

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: P333479

Luminaire Tested: **S125DIW-S1270D1340U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333479
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S1270D1340U835-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9837.3 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

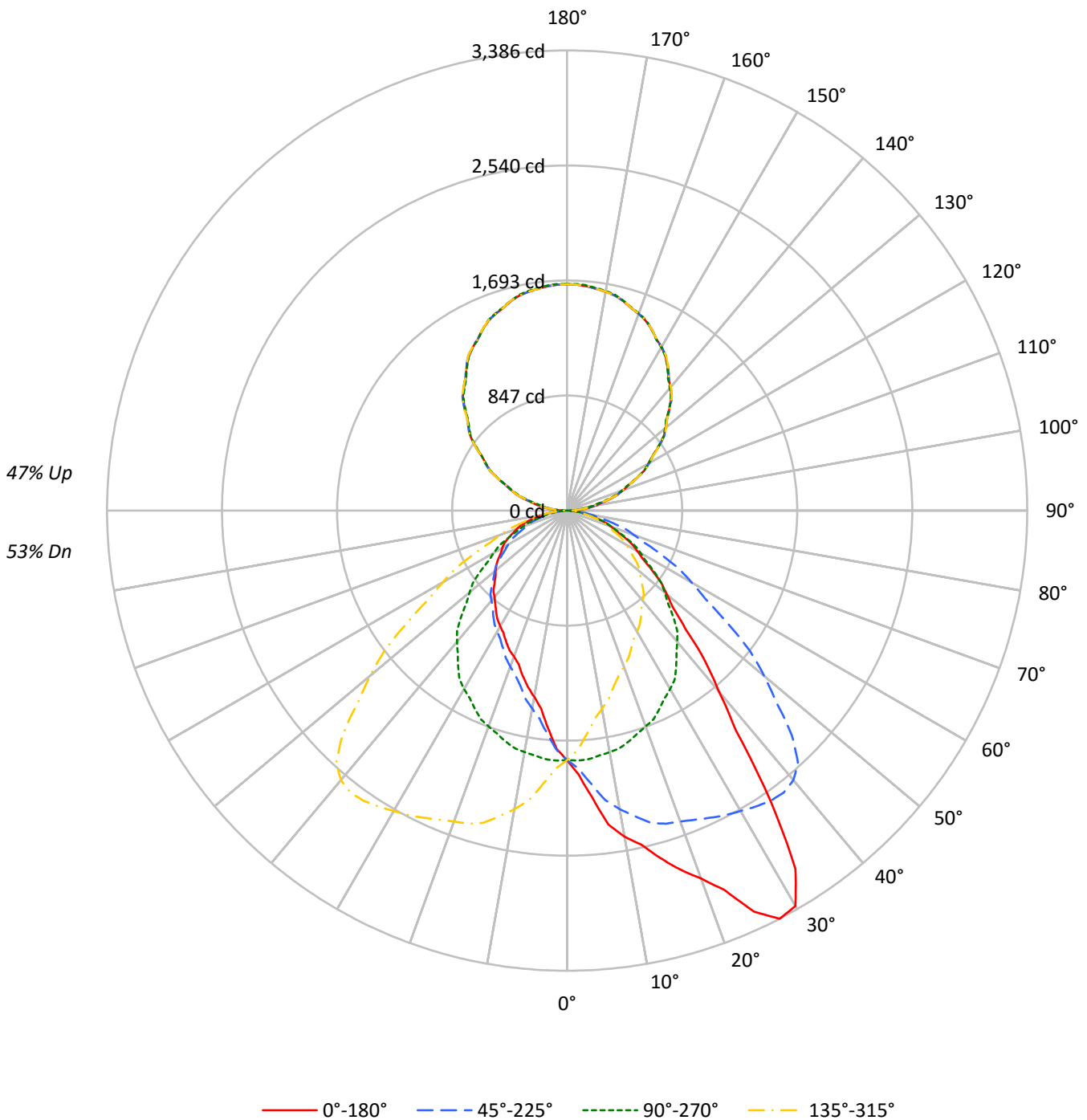
Input Watts (W): 76.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53								
1	99	94	91	87	91	88	84	81	75	72	70	63	61	60	52	51	50	45								
2	90	83	77	72	83	77	72	67	66	62	58	56	53	50	46	44	42	38								
3	82	73	66	60	76	68	61	56	58	53	49	49	46	43	41	39	36	32								
4	75	65	57	51	69	60	53	48	52	46	42	44	40	37	37	34	31	28								
5	69	58	50	44	64	54	47	41	46	41	37	40	35	32	33	30	27	24								
6	64	52	44	38	59	48	41	36	42	36	32	36	31	28	30	27	24	21								
7	59	47	39	33	54	44	37	31	38	32	28	33	28	25	28	24	22	19								
8	55	42	35	29	51	40	33	28	35	29	25	30	25	22	25	22	19	17								
9	51	39	31	26	47	36	30	25	32	26	22	27	23	20	23	20	17	15								
10	48	36	28	23	44	33	27	22	29	24	20	25	21	18	22	18	16	14								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11861	11861	11861	11861
5°	13736	11902	10421	11902
10°	15980	11840	9130	11840
15°	17690	11753	8423	11753
20°	19801	11615	7854	11615
25°	23197	11460	7577	11460
30°	25055	11307	7337	11307
35°	20601	11020	7179	11020
40°	14643	10620	7006	10620
45°	11249	10082	6906	10082
50°	9602	9414	6893	9414
55°	8550	8760	6952	8760
60°	7713	8045	7129	8045
65°	7124	7326	7314	7326
70°	6477	6579	7419	6579
75°	5719	5797	7354	5797
80°	4813	4727	6724	4727
85°	3809	3409	5432	3409



