.5°	440.3	435.9	413.9	388.5	357.2	335.3	321.0	315.7	304.8	297.3	292.8
75°	301.7	303.2	299.3	283.0	271.3	257.2	244.8	241.6	233.9	227.6	223.7
77.5°	190.8	198.8	199.1	198.3	193.6	185.1	179.9	177.6	169.9	167.6	166.7
80°	131.0	139.5	147.3	146.5	145.0	142.7	138.8	136.4	132.5	130.2	128.6
82.5°	87.3	95.3	101.8	106.0	105.7	103.4	100.7	99.6	98.8	97.1	96.8
85°	41.3	42.9	45.2	50.7	54.6	55.3	54.6	53.8	51.4	52.2	53.0
87.5°	17.7	17.3	17.5	17.1	16.0	18.6	20.1	20.2	19.4	18.6	17.9
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	15.1	16.7	18.3	19.9	18.3	16.7	15.1
95°	42.6	53.5	64.4	70.3	71.2	72.1	72.9	73.8	72.9	72.1	71.2
97.5°	107.0	128.6	150.2	160.3	158.7	157.2	155.6	154.1	155.6	157.2	158.7
100°	223.0	221.8	220.7	219.7	218.8	217.9	217.1	216.2	217.1	217.9	218.8
102.5°	286.1	285.4	284.7	283.8	282.7	281.6	280.5	279.4	280.5	281.6	282.7
105°	385.8	385.8	385.8	385.3	384.1	383.0	381.8	380.7	381.8	383.0	384.1
107.5°	487.2	486.7	486.1	485.8	485.8	485.8	485.8	485.8	485.8	485.8	485.8
110°	555.6	555.0	554.4	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2



TEST NUMBER: P333732

CATALOG NUMBER: S125RDIW-S1270D1340U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	622.3	622.0	621.7	621.1	620.4	619.8	619.1	618.4	619.1	619.8	620.4
115°	721.9	721.6	721.3	720.5	719.0	717.6	716.1	714.7	716.1	717.6	719.0
117.5°	816.9	815.8	814.7	814.2	814.2	814.3	814.3	814.4	814.3	814.3	814.2
120°	877.4	876.5	875.7	875.4	875.7	876.0	876.3	876.5	876.3	876.0	875.7
122.5°	937.4	937.0	936.6	935.8	934.7	933.6	932.5	931.4	932.5	933.6	934.7
125°	1025.4	1025.4	1025.4	1024.4	1022.4	1020.4	1018.4	1016.4	1018.4	1020.4	1022.4
127.5°	1103.5	1103.6	1103.8	1103.2	1101.7	1100.3	1098.9	1097.4	1098.9	1100.3	1101.7
130°	1154.3	1154.1	1153.8	1152.9	1151.5	1150.0	1148.6	1147.1	1148.6	1150.0	1151.5
132.5°	1202.8	1203.4	1204.1	1203.5	1201.9	1200.2	1198.5	1196.9	1198.5	1200.2	1201.9
135°	1273.9	1274.5	1275.0	1274.5	1272.7	1271.0	1269.3	1267.6	1269.3	1271.0	1272.7
137.5°	1338.0	1338.5	1339.0	1338.5	1337.0	1335.5	1334.0	1332.6	1334.0	1335.5	1337.0
140°	1376.9	1377.2	1377.5	1377.3	1376.7	1376.2	1375.6	1375.0	1375.6	1376.2	1376.7
142.5°	1415.9	1415.5	1415.1	1414.7	1414.4	1414.0	1413.7	1413.3	1413.7	1414.0	1414.4
145°	1472.1	1472.1	1472.1	1471.8	1471.3	1470.7	1470.1	1469.5	1470.1	1470.7	1471.3
147.5°	1519.1	1518.7	1518.4	1518.3	1518.4	1518.5	1518.6	1518.7	1518.6	1518.5	1518.4
150°	1548.7	1548.1	1547.5	1547.5	1548.1	1548.7	1549.2	1549.8	1549.2	1548.7	1548.1
152.5°	1575.6	1575.0	1574.4	1574.8	1576.1	1577.3	1578.6	1579.8	1578.6	1577.3	1576.1
155°	1612.1	1611.5	1611.0	1611.5	1613.3	1615.0	1616.7	1618.4	1616.7	1615.0	1613.3
157.5°	1643.7	1643.6	1643.6	1644.1	1645.1	1646.1	1647.2	1648.2	1647.2	1646.1	1645.1
160°	1661.9	1661.6	1661.3	1662.0	1663.7	1665.5	1667.2	1668.9	1667.2	1665.5	1663.7
162.5°	1678.5	1678.2	1677.9	1678.6	1680.3	1682.0	1683.8	1685.5	1683.8	1682.0	1680.3
165°	1700.7	1700.4	1700.1	1700.9	1702.6	1704.3	1706.0	1707.8	1706.0	1704.3	1702.6
167.5°	1717.0	1716.7	1716.5	1717.2	1719.0	1720.8	1722.6	1724.3	1722.6	1720.8	1719.0
170°	1725.3	1725.0	1724.7	1725.6	1727.6	1729.6	1731.7	1733.7	1731.7	1729.6	1727.6
172.5°	1732.1	1731.6	1731.1	1731.8	1733.8	1735.9	1737.9	1739.9	1737.9	1735.9	1733.8
175°	1739.6	1739.3	1739.0	1739.7	1741.4	1743.2	1744.9	1746.6	1744.9	1743.2	1741.4
177.5°	1744.1	1743.9	1743.6	1744.2	1745.6	1747.0	1748.3	1749.7	1748.3	1747.0	1745.6
180°	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1867.1	1858.4	1852.1	1839.6	1830.9	1827.2	1820.3	1818.4	1825.3	1820.3	1819.7
5°	1811.6	1789.0	1771.1	1753.1	1733.6	1721.2	1702.5	1699.3	1694.7	1687.6	1686.1
7.5°	1745.0	1715.6	1692.5	1662.9	1637.1	1616.4	1593.0	1581.9	1575.9	1566.8	1554.7
10°	1700.1	1665.0	1633.9	1604.2	1572.3	1546.6	1523.2	1505.2	1493.5	1482.6	1478.0
