

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: P333479-930

Luminaire Tested: **S125DIW-S1270D1340U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333479-930  
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-S1270D1340U930-4F0-1E-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: 8020.3 lumens  
Efficiency: N/A  
Efficacy: 105.3 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

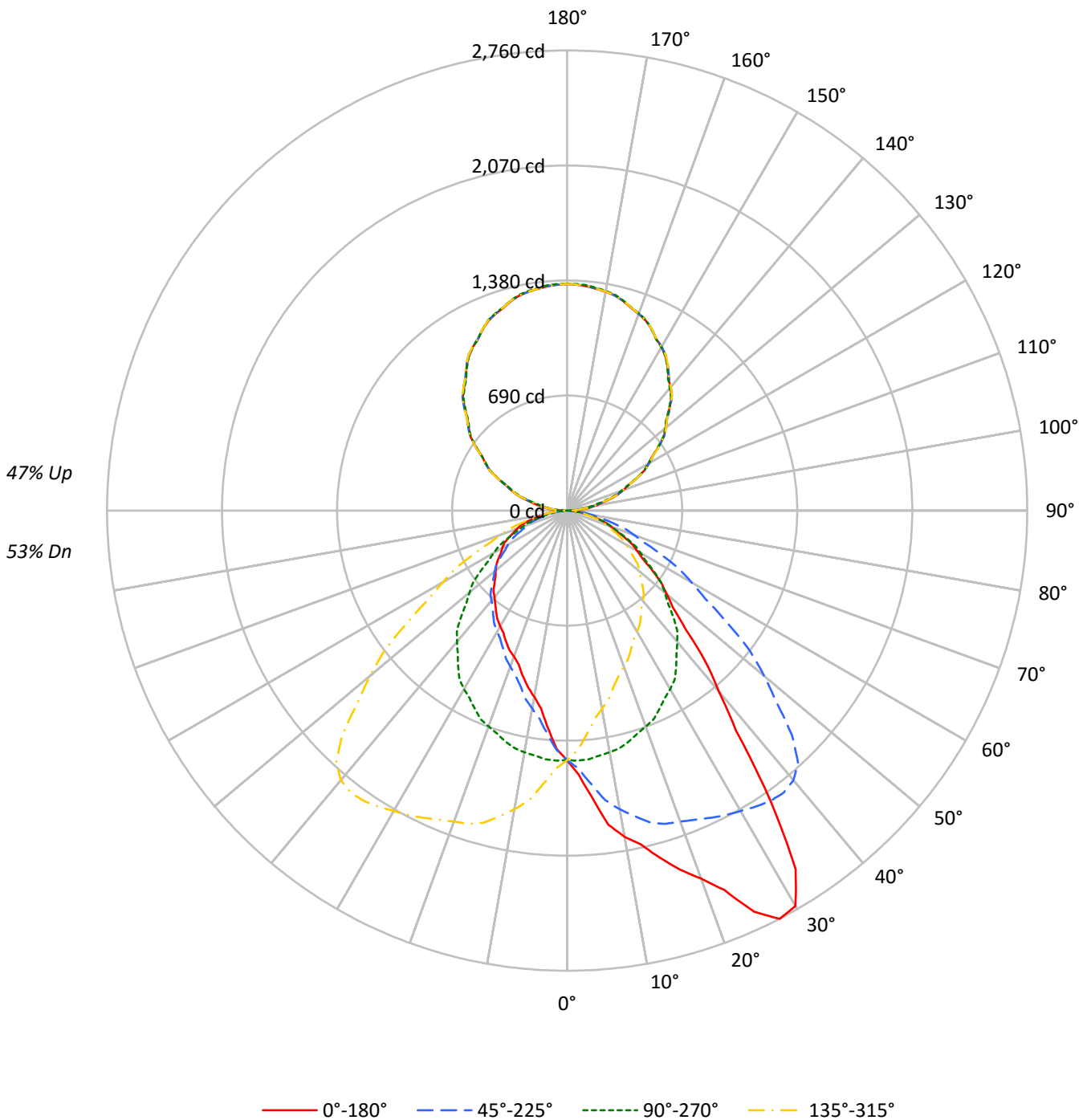
Input Watts (W): 76.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	9671	9671	9671	9671
5°	11199	9703	8496	9703
10°	13029	9653	7444	9653
15°	14422	9582	6867	9582
20°	16144	9470	6403	9470
25°	18912	9344	6178	9344
30°	20427	9219	5982	9219
35°	16796	8984	5852	8984
40°	11938	8658	5712	8658
45°	9171	8219	5630	8219
50°	7829	7675	5620	7675
55°	6971	7142	5668	7142
60°	6288	6559	5813	6559
65°	5809	5974	5963	5974
70°	5280	5365	6048	5365
75°	4664	4726	5996	4726
80°	3924	3853	5482	3853
85°	3105	2779	4431	2779



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.2	1.8
10°-20°	429.2	5.4
20°-30°	696.9	8.7
30°-40°	850.1	10.6
40°-50°	773.3	9.6
50°-60°	616.0	7.7
60°-70°	429.0	5.3
70°-80°	228.8	2.9
80°-90°	60.7	0.8
90°-100°	91.0	1.1
100°-110°	268.8	3.4
110°-120°	455.3	5.7
120°-130°	599.1	7.5
130°-140°	671.4	8.4
140°-150°	658.0	8.2
150°-160°	552.7	6.9
160°-170°	367.4	4.6
170°-180°	128.6	1.6
0°-30°	1270.2	15.8
0°-40°	2120.3	26.4
0°-60°	3509.7	43.8
0°-90°	4228.2	52.7
90°-120°	815.1	10.2
90°-150°	2743.6	34.2
90°-180°	3792.0	47.3
0°-180°	8020.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1497	1497	1497	1497	1497	
5°	1727	1497	1310	1497	1727	174
15°	2157	1433	1027	1433	2157	617
25°	2654	1311	867	1311	2654	1212
35°	2130	1140	742	1140	2130	1304
45°	1004	900	616	900	1004	804
55°	619	634	503	634	619	558
65°	380	391	390	391	380	377
75°	187	189	240	189	187	201
85°	42	38	60	38	42	49
90°	25	1	25	1	25	16
95°	91	69	91	69	91	93
105°	262	241	262	241	262	278
115°	460	456	460	456	460	455
125°	669	665	669	665	669	598
135°	868	865	868	865	868	670
145°	1052	1048	1052	1048	1052	657
155°	1199	1199	1199	1199	1199	552
165°	1301	1304	1301	1304	1301	367
175°	1350	1356	1350	1356	1350	128
180°	1359	1359	1359	1359	1359	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1583.8	1581.8	1579.7	1575.6	1578.7	1570.0	1565.9	1558.9	1550.2	1547.2	1543.6
5°	1727.4	1730.6	1733.7	1720.4	1721.7	1712.8	1692.5	1675.9	1662.6	1645.4	1633.4
7.5°	1900.3	1892.8	1892.1	1883.5	1868.7	1856.7	1835.3	1808.1	1781.8	1751.8	1727.0
10°	1986.7	1987.4	1981.7	1971.5	1955.6	1944.2	1916.2	1889.5	1857.1	1818.9	1791.6
12.5°	2051.8	2054.5	2047.2	2033.5	2025.7	2000.1	1978.2	1946.4	1907.9	1877.4	1835.8
15°	2157.0	2150.0	2145.0	2127.8	2114.5	2087.7	2052.8	2019.7	1977.8	1939.0	1900.3
