

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: P333622-840

Luminaire Tested: **S125RDIP-S1270D810U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333622-840  
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: S125RDIP-S1270D810U840-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 810 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8242.1 lumens  
Efficiency: N/A  
Efficacy: 135.8 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: Semi-Direct

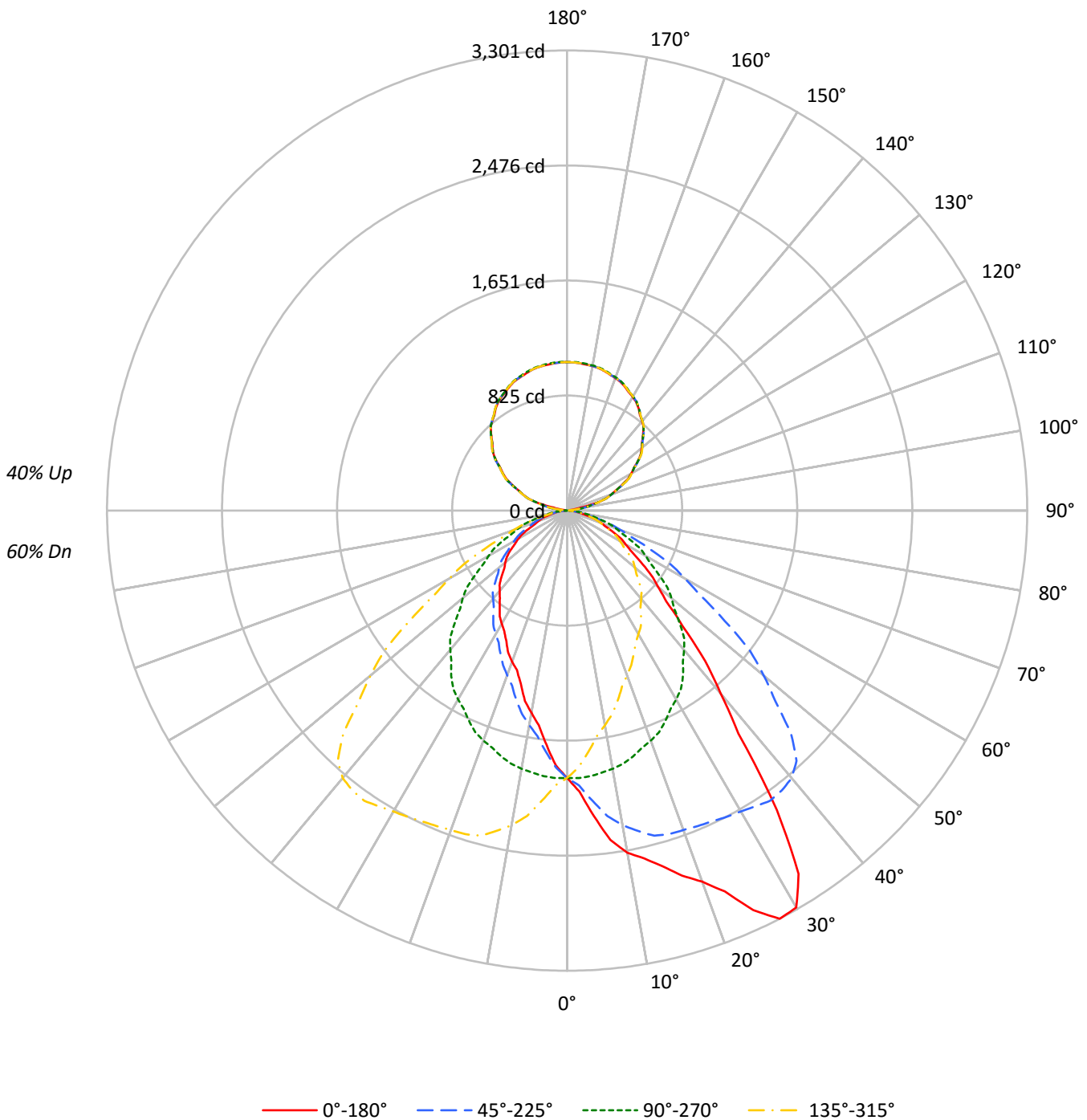
Input Watts (W): 60.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	110	110	110	110	102	102	102	102	89	89	89	77	77	77	66	66	66	60
1	101	96	93	89	94	90	87	84	79	77	74	68	67	65	59	58	56	52
2	92	85	79	74	86	80	74	70	70	66	62	61	58	55	52	50	48	44
3	84	75	68	62	79	70	64	59	62	57	53	54	50	47	47	44	42	38
4	77	67	59	53	72	63	56	50	55	50	45	48	44	41	42	39	36	33
5	71	60	51	46	66	56	49	44	50	44	39	44	39	36	38	35	32	29
6	66	54	46	40	61	51	43	38	45	39	35	40	35	31	35	31	28	25
7	61	49	41	35	57	46	39	34	41	35	31	36	31	28	32	28	25	23
8	56	44	36	31	53	42	35	30	37	31	27	33	28	25	29	25	22	20
9	53	40	33	28	49	38	31	27	34	29	25	30	26	22	27	23	20	18
10	49	37	30	25	46	35	29	24	32	26	22	28	24	20	25	21	18	17

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

	0°	90°	180°	270°
0°	12385	12385	12385	12385
5°	14249	12401	10952	12401
10°	16344	12338	9664	12338
15°	17653	12211	8590	12211
20°	19467	12065	7932	12065
25°	22528	11870	7360	11870
30°	24515	11665	6986	11665
35°	20679	11427	6641	11427
40°	14441	10997	6345	10997
45°	10714	10418	6054	10418
50°	8542	9815	5805	9815
55°	7250	9067	5584	9067
60°	6263	8400	5227	8400
65°	5582	7674	4499	7674
70°	4904	7030	4101	7030
75°	4245	6089	3850	6089
80°	3217	5121	3217	5121
85°	2690	4024	3031	4024



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.9	2.2
10°-20°	538.9	6.5
20°-30°	854.5	10.4
30°-40°	1030.4	12.5
40°-50°	920.2	11.2
50°-60°	705.7	8.6
60°-70°	458.6	5.6
70°-80°	223.0	2.7
80°-90°	55.4	0.7
90°-100°	38.7	0.5
100°-110°	238.6	2.9
110°-120°	432.8	5.3
120°-130°	555.4	6.7
130°-140°	597.4	7.2
140°-150°	560.7	6.8
150°-160°	453.6	5.5
160°-170°	293.3	3.6
170°-180°	101.2	1.2
0°-30°	1577.3	19.1
0°-40°	2607.7	31.6
0°-60°	4233.5	51.4
0°-90°	4970.5	60.3
90°-120°	710.1	8.6
90°-150°	2423.5	29.4
90°-180°	3272.0	39.7
0°-180°	8242.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1918	1918	1918	1918	1918	
5°	2198	1913	1689	1913	2198	220
15°	2640	1826	1285	1826	2640	757
25°	3161	1666	1033	1666	3161	1452
35°	2623	1449	842	1449	2623	1584
45°	1173	1141	663	1141	1173	936
55°	644	805	496	805	644	584
65°	365	502	294	502	365	363
75°	170	244	154	244	170	181
85°	36	54	41	54	36	42
90°	19	1	19	1	19	10
95°	17	45	17	45	17	14
105°	235	232	235	232	235	212
115°	433	436	433	436	433	430
125°	620	620	620	620	620	552
135°	770	773	770	773	770	594
145°	894	896	894	896	894	558
155°	980	987	980	987	980	452
165°	1036	1042	1036	1042	1036	292
175°	1061	1065	1061	1065	1061	101
180°	1065	1065	1065	1065	1065	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	2017.1	2015.9	2018.4	2011.4	2012.1	2001.4	2001.4	1993.2	1982.5	1974.3	1970.5
5°	2197.9	2199.5	2196.3	2184.4	2176.7	2164.8	2151.4	2127.8	2108.1	2089.2	2074.3
7.5°	2384.0	2385.1	2374.7	2371.1	2351.2	2336.7	2306.9	2274.8	2246.3	2210.2	2182.4
10°	2492.2	2491.5	2480.4	2471.8	2454.5	2432.5	2403.4	2365.5	2330.2	2290.8	2253.0
12.5°	2555.3	2553.2	2549.7	2539.2	2523.1	2503.7	2478.9	2441.8	2398.1	2355.0	2310.9
15°	2640.3	2634.7	2624.5	2611.1	2588.3	2565.5	2537.9	2504.9	2463.2	2414.4	2373.4
17.5°	2745.4	2745.6	2729.9	2711.3	2680.3	2640.0	2597.5	2544.1	2487.4	2433.7	2390.1
20°	2832.4	2829.9	2814.3	2778.0	2742.6	2692.2	2643.4	2578.1	2508.8	2438.7	2384.4
22.5°	2957.1	2950.9	2934.6	2887.0	2832.1	2767.1	2692.5	2612.7	2529.0	2449.4	2378.1
25°	3161.4	3156.6	3124.4	3069.3	2992.1	2892.2	2794.6	2685.1	2564.8	2460.0	2373.4
27.5°	3301.2	3296.0	3272.1	3226.3	3155.1	3049.9	2917.8	2771.6	2621.2	2477.2	2352.3
30°	3287.3	3299.1	3296.0	3274.8	3221.3	3126.7	3004.8	2840.2	2661.5	2492.2	2343.5
32.5°	3089.6	3100.2	3127.9	3169.6	3172.7	3134.9	3043.8	2891.8	2706.8	2514.4	2336.5
35°	2622.9	2637.2	2690.7	2774.9	2885.1	2977.2	2996.1	2914.3	2748.1	2541.1	2326.2
37.5°	2016.5	2094.0	2139.0	2227.7	2394.2	2563.6	2726.5	2786.5	2715.8	2530.1	2309.4
40°	1712.9	1731.8	1812.1	1912.1	2052.2	2228.6	2460.8	2628.5	2633.9	2504.9	2282.9
42.5°	1466.1	1490.1	1545.1	1625.0	1744.9	1921.3	2161.0	2382.3	2484.8	2435.6	2248.3
45°	1173.0	1191.0	1231.2	1292.6	1384.7	1530.3	1736.6	1992.4	2195.5	2275.0	2155.4
47.5°	963.5	973.3	1008.2	1055.0	1123.2	1229.3	1389.0	1611.0	1854.6	2025.5	2008.6
50°	850.2	861.2	888.0	923.4	980.9	1070.6	1198.1	1383.1	1634.3	1842.8	1884.6
52.5°	762.0	771.1	787.8	821.3	868.8	937.8	1040.7	1208.0	1434.0	1655.8	1752.3
55°	643.9	650.3	663.6	682.5	720.3	769.9	858.8	974.5	1157.2	1380.8	1522.5
57.5°	546.6	549.8	558.3	575.7	601.9	638.1	702.4	800.4	931.4	1132.8	1289.1