12.5°	1655.8	1620.1	1580.2	1544.4	1508.7	1479.8	1453.9	1442.3	1429.3	1416.5	1405.6
15°	1587.1	1539.5	1495.9	1454.6	1424.2	1393.0	1368.0	1350.9	1331.4	1326.0	1304.9
17.5°	1514.1	1467.5	1416.4	1372.9	1337.6	1303.3	1275.9	1256.4	1241.8	1221.7	1212.0
20°	1468.6	1413.3	1363.4	1323.6	1284.6	1244.1	1216.0	1199.7	1185.6	1169.3	1161.5
22.5°	1420.0	1365.9	1314.7	1268.1	1228.5	1188.6	1168.6	1151.7	1135.7	1120.6	1110.3
25°	1348.6	1294.0	1240.2	1191.9	1150.6	1121.7	1098.3	1078.8	1070.3	1055.5	1044.5
27.5°	1277.9	1219.9	1164.1	1115.9	1083.5	1055.0	1035.8	1020.4	1004.9	992.0	982.5
30°	1232.4	1173.2	1112.4	1074.2	1039.9	1012.6	991.5	976.7	965.0	953.3	946.3
32.5°	1186.9	1125.8	1071.8	1030.5	998.1	974.5	952.9	938.7	926.4	913.4	905.2
35°	1113.9	1051.6	1007.9	967.4	935.4	913.6	898.8	878.5	868.4	859.0	850.4
37.5°	1046.1	988.1	940.9	905.3	877.6	855.9	836.7	825.8	813.3	804.9	797.8
40°	996.2	943.2	900.3	862.9	842.7	818.5	800.6	786.5	777.2	766.3	758.5
42.5°	951.3	902.1	860.4	826.8	801.5	781.1	763.8	749.7	737.9	730.1	723.5
45°	887.9	838.8	798.2	767.0	743.7	724.2	706.2	699.2	683.6	674.3	671.2
47.5°	822.2	778.3	739.1	710.4	686.4	668.0	651.2	636.9	628.3	619.1	614.1
50°	778.0	735.9	699.2	671.2	647.8	627.5	611.9	602.6	590.9	582.3	576.1
52.5°	733.7	694.7	658.1	631.2	611.0	590.7	573.3	563.9	552.8	547.4	543.0
55°	670.4	629.1	597.9	571.4	550.3	531.6	515.3	505.9	498.9	493.4	491.9
57.5°	598.7	565.9	536.9	513.1	491.2	473.6	459.3	450.4	444.2	443.4	438.7
60°	551.9	522.3	495.8	470.0	451.3	435.0	422.5	412.4	406.1	405.3	403.8
62.5°	505.1	476.7	452.1	429.5	412.7	396.9	385.1	373.7	370.0	366.1	362.6
65°	435.7	410.0	389.8	371.8	353.9	340.6	329.0	321.9	313.4	308.7	300.1
67.5°	367.6	347.7	328.2	313.1	299.0	286.4	276.7	266.3	260.5	256.8	250.5
70°	322.7	307.1	287.6	271.3	260.4	250.2	242.4	230.7	226.8	223.7	220.6
72.5°	280.3	266.6	250.2	237.0	226.1	216.5	207.5	202.0	198.2	195.0	193.2
75°	220.6	207.4	193.3	184.0	176.2	168.4	163.7	159.8	158.2	157.5	154.3
77.5°	162.0	155.0	143.7	136.3	131.1	128.0	123.8	121.8	121.6	118.2	117.1
80°	123.9	120.0	110.7	107.6	103.7	100.6	98.2	94.3	90.4	88.9	86.5
82.5°	92.1	88.2	84.5	79.5	76.2	74.4	72.0	70.6	71.1	68.9	67.8
85°	49.1	45.2	43.7	42.9	41.3	42.9	42.1	41.3	40.5	39.8	40.5
87.5°	17.7	18.1	17.9	19.6	18.1	19.1	19.4	19.1	19.3	19.6	19.2
90°	10.5	12.7	14.7	16.7	18.7	20.7	22.2	23.6	25.0	26.5	27.6
92.5°	13.5	13.6	15.4	17.1	18.9	20.7	22.2	23.6	25.0	26.5	27.4
95°	70.3	64.4	53.5	42.6	31.6	20.7	22.2	23.6	25.0	26.5	27.2
97.5°	160.3	150.2	128.6	107.0	85.3	63.7	55.6	47.5	39.4	31.2	27.2
100°	219.7	220.7	221.8	223.0	224.1	225.3	182.4	139.5	96.7	53.8	31.8
102.5°	283.8	284.7	285.4	286.1	286.7	287.4	279.3	271.2	263.1	255.0	241.1
105°	385.3	385.8	385.8	385.8	385.8	385.8	385.8	385.8	385.8	385.8	385.7
107.5°	485.8	486.1	486.7	487.2	487.8	488.4	488.4	488.5	488.6	488.6	488.2
110°	554.2	554.4	555.0	555.6	556.2	556.7	555.9	555.0	554.2	553.3	553.0



TEST NUMBER: P333732

CATALOG NUMBER: S125RDIW-S1270D1340U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	621.1	621.7	622.0	622.3	622.7	623.0	621.9	620.8	619.8	618.7	617.9
115°	720.5	721.3	721.6	721.9	722.2	722.5	721.3	720.2	719.0	717.9	716.4
117.5°	814.2	814.7	815.8	816.9	818.0	819.1	817.6	816.1	814.6	813.1	811.9
120°	875.4	875.7	876.5	877.4	878.3	879.1	878.6	878.0	877.4	876.8	875.8
122.5°	935.8	936.6	937.0	937.4	937.8	938.2	937.6	937.0	936.4	935.9	934.7
125°	1024.4	1025.4	1025.4	1025.4	1025.4	1025.4	1024.3	1023.1	1022.0	1020.8	1019.8
127.5°	1103.2	1103.8	1103.6	1103.5	1103.3	1103.1	1102.5	1101.9	1101.2	1100.6	1099.2
130°	1152.9	1153.8	1154.1	1154.3	1154.6	1154.9	1154.1	1153.2	1152.3	1151.5	1150.3
132.5°	1203.5	1204.1	1203.4	1202.8	1202.2	1201.5	1201.4	1201.2	1201.0	1200.8	1200.0