17.5°	2258.5	2264.1	2254.5	2238.9	2197.5	2166.3	2119.5	2074.1	2021.9	1969.9	1923.7
20°	2349.0	2354.1	2339.4	2312.1	2262.5	2231.4	2169.8	2111.3	2050.9	1984.2	1933.3
22.5°	2461.9	2457.8	2438.1	2396.5	2353.5	2296.0	2229.3	2158.0	2082.4	2007.0	1939.4
25°	2654.0	2627.3	2615.2	2563.8	2507.2	2422.7	2331.2	2226.9	2132.9	2033.1	1946.7
27.5°	2760.5	2752.1	2738.7	2702.9	2643.4	2552.9	2445.1	2318.1	2185.4	2059.4	1946.3
30°	2739.2	2740.5	2741.8	2730.3	2692.2	2624.1	2516.7	2380.1	2222.5	2080.8	1949.9
32.5°	2550.1	2573.2	2595.3	2621.5	2632.2	2619.1	2551.8	2428.5	2266.2	2105.2	1947.8
35°	2130.4	2137.3	2209.1	2280.3	2376.9	2451.9	2502.2	2447.4	2310.8	2125.9	1945.4
37.5°	1661.1	1695.4	1745.1	1825.5	1965.0	2089.8	2250.3	2324.2	2280.1	2132.7	1941.0
40°	1416.0	1447.8	1480.2	1562.2	1679.8	1831.0	2013.4	2169.1	2205.3	2111.3	1925.7
42.5°	1226.9	1252.1	1288.0	1349.6	1447.9	1581.8	1756.2	1959.7	2084.8	2049.3	1893.7
45°	1004.1	1020.0	1048.0	1097.0	1168.2	1273.0	1426.8	1649.3	1843.1	1907.2	1817.6
47.5°	859.5	859.4	881.1	914.9	966.3	1055.4	1169.1	1343.5	1550.5	1703.6	1696.6
50°	779.2	776.0	793.1	822.4	863.1	922.2	1030.9	1170.0	1369.0	1542.5	1590.7
52.5°	710.0	710.4	721.0	742.6	776.7	827.1	908.3	1033.8	1203.7	1381.8	1472.8
55°	619.1	616.4	628.5	643.2	668.0	701.0	759.5	855.4	993.4	1168.7	1286.9
57.5°	535.7	542.7	547.5	557.7	578.2	600.3	649.6	720.1	829.5	980.0	1105.0
60°	486.8	493.8	497.7	507.8	524.3	543.4	581.6	638.7	730.9	860.5	984.5
62.5°	443.1	448.6	449.8	459.0	472.5	491.1	521.1	569.1	641.9	755.3	876.7
65°	380.1	380.1	382.6	392.2	398.5	415.0	437.9	472.9	531.3	619.6	723.3
67.5°	319.3	322.4	321.7	325.9	331.7	344.6	361.0	389.9	433.2	497.7	580.5
70°	279.6	282.2	281.5	284.7	291.1	299.4	312.7	340.0	371.1	426.5	497.7
72.5°	244.0	245.1	243.4	247.6	251.4	258.7	273.5	288.1	317.2	363.9	422.4
75°	186.9	188.1	189.4	191.9	195.8	199.6	207.2	221.8	240.8	275.8	313.3
77.5°	140.1	137.6	140.7	140.3	142.5	145.4	152.1	159.9	175.5	197.6	226.7
80°	105.5	106.2	106.2	106.8	110.0	111.9	117.6	123.3	135.3	151.9	172.3
82.5°	77.0	78.7	77.7	78.8	81.4	82.8	86.0	90.7	97.8	110.7	125.5
85°	41.9	38.8	40.0	41.3	41.3	41.9	44.5	46.4	50.2	55.3	61.0
87.5°	17.3	18.2	18.5	18.3	18.8	18.6	20.4	20.1	21.4	22.7	24.4
90°	25.4	24.7	24.0	23.2	22.6	21.6	20.5	19.2	18.1	17.0	15.2
92.5°	49.9	49.4	48.9	48.3	47.9	46.8	45.2	43.7	42.2	40.6	38.6
95°	91.0	90.5	90.0	89.5	89.0	88.1	86.3	84.7	83.1	81.4	79.1
97.5°	137.9	137.6	137.4	137.1	136.8	135.8	134.3	132.7	131.2	129.6	126.5
100°	173.4	173.0	172.5	172.0	171.5	170.2	168.1	166.1	164.0	161.8	158.7
102.5°	209.0	208.3	207.7	207.0	206.4	204.9	202.5	200.2	198.0	195.7	194.1
105°	262.3	261.5	260.9	260.2	259.4	258.4	257.0	255.6	254.2	252.7	251.4
