

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: P333628-840

Luminaire Tested: **S125RDIP-S1270D1035U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333628-840  
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-S1270D1035U840-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1035 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9148.1 lumens  
Efficiency: N/A  
Efficacy: 136.9 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse

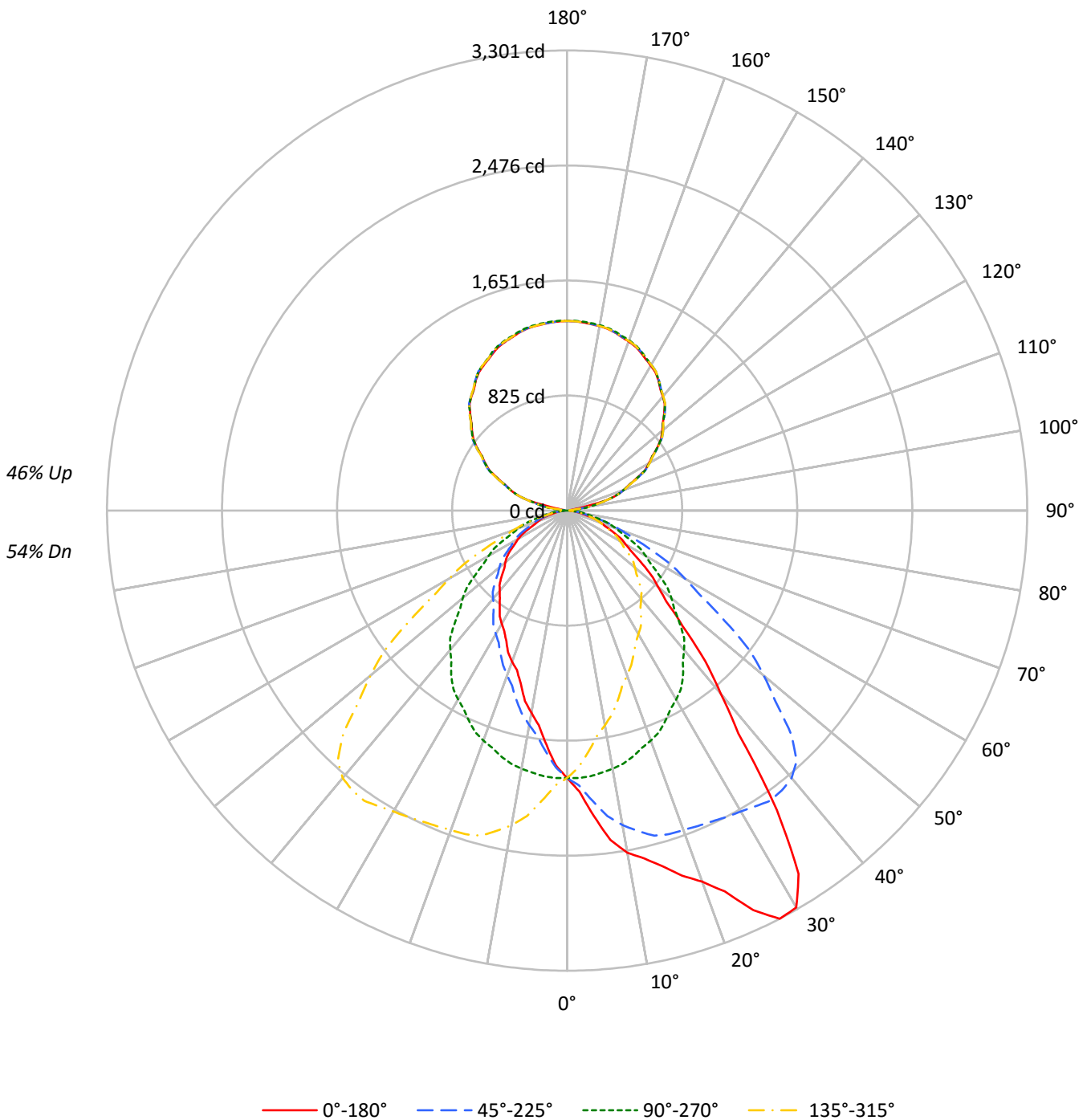
Input Watts (W): 66.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	91	88	92	88	85	82	76	74	71	64	63	61	54	53	52	47
2	91	84	78	73	84	78	73	68	67	63	60	57	54	52	48	46	44	40
3	83	74	67	61	77	69	63	57	59	55	51	51	47	44	43	40	38	34
4	76	66	58	52	70	61	54	49	53	48	44	46	41	38	38	36	33	30
5	70	59	51	45	65	55	48	42	48	42	38	41	37	33	35	32	29	26
6	65	53	45	39	60	49	42	37	43	37	33	37	33	29	32	28	26	23
7	60	48	40	34	55	45	38	33	39	33	29	34	29	26	29	25	23	20
8	55	43	36	30	51	41	34	29	36	30	26	31	27	23	27	23	21	18
9	52	40	32	27	48	37	30	26	33	27	23	29	24	21	25	21	19	16
10	48	36	29	24	45	34	28	23	30	25	21	26	22	19	23	19	17	15