135°	1274.5	1275.0	1274.5	1273.9	1273.3	1272.7	1272.2	1271.6	1271.0	1270.4	1269.3
137.5°	1338.5	1339.0	1338.5	1338.0	1337.5	1337.0	1337.1	1337.2	1337.3	1337.4	1336.7
140°	1377.3	1377.5	1377.2	1376.9	1376.6	1376.3	1376.9	1377.5	1378.0	1378.6	1378.0
142.5°	1414.7	1415.1	1415.5	1415.9	1416.3	1416.7	1416.8	1416.9	1417.1	1417.2	1416.4
145°	1471.8	1472.1	1472.1	1472.1	1472.1	1472.1	1472.4	1472.7	1473.0	1473.3	1472.6
147.5°	1518.3	1518.4	1518.7	1519.1	1519.4	1519.8	1520.1	1520.5	1520.8	1521.2	1520.3
150°	1547.5	1547.5	1548.1	1548.7	1549.2	1549.8	1550.4	1551.0	1551.5	1552.1	1551.2
152.5°	1574.8	1574.4	1575.0	1575.6	1576.2	1576.7	1577.3	1577.9	1578.5	1579.0	1578.3
155°	1611.5	1611.0	1611.5	1612.1	1612.7	1613.3	1614.1	1615.0	1615.8	1616.7	1616.0
157.5°	1644.1	1643.6	1643.6	1643.7	1643.8	1643.8	1644.7	1645.7	1646.6	1647.5	1646.8
160°	1662.0	1661.3	1661.6	1661.9	1662.2	1662.5	1663.6	1664.8	1665.9	1667.1	1666.5
162.5°	1678.6	1677.9	1678.2	1678.5	1678.7	1679.0	1680.6	1682.2	1683.9	1685.5	1685.0
165°	1700.9	1700.1	1700.4	1700.7	1701.0	1701.3	1703.0	1704.7	1706.5	1708.2	1707.9
167.5°	1717.2	1716.5	1716.7	1717.0	1717.3	1717.6	1719.7	1721.8	1723.8	1725.9	1725.6
170°	1725.6	1724.7	1725.0	1725.3	1725.6	1725.9	1728.2	1730.5	1732.8	1735.1	1735.0
172.5°	1731.8	1731.1	1731.6	1732.1	1732.6	1733.1	1735.2	1737.3	1739.4	1741.4	1741.2
175°	1739.7	1739.0	1739.3	1739.6	1739.9	1740.1	1742.4	1744.7	1747.0	1749.3	1749.2
177.5°	1744.2	1743.6	1743.9	1744.1	1744.3	1744.5	1746.2	1747.8	1749.4	1751.0	1750.9
180°	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6



TEST NUMBER: P333732

CATALOG NUMBER: S125RDIW-S1270D1340U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1819.1	1812.2	1810.3	1812.8	1810.3	1812.2	1819.1	1819.7	1820.3	1825.3	1818.4
5°	1678.3	1670.5	1674.4	1672.8	1674.4	1670.5	1678.3	1686.1	1687.6	1694.7	1699.3
7.5°	1554.5	1544.8	1534.5	1537.8	1534.5	1544.8	1554.5	1554.7	1566.8	1575.9	1581.9
10°	1467.8	1460.0	1455.3	1459.2	1455.3	1460.0	1467.8	1478.0	1482.6	1493.5	1505.2
12.5°	1394.9	1390.2	1386.1	1384.4	1386.1	1390.2	1394.9	1405.6	1416.5	1429.3	1442.3
15°	1295.5	1286.2	1282.3	1272.2	1282.3	1286.2	1295.5	1304.9	1326.0	1331.4	1350.9
17.5°	1204.0	1200.9	1190.8	1186.4	1190.8	1200.9	1204.0	1212.0	1221.7	1241.8	1256.4
20°	1149.8	1146.7	1136.5	1142.8	1136.5	1146.7	1149.8	1161.5	1169.3	1185.6	1199.7
22.5°	1104.9	1098.0	1094.7	1092.9	1094.7	1098.0	1104.9	1110.3	1120.6	1135.7	1151.7
25°	1041.4	1031.3	1027.4	1022.7	1027.4	1031.3	1041.4	1044.5	1055.5	1070.3	1078.8
27.5°	978.1	972.7	967.5	966.3	967.5	972.7	978.1	982.5	992.0	1004.9	1020.4
30°	937.0	931.5	927.6	927.6	927.6	931.5	937.0	946.3	953.3	965.0	976.7
32.5°	900.2	896.0	892.1	891.5	892.1	896.0	900.2	905.2	913.4	926.4	938.7
35°	846.6	840.3	838.8	834.1	838.8	840.3	846.6	850.4	859.0	868.4	878.5
37.5°	790.9	785.7	785.6	785.1	785.6	785.7	790.9	797.8	804.9	813.3	825.8
40°	755.3	751.4	750.7	745.2	750.7	751.4	755.3	758.5	766.3	777.2	786.5
42.5°	717.3	715.3	712.6	710.3	712.6	715.3	717.3	723.5	730.1	737.9	749.7
45°	665.7	660.2	660.2	656.3	660.2	660.2	665.7	671.2	674.3	683.6	699.2
47.5°	612.4	608.2	608.6	604.6	608.6	608.2	612.4	614.1	619.1	628.3	636.9
50°	576.8	574.5	573.7	572.2	573.7	574.5	576.8	576.1	582.3	590.9	602.6
52.5°	541.3	540.2	543.2	539.7	543.2	540.2	541.3	543.0	547.4	552.8	563.9
55°	493.4	491.1	495.8	491.1	495.8	491.1	493.4	491.9	493.4	498.9	505.9
57.5°	438.4	436.2	440.4	438.1	440.4	436.2	438.4	438.7	443.4	444.2	450.4
60°	402.2	397.6	399.9	400.7	399.9	397.6	402.2	403.8	405.3	406.1	412.4
62.5°	359.2	356.4	358.1	354.5	358.1	356.4	359.2	362.6	366.1	370.0	373.7
65°	298.6	296.2	293.1	291.5	293.1	296.2	298.6	300.1	308.7	313.4	321.9
67.5°	250.8	245.2	245.1	246.3	245.1	245.2	250.8	250.5	256.8	260.5	266.3