107.5°	316.8	316.9	316.9	317.0	317.1	316.7	316.0	315.3	314.6	313.9	312.8
110°	357.4	357.7	357.9	358.2	358.4	358.2	357.4	356.8	356.0	355.3	354.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	397.2	397.6	398.1	398.5	398.9	398.9	398.6	398.3	397.9	397.6	396.7
115°	460.1	460.3	460.5	460.7	461.0	461.2	461.5	461.7	461.9	462.2	461.7
117.5°	521.4	522.4	523.3	524.2	525.1	525.5	525.3	525.1	525.0	524.8	524.3
120°	563.7	564.6	565.6	566.5	567.4	567.9	567.9	567.9	567.9	567.9	567.7
122.5°	606.0	606.7	607.5	608.2	609.0	609.4	609.7	609.8	610.0	610.3	609.6
125°	669.4	669.7	669.9	670.2	670.4	670.7	671.2	671.6	672.1	672.6	672.4
127.5°	730.3	730.8	731.3	731.8	732.2	732.6	732.8	733.0	733.3	733.5	733.3
130°	770.9	771.4	771.9	772.4	772.8	773.2	773.5	773.6	773.9	774.1	773.6
132.5°	809.0	809.7	810.3	811.1	811.7	812.1	812.4	812.6	812.9	813.1	813.2
135°	868.3	869.2	870.2	871.1	872.0	872.5	872.5	872.5	872.5	872.5	872.3
137.5°	926.3	927.4	928.5	929.8	930.9	931.4	931.1	930.8	930.5	930.3	929.8
140°	963.4	964.7	965.8	966.9	968.2	968.5	968.0	967.6	967.1	966.6	965.9
142.5°	999.0	1000.1	1001.4	1002.5	1003.7	1004.1	1003.9	1003.6	1003.3	1003.0	1002.1
145°	1052.3	1053.0	1053.7	1054.4	1055.1	1055.5	1055.5	1055.5	1055.5	1055.5	1054.8
147.5°	1097.8	1099.3	1101.0	1102.5	1104.2	1104.6	1104.1	1103.5	1103.0	1102.4	1101.9
150°	1131.6	1132.0	1132.5	1133.0	1133.5	1133.8	1133.8	1133.8	1133.8	1133.8	1132.8
152.5°	1159.5	1160.3	1161.2	1162.0	1162.9	1163.0	1162.5	1161.9	1161.4	1160.8	1160.4
155°	1199.3	1200.4	1201.7	1202.8	1204.0	1204.1	1203.1	1202.2	1201.3	1200.4	1200.1
157.5°	1232.5	1234.0	1235.6	1237.1	1238.7	1239.0	1238.0	1237.1	1236.2	1235.3	1235.0
160°	1255.3	1256.5	1257.7	1258.9	1260.0	1260.1	1259.2	1258.3	1257.4	1256.4	1256.1
162.5°	1274.8	1276.2	1277.5	1278.9	1280.3	1280.3	1279.2	1278.1	1277.0	1275.9	1275.8
165°	1300.8	1302.2	1303.7	1305.0	1306.4	1306.7	1305.8	1304.8	1303.9	1302.9	1302.7
167.5°	1321.5	1323.0	1324.5	1325.9	1327.4	1327.4	1326.0	1324.6	1323.1	1321.8	1321.8
170°	1332.5	1334.2	1335.9	1337.5	1339.1	1339.2	1337.8	1336.4	1335.1	1333.6	1333.6
172.5°	1341.8	1343.3	1344.8	1346.2	1347.7	1347.7	1346.3	1344.9	1343.5	1342.1	1342.1
175°	1350.5	1352.2	1353.8	1355.4	1357.1	1357.2	1355.8	1354.4	1353.0	1351.6	1351.6
177.5°	1355.6	1356.9	1358.2	1359.5	1360.9	1361.0	1359.8	1358.7	1357.6	1356.4	1356.7
180°	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1540.6	1537.0	1532.9	1525.8	1517.2	1512.6	1505.5	1500.9	1491.8	1484.1	1476.0
5°	1618.7	1602.2	1587.0	1567.2	1545.6	1531.6	1515.2	1496.7	1477.6	1457.9	1436.3
7.5°	1699.7	1670.5	1638.7	1604.5	1571.1	1540.3	1510.9	1482.1	1455.1	1422.6	1395.1
10°	1754.1	1717.3	1677.8	1631.4	1586.3	1546.9	1506.8	1471.9	1436.3	1398.2	1364.5
