

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: P331862

Luminaire Tested: **S122RDIW-S1005D1440U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331862
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIW-S1005D1440U835-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1440 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8813.9 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

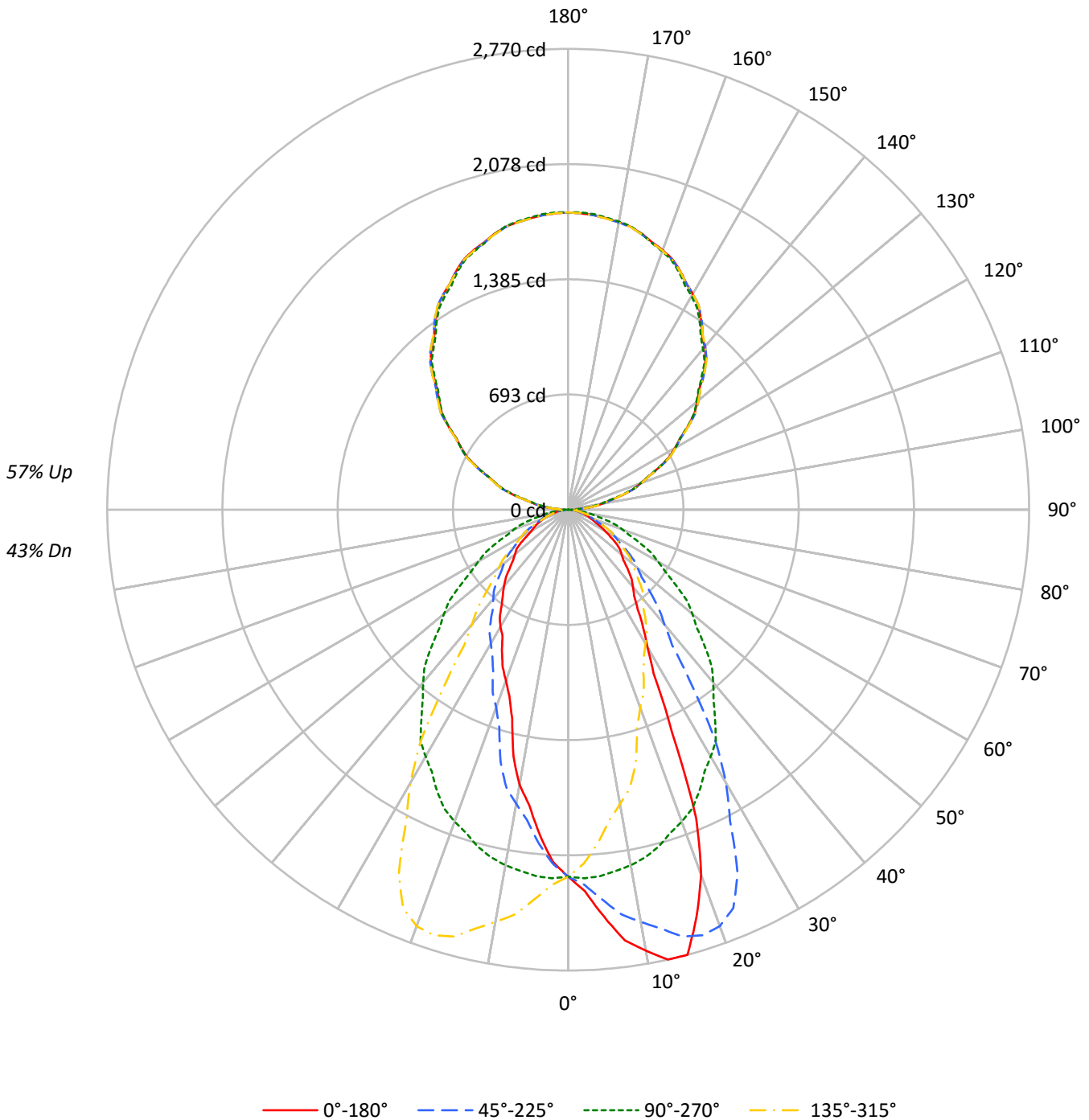
Input Watts (W): 82.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



57% Up

43% Dn



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	43
1	97	93	89	86	89	85	82	79	71	69	67	57	56	55	45	44	43	38
2	89	82	76	71	81	75	70	66	63	59	56	51	49	47	41	39	38	33
3	81	73	66	60	74	67	61	56	56	52	48	46	43	40	37	35	33	29
4	75	65	57	52	68	60	53	48	50	46	42	41	38	35	33	31	29	25
5	69	58	50	45	63	54	47	42	45	40	36	38	34	31	30	28	26	23
6	64	52	45	39	58	49	42	37	41	36	32	34	31	28	28	25	23	20
7	59	48	40	35	54	44	37	33	38	32	29	31	28	25	26	23	21	18
8	55	43	36	31	51	40	34	29	34	29	26	29	25	22	24	21	19	17
9	51	40	33	28	47	37	31	26	32	27	23	27	23	20	22	19	17	15
10	48	37	30	25	44	34	28	24	29	25	21	25	21	19	21	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	35608	35608	35608	35608
5°	39768	35832	31770	35832
10°	44124	35580	27539	35580
15°	46292	35059	21698	35059
20°	40132	34287	18777	34287
25°	26320	33228	16764	33228
30°	17715	31946	15172	31946
35°	14349	30328	13685	30328
40°	12760	28572	12663	28572
45°	11549	26510	11303	26510
50°	10510	24465	10472	24465
55°	9880	22196	9751	22196
60°	8263	20118	8167	20118
65°	6968	18269	7904	18269
70°	6439	16315	7454	16315
75°	6026	14198	6881	14198
80°	5560	11688	6127	11688
85°	5113	9226	5391	9226