**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	2.0
10°-20°	538.9	5.9
20°-30°	854.5	9.3
30°-40°	1030.4	11.3
40°-50°	920.2	10.1
50°-60°	705.7	7.7
60°-70°	458.6	5.0
70°-80°	223.0	2.4
80°-90°	56.1	0.6
90°-100°	49.4	0.5
100°-110°	304.6	3.3
110°-120°	552.5	6.0
120°-130°	709.1	7.8
130°-140°	762.7	8.3
140°-150°	715.9	7.8
150°-160°	579.1	6.3
160°-170°	374.5	4.1
170°-180°	129.2	1.4
0°-30°	1577.3	17.2
0°-40°	2607.7	28.5
0°-60°	4233.5	46.3
0°-90°	4971.1	54.3
90°-120°	906.6	9.9
90°-150°	3094.2	33.8
90°-180°	4177.0	45.7
0°-180°	9148.1	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°	24	1	24	1	24	12
95°	21	58	21	58	21	18
105°	299	296	299	296	299	271
115°	553	557	553	557	553	549
125°	792	792	792	792	792	704
135°	983	987	983	987	983	759
145°	1142	1144	1142	1144	1142	713
155°	1251	1260	1251	1260	1251	577
165°	1323	1330	1323	1330	1323	373
175°	1354	1360	1354	1360	1354	129
180°	1360	1360	1360	1360	1360	



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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°	18.7	18.0	17.2	17.1	17.6	18.6	17.8	16.9	16.7	16.5	16.8
90°	24.2	23.5	22.8	22.2	21.5	20.6	19.5	18.4	17.3	16.2	14.5
92.5°	22.6	22.3	21.9	21.6	21.3	20.6	19.5	18.4	17.3	16.2	14.7
95°	21.2	21.2	21.2	21.2	21.2	20.6	19.5	18.4	17.3	16.2	24.6
97.5°	21.2	21.2	21.2	21.2	21.2	24.3	30.7	37.0	43.3	49.6	66.4
100°	21.2	22.1	22.9	23.8	24.7	41.9	75.3	108.7	142.1	175.4	174.5
102.5°	126.8	142.1	157.3	172.6	187.8	198.5	204.9	211.2	217.5	223.9	223.3
105°	299.4	299.7	299.9	300.1	300.3	300.4	300.4	300.4	300.4	300.4	300.4
107.5°	377.5	378.2	378.9	379.5	380.2	380.5	380.5	380.4	380.4	380.3	379.9
110°	431.5	431.3	431.1	430.9	430.7	430.9	431.5	432.2	432.9	433.5	433.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	480.0	480.3	480.6	480.9	481.2	481.8	482.6	483.5	484.3	485.2	484.9
115°	552.6	553.9	555.2	556.6	558.0	559.1	560.0	560.9	561.8	562.6	562.4
117.5°	630.0	630.6	631.2	631.8	632.3	633.2	634.4	635.5	636.7	637.8	637.0
120°	677.6	678.7	679.8	681.0	682.1	682.9	683.3	683.8	684.2	684.7	684.0
122.5°	722.8	724.1	725.4	726.7	727.9	728.8	729.3	729.7	730.1	730.6	730.3
125°	791.5	792.2	792.8	793.6	794.3	795.0	795.9	796.8	797.7	798.6	798.6
127.5°	849.4	851.1	852.7	854.3	856.1	857.1	857.6	858.1	858.6	859.1	859.2
130°	891.3	892.5	893.6	894.7	895.9	896.8	897.4	898.1	898.8	899.4	899.2
132.5°	930.1	931.2	932.3	933.4	934.5	935.1	935.3	935.4	935.5	935.7	936.2
135°	983.1	984.4	985.8	987.1	988.5	989.4	989.9	990.3	990.7	991.2	991.6
137.5°	1036.3	1037.5	1038.6	1039.9	1041.0	1041.6	1041.5	1041.4	1041.3	1041.2	1041.6
140°	1067.8	1069.1	1070.5	1071.9	1073.2	1073.6	1073.2	1072.8	1072.3	1071.9	1072.1
142.5°	1097.6	1099.0	1100.3	1101.7	1103.1	1103.7	1103.6	1103.5	1103.4	1103.3	1103.0
145°	1141.5	1142.8	1144.1	1145.5	1146.8	1147.3	1147.1	1146.9	1146.7	1146.5	1146.5
147.5°	1177.5	1179.1	1180.7	1182.3	1184.0	1184.7	1184.4	1184.1	1183.9	1183.6	1183.3
150°	1200.9	1202.6	1204.5	1206.3	1208.1	1208.7	1208.3	1207.9	1207.4	1207.0	1206.5
152.5°	1222.6	1224.3	1225.9	1227.5	1229.1	1229.7	1229.3	1228.8	1228.4	1227.9	1227.5
155°	1251.3	1253.1	1254.9	1256.7	1258.5	1259.1	1258.4	1257.7	1257.1	1256.4	1255.9
157.5°	1275.4	1277.1	1278.9	1280.7	1282.5	1283.0	1282.3	1281.6	1280.9	1280.2	1280.1
160°	1290.6	1292.4	1294.2	1296.1	1297.8	1298.3	1297.4	1296.5	1295.6	1294.6	1294.4
162.5°	1304.3	1306.4	1308.3	1310.3	1312.2	1312.6	1311.3	1310.1	1308.9	1307.6	1307.4
165°	1322.9	1324.7	1326.5	1328.3	1330.1	1330.3	1329.0	1327.6	1326.3	1324.9	1324.7
167.5°	1335.8	1337.9	1339.9	1341.9	1343.9	1344.1	1342.5	1340.9	1339.3	1337.7	1337.4
170°	1343.1	1345.1	1347.2	1349.1	1351.1	1351.3	1349.5	1347.7	1345.8	1344.1	1343.8
172.5°	1348.0	1349.9	1351.9	1353.9	1355.9	1356.1	1354.5	1352.9	1351.3	1349.7	1349.3
175°	1354.1	1356.1	1358.2	1360.2	1362.2	1362.3	1360.6	1358.8	1357.0	1355.1	1354.9
177.5°	1357.8	1359.3	1360.7	1362.1	1363.5	1363.6	1362.4	1361.1	1359.9	1358.6	1358.5
180°	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2