12.5°	1808.5	1759.4	1703.7	1652.8	1598.6	1550.9	1503.8	1459.2	1414.5	1372.2	1333.0
15°	1846.9	1803.7	1752.2	1679.8	1618.7	1553.3	1491.0	1433.1	1379.2	1332.1	1282.5
17.5°	1872.2	1816.5	1761.2	1691.7	1611.8	1538.6	1467.9	1401.7	1340.8	1281.2	1233.5
20°	1876.7	1819.6	1761.7	1693.7	1611.8	1527.9	1457.3	1377.9	1312.4	1250.8	1192.3
22.5°	1875.3	1810.4	1747.5	1677.5	1597.5	1520.2	1434.9	1354.0	1282.9	1222.3	1161.2
25°	1860.8	1791.6	1712.8	1642.3	1563.4	1481.5	1395.1	1311.2	1238.7	1169.4	1109.1
27.5°	1848.9	1759.1	1669.8	1587.6	1511.5	1436.3	1353.6	1267.6	1187.3	1117.1	1060.2
30°	1834.2	1735.7	1635.2	1549.5	1471.3	1398.2	1320.1	1236.2	1152.3	1083.6	1022.6
32.5°	1821.0	1706.2	1600.2	1506.8	1424.0	1352.9	1280.8	1201.0	1118.7	1049.0	988.0
35°	1795.5	1662.6	1541.2	1435.7	1347.4	1274.2	1213.9	1139.5	1063.9	996.5	938.1
37.5°	1763.0	1605.4	1475.1	1364.5	1267.6	1190.7	1134.4	1077.3	1004.8	939.9	887.0
40°	1737.6	1564.7	1426.8	1313.7	1213.2	1133.2	1081.1	1027.0	966.7	906.3	850.4
42.5°	1705.5	1528.1	1378.0	1256.2	1156.8	1078.8	1024.1	978.2	925.0	868.7	816.8
45°	1646.7	1461.8	1299.0	1168.2	1067.7	990.8	934.3	899.9	859.9	806.5	762.6
47.5°	1560.2	1382.0	1213.7	1078.6	975.0	903.8	850.8	817.8	789.6	749.9	710.1
50°	1483.4	1322.6	1152.3	1018.1	914.5	842.7	793.8	763.9	739.8	709.2	675.6
52.5°	1397.4	1247.8	1091.8	959.2	856.6	785.8	737.8	711.6	691.5	669.6	636.4
55°	1260.9	1133.8	988.9	863.1	768.3	699.1	657.1	634.3	617.8	601.2	580.9
57.5°	1110.5	1011.1	882.8	767.8	680.5	617.5	578.4	556.1	543.2	534.8	522.8
60°	1004.8	919.7	809.0	704.2	619.1	563.1	525.0	507.8	497.0	490.0	481.1
62.5°	906.7	836.7	734.3	638.6	564.1	511.2	477.2	460.5	450.2	446.8	439.4
65°	762.0	708.0	623.5	544.0	480.5	435.4	406.8	390.9	384.5	380.7	381.3
67.5°	619.5	586.6	518.7	450.9	400.2	362.4	339.5	327.3	324.2	319.0	318.9
70°	532.6	507.8	450.6	391.5	346.3	317.2	296.8	284.1	280.9	278.3	277.8
72.5°	455.8	434.1	384.5	337.1	296.5	270.8	254.1	246.5	241.2	239.7	239.6
75°	342.6	330.5	291.1	253.6	225.6	207.8	196.4	189.4	185.6	184.9	185.6
77.5°	243.5	233.0	208.0	181.4	163.7	150.3	140.6	138.2	133.9	134.0	133.3
80°	183.0	176.0	160.1	139.2	124.6	113.2	108.0	103.6	102.3	100.4	102.3
82.5°	132.7	125.2	114.4	101.0	88.9	82.1	77.0	75.7	74.8	73.9	74.4
85°	65.5	66.1	59.8	49.6	44.5	40.7	37.5	37.5	36.9	36.2	36.9
87.5°	25.1	23.7	21.4	19.5	16.6	14.7	13.8	13.9	12.8	12.6	13.5
90°	13.6	12.0	10.4	8.6	6.7	4.8	2.9	1.1	2.9	4.8	6.7
92.5°	36.6	34.6	32.5	30.8	29.5	28.2	26.9	25.6	26.9	28.2	29.5
95°	76.7	74.4	72.1	70.6	70.1	69.7	69.2	68.7	69.2	69.7	70.1
97.5°	123.2	119.9	116.7	115.0	114.8	114.6	114.4	114.2	114.4	114.6	114.8
100°	155.7	152.6	149.6	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1
102.5°	192.6	191.0	189.5	188.2	187.3	186.3	185.4	184.4	185.4	186.3	187.3