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.8	1.8
10°-20°	526.4	5.4
20°-30°	854.8	8.7
30°-40°	1042.7	10.6
40°-50°	948.5	9.6
50°-60°	755.5	7.7
60°-70°	526.2	5.3
70°-80°	280.6	2.9
80°-90°	74.5	0.8
90°-100°	111.6	1.1
100°-110°	329.7	3.4
110°-120°	558.4	5.7
120°-130°	734.9	7.5
130°-140°	823.5	8.4
140°-150°	807.1	8.2
150°-160°	677.9	6.9
160°-170°	450.6	4.6
170°-180°	157.7	1.6
0°-30°	1558.0	15.8
0°-40°	2600.7	26.4
0°-60°	4304.7	43.8
0°-90°	5186.1	52.7
90°-120°	999.7	10.2
90°-150°	3365.1	34.2
90°-180°	4651.0	47.3
0°-180°	9837.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1837	1837	1837	1837	1837	
5°	2119	1836	1607	1836	2119	214
15°	2646	1758	1260	1758	2646	757
25°	3255	1608	1063	1608	3255	1487
35°	2613	1398	910	1398	2613	1599
45°	1232	1104	756	1104	1232	986
55°	759	778	617	778	759	684
65°	466	479	479	479	466	463
75°	229	232	295	232	229	247
85°	51	46	73	46	51	60
90°	31	1	31	1	31	20
95°	112	84	112	84	112	114
105°	322	296	322	296	322	341
115°	564	559	564	559	564	558
125°	821	816	821	816	821	733
135°	1065	1061	1065	1061	1065	822
145°	1291	1286	1291	1286	1291	806
155°	1471	1471	1471	1471	1471	677
165°	1596	1599	1596	1599	1596	450
175°	1656	1663	1656	1663	1656	157
180°	1667	1667	1667	1667	1667	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1942.6	1940.1	1937.6	1932.6	1936.3	1925.7	1920.7	1912.0	1901.4	1897.7	1893.3
5°	2118.7	2122.6	2126.5	2110.2	2111.7	2100.8	2075.9	2055.6	2039.2	2018.2	2003.4
7.5°	2330.8	2321.6	2320.8	2310.2	2292.0	2277.3	2251.1	2217.7	2185.5	2148.7	2118.3
10°	2436.8	2437.6	2430.6	2418.1	2398.6	2384.6	2350.3	2317.5	2277.8	2231.0	2197.5
12.5°	2516.6	2519.9	2511.0	2494.2	2484.6	2453.2	2426.3	2387.4	2340.1	2302.7	2251.7
15°	2645.7	2637.1	2630.9	2609.8	2593.5	2560.7	2517.9	2477.3	2425.9	2378.3	2330.8
17.5°	2770.1	2777.0	2765.3	2746.1	2695.3	2657.1	2599.6	2544.0	2480.0	2416.2	2359.5
20°	2881.1	2887.4	2869.4	2835.9	2775.1	2736.9	2661.3	2589.6	2515.5	2433.7	2371.3
22.5°	3019.6	3014.6	2990.4	2939.4	2886.7	2816.1	2734.3	2646.9	2554.2	2461.7	2378.8
25°	3255.3	3222.5	3207.7	3144.6	3075.2	2971.5	2859.3	2731.4	2616.1	2493.7	2387.7
27.5°	3385.9	3375.6	3359.1	3315.2	3242.2	3131.3	2999.0	2843.2	2680.5	2526.0	2387.2
30°	3359.7	3361.3	3362.9	3348.8	3302.1	3218.6	3086.9	2919.3	2726.0	2552.2	2391.6
32.5°	3127.8	3156.1	3183.3	3215.4	3228.5	3212.4	3129.9	2978.6	2779.6	2582.1	2389.1
35°	2613.0	2621.5	2709.6	2796.9	2915.4	3007.4	3069.0	3001.9	2834.3	2607.5	2386.1
37.5°	2037.4	2079.5	2140.4	2239.1	2410.1	2563.2	2760.1	2850.7	2796.6	2615.8	2380.7
40°	1736.8	1775.8	1815.5	1916.1	2060.3	2245.8	2469.5	2660.5	2704.9	2589.6	2362.0
42.5°	1504.8	1535.7	1579.8	1655.4	1775.9	1940.2	2154.0	2403.6	2557.1	2513.5	2322.7
45°	1231.6	1251.1	1285.4	1345.5	1432.8	1561.4	1750.0	2022.9	2260.6	2339.3	2229.4
47.5°	1054.2	1054.1	1080.7	1122.2	1185.2	1294.5	1434.0	1647.8	1901.7	2089.6	2080.9
50°	955.7	951.8	972.8	1008.7	1058.6	1131.1	1264.4	1435.1	1679.1	1891.9	1951.1
52.5°	870.9	871.3	884.3	910.8	952.6	1014.5	1114.1	1268.0	1476.4	1694.8	1806.5
55°	759.3	756.1	770.9	788.9	819.3	859.8	931.5	1049.2	1218.4	1433.5	1578.5
57.5°	657.0	665.6	671.5	684.0	709.2	736.3	796.8	883.2	1017.4	1202.0	1355.3
60°	597.1	605.7	610.4	622.8	643.1	666.5	713.3	783.4	896.5	1055.5	1207.5
62.5°	543.5	550.2	551.7	563.0	579.5	602.3	639.1	698.0	787.3	926.4	1075.3
65°	466.2	466.2	469.3	481.0	488.8	509.0	537.1	580.0	651.7	760.0	887.1
67.5°	391.6	395.4	394.6	399.7	406.9	422.7	442.8	478.2	531.3	610.4	712.0
70°	343.0	346.1	345.3	349.2	357.0	367.2	383.5	417.0	455.2	523.1	610.4
72.5°	299.3	300.6	298.6	303.7	308.4	317.3	335.5	353.4	389.1	446.4	518.1
75°	229.2	230.7	232.3	235.4	240.1	244.8	254.1	272.1	295.4	338.3	384.3
77.5°	171.8	168.8	172.6	172.1	174.8	178.4	186.6	196.1	215.3	242.4	278.0
80°	129.4	130.2	130.2	131.0	134.9	137.2	144.2	151.2	166.0	186.3	211.3
82.5°	94.5	96.5	95.3	96.7	99.9	101.6	105.5	111.3	119.9	135.8	153.9
85°	51.4	47.6	49.1	50.7	50.7	51.4	54.6	56.9	61.6	67.8	74.8
87.5°	21.2	22.3	22.7	22.5	23.0	22.8	25.0	24.7	26.3	27.8	29.9
90°	31.1	30.3	29.4	28.5	27.7	26.5	25.1	23.6	22.2	20.8	18.7
92.5°	61.2	60.6	60.0	59.3	58.7	57.4	55.5	53.6	51.7	49.8	47.3
95°	111.6	111.0	110.4	109.8	109.2	108.0	105.9	103.9	101.9	99.9	97.0
97.5°	169.2	168.8	168.5	168.1	167.8	166.6	164.7	162.8	160.9	159.0	155.1
100°	212.7	212.2	211.6	211.0	210.4	208.8	206.2	203.7	201.1	198.5	194.7
102.5°	256.3	255.5	254.7	253.9	253.1	251.3	248.4	245.6	242.8	240.0	238.1
105°	321.7	320.8	320.0	319.1	318.2	316.9	315.2	313.5	311.8	310.0	308.3
107.5°	388.6	388.7	388.7	388.8	388.9	388.5	387.6	386.7	385.9	385.0	383.7
110°	438.4	438.7	439.0	439.3	439.6	439.3	438.4	437.6	436.7	435.8	435.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	487.2	487.7	488.3	488.8	489.3	489.3	488.9	488.5	488.1	487.7	486.6
115°	564.3	564.6	564.8	565.1	565.4	565.7	566.0	566.3	566.6	566.9	566.3
117.5°	639.5	640.7	641.8	643.0	644.1	644.6	644.3	644.1	643.9	643.7	643.1
120°	691.4	692.5	693.7	694.8	696.0	696.6	696.6	696.6	696.6	696.6	696.3
122.5°	743.3	744.2	745.1	746.0	747.0	747.5	747.8	748.0	748.2	748.5	747.7
125°	821.1	821.4	821.7	822.0	822.3	822.7	823.3	823.8	824.4	825.0	824.7