60°	484.9	488.1	499.1	510.9	531.4	564.4	614.8	683.3	809.2	975.3	1133.6
62.5°	435.8	437.7	442.4	454.2	472.2	497.7	537.3	593.2	693.4	839.3	988.8
65°	365.3	366.1	367.6	377.1	388.1	407.0	432.9	472.3	547.9	658.1	790.3
67.5°	297.6	298.6	304.2	307.5	319.0	328.9	344.2	374.3	427.5	501.8	604.6
70°	259.7	259.0	264.5	268.4	272.4	284.2	294.4	318.8	351.8	408.6	494.3
72.5°	224.5	222.5	224.8	226.2	231.5	239.4	249.7	264.7	290.1	329.2	394.9
75°	170.1	170.9	170.9	172.4	176.3	179.5	182.6	190.5	204.7	230.7	266.1
77.5°	119.4	118.1	121.4	121.9	124.2	127.6	130.4	133.5	139.4	150.1	168.3
80°	86.5	86.5	87.4	89.8	89.0	90.5	94.4	97.7	104.7	111.0	117.2
82.5°	66.4	65.8	66.6	67.1	67.0	68.5	69.9	70.5	73.2	76.3	80.8
85°	36.3	36.3	37.0	37.0	37.8	37.8	38.6	38.6	38.6	39.4	40.2
87.5°	17.7	16.9	16.2	16.1	16.6	17.7	16.9	16.1	16.0	15.8	16.2
90°	19.0	18.4	17.9	17.4	16.9	16.2	15.2	14.4	13.5	12.6	11.4
92.5°	17.7	17.5	17.2	17.0	16.7	16.2	15.2	14.4	13.5	12.6	11.5
95°	16.6	16.6	16.6	16.6	16.6	16.2	15.2	14.4	13.5	12.6	19.3
97.5°	16.6	16.6	16.6	16.6	16.6	19.1	24.0	29.0	33.9	38.9	52.0
100°	16.6	17.3	18.0	18.7	19.4	32.8	59.0	85.1	111.3	137.4	136.7
102.5°	99.4	111.3	123.2	135.1	147.1	155.5	160.5	165.4	170.4	175.3	174.9
105°	234.6	234.7	234.9	235.1	235.3	235.3	235.3	235.3	235.3	235.3	235.3
107.5°	295.7	296.2	296.7	297.3	297.8	298.0	298.0	298.0	297.9	297.9	297.5
110°	338.0	337.8	337.7	337.5	337.3	337.5	338.0	338.5	339.1	339.6	339.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	376.0	376.2	376.4	376.7	376.9	377.4	378.0	378.7	379.4	380.0	379.8
115°	432.8	433.8	434.8	436.0	437.0	437.9	438.6	439.3	440.0	440.7	440.5
117.5°	493.4	493.9	494.3	494.8	495.2	495.9	496.9	497.8	498.7	499.6	499.0
120°	530.7	531.6	532.5	533.3	534.2	534.8	535.2	535.5	535.9	536.2	535.7
122.5°	566.1	567.1	568.2	569.2	570.2	570.9	571.2	571.6	571.9	572.3	572.0
125°	620.0	620.5	621.0	621.6	622.1	622.7	623.4	624.1	624.8	625.5	625.5
127.5°	665.3	666.6	667.9	669.2	670.4	671.4	671.8	672.1	672.5	672.9	673.0
130°	698.1	699.0	699.9	700.7	701.7	702.4	702.9	703.4	704.0	704.5	704.3
132.5°	728.5	729.3	730.2	731.1	732.0	732.5	732.6	732.7	732.8	732.9	733.3
135°	770.0	771.0	772.1	773.2	774.3	775.0	775.3	775.7	776.0	776.4	776.7
137.5°	811.7	812.6	813.5	814.5	815.4	815.8	815.7	815.7	815.6	815.5	815.9
140°	836.4	837.4	838.5	839.5	840.6	840.9	840.6	840.2	839.9	839.5	839.7
142.5°	859.7	860.8	861.8	862.9	863.9	864.4	864.3	864.3	864.2	864.1	863.9
145°	894.0	895.0	896.2	897.2	898.2	898.7	898.5	898.3	898.2	898.0	898.0
147.5°	922.3	923.5	924.8	926.0	927.4	927.9	927.7	927.5	927.3	927.1	926.9
150°	940.6	942.0	943.4	944.8	946.2	946.7	946.4	946.0	945.7	945.3	945.0
152.5°	957.7	959.0	960.2	961.5	962.7	963.2	962.8	962.5	962.1	961.8	961.4
155°	980.1	981.5	982.9	984.3	985.7	986.1	985.6	985.1	984.5	984.0	983.7
157.5°	998.9	1000.3	1001.7	1003.1	1004.5	1004.9	1004.4	1003.8	1003.2	1002.7	1002.6
160°	1010.9	1012.3	1013.7	1015.1	1016.5	1016.8	1016.1	1015.4	1014.7	1014.0	1013.9
162.5°	1021.7	1023.2	1024.7	1026.2	1027.8	1028.0	1027.1	1026.1	1025.1	1024.2	1024.0
165°	1036.1	1037.5	1038.9	1040.4	1041.8	1042.0	1040.9	1039.9	1038.8	1037.7	1037.5
167.5°	1046.3	1047.8	1049.5	1051.0	1052.6	1052.8	1051.5	1050.3	1048.9	1047.7	1047.5
170°	1052.0	1053.5	1055.1	1056.7	1058.2	1058.3	1056.9	1055.5	1054.2	1052.8	1052.6
172.5°	1055.7	1057.3	1058.9	1060.5	1062.1	1062.3	1061.0	1059.7	1058.4	1057.1	1056.8
175°	1060.7	1062.3	1063.8	1065.4	1066.9	1067.0	1065.6	1064.2	1062.9	1061.5	1061.3
177.5°	1063.5	1064.6	1065.7	1066.8	1068.0	1068.0	1067.0	1066.1	1065.1	1064.1	1064.0
180°	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1970.5	1966.1	1957.9	1950.4	1941.0	1932.8	1927.0	1920.2	1911.4	1900.7	1891.8
5°	2057.7	2040.4	2017.6	1997.9	1972.8	1953.1	1932.6	1912.9	1893.2	1868.0	1846.0
7.5°	2154.4	2118.7	2083.9	2040.1	2000.4	1965.0	1931.0	1896.5	1862.8	1827.0	1792.6
10°	2213.6	2170.3	2122.3	2067.2	2016.8	1968.8	1924.7	1881.4	1835.7	1795.6	1752.3
12.5°	2269.1	2213.1	2158.2	2088.6	2028.1	1969.4	1913.4	1859.4	1810.6	1758.5	1712.0
15°	2319.1	2264.0	2202.6	2117.6	2033.4	1962.5	1896.3	1826.3	1765.6	1707.5	1655.5
17.5°	2338.4	2280.7	2209.4	2127.7	2035.6	1946.4	1861.3	1784.4	1713.1	1645.3	1586.8
20°	2330.9	2275.0	2201.8	2123.8	2025.5	1932.6	1840.5	1755.4	1676.0	1604.3	1542.2
22.5°	2312.7	2254.8	2184.1	2101.8	2008.4	1910.0	1811.5	1720.8	1637.5	1563.4	1495.5
25°	2285.2	2206.6	2134.1	2053.8	1964.9	1867.2	1765.6	1665.7	1576.8	1501.2	1427.2
27.5°	2256.7	2158.5	2066.4	1986.6	1892.6	1805.5	1707.6	1605.1	1511.6	1434.6	1358.7
30°	2230.9	2120.7	2019.1	1928.6	1839.7	1757.1	1664.2	1564.2	1468.1	1388.7	1311.5
32.5°	2198.8	2081.6	1970.0	1865.6	1779.9	1697.9	1613.8	1518.2	1424.7	1342.6	1264.3
35°	2158.5	2008.9	1887.7	1776.8	1681.4	1601.9	1526.4	1449.3	1355.5	1270.5	1194.2
37.5°	2105.6	1935.9	1795.6	1674.7	1574.3	1494.4	1434.7	1364.2	1278.7	1197.3	1126.5
40°	2073.5	1883.0	1729.5	1609.8	1504.3	1420.1	1364.2	1304.4	1226.5	1150.1	1079.2