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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°	17.1	16.8	17.1	16.8	15.8	18.6	20.1	20.4	19.5	18.6	17.7
90°	13.0	11.4	9.9	8.2	6.4	4.5	2.8	1.0	2.8	4.5	6.4
92.5°	13.3	11.9	10.6	10.5	11.7	13.0	14.2	15.6	14.2	13.0	11.7
95°	33.1	41.7	50.2	54.8	55.4	56.1	56.8	57.5	56.8	56.1	55.4
97.5°	83.3	100.2	117.0	124.8	123.6	122.4	121.2	120.0	121.2	122.4	123.6
100°	173.7	172.8	171.9	171.1	170.4	169.8	169.1	168.3	169.1	169.8	170.4
102.5°	222.8	222.3	221.7	221.0	220.2	219.3	218.4	217.6	218.4	219.3	220.2
105°	300.4	300.4	300.4	300.0	299.1	298.2	297.3	296.4	297.3	298.2	299.1
107.5°	379.4	379.0	378.5	378.3	378.3	378.3	378.3	378.3	378.3	378.3	378.3
110°	432.7	432.2	431.8	431.5	431.5	431.5	431.5	431.5	431.5	431.5	431.5





TEST NUMBER: P333628-840

CATALOG NUMBER: S125RDIP-S1270D1035U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	484.6	484.4	484.1	483.7	483.2	482.6	482.1	481.6	482.1	482.6	483.2
115°	562.2	562.0	561.8	561.1	560.0	558.9	557.7	556.6	557.7	558.9	560.0
117.5°	636.1	635.3	634.5	634.1	634.1	634.1	634.2	634.2	634.2	634.1	634.1
120°	683.3	682.7	682.0	681.8	682.0	682.2	682.4	682.7	682.4	682.2	682.0
122.5°	730.0	729.7	729.3	728.8	727.9	727.1	726.2	725.4	726.2	727.1	727.9
125°	798.6	798.6	798.6	797.8	796.3	794.7	793.0	791.5	793.0	794.7	796.3
127.5°	859.4	859.5	859.6	859.1	858.0	856.9	855.8	854.6	855.8	856.9	858.0
130°	899.0	898.8	898.5	897.9	896.8	895.6	894.5	893.3	894.5	895.6	896.8
132.5°	936.8	937.2	937.7	937.3	935.9	934.7	933.4	932.1	933.4	934.7	935.9
135°	992.1	992.5	993.0	992.5	991.2	989.9	988.5	987.1	988.5	989.9	991.2
137.5°	1042.0	1042.4	1042.8	1042.4	1041.3	1040.1	1038.9	1037.7	1038.9	1040.1	1041.3
140°	1072.3	1072.5	1072.8	1072.6	1072.2	1071.8	1071.3	1070.9	1071.3	1071.8	1072.2
142.5°	1102.7	1102.4	1102.1	1101.8	1101.5	1101.3	1101.0	1100.7	1101.0	1101.3	1101.5
145°	1146.5	1146.5	1146.5	1146.2	1145.8	1145.3	1144.9	1144.5	1144.9	1145.3	1145.8
147.5°	1183.1	1182.8	1182.5	1182.3	1182.5	1182.6	1182.7	1182.8	1182.7	1182.6	1182.5
150°	1206.1	1205.6	1205.2	1205.2	1205.6	1206.1	1206.5	1207.0	1206.5	1206.1	1205.6
152.5°	1227.0	1226.6	1226.2	1226.4	1227.4	1228.4	1229.4	1230.3	1229.4	1228.4	1227.4
155°	1255.5	1255.1	1254.6	1255.1	1256.4	1257.7	1259.1	1260.4	1259.1	1257.7	1256.4
157.5°	1280.1	1280.0	1280.0	1280.4	1281.2	1282.0	1282.7	1283.5	1282.7	1282.0	1281.2
160°	1294.2	1294.0	1293.7	1294.3	1295.7	1297.1	1298.4	1299.7	1298.4	1297.1	1295.7
162.5°	1307.2	1306.9	1306.7	1307.3	1308.6	1309.9	1311.3	1312.6	1311.3	1309.9	1308.6
165°	1324.4	1324.2	1324.0	1324.6	1326.0	1327.3	1328.6	1330.0	1328.6	1327.3	1326.0
167.5°	1337.2	1337.0	1336.8	1337.4	1338.7	1340.1	1341.5	1342.9	1341.5	1340.1	1338.7
170°	1343.6	1343.4	1343.2	1343.8	1345.4	1347.0	1348.6	1350.1	1348.6	1347.0	1345.4
172.5°	1348.9	1348.5	1348.2	1348.7	1350.3	1351.8	1353.4	1354.9	1353.4	1351.8	1350.3
175°	1354.7	1354.5	1354.3	1354.8	1356.1	1357.6	1358.9	1360.2	1358.9	1357.6	1356.1
177.5°	1358.3	1358.1	1357.9	1358.4	1359.4	1360.5	1361.6	1362.6	1361.6	1360.5	1359.4
180°	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2