127.5°	895.8	896.4	897.0	897.6	898.1	898.6	898.8	899.1	899.4	899.7	899.4
130°	945.6	946.2	946.8	947.4	947.9	948.4	948.7	948.9	949.2	949.5	948.9
132.5°	992.3	993.1	993.9	994.8	995.6	996.1	996.4	996.7	997.0	997.3	997.4
135°	1065.0	1066.1	1067.3	1068.4	1069.6	1070.2	1070.2	1070.2	1070.2	1070.2	1069.9
137.5°	1136.1	1137.5	1138.9	1140.4	1141.8	1142.4	1142.0	1141.7	1141.3	1141.0	1140.4
140°	1181.7	1183.2	1184.6	1186.0	1187.5	1187.9	1187.3	1186.8	1186.2	1185.6	1184.7
142.5°	1225.3	1226.7	1228.2	1229.6	1231.1	1231.6	1231.3	1230.9	1230.6	1230.2	1229.1
145°	1290.7	1291.5	1292.4	1293.3	1294.1	1294.6	1294.6	1294.6	1294.6	1294.6	1293.7
147.5°	1346.5	1348.4	1350.4	1352.3	1354.3	1354.9	1354.2	1353.5	1352.9	1352.2	1351.5
150°	1388.0	1388.5	1389.1	1389.7	1390.3	1390.6	1390.6	1390.6	1390.6	1390.6	1389.4
152.5°	1422.2	1423.2	1424.3	1425.3	1426.4	1426.5	1425.8	1425.1	1424.5	1423.8	1423.3
155°	1471.0	1472.4	1473.9	1475.3	1476.7	1476.9	1475.7	1474.6	1473.4	1472.3	1472.0
157.5°	1511.7	1513.6	1515.5	1517.4	1519.3	1519.7	1518.5	1517.4	1516.2	1515.1	1514.8
160°	1539.7	1541.2	1542.6	1544.1	1545.5	1545.6	1544.5	1543.3	1542.2	1541.0	1540.7
162.5°	1563.6	1565.3	1566.9	1568.6	1570.3	1570.4	1569.0	1567.7	1566.3	1564.9	1564.8
165°	1595.5	1597.2	1599.0	1600.7	1602.4	1602.7	1601.6	1600.4	1599.3	1598.1	1597.8
167.5°	1620.9	1622.7	1624.5	1626.3	1628.1	1628.1	1626.4	1624.7	1622.9	1621.2	1621.2
170°	1634.4	1636.4	1638.5	1640.5	1642.5	1642.6	1640.9	1639.2	1637.5	1635.7	1635.7
172.5°	1645.8	1647.6	1649.4	1651.2	1653.0	1653.0	1651.3	1649.6	1647.8	1646.1	1646.1
175°	1656.5	1658.5	1660.5	1662.5	1664.5	1664.7	1663.0	1661.2	1659.5	1657.8	1657.8
177.5°	1662.7	1664.3	1665.9	1667.5	1669.2	1669.3	1667.9	1666.5	1665.1	1663.7	1664.0
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1889.6	1885.2	1880.2	1871.5	1860.9	1855.3	1846.5	1840.9	1829.7	1820.3	1810.4
5°	1985.4	1965.2	1946.5	1922.3	1895.8	1878.6	1858.4	1835.8	1812.4	1788.2	1761.7
7.5°	2084.8	2048.9	2009.9	1968.0	1927.0	1889.2	1853.2	1817.8	1784.8	1744.9	1711.1
10°	2151.5	2106.3	2057.9	2001.0	1945.7	1897.4	1848.2	1805.4	1761.7	1714.9	1673.6
12.5°	2218.2	2158.0	2089.7	2027.2	1960.7	1902.3	1844.5	1789.8	1734.9	1683.1	1635.0
15°	2265.3	2212.3	2149.1	2060.3	1985.4	1905.2	1828.8	1757.8	1691.6	1633.9	1573.1
17.5°	2296.3	2228.0	2160.2	2074.9	1976.9	1887.1	1800.5	1719.3	1644.6	1571.5	1512.9
20°	2301.9	2231.8	2160.8	2077.4	1976.9	1874.0	1787.4	1690.0	1609.7	1534.1	1462.4
22.5°	2300.1	2220.5	2143.4	2057.5	1959.4	1864.6	1760.0	1660.7	1573.5	1499.2	1424.3
25°	2282.4	2197.5	2100.8	2014.3	1917.6	1817.1	1711.1	1608.2	1519.3	1434.3	1360.3
27.5°	2267.8	2157.6	2048.1	1947.2	1853.9	1761.7	1660.2	1554.8	1456.3	1370.2	1300.4
30°	2249.7	2128.9	2005.7	1900.5	1804.6	1714.9	1619.1	1516.2	1413.3	1329.1	1254.3
32.5°	2233.5	2092.7	1962.7	1848.1	1746.6	1659.4	1571.0	1473.1	1372.1	1286.7	1211.8
35°	2202.2	2039.2	1890.3	1760.9	1652.6	1562.9	1488.9	1397.7	1304.9	1222.3	1150.6
37.5°	2162.4	1969.1	1809.3	1673.6	1554.8	1460.4	1391.4	1321.4	1232.4	1152.8	1087.9
40°	2131.2	1919.2	1750.0	1611.3	1488.1	1389.9	1326.0	1259.7	1185.7	1111.6	1043.0
42.5°	2091.9	1874.3	1690.2	1540.8	1418.9	1323.2	1256.1	1199.8	1134.5	1065.5	1001.8
45°	2019.7	1792.9	1593.3	1432.8	1309.6	1215.3	1145.9	1103.8	1054.7	989.2	935.4
47.5°	1913.6	1695.1	1488.7	1323.0	1195.9	1108.5	1043.5	1003.1	968.5	919.8	871.0
50°	1819.4	1622.2	1413.3	1248.8	1121.7	1033.6	973.6	937.0	907.4	869.9	828.6
52.5°	1714.0	1530.5	1339.1	1176.5	1050.6	963.8	905.0	872.8	848.1	821.3	780.6
55°	1546.6	1390.7	1212.9	1058.6	942.4	857.5	806.0	778.0	757.7	737.4	712.5
57.5°	1362.1	1240.2	1082.8	941.7	834.7	757.4	709.4	682.1	666.3	655.9	641.2
60°	1232.4	1128.0	992.3	863.7	759.3	690.7	643.9	622.8	609.6	601.0	590.1
62.5°	1112.1	1026.3	900.7	783.3	691.9	627.0	585.3	564.8	552.2	548.0	539.0
65°	934.6	868.4	764.7	667.3	589.3	534.0	498.9	479.4	471.6	466.9	467.7
67.5°	759.9	719.5	636.2	553.1	490.9	444.5	416.4	401.5	397.6	391.3	391.2
70°	653.2	622.8	552.7	480.2	424.8	389.0	364.0	348.4	344.5	341.4	340.7
72.5°	559.1	532.4	471.6	413.5	363.7	332.2	311.7	302.3	295.9	294.0	293.9
75°	420.2	405.4	357.0	311.0	276.7	254.9	240.9	232.3	227.6	226.8	227.6
77.5°	298.7	285.8	255.1	222.5	200.8	184.3	172.4	169.5	164.2	164.3	163.5
80°	224.5	215.9	196.4	170.7	152.8	138.8	132.5	127.1	125.5	123.2	125.5
82.5°	162.8	153.6	140.3	123.9	109.1	100.7	94.5	92.8	91.8	90.7	91.2
85°	80.3	81.1	73.3	60.8	54.6	49.9	46.0	46.0	45.2	44.4	45.2
87.5°	30.8	29.1	26.2	23.9	20.4	18.0	16.9	17.1	15.7	15.5	16.6
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°	44.9	42.4	39.9	37.8	36.2	34.6	33.0	31.4	33.0	34.6	36.2
95°	94.1	91.2	88.4	86.6	86.0	85.5	84.9	84.3	84.9	85.5	86.0
97.5°	151.1	147.1	143.1	141.0	140.8	140.6	140.3	140.1	140.3	140.6	140.8
100°	191.0	187.2	183.5	181.6	181.6	181.6	181.6	181.6	181.6	181.6	181.6
102.5°	236.2	234.3	232.4	230.8	229.7	228.5	227.4	226.2	227.4	228.5	229.7
105°	306.6	304.8	303.1	301.5	300.1	298.6	297.2	295.8	297.2	298.6	300.1
107.5°	382.3	381.0	379.7	378.3	376.9	375.4	374.0	372.5	374.0	375.4	376.9
110°	434.1	433.3	432.4	431.2	429.8	428.4	426.9	425.5	426.9	428.4	429.8