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.1	2.4
10°-20°	582.5	6.6
20°-30°	750.7	8.5
30°-40°	713.4	8.1
40°-50°	611.1	6.9
50°-60°	465.4	5.3
60°-70°	294.2	3.3
70°-80°	146.9	1.7
80°-90°	45.4	0.5
90°-100°	113.2	1.3
100°-110°	351.6	4.0
110°-120°	601.0	6.8
120°-130°	790.3	9.0
130°-140°	887.0	10.1
140°-150°	869.7	9.9
150°-160°	729.5	8.3
160°-170°	483.8	5.5
170°-180°	169.1	1.9
0°-30°	1542.3	17.5
0°-40°	2255.7	25.6
0°-60°	3332.1	37.8
0°-90°	3818.6	43.3
90°-120°	1065.7	12.1
90°-150°	3612.8	41.0
90°-180°	4995.0	56.7
0°-180°	8813.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2205	2205	2205	2205	2205	
5°	2454	2211	1960	2211	2454	242
15°	2769	2097	1298	2097	2769	747
25°	1477	1865	941	1865	1477	701
35°	728	1539	694	1539	728	466
45°	506	1161	495	1161	506	391
55°	351	788	346	788	351	308
65°	182	478	207	478	182	186
75°	97	228	110	228	97	102
85°	28	50	29	50	28	31
90°	51	2	51	2	51	24
95°	94	78	94	78	94	104
105°	335	324	335	324	335	352
115°	603	603	603	603	603	596
125°	880	877	880	877	880	785
135°	1149	1135	1149	1135	1149	884
145°	1393	1378	1393	1378	1393	870
155°	1588	1575	1588	1575	1588	731
165°	1716	1714	1716	1714	1716	484
175°	1777	1783	1777	1783	1777	169
180°	1786	1786	1786	1786	1786	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2294.9	2296.8	2298.6	2294.3	2294.3	2290.6	2282.7	2276.5	2259.4	2256.9	2256.9
5°	2453.7	2452.2	2455.2	2445.3	2431.5	2428.4	2413.9	2394.7	2374.8	2352.6	2348.0
7.5°	2611.6	2609.3	2603.1	2601.5	2590.9	2567.7	2544.3	2519.3	2486.2	2453.9	2437.6
10°	2691.3	2716.6	2701.2	2674.4	2679.8	2643.8	2624.6	2591.7	2564.1	2515.8	2505.1
12.5°	2769.7	2779.7	2774.8	2759.6	2752.7	2727.7	2701.8	2673.2	2622.3	2578.9	2541.2
15°	2769.4	2784.0	2787.8	2783.2	2787.1	2785.5	2771.7	2748.0	2703.5	2656.0	2614.6
17.5°	2565.0	2575.1	2600.2	2617.2	2638.7	2684.1	2706.4	2715.2	2708.6	2681.5	2652.3
20°	2335.7	2318.8	2389.3	2425.4	2456.0	2532.6	2598.5	2623.8	2664.4	2663.7	2656.0
22.5°	2010.8	2014.8	2081.6	2124.4	2213.9	2290.5	2365.6	2460.8	2539.4	2591.3	2621.7
25°	1477.4	1506.6	1573.2	1631.5	1731.1	1873.6	2003.1	2153.3	2295.1	2407.0	2513.5
27.5°	1109.6	1111.8	1164.6	1218.4	1277.6	1394.4	1557.4	1736.8	1938.9	2105.7	2297.5
30°	950.2	945.6	967.8	1000.8	1051.4	1141.8	1264.4	1440.7	1642.2	1893.5	2117.3
32.5°	837.4	837.7	854.4	878.8	920.8	981.8	1065.8	1208.9	1399.4	1646.5	1908.9
35°	728.0	727.2	739.5	757.1	774.7	813.8	871.3	946.4	1077.4	1308.1	1576.3
37.5°	649.5	652.9	658.9	669.9	689.4	711.1	745.6	796.0	889.4	1025.8	1251.2
40°	605.4	606.9	615.3	624.5	636.0	652.9	681.2	721.9	790.1	898.9	1063.6
42.5°	564.9	566.5	572.4	581.0	590.1	606.9	630.4	665.5	720.8	805.7	941.6
45°	505.8	505.8	511.1	515.0	524.9	540.2	559.4	588.5	626.8	689.7	780.1
47.5°	450.3	450.4	454.0	460.6	466.8	478.8	497.6	521.4	549.3	597.9	675.1
50°	418.4	419.2	421.5	426.8	430.7	441.4	456.0	476.6	505.8	543.3	607.7
52.5°	392.7	392.2	395.1	397.4	400.0	407.7	418.6	436.8	462.8	495.5	548.8
55°	351.0	347.9	352.5	356.3	358.6	361.7	367.8	379.3	401.5	429.1	469.0
57.5°	298.9	297.6	300.9	304.4	311.6	319.9	325.1	332.4	343.9	363.7	403.2
60°	255.9	255.9	262.8	265.1	273.6	284.3	295.0	301.2	312.7	325.7	354.8
62.5°	217.9	218.6	221.8	224.1	228.8	242.0	257.0	270.5	281.4	293.8	313.1
65°	182.4	183.9	183.9	185.4	188.5	191.6	197.7	208.4	227.6	245.2	259.8
67.5°	154.8	155.3	155.7	157.2	158.0	161.4	163.8	168.6	173.0	189.7	207.8
70°	136.4	138.7	137.9	139.5	140.2	141.8	144.8	147.1	154.0	157.9	168.6
72.5°	119.2	120.9	120.8	121.7	123.7	124.0	126.4	128.7	133.2	136.4	142.2
75°	96.6	95.8	96.6	98.1	98.9	99.6	99.6	102.7	105.0	108.0	111.9
77.5°	74.5	75.3	75.1	75.3	75.4	76.8	76.6	78.0	80.3	81.8	83.7
80°	59.8	60.5	59.8	60.5	61.3	62.1	61.3	62.1	64.4	65.9	65.9
82.5°	46.3	46.4	46.9	47.1	47.2	47.4	48.4	48.6	50.3	50.0	50.6
85°	27.6	26.8	26.8	26.8	27.6	28.4	27.6	27.6	28.4	28.4	28.4
87.5°	20.1	20.6	20.5	20.5	20.4	20.4	20.6	21.3	20.8	21.6	19.5
90°	51.3	50.9	50.6	50.3	49.9	50.1	50.8	51.4	52.1	52.8	45.4
92.5°	48.8	48.8	48.7	48.6	48.6	48.5	48.3	48.2	48.1	47.9	46.2
95°	93.5	94.1	94.8	95.5	96.1	96.5	96.5	96.5	96.5	96.5	95.8
97.5°	161.9	162.0	162.0	162.1	162.2	162.2	162.2	162.2	162.2	162.2	160.9
100°	206.5	206.9	207.2	207.5	207.9	208.0	208.0	208.0	208.0	208.0	207.0
102.5°	257.2	257.5	257.9	258.2	258.5	258.6	258.3	258.0	257.8	257.5	256.2
105°	334.7	334.7	334.7	334.7	334.7	334.3	333.7	333.0	332.3	331.7	331.0
107.5°	407.6	409.2	410.7	412.3	413.8	414.4	414.2	413.9	413.6	413.4	413.4
110°	464.3	465.3	466.3	467.3	468.3	468.9	468.9	468.9	468.9	468.9	468.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	518.6	519.3	520.1	520.8	521.5	522.3	523.1	523.9	524.7	525.5	525.8
115°	603.0	604.0	605.0	606.0	607.0	607.7	608.0	608.4	608.7	609.1	609.7
117.5°	683.5	684.5	685.5	686.5	687.5	688.5	689.3	690.1	690.9	691.7	693.5
120°	740.2	741.2	742.2	743.2	744.2	744.7	744.7	744.7	744.7	744.7	747.4
122.5°	795.7	796.4	797.2	797.9	798.6	799.4	800.2	801.0	801.8	802.6	804.5
125°	880.4	880.8	881.1	881.4	881.8	882.4	883.4	884.4	885.4	886.4	887.5
127.5°	957.6	958.7	959.7	960.8	961.9	963.0	964.2	965.4	966.6	967.9	969.1
130°	1013.1	1014.4	1015.8	1017.1	1018.4	1019.4	1020.1	1020.8	1021.5	1022.1	1022.8
132.5°	1066.1	1067.2	1068.3	1069.4	1070.4	1071.7	1073.2	1074.7	1076.1	1077.6	1077.5
135°	1148.8	1149.8	1150.8	1151.8	1152.8	1153.5	1153.8	1154.1	1154.5	1154.8	1154.1
137.5°	1223.5	1224.9	1226.2	1227.6	1228.9	1229.7	1230.0	1230.2	1230.5	1230.8	1229.9
140°	1275.4	1276.7	1278.1	1279.4	1280.8	1281.4	1281.4	1281.4	1281.4	1281.4	1279.8
142.5°	1322.4	1323.8	1325.1	1326.5	1327.8	1328.3	1328.1	1327.8	1327.5	1327.3	1326.1
145°	1393.0	1394.3	1395.7	1397.0	1398.3	1398.8	1398.5	1398.2	1397.8	1397.5	1395.5
147.5°	1456.0	1457.3	1458.5	1459.8	1461.1	1461.4	1460.6	1459.9	1459.2	1458.4	1457.1
150°	1497.0	1498.0	1499.0	1500.0	1501.0	1501.0	1500.0	1499.0	1498.0	1497.0	1495.7
152.5°	1535.6	1536.9	1538.1	1539.4	1540.7	1540.7	1539.4	1538.1	1536.9	1535.6	1534.0
155°	1587.5	1588.5	1589.5	1590.5	1591.5	1591.1	1589.5	1587.8	1586.1	1584.4	1583.4
157.5°	1632.1	1633.7	1635.3	1636.9	1638.5	1638.2	1635.9	1633.6	1631.3	1629.1	1628.5
160°	1659.8	1661.2	1662.5	1663.8	1665.2	1664.8	1662.8	1660.8	1658.8	1656.8	1656.5
162.5°	1683.9	1685.6	1687.2	1688.8	1690.4	1690.0	1687.8	1685.5	1683.2	1680.9	1680.6
165°	1715.6	1717.3	1719.0	1720.6	1722.3	1722.0	1719.6	1717.3	1714.9	1712.6	1712.6
167.5°	1741.5	1743.3	1745.0	1746.8	1748.5	1748.2	1745.9	1743.5	1741.2	1738.8	1738.9
170°	1754.8	1756.8	1758.8	1760.8	1762.8	1762.7	1760.3	1758.0	1755.6	1753.3	1753.6
172.5°	1765.7	1767.7	1769.7	1771.7	1773.7	1773.5	1771.2	1768.8	1766.5	1764.1	1764.5
175°	1777.4	1779.4	1781.4	1783.4	1785.5	1785.3	1782.9	1780.6	1778.3	1775.9	1776.6
177.5°	1782.8	1784.4	1786.1	1787.7	1789.3	1789.3	1787.7	1786.1	1784.4	1782.8	1783.4
180°	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2258.2	2253.2	2249.0	2237.9	2232.4	2220.1	2218.3	2217.7	2201.8	2186.4	2182.1
5°	2335.7	2323.4	2305.1	2283.6	2261.4	2238.4	2223.1	2210.8	2180.1	2151.0	2134.2
7.5°	2413.9	2387.5	2355.8	2315.2	2281.3	2243.3	2215.1	2189.8	2146.3	2104.6	2076.5
10°	2472.1	2429.2	2387.0	2331.1	2287.4	2244.5	2204.7	2170.2	2121.1	2066.0	2026.9
12.5°	2508.3	2461.1	2403.0	2348.3	2291.7	2237.2	2183.8	2139.5	2081.9	2024.9	1978.5
15°	2557.2	2506.6	2436.1	2357.9	2285.1	2213.9	2152.6	2097.4	2022.3	1954.1	1897.4
17.5°	2597.2	2527.6	2451.9	2361.5	2277.2	2186.6	2107.7	2037.2	1953.6	1871.3	1804.5
20°	2610.0	2541.1	2453.7	2363.3	2263.7	2157.2	2072.1	1995.5	1905.8	1816.1	1739.5
22.5°	2602.1	2548.4	2451.3	2343.1	2241.0	2129.6	2033.5	1944.6	1845.1	1753.6	1664.7
25°	2548.0	2529.6	2437.6	2319.6	2203.1	2073.6	1962.5	1865.2	1751.8	1653.7	1557.1
27.5°	2421.8	2461.5	2404.5	2278.8	2149.3	2010.5	1885.6	1774.8	1657.1	1546.7	1450.5
30°	2300.5	2391.6	2367.1	2250.6	2105.8	1969.4	1829.2	1713.5	1587.8	1474.4	1379.4
32.5°	2134.3	2285.0	2308.9	2211.4	2061.7	1911.8	1764.8	1649.7	1518.5	1399.0	1306.4
35°	1869.8	2095.1	2198.5	2136.5	1986.3	1824.6	1672.8	1538.7	1406.9	1288.9	1197.0
37.5°	1554.2	1861.1	2033.5	2037.9	1900.0	1731.9	1566.6	1433.5	1298.6	1182.7	1083.3
40°	1349.5	1682.0	1906.6	1956.4	1839.9	1658.3	1491.2	1355.6	1223.8	1110.4	996.2
42.5°	1165.6	1496.9	1772.9	1859.5	1767.0	1586.6	1418.9	1277.1	1149.0	1041.7	925.1
45°	942.6	1232.2	1536.4	1691.2	1639.9	1472.8	1295.8	1161.0	1040.6	947.9	836.0
47.5°	795.1	999.3	1293.7	1503.0	1502.1	1349.6	1175.5	1046.3	934.7	847.8	757.3
50°	711.1	888.9	1138.0	1375.5	1395.4	1267.5	1101.9	974.0	869.8	778.6	705.8
52.5°	635.7	782.2	1006.2	1233.9	1290.6	1179.8	1019.2	901.0	799.9	716.0	653.7
55°	537.2	650.6	820.7	1033.7	1119.6	1041.4	898.9	788.5	706.5	636.0	582.4
57.5°	454.4	539.5	676.0	847.5	947.5	898.3	780.7	691.1	620.9	557.1	514.8
60°	402.3	472.0	587.8	731.1	841.4	806.9	706.5	623.0	563.2	508.1	468.2
62.5°	353.3	413.2	512.4	628.7	729.8	715.6	633.6	563.5	511.1	460.9	427.1
65°	284.3	328.0	405.4	496.6	577.8	584.7	525.7	478.2	431.4	391.6	361.7
67.5°	226.4	254.9	309.4	386.2	447.1	468.8	432.8	396.5	359.4	328.6	302.7
70°	190.8	213.8	253.6	315.7	371.7	394.6	374.0	345.6	313.4	288.1	265.9
72.5°	154.6	177.0	206.4	252.0	299.9	324.8	317.6	297.2	271.1	250.1	229.1
75°	116.5	123.4	143.3	174.0	211.5	233.0	238.3	227.6	206.9	190.8	178.5
77.5°	86.1	90.3	99.8	115.9	140.4	159.5	167.4	166.1	151.9	142.5	131.0
80°	69.0	71.3	75.9	82.8	101.2	120.3	125.7	125.7	115.7	111.9	100.4
82.5°	52.4	54.1	56.9	60.7	69.3	86.0	92.0	93.2	86.9	81.8	72.8
85°	29.9	29.1	30.7	33.0	34.5	39.1	48.3	49.8	48.3	42.1	39.8
87.5°	18.0	17.2	15.7	13.9	13.7	13.6	15.8	18.1	16.4	15.4	15.0
90°	38.0	30.7	23.3	17.6	13.6	9.5	5.5	1.5	5.5	9.5	13.6
92.5°	44.5	42.7	41.0	38.6	35.7	32.7	29.8	26.8	29.8	32.7	35.7
95°	95.1	94.5	93.8	91.8	88.4	85.1	81.7	78.4	81.7	85.1	88.4
97.5°	159.7	158.4	157.1	155.0	152.1	149.1	146.2	143.2	146.2	149.1	152.1
100°	206.0	205.0	204.0	202.2	199.5	196.8	194.1	191.5	194.1	196.8	199.5
102.5°	254.9	253.7	252.4	250.7	248.5	246.4	244.3	242.1	244.3	246.4	248.5
105°	330.3	329.7	329.0	328.1	327.1	326.1	325.1	324.1	325.1	326.1	327.1
107.5°	413.4	413.4	413.4	412.6	411.2	409.7	408.2	406.7	408.2	409.7	411.2
110°	468.9	468.9	468.9	467.8	465.8	463.8	461.8	459.8	461.8	463.8	465.8