105°	250.0	248.5	247.1	245.8	244.7	243.4	242.3	241.2	242.3	243.4	244.7
107.5°	311.7	310.6	309.6	308.4	307.3	306.1	304.9	303.7	304.9	306.1	307.3
110°	353.9	353.3	352.5	351.6	350.4	349.3	348.1	346.9	348.1	349.3	350.4





TEST NUMBER: P333479-930

CATALOG NUMBER: S125DIW-S1270D1340U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	395.8	394.9	394.1	393.3	392.7	392.1	391.5	390.9	391.5	392.1	392.7
115°	461.2	460.7	460.3	459.6	458.6	457.7	456.7	455.8	456.7	457.7	458.6
117.5°	523.9	523.5	523.1	522.7	522.2	521.8	521.4	521.0	521.4	521.8	522.2
120°	567.4	567.2	567.0	566.3	565.1	563.9	562.7	561.6	562.7	563.9	565.1
122.5°	609.0	608.4	607.8	607.2	606.8	606.4	606.0	605.6	606.0	606.4	606.8
125°	672.1	671.9	671.6	670.8	669.4	668.1	666.6	665.2	666.6	668.1	669.4
127.5°	733.0	732.7	732.4	731.9	731.1	730.3	729.4	728.6	729.4	730.3	731.1
130°	773.2	772.7	772.3	771.4	770.3	769.1	767.9	766.7	767.9	769.1	770.3
132.5°	813.3	813.3	813.4	812.5	810.6	808.7	806.7	804.8	806.7	808.7	810.6
135°	872.0	871.8	871.6	870.7	869.4	867.9	866.5	865.1	866.5	867.9	869.4
137.5°	929.2	928.7	928.1	927.2	925.9	924.5	923.2	921.8	923.2	924.5	925.9
140°	965.2	964.5	963.8	962.9	961.7	960.5	959.4	958.1	959.4	960.5	961.7
142.5°	1001.2	1000.3	999.4	998.5	997.5	996.5	995.6	994.6	995.6	996.5	997.5
145°	1054.0	1053.4	1052.6	1051.8	1050.8	1049.9	1049.0	1048.1	1049.0	1049.9	1050.8
147.5°	1101.3	1100.7	1100.2	1099.6	1099.1	1098.6	1098.0	1097.6	1098.0	1098.6	1099.1
150°	1131.9	1130.9	1129.9	1129.6	1129.8	1130.1	1130.3	1130.6	1130.3	1130.1	1129.8
152.5°	1160.0	1159.7	1159.3	1158.9	1158.6	1158.3	1158.0	1157.6	1158.0	1158.3	1158.6
155°	1199.9	1199.6	1199.4	1199.3	1199.3	1199.3	1199.3	1199.3	1199.3	1199.3	1199.3
157.5°	1234.8	1234.5	1234.3	1234.4	1234.9	1235.5	1236.0	1236.5	1236.0	1235.5	1234.9
160°	1256.0	1255.7	1255.5	1255.7	1256.4	1257.1	1257.8	1258.5	1257.8	1257.1	1256.4
162.5°	1275.8	1275.7	1275.7	1275.9	1276.4	1276.9	1277.5	1278.0	1277.5	1276.9	1276.4
165°	1302.4	1302.2	1302.0	1302.1	1302.6	1303.0	1303.5	1304.0	1303.5	1303.0	1302.6
167.5°	1321.8	1321.8	1321.8	1322.3	1323.1	1324.1	1325.0	1326.0	1325.0	1324.1	1323.1
170°	1333.6	1333.6	1333.6	1334.1	1335.1	1335.9	1336.9	1337.8	1336.9	1335.9	1335.1
172.5°	1342.1	1342.1	1342.1	1342.6	1343.5	1344.4	1345.3	1346.3	1345.3	1344.4	1343.5
175°	1351.6	1351.6	1351.6	1352.1	1353.0	1354.0	1354.9	1355.8	1354.9	1354.0	1353.0
177.5°	1356.8	1357.0	1357.2	1357.6	1358.5	1359.2	1359.9	1360.7	1359.9	1359.2	1358.5
180°	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0



TEST NUMBER: P333479-930

CATALOG NUMBER: S125DIW-S1270D1340U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1471.4	1465.8	1461.3	1451.1	1445.4	1437.9	1431.7	1438.4	1431.3	1434.3	1429.7