42.5°	2030.6	1834.5	1662.7	1538.0	1431.9	1350.8	1294.3	1242.0	1176.7	1104.8	1028.9
45°	1946.7	1740.5	1560.2	1426.4	1319.4	1239.8	1187.1	1140.6	1091.1	1024.9	958.8
47.5°	1837.4	1642.4	1453.8	1307.7	1202.9	1129.0	1077.8	1041.2	1005.7	949.5	885.2
50°	1750.0	1561.9	1377.6	1235.9	1124.1	1054.1	1006.0	976.9	944.6	893.4	839.9
52.5°	1646.7	1478.6	1298.3	1153.4	1047.9	982.3	936.1	907.1	880.4	838.7	787.7
55°	1483.9	1336.7	1171.3	1039.9	943.1	877.0	832.8	805.3	789.6	754.2	714.0
57.5°	1296.1	1190.5	1044.8	918.1	832.4	767.1	734.8	711.3	693.6	668.5	640.2
60°	1165.1	1091.1	960.4	839.9	761.2	699.0	669.9	650.3	633.7	612.5	590.4
62.5°	1032.2	978.4	864.6	761.2	688.8	636.7	609.5	591.7	572.6	558.3	536.8
65°	854.1	806.1	727.4	646.3	579.4	537.7	518.0	502.2	490.4	474.6	459.7
67.5°	664.4	644.9	590.6	534.6	486.7	449.5	432.5	421.5	407.3	397.9	387.6
70°	547.9	538.5	499.9	462.9	418.0	392.8	377.1	372.3	355.1	345.6	338.5
72.5°	444.6	440.2	418.0	392.3	360.7	338.6	324.2	318.8	307.8	300.2	295.7
75°	304.7	306.2	302.3	285.8	274.0	259.7	247.2	244.0	236.2	229.8	225.9
77.5°	192.7	200.8	201.1	200.3	195.5	186.9	181.7	179.4	171.6	169.3	168.3
80°	132.3	140.9	148.8	147.9	146.4	144.1	140.2	137.7	133.8	131.5	129.9
82.5°	88.2	96.2	102.8	107.0	106.7	104.4	101.7	100.6	99.8	98.1	97.8
85°	41.7	43.3	45.6	51.2	55.1	55.8	55.1	54.3	51.9	52.7	53.5
87.5°	16.6	16.3	16.7	16.4	15.5	18.4	20.0	20.3	19.3	18.4	17.4
90°	10.2	9.0	7.7	6.4	5.0	3.6	2.2	0.8	2.2	3.6	5.0
92.5°	10.5	9.4	8.3	8.3	9.2	10.2	11.2	12.1	11.2	10.2	9.2
95°	26.0	32.6	39.3	42.9	43.4	43.9	44.5	45.0	44.5	43.9	43.4
97.5°	65.2	78.5	91.7	97.8	96.8	95.8	94.9	94.0	94.9	95.8	96.8
100°	136.0	135.3	134.6	134.0	133.5	132.9	132.4	131.9	132.4	132.9	133.5
102.5°	174.5	174.1	173.6	173.1	172.4	171.8	171.1	170.5	171.1	171.8	172.4
105°	235.3	235.3	235.3	235.0	234.3	233.6	232.9	232.2	232.9	233.6	234.3
107.5°	297.2	296.8	296.5	296.3	296.3	296.3	296.3	296.3	296.3	296.3	296.3
110°	338.9	338.5	338.2	338.0	338.0	338.0	338.0	338.0	338.0	338.0	338.0





TEST NUMBER: P333622-840

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	379.6	379.4	379.2	378.9	378.5	378.0	377.6	377.2	377.6	378.0	378.5
115°	440.3	440.2	440.0	439.5	438.6	437.7	436.9	436.0	436.9	437.7	438.6
117.5°	498.3	497.6	497.0	496.7	496.7	496.7	496.8	496.8	496.8	496.7	496.7
120°	535.2	534.6	534.1	533.9	534.1	534.3	534.5	534.6	534.5	534.3	534.1
122.5°	571.8	571.5	571.3	570.8	570.2	569.5	568.9	568.2	568.9	569.5	570.2
125°	625.5	625.5	625.5	624.9	623.7	622.4	621.2	620.0	621.2	622.4	623.7
127.5°	673.1	673.2	673.3	672.9	672.1	671.2	670.2	669.4	670.2	671.2	672.1
130°	704.1	704.0	703.8	703.3	702.4	701.5	700.6	699.7	700.6	701.5	702.4
132.5°	733.7	734.1	734.5	734.2	733.1	732.1	731.0	730.0	731.0	732.1	733.1
135°	777.0	777.4	777.7	777.4	776.4	775.3	774.3	773.2	774.3	775.3	776.4
137.5°	816.2	816.5	816.8	816.5	815.6	814.7	813.7	812.8	813.7	814.7	815.6
140°	839.9	840.0	840.2	840.1	839.8	839.4	839.1	838.7	839.1	839.4	839.8
142.5°	863.6	863.4	863.1	862.9	862.7	862.5	862.3	862.1	862.3	862.5	862.7
145°	898.0	898.0	898.0	897.8	897.5	897.1	896.8	896.4	896.8	897.1	897.5
147.5°	926.6	926.3	926.1	926.1	926.1	926.2	926.3	926.3	926.3	926.2	926.1
150°	944.6	944.3	943.9	943.9	944.3	944.6	945.0	945.3	945.0	944.6	944.3
152.5°	961.1	960.7	960.4	960.6	961.4	962.1	962.9	963.7	962.9	962.1	961.4
155°	983.3	983.0	982.6	983.0	984.0	985.1	986.1	987.2	986.1	985.1	984.0
157.5°	1002.6	1002.6	1002.5	1002.8	1003.5	1004.1	1004.7	1005.3	1004.7	1004.1	1003.5
160°	1013.7	1013.5	1013.4	1013.8	1014.8	1015.9	1016.9	1018.0	1016.9	1015.9	1014.8
162.5°	1023.8	1023.6	1023.5	1023.9	1024.9	1026.0	1027.0	1028.1	1027.0	1026.0	1024.9
165°	1037.4	1037.2	1037.0	1037.4	1038.5	1039.6	1040.7	1041.7	1040.7	1039.6	1038.5
167.5°	1047.3	1047.1	1047.0	1047.4	1048.5	1049.7	1050.8	1051.8	1050.8	1049.7	1048.5
170°	1052.4	1052.2	1052.1	1052.6	1053.8	1055.0	1056.2	1057.5	1056.2	1055.0	1053.8
172.5°	1056.5	1056.2	1055.9	1056.3	1057.6	1058.8	1060.1	1061.3	1060.1	1058.8	1057.6
175°	1061.1	1060.9	1060.8	1061.2	1062.3	1063.3	1064.3	1065.4	1064.3	1063.3	1062.3
177.5°	1063.8	1063.7	1063.6	1063.9	1064.8	1065.6	1066.4	1067.3	1066.4	1065.6	1064.8
180°	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1885.5	1876.7	1870.4	1857.7	1849.0	1845.2	1838.3	1836.3	1843.3	1838.3	1837.7
5°	1829.5	1806.6	1788.6	1770.4	1750.7	1738.2	1719.3	1716.1	1711.4	1704.2	1702.7
7.5°	1762.2	1732.5	1709.2	1679.3	1653.3	1632.3	1608.7	1597.5	1591.4	1582.3	1570.0
10°	1716.9	1681.4	1650.0	1620.0	1587.8	1561.9	1538.2	1520.0	1508.2	1497.2	1492.6
12.5°	1672.1	1636.1	1595.8	1559.6	1523.6	1494.4	1468.2	1456.5	1443.4	1430.5	1419.5
15°	1602.8	1554.7	1510.7	1468.9	1438.2	1406.7	1381.5	1364.2	1344.5	1339.1	1317.8
17.5°	1529.0	1482.0	1430.4	1386.4	1350.8	1316.2	1288.5	1268.8	1254.1	1233.8	1224.0
20°	1483.1	1427.2	1376.8	1336.7	1297.3	1256.4	1228.0	1211.5	1197.3	1180.8	1173.0
22.5°	1434.0	1379.4	1327.7	1280.6	1240.6	1200.3	1180.1	1163.1	1146.9	1131.7	1121.3