TEST NUMBER: P331862

CATALOG NUMBER: S122RDIW-S1005D1440U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	526.1	526.3	526.6	525.7	523.7	521.7	519.7	517.7	519.7	521.7	523.7
115°	610.4	611.1	611.7	611.1	609.1	607.0	605.0	603.0	605.0	607.0	609.1
117.5°	695.4	697.3	699.2	698.8	696.1	693.4	690.7	688.1	690.7	693.4	696.1
120°	750.1	752.8	755.5	755.5	752.8	750.1	747.4	744.7	747.4	750.1	752.8
122.5°	806.4	808.3	810.1	809.5	806.2	803.0	799.8	796.6	799.8	803.0	806.2
125°	888.5	889.5	890.5	889.5	886.4	883.4	880.4	877.4	880.4	883.4	886.4
127.5°	970.3	971.5	972.7	971.4	967.6	963.7	959.9	956.1	959.9	963.7	967.6
130°	1023.5	1024.1	1024.8	1023.0	1018.6	1014.3	1009.9	1005.5	1009.9	1014.3	1018.6
132.5°	1077.3	1077.2	1077.1	1075.2	1071.7	1068.1	1064.6	1061.0	1064.6	1068.1	1071.7
135°	1153.5	1152.8	1152.1	1149.9	1146.2	1142.6	1138.9	1135.2	1138.9	1142.6	1146.2
137.5°	1229.0	1228.2	1227.3	1225.3	1222.3	1219.3	1216.3	1213.3	1216.3	1219.3	1222.3
140°	1278.1	1276.4	1274.7	1272.4	1269.4	1266.4	1263.3	1260.3	1263.3	1266.4	1269.4
142.5°	1325.0	1323.8	1322.7	1320.6	1317.6	1314.6	1311.6	1308.6	1311.6	1314.6	1317.6
145°	1393.5	1391.5	1389.5	1387.3	1384.9	1382.6	1380.3	1377.9	1380.3	1382.6	1384.9
147.5°	1455.7	1454.4	1453.1	1451.0	1448.2	1445.3	1442.5	1439.7	1442.5	1445.3	1448.2
150°	1494.3	1493.0	1491.6	1490.0	1488.0	1486.0	1483.9	1481.9	1483.9	1486.0	1488.0
152.5°	1532.4	1530.8	1529.2	1527.4	1525.3	1523.3	1521.3	1519.3	1521.3	1523.3	1525.3
155°	1582.4	1581.4	1580.4	1579.4	1578.4	1577.4	1576.4	1575.4	1576.4	1577.4	1578.4
157.5°	1627.9	1627.3	1626.7	1626.0	1625.4	1624.7	1624.0	1623.3	1624.0	1624.7	1625.4
160°	1656.1	1655.8	1655.5	1655.0	1654.3	1653.6	1653.0	1652.3	1653.0	1653.6	1654.3
162.5°	1680.3	1679.9	1679.6	1679.4	1679.2	1679.1	1679.0	1678.8	1679.0	1679.1	1679.2
165°	1712.6	1712.6	1712.6	1712.8	1713.1	1713.4	1713.8	1714.1	1713.8	1713.4	1713.1
167.5°	1739.0	1739.0	1739.1	1739.6	1740.6	1741.6	1742.6	1743.6	1742.6	1741.6	1740.6
170°	1754.0	1754.3	1754.6	1755.3	1756.3	1757.3	1758.3	1759.3	1758.3	1757.3	1756.3
172.5°	1764.8	1765.2	1765.5	1766.2	1767.2	1768.2	1769.2	1770.2	1769.2	1768.2	1767.2
175°	1777.2	1777.9	1778.6	1779.4	1780.4	1781.4	1782.4	1783.4	1782.4	1781.4	1780.4
177.5°	1783.9	1784.4	1785.0	1785.7	1786.5	1787.3	1788.1	1788.9	1788.1	1787.3	1786.5
180°	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5