70°	215.9	215.9	215.1	215.1	215.1	215.9	215.9	220.6	223.7	226.8	230.7
72.5°	191.6	191.0	189.6	189.0	189.6	191.0	191.6	193.2	195.0	198.2	202.0
75°	154.3	155.1	153.6	152.8	153.6	155.1	154.3	154.3	157.5	158.2	159.8
77.5°	114.0	110.7	112.4	110.7	112.4	110.7	114.0	117.1	118.2	121.6	121.8
80°	86.5	85.7	88.1	85.7	88.1	85.7	86.5	86.5	88.9	90.4	94.3
82.5°	68.4	67.7	68.8	67.0	68.8	67.7	68.4	67.8	68.9	71.1	70.6
85°	41.3	40.5	39.8	40.5	39.8	40.5	41.3	40.5	39.8	40.5	41.3
87.5°	20.0	19.6	19.8	19.9	19.8	19.6	20.0	19.2	19.6	19.3	19.1
90°	28.5	29.3	30.2	31.1	30.2	29.3	28.5	27.6	26.5	25.0	23.6
92.5°	27.8	28.2	28.6	29.0	28.6	28.2	27.8	27.4	26.5	25.0	23.6
95°	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	26.5	25.0	23.6
97.5°	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	31.2	39.4	47.5
100°	30.6	29.5	28.3	27.2	28.3	29.5	30.6	31.8	53.8	96.7	139.5
102.5°	221.6	202.0	182.4	162.9	182.4	202.0	221.6	241.1	255.0	263.1	271.2
105°	385.4	385.1	384.8	384.5	384.8	385.1	385.4	385.7	385.8	385.8	385.8
107.5°	487.3	486.5	485.6	484.8	485.6	486.5	487.3	488.2	488.6	488.6	488.5
110°	553.3	553.6	553.9	554.2	553.9	553.6	553.3	553.0	553.3	554.2	555.0



TEST NUMBER: P333732

CATALOG NUMBER: S125RDIW-S1270D1340U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	617.5	617.1	616.7	616.3	616.7	617.1	617.5	617.9	618.7	619.8	620.8
115°	714.7	713.0	711.2	709.5	711.2	713.0	714.7	716.4	717.9	719.0	720.2
117.5°	811.2	810.5	809.7	809.0	809.7	810.5	811.2	811.9	813.1	814.6	816.1
120°	874.4	872.9	871.5	870.1	871.5	872.9	874.4	875.8	876.8	877.4	878.0
122.5°	933.1	931.4	929.7	928.1	929.7	931.4	933.1	934.7	935.9	936.4	937.0
125°	1019.0	1018.1	1017.2	1016.4	1017.2	1018.1	1019.0	1019.8	1020.8	1022.0	1023.1
127.5°	1097.1	1095.0	1092.8	1090.7	1092.8	1095.0	1097.1	1099.2	1100.6	1101.2	1101.9
130°	1148.9	1147.4	1146.0	1144.6	1146.0	1147.4	1148.9	1150.3	1151.5	1152.3	1153.2
132.5°	1198.6	1197.2	1195.7	1194.3	1195.7	1197.2	1198.6	1200.0	1200.8	1201.0	1201.2
135°	1267.6	1265.8	1264.1	1262.4	1264.1	1265.8	1267.6	1269.3	1270.4	1271.0	1271.6
137.5°	1335.2	1333.7	1332.2	1330.7	1332.2	1333.7	1335.2	1336.7	1337.4	1337.3	1337.2
140°	1376.3	1374.6	1372.9	1371.1	1372.9	1374.6	1376.3	1378.0	1378.6	1378.0	1377.5
142.5°	1414.6	1412.9	1411.2	1409.5	1411.2	1412.9	1414.6	1416.4	1417.2	1417.1	1416.9
145°	1470.8	1469.1	1467.4	1465.7	1467.4	1469.1	1470.8	1472.6	1473.3	1473.0	1472.7
147.5°	1518.2	1516.1	1514.1	1512.0	1514.1	1516.1	1518.2	1520.3	1521.2	1520.8	1520.5
150°	1548.9	1546.6	1544.3	1542.0	1544.3	1546.6	1548.9	1551.2	1552.1	1551.5	1551.0
152.5°	1576.2	1574.2	1572.1	1570.0	1572.1	1574.2	1576.2	1578.3	1579.0	1578.5	1577.9
155°	1613.7	1611.4	1609.1	1606.8	1609.1	1611.4	1613.7	1616.0	1616.7	1615.8	1615.0
157.5°	1644.5	1642.2	1639.9	1637.6	1639.9	1642.2	1644.5	1646.8	1647.5	1646.6	1645.7
160°	1664.2	1661.9	1659.6	1657.3	1659.6	1661.9	1664.2	1666.5	1667.1	1665.9	1664.8
162.5°	1682.5	1679.9	1677.4	1674.9	1677.4	1679.9	1682.5	1685.0	1685.5	1683.9	1682.2
165°	1705.6	1703.3	1701.0	1698.7	1701.0	1703.3	1705.6	1707.9	1708.2	1706.5	1704.7
167.5°	1723.0	1720.5	1717.9	1715.3	1717.9	1720.5	1723.0	1725.6	1725.9	1723.8	1721.8
170°	1732.4	1729.8	1727.2	1724.6	1727.2	1729.8	1732.4	1735.0	1735.1	1732.8	1730.5
172.5°	1738.6	1736.0	1733.4	1730.8	1733.4	1736.0	1738.6	1741.2	1741.4	1739.4	1737.3
175°	1746.6	1744.0	1741.4	1738.8	1741.4	1744.0	1746.6	1749.2	1749.3	1747.0	1744.7
177.5°	1749.0	1747.2	1745.3	1743.5	1745.3	1747.2	1749.0	1750.9	1751.0	1749.4	1747.8
180°	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6



TEST NUMBER: P333732

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1820.3	1827.2	1830.9	1839.6	1852.1	1858.4	1867.1	1873.3	1882.1	1892.7	1901.4