25°	1361.9	1306.8	1252.4	1203.7	1162.0	1132.8	1109.1	1089.4	1080.9	1065.9	1054.8
27.5°	1290.5	1231.9	1175.6	1126.9	1094.2	1065.4	1046.0	1030.5	1014.8	1001.8	992.2
30°	1244.6	1184.8	1123.4	1084.8	1050.2	1022.6	1001.3	986.3	974.5	962.7	955.6
32.5°	1198.6	1136.9	1082.4	1040.7	1007.9	984.1	962.3	948.0	935.5	922.4	914.1
35°	1124.9	1062.0	1017.8	976.9	944.6	922.6	907.7	887.2	877.0	867.5	858.8
37.5°	1056.4	997.8	950.2	914.2	886.3	864.3	845.0	833.9	821.3	812.8	805.7
40°	1006.0	952.5	909.2	871.4	851.0	826.6	808.5	794.3	784.9	773.9	766.0
42.5°	960.7	911.0	868.9	835.0	809.4	788.8	771.3	757.1	745.2	737.3	730.6
45°	896.7	847.1	806.1	774.6	751.0	731.3	713.2	706.1	690.3	681.0	677.8
47.5°	830.3	786.0	746.4	717.4	693.2	674.6	657.6	643.2	634.5	625.2	620.2
50°	785.7	743.2	706.1	677.8	654.2	633.7	617.9	608.5	596.7	588.0	581.8
52.5°	740.9	701.6	664.6	637.4	617.0	596.5	579.0	569.5	558.3	552.8	548.4
55°	677.0	635.3	603.8	577.0	555.7	536.8	520.4	510.9	503.8	498.3	496.8
57.5°	604.6	571.5	542.2	518.2	496.0	478.3	463.8	454.8	448.6	447.8	443.0
60°	557.3	527.5	500.7	474.6	455.8	439.3	426.7	416.5	410.1	409.3	407.8
62.5°	510.1	481.4	456.6	433.7	416.8	400.8	388.9	377.4	373.7	369.7	366.2
65°	440.0	414.0	393.6	375.5	357.4	344.0	332.2	325.1	316.5	311.7	303.1
67.5°	371.2	351.1	331.4	316.2	301.9	289.2	279.4	268.9	263.1	259.3	253.0
70°	325.9	310.1	290.4	274.0	263.0	252.7	244.8	233.0	229.0	225.9	222.8
72.5°	283.1	269.2	252.7	239.3	228.3	218.6	209.5	204.0	200.2	196.9	195.1
75°	222.8	209.4	195.2	185.8	177.9	170.1	165.3	161.4	159.8	159.1	155.8
77.5°	163.6	156.5	145.1	137.6	132.4	129.3	125.0	123.0	122.8	119.4	118.3
80°	125.1	121.2	111.8	108.7	104.7	101.6	99.2	95.2	91.3	89.8	87.4
82.5°	93.0	89.1	85.3	80.3	77.0	75.1	72.7	71.3	71.8	69.6	68.5
85°	49.6	45.6	44.1	43.3	41.7	43.3	42.5	41.7	40.9	40.2	40.9
87.5°	17.1	17.3	16.9	18.4	16.8	17.7	17.8	17.4	17.6	17.7	17.3
90°	6.4	7.7	9.0	10.2	11.4	12.6	13.5	14.4	15.2	16.2	16.9
92.5°	8.3	8.3	9.4	10.5	11.5	12.6	13.5	14.4	15.2	16.2	16.7
95°	42.9	39.3	32.6	26.0	19.3	12.6	13.5	14.4	15.2	16.2	16.6
97.5°	97.8	91.7	78.5	65.2	52.0	38.9	33.9	29.0	24.0	19.1	16.6
100°	134.0	134.6	135.3	136.0	136.7	137.4	111.3	85.1	59.0	32.8	19.4
102.5°	173.1	173.6	174.1	174.5	174.9	175.3	170.4	165.4	160.5	155.5	147.1
105°	235.0	235.3	235.3	235.3	235.3	235.3	235.3	235.3	235.3	235.3	235.3
107.5°	296.3	296.5	296.8	297.2	297.5	297.9	297.9	298.0	298.0	298.0	297.8
110°	338.0	338.2	338.5	338.9	339.2	339.6	339.1	338.5	338.0	337.5	337.3



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	378.9	379.2	379.4	379.6	379.8	380.0	379.4	378.7	378.0	377.4	376.9
115°	439.5	440.0	440.2	440.3	440.5	440.7	440.0	439.3	438.6	437.9	437.0
117.5°	496.7	497.0	497.6	498.3	499.0	499.6	498.7	497.8	496.9	495.9	495.2
120°	533.9	534.1	534.6	535.2	535.7	536.2	535.9	535.5	535.2	534.8	534.2
122.5°	570.8	571.3	571.5	571.8	572.0	572.3	571.9	571.6	571.2	570.9	570.2
125°	624.9	625.5	625.5	625.5	625.5	625.5	624.8	624.1	623.4	622.7	622.1
127.5°	672.9	673.3	673.2	673.1	673.0	672.9	672.5	672.1	671.8	671.4	670.4
130°	703.3	703.8	704.0	704.1	704.3	704.5	704.0	703.4	702.9	702.4	701.7
132.5°	734.2	734.5	734.1	733.7	733.3	732.9	732.8	732.7	732.6	732.5	732.0
135°	777.4	777.7	777.4	777.0	776.7	776.4	776.0	775.7	775.3	775.0	774.3
137.5°	816.5	816.8	816.5	816.2	815.9	815.5	815.6	815.7	815.7	815.8	815.4
140°	840.1	840.2	840.0	839.9	839.7	839.5	839.9	840.2	840.6	840.9	840.6
142.5°	862.9	863.1	863.4	863.6	863.9	864.1	864.2	864.3	864.3	864.4	863.9
145°	897.8	898.0	898.0	898.0	898.0	898.0	898.2	898.3	898.5	898.7	898.2
147.5°	926.1	926.1	926.3	926.6	926.9	927.1	927.3	927.5	927.7	927.9	927.4
150°	943.9	943.9	944.3	944.6	945.0	945.3	945.7	946.0	946.4	946.7	946.2
152.5°	960.6	960.4	960.7	961.1	961.4	961.8	962.1	962.5	962.8	963.2	962.7
155°	983.0	982.6	983.0	983.3	983.7	984.0	984.5	985.1	985.6	986.1	985.7
157.5°	1002.8	1002.5	1002.6	1002.6	1002.6	1002.7	1003.2	1003.8	1004.4	1004.9	1004.5
160°	1013.8	1013.4	1013.5	1013.7	1013.9	1014.0	1014.7	1015.4	1016.1	1016.8	1016.5
162.5°	1023.9	1023.5	1023.6	1023.8	1024.0	1024.2	1025.1	1026.1	1027.1	1028.0	1027.8
165°	1037.4	1037.0	1037.2	1037.4	1037.5	1037.7	1038.8	1039.9	1040.9	1042.0	1041.8
167.5°	1047.4	1047.0	1047.1	1047.3	1047.5	1047.7	1048.9	1050.3	1051.5	1052.8	1052.6
170°	1052.6	1052.1	1052.2	1052.4	1052.6	1052.8	1054.2	1055.5	1056.9	1058.3	1058.2
172.5°	1056.3	1055.9	1056.2	1056.5	1056.8	1057.1	1058.4	1059.7	1061.0	1062.3	1062.1
175°	1061.2	1060.8	1060.9	1061.1	1061.3	1061.5	1062.9	1064.2	1065.6	1067.0	1066.9
177.5°	1063.9	1063.6	1063.7	1063.8	1064.0	1064.1	1065.1	1066.1	1067.0	1068.0	1068.0
180°	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1837.0	1830.1	1828.2	1830.7	1828.2	1830.1	1837.0	1837.7	1838.3	1843.3	1836.3
5°	1694.9	1687.0	1690.9	1689.3	1690.9	1687.0	1694.9	1702.7	1704.2	1711.4	1716.1
7.5°	1569.8	1560.0	1549.6	1553.0	1549.6	1560.0	1569.8	1570.0	1582.3	1591.4	1597.5