5°	1425.6	1407.7	1395.1	1376.6	1360.7	1346.1	1335.3	1333.3	1328.3	1325.8	1318.1
7.5°	1370.4	1348.1	1326.2	1302.1	1281.7	1261.0	1247.8	1236.9	1229.6	1220.1	1213.7
10°	1337.8	1308.0	1282.5	1253.3	1227.8	1205.7	1187.8	1178.9	1170.7	1158.6	1154.1
12.5°	1297.6	1266.7	1235.7	1204.5	1180.1	1155.3	1140.0	1126.6	1120.9	1107.3	1105.9
15°	1249.4	1203.1	1172.6	1140.8	1107.1	1086.8	1074.1	1059.5	1053.1	1043.6	1036.6
17.5°	1192.0	1150.6	1112.5	1079.5	1050.7	1033.6	1017.7	1007.7	996.8	990.6	979.1
20°	1150.3	1110.9	1072.8	1037.9	1015.6	995.9	983.2	973.6	962.2	959.0	947.6
22.5°	1115.2	1071.8	1035.2	1005.8	981.5	959.3	945.6	939.1	931.2	921.5	919.1
25°	1058.2	1013.1	981.9	952.7	931.1	910.8	901.2	892.9	885.3	878.3	875.8
27.5°	1008.9	968.6	931.6	905.1	886.3	867.8	859.4	849.4	843.8	838.1	831.3
30°	974.3	932.9	900.6	875.1	854.8	838.3	829.4	822.4	817.3	812.2	808.5
32.5°	938.7	900.4	869.0	844.2	823.8	811.3	803.5	798.5	792.9	786.8	782.0
35°	891.7	849.7	819.2	797.6	781.7	772.2	763.3	758.8	752.5	752.5	747.4
37.5°	838.7	802.4	775.5	755.8	741.5	733.0	723.4	720.3	716.2	713.5	711.8
40°	807.1	773.5	748.0	728.3	713.1	706.0	698.5	693.4	690.8	687.6	686.4
42.5°	774.6	742.4	718.0	699.9	686.6	680.7	673.5	670.0	664.9	660.7	660.0
45°	725.1	694.0	671.8	657.1	645.7	638.7	634.3	626.6	624.1	619.1	618.4
47.5°	678.2	648.4	626.6	614.6	604.5	598.8	591.8	584.2	581.3	578.7	578.5
50°	643.2	615.9	595.5	584.1	574.5	566.3	559.3	554.2	552.3	552.3	553.6
52.5°	607.6	584.3	567.0	553.0	544.0	535.2	528.8	525.7	522.8	525.9	528.2
55°	555.5	532.0	519.3	505.9	497.0	486.8	483.6	482.4	480.5	485.6	488.1
57.5°	500.3	483.8	468.9	455.7	447.7	441.8	437.5	436.8	440.3	442.7	450.9
60°	465.2	446.1	432.8	422.7	413.1	409.3	408.1	406.8	409.3	416.3	427.1
62.5°	426.6	411.1	396.7	389.1	382.0	375.8	375.4	376.3	381.3	389.3	400.1
65°	369.9	356.5	347.0	338.1	332.4	328.6	329.9	332.4	338.1	348.9	361.0
67.5°	312.3	303.1	294.6	287.4	281.9	281.9	283.2	287.0	293.8	306.2	317.2
70°	275.2	265.1	258.0	254.9	250.4	247.9	251.7	258.0	263.7	275.2	284.7
72.5°	238.1	229.4	224.0	221.8	219.9	217.8	219.2	226.0	233.7	245.2	256.2
75°	183.0	179.9	176.0	173.5	171.6	172.8	174.1	180.5	186.9	198.9	211.7
77.5°	133.6	130.3	128.0	127.3	126.4	126.9	130.5	135.3	141.5	150.3	159.9
80°	101.0	99.8	98.5	97.8	97.8	98.5	103.6	106.8	112.5	120.7	128.4
82.5°	73.6	72.8	72.6	72.5	73.0	73.1	76.1	80.3	85.0	91.2	97.8
85°	38.8	37.5	39.4	40.0	38.8	40.7	41.9	44.5	46.4	49.6	52.7
87.5°	14.4	15.8	15.7	16.5	16.8	18.1	17.9	20.1	21.4	22.7	22.3
90°	8.6	10.4	12.0	13.6	15.2	17.0	18.1	19.2	20.5	21.6	22.6
92.5°	30.8	32.5	34.6	36.6	38.6	40.6	42.2	43.7	45.2	46.8	47.9
95°	70.6	72.1	74.4	76.7	79.1	81.4	83.1	84.7	86.3	88.1	89.0
97.5°	115.0	116.7	119.9	123.2	126.5	129.6	131.2	132.7	134.3	135.8	136.8