5°	1702.5	1721.2	1733.6	1753.1	1771.1	1789.0	1811.6	1828.0	1849.8	1874.7	1894.2
7.5°	1593.0	1616.4	1637.1	1662.9	1692.5	1715.6	1745.0	1775.1	1809.2	1844.6	1878.0
10°	1523.2	1546.6	1572.3	1604.2	1633.9	1665.0	1700.1	1735.2	1778.1	1817.8	1863.0
12.5°	1453.9	1479.8	1508.7	1544.4	1580.2	1620.1	1655.8	1695.3	1741.3	1792.9	1841.2
15°	1368.0	1393.0	1424.2	1454.6	1495.9	1539.5	1587.1	1639.3	1690.8	1748.4	1808.5
17.5°	1275.9	1303.3	1337.6	1372.9	1416.4	1467.5	1514.1	1571.3	1629.2	1696.4	1767.0
20°	1216.0	1244.1	1284.6	1323.6	1363.4	1413.3	1468.6	1527.1	1588.6	1659.6	1738.3
22.5°	1168.6	1188.6	1228.5	1268.1	1314.7	1365.9	1420.0	1480.9	1548.1	1621.5	1704.0
25°	1098.3	1121.7	1150.6	1191.9	1240.2	1294.0	1348.6	1413.3	1486.5	1561.4	1649.4
27.5°	1035.8	1055.0	1083.5	1115.9	1164.1	1219.9	1277.9	1345.4	1420.6	1496.8	1589.4
30°	991.5	1012.6	1039.9	1074.2	1112.4	1173.2	1232.4	1298.7	1375.1	1453.8	1548.9
32.5°	952.9	974.5	998.1	1030.5	1071.8	1125.8	1186.9	1251.9	1329.5	1410.8	1503.4
35°	898.8	913.6	935.4	967.4	1007.9	1051.6	1113.9	1182.5	1258.1	1342.3	1435.1
37.5°	836.7	855.9	877.6	905.3	940.9	988.1	1046.1	1115.5	1185.6	1266.2	1350.9
40°	800.6	818.5	842.7	862.9	900.3	943.2	996.2	1068.7	1138.9	1214.5	1291.7
42.5°	763.8	781.1	801.5	826.8	860.4	902.1	951.3	1018.8	1094.0	1165.2	1229.9
45°	706.2	724.2	743.7	767.0	798.2	838.8	887.9	949.4	1014.9	1080.4	1129.5
47.5°	651.2	668.0	686.4	710.4	739.1	778.3	822.2	876.6	940.2	995.9	1031.0
50°	611.9	627.5	647.8	671.2	699.2	735.9	778.0	831.7	884.7	935.4	967.4
52.5°	573.3	590.7	611.0	631.2	658.1	694.7	733.7	780.0	830.5	871.8	898.2
55°	515.3	531.6	550.3	571.4	597.9	629.1	670.4	707.0	746.8	781.9	797.4
57.5°	459.3	473.6	491.2	513.1	536.9	565.9	598.7	633.9	662.0	686.8	704.4
60°	422.5	435.0	451.3	470.0	495.8	522.3	551.9	584.6	606.5	627.5	643.9
62.5°	385.1	396.9	412.7	429.5	452.1	476.7	505.1	531.6	552.8	567.0	585.9
65°	329.0	340.6	353.9	371.8	389.8	410.0	435.7	455.2	470.0	485.6	497.3
67.5°	276.7	286.4	299.0	313.1	328.2	347.7	367.6	383.8	394.0	403.3	417.4
70°	242.4	250.2	260.4	271.3	287.6	307.1	322.7	335.2	342.2	351.6	368.7
72.5°	207.5	216.5	226.1	237.0	250.2	266.6	280.3	292.8	297.3	304.8	315.7
75°	163.7	168.4	176.2	184.0	193.3	207.4	220.6	223.7	227.6	233.9	241.6
77.5°	123.8	128.0	131.1	136.3	143.7	155.0	162.0	166.7	167.6	169.9	177.6
80°	98.2	100.6	103.7	107.6	110.7	120.0	123.9	128.6	130.2	132.5	136.4
82.5°	72.0	74.4	76.2	79.5	84.5	88.2	92.1	96.8	97.1	98.8	99.6
85°	42.1	42.9	41.3	42.9	43.7	45.2	49.1	53.0	52.2	51.4	53.8
87.5°	19.4	19.1	18.1	19.6	17.9	18.1	17.7	17.9	18.6	19.4	20.2
90°	22.2	20.7	18.7	16.7	14.7	12.7	10.5	8.2	5.9	3.6	1.3
92.5°	22.2	20.7	18.9	17.1	15.4	13.6	13.5	15.1	16.7	18.3	19.9
95°	22.2	20.7	31.6	42.6	53.5	64.4	70.3	71.2	72.1	72.9	73.8
97.5°	55.6	63.7	85.3	107.0	128.6	150.2	160.3	158.7	157.2	155.6	154.1
100°	182.4	225.3	224.1	223.0	221.8	220.7	219.7	218.8	217.9	217.1	216.2
102.5°	279.3	287.4	286.7	286.1	285.4	284.7	283.8	282.7	281.6	280.5	279.4
105°	385.8	385.8	385.8	385.8	385.8	385.8	385.3	384.1	383.0	381.8	380.7
107.5°	488.4	488.4	487.8	487.2	486.7	486.1	485.8	485.8	485.8	485.8	485.8
110°	555.9	556.7	556.2	555.6	555.0	554.4	554.2	554.2	554.2	554.2	554.2



TEST NUMBER: P333732

CATALOG NUMBER: S125RDIW-S1270D1340U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	621.9	623.0	622.7	622.3	622.0	621.7	621.1	620.4	619.8	619.1	618.4
115°	721.3	722.5	722.2	721.9	721.6	721.3	720.5	719.0	717.6	716.1	714.7
117.5°	817.6	819.1	818.0	816.9	815.8	814.7	814.2	814.2	814.3	814.3	814.4
120°	878.6	879.1	878.3	877.4	876.5	875.7	875.4	875.7	876.0	876.3	876.5
122.5°	937.6	938.2	937.8	937.4	937.0	936.6	935.8	934.7	933.6	932.5	931.4
125°	1024.3	1025.4	1025.4	1025.4	1025.4	1025.4	1024.4	1022.4	1020.4	1018.4	1016.4