TEST NUMBER: P333628-840

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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°	17.4	17.7	17.4	19.0	17.4	18.4	18.6	18.2	18.4	18.6	18.2
90°	8.2	9.9	11.4	13.0	14.5	16.2	17.3	18.4	19.5	20.6	21.5
92.5°	10.5	10.6	11.9	13.3	14.7	16.2	17.3	18.4	19.5	20.6	21.3
95°	54.8	50.2	41.7	33.1	24.6	16.2	17.3	18.4	19.5	20.6	21.2
97.5°	124.8	117.0	100.2	83.3	66.4	49.6	43.3	37.0	30.7	24.3	21.2
100°	171.1	171.9	172.8	173.7	174.5	175.4	142.1	108.7	75.3	41.9	24.7
102.5°	221.0	221.7	222.3	222.8	223.3	223.9	217.5	211.2	204.9	198.5	187.8
105°	300.0	300.4	300.4	300.4	300.4	300.4	300.4	300.4	300.4	300.4	300.3
107.5°	378.3	378.5	379.0	379.4	379.9	380.3	380.4	380.4	380.5	380.5	380.2
110°	431.5	431.8	432.2	432.7	433.1	433.5	432.9	432.2	431.5	430.9	430.7



TEST NUMBER: P333628-840

CATALOG NUMBER: S125RDIP-S1270D1035U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	483.7	484.1	484.4	484.6	484.9	485.2	484.3	483.5	482.6	481.8	481.2
115°	561.1	561.8	562.0	562.2	562.4	562.6	561.8	560.9	560.0	559.1	558.0
117.5°	634.1	634.5	635.3	636.1	637.0	637.8	636.7	635.5	634.4	633.2	632.3
120°	681.8	682.0	682.7	683.3	684.0	684.7	684.2	683.8	683.3	682.9	682.1
122.5°	728.8	729.3	729.7	730.0	730.3	730.6	730.1	729.7	729.3	728.8	727.9
125°	797.8	798.6	798.6	798.6	798.6	798.6	797.7	796.8	795.9	795.0	794.3
127.5°	859.1	859.6	859.5	859.4	859.2	859.1	858.6	858.1	857.6	857.1	856.1
130°	897.9	898.5	898.8	899.0	899.2	899.4	898.8	898.1	897.4	896.8	895.9
132.5°	937.3	937.7	937.2	936.8	936.2	935.7	935.5	935.4	935.3	935.1	934.5
135°	992.5	993.0	992.5	992.1	991.6	991.2	990.7	990.3	989.9	989.4	988.5
137.5°	1042.4	1042.8	1042.4	1042.0	1041.6	1041.2	1041.3	1041.4	1041.5	1041.6	1041.0
140°	1072.6	1072.8	1072.5	1072.3	1072.1	1071.9	1072.3	1072.8	1073.2	1073.6	1073.2
142.5°	1101.8	1102.1	1102.4	1102.7	1103.0	1103.3	1103.4	1103.5	1103.6	1103.7	1103.1
145°	1146.2	1146.5	1146.5	1146.5	1146.5	1146.5	1146.7	1146.9	1147.1	1147.3	1146.8
147.5°	1182.3	1182.5	1182.8	1183.1	1183.3	1183.6	1183.9	1184.1	1184.4	1184.7	1184.0
150°	1205.2	1205.2	1205.6	1206.1	1206.5	1207.0	1207.4	1207.9	1208.3	1208.7	1208.1
152.5°	1226.4	1226.2	1226.6	1227.0	1227.5	1227.9	1228.4	1228.8	1229.3	1229.7	1229.1
155°	1255.1	1254.6	1255.1	1255.5	1255.9	1256.4	1257.1	1257.7	1258.4	1259.1	1258.5
157.5°	1280.4	1280.0	1280.0	1280.1	1280.1	1280.2	1280.9	1281.6	1282.3	1283.0	1282.5
160°	1294.3	1293.7	1294.0	1294.2	1294.4	1294.6	1295.6	1296.5	1297.4	1298.3	1297.8
162.5°	1307.3	1306.7	1306.9	1307.2	1307.4	1307.6	1308.9	1310.1	1311.3	1312.6	1312.2
165°	1324.6	1324.0	1324.2	1324.4	1324.7	1324.9	1326.3	1327.6	1329.0	1330.3	1330.1
167.5°	1337.4	1336.8	1337.0	1337.2	1337.4	1337.7	1339.3	1340.9	1342.5	1344.1	1343.9
170°	1343.8	1343.2	1343.4	1343.6	1343.8	1344.1	1345.8	1347.7	1349.5	1351.3	1351.1
172.5°	1348.7	1348.2	1348.5	1348.9	1349.3	1349.7	1351.3	1352.9	1354.5	1356.1	1355.9
175°	1354.8	1354.3	1354.5	1354.7	1354.9	1355.1	1357.0	1358.8	1360.6	1362.3	1362.2
177.5°	1358.4	1357.9	1358.1	1358.3	1358.5	1358.6	1359.9	1361.1	1362.4	1363.6	1363.5
180°	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2