TEST NUMBER: P333479

CATALOG NUMBER: S125DIW-S1270D1340U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	485.5	484.4	483.4	482.4	481.7	480.9	480.2	479.4	480.2	480.9	481.7
115°	565.7	565.1	564.6	563.7	562.5	561.4	560.2	559.1	560.2	561.4	562.5
117.5°	642.6	642.1	641.6	641.1	640.5	640.0	639.5	639.0	639.5	640.0	640.5
120°	696.0	695.7	695.4	694.6	693.1	691.7	690.2	688.8	690.2	691.7	693.1
122.5°	747.0	746.2	745.5	744.8	744.3	743.8	743.3	742.8	743.3	743.8	744.3
125°	824.4	824.1	823.8	822.8	821.1	819.4	817.6	815.9	817.6	819.4	821.1
127.5°	899.0	898.7	898.3	897.7	896.7	895.7	894.7	893.7	894.7	895.7	896.7
130°	948.4	947.8	947.2	946.2	944.8	943.3	941.9	940.4	941.9	943.3	944.8
132.5°	997.5	997.6	997.7	996.6	994.2	991.9	989.5	987.1	989.5	991.9	994.2
135°	1069.6	1069.3	1069.0	1068.0	1066.3	1064.5	1062.8	1061.1	1062.8	1064.5	1066.3
137.5°	1139.7	1139.1	1138.4	1137.3	1135.6	1134.0	1132.3	1130.6	1132.3	1134.0	1135.6
140°	1183.9	1183.0	1182.1	1181.0	1179.6	1178.1	1176.7	1175.2	1176.7	1178.1	1179.6
142.5°	1228.0	1226.9	1225.8	1224.7	1223.5	1222.3	1221.1	1219.9	1221.1	1222.3	1223.5
145°	1292.8	1292.0	1291.1	1290.1	1288.9	1287.8	1286.6	1285.5	1286.6	1287.8	1288.9
147.5°	1350.8	1350.1	1349.4	1348.7	1348.1	1347.5	1346.8	1346.2	1346.8	1347.5	1348.1
150°	1388.3	1387.1	1385.9	1385.5	1385.8	1386.1	1386.4	1386.7	1386.4	1386.1	1385.8
152.5°	1422.8	1422.4	1421.9	1421.5	1421.1	1420.7	1420.3	1419.9	1420.3	1420.7	1421.1
155°	1471.7	1471.4	1471.1	1471.0	1471.0	1471.0	1471.0	1471.0	1471.0	1471.0	1471.0
157.5°	1514.5	1514.2	1513.9	1514.1	1514.7	1515.4	1516.0	1516.6	1516.0	1515.4	1514.7
160°	1540.5	1540.2	1539.9	1540.2	1541.0	1541.9	1542.8	1543.6	1542.8	1541.9	1541.0
162.5°	1564.8	1564.7	1564.7	1565.0	1565.6	1566.2	1566.9	1567.5	1566.9	1566.2	1565.6
165°	1597.5	1597.2	1597.0	1597.1	1597.7	1598.2	1598.8	1599.4	1598.8	1598.2	1597.7
167.5°	1621.2	1621.2	1621.2	1621.8	1622.9	1624.1	1625.2	1626.4	1625.2	1624.1	1622.9
170°	1635.7	1635.7	1635.7	1636.3	1637.5	1638.6	1639.8	1640.9	1639.8	1638.6	1637.5
172.5°	1646.1	1646.1	1646.1	1646.7	1647.8	1649.0	1650.1	1651.3	1650.1	1649.0	1647.8
175°	1657.8	1657.8	1657.8	1658.4	1659.5	1660.7	1661.8	1663.0	1661.8	1660.7	1659.5
177.5°	1664.2	1664.4	1664.7	1665.2	1666.2	1667.1	1668.0	1668.9	1668.0	1667.1	1666.2
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