127.5°	1102.5	1103.1	1103.3	1103.5	1103.6	1103.8	1103.2	1101.7	1100.3	1098.9	1097.4
130°	1154.1	1154.9	1154.6	1154.3	1154.1	1153.8	1152.9	1151.5	1150.0	1148.6	1147.1
132.5°	1201.4	1201.5	1202.2	1202.8	1203.4	1204.1	1203.5	1201.9	1200.2	1198.5	1196.9
135°	1272.2	1272.7	1273.3	1273.9	1274.5	1275.0	1274.5	1272.7	1271.0	1269.3	1267.6
137.5°	1337.1	1337.0	1337.5	1338.0	1338.5	1339.0	1338.5	1337.0	1335.5	1334.0	1332.6
140°	1376.9	1376.3	1376.6	1376.9	1377.2	1377.5	1377.3	1376.7	1376.2	1375.6	1375.0
142.5°	1416.8	1416.7	1416.3	1415.9	1415.5	1415.1	1414.7	1414.4	1414.0	1413.7	1413.3
145°	1472.4	1472.1	1472.1	1472.1	1472.1	1472.1	1471.8	1471.3	1470.7	1470.1	1469.5
147.5°	1520.1	1519.8	1519.4	1519.1	1518.7	1518.4	1518.3	1518.4	1518.5	1518.6	1518.7
150°	1550.4	1549.8	1549.2	1548.7	1548.1	1547.5	1547.5	1548.1	1548.7	1549.2	1549.8
152.5°	1577.3	1576.7	1576.2	1575.6	1575.0	1574.4	1574.8	1576.1	1577.3	1578.6	1579.8
155°	1614.1	1613.3	1612.7	1612.1	1611.5	1611.0	1611.5	1613.3	1615.0	1616.7	1618.4
157.5°	1644.7	1643.8	1643.8	1643.7	1643.6	1643.6	1644.1	1645.1	1646.1	1647.2	1648.2
160°	1663.6	1662.5	1662.2	1661.9	1661.6	1661.3	1662.0	1663.7	1665.5	1667.2	1668.9
162.5°	1680.6	1679.0	1678.7	1678.5	1678.2	1677.9	1678.6	1680.3	1682.0	1683.8	1685.5
165°	1703.0	1701.3	1701.0	1700.7	1700.4	1700.1	1700.9	1702.6	1704.3	1706.0	1707.8
167.5°	1719.7	1717.6	1717.3	1717.0	1716.7	1716.5	1717.2	1719.0	1720.8	1722.6	1724.3
170°	1728.2	1725.9	1725.6	1725.3	1725.0	1724.7	1725.6	1727.6	1729.6	1731.7	1733.7
172.5°	1735.2	1733.1	1732.6	1732.1	1731.6	1731.1	1731.8	1733.8	1735.9	1737.9	1739.9
175°	1742.4	1740.1	1739.9	1739.6	1739.3	1739.0	1739.7	1741.4	1743.2	1744.9	1746.6
177.5°	1746.2	1744.5	1744.3	1744.1	1743.9	1743.6	1744.2	1745.6	1747.0	1748.3	1749.7
180°	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1908.2	1913.9	1922.0	1931.3	1938.8	1946.9	1951.3	1951.3	1955.0	1963.1	1973.7
5°	1913.7	1934.0	1953.5	1978.4	1997.9	2020.5	2037.6	2054.0	2068.8	2087.5	2107.0
7.5°	1912.1	1945.8	1980.9	2020.2	2063.5	2098.0	2133.4	2161.1	2188.6	2224.4	2252.6
10°	1905.9	1949.6	1997.1	2047.0	2101.6	2149.1	2192.0	2231.0	2268.4	2307.4	2342.4
12.5°	1894.7	1950.2	2008.3	2068.2	2137.1	2191.5	2246.9	2288.3	2332.0	2374.7	2417.9
15°	1877.8	1943.3	2013.5	2096.9	2181.1	2241.9	2296.4	2350.2	2390.8	2439.1	2480.4
17.5°	1843.1	1927.4	2015.7	2106.9	2187.8	2258.4	2315.6	2366.8	2409.9	2463.1	2519.2
20°	1822.5	1913.7	2005.7	2103.1	2180.3	2252.8	2308.1	2361.1	2414.9	2484.3	2552.9
22.5°	1793.8	1891.3	1988.8	2081.3	2162.8	2232.8	2290.1	2354.9	2425.5	2504.3	2587.2
25°	1748.4	1849.0	1945.7	2033.7	2113.3	2185.0	2262.9	2350.2	2436.0	2539.7	2658.9
27.5°	1690.9	1787.9	1874.1	1967.2	2046.2	2137.4	2234.7	2329.3	2453.0	2595.6	2744.5
30°	1647.9	1739.9	1821.7	1909.8	1999.4	2100.0	2209.1	2320.6	2467.9	2635.5	2812.5
32.5°	1598.0	1681.3	1762.5	1847.4	1950.8	2061.3	2177.3	2313.7	2489.8	2680.4	2863.6
35°	1511.5	1586.3	1665.0	1759.4	1869.3	1989.3	2137.4	2303.5	2516.3	2721.3	2885.8
37.5°	1420.7	1479.8	1558.9	1658.3	1778.1	1917.0	2085.0	2286.8	2505.4	2689.3	2759.3
40°	1350.9	1406.2	1489.6	1594.1	1712.6	1864.6	2053.2	2260.6	2480.4	2608.2	2602.8
42.5°	1281.7	1337.6	1417.9	1523.0	1646.5	1816.6	2010.8	2226.3	2411.8	2460.5	2359.0
45°	1175.5	1227.7	1306.5	1412.5	1545.0	1723.5	1927.7	2134.3	2252.8	2174.1	1972.9
47.5°	1067.3	1118.0	1191.1	1294.9	1439.6	1626.4	1819.5	1989.0	2005.7	1836.5	1595.3
50°	996.2	1043.8	1113.1	1223.8	1364.1	1546.6	1732.9	1866.2	1824.8	1618.3	1369.6
52.5°	927.0	972.7	1037.7	1142.1	1285.6	1464.2	1630.6	1735.2	1639.6	1420.0	1196.2
55°	824.7	868.4	933.9	1029.7	1159.9	1323.6	1469.4	1507.6	1367.3	1145.9	965.0
57.5°	727.6	759.6	824.3	909.1	1034.6	1178.9	1283.4	1276.5	1121.7	922.3	792.6
60°	663.4	692.2	753.8	831.7	951.0	1080.4	1153.7	1122.5	965.8	801.3	676.6