TEST NUMBER: P333628-840

CATALOG NUMBER: S125RDIP-S1270D1035U840-4F0-1E-UDD-A

**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°	18.9	18.4	18.6	18.7	18.6	18.4	18.9	18.2	18.6	18.4	18.2
90°	22.2	22.8	23.5	24.2	23.5	22.8	22.2	21.5	20.6	19.5	18.4
92.5°	21.6	21.9	22.3	22.6	22.3	21.9	21.6	21.3	20.6	19.5	18.4
95°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	20.6	19.5	18.4
97.5°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	24.3	30.7	37.0
100°	23.8	22.9	22.1	21.2	22.1	22.9	23.8	24.7	41.9	75.3	108.7
102.5°	172.6	157.3	142.1	126.8	142.1	157.3	172.6	187.8	198.5	204.9	211.2
105°	300.1	299.9	299.7	299.4	299.7	299.9	300.1	300.3	300.4	300.4	300.4
107.5°	379.5	378.9	378.2	377.5	378.2	378.9	379.5	380.2	380.5	380.5	380.4
110°	430.9	431.1	431.3	431.5	431.3	431.1	430.9	430.7	430.9	431.5	432.2



TEST NUMBER: P333628-840

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	480.9	480.6	480.3	480.0	480.3	480.6	480.9	481.2	481.8	482.6	483.5
115°	556.6	555.2	553.9	552.6	553.9	555.2	556.6	558.0	559.1	560.0	560.9
117.5°	631.8	631.2	630.6	630.0	630.6	631.2	631.8	632.3	633.2	634.4	635.5
120°	681.0	679.8	678.7	677.6	678.7	679.8	681.0	682.1	682.9	683.3	683.8
122.5°	726.7	725.4	724.1	722.8	724.1	725.4	726.7	727.9	728.8	729.3	729.7
125°	793.6	792.8	792.2	791.5	792.2	792.8	793.6	794.3	795.0	795.9	796.8
127.5°	854.3	852.7	851.1	849.4	851.1	852.7	854.3	856.1	857.1	857.6	858.1
130°	894.7	893.6	892.5	891.3	892.5	893.6	894.7	895.9	896.8	897.4	898.1
132.5°	933.4	932.3	931.2	930.1	931.2	932.3	933.4	934.5	935.1	935.3	935.4
135°	987.1	985.8	984.4	983.1	984.4	985.8	987.1	988.5	989.4	989.9	990.3
137.5°	1039.9	1038.6	1037.5	1036.3	1037.5	1038.6	1039.9	1041.0	1041.6	1041.5	1041.4
140°	1071.9	1070.5	1069.1	1067.8	1069.1	1070.5	1071.9	1073.2	1073.6	1073.2	1072.8
142.5°	1101.7	1100.3	1099.0	1097.6	1099.0	1100.3	1101.7	1103.1	1103.7	1103.6	1103.5
145°	1145.5	1144.1	1142.8	1141.5	1142.8	1144.1	1145.5	1146.8	1147.3	1147.1	1146.9
147.5°	1182.3	1180.7	1179.1	1177.5	1179.1	1180.7	1182.3	1184.0	1184.7	1184.4	1184.1
150°	1206.3	1204.5	1202.6	1200.9	1202.6	1204.5	1206.3	1208.1	1208.7	1208.3	1207.9
152.5°	1227.5	1225.9	1224.3	1222.6	1224.3	1225.9	1227.5	1229.1	1229.7	1229.3	1228.8
155°	1256.7	1254.9	1253.1	1251.3	1253.1	1254.9	1256.7	1258.5	1259.1	1258.4	1257.7
157.5°	1280.7	1278.9	1277.1	1275.4	1277.1	1278.9	1280.7	1282.5	1283.0	1282.3	1281.6
160°	1296.1	1294.2	1292.4	1290.6	1292.4	1294.2	1296.1	1297.8	1298.3	1297.4	1296.5
162.5°	1310.3	1308.3	1306.4	1304.3	1306.4	1308.3	1310.3	1312.2	1312.6	1311.3	1310.1
165°	1328.3	1326.5	1324.7	1322.9	1324.7	1326.5	1328.3	1330.1	1330.3	1329.0	1327.6
167.5°	1341.9	1339.9	1337.9	1335.8	1337.9	1339.9	1341.9	1343.9	1344.1	1342.5	1340.9
170°	1349.1	1347.2	1345.1	1343.1	1345.1	1347.2	1349.1	1351.1	1351.3	1349.5	1347.7
172.5°	1353.9	1351.9	1349.9	1348.0	1349.9	1351.9	1353.9	1355.9	1356.1	1354.5	1352.9
175°	1360.2	1358.2	1356.1	1354.1	1356.1	1358.2	1360.2	1362.2	1362.3	1360.6	1358.8
177.5°	1362.1	1360.7	1359.3	1357.8	1359.3	1360.7	1362.1	1363.5	1363.6	1362.4	1361.1
180°	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2