TEST NUMBER: P333479

CATALOG NUMBER: S125DIW-S1270D1340U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1804.7	1797.9	1792.3	1779.8	1772.9	1763.6	1756.1	1764.2	1755.5	1759.2	1753.6
5°	1748.5	1726.6	1711.1	1688.4	1669.0	1651.0	1637.8	1635.4	1629.2	1626.1	1616.7
7.5°	1680.8	1653.5	1626.7	1597.1	1572.1	1546.7	1530.5	1517.1	1508.2	1496.5	1488.6
10°	1640.9	1604.3	1573.1	1537.2	1506.0	1478.8	1456.9	1446.0	1435.9	1421.1	1415.6
12.5°	1591.6	1553.7	1515.7	1477.4	1447.4	1417.0	1398.3	1381.8	1374.8	1358.1	1356.4
15°	1532.5	1475.6	1438.2	1399.2	1357.9	1333.0	1317.4	1299.5	1291.7	1280.0	1271.4
17.5°	1462.1	1411.2	1364.5	1324.1	1288.7	1267.7	1248.3	1236.0	1222.6	1215.0	1200.9
20°	1410.9	1362.6	1315.8	1273.0	1245.7	1221.5	1205.9	1194.2	1180.2	1176.3	1162.3
22.5°	1367.9	1314.6	1269.7	1233.7	1203.9	1176.6	1159.8	1151.8	1142.2	1130.2	1127.3
25°	1297.9	1242.6	1204.4	1168.5	1142.0	1117.1	1105.4	1095.2	1085.9	1077.3	1074.2
27.5°	1237.4	1188.0	1142.6	1110.2	1087.1	1064.4	1054.1	1041.8	1034.9	1028.0	1019.6
30°	1195.0	1144.3	1104.6	1073.4	1048.5	1028.2	1017.3	1008.7	1002.5	996.2	991.6
32.5°	1151.4	1104.4	1065.9	1035.4	1010.4	995.1	985.5	979.4	972.5	965.0	959.1
35°	1093.7	1042.2	1004.8	978.3	958.8	947.1	936.2	930.7	923.0	923.0	916.7
37.5°	1028.7	984.2	951.2	927.0	909.5	899.1	887.3	883.5	878.5	875.2	873.1
40°	990.0	948.7	917.5	893.3	874.6	866.0	856.7	850.5	847.3	843.4	841.9
42.5°	950.1	910.6	880.7	858.4	842.2	834.9	826.1	821.8	815.5	810.4	809.5
45°	889.4	851.2	824.0	806.0	792.0	783.4	778.0	768.6	765.5	759.3	758.5
47.5°	831.9	795.3	768.5	753.8	741.5	734.5	725.9	716.5	713.0	709.8	709.5
50°	788.9	755.4	730.4	716.4	704.7	694.6	686.0	679.7	677.4	677.4	679.0
52.5°	745.2	716.7	695.5	678.3	667.3	656.5	648.6	644.8	641.2	645.0	647.8
55°	681.3	652.5	636.9	620.5	609.6	597.1	593.2	591.7	589.3	595.6	598.7
57.5°	613.6	593.4	575.1	558.9	549.1	541.9	536.6	535.7	540.1	543.0	553.1
60°	570.6	547.2	530.9	518.4	506.7	502.0	500.5	498.9	502.0	510.6	523.8
62.5°	523.2	504.2	486.6	477.2	468.6	460.9	460.5	461.5	467.7	477.5	490.8
65°	453.7	437.3	425.6	414.7	407.7	403.0	404.6	407.7	414.7	428.0	442.8
67.5°	383.1	371.8	361.4	352.5	345.8	345.8	347.4	352.0	360.3	375.6	389.1
70°	337.5	325.1	316.5	312.6	307.1	304.0	308.7	316.5	323.5	337.5	349.2
72.5°	292.0	281.4	274.7	272.1	269.7	267.2	268.8	277.2	286.7	300.7	314.3
75°	224.5	220.6	215.9	212.8	210.5	212.0	213.6	221.4	229.2	244.0	259.6
77.5°	163.9	159.8	157.0	156.2	155.0	155.7	160.1	165.9	173.5	184.3	196.1
80°	123.9	122.4	120.8	120.0	120.0	120.8	127.1	131.0	138.0	148.1	157.5
82.5°	90.3	89.3	89.0	88.9	89.5	89.6	93.4	98.5	104.3	111.9	120.0
85°	47.6	46.0	48.3	49.1	47.6	49.9	51.4	54.6	56.9	60.8	64.7
87.5°	17.7	19.4	19.2	20.2	20.6	22.2	21.9	24.7	26.2	27.8	27.4
90°	10.5	12.7	14.7	16.7	18.7	20.8	22.2	23.6	25.1	26.5	27.7
92.5°	37.8	39.9	42.4	44.9	47.3	49.8	51.7	53.6	55.5	57.4	58.7
95°	86.6	88.4	91.2	94.1	97.0	99.9	101.9	103.9	105.9	108.0	109.2
97.5°	141.0	143.1	147.1	151.1	155.1	159.0	160.9	162.8	164.7	166.6	167.8
100°	181.6	183.5	187.2	191.0	194.7	198.5	201.1	203.7	206.2	208.8	210.4
102.5°	230.8	232.4	234.3	236.2	238.1	240.0	242.8	245.6	248.4	251.3	253.1
105°	301.5	303.1	304.8	306.6	308.3	310.0	311.8	313.5	315.2	316.9	318.2
107.5°	378.3	379.7	381.0	382.3	383.7	385.0	385.9	386.7	387.6	388.5	388.9
110°	431.2	432.4	433.3	434.1	435.0	435.8	436.7	437.6	438.4	439.3	439.6



TEST NUMBER: P333479

CATALOG NUMBER: S125DIW-S1270D1340U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	482.4	483.4	484.4	485.5	486.6	487.7	488.1	488.5	488.9	489.3	489.3
115°	563.7	564.6	565.1	565.7	566.3	566.9	566.6	566.3	566.0	565.7	565.4
117.5°	641.1	641.6	642.1	642.6	643.1	643.7	643.9	644.1	644.3	644.6	644.1
120°	694.6	695.4	695.7	696.0	696.3	696.6	696.6	696.6	696.6	696.6	696.0
122.5°	744.8	745.5	746.2	747.0	747.7	748.5	748.2	748.0	747.8	747.5	747.0
125°	822.8	823.8	824.1	824.4	824.7	825.0	824.4	823.8	823.3	822.7	822.3
127.5°	897.7	898.3	898.7	899.0	899.4	899.7	899.4	899.1	898.8	898.6	898.1
130°	946.2	947.2	947.8	948.4	948.9	949.5	949.2	948.9	948.7	948.4	947.9
132.5°	996.6	997.7	997.6	997.5	997.4	997.3	997.0	996.7	996.4	996.1	995.6
135°	1068.0	1069.0	1069.3	1069.6	1069.9	1070.2	1070.2	1070.2	1070.2	1070.2	1069.6
137.5°	1137.3	1138.4	1139.1	1139.7	1140.4	1141.0	1141.3	1141.7	1142.0	1142.4	1141.8
140°	1181.0	1182.1	1183.0	1183.9	1184.7	1185.6	1186.2	1186.8	1187.3	1187.9	1187.5
142.5°	1224.7	1225.8	1226.9	1228.0	1229.1	1230.2	1230.6	1230.9	1231.3	1231.6	1231.1
145°	1290.1	1291.1	1292.0	1292.8	1293.7	1294.6	1294.6	1294.6	1294.6	1294.6	1294.1
147.5°	1348.7	1349.4	1350.1	1350.8	1351.5	1352.2	1352.9	1353.5	1354.2	1354.9	1354.3
150°	1385.5	1385.9	1387.1	1388.3	1389.4	1390.6	1390.6	1390.6	1390.6	1390.6	1390.3
152.5°	1421.5	1421.9	1422.4	1422.8	1423.3	1423.8	1424.5	1425.1	1425.8	1426.5	1426.4
155°	1471.0	1471.1	1471.4	1471.7	1472.0	1472.3	1473.4	1474.6	1475.7	1476.9	1476.7
157.5°	1514.1	1513.9	1514.2	1514.5	1514.8	1515.1	1516.2	1517.4	1518.5	1519.7	1519.3
160°	1540.2	1539.9	1540.2	1540.5	1540.7	1541.0	1542.2	1543.3	1544.5	1545.6	1545.5
162.5°	1565.0	1564.7	1564.7	1564.8	1564.8	1564.9	1566.3	1567.7	1569.0	1570.4	1570.3
165°	1597.1	1597.0	1597.2	1597.5	1597.8	1598.1	1599.3	1600.4	1601.6	1602.7	1602.4
167.5°	1621.8	1621.2	1621.2	1621.2	1621.2	1621.2	1622.9	1624.7	1626.4	1628.1	1628.1
170°	1636.3	1635.7	1635.7	1635.7	1635.7	1635.7	1637.5	1639.2	1640.9	1642.6	1642.5
172.5°	1646.7	1646.1	1646.1	1646.1	1646.1	1646.1	1647.8	1649.6	1651.3	1653.0	1653.0
175°	1658.4	1657.8	1657.8	1657.8	1657.8	1657.8	1659.5	1661.2	1663.0	1664.7	1664.5
177.5°	1665.2	1664.7	1664.4	1664.2	1664.0	1663.7	1665.1	1666.5	1667.9	1669.3	1669.2
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