TEST NUMBER: P331862

CATALOG NUMBER: S122RDIW-S1005D1440U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2174.2	2169.9	2161.9	2149.6	2142.3	2129.4	2120.8	2125.7	2127.0	2125.7	2124.5
5°	2115.8	2099.7	2077.5	2056.0	2036.1	2014.6	2002.4	1997.0	1986.3	1980.1	1977.1
7.5°	2045.1	2017.4	1986.0	1948.6	1916.8	1883.6	1866.6	1858.1	1836.2	1824.3	1813.8
10°	1992.4	1948.7	1917.3	1868.3	1838.4	1794.7	1764.8	1765.6	1735.7	1718.8	1706.6
12.5°	1934.2	1886.2	1833.9	1789.8	1748.3	1713.2	1677.1	1662.6	1630.9	1614.6	1581.5
15°	1837.6	1781.7	1726.5	1666.7	1624.6	1570.2	1518.1	1454.5	1403.1	1358.7	1346.4
17.5°	1732.2	1662.9	1607.6	1537.4	1465.2	1373.7	1313.3	1276.4	1245.4	1222.0	1204.5
20°	1659.8	1589.3	1530.3	1424.6	1327.2	1265.2	1220.7	1192.4	1160.2	1134.9	1121.1
22.5°	1583.8	1510.2	1429.8	1311.8	1235.9	1186.1	1146.5	1113.9	1092.1	1072.4	1059.8
25°	1475.9	1395.4	1262.9	1181.6	1120.3	1068.2	1040.6	1020.7	997.7	970.9	958.7
27.5°	1361.9	1233.9	1138.7	1078.3	1019.8	985.9	961.1	931.4	910.8	898.7	886.0
30°	1276.7	1148.7	1074.4	1008.5	967.1	929.5	900.4	883.6	863.6	842.9	834.5
32.5°	1181.6	1079.4	1008.2	953.3	911.3	879.3	856.3	829.0	814.6	801.9	784.2
35°	1063.6	986.2	921.1	876.7	836.8	810.8	783.9	767.8	741.8	731.1	724.2
37.5°	963.7	896.6	848.0	801.1	769.5	740.7	724.3	698.7	687.4	672.5	658.0
40°	907.3	841.4	794.7	756.3	721.1	699.6	678.9	658.3	641.4	634.5	616.9
42.5°	849.7	796.0	749.3	707.3	683.7	661.0	634.8	619.6	602.2	591.0	580.1
45°	770.1	722.6	682.8	648.3	622.2	598.5	581.6	556.3	546.4	524.2	515.0
47.5°	700.3	656.1	618.1	585.3	559.9	544.4	519.7	499.9	484.0	470.4	458.6
50°	650.6	613.8	577.0	547.9	524.9	502.7	477.4	467.4	442.9	436.0	429.1
52.5°	605.2	570.3	536.6	508.1	485.1	463.5	441.2	428.2	411.7	404.8	399.7
55°	541.8	508.1	475.9	450.6	427.6	405.4	391.6	375.5	367.8	362.5	356.3
57.5°	478.0	447.7	423.0	397.4	374.3	356.6	340.7	331.0	323.1	316.0	308.7
60°	437.6	408.4	386.2	362.5	338.7	324.1	311.9	300.4	291.2	280.5	277.4
62.5°	394.6	369.2	348.8	325.7	305.0	291.7	280.0	269.1	258.1	242.5	238.2
65°	335.6	315.7	294.3	275.1	256.7	243.7	226.8	214.6	210.0	208.4	207.7
67.5°	282.3	263.5	245.1	225.4	208.7	196.6	188.1	186.2	183.0	182.1	179.9
70°	246.8	229.1	210.7	192.3	176.3	174.0	170.9	167.8	164.0	162.5	160.9
72.5°	214.9	196.6	178.2	163.5	156.6	153.7	150.7	147.6	145.0	143.5	142.5
75°	164.8	147.9	135.6	130.3	126.4	124.1	119.5	117.2	115.7	113.4	112.6
77.5°	118.6	109.1	103.5	100.1	96.1	93.6	91.0	88.7	87.1	86.6	85.4
80°	90.4	85.8	82.0	77.4	75.9	72.8	72.0	69.7	70.5	68.2	68.2
82.5°	70.2	64.4	61.2	59.0	57.5	55.0	54.3	53.2	53.3	51.6	51.6
85°	36.0	34.5	33.0	31.4	31.4	29.1	29.9	29.1	29.1	27.6	26.8
87.5°	15.2	15.7	15.9	17.4	18.9	19.7	19.6	18.9	18.7	18.6	18.0
90°	17.6	23.3	30.7	38.0	45.4	52.8	52.1	51.4	50.8	50.1	49.9
92.5°	38.6	41.0	42.7	44.5	46.2	47.9	48.1	48.2	48.3	48.5	48.6
95°	91.8	93.8	94.5	95.1	95.8	96.5	96.5	96.5	96.5	96.5	96.1
97.5°	155.0	157.1	158.4	159.7	160.9	162.2	162.2	162.2	162.2	162.2	162.2
100°	202.2	204.0	205.0	206.0	207.0	208.0	208.0	208.0	208.0	208.0	207.9
102.5°	250.7	252.4	253.7	254.9	256.2	257.5	257.8	258.0	258.3	258.6	258.5
105°	328.1	329.0	329.7	330.3	331.0	331.7	332.3	333.0	333.7	334.3	334.7
107.5°	412.6	413.4	413.4	413.4	413.4	413.4	413.6	413.9	414.2	414.4	413.8
110°	467.8	468.9	468.9	468.9	468.9	468.9	468.9	468.9	468.9	468.9	468.3



TEST NUMBER: P331862

CATALOG NUMBER: S122RDIW-S1005D1440U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	525.7	526.6	526.3	526.1	525.8	525.5	524.7	523.9	523.1	522.3	521.5
115°	611.1	611.7	611.1	610.4	609.7	609.1	608.7	608.4	608.0	607.7	607.0
117.5°	698.8	699.2	697.3	695.4	693.5	691.7	690.9	690.1	689.3	688.5	687.5
120°	755.5	755.5	752.8	750.1	747.4	744.7	744.7	744.7	744.7	744.7	744.2
122.5°	809.5	810.1	808.3	806.4	804.5	802.6	801.8	801.0	800.2	799.4	798.6
125°	889.5	890.5	889.5	888.5	887.5	886.4	885.4	884.4	883.4	882.4	881.8
127.5°	971.4	972.7	971.5	970.3	969.1	967.9	966.6	965.4	964.2	963.0	961.9
130°	1023.0	1024.8	1024.1	1023.5	1022.8	1022.1	1021.5	1020.8	1020.1	1019.4	1018.4
132.5°	1075.2	1077.1	1077.2	1077.3	1077.5	1077.6	1076.1	1074.7	1073.2	1071.7	1070.4
135°	1149.9	1152.1	1152.8	1153.5	1154.1	1154.8	1154.5	1154.1	1153.8	1153.5	1152.8
137.5°	1225.3	1227.3	1228.2	1229.0	1229.9	1230.8	1230.5	1230.2	1230.0	1229.7	1228.9
140°	1272.4	1274.7	1276.4	1278.1	1279.8	1281.4	1281.4	1281.4	1281.4	1281.4	1280.8
142.5°	1320.6	1322.7	1323.8	1325.0	1326.1	1327.3	1327.5	1327.8	1328.1	1328.3	1327.8
145°	1387.3	1389.5	1391.5	1393.5	1395.5	1397.5	1397.8	1398.2	1398.5	1398.8	1398.3
147.5°	1451.0	1453.1	1454.4	1455.7	1457.1	1458.4	1459.2	1459.9	1460.6	1461.4	1461.1
150°	1490.0	1491.6	1493.0	1494.3	1495.7	1497.0	1498.0	1499.0	1500.0	1501.0	1501.0
152.5°	1527.4	1529.2	1530.8	1532.4	1534.0	1535.6	1536.9	1538.1	1539.4	1540.7	1540.7
155°	1579.4	1580.4	1581.4	1582.4	1583.4	1584.4	1586.1	1587.8	1589.5	1591.1	1591.5
157.5°	1626.0	1626.7	1627.3	1627.9	1628.5	1629.1	1631.3	1633.6	1635.9	1638.2	1638.5
160°	1655.0	1655.5	1655.8	1656.1	1656.5	1656.8	1658.8	1660.8	1662.8	1664.8	1665.2
162.5°	1679.4	1679.6	1679.9	1680.3	1680.6	1680.9	1683.2	1685.5	1687.8	1690.0	1690.4
165°	1712.8	1712.6	1712.6	1712.6	1712.6	1712.6	1714.9	1717.3	1719.6	1722.0	1722.3
167.5°	1739.6	1739.1	1739.0	1739.0	1738.9	1738.8	1741.2	1743.5	1745.9	1748.2	1748.5
170°	1755.3	1754.6	1754.3	1754.0	1753.6	1753.3	1755.6	1758.0	1760.3	1762.7	1762.8
172.5°	1766.2	1765.5	1765.2	1764.8	1764.5	1764.1	1766.5	1768.8	1771.2	1773.5	1773.7
175°	1779.4	1778.6	1777.9	1777.2	1776.6	1775.9	1778.3	1780.6	1782.9	1785.3	1785.5
177.5°	1785.7	1785.0	1784.4	1783.9	1783.4	1782.8	1784.4	1786.1	1787.7	1789.3	1789.3
180°	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5