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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°	18.6	18.4	17.4	19.0	17.4	17.7	17.4	17.7	18.6	19.5	20.4
90°	17.3	16.2	14.5	13.0	11.4	9.9	8.2	6.4	4.5	2.8	1.0
92.5°	17.3	16.2	14.7	13.3	11.9	10.6	10.5	11.7	13.0	14.2	15.6
95°	17.3	16.2	24.6	33.1	41.7	50.2	54.8	55.4	56.1	56.8	57.5
97.5°	43.3	49.6	66.4	83.3	100.2	117.0	124.8	123.6	122.4	121.2	120.0
100°	142.1	175.4	174.5	173.7	172.8	171.9	171.1	170.4	169.8	169.1	168.3
102.5°	217.5	223.9	223.3	222.8	222.3	221.7	221.0	220.2	219.3	218.4	217.6
105°	300.4	300.4	300.4	300.4	300.4	300.4	300.0	299.1	298.2	297.3	296.4
107.5°	380.4	380.3	379.9	379.4	379.0	378.5	378.3	378.3	378.3	378.3	378.3
110°	432.9	433.5	433.1	432.7	432.2	431.8	431.5	431.5	431.5	431.5	431.5



TEST NUMBER: P333628-840

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	484.3	485.2	484.9	484.6	484.4	484.1	483.7	483.2	482.6	482.1	481.6
115°	561.8	562.6	562.4	562.2	562.0	561.8	561.1	560.0	558.9	557.7	556.6
117.5°	636.7	637.8	637.0	636.1	635.3	634.5	634.1	634.1	634.1	634.2	634.2
120°	684.2	684.7	684.0	683.3	682.7	682.0	681.8	682.0	682.2	682.4	682.7
122.5°	730.1	730.6	730.3	730.0	729.7	729.3	728.8	727.9	727.1	726.2	725.4
125°	797.7	798.6	798.6	798.6	798.6	798.6	797.8	796.3	794.7	793.0	791.5
127.5°	858.6	859.1	859.2	859.4	859.5	859.6	859.1	858.0	856.9	855.8	854.6
130°	898.8	899.4	899.2	899.0	898.8	898.5	897.9	896.8	895.6	894.5	893.3
132.5°	935.5	935.7	936.2	936.8	937.2	937.7	937.3	935.9	934.7	933.4	932.1
135°	990.7	991.2	991.6	992.1	992.5	993.0	992.5	991.2	989.9	988.5	987.1
137.5°	1041.3	1041.2	1041.6	1042.0	1042.4	1042.8	1042.4	1041.3	1040.1	1038.9	1037.7
140°	1072.3	1071.9	1072.1	1072.3	1072.5	1072.8	1072.6	1072.2	1071.8	1071.3	1070.9
142.5°	1103.4	1103.3	1103.0	1102.7	1102.4	1102.1	1101.8	1101.5	1101.3	1101.0	1100.7
145°	1146.7	1146.5	1146.5	1146.5	1146.5	1146.5	1146.2	1145.8	1145.3	1144.9	1144.5
147.5°	1183.9	1183.6	1183.3	1183.1	1182.8	1182.5	1182.3	1182.5	1182.6	1182.7	1182.8
150°	1207.4	1207.0	1206.5	1206.1	1205.6	1205.2	1205.2	1205.6	1206.1	1206.5	1207.0
152.5°	1228.4	1227.9	1227.5	1227.0	1226.6	1226.2	1226.4	1227.4	1228.4	1229.4	1230.3
155°	1257.1	1256.4	1255.9	1255.5	1255.1	1254.6	1255.1	1256.4	1257.7	1259.1	1260.4
157.5°	1280.9	1280.2	1280.1	1280.1	1280.0	1280.0	1280.4	1281.2	1282.0	1282.7	1283.5
160°	1295.6	1294.6	1294.4	1294.2	1294.0	1293.7	1294.3	1295.7	1297.1	1298.4	1299.7
162.5°	1308.9	1307.6	1307.4	1307.2	1306.9	1306.7	1307.3	1308.6	1309.9	1311.3	1312.6
165°	1326.3	1324.9	1324.7	1324.4	1324.2	1324.0	1324.6	1326.0	1327.3	1328.6	1330.0
167.5°	1339.3	1337.7	1337.4	1337.2	1337.0	1336.8	1337.4	1338.7	1340.1	1341.5	1342.9
170°	1345.8	1344.1	1343.8	1343.6	1343.4	1343.2	1343.8	1345.4	1347.0	1348.6	1350.1
172.5°	1351.3	1349.7	1349.3	1348.9	1348.5	1348.2	1348.7	1350.3	1351.8	1353.4	1354.9
175°	1357.0	1355.1	1354.9	1354.7	1354.5	1354.3	1354.8	1356.1	1357.6	1358.9	1360.2
177.5°	1359.9	1358.6	1358.5	1358.3	1358.1	1357.9	1358.4	1359.4	1360.5	1361.6	1362.6
180°	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2