TEST NUMBER: P333479

CATALOG NUMBER: S125DIW-S1270D1340U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1749.9	1754.2	1750.5	1755.5	1750.5	1754.2	1749.9	1753.6	1759.2	1755.5	1764.2
5°	1612.8	1605.8	1610.5	1607.4	1610.5	1605.8	1612.8	1616.7	1626.1	1629.2	1635.4
7.5°	1486.2	1479.5	1471.9	1468.3	1471.9	1479.5	1486.2	1488.6	1496.5	1508.2	1517.1
10°	1407.0	1398.5	1397.7	1392.2	1397.7	1398.5	1407.0	1415.6	1421.1	1435.9	1446.0
12.5°	1349.0	1341.1	1332.2	1329.9	1332.2	1341.1	1349.0	1356.4	1358.1	1374.8	1381.8
15°	1266.7	1260.5	1255.0	1259.7	1255.0	1260.5	1266.7	1271.4	1280.0	1291.7	1299.5
17.5°	1198.3	1193.1	1192.2	1186.4	1192.2	1193.1	1198.3	1200.9	1215.0	1222.6	1236.0
20°	1155.3	1151.4	1152.9	1142.8	1152.9	1151.4	1155.3	1162.3	1176.3	1180.2	1194.2
22.5°	1121.0	1113.3	1112.4	1110.4	1112.4	1113.3	1121.0	1127.3	1130.2	1142.2	1151.8
25°	1067.2	1063.3	1059.4	1063.3	1059.4	1063.3	1067.2	1074.2	1077.3	1085.9	1095.2
27.5°	1020.2	1015.6	1014.5	1014.9	1014.5	1015.6	1020.2	1019.6	1028.0	1034.9	1041.8
30°	991.6	983.8	984.5	983.8	984.5	983.8	991.6	991.6	996.2	1002.5	1008.7
32.5°	960.4	955.1	954.0	952.6	954.0	955.1	960.4	959.1	965.0	972.5	979.4
35°	914.4	914.4	910.5	910.5	910.5	914.4	914.4	916.7	923.0	923.0	930.7
37.5°	871.2	870.4	868.1	868.4	868.1	870.4	871.2	873.1	875.2	878.5	883.5
40°	838.8	838.0	835.6	831.0	835.6	838.0	838.8	841.9	843.4	847.3	850.5
42.5°	807.6	804.9	803.8	802.3	803.8	804.9	807.6	809.5	810.4	815.5	821.8
45°	758.5	758.5	756.9	756.1	756.9	758.5	758.5	758.5	759.3	765.5	768.6
47.5°	710.8	712.2	715.1	714.7	715.1	712.2	710.8	709.5	709.8	713.0	716.5
50°	682.1	682.9	685.2	686.0	685.2	682.9	682.1	679.0	677.4	677.4	679.7
52.5°	650.3	654.8	657.8	657.3	657.8	654.8	650.3	647.8	645.0	641.2	644.8
55°	605.7	611.1	616.6	617.4	616.6	611.1	605.7	598.7	595.6	589.3	591.7
57.5°	561.6	569.2	575.0	576.8	575.0	569.2	561.6	553.1	543.0	540.1	535.7
60°	531.6	541.8	548.8	551.9	548.8	541.8	531.6	523.8	510.6	502.0	498.9
62.5°	502.9	514.3	521.3	522.0	521.3	514.3	502.9	490.8	477.5	467.7	461.5
65°	456.0	467.7	473.9	478.6	473.9	467.7	456.0	442.8	428.0	414.7	407.7
67.5°	405.5	417.2	424.1	427.8	424.1	417.2	405.5	389.1	375.6	360.3	352.0
70°	368.7	380.4	389.8	392.9	389.8	380.4	368.7	349.2	337.5	323.5	316.5
72.5°	332.5	343.0	350.5	354.2	350.5	343.0	332.5	314.3	300.7	286.7	277.2
75°	269.7	283.7	290.8	294.7	290.8	283.7	269.7	259.6	244.0	229.2	221.4
77.5°	208.0	220.8	225.0	227.0	225.0	220.8	208.0	196.1	184.3	173.5	165.9
80°	166.8	174.6	180.1	180.8	180.1	174.6	166.8	157.5	148.1	138.0	131.0
82.5°	128.2	134.7	136.4	138.4	136.4	134.7	128.2	120.0	111.9	104.3	98.5
85°	70.2	73.3	74.1	73.3	74.1	73.3	70.2	64.7	60.8	56.9	54.6
87.5°	28.8	28.3	28.5	29.9	28.5	28.3	28.8	27.4	27.8	26.2	24.7
90°	28.5	29.4	30.3	31.1	30.3	29.4	28.5	27.7	26.5	25.1	23.6
92.5°	59.3	60.0	60.6	61.2	60.6	60.0	59.3	58.7	57.4	55.5	53.6
95°	109.8	110.4	111.0	111.6	111.0	110.4	109.8	109.2	108.0	105.9	103.9
97.5°	168.1	168.5	168.8	169.2	168.8	168.5	168.1	167.8	166.6	164.7	162.8
100°	211.0	211.6	212.2	212.7	212.2	211.6	211.0	210.4	208.8	206.2	203.7
102.5°	253.9	254.7	255.5	256.3	255.5	254.7	253.9	253.1	251.3	248.4	245.6
105°	319.1	320.0	320.8	321.7	320.8	320.0	319.1	318.2	316.9	315.2	313.5
107.5°	388.8	388.7	388.7	388.6	388.7	388.7	388.8	388.9	388.5	387.6	386.7
110°	439.3	439.0	438.7	438.4	438.7	439.0	439.3	439.6	439.3	438.4	437.6