100°	148.1	149.6	152.6	155.7	158.7	161.8	164.0	166.1	168.1	170.2	171.5
102.5°	188.2	189.5	191.0	192.6	194.1	195.7	198.0	200.2	202.5	204.9	206.4
105°	245.8	247.1	248.5	250.0	251.4	252.7	254.2	255.6	257.0	258.4	259.4
107.5°	308.4	309.6	310.6	311.7	312.8	313.9	314.6	315.3	316.0	316.7	317.1
110°	351.6	352.5	353.3	353.9	354.7	355.3	356.0	356.8	357.4	358.2	358.4



TEST NUMBER: P333479-930

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	393.3	394.1	394.9	395.8	396.7	397.6	397.9	398.3	398.6	398.9	398.9
115°	459.6	460.3	460.7	461.2	461.7	462.2	461.9	461.7	461.5	461.2	461.0
117.5°	522.7	523.1	523.5	523.9	524.3	524.8	525.0	525.1	525.3	525.5	525.1
120°	566.3	567.0	567.2	567.4	567.7	567.9	567.9	567.9	567.9	567.9	567.4
122.5°	607.2	607.8	608.4	609.0	609.6	610.3	610.0	609.8	609.7	609.4	609.0
125°	670.8	671.6	671.9	672.1	672.4	672.6	672.1	671.6	671.2	670.7	670.4
127.5°	731.9	732.4	732.7	733.0	733.3	733.5	733.3	733.0	732.8	732.6	732.2
130°	771.4	772.3	772.7	773.2	773.6	774.1	773.9	773.6	773.5	773.2	772.8
132.5°	812.5	813.4	813.3	813.3	813.2	813.1	812.9	812.6	812.4	812.1	811.7
135°	870.7	871.6	871.8	872.0	872.3	872.5	872.5	872.5	872.5	872.5	872.0
137.5°	927.2	928.1	928.7	929.2	929.8	930.3	930.5	930.8	931.1	931.4	930.9
140°	962.9	963.8	964.5	965.2	965.9	966.6	967.1	967.6	968.0	968.5	968.2
142.5°	998.5	999.4	1000.3	1001.2	1002.1	1003.0	1003.3	1003.6	1003.9	1004.1	1003.7
145°	1051.8	1052.6	1053.4	1054.0	1054.8	1055.5	1055.5	1055.5	1055.5	1055.5	1055.1
147.5°	1099.6	1100.2	1100.7	1101.3	1101.9	1102.4	1103.0	1103.5	1104.1	1104.6	1104.2
150°	1129.6	1129.9	1130.9	1131.9	1132.8	1133.8	1133.8	1133.8	1133.8	1133.8	1133.5
152.5°	1158.9	1159.3	1159.7	1160.0	1160.4	1160.8	1161.4	1161.9	1162.5	1163.0	1162.9
155°	1199.3	1199.4	1199.6	1199.9	1200.1	1200.4	1201.3	1202.2	1203.1	1204.1	1204.0
157.5°	1234.4	1234.3	1234.5	1234.8	1235.0	1235.3	1236.2	1237.1	1238.0	1239.0	1238.7
160°	1255.7	1255.5	1255.7	1256.0	1256.1	1256.4	1257.4	1258.3	1259.2	1260.1	1260.0
162.5°	1275.9	1275.7	1275.7	1275.8	1275.8	1275.9	1277.0	1278.1	1279.2	1280.3	1280.3
165°	1302.1	1302.0	1302.2	1302.4	1302.7	1302.9	1303.9	1304.8	1305.8	1306.7	1306.4
167.5°	1322.3	1321.8	1321.8	1321.8	1321.8	1321.8	1323.1	1324.6	1326.0	1327.4	1327.4
170°	1334.1	1333.6	1333.6	1333.6	1333.6	1333.6	1335.1	1336.4	1337.8	1339.2	1339.1
172.5°	1342.6	1342.1	1342.1	1342.1	1342.1	1342.1	1343.5	1344.9	1346.3	1347.7	1347.7
175°	1352.1	1351.6	1351.6	1351.6	1351.6	1351.6	1353.0	1354.4	1355.8	1357.2	1357.1
177.5°	1357.6	1357.2	1357.0	1356.8	1356.7	1356.4	1357.6	1358.7	1359.8	1361.0	1360.9
180°	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0



TEST NUMBER: P333479-930