62.5°	603.5	630.5	682.1	753.8	856.2	968.8	1022.1	979.1	831.1	686.6	587.4
65°	512.9	532.4	573.7	640.0	720.3	798.2	845.8	782.6	651.7	542.5	467.7
67.5°	428.3	445.1	481.9	529.4	584.8	638.6	657.9	598.7	496.9	423.3	370.6
70°	373.4	389.0	413.9	458.4	495.0	533.2	542.5	489.5	404.6	348.4	315.7
72.5°	321.0	335.3	357.2	388.5	413.9	435.9	440.3	391.0	326.0	287.3	262.1
75°	244.8	257.2	271.3	283.0	299.3	303.2	301.7	263.5	228.4	202.7	188.6
77.5°	179.9	185.1	193.6	198.3	199.1	198.8	190.8	166.7	148.6	138.0	132.2
80°	138.8	142.7	145.0	146.5	147.3	139.5	131.0	116.1	109.9	103.7	96.7
82.5°	100.7	103.4	105.7	106.0	101.8	95.3	87.3	80.0	75.6	72.5	69.8
85°	54.6	55.3	54.6	50.7	45.2	42.9	41.3	39.8	39.0	38.2	38.2
87.5°	20.1	18.6	16.0	17.1	17.5	17.3	17.7	17.5	17.2	17.5	17.8
90°	3.6	5.9	8.2	10.5	12.7	14.7	16.7	18.7	20.7	22.2	23.6
92.5°	18.3	16.7	15.1	13.5	13.6	15.4	17.1	18.9	20.7	22.2	23.6
95°	72.9	72.1	71.2	70.3	64.4	53.5	42.6	31.6	20.7	22.2	23.6
97.5°	155.6	157.2	158.7	160.3	150.2	128.6	107.0	85.3	63.7	55.6	47.5
100°	217.1	217.9	218.8	219.7	220.7	221.8	223.0	224.1	225.3	182.4	139.5
102.5°	280.5	281.6	282.7	283.8	284.7	285.4	286.1	286.7	287.4	279.3	271.2
105°	381.8	383.0	384.1	385.3	385.8	385.8	385.8	385.8	385.8	385.8	385.8
107.5°	485.8	485.8	485.8	485.8	486.1	486.7	487.2	487.8	488.4	488.4	488.5
110°	554.2	554.2	554.2	554.2	554.4	555.0	555.6	556.2	556.7	555.9	555.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	619.1	619.8	620.4	621.1	621.7	622.0	622.3	622.7	623.0	621.9	620.8
115°	716.1	717.6	719.0	720.5	721.3	721.6	721.9	722.2	722.5	721.3	720.2
117.5°	814.3	814.3	814.2	814.2	814.7	815.8	816.9	818.0	819.1	817.6	816.1
120°	876.3	876.0	875.7	875.4	875.7	876.5	877.4	878.3	879.1	878.6	878.0
122.5°	932.5	933.6	934.7	935.8	936.6	937.0	937.4	937.8	938.2	937.6	937.0
125°	1018.4	1020.4	1022.4	1024.4	1025.4	1025.4	1025.4	1025.4	1025.4	1024.3	1023.1
127.5°	1098.9	1100.3	1101.7	1103.2	1103.8	1103.6	1103.5	1103.3	1103.1	1102.5	1101.9
130°	1148.6	1150.0	1151.5	1152.9	1153.8	1154.1	1154.3	1154.6	1154.9	1154.1	1153.2
132.5°	1198.5	1200.2	1201.9	1203.5	1204.1	1203.4	1202.8	1202.2	1201.5	1201.4	1201.2
135°	1269.3	1271.0	1272.7	1274.5	1275.0	1274.5	1273.9	1273.3	1272.7	1272.2	1271.6
137.5°	1334.0	1335.5	1337.0	1338.5	1339.0	1338.5	1338.0	1337.5	1337.0	1337.1	1337.2
140°	1375.6	1376.2	1376.7	1377.3	1377.5	1377.2	1376.9	1376.6	1376.3	1376.9	1377.5
142.5°	1413.7	1414.0	1414.4	1414.7	1415.1	1415.5	1415.9	1416.3	1416.7	1416.8	1416.9
145°	1470.1	1470.7	1471.3	1471.8	1472.1	1472.1	1472.1	1472.1	1472.1	1472.4	1472.7
147.5°	1518.6	1518.5	1518.4	1518.3	1518.4	1518.7	1519.1	1519.4	1519.8	1520.1	1520.5
150°	1549.2	1548.7	1548.1	1547.5	1547.5	1548.1	1548.7	1549.2	1549.8	1550.4	1551.0
152.5°	1578.6	1577.3	1576.1	1574.8	1574.4	1575.0	1575.6	1576.2	1576.7	1577.3	1577.9
155°	1616.7	1615.0	1613.3	1611.5	1611.0	1611.5	1612.1	1612.7	1613.3	1614.1	1615.0
157.5°	1647.2	1646.1	1645.1	1644.1	1643.6	1643.6	1643.7	1643.8	1643.8	1644.7	1645.7
160°	1667.2	1665.5	1663.7	1662.0	1661.3	1661.6	1661.9	1662.2	1662.5	1663.6	1664.8
162.5°	1683.8	1682.0	1680.3	1678.6	1677.9	1678.2	1678.5	1678.7	1679.0	1680.6	1682.2
165°	1706.0	1704.3	1702.6	1700.9	1700.1	1700.4	1700.7	1701.0	1701.3	1703.0	1704.7
167.5°	1722.6	1720.8	1719.0	1717.2	1716.5	1716.7	1717.0	1717.3	1717.6	1719.7	1721.8
170°	1731.7	1729.6	1727.6	1725.6	1724.7	1725.0	1725.3	1725.6	1725.9	1728.2	1730.5
172.5°	1737.9	1735.9	1733.8	1731.8	1731.1	1731.6	1732.1	1732.6	1733.1	1735.2	1737.3
175°	1744.9	1743.2	1741.4	1739.7	1739.0	1739.3	1739.6	1739.9	1740.1	1742.4	1744.7
177.5°	1748.3	1747.0	1745.6	1744.2	1743.6	1743.9	1744.1	1744.3	1744.5	1746.2	1747.8
180°	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1981.8	1981.8	1992.4	1991.8	1998.7	1996.2	1997.4