TEST NUMBER: P333479

CATALOG NUMBER: S125DIW-S1270D1340U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	488.8	488.3	487.7	487.2	487.7	488.3	488.8	489.3	489.3	488.9	488.5
115°	565.1	564.8	564.6	564.3	564.6	564.8	565.1	565.4	565.7	566.0	566.3
117.5°	643.0	641.8	640.7	639.5	640.7	641.8	643.0	644.1	644.6	644.3	644.1
120°	694.8	693.7	692.5	691.4	692.5	693.7	694.8	696.0	696.6	696.6	696.6
122.5°	746.0	745.1	744.2	743.3	744.2	745.1	746.0	747.0	747.5	747.8	748.0
125°	822.0	821.7	821.4	821.1	821.4	821.7	822.0	822.3	822.7	823.3	823.8
127.5°	897.6	897.0	896.4	895.8	896.4	897.0	897.6	898.1	898.6	898.8	899.1
130°	947.4	946.8	946.2	945.6	946.2	946.8	947.4	947.9	948.4	948.7	948.9
132.5°	994.8	993.9	993.1	992.3	993.1	993.9	994.8	995.6	996.1	996.4	996.7
135°	1068.4	1067.3	1066.1	1065.0	1066.1	1067.3	1068.4	1069.6	1070.2	1070.2	1070.2
137.5°	1140.4	1138.9	1137.5	1136.1	1137.5	1138.9	1140.4	1141.8	1142.4	1142.0	1141.7
140°	1186.0	1184.6	1183.2	1181.7	1183.2	1184.6	1186.0	1187.5	1187.9	1187.3	1186.8
142.5°	1229.6	1228.2	1226.7	1225.3	1226.7	1228.2	1229.6	1231.1	1231.6	1231.3	1230.9
145°	1293.3	1292.4	1291.5	1290.7	1291.5	1292.4	1293.3	1294.1	1294.6	1294.6	1294.6
147.5°	1352.3	1350.4	1348.4	1346.5	1348.4	1350.4	1352.3	1354.3	1354.9	1354.2	1353.5
150°	1389.7	1389.1	1388.5	1388.0	1388.5	1389.1	1389.7	1390.3	1390.6	1390.6	1390.6
152.5°	1425.3	1424.3	1423.2	1422.2	1423.2	1424.3	1425.3	1426.4	1426.5	1425.8	1425.1
155°	1475.3	1473.9	1472.4	1471.0	1472.4	1473.9	1475.3	1476.7	1476.9	1475.7	1474.6
157.5°	1517.4	1515.5	1513.6	1511.7	1513.6	1515.5	1517.4	1519.3	1519.7	1518.5	1517.4
160°	1544.1	1542.6	1541.2	1539.7	1541.2	1542.6	1544.1	1545.5	1545.6	1544.5	1543.3
162.5°	1568.6	1566.9	1565.3	1563.6	1565.3	1566.9	1568.6	1570.3	1570.4	1569.0	1567.7
165°	1600.7	1599.0	1597.2	1595.5	1597.2	1599.0	1600.7	1602.4	1602.7	1601.6	1600.4
167.5°	1626.3	1624.5	1622.7	1620.9	1622.7	1624.5	1626.3	1628.1	1628.1	1626.4	1624.7
170°	1640.5	1638.5	1636.4	1634.4	1636.4	1638.5	1640.5	1642.5	1642.6	1640.9	1639.2
172.5°	1651.2	1649.4	1647.6	1645.8	1647.6	1649.4	1651.2	1653.0	1653.0	1651.3	1649.6
175°	1662.5	1660.5	1658.5	1656.5	1658.5	1660.5	1662.5	1664.5	1664.7	1663.0	1661.2
177.5°	1667.5	1665.9	1664.3	1662.7	1664.3	1665.9	1667.5	1669.2	1669.3	1667.9	1666.5
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1756.1	1763.6	1772.9	1779.8	1792.3	1797.9	1804.7	1810.4	1820.3	1829.7	1840.9
5°	1637.8	1651.0	1669.0	1688.4	1711.1	1726.6	1748.5	1761.7	1788.2	1812.4	1835.8
7.5°	1530.5	1546.7	1572.1	1597.1	1626.7	1653.5	1680.8	1711.1	1744.9	1784.8	1817.8
10°	1456.9	1478.8	1506.0	1537.2	1573.1	1604.3	1640.9	1673.6	1714.9	1761.7	1805.4
12.5°	1398.3	1417.0	1447.4	1477.4	1515.7	1553.7	1591.6	1635.0	1683.1	1734.9	1789.8
15°	1317.4	1333.0	1357.9	1399.2	1438.2	1475.6	1532.5	1573.1	1633.9	1691.6	1757.8
17.5°	1248.3	1267.7	1288.7	1324.1	1364.5	1411.2	1462.1	1512.9	1571.5	1644.6	1719.3
20°	1205.9	1221.5	1245.7	1273.0	1315.8	1362.6	1410.9	1462.4	1534.1	1609.7	1690.0
22.5°	1159.8	1176.6	1203.9	1233.7	1269.7	1314.6	1367.9	1424.3	1499.2	1573.5	1660.7
25°	1105.4	1117.1	1142.0	1168.5	1204.4	1242.6	1297.9	1360.3	1434.3	1519.3	1608.2
27.5°	1054.1	1064.4	1087.1	1110.2	1142.6	1188.0	1237.4	1300.4	1370.2	1456.3	1554.8
30°	1017.3	1028.2	1048.5	1073.4	1104.6	1144.3	1195.0	1254.3	1329.1	1413.3	1516.2
32.5°	985.5	995.1	1010.4	1035.4	1065.9	1104.4	1151.4	1211.8	1286.7	1372.1	1473.1
35°	936.2	947.1	958.8	978.3	1004.8	1042.2	1093.7	1150.6	1222.3	1304.9	1397.7
37.5°	887.3	899.1	909.5	927.0	951.2	984.2	1028.7	1087.9	1152.8	1232.4	1321.4
40°	856.7	866.0	874.6	893.3	917.5	948.7	990.0	1043.0	1111.6	1185.7	1259.7
42.5°	826.1	834.9	842.2	858.4	880.7	910.6	950.1	1001.8	1065.5	1134.5	1199.8
45°	778.0	783.4	792.0	806.0	824.0	851.2	889.4	935.4	989.2	1054.7	1103.8
47.5°	725.9	734.5	741.5	753.8	768.5	795.3	831.9	871.0	919.8	968.5	1003.1
50°	686.0	694.6	704.7	716.4	730.4	755.4	788.9	828.6	869.9	907.4	937.0
52.5°	648.6	656.5	667.3	678.3	695.5	716.7	745.2	780.6	821.3	848.1	872.8
55°	593.2	597.1	609.6	620.5	636.9	652.5	681.3	712.5	737.4	757.7	778.0
57.5°	536.6	541.9	549.1	558.9	575.1	593.4	613.6	641.2	655.9	666.3	682.1
60°	500.5	502.0	506.7	518.4	530.9	547.2	570.6	590.1	601.0	609.6	622.8
62.5°	460.5	460.9	468.6	477.2	486.6	504.2	523.2	539.0	548.0	552.2	564.8
65°	404.6	403.0	407.7	414.7	425.6	437.3	453.7	467.7	466.9	471.6	479.4
67.5°	347.4	345.8	345.8	352.5	361.4	371.8	383.1	391.2	391.3	397.6	401.5
70°	308.7	304.0	307.1	312.6	316.5	325.1	337.5	340.7	341.4	344.5	348.4
72.5°	268.8	267.2	269.7	272.1	274.7	281.4	292.0	293.9	294.0	295.9	302.3
75°	213.6	212.0	210.5	212.8	215.9	220.6	224.5	227.6	226.8	227.6	232.3
77.5°	160.1	155.7	155.0	156.2	157.0	159.8	163.9	163.5	164.3	164.2	169.5
80°	127.1	120.8	120.0	120.0	120.8	122.4	123.9	125.5	123.2	125.5	127.1
82.5°	93.4	89.6	89.5	88.9	89.0	89.3	90.3	91.2	90.7	91.8	92.8
85°	51.4	49.9	47.6	49.1	48.3	46.0	47.6	45.2	44.4	45.2	46.0
87.5°	21.9	22.2	20.6	20.2	19.2	19.4	17.7	16.6	15.5	15.7	17.1
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°	51.7	49.8	47.3	44.9	42.4	39.9	37.8	36.2	34.6	33.0	31.4
95°	101.9	99.9	97.0	94.1	91.2	88.4	86.6	86.0	85.5	84.9	84.3
97.5°	160.9	159.0	155.1	151.1	147.1	143.1	141.0	140.8	140.6	140.3	140.1
100°	201.1	198.5	194.7	191.0	187.2	183.5	181.6	181.6	181.6	181.6	181.6
102.5°	242.8	240.0	238.1	236.2	234.3	232.4	230.8	229.7	228.5	227.4	226.2
105°	311.8	310.0	308.3	306.6	304.8	303.1	301.5	300.1	298.6	297.2	295.8
107.5°	385.9	385.0	383.7	382.3	381.0	379.7	378.3	376.9	375.4	374.0	372.5
110°	436.7	435.8	435.0	434.1	433.3	432.4	431.2	429.8	428.4	426.9	425.5



TEST NUMBER: P333479

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	488.1	487.7	486.6	485.5	484.4	483.4	482.4	481.7	480.9	480.2	479.4
115°	566.6	566.9	566.3	565.7	565.1	564.6	563.7	562.5	561.4	560.2	559.1
117.5°	643.9	643.7	643.1	642.6	642.1	641.6	641.1	640.5	640.0	639.5	639.0
120°	696.6	696.6	696.3	696.0	695.7	695.4	694.6	693.1	691.7	690.2	688.8
122.5°	748.2	748.5	747.7	747.0	746.2	745.5	744.8	744.3	743.8	743.3	742.8
125°	824.4	825.0	824.7	824.4	824.1	823.8	822.8	821.1	819.4	817.6	815.9
127.5°	899.4	899.7	899.4	899.0	898.7	898.3	897.7	896.7	895.7	894.7	893.7
130°	949.2	949.5	948.9	948.4	947.8	947.2	946.2	944.8	943.3	941.9	940.4
132.5°	997.0	997.3	997.4	997.5	997.6	997.7	996.6	994.2	991.9	989.5	987.1
135°	1070.2	1070.2	1069.9	1069.6	1069.3	1069.0	1068.0	1066.3	1064.5	1062.8	1061.1
137.5°	1141.3	1141.0	1140.4	1139.7	1139.1	1138.4	1137.3	1135.6	1134.0	1132.3	1130.6
140°	1186.2	1185.6	1184.7	1183.9	1183.0	1182.1	1181.0	1179.6	1178.1	1176.7	1175.2
142.5°	1230.6	1230.2	1229.1	1228.0	1226.9	1225.8	1224.7	1223.5	1222.3	1221.1	1219.9
145°	1294.6	1294.6	1293.7	1292.8	1292.0	1291.1	1290.1	1288.9	1287.8	1286.6	1285.5
147.5°	1352.9	1352.2	1351.5	1350.8	1350.1	1349.4	1348.7	1348.1	1347.5	1346.8	1346.2
150°	1390.6	1390.6	1389.4	1388.3	1387.1	1385.9	1385.5	1385.8	1386.1	1386.4	1386.7
152.5°	1424.5	1423.8	1423.3	1422.8	1422.4	1421.9	1421.5	1421.1	1420.7	1420.3	1419.9
155°	1473.4	1472.3	1472.0	1471.7	1471.4	1471.1	1471.0	1471.0	1471.0	1471.0	1471.0
157.5°	1516.2	1515.1	1514.8	1514.5	1514.2	1513.9	1514.1	1514.7	1515.4	1516.0	1516.6
160°	1542.2	1541.0	1540.7	1540.5	1540.2	1539.9	1540.2	1541.0	1541.9	1542.8	1543.6
162.5°	1566.3	1564.9	1564.8	1564.8	1564.7	1564.7	1565.0	1565.6	1566.2	1566.9	1567.5
165°	1599.3	1598.1	1597.8	1597.5	1597.2	1597.0	1597.1	1597.7	1598.2	1598.8	1599.4
167.5°	1622.9	1621.2	1621.2	1621.2	1621.2	1621.2	1621.8	1622.9	1624.1	1625.2	1626.4
170°	1637.5	1635.7	1635.7	1635.7	1635.7	1635.7	1636.3	1637.5	1638.6	1639.8	1640.9
172.5°	1647.8	1646.1	1646.1	1646.1	1646.1	1646.1	1646.7	1647.8	1649.0	1650.1	1651.3
175°	1659.5	1657.8	1657.8	1657.8	1657.8	1657.8	1658.4	1659.5	1660.7	1661.8	1663.0
177.5°	1665.1	1663.7	1664.0	1664.2	1664.4	1664.7	1665.2	1666.2	1667.1	1668.0	1668.9
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