TEST NUMBER: P331862

CATALOG NUMBER: S122RDIW-S1005D1440U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2117.8	2119.0	2117.2	2118.4	2117.2	2119.0	2117.8	2124.5	2125.7	2127.0	2125.7
5°	1973.2	1964.0	1962.5	1960.2	1962.5	1964.0	1973.2	1977.1	1980.1	1986.3	1997.0
7.5°	1800.7	1799.3	1795.5	1790.1	1795.5	1799.3	1800.7	1813.8	1824.3	1836.2	1858.1
10°	1689.7	1685.9	1685.1	1679.7	1685.1	1685.9	1689.7	1706.6	1718.8	1735.7	1765.6
12.5°	1559.7	1535.1	1532.5	1519.1	1532.5	1535.1	1559.7	1581.5	1614.6	1630.9	1662.6
15°	1328.0	1323.4	1308.1	1298.1	1308.1	1323.4	1328.0	1346.4	1358.7	1403.1	1454.5
17.5°	1195.6	1180.6	1175.8	1173.7	1175.8	1180.6	1195.6	1204.5	1222.0	1245.4	1276.4
20°	1110.4	1096.6	1094.3	1092.8	1094.3	1096.6	1110.4	1121.1	1134.9	1160.2	1192.4
22.5°	1051.5	1037.1	1031.1	1026.5	1031.1	1037.1	1051.5	1059.8	1072.4	1092.1	1113.9
25°	951.0	945.6	942.6	941.0	942.6	945.6	951.0	958.7	970.9	997.7	1020.7
27.5°	872.4	860.6	858.3	854.3	858.3	860.6	872.4	886.0	898.7	910.8	931.4
30°	827.6	823.8	818.4	813.8	818.4	823.8	827.6	834.5	842.9	863.6	883.6
32.5°	774.9	771.7	766.9	764.8	766.9	771.7	774.9	784.2	801.9	814.6	829.0
35°	716.5	705.8	701.2	694.3	701.2	705.8	716.5	724.2	731.1	741.8	767.8
37.5°	654.7	649.1	642.6	644.9	642.6	649.1	654.7	658.0	672.5	687.4	698.7
40°	606.9	603.1	601.6	600.8	601.6	603.1	606.9	616.9	634.5	641.4	658.3
42.5°	568.9	558.3	554.3	554.2	554.3	558.3	568.9	580.1	591.0	602.2	619.6
45°	511.1	501.2	494.3	495.0	494.3	501.2	511.1	515.0	524.2	546.4	556.3
47.5°	452.0	451.7	447.4	448.7	447.4	451.7	452.0	458.6	470.4	484.0	499.9
50°	423.8	419.2	416.1	416.9	416.1	419.2	423.8	429.1	436.0	442.9	467.4
52.5°	396.8	392.8	390.4	393.6	390.4	392.8	396.8	399.7	404.8	411.7	428.2
55°	352.5	347.9	347.1	346.4	347.1	347.9	352.5	356.3	362.5	367.8	375.5
57.5°	303.0	299.9	295.3	293.3	295.3	299.9	303.0	308.7	316.0	323.1	331.0
60°	267.4	261.3	253.6	252.9	253.6	261.3	267.4	277.4	280.5	291.2	300.4
62.5°	234.9	233.7	232.2	232.0	232.2	233.7	234.9	238.2	242.5	258.1	269.1
65°	206.1	205.4	206.1	206.9	206.1	205.4	206.1	207.7	208.4	210.0	214.6
67.5°	179.6	178.2	176.9	177.5	176.9	178.2	179.6	179.9	182.1	183.0	186.2
70°	159.4	158.6	157.9	157.9	157.9	158.6	159.4	160.9	162.5	164.0	167.8
72.5°	139.8	139.6	138.9	138.2	138.9	139.6	139.8	142.5	143.5	145.0	147.6
75°	111.9	110.3	110.3	110.3	110.3	110.3	111.9	112.6	113.4	115.7	117.2
77.5°	85.2	84.4	83.7	83.1	83.7	84.4	85.2	85.4	86.6	87.1	88.7
80°	67.4	66.7	65.9	65.9	65.9	66.7	67.4	68.2	68.2	70.5	69.7
82.5°	51.5	50.7	50.6	50.0	50.6	50.7	51.5	51.6	51.6	53.3	53.2
85°	27.6	28.4	27.6	29.1	27.6	28.4	27.6	26.8	27.6	29.1	29.1
87.5°	18.0	17.5	18.2	17.6	18.2	17.5	18.0	18.0	18.6	18.7	18.9
90°	50.3	50.6	50.9	51.3	50.9	50.6	50.3	49.9	50.1	50.8	51.4
92.5°	48.6	48.7	48.8	48.8	48.8	48.7	48.6	48.6	48.5	48.3	48.2
95°	95.5	94.8	94.1	93.5	94.1	94.8	95.5	96.1	96.5	96.5	96.5
97.5°	162.1	162.0	162.0	161.9	162.0	162.0	162.1	162.2	162.2	162.2	162.2
100°	207.5	207.2	206.9	206.5	206.9	207.2	207.5	207.9	208.0	208.0	208.0
102.5°	258.2	257.9	257.5	257.2	257.5	257.9	258.2	258.5	258.6	258.3	258.0
105°	334.7	334.7	334.7	334.7	334.7	334.7	334.7	334.7	334.3	333.7	333.0
107.5°	412.3	410.7	409.2	407.6	409.2	410.7	412.3	413.8	414.4	414.2	413.9
110°	467.3	466.3	465.3	464.3	465.3	466.3	467.3	468.3	468.9	468.9	468.9