10°	1482.3	1474.4	1469.7	1473.6	1469.7	1474.4	1482.3	1492.6	1497.2	1508.2	1520.0
12.5°	1408.7	1403.9	1399.8	1398.1	1399.8	1403.9	1408.7	1419.5	1430.5	1443.4	1456.5
15°	1308.3	1298.9	1294.9	1284.8	1294.9	1298.9	1308.3	1317.8	1339.1	1344.5	1364.2
17.5°	1215.9	1212.7	1202.5	1198.1	1202.5	1212.7	1215.9	1224.0	1233.8	1254.1	1268.8
20°	1161.1	1158.0	1147.7	1154.1	1147.7	1158.0	1161.1	1173.0	1180.8	1197.3	1211.5
22.5°	1115.8	1108.8	1105.5	1103.7	1105.5	1108.8	1115.8	1121.3	1131.7	1146.9	1163.1
25°	1051.7	1041.5	1037.5	1032.8	1037.5	1041.5	1051.7	1054.8	1065.9	1080.9	1089.4
27.5°	987.7	982.3	977.0	975.8	977.0	982.3	987.7	992.2	1001.8	1014.8	1030.5
30°	946.2	940.7	936.8	936.8	936.8	940.7	946.2	955.6	962.7	974.5	986.3
32.5°	909.1	904.8	900.9	900.3	900.9	904.8	909.1	914.1	922.4	935.5	948.0
35°	855.0	848.6	847.1	842.3	847.1	848.6	855.0	858.8	867.5	877.0	887.2
37.5°	798.7	793.5	793.3	792.8	793.3	793.5	798.7	805.7	812.8	821.3	833.9
40°	762.8	758.8	758.1	752.6	758.1	758.8	762.8	766.0	773.9	784.9	794.3
42.5°	724.4	722.4	719.6	717.3	719.6	722.4	724.4	730.6	737.3	745.2	757.1
45°	672.3	666.7	666.7	662.8	666.7	666.7	672.3	677.8	681.0	690.3	706.1
47.5°	618.4	614.2	614.6	610.6	614.6	614.2	618.4	620.2	625.2	634.5	643.2
50°	582.5	580.2	579.4	577.8	579.4	580.2	582.5	581.8	588.0	596.7	608.5
52.5°	546.6	545.5	548.6	545.0	548.6	545.5	546.6	548.4	552.8	558.3	569.5
55°	498.3	495.9	500.7	495.9	500.7	495.9	498.3	496.8	498.3	503.8	510.9
57.5°	442.7	440.5	444.7	442.4	444.7	440.5	442.7	443.0	447.8	448.6	454.8
60°	406.2	401.5	403.8	404.7	403.8	401.5	406.2	407.8	409.3	410.1	416.5
62.5°	362.7	359.9	361.6	358.0	361.6	359.9	362.7	366.2	369.7	373.7	377.4
65°	301.5	299.1	296.0	294.4	296.0	299.1	301.5	303.1	311.7	316.5	325.1
67.5°	253.3	247.6	247.5	248.7	247.5	247.6	253.3	253.0	259.3	263.1	268.9
70°	218.0	218.0	217.2	217.2	217.2	218.0	218.0	222.8	225.9	229.0	233.0
72.5°	193.5	192.9	191.5	190.9	191.5	192.9	193.5	195.1	196.9	200.2	204.0
75°	155.8	156.6	155.1	154.3	155.1	156.6	155.8	155.8	159.1	159.8	161.4
77.5°	115.1	111.8	113.5	111.8	113.5	111.8	115.1	118.3	119.4	122.8	123.0
80°	87.4	86.5	89.0	86.5	89.0	86.5	87.4	87.4	89.8	91.3	95.2
82.5°	69.1	68.4	69.5	67.7	69.5	68.4	69.1	68.5	69.6	71.8	71.3
85°	41.7	40.9	40.2	40.9	40.2	40.9	41.7	40.9	40.2	40.9	41.7
87.5°	18.0	17.5	17.6	17.7	17.6	17.5	18.0	17.3	17.7	17.6	17.4
90°	17.4	17.9	18.4	19.0	18.4	17.9	17.4	16.9	16.2	15.2	14.4
92.5°	17.0	17.2	17.5	17.7	17.5	17.2	17.0	16.7	16.2	15.2	14.4
95°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.2	15.2	14.4
97.5°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	19.1	24.0	29.0
100°	18.7	18.0	17.3	16.6	17.3	18.0	18.7	19.4	32.8	59.0	85.1
102.5°	135.1	123.2	111.3	99.4	111.3	123.2	135.1	147.1	155.5	160.5	165.4
105°	235.1	234.9	234.7	234.6	234.7	234.9	235.1	235.3	235.3	235.3	235.3
107.5°	297.3	296.7	296.2	295.7	296.2	296.7	297.3	297.8	298.0	298.0	298.0
110°	337.5	337.7	337.8	338.0	337.8	337.7	337.5	337.3	337.5	338.0	338.5



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	376.7	376.4	376.2	376.0	376.2	376.4	376.7	376.9	377.4	378.0	378.7
115°	436.0	434.8	433.8	432.8	433.8	434.8	436.0	437.0	437.9	438.6	439.3
117.5°	494.8	494.3	493.9	493.4	493.9	494.3	494.8	495.2	495.9	496.9	497.8
120°	533.3	532.5	531.6	530.7	531.6	532.5	533.3	534.2	534.8	535.2	535.5
122.5°	569.2	568.2	567.1	566.1	567.1	568.2	569.2	570.2	570.9	571.2	571.6
125°	621.6	621.0	620.5	620.0	620.5	621.0	621.6	622.1	622.7	623.4	624.1
127.5°	669.2	667.9	666.6	665.3	666.6	667.9	669.2	670.4	671.4	671.8	672.1
130°	700.7	699.9	699.0	698.1	699.0	699.9	700.7	701.7	702.4	702.9	703.4
132.5°	731.1	730.2	729.3	728.5	729.3	730.2	731.1	732.0	732.5	732.6	732.7
135°	773.2	772.1	771.0	770.0	771.0	772.1	773.2	774.3	775.0	775.3	775.7
137.5°	814.5	813.5	812.6	811.7	812.6	813.5	814.5	815.4	815.8	815.7	815.7
140°	839.5	838.5	837.4	836.4	837.4	838.5	839.5	840.6	840.9	840.6	840.2
142.5°	862.9	861.8	860.8	859.7	860.8	861.8	862.9	863.9	864.4	864.3	864.3
145°	897.2	896.2	895.0	894.0	895.0	896.2	897.2	898.2	898.7	898.5	898.3
147.5°	926.0	924.8	923.5	922.3	923.5	924.8	926.0	927.4	927.9	927.7	927.5
150°	944.8	943.4	942.0	940.6	942.0	943.4	944.8	946.2	946.7	946.4	946.0
152.5°	961.5	960.2	959.0	957.7	959.0	960.2	961.5	962.7	963.2	962.8	962.5
155°	984.3	982.9	981.5	980.1	981.5	982.9	984.3	985.7	986.1	985.6	985.1
157.5°	1003.1	1001.7	1000.3	998.9	1000.3	1001.7	1003.1	1004.5	1004.9	1004.4	1003.8
160°	1015.1	1013.7	1012.3	1010.9	1012.3	1013.7	1015.1	1016.5	1016.8	1016.1	1015.4
162.5°	1026.2	1024.7	1023.2	1021.7	1023.2	1024.7	1026.2	1027.8	1028.0	1027.1	1026.1
165°	1040.4	1038.9	1037.5	1036.1	1037.5	1038.9	1040.4	1041.8	1042.0	1040.9	1039.9
167.5°	1051.0	1049.5	1047.8	1046.3	1047.8	1049.5	1051.0	1052.6	1052.8	1051.5	1050.3
170°	1056.7	1055.1	1053.5	1052.0	1053.5	1055.1	1056.7	1058.2	1058.3	1056.9	1055.5
172.5°	1060.5	1058.9	1057.3	1055.7	1057.3	1058.9	1060.5	1062.1	1062.3	1061.0	1059.7
175°	1065.4	1063.8	1062.3	1060.7	1062.3	1063.8	1065.4	1066.9	1067.0	1065.6	1064.2