5°	2130.4	2143.7	2155.4	2163.1	2174.8	2178.0	2176.4
7.5°	2284.4	2313.9	2328.2	2347.9	2351.5	2361.8	2360.7
10°	2379.9	2408.7	2430.5	2447.7	2456.2	2467.2	2467.9
12.5°	2454.7	2479.2	2498.5	2514.4	2524.8	2528.3	2530.3
15°	2513.1	2540.4	2563.0	2585.6	2598.9	2609.0	2614.5
17.5°	2572.1	2614.2	2654.1	2684.8	2703.2	2718.8	2718.6
20°	2617.6	2665.9	2715.8	2750.9	2786.8	2802.3	2804.7
22.5°	2666.2	2740.1	2804.4	2858.8	2905.9	2922.1	2928.2
25°	2767.3	2863.9	2962.9	3039.3	3093.9	3125.8	3130.5
27.5°	2889.3	3020.1	3124.3	3194.8	3240.1	3263.8	3269.0
30°	2975.4	3096.2	3189.8	3242.8	3263.8	3266.9	3255.2
32.5°	3014.1	3104.3	3141.7	3138.6	3097.3	3069.9	3059.4
35°	2966.8	2948.1	2856.9	2747.8	2664.4	2611.4	2597.3
37.5°	2699.9	2538.6	2370.8	2205.9	2118.1	2073.5	1996.8
40°	2436.8	2206.8	2032.2	1893.4	1794.4	1714.9	1696.2
42.5°	2139.9	1902.5	1727.9	1609.1	1530.0	1475.5	1451.8
45°	1719.6	1515.4	1371.2	1280.0	1219.2	1179.4	1161.5
47.5°	1375.4	1217.3	1112.2	1044.7	998.4	963.8	954.1
50°	1186.4	1060.1	971.3	914.4	879.3	852.8	841.9
52.5°	1030.5	928.6	860.3	813.3	780.1	763.6	754.6
55°	850.4	762.4	713.3	675.8	657.1	643.9	637.6
57.5°	695.5	631.9	596.0	570.1	552.8	544.4	541.3
60°	608.8	558.9	526.2	505.9	494.2	483.3	480.2
62.5°	532.1	492.8	467.6	449.8	438.1	433.4	431.5
65°	428.7	403.0	384.3	373.4	364.0	362.5	361.7
67.5°	340.8	325.7	315.9	304.5	301.2	295.7	294.7
70°	291.5	281.4	269.7	265.8	261.9	256.5	257.2
72.5°	247.3	237.1	229.2	224.0	222.6	220.3	222.3
75°	180.8	177.7	174.6	170.7	169.2	169.2	168.4
77.5°	129.1	126.4	123.0	120.7	120.2	116.9	118.2
80°	93.5	89.6	88.1	88.9	86.5	85.7	85.7
82.5°	69.2	67.8	66.3	66.4	65.9	65.2	65.8
85°	38.2	37.4	37.4	36.6	36.6	35.9	35.9
87.5°	18.7	19.6	18.6	18.2	18.3	19.1	19.9
90°	25.0	26.5	27.6	28.5	29.3	30.2	31.1
92.5°	25.0	26.5	27.4	27.8	28.2	28.6	29.0
95°	25.0	26.5	27.2	27.2	27.2	27.2	27.2
97.5°	39.4	31.2	27.2	27.2	27.2	27.2	27.2
100°	96.7	53.8	31.8	30.6	29.5	28.3	27.2
102.5°	263.1	255.0	241.1	221.6	202.0	182.4	162.9
105°	385.8	385.8	385.7	385.4	385.1	384.8	384.5
107.5°	488.6	488.6	488.2	487.3	486.5	485.6	484.8
110°	554.2	553.3	553.0	553.3	553.6	553.9	554.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	619.8	618.7	617.9	617.5	617.1	616.7	616.3
115°	719.0	717.9	716.4	714.7	713.0	711.2	709.5
117.5°	814.6	813.1	811.9	811.2	810.5	809.7	809.0
120°	877.4	876.8	875.8	874.4	872.9	871.5	870.1
122.5°	936.4	935.9	934.7	933.1	931.4	929.7	928.1
125°	1022.0	1020.8	1019.8	1019.0	1018.1	1017.2	1016.4
127.5°	1101.2	1100.6	1099.2	1097.1	1095.0	1092.8	1090.7
130°	1152.3	1151.5	1150.3	1148.9	1147.4	1146.0	1144.6
132.5°	1201.0	1200.8	1200.0	1198.6	1197.2	1195.7	1194.3
135°	1271.0	1270.4	1269.3	1267.6	1265.8	1264.1	1262.4
137.5°	1337.3	1337.4	1336.7	1335.2	1333.7	1332.2	1330.7
140°	1378.0	1378.6	1378.0	1376.3	1374.6	1372.9	1371.1
142.5°	1417.1	1417.2	1416.4	1414.6	1412.9	1411.2	1409.5
145°	1473.0	1473.3	1472.6	1470.8	1469.1	1467.4	1465.7
147.5°	1520.8	1521.2	1520.3	1518.2	1516.1	1514.1	1512.0
150°	1551.5	1552.1	1551.2	1548.9	1546.6	1544.3	1542.0
152.5°	1578.5	1579.0	1578.3	1576.2	1574.2	1572.1	1570.0
155°	1615.8	1616.7	1616.0	1613.7	1611.4	1609.1	1606.8
157.5°	1646.6	1647.5	1646.8	1644.5	1642.2	1639.9	1637.6
160°	1665.9	1667.1	1666.5	1664.2	1661.9	1659.6	1657.3
162.5°	1683.9	1685.5	1685.0	1682.5	1679.9	1677.4	1674.9
165°	1706.5	1708.2	1707.9	1705.6	1703.3	1701.0	1698.7
167.5°	1723.8	1725.9	1725.6	1723.0	1720.5	1717.9	1715.3
170°	1732.8	1735.1	1735.0	1732.4	1729.8	1727.2	1724.6
172.5°	1739.4	1741.4	1741.2	1738.6	1736.0	1733.4	1730.8
175°	1747.0	1749.3	1749.2	1746.6	1744.0	1741.4	1738.8
177.5°	1749.4	1751.0	1750.9	1749.0	1747.2	1745.3	1743.5
180°	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6	1746.6

(END OF REPORT)