TEST NUMBER: P331862

CATALOG NUMBER: S122RDIW-S1005D1440U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	520.8	520.1	519.3	518.6	519.3	520.1	520.8	521.5	522.3	523.1	523.9
115°	606.0	605.0	604.0	603.0	604.0	605.0	606.0	607.0	607.7	608.0	608.4
117.5°	686.5	685.5	684.5	683.5	684.5	685.5	686.5	687.5	688.5	689.3	690.1
120°	743.2	742.2	741.2	740.2	741.2	742.2	743.2	744.2	744.7	744.7	744.7
122.5°	797.9	797.2	796.4	795.7	796.4	797.2	797.9	798.6	799.4	800.2	801.0
125°	881.4	881.1	880.8	880.4	880.8	881.1	881.4	881.8	882.4	883.4	884.4
127.5°	960.8	959.7	958.7	957.6	958.7	959.7	960.8	961.9	963.0	964.2	965.4
130°	1017.1	1015.8	1014.4	1013.1	1014.4	1015.8	1017.1	1018.4	1019.4	1020.1	1020.8
132.5°	1069.4	1068.3	1067.2	1066.1	1067.2	1068.3	1069.4	1070.4	1071.7	1073.2	1074.7
135°	1151.8	1150.8	1149.8	1148.8	1149.8	1150.8	1151.8	1152.8	1153.5	1153.8	1154.1
137.5°	1227.6	1226.2	1224.9	1223.5	1224.9	1226.2	1227.6	1228.9	1229.7	1230.0	1230.2
140°	1279.4	1278.1	1276.7	1275.4	1276.7	1278.1	1279.4	1280.8	1281.4	1281.4	1281.4
142.5°	1326.5	1325.1	1323.8	1322.4	1323.8	1325.1	1326.5	1327.8	1328.3	1328.1	1327.8
145°	1397.0	1395.7	1394.3	1393.0	1394.3	1395.7	1397.0	1398.3	1398.8	1398.5	1398.2
147.5°	1459.8	1458.5	1457.3	1456.0	1457.3	1458.5	1459.8	1461.1	1461.4	1460.6	1459.9
150°	1500.0	1499.0	1498.0	1497.0	1498.0	1499.0	1500.0	1501.0	1501.0	1500.0	1499.0
152.5°	1539.4	1538.1	1536.9	1535.6	1536.9	1538.1	1539.4	1540.7	1540.7	1539.4	1538.1
155°	1590.5	1589.5	1588.5	1587.5	1588.5	1589.5	1590.5	1591.5	1591.1	1589.5	1587.8
157.5°	1636.9	1635.3	1633.7	1632.1	1633.7	1635.3	1636.9	1638.5	1638.2	1635.9	1633.6
160°	1663.8	1662.5	1661.2	1659.8	1661.2	1662.5	1663.8	1665.2	1664.8	1662.8	1660.8
162.5°	1688.8	1687.2	1685.6	1683.9	1685.6	1687.2	1688.8	1690.4	1690.0	1687.8	1685.5
165°	1720.6	1719.0	1717.3	1715.6	1717.3	1719.0	1720.6	1722.3	1722.0	1719.6	1717.3
167.5°	1746.8	1745.0	1743.3	1741.5	1743.3	1745.0	1746.8	1748.5	1748.2	1745.9	1743.5
170°	1760.8	1758.8	1756.8	1754.8	1756.8	1758.8	1760.8	1762.8	1762.7	1760.3	1758.0
172.5°	1771.7	1769.7	1767.7	1765.7	1767.7	1769.7	1771.7	1773.7	1773.5	1771.2	1768.8
175°	1783.4	1781.4	1779.4	1777.4	1779.4	1781.4	1783.4	1785.5	1785.3	1782.9	1780.6
177.5°	1787.7	1786.1	1784.4	1782.8	1784.4	1786.1	1787.7	1789.3	1789.3	1787.7	1786.1
180°	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2120.8	2129.4	2142.3	2149.6	2161.9	2169.9	2174.2	2182.1	2186.4	2201.8	2217.7
5°	2002.4	2014.6	2036.1	2056.0	2077.5	2099.7	2115.8	2134.2	2151.0	2180.1	2210.8
7.5°	1866.6	1883.6	1916.8	1948.6	1986.0	2017.4	2045.1	2076.5	2104.6	2146.3	2189.8
10°	1764.8	1794.7	1838.4	1868.3	1917.3	1948.7	1992.4	2026.9	2066.0	2121.1	2170.2
12.5°	1677.1	1713.2	1748.3	1789.8	1833.9	1886.2	1934.2	1978.5	2024.9	2081.9	2139.5
15°	1518.1	1570.2	1624.6	1666.7	1726.5	1781.7	1837.6	1897.4	1954.1	2022.3	2097.4
17.5°	1313.3	1373.7	1465.2	1537.4	1607.6	1662.9	1732.2	1804.5	1871.3	1953.6	2037.2
20°	1220.7	1265.2	1327.2	1424.6	1530.3	1589.3	1659.8	1739.5	1816.1	1905.8	1995.5
22.5°	1146.5	1186.1	1235.9	1311.8	1429.8	1510.2	1583.8	1664.7	1753.6	1845.1	1944.6
25°	1040.6	1068.2	1120.3	1181.6	1262.9	1395.4	1475.9	1557.1	1653.7	1751.8	1865.2
27.5°	961.1	985.9	1019.8	1078.3	1138.7	1233.9	1361.9	1450.5	1546.7	1657.1	1774.8
30°	900.4	929.5	967.1	1008.5	1074.4	1148.7	1276.7	1379.4	1474.4	1587.8	1713.5
32.5°	856.3	879.3	911.3	953.3	1008.2	1079.4	1181.6	1306.4	1399.0	1518.5	1649.7
35°	783.9	810.8	836.8	876.7	921.1	986.2	1063.6	1197.0	1288.9	1406.9	1538.7
37.5°	724.3	740.7	769.5	801.1	848.0	896.6	963.7	1083.3	1182.7	1298.6	1433.5
40°	678.9	699.6	721.1	756.3	794.7	841.4	907.3	996.2	1110.4	1223.8	1355.6
42.5°	634.8	661.0	683.7	707.3	749.3	796.0	849.7	925.1	1041.7	1149.0	1277.1
45°	581.6	598.5	622.2	648.3	682.8	722.6	770.1	836.0	947.9	1040.6	1161.0
47.5°	519.7	544.4	559.9	585.3	618.1	656.1	700.3	757.3	847.8	934.7	1046.3
50°	477.4	502.7	524.9	547.9	577.0	613.8	650.6	705.8	778.6	869.8	974.0
52.5°	441.2	463.5	485.1	508.1	536.6	570.3	605.2	653.7	716.0	799.9	901.0
55°	391.6	405.4	427.6	450.6	475.9	508.1	541.8	582.4	636.0	706.5	788.5
57.5°	340.7	356.6	374.3	397.4	423.0	447.7	478.0	514.8	557.1	620.9	691.1
60°	311.9	324.1	338.7	362.5	386.2	408.4	437.6	468.2	508.1	563.2	623.0
62.5°	280.0	291.7	305.0	325.7	348.8	369.2	394.6	427.1	460.9	511.1	563.5
65°	226.8	243.7	256.7	275.1	294.3	315.7	335.6	361.7	391.6	431.4	478.2
67.5°	188.1	196.6	208.7	225.4	245.1	263.5	282.3	302.7	328.6	359.4	396.5
70°	170.9	174.0	176.3	192.3	210.7	229.1	246.8	265.9	288.1	313.4	345.6
72.5°	150.7	153.7	156.6	163.5	178.2	196.6	214.9	229.1	250.1	271.1	297.2
75°	119.5	124.1	126.4	130.3	135.6	147.9	164.8	178.5	190.8	206.9	227.6
77.5°	91.0	93.6	96.1	100.1	103.5	109.1	118.6	131.0	142.5	151.9	166.1
80°	72.0	72.8	75.9	77.4	82.0	85.8	90.4	100.4	111.9	115.7	125.7
82.5°	54.3	55.0	57.5	59.0	61.2	64.4	70.2	72.8	81.8	86.9	93.2
85°	29.9	29.1	31.4	31.4	33.0	34.5	36.0	39.8	42.1	48.3	49.8
87.5°	19.6	19.7	18.9	17.4	15.9	15.7	15.2	15.0	15.4	16.4	18.1
90°	52.1	52.8	45.4	38.0	30.7	23.3	17.6	13.6	9.5	5.5	1.5
92.5°	48.1	47.9	46.2	44.5	42.7	41.0	38.6	35.7	32.7	29.8	26.8
95°	96.5	96.5	95.8	95.1	94.5	93.8	91.8	88.4	85.1	81.7	78.4
97.5°	162.2	162.2	160.9	159.7	158.4	157.1	155.0	152.1	149.1	146.2	143.2
100°	208.0	208.0	207.0	206.0	205.0	204.0	202.2	199.5	196.8	194.1	191.5
102.5°	257.8	257.5	256.2	254.9	253.7	252.4	250.7	248.5	246.4	244.3	242.1
105°	332.3	331.7	331.0	330.3	329.7	329.0	328.1	327.1	326.1	325.1	324.1
107.5°	413.6	413.4	413.4	413.4	413.4	413.4	412.6	411.2	409.7	408.2	406.7
110°	468.9	468.9	468.9	468.9	468.9	468.9	467.8	465.8	463.8	461.8	459.8