TEST NUMBER: P333628-840

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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°	20.1	18.6	15.8	16.8	17.1	16.8	17.1	16.8	16.5	16.7	16.9
90°	2.8	4.5	6.4	8.2	9.9	11.4	13.0	14.5	16.2	17.3	18.4
92.5°	14.2	13.0	11.7	10.5	10.6	11.9	13.3	14.7	16.2	17.3	18.4
95°	56.8	56.1	55.4	54.8	50.2	41.7	33.1	24.6	16.2	17.3	18.4
97.5°	121.2	122.4	123.6	124.8	117.0	100.2	83.3	66.4	49.6	43.3	37.0
100°	169.1	169.8	170.4	171.1	171.9	172.8	173.7	174.5	175.4	142.1	108.7
102.5°	218.4	219.3	220.2	221.0	221.7	222.3	222.8	223.3	223.9	217.5	211.2
105°	297.3	298.2	299.1	300.0	300.4	300.4	300.4	300.4	300.4	300.4	300.4
107.5°	378.3	378.3	378.3	378.3	378.5	379.0	379.4	379.9	380.3	380.4	380.4
110°	431.5	431.5	431.5	431.5	431.8	432.2	432.7	433.1	433.5	432.9	432.2





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	482.1	482.6	483.2	483.7	484.1	484.4	484.6	484.9	485.2	484.3	483.5
115°	557.7	558.9	560.0	561.1	561.8	562.0	562.2	562.4	562.6	561.8	560.9
117.5°	634.2	634.1	634.1	634.1	634.5	635.3	636.1	637.0	637.8	636.7	635.5
120°	682.4	682.2	682.0	681.8	682.0	682.7	683.3	684.0	684.7	684.2	683.8
122.5°	726.2	727.1	727.9	728.8	729.3	729.7	730.0	730.3	730.6	730.1	729.7
125°	793.0	794.7	796.3	797.8	798.6	798.6	798.6	798.6	798.6	797.7	796.8
127.5°	855.8	856.9	858.0	859.1	859.6	859.5	859.4	859.2	859.1	858.6	858.1
130°	894.5	895.6	896.8	897.9	898.5	898.8	899.0	899.2	899.4	898.8	898.1
132.5°	933.4	934.7	935.9	937.3	937.7	937.2	936.8	936.2	935.7	935.5	935.4
135°	988.5	989.9	991.2	992.5	993.0	992.5	992.1	991.6	991.2	990.7	990.3
137.5°	1038.9	1040.1	1041.3	1042.4	1042.8	1042.4	1042.0	1041.6	1041.2	1041.3	1041.4
140°	1071.3	1071.8	1072.2	1072.6	1072.8	1072.5	1072.3	1072.1	1071.9	1072.3	1072.8
142.5°	1101.0	1101.3	1101.5	1101.8	1102.1	1102.4	1102.7	1103.0	1103.3	1103.4	1103.5
145°	1144.9	1145.3	1145.8	1146.2	1146.5	1146.5	1146.5	1146.5	1146.5	1146.7	1146.9
147.5°	1182.7	1182.6	1182.5	1182.3	1182.5	1182.8	1183.1	1183.3	1183.6	1183.9	1184.1
150°	1206.5	1206.1	1205.6	1205.2	1205.2	1205.6	1206.1	1206.5	1207.0	1207.4	1207.9
152.5°	1229.4	1228.4	1227.4	1226.4	1226.2	1226.6	1227.0	1227.5	1227.9	1228.4	1228.8
155°	1259.1	1257.7	1256.4	1255.1	1254.6	1255.1	1255.5	1255.9	1256.4	1257.1	1257.7
157.5°	1282.7	1282.0	1281.2	1280.4	1280.0	1280.0	1280.1	1280.1	1280.2	1280.9	1281.6
160°	1298.4	1297.1	1295.7	1294.3	1293.7	1294.0	1294.2	1294.4	1294.6	1295.6	1296.5
162.5°	1311.3	1309.9	1308.6	1307.3	1306.7	1306.9	1307.2	1307.4	1307.6	1308.9	1310.1
165°	1328.6	1327.3	1326.0	1324.6	1324.0	1324.2	1324.4	1324.7	1324.9	1326.3	1327.6
167.5°	1341.5	1340.1	1338.7	1337.4	1336.8	1337.0	1337.2	1337.4	1337.7	1339.3	1340.9
170°	1348.6	1347.0	1345.4	1343.8	1343.2	1343.4	1343.6	1343.8	1344.1	1345.8	1347.7
172.5°	1353.4	1351.8	1350.3	1348.7	1348.2	1348.5	1348.9	1349.3	1349.7	1351.3	1352.9
175°	1358.9	1357.6	1356.1	1354.8	1354.3	1354.5	1354.7	1354.9	1355.1	1357.0	1358.8
177.5°	1361.6	1360.5	1359.4	1358.4	1357.9	1358.1	1358.3	1358.5	1358.6	1359.9	1361.1
180°	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2