177.5°	1066.8	1065.7	1064.6	1063.5	1064.6	1065.7	1066.8	1068.0	1068.0	1067.0	1066.1
180°	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1838.3	1845.2	1849.0	1857.7	1870.4	1876.7	1885.5	1891.8	1900.7	1911.4	1920.2
5°	1719.3	1738.2	1750.7	1770.4	1788.6	1806.6	1829.5	1846.0	1868.0	1893.2	1912.9
7.5°	1608.7	1632.3	1653.3	1679.3	1709.2	1732.5	1762.2	1792.6	1827.0	1862.8	1896.5
10°	1538.2	1561.9	1587.8	1620.0	1650.0	1681.4	1716.9	1752.3	1795.6	1835.7	1881.4
12.5°	1468.2	1494.4	1523.6	1559.6	1595.8	1636.1	1672.1	1712.0	1758.5	1810.6	1859.4
15°	1381.5	1406.7	1438.2	1468.9	1510.7	1554.7	1602.8	1655.5	1707.5	1765.6	1826.3
17.5°	1288.5	1316.2	1350.8	1386.4	1430.4	1482.0	1529.0	1586.8	1645.3	1713.1	1784.4
20°	1228.0	1256.4	1297.3	1336.7	1376.8	1427.2	1483.1	1542.2	1604.3	1676.0	1755.4
22.5°	1180.1	1200.3	1240.6	1280.6	1327.7	1379.4	1434.0	1495.5	1563.4	1637.5	1720.8
25°	1109.1	1132.8	1162.0	1203.7	1252.4	1306.8	1361.9	1427.2	1501.2	1576.8	1665.7
27.5°	1046.0	1065.4	1094.2	1126.9	1175.6	1231.9	1290.5	1358.7	1434.6	1511.6	1605.1
30°	1001.3	1022.6	1050.2	1084.8	1123.4	1184.8	1244.6	1311.5	1388.7	1468.1	1564.2
32.5°	962.3	984.1	1007.9	1040.7	1082.4	1136.9	1198.6	1264.3	1342.6	1424.7	1518.2
35°	907.7	922.6	944.6	976.9	1017.8	1062.0	1124.9	1194.2	1270.5	1355.5	1449.3
37.5°	845.0	864.3	886.3	914.2	950.2	997.8	1056.4	1126.5	1197.3	1278.7	1364.2
40°	808.5	826.6	851.0	871.4	909.2	952.5	1006.0	1079.2	1150.1	1226.5	1304.4
42.5°	771.3	788.8	809.4	835.0	868.9	911.0	960.7	1028.9	1104.8	1176.7	1242.0
45°	713.2	731.3	751.0	774.6	806.1	847.1	896.7	958.8	1024.9	1091.1	1140.6
47.5°	657.6	674.6	693.2	717.4	746.4	786.0	830.3	885.2	949.5	1005.7	1041.2
50°	617.9	633.7	654.2	677.8	706.1	743.2	785.7	839.9	893.4	944.6	976.9
52.5°	579.0	596.5	617.0	637.4	664.6	701.6	740.9	787.7	838.7	880.4	907.1
55°	520.4	536.8	555.7	577.0	603.8	635.3	677.0	714.0	754.2	789.6	805.3
57.5°	463.8	478.3	496.0	518.2	542.2	571.5	604.6	640.2	668.5	693.6	711.3
60°	426.7	439.3	455.8	474.6	500.7	527.5	557.3	590.4	612.5	633.7	650.3
62.5°	388.9	400.8	416.8	433.7	456.6	481.4	510.1	536.8	558.3	572.6	591.7
65°	332.2	344.0	357.4	375.5	393.6	414.0	440.0	459.7	474.6	490.4	502.2
67.5°	279.4	289.2	301.9	316.2	331.4	351.1	371.2	387.6	397.9	407.3	421.5
70°	244.8	252.7	263.0	274.0	290.4	310.1	325.9	338.5	345.6	355.1	372.3
72.5°	209.5	218.6	228.3	239.3	252.7	269.2	283.1	295.7	300.2	307.8	318.8
75°	165.3	170.1	177.9	185.8	195.2	209.4	222.8	225.9	229.8	236.2	244.0
77.5°	125.0	129.3	132.4	137.6	145.1	156.5	163.6	168.3	169.3	171.6	179.4
80°	99.2	101.6	104.7	108.7	111.8	121.2	125.1	129.9	131.5	133.8	137.7
82.5°	72.7	75.1	77.0	80.3	85.3	89.1	93.0	97.8	98.1	99.8	100.6
85°	42.5	43.3	41.7	43.3	44.1	45.6	49.6	53.5	52.7	51.9	54.3
87.5°	17.8	17.7	16.8	18.4	16.9	17.3	17.1	17.4	18.4	19.3	20.3
90°	13.5	12.6	11.4	10.2	9.0	7.7	6.4	5.0	3.6	2.2	0.8
92.5°	13.5	12.6	11.5	10.5	9.4	8.3	8.3	9.2	10.2	11.2	12.1
95°	13.5	12.6	19.3	26.0	32.6	39.3	42.9	43.4	43.9	44.5	45.0
97.5°	33.9	38.9	52.0	65.2	78.5	91.7	97.8	96.8	95.8	94.9	94.0
100°	111.3	137.4	136.7	136.0	135.3	134.6	134.0	133.5	132.9	132.4	131.9
102.5°	170.4	175.3	174.9	174.5	174.1	173.6	173.1	172.4	171.8	171.1	170.5
105°	235.3	235.3	235.3	235.3	235.3	235.3	235.0	234.3	233.6	232.9	232.2
107.5°	297.9	297.9	297.5	297.2	296.8	296.5	296.3	296.3	296.3	296.3	296.3
110°	339.1	339.6	339.2	338.9	338.5	338.2	338.0	338.0	338.0	338.0	338.0



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	379.4	380.0	379.8	379.6	379.4	379.2	378.9	378.5	378.0	377.6	377.2
115°	440.0	440.7	440.5	440.3	440.2	440.0	439.5	438.6	437.7	436.9	436.0
117.5°	498.7	499.6	499.0	498.3	497.6	497.0	496.7	496.7	496.7	496.8	496.8
120°	535.9	536.2	535.7	535.2	534.6	534.1	533.9	534.1	534.3	534.5	534.6
122.5°	571.9	572.3	572.0	571.8	571.5	571.3	570.8	570.2	569.5	568.9	568.2
125°	624.8	625.5	625.5	625.5	625.5	625.5	624.9	623.7	622.4	621.2	620.0
127.5°	672.5	672.9	673.0	673.1	673.2	673.3	672.9	672.1	671.2	670.2	669.4
130°	704.0	704.5	704.3	704.1	704.0	703.8	703.3	702.4	701.5	700.6	699.7
132.5°	732.8	732.9	733.3	733.7	734.1	734.5	734.2	733.1	732.1	731.0	730.0
135°	776.0	776.4	776.7	777.0	777.4	777.7	777.4	776.4	775.3	774.3	773.2
137.5°	815.6	815.5	815.9	816.2	816.5	816.8	816.5	815.6	814.7	813.7	812.8
140°	839.9	839.5	839.7	839.9	840.0	840.2	840.1	839.8	839.4	839.1	838.7
142.5°	864.2	864.1	863.9	863.6	863.4	863.1	862.9	862.7	862.5	862.3	862.1
145°	898.2	898.0	898.0	898.0	898.0	898.0	897.8	897.5	897.1	896.8	896.4
147.5°	927.3	927.1	926.9	926.6	926.3	926.1	926.1	926.1	926.2	926.3	926.3
150°	945.7	945.3	945.0	944.6	944.3	943.9	943.9	944.3	944.6	945.0	945.3
152.5°	962.1	961.8	961.4	961.1	960.7	960.4	960.6	961.4	962.1	962.9	963.7
155°	984.5	984.0	983.7	983.3	983.0	982.6	983.0	984.0	985.1	986.1	987.2
157.5°	1003.2	1002.7	1002.6	1002.6	1002.6	1002.5	1002.8	1003.5	1004.1	1004.7	1005.3
160°	1014.7	1014.0	1013.9	1013.7	1013.5	1013.4	1013.8	1014.8	1015.9	1016.9	1018.0