TEST NUMBER: P331862

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	524.7	525.5	525.8	526.1	526.3	526.6	525.7	523.7	521.7	519.7	517.7
115°	608.7	609.1	609.7	610.4	611.1	611.7	611.1	609.1	607.0	605.0	603.0
117.5°	690.9	691.7	693.5	695.4	697.3	699.2	698.8	696.1	693.4	690.7	688.1
120°	744.7	744.7	747.4	750.1	752.8	755.5	755.5	752.8	750.1	747.4	744.7
122.5°	801.8	802.6	804.5	806.4	808.3	810.1	809.5	806.2	803.0	799.8	796.6
125°	885.4	886.4	887.5	888.5	889.5	890.5	889.5	886.4	883.4	880.4	877.4
127.5°	966.6	967.9	969.1	970.3	971.5	972.7	971.4	967.6	963.7	959.9	956.1
130°	1021.5	1022.1	1022.8	1023.5	1024.1	1024.8	1023.0	1018.6	1014.3	1009.9	1005.5
132.5°	1076.1	1077.6	1077.5	1077.3	1077.2	1077.1	1075.2	1071.7	1068.1	1064.6	1061.0
135°	1154.5	1154.8	1154.1	1153.5	1152.8	1152.1	1149.9	1146.2	1142.6	1138.9	1135.2
137.5°	1230.5	1230.8	1229.9	1229.0	1228.2	1227.3	1225.3	1222.3	1219.3	1216.3	1213.3
140°	1281.4	1281.4	1279.8	1278.1	1276.4	1274.7	1272.4	1269.4	1266.4	1263.3	1260.3
142.5°	1327.5	1327.3	1326.1	1325.0	1323.8	1322.7	1320.6	1317.6	1314.6	1311.6	1308.6
145°	1397.8	1397.5	1395.5	1393.5	1391.5	1389.5	1387.3	1384.9	1382.6	1380.3	1377.9
147.5°	1459.2	1458.4	1457.1	1455.7	1454.4	1453.1	1451.0	1448.2	1445.3	1442.5	1439.7
150°	1498.0	1497.0	1495.7	1494.3	1493.0	1491.6	1490.0	1488.0	1486.0	1483.9	1481.9
152.5°	1536.9	1535.6	1534.0	1532.4	1530.8	1529.2	1527.4	1525.3	1523.3	1521.3	1519.3
155°	1586.1	1584.4	1583.4	1582.4	1581.4	1580.4	1579.4	1578.4	1577.4	1576.4	1575.4
157.5°	1631.3	1629.1	1628.5	1627.9	1627.3	1626.7	1626.0	1625.4	1624.7	1624.0	1623.3
160°	1658.8	1656.8	1656.5	1656.1	1655.8	1655.5	1655.0	1654.3	1653.6	1653.0	1652.3
162.5°	1683.2	1680.9	1680.6	1680.3	1679.9	1679.6	1679.4	1679.2	1679.1	1679.0	1678.8
165°	1714.9	1712.6	1712.6	1712.6	1712.6	1712.6	1712.8	1713.1	1713.4	1713.8	1714.1
167.5°	1741.2	1738.8	1738.9	1739.0	1739.0	1739.1	1739.6	1740.6	1741.6	1742.6	1743.6
170°	1755.6	1753.3	1753.6	1754.0	1754.3	1754.6	1755.3	1756.3	1757.3	1758.3	1759.3
172.5°	1766.5	1764.1	1764.5	1764.8	1765.2	1765.5	1766.2	1767.2	1768.2	1769.2	1770.2
175°	1778.3	1775.9	1776.6	1777.2	1777.9	1778.6	1779.4	1780.4	1781.4	1782.4	1783.4
177.5°	1784.4	1782.8	1783.4	1783.9	1784.4	1785.0	1785.7	1786.5	1787.3	1788.1	1788.9
180°	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2218.3	2220.1	2232.4	2237.9	2249.0	2253.2	2258.2	2256.9	2256.9	2259.4	2276.5
5°	2223.1	2238.4	2261.4	2283.6	2305.1	2323.4	2335.7	2348.0	2352.6	2374.8	2394.7
7.5°	2215.1	2243.3	2281.3	2315.2	2355.8	2387.5	2413.9	2437.6	2453.9	2486.2	2519.3
10°	2204.7	2244.5	2287.4	2331.1	2387.0	2429.2	2472.1	2505.1	2515.8	2564.1	2591.7
12.5°	2183.8	2237.2	2291.7	2348.3	2403.0	2461.1	2508.3	2541.2	2578.9	2622.3	2673.2
15°	2152.6	2213.9	2285.1	2357.9	2436.1	2506.6	2557.2	2614.6	2656.0	2703.5	2748.0
17.5°	2107.7	2186.6	2277.2	2361.5	2451.9	2527.6	2597.2	2652.3	2681.5	2708.6	2715.2
20°	2072.1	2157.2	2263.7	2363.3	2453.7	2541.1	2610.0	2656.0	2663.7	2664.4	2623.8
22.5°	2033.5	2129.6	2241.0	2343.1	2451.3	2548.4	2602.1	2621.7	2591.3	2539.4	2460.8
25°	1962.5	2073.6	2203.1	2319.6	2437.6	2529.6	2548.0	2513.5	2407.0	2295.1	2153.3
27.5°	1885.6	2010.5	2149.3	2278.8	2404.5	2461.5	2421.8	2297.5	2105.7	1938.9	1736.8
30°	1829.2	1969.4	2105.8	2250.6	2367.1	2391.6	2300.5	2117.3	1893.5	1642.2	1440.7
32.5°	1764.8	1911.8	2061.7	2211.4	2308.9	2285.0	2134.3	1908.9	1646.5	1399.4	1208.9
35°	1672.8	1824.6	1986.3	2136.5	2198.5	2095.1	1869.8	1576.3	1308.1	1077.4	946.4
37.5°	1566.6	1731.9	1900.0	2037.9	2033.5	1861.1	1554.2	1251.2	1025.8	889.4	796.0
40°	1491.2	1658.3	1839.9	1956.4	1906.6	1682.0	1349.5	1063.6	898.9	790.1	721.9
42.5°	1418.9	1586.6	1767.0	1859.5	1772.9	1496.9	1165.6	941.6	805.7	720.8	665.5
45°	1295.8	1472.8	1639.9	1691.2	1536.4	1232.2	942.6	780.1	689.7	626.8	588.5
47.5°	1175.5	1349.6	1502.1	1503.0	1293.7	999.3	795.1	675.1	597.9	549.3	521.4
50°	1101.9	1267.5	1395.4	1375.5	1138.0	888.9	711.1	607.7	543.3	505.8	476.6
52.5°	1019.2	1179.8	1290.6	1233.9	1006.2	782.2	635.7	548.8	495.5	462.8	436.8
55°	898.9	1041.4	1119.6	1033.7	820.7	650.6	537.2	469.0	429.1	401.5	379.3
57.5°	780.7	898.3	947.5	847.5	676.0	539.5	454.4	403.2	363.7	343.9	332.4
60°	706.5	806.9	841.4	731.1	587.8	472.0	402.3	354.8	325.7	312.7	301.2
62.5°	633.6	715.6	729.8	628.7	512.4	413.2	353.3	313.1	293.8	281.4	270.5
65°	525.7	584.7	577.8	496.6	405.4	328.0	284.3	259.8	245.2	227.6	208.4
67.5°	432.8	468.8	447.1	386.2	309.4	254.9	226.4	207.8	189.7	173.0	168.6
70°	374.0	394.6	371.7	315.7	253.6	213.8	190.8	168.6	157.9	154.0	147.1
72.5°	317.6	324.8	299.9	252.0	206.4	177.0	154.6	142.2	136.4	133.2	128.7
75°	238.3	233.0	211.5	174.0	143.3	123.4	116.5	111.9	108.0	105.0	102.7
77.5°	167.4	159.5	140.4	115.9	99.8	90.3	86.1	83.7	81.8	80.3	78.0
80°	125.7	120.3	101.2	82.8	75.9	71.3	69.0	65.9	65.9	64.4	62.1
82.5°	92.0	86.0	69.3	60.7	56.9	54.1	52.4	50.6	50.0	50.3	48.6
85°	48.3	39.1	34.5	33.0	30.7	29.1	29.9	28.4	28.4	28.4	27.6
87.5°	15.8	13.6	13.7	13.9	15.7	17.2	18.0	19.5	21.6	20.8	21.3
90°	5.5	9.5	13.6	17.6	23.3	30.7	38.0	45.4	52.8	52.1	51.4
92.5°	29.8	32.7	35.7	38.6	41.0	42.7	44.5	46.2	47.9	48.1	48.2
95°	81.7	85.1	88.4	91.8	93.8	94.5	95.1	95.8	96.5	96.5	96.5
97.5°	146.2	149.1	152.1	155.0	157.1	158.4	159.7	160.9	162.2	162.2	162.2
100°	194.1	196.8	199.5	202.2	204.0	205.0	206.0	207.0	208.0	208.0	208.0
102.5°	244.3	246.4	248.5	250.7	252.4	253.7	254.9	256.2	257.5	257.8	258.0
105°	325.1	326.1	327.1	328.1	329.0	329.7	330.3	331.0	331.7	332.3	333.0
107.5°	408.2	409.7	411.2	412.6	413.4	413.4	413.4	413.4	413.4	413.6	413.9
110°	461.8	463.8	465.8	467.8	468.9	468.9	468.9	468.9	468.9	468.9	468.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	519.7	521.7	523.7	525.7	526.6	526.3	526.1	525.8	525.5	524.7	523.9
115°	605.0	607.0	609.1	611.1	611.7	611.1	610.4	609.7	609.1	608.7	608.4