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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°	17.8	18.6	17.6	17.1	17.2	18.0	18.7
90°	19.5	20.6	21.5	22.2	22.8	23.5	24.2
92.5°	19.5	20.6	21.3	21.6	21.9	22.3	22.6
95°	19.5	20.6	21.2	21.2	21.2	21.2	21.2
97.5°	30.7	24.3	21.2	21.2	21.2	21.2	21.2
100°	75.3	41.9	24.7	23.8	22.9	22.1	21.2
102.5°	204.9	198.5	187.8	172.6	157.3	142.1	126.8
105°	300.4	300.4	300.3	300.1	299.9	299.7	299.4
107.5°	380.5	380.5	380.2	379.5	378.9	378.2	377.5
110°	431.5	430.9	430.7	430.9	431.1	431.3	431.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	482.6	481.8	481.2	480.9	480.6	480.3	480.0
115°	560.0	559.1	558.0	556.6	555.2	553.9	552.6
117.5°	634.4	633.2	632.3	631.8	631.2	630.6	630.0
120°	683.3	682.9	682.1	681.0	679.8	678.7	677.6
122.5°	729.3	728.8	727.9	726.7	725.4	724.1	722.8
125°	795.9	795.0	794.3	793.6	792.8	792.2	791.5
127.5°	857.6	857.1	856.1	854.3	852.7	851.1	849.4
130°	897.4	896.8	895.9	894.7	893.6	892.5	891.3
132.5°	935.3	935.1	934.5	933.4	932.3	931.2	930.1
135°	989.9	989.4	988.5	987.1	985.8	984.4	983.1
137.5°	1041.5	1041.6	1041.0	1039.9	1038.6	1037.5	1036.3
140°	1073.2	1073.6	1073.2	1071.9	1070.5	1069.1	1067.8
142.5°	1103.6	1103.7	1103.1	1101.7	1100.3	1099.0	1097.6
145°	1147.1	1147.3	1146.8	1145.5	1144.1	1142.8	1141.5
147.5°	1184.4	1184.7	1184.0	1182.3	1180.7	1179.1	1177.5
150°	1208.3	1208.7	1208.1	1206.3	1204.5	1202.6	1200.9
152.5°	1229.3	1229.7	1229.1	1227.5	1225.9	1224.3	1222.6
155°	1258.4	1259.1	1258.5	1256.7	1254.9	1253.1	1251.3
157.5°	1282.3	1283.0	1282.5	1280.7	1278.9	1277.1	1275.4
160°	1297.4	1298.3	1297.8	1296.1	1294.2	1292.4	1290.6
162.5°	1311.3	1312.6	1312.2	1310.3	1308.3	1306.4	1304.3
165°	1329.0	1330.3	1330.1	1328.3	1326.5	1324.7	1322.9
167.5°	1342.5	1344.1	1343.9	1341.9	1339.9	1337.9	1335.8
170°	1349.5	1351.3	1351.1	1349.1	1347.2	1345.1	1343.1
172.5°	1354.5	1356.1	1355.9	1353.9	1351.9	1349.9	1348.0
175°	1360.6	1362.3	1362.2	1360.2	1358.2	1356.1	1354.1
177.5°	1362.4	1363.6	1363.5	1362.1	1360.7	1359.3	1357.8
180°	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2	1360.2

(END OF REPORT)