162.5°	1025.1	1024.2	1024.0	1023.8	1023.6	1023.5	1023.9	1024.9	1026.0	1027.0	1028.1
165°	1038.8	1037.7	1037.5	1037.4	1037.2	1037.0	1037.4	1038.5	1039.6	1040.7	1041.7
167.5°	1048.9	1047.7	1047.5	1047.3	1047.1	1047.0	1047.4	1048.5	1049.7	1050.8	1051.8
170°	1054.2	1052.8	1052.6	1052.4	1052.2	1052.1	1052.6	1053.8	1055.0	1056.2	1057.5
172.5°	1058.4	1057.1	1056.8	1056.5	1056.2	1055.9	1056.3	1057.6	1058.8	1060.1	1061.3
175°	1062.9	1061.5	1061.3	1061.1	1060.9	1060.8	1061.2	1062.3	1063.3	1064.3	1065.4
177.5°	1065.1	1064.1	1064.0	1063.8	1063.7	1063.6	1063.9	1064.8	1065.6	1066.4	1067.3
180°	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1927.0	1932.8	1941.0	1950.4	1957.9	1966.1	1970.5	1970.5	1974.3	1982.5	1993.2
5°	1932.6	1953.1	1972.8	1997.9	2017.6	2040.4	2057.7	2074.3	2089.2	2108.1	2127.8
7.5°	1931.0	1965.0	2000.4	2040.1	2083.9	2118.7	2154.4	2182.4	2210.2	2246.3	2274.8
10°	1924.7	1968.8	2016.8	2067.2	2122.3	2170.3	2213.6	2253.0	2290.8	2330.2	2365.5
12.5°	1913.4	1969.4	2028.1	2088.6	2158.2	2213.1	2269.1	2310.9	2355.0	2398.1	2441.8
15°	1896.3	1962.5	2033.4	2117.6	2202.6	2264.0	2319.1	2373.4	2414.4	2463.2	2504.9
17.5°	1861.3	1946.4	2035.6	2127.7	2209.4	2280.7	2338.4	2390.1	2433.7	2487.4	2544.1
20°	1840.5	1932.6	2025.5	2123.8	2201.8	2275.0	2330.9	2384.4	2438.7	2508.8	2578.1
22.5°	1811.5	1910.0	2008.4	2101.8	2184.1	2254.8	2312.7	2378.1	2449.4	2529.0	2612.7
25°	1765.6	1867.2	1964.9	2053.8	2134.1	2206.6	2285.2	2373.4	2460.0	2564.8	2685.1
27.5°	1707.6	1805.5	1892.6	1986.6	2066.4	2158.5	2256.7	2352.3	2477.2	2621.2	2771.6
30°	1664.2	1757.1	1839.7	1928.6	2019.1	2120.7	2230.9	2343.5	2492.2	2661.5	2840.2
32.5°	1613.8	1697.9	1779.9	1865.6	1970.0	2081.6	2198.8	2336.5	2514.4	2706.8	2891.8
35°	1526.4	1601.9	1681.4	1776.8	1887.7	2008.9	2158.5	2326.2	2541.1	2748.1	2914.3
37.5°	1434.7	1494.4	1574.3	1674.7	1795.6	1935.9	2105.6	2309.4	2530.1	2715.8	2786.5
40°	1364.2	1420.1	1504.3	1609.8	1729.5	1883.0	2073.5	2282.9	2504.9	2633.9	2628.5
42.5°	1294.3	1350.8	1431.9	1538.0	1662.7	1834.5	2030.6	2248.3	2435.6	2484.8	2382.3
45°	1187.1	1239.8	1319.4	1426.4	1560.2	1740.5	1946.7	2155.4	2275.0	2195.5	1992.4
47.5°	1077.8	1129.0	1202.9	1307.7	1453.8	1642.4	1837.4	2008.6	2025.5	1854.6	1611.0
50°	1006.0	1054.1	1124.1	1235.9	1377.6	1561.9	1750.0	1884.6	1842.8	1634.3	1383.1
52.5°	936.1	982.3	1047.9	1153.4	1298.3	1478.6	1646.7	1752.3	1655.8	1434.0	1208.0
55°	832.8	877.0	943.1	1039.9	1171.3	1336.7	1483.9	1522.5	1380.8	1157.2	974.5
57.5°	734.8	767.1	832.4	918.1	1044.8	1190.5	1296.1	1289.1	1132.8	931.4	800.4
60°	669.9	699.0	761.2	839.9	960.4	1091.1	1165.1	1133.6	975.3	809.2	683.3
62.5°	609.5	636.7	688.8	761.2	864.6	978.4	1032.2	988.8	839.3	693.4	593.2
65°	518.0	537.7	579.4	646.3	727.4	806.1	854.1	790.3	658.1	547.9	472.3
67.5°	432.5	449.5	486.7	534.6	590.6	644.9	664.4	604.6	501.8	427.5	374.3
70°	377.1	392.8	418.0	462.9	499.9	538.5	547.9	494.3	408.6	351.8	318.8
72.5°	324.2	338.6	360.7	392.3	418.0	440.2	444.6	394.9	329.2	290.1	264.7
75°	247.2	259.7	274.0	285.8	302.3	306.2	304.7	266.1	230.7	204.7	190.5
77.5°	181.7	186.9	195.5	200.3	201.1	200.8	192.7	168.3	150.1	139.4	133.5
80°	140.2	144.1	146.4	147.9	148.8	140.9	132.3	117.2	111.0	104.7	97.7
82.5°	101.7	104.4	106.7	107.0	102.8	96.2	88.2	80.8	76.3	73.2	70.5
85°	55.1	55.8	55.1	51.2	45.6	43.3	41.7	40.2	39.4	38.6	38.6
87.5°	20.0	18.4	15.5	16.4	16.7	16.3	16.6	16.2	15.8	16.0	16.1
90°	2.2	3.6	5.0	6.4	7.7	9.0	10.2	11.4	12.6	13.5	14.4
92.5°	11.2	10.2	9.2	8.3	8.3	9.4	10.5	11.5	12.6	13.5	14.4
95°	44.5	43.9	43.4	42.9	39.3	32.6	26.0	19.3	12.6	13.5	14.4
97.5°	94.9	95.8	96.8	97.8	91.7	78.5	65.2	52.0	38.9	33.9	29.0
100°	132.4	132.9	133.5	134.0	134.6	135.3	136.0	136.7	137.4	111.3	85.1
102.5°	171.1	171.8	172.4	173.1	173.6	174.1	174.5	174.9	175.3	170.4	165.4
105°	232.9	233.6	234.3	235.0	235.3	235.3	235.3	235.3	235.3	235.3	235.3
107.5°	296.3	296.3	296.3	296.3	296.5	296.8	297.2	297.5	297.9	297.9	298.0
110°	338.0	338.0	338.0	338.0	338.2	338.5	338.9	339.2	339.6	339.1	338.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	377.6	378.0	378.5	378.9	379.2	379.4	379.6	379.8	380.0	379.4	378.7
115°	436.9	437.7	438.6	439.5	440.0	440.2	440.3	440.5	440.7	440.0	439.3
117.5°	496.8	496.7	496.7	496.7	497.0	497.6	498.3	499.0	499.6	498.7	497.8
120°	534.5	534.3	534.1	533.9	534.1	534.6	535.2	535.7	536.2	535.9	535.5
122.5°	568.9	569.5	570.2	570.8	571.3	571.5	571.8	572.0	572.3	571.9	571.6
125°	621.2	622.4	623.7	624.9	625.5	625.5	625.5	625.5	625.5	624.8	624.1
127.5°	670.2	671.2	672.1	672.9	673.3	673.2	673.1	673.0	672.9	672.5	672.1
130°	700.6	701.5	702.4	703.3	703.8	704.0	704.1	704.3	704.5	704.0	703.4
132.5°	731.0	732.1	733.1	734.2	734.5	734.1	733.7	733.3	732.9	732.8	732.7
135°	774.3	775.3	776.4	777.4	777.7	777.4	777.0	776.7	776.4	776.0	775.7
137.5°	813.7	814.7	815.6	816.5	816.8	816.5	816.2	815.9	815.5	815.6	815.7
140°	839.1	839.4	839.8	840.1	840.2	840.0	839.9	839.7	839.5	839.9	840.2