117.5°	690.7	693.4	696.1	698.8	699.2	697.3	695.4	693.5	691.7	690.9	690.1
120°	747.4	750.1	752.8	755.5	755.5	752.8	750.1	747.4	744.7	744.7	744.7
122.5°	799.8	803.0	806.2	809.5	810.1	808.3	806.4	804.5	802.6	801.8	801.0
125°	880.4	883.4	886.4	889.5	890.5	889.5	888.5	887.5	886.4	885.4	884.4
127.5°	959.9	963.7	967.6	971.4	972.7	971.5	970.3	969.1	967.9	966.6	965.4
130°	1009.9	1014.3	1018.6	1023.0	1024.8	1024.1	1023.5	1022.8	1022.1	1021.5	1020.8
132.5°	1064.6	1068.1	1071.7	1075.2	1077.1	1077.2	1077.3	1077.5	1077.6	1076.1	1074.7
135°	1138.9	1142.6	1146.2	1149.9	1152.1	1152.8	1153.5	1154.1	1154.8	1154.5	1154.1
137.5°	1216.3	1219.3	1222.3	1225.3	1227.3	1228.2	1229.0	1229.9	1230.8	1230.5	1230.2
140°	1263.3	1266.4	1269.4	1272.4	1274.7	1276.4	1278.1	1279.8	1281.4	1281.4	1281.4
142.5°	1311.6	1314.6	1317.6	1320.6	1322.7	1323.8	1325.0	1326.1	1327.3	1327.5	1327.8
145°	1380.3	1382.6	1384.9	1387.3	1389.5	1391.5	1393.5	1395.5	1397.5	1397.8	1398.2
147.5°	1442.5	1445.3	1448.2	1451.0	1453.1	1454.4	1455.7	1457.1	1458.4	1459.2	1459.9
150°	1483.9	1486.0	1488.0	1490.0	1491.6	1493.0	1494.3	1495.7	1497.0	1498.0	1499.0
152.5°	1521.3	1523.3	1525.3	1527.4	1529.2	1530.8	1532.4	1534.0	1535.6	1536.9	1538.1
155°	1576.4	1577.4	1578.4	1579.4	1580.4	1581.4	1582.4	1583.4	1584.4	1586.1	1587.8
157.5°	1624.0	1624.7	1625.4	1626.0	1626.7	1627.3	1627.9	1628.5	1629.1	1631.3	1633.6
160°	1653.0	1653.6	1654.3	1655.0	1655.5	1655.8	1656.1	1656.5	1656.8	1658.8	1660.8
162.5°	1679.0	1679.1	1679.2	1679.4	1679.6	1679.9	1680.3	1680.6	1680.9	1683.2	1685.5
165°	1713.8	1713.4	1713.1	1712.8	1712.6	1712.6	1712.6	1712.6	1712.6	1714.9	1717.3
167.5°	1742.6	1741.6	1740.6	1739.6	1739.1	1739.0	1739.0	1738.9	1738.8	1741.2	1743.5
170°	1758.3	1757.3	1756.3	1755.3	1754.6	1754.3	1754.0	1753.6	1753.3	1755.6	1758.0
172.5°	1769.2	1768.2	1767.2	1766.2	1765.5	1765.2	1764.8	1764.5	1764.1	1766.5	1768.8
175°	1782.4	1781.4	1780.4	1779.4	1778.6	1777.9	1777.2	1776.6	1775.9	1778.3	1780.6
177.5°	1788.1	1787.3	1786.5	1785.7	1785.0	1784.4	1783.9	1783.4	1782.8	1784.4	1786.1
180°	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2282.7	2290.6	2294.3	2294.3	2298.6	2296.8	2294.9
5°	2413.9	2428.4	2431.5	2445.3	2455.2	2452.2	2453.7
7.5°	2544.3	2567.7	2590.9	2601.5	2603.1	2609.3	2611.6
10°	2624.6	2643.8	2679.8	2674.4	2701.2	2716.6	2691.3
12.5°	2701.8	2727.7	2752.7	2759.6	2774.8	2779.7	2769.7
15°	2771.7	2785.5	2787.1	2783.2	2787.8	2784.0	2769.4
17.5°	2706.4	2684.1	2638.7	2617.2	2600.2	2575.1	2565.0
20°	2598.5	2532.6	2456.0	2425.4	2389.3	2318.8	2335.7
22.5°	2365.6	2290.5	2213.9	2124.4	2081.6	2014.8	2010.8
25°	2003.1	1873.6	1731.1	1631.5	1573.2	1506.6	1477.4
27.5°	1557.4	1394.4	1277.6	1218.4	1164.6	1111.8	1109.6
30°	1264.4	1141.8	1051.4	1000.8	967.8	945.6	950.2
32.5°	1065.8	981.8	920.8	878.8	854.4	837.7	837.4
35°	871.3	813.8	774.7	757.1	739.5	727.2	728.0
37.5°	745.6	711.1	689.4	669.9	658.9	652.9	649.5
40°	681.2	652.9	636.0	624.5	615.3	606.9	605.4
42.5°	630.4	606.9	590.1	581.0	572.4	566.5	564.9
45°	559.4	540.2	524.9	515.0	511.1	505.8	505.8
47.5°	497.6	478.8	466.8	460.6	454.0	450.4	450.3
50°	456.0	441.4	430.7	426.8	421.5	419.2	418.4
52.5°	418.6	407.7	400.0	397.4	395.1	392.2	392.7
55°	367.8	361.7	358.6	356.3	352.5	347.9	351.0
57.5°	325.1	319.9	311.6	304.4	300.9	297.6	298.9
60°	295.0	284.3	273.6	265.1	262.8	255.9	255.9
62.5°	257.0	242.0	228.8	224.1	221.8	218.6	217.9
65°	197.7	191.6	188.5	185.4	183.9	183.9	182.4
67.5°	163.8	161.4	158.0	157.2	155.7	155.3	154.8
70°	144.8	141.8	140.2	139.5	137.9	138.7	136.4
72.5°	126.4	124.0	123.7	121.7	120.8	120.9	119.2
75°	99.6	99.6	98.9	98.1	96.6	95.8	96.6
77.5°	76.6	76.8	75.4	75.3	75.1	75.3	74.5
80°	61.3	62.1	61.3	60.5	59.8	60.5	59.8
82.5°	48.4	47.4	47.2	47.1	46.9	46.4	46.3
85°	27.6	28.4	27.6	26.8	26.8	26.8	27.6
87.5°	20.6	20.4	20.4	20.5	20.5	20.6	20.1
90°	50.8	50.1	49.9	50.3	50.6	50.9	51.3
92.5°	48.3	48.5	48.6	48.6	48.7	48.8	48.8
95°	96.5	96.5	96.1	95.5	94.8	94.1	93.5
97.5°	162.2	162.2	162.2	162.1	162.0	162.0	161.9
100°	208.0	208.0	207.9	207.5	207.2	206.9	206.5
102.5°	258.3	258.6	258.5	258.2	257.9	257.5	257.2
105°	333.7	334.3	334.7	334.7	334.7	334.7	334.7
107.5°	414.2	414.4	413.8	412.3	410.7	409.2	407.6
110°	468.9	468.9	468.3	467.3	466.3	465.3	464.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	523.1	522.3	521.5	520.8	520.1	519.3	518.6
115°	608.0	607.7	607.0	606.0	605.0	604.0	603.0
117.5°	689.3	688.5	687.5	686.5	685.5	684.5	683.5
120°	744.7	744.7	744.2	743.2	742.2	741.2	740.2
122.5°	800.2	799.4	798.6	797.9	797.2	796.4	795.7
125°	883.4	882.4	881.8	881.4	881.1	880.8	880.4
127.5°	964.2	963.0	961.9	960.8	959.7	958.7	957.6
130°	1020.1	1019.4	1018.4	1017.1	1015.8	1014.4	1013.1
132.5°	1073.2	1071.7	1070.4	1069.4	1068.3	1067.2	1066.1
135°	1153.8	1153.5	1152.8	1151.8	1150.8	1149.8	1148.8
137.5°	1230.0	1229.7	1228.9	1227.6	1226.2	1224.9	1223.5
140°	1281.4	1281.4	1280.8	1279.4	1278.1	1276.7	1275.4
142.5°	1328.1	1328.3	1327.8	1326.5	1325.1	1323.8	1322.4
145°	1398.5	1398.8	1398.3	1397.0	1395.7	1394.3	1393.0
147.5°	1460.6	1461.4	1461.1	1459.8	1458.5	1457.3	1456.0
150°	1500.0	1501.0	1501.0	1500.0	1499.0	1498.0	1497.0
152.5°	1539.4	1540.7	1540.7	1539.4	1538.1	1536.9	1535.6
155°	1589.5	1591.1	1591.5	1590.5	1589.5	1588.5	1587.5
157.5°	1635.9	1638.2	1638.5	1636.9	1635.3	1633.7	1632.1
160°	1662.8	1664.8	1665.2	1663.8	1662.5	1661.2	1659.8
162.5°	1687.8	1690.0	1690.4	1688.8	1687.2	1685.6	1683.9
165°	1719.6	1722.0	1722.3	1720.6	1719.0	1717.3	1715.6
167.5°	1745.9	1748.2	1748.5	1746.8	1745.0	1743.3	1741.5
170°	1760.3	1762.7	1762.8	1760.8	1758.8	1756.8	1754.8
172.5°	1771.2	1773.5	1773.7	1771.7	1769.7	1767.7	1765.7
175°	1782.9	1785.3	1785.5	1783.4	1781.4	1779.4	1777.4
177.5°	1787.7	1789.3	1789.3	1787.7	1786.1	1784.4	1782.8
180°	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5

(END OF REPORT)