TEST NUMBER: P333479

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1846.5	1855.3	1860.9	1871.5	1880.2	1885.2	1889.6	1893.3	1897.7	1901.4	1912.0
5°	1858.4	1878.6	1895.8	1922.3	1946.5	1965.2	1985.4	2003.4	2018.2	2039.2	2055.6
7.5°	1853.2	1889.2	1927.0	1968.0	2009.9	2048.9	2084.8	2118.3	2148.7	2185.5	2217.7
10°	1848.2	1897.4	1945.7	2001.0	2057.9	2106.3	2151.5	2197.5	2231.0	2277.8	2317.5
12.5°	1844.5	1902.3	1960.7	2027.2	2089.7	2158.0	2218.2	2251.7	2302.7	2340.1	2387.4
15°	1828.8	1905.2	1985.4	2060.3	2149.1	2212.3	2265.3	2330.8	2378.3	2425.9	2477.3
17.5°	1800.5	1887.1	1976.9	2074.9	2160.2	2228.0	2296.3	2359.5	2416.2	2480.0	2544.0
20°	1787.4	1874.0	1976.9	2077.4	2160.8	2231.8	2301.9	2371.3	2433.7	2515.5	2589.6
22.5°	1760.0	1864.6	1959.4	2057.5	2143.4	2220.5	2300.1	2378.8	2461.7	2554.2	2646.9
25°	1711.1	1817.1	1917.6	2014.3	2100.8	2197.5	2282.4	2387.7	2493.7	2616.1	2731.4
27.5°	1660.2	1761.7	1853.9	1947.2	2048.1	2157.6	2267.8	2387.2	2526.0	2680.5	2843.2
30°	1619.1	1714.9	1804.6	1900.5	2005.7	2128.9	2249.7	2391.6	2552.2	2726.0	2919.3
32.5°	1571.0	1659.4	1746.6	1848.1	1962.7	2092.7	2233.5	2389.1	2582.1	2779.6	2978.6
35°	1488.9	1562.9	1652.6	1760.9	1890.3	2039.2	2202.2	2386.1	2607.5	2834.3	3001.9
37.5°	1391.4	1460.4	1554.8	1673.6	1809.3	1969.1	2162.4	2380.7	2615.8	2796.6	2850.7
40°	1326.0	1389.9	1488.1	1611.3	1750.0	1919.2	2131.2	2362.0	2589.6	2704.9	2660.5
42.5°	1256.1	1323.2	1418.9	1540.8	1690.2	1874.3	2091.9	2322.7	2513.5	2557.1	2403.6
45°	1145.9	1215.3	1309.6	1432.8	1593.3	1792.9	2019.7	2229.4	2339.3	2260.6	2022.9
47.5°	1043.5	1108.5	1195.9	1323.0	1488.7	1695.1	1913.6	2080.9	2089.6	1901.7	1647.8
50°	973.6	1033.6	1121.7	1248.8	1413.3	1622.2	1819.4	1951.1	1891.9	1679.1	1435.1
52.5°	905.0	963.8	1050.6	1176.5	1339.1	1530.5	1714.0	1806.5	1694.8	1476.4	1268.0
55°	806.0	857.5	942.4	1058.6	1212.9	1390.7	1546.6	1578.5	1433.5	1218.4	1049.2
57.5°	709.4	757.4	834.7	941.7	1082.8	1240.2	1362.1	1355.3	1202.0	1017.4	883.2
60°	643.9	690.7	759.3	863.7	992.3	1128.0	1232.4	1207.5	1055.5	896.5	783.4
62.5°	585.3	627.0	691.9	783.3	900.7	1026.3	1112.1	1075.3	926.4	787.3	698.0
65°	498.9	534.0	589.3	667.3	764.7	868.4	934.6	887.1	760.0	651.7	580.0
67.5°	416.4	444.5	490.9	553.1	636.2	719.5	759.9	712.0	610.4	531.3	478.2
70°	364.0	389.0	424.8	480.2	552.7	622.8	653.2	610.4	523.1	455.2	417.0
72.5°	311.7	332.2	363.7	413.5	471.6	532.4	559.1	518.1	446.4	389.1	353.4
75°	240.9	254.9	276.7	311.0	357.0	405.4	420.2	384.3	338.3	295.4	272.1
77.5°	172.4	184.3	200.8	222.5	255.1	285.8	298.7	278.0	242.4	215.3	196.1
80°	132.5	138.8	152.8	170.7	196.4	215.9	224.5	211.3	186.3	166.0	151.2
82.5°	94.5	100.7	109.1	123.9	140.3	153.6	162.8	153.9	135.8	119.9	111.3
85°	46.0	49.9	54.6	60.8	73.3	81.1	80.3	74.8	67.8	61.6	56.9
87.5°	16.9	18.0	20.4	23.9	26.2	29.1	30.8	29.9	27.8	26.3	24.7
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°	33.0	34.6	36.2	37.8	39.9	42.4	44.9	47.3	49.8	51.7	53.6
95°	84.9	85.5	86.0	86.6	88.4	91.2	94.1	97.0	99.9	101.9	103.9
97.5°	140.3	140.6	140.8	141.0	143.1	147.1	151.1	155.1	159.0	160.9	162.8
100°	181.6	181.6	181.6	181.6	183.5	187.2	191.0	194.7	198.5	201.1	203.7
102.5°	227.4	228.5	229.7	230.8	232.4	234.3	236.2	238.1	240.0	242.8	245.6
105°	297.2	298.6	300.1	301.5	303.1	304.8	306.6	308.3	310.0	311.8	313.5
107.5°	374.0	375.4	376.9	378.3	379.7	381.0	382.3	383.7	385.0	385.9	386.7
110°	426.9	428.4	429.8	431.2	432.4	433.3	434.1	435.0	435.8	436.7	437.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	480.2	480.9	481.7	482.4	483.4	484.4	485.5	486.6	487.7	488.1	488.5
115°	560.2	561.4	562.5	563.7	564.6	565.1	565.7	566.3	566.9	566.6	566.3
117.5°	639.5	640.0	640.5	641.1	641.6	642.1	642.6	643.1	643.7	643.9	644.1
120°	690.2	691.7	693.1	694.6	695.4	695.7	696.0	696.3	696.6	696.6	696.6
122.5°	743.3	743.8	744.3	744.8	745.5	746.2	747.0	747.7	748.5	748.2	748.0
125°	817.6	819.4	821.1	822.8	823.8	824.1	824.4	824.7	825.0	824.4	823.8
127.5°	894.7	895.7	896.7	897.7	898.3	898.7	899.0	899.4	899.7	899.4	899.1
130°	941.9	943.3	944.8	946.2	947.2	947.8	948.4	948.9	949.5	949.2	948.9
132.5°	989.5	991.9	994.2	996.6	997.7	997.6	997.5	997.4	997.3	997.0	996.7
135°	1062.8	1064.5	1066.3	1068.0	1069.0	1069.3	1069.6	1069.9	1070.2	1070.2	1070.2
137.5°	1132.3	1134.0	1135.6	1137.3	1138.4	1139.1	1139.7	1140.4	1141.0	1141.3	1141.7
140°	1176.7	1178.1	1179.6	1181.0	1182.1	1183.0	1183.9	1184.7	1185.6	1186.2	1186.8
142.5°	1221.1	1222.3	1223.5	1224.7	1225.8	1226.9	1228.0	1229.1	1230.2	1230.6	1230.9
145°	1286.6	1287.8	1288.9	1290.1	1291.1	1292.0	1292.8	1293.7	1294.6	1294.6	1294.6
147.5°	1346.8	1347.5	1348.1	1348.7	1349.4	1350.1	1350.8	1351.5	1352.2	1352.9	1353.5
150°	1386.4	1386.1	1385.8	1385.5	1385.9	1387.1	1388.3	1389.4	1390.6	1390.6	1390.6
152.5°	1420.3	1420.7	1421.1	1421.5	1421.9	1422.4	1422.8	1423.3	1423.8	1424.5	1425.1
155°	1471.0	1471.0	1471.0	1471.0	1471.1	1471.4	1471.7	1472.0	1472.3	1473.4	1474.6
157.5°	1516.0	1515.4	1514.7	1514.1	1513.9	1514.2	1514.5	1514.8	1515.1	1516.2	1517.4
160°	1542.8	1541.9	1541.0	1540.2	1539.9	1540.2	1540.5	1540.7	1541.0	1542.2	1543.3
162.5°	1566.9	1566.2	1565.6	1565.0	1564.7	1564.7	1564.8	1564.8	1564.9	1566.3	1567.7
165°	1598.8	1598.2	1597.7	1597.1	1597.0	1597.2	1597.5	1597.8	1598.1	1599.3	1600.4
167.5°	1625.2	1624.1	1622.9	1621.8	1621.2	1621.2	1621.2	1621.2	1621.2	1622.9	1624.7
170°	1639.8	1638.6	1637.5	1636.3	1635.7	1635.7	1635.7	1635.7	1635.7	1637.5	1639.2
172.5°	1650.1	1649.0	1647.8	1646.7	1646.1	1646.1	1646.1	1646.1	1646.1	1647.8	1649.6
175°	1661.8	1660.7	1659.5	1658.4	1657.8	1657.8	1657.8	1657.8	1657.8	1659.5	1661.2
177.5°	1668.0	1667.1	1666.2	1665.2	1664.7	1664.4	1664.2	1664.0	1663.7	1665.1	1666.5
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1920.7	1925.7	1936.3	1932.6	1937.6	1940.1	1942.6
5°	2075.9	2100.8	2111.7	2110.2	2126.5	2122.6	2118.7
7.5°	2251.1	2277.3	2292.0	2310.2	2320.8	2321.6	2330.8
10°	2350.3	2384.6	2398.6	2418.1	2430.6	2437.6	2436.8
12.5°	2426.3	2453.2	2484.6	2494.2	2511.0	2519.9	2516.6
15°	2517.9	2560.7	2593.5	2609.8	2630.9	2637.1	2645.7
17.5°	2599.6	2657.1	2695.3	2746.1	2765.3	2777.0	2770.1
20°	2661.3	2736.9	2775.1	2835.9	2869.4	2887.4	2881.1
22.5°	2734.3	2816.1	2886.7	2939.4	2990.4	3014.6	3019.6
25°	2859.3	2971.5	3075.2	3144.6	3207.7	3222.5	3255.3
27.5°	2999.0	3131.3	3242.2	3315.2	3359.1	3375.6	3385.9
30°	3086.9	3218.6	3302.1	3348.8	3362.9	3361.3	3359.7
32.5°	3129.9	3212.4	3228.5	3215.4	3183.3	3156.1	3127.8
35°	3069.0	3007.4	2915.4	2796.9	2709.6	2621.5	2613.0
37.5°	2760.1	2563.2	2410.1	2239.1	2140.4	2079.5	2037.4
40°	2469.5	2245.8	2060.3	1916.1	1815.5	1775.8	1736.8
42.5°	2154.0	1940.2	1775.9	1655.4	1579.8	1535.7	1504.8
45°	1750.0	1561.4	1432.8	1345.5	1285.4	1251.1	1231.6
47.5°	1434.0	1294.5	1185.2	1122.2	1080.7	1054.1	1054.2
50°	1264.4	1131.1	1058.6	1008.7	972.8	951.8	955.7
52.5°	1114.1	1014.5	952.6	910.8	884.3	871.3	870.9
55°	931.5	859.8	819.3	788.9	770.9	756.1	759.3
57.5°	796.8	736.3	709.2	684.0	671.5	665.6	657.0
60°	713.3	666.5	643.1	622.8	610.4	605.7	597.1
62.5°	639.1	602.3	579.5	563.0	551.7	550.2	543.5
65°	537.1	509.0	488.8	481.0	469.3	466.2	466.2
67.5°	442.8	422.7	406.9	399.7	394.6	395.4	391.6
70°	383.5	367.2	357.0	349.2	345.3	346.1	343.0
72.5°	335.5	317.3	308.4	303.7	298.6	300.6	299.3
75°	254.1	244.8	240.1	235.4	232.3	230.7	229.2
77.5°	186.6	178.4	174.8	172.1	172.6	168.8	171.8
80°	144.2	137.2	134.9	131.0	130.2	130.2	129.4
82.5°	105.5	101.6	99.9	96.7	95.3	96.5	94.5
85°	54.6	51.4	50.7	50.7	49.1	47.6	51.4
87.5°	25.0	22.8	23.0	22.5	22.7	22.3	21.2
90°	25.1	26.5	27.7	28.5	29.4	30.3	31.1
92.5°	55.5	57.4	58.7	59.3	60.0	60.6	61.2
95°	105.9	108.0	109.2	109.8	110.4	111.0	111.6
97.5°	164.7	166.6	167.8	168.1	168.5	168.8	169.2
100°	206.2	208.8	210.4	211.0	211.6	212.2	212.7
102.5°	248.4	251.3	253.1	253.9	254.7	255.5	256.3
105°	315.2	316.9	318.2	319.1	320.0	320.8	321.7
107.5°	387.6	388.5	388.9	388.8	388.7	388.7	388.6
110°	438.4	439.3	439.6	439.3	439.0	438.7	438.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	488.9	489.3	489.3	488.8	488.3	487.7	487.2
115°	566.0	565.7	565.4	565.1	564.8	564.6	564.3
117.5°	644.3	644.6	644.1	643.0	641.8	640.7	639.5
120°	696.6	696.6	696.0	694.8	693.7	692.5	691.4
122.5°	747.8	747.5	747.0	746.0	745.1	744.2	743.3
125°	823.3	822.7	822.3	822.0	821.7	821.4	821.1
127.5°	898.8	898.6	898.1	897.6	897.0	896.4	895.8
130°	948.7	948.4	947.9	947.4	946.8	946.2	945.6
132.5°	996.4	996.1	995.6	994.8	993.9	993.1	992.3
135°	1070.2	1070.2	1069.6	1068.4	1067.3	1066.1	1065.0
137.5°	1142.0	1142.4	1141.8	1140.4	1138.9	1137.5	1136.1
140°	1187.3	1187.9	1187.5	1186.0	1184.6	1183.2	1181.7
142.5°	1231.3	1231.6	1231.1	1229.6	1228.2	1226.7	1225.3
145°	1294.6	1294.6	1294.1	1293.3	1292.4	1291.5	1290.7
147.5°	1354.2	1354.9	1354.3	1352.3	1350.4	1348.4	1346.5
150°	1390.6	1390.6	1390.3	1389.7	1389.1	1388.5	1388.0
152.5°	1425.8	1426.5	1426.4	1425.3	1424.3	1423.2	1422.2
155°	1475.7	1476.9	1476.7	1475.3	1473.9	1472.4	1471.0
157.5°	1518.5	1519.7	1519.3	1517.4	1515.5	1513.6	1511.7
160°	1544.5	1545.6	1545.5	1544.1	1542.6	1541.2	1539.7
162.5°	1569.0	1570.4	1570.3	1568.6	1566.9	1565.3	1563.6
165°	1601.6	1602.7	1602.4	1600.7	1599.0	1597.2	1595.5
167.5°	1626.4	1628.1	1628.1	1626.3	1624.5	1622.7	1620.9
170°	1640.9	1642.6	1642.5	1640.5	1638.5	1636.4	1634.4
172.5°	1651.3	1653.0	1653.0	1651.2	1649.4	1647.6	1645.8
175°	1663.0	1664.7	1664.5	1662.5	1660.5	1658.5	1656.5
177.5°	1667.9	1669.3	1669.2	1667.5	1665.9	1664.3	1662.7
180°	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9	1666.9

(END OF REPORT)