142.5°	862.3	862.5	862.7	862.9	863.1	863.4	863.6	863.9	864.1	864.2	864.3
145°	896.8	897.1	897.5	897.8	898.0	898.0	898.0	898.0	898.0	898.2	898.3
147.5°	926.3	926.2	926.1	926.1	926.1	926.3	926.6	926.9	927.1	927.3	927.5
150°	945.0	944.6	944.3	943.9	943.9	944.3	944.6	945.0	945.3	945.7	946.0
152.5°	962.9	962.1	961.4	960.6	960.4	960.7	961.1	961.4	961.8	962.1	962.5
155°	986.1	985.1	984.0	983.0	982.6	983.0	983.3	983.7	984.0	984.5	985.1
157.5°	1004.7	1004.1	1003.5	1002.8	1002.5	1002.6	1002.6	1002.6	1002.7	1003.2	1003.8
160°	1016.9	1015.9	1014.8	1013.8	1013.4	1013.5	1013.7	1013.9	1014.0	1014.7	1015.4
162.5°	1027.0	1026.0	1024.9	1023.9	1023.5	1023.6	1023.8	1024.0	1024.2	1025.1	1026.1
165°	1040.7	1039.6	1038.5	1037.4	1037.0	1037.2	1037.4	1037.5	1037.7	1038.8	1039.9
167.5°	1050.8	1049.7	1048.5	1047.4	1047.0	1047.1	1047.3	1047.5	1047.7	1048.9	1050.3
170°	1056.2	1055.0	1053.8	1052.6	1052.1	1052.2	1052.4	1052.6	1052.8	1054.2	1055.5
172.5°	1060.1	1058.8	1057.6	1056.3	1055.9	1056.2	1056.5	1056.8	1057.1	1058.4	1059.7
175°	1064.3	1063.3	1062.3	1061.2	1060.8	1060.9	1061.1	1061.3	1061.5	1062.9	1064.2
177.5°	1066.4	1065.6	1064.8	1063.9	1063.6	1063.7	1063.8	1064.0	1064.1	1065.1	1066.1
180°	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	2001.4	2001.4	2012.1	2011.4	2018.4	2015.9	2017.1
5°	2151.4	2164.8	2176.7	2184.4	2196.3	2199.5	2197.9
7.5°	2306.9	2336.7	2351.2	2371.1	2374.7	2385.1	2384.0
10°	2403.4	2432.5	2454.5	2471.8	2480.4	2491.5	2492.2
12.5°	2478.9	2503.7	2523.1	2539.2	2549.7	2553.2	2555.3
15°	2537.9	2565.5	2588.3	2611.1	2624.5	2634.7	2640.3
17.5°	2597.5	2640.0	2680.3	2711.3	2729.9	2745.6	2745.4
20°	2643.4	2692.2	2742.6	2778.0	2814.3	2829.9	2832.4
22.5°	2692.5	2767.1	2832.1	2887.0	2934.6	2950.9	2957.1
25°	2794.6	2892.2	2992.1	3069.3	3124.4	3156.6	3161.4
27.5°	2917.8	3049.9	3155.1	3226.3	3272.1	3296.0	3301.2
30°	3004.8	3126.7	3221.3	3274.8	3296.0	3299.1	3287.3
32.5°	3043.8	3134.9	3172.7	3169.6	3127.9	3100.2	3089.6
35°	2996.1	2977.2	2885.1	2774.9	2690.7	2637.2	2622.9
37.5°	2726.5	2563.6	2394.2	2227.7	2139.0	2094.0	2016.5
40°	2460.8	2228.6	2052.2	1912.1	1812.1	1731.8	1712.9
42.5°	2161.0	1921.3	1744.9	1625.0	1545.1	1490.1	1466.1
45°	1736.6	1530.3	1384.7	1292.6	1231.2	1191.0	1173.0
47.5°	1389.0	1229.3	1123.2	1055.0	1008.2	973.3	963.5
50°	1198.1	1070.6	980.9	923.4	888.0	861.2	850.2
52.5°	1040.7	937.8	868.8	821.3	787.8	771.1	762.0
55°	858.8	769.9	720.3	682.5	663.6	650.3	643.9
57.5°	702.4	638.1	601.9	575.7	558.3	549.8	546.6
60°	614.8	564.4	531.4	510.9	499.1	488.1	484.9
62.5°	537.3	497.7	472.2	454.2	442.4	437.7	435.8
65°	432.9	407.0	388.1	377.1	367.6	366.1	365.3
67.5°	344.2	328.9	319.0	307.5	304.2	298.6	297.6
70°	294.4	284.2	272.4	268.4	264.5	259.0	259.7
72.5°	249.7	239.4	231.5	226.2	224.8	222.5	224.5
75°	182.6	179.5	176.3	172.4	170.9	170.9	170.1
77.5°	130.4	127.6	124.2	121.9	121.4	118.1	119.4
80°	94.4	90.5	89.0	89.8	87.4	86.5	86.5
82.5°	69.9	68.5	67.0	67.1	66.6	65.8	66.4
85°	38.6	37.8	37.8	37.0	37.0	36.3	36.3
87.5°	16.9	17.7	16.6	16.1	16.2	16.9	17.7
90°	15.2	16.2	16.9	17.4	17.9	18.4	19.0
92.5°	15.2	16.2	16.7	17.0	17.2	17.5	17.7
95°	15.2	16.2	16.6	16.6	16.6	16.6	16.6
97.5°	24.0	19.1	16.6	16.6	16.6	16.6	16.6
100°	59.0	32.8	19.4	18.7	18.0	17.3	16.6
102.5°	160.5	155.5	147.1	135.1	123.2	111.3	99.4
105°	235.3	235.3	235.3	235.1	234.9	234.7	234.6
107.5°	298.0	298.0	297.8	297.3	296.7	296.2	295.7
110°	338.0	337.5	337.3	337.5	337.7	337.8	338.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	378.0	377.4	376.9	376.7	376.4	376.2	376.0
115°	438.6	437.9	437.0	436.0	434.8	433.8	432.8
117.5°	496.9	495.9	495.2	494.8	494.3	493.9	493.4
120°	535.2	534.8	534.2	533.3	532.5	531.6	530.7
122.5°	571.2	570.9	570.2	569.2	568.2	567.1	566.1
125°	623.4	622.7	622.1	621.6	621.0	620.5	620.0
127.5°	671.8	671.4	670.4	669.2	667.9	666.6	665.3
130°	702.9	702.4	701.7	700.7	699.9	699.0	698.1
132.5°	732.6	732.5	732.0	731.1	730.2	729.3	728.5
135°	775.3	775.0	774.3	773.2	772.1	771.0	770.0
137.5°	815.7	815.8	815.4	814.5	813.5	812.6	811.7
140°	840.6	840.9	840.6	839.5	838.5	837.4	836.4
142.5°	864.3	864.4	863.9	862.9	861.8	860.8	859.7
145°	898.5	898.7	898.2	897.2	896.2	895.0	894.0
147.5°	927.7	927.9	927.4	926.0	924.8	923.5	922.3
150°	946.4	946.7	946.2	944.8	943.4	942.0	940.6
152.5°	962.8	963.2	962.7	961.5	960.2	959.0	957.7
155°	985.6	986.1	985.7	984.3	982.9	981.5	980.1
157.5°	1004.4	1004.9	1004.5	1003.1	1001.7	1000.3	998.9
160°	1016.1	1016.8	1016.5	1015.1	1013.7	1012.3	1010.9
162.5°	1027.1	1028.0	1027.8	1026.2	1024.7	1023.2	1021.7
165°	1040.9	1042.0	1041.8	1040.4	1038.9	1037.5	1036.1
167.5°	1051.5	1052.8	1052.6	1051.0	1049.5	1047.8	1046.3
170°	1056.9	1058.3	1058.2	1056.7	1055.1	1053.5	1052.0
172.5°	1061.0	1062.3	1062.1	1060.5	1058.9	1057.3	1055.7
175°	1065.6	1067.0	1066.9	1065.4	1063.8	1062.3	1060.7
177.5°	1067.0	1068.0	1068.0	1066.8	1065.7	1064.6	1063.5
180°	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4

(END OF REPORT)