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1426.7	1430.2	1427.2	1431.3	1427.2	1430.2	1426.7	1429.7	1434.3	1431.3	1438.4
5°	1314.9	1309.2	1313.0	1310.5	1313.0	1309.2	1314.9	1318.1	1325.8	1328.3	1333.3
7.5°	1211.7	1206.2	1200.0	1197.1	1200.0	1206.2	1211.7	1213.7	1220.1	1229.6	1236.9
10°	1147.1	1140.2	1139.5	1135.1	1139.5	1140.2	1147.1	1154.1	1158.6	1170.7	1178.9
12.5°	1099.8	1093.4	1086.1	1084.3	1086.1	1093.4	1099.8	1105.9	1107.3	1120.9	1126.6
15°	1032.7	1027.7	1023.2	1027.0	1023.2	1027.7	1032.7	1036.6	1043.6	1053.1	1059.5
17.5°	977.0	972.7	972.0	967.3	972.0	972.7	977.0	979.1	990.6	996.8	1007.7
20°	941.9	938.7	940.0	931.7	940.0	938.7	941.9	947.6	959.0	962.2	973.6
22.5°	914.0	907.7	906.9	905.3	906.9	907.7	914.0	919.1	921.5	931.2	939.1
25°	870.1	866.9	863.7	866.9	863.7	866.9	870.1	875.8	878.3	885.3	892.9
27.5°	831.8	828.0	827.1	827.4	827.1	828.0	831.8	831.3	838.1	843.8	849.4
30°	808.5	802.1	802.7	802.1	802.7	802.1	808.5	808.5	812.2	817.3	822.4
32.5°	783.0	778.7	777.8	776.7	777.8	778.7	783.0	782.0	786.8	792.9	798.5
35°	745.5	745.5	742.3	742.3	742.3	745.5	745.5	747.4	752.5	752.5	758.8
37.5°	710.3	709.6	707.8	708.0	707.8	709.6	710.3	711.8	713.5	716.2	720.3
40°	683.9	683.2	681.3	677.5	681.3	683.2	683.9	686.4	687.6	690.8	693.4
42.5°	658.4	656.2	655.3	654.1	655.3	656.2	658.4	660.0	660.7	664.9	670.0
45°	618.4	618.4	617.1	616.4	617.1	618.4	618.4	618.4	619.1	624.1	626.6
47.5°	579.5	580.7	583.0	582.7	583.0	580.7	579.5	578.5	578.7	581.3	584.2
50°	556.1	556.8	558.6	559.3	558.6	556.8	556.1	553.6	552.3	552.3	554.2
52.5°	530.2	533.9	536.3	535.9	536.3	533.9	530.2	528.2	525.9	522.8	525.7
55°	493.8	498.2	502.7	503.4	502.7	498.2	493.8	488.1	485.6	480.5	482.4
57.5°	457.9	464.1	468.8	470.3	468.8	464.1	457.9	450.9	442.7	440.3	436.8
60°	433.4	441.7	447.4	450.0	447.4	441.7	433.4	427.1	416.3	409.3	406.8
62.5°	410.0	419.3	425.0	425.6	425.0	419.3	410.0	400.1	389.3	381.3	376.3
65°	371.8	381.3	386.4	390.2	386.4	381.3	371.8	361.0	348.9	338.1	332.4
67.5°	330.6	340.1	345.8	348.8	345.8	340.1	330.6	317.2	306.2	293.8	287.0
70°	300.6	310.1	317.8	320.3	317.8	310.1	300.6	284.7	275.2	263.7	258.0
72.5°	271.1	279.6	285.8	288.8	285.8	279.6	271.1	256.2	245.2	233.7	226.0
75°	219.9	231.3	237.1	240.3	237.1	231.3	219.9	211.7	198.9	186.9	180.5
77.5°	169.6	180.0	183.4	185.1	183.4	180.0	169.6	159.9	150.3	141.5	135.3
80°	136.0	142.4	146.8	147.4	146.8	142.4	136.0	128.4	120.7	112.5	106.8
82.5°	104.5	109.8	111.2	112.8	111.2	109.8	104.5	97.8	91.2	85.0	80.3
85°	57.2	59.8	60.4	59.8	60.4	59.8	57.2	52.7	49.6	46.4	44.5
87.5°	23.5	23.1	23.2	24.4	23.2	23.1	23.5	22.3	22.7	21.4	20.1
90°	23.2	24.0	24.7	25.4	24.7	24.0	23.2	22.6	21.6	20.5	19.2
92.5°	48.3	48.9	49.4	49.9	49.4	48.9	48.3	47.9	46.8	45.2	43.7
95°	89.5	90.0	90.5	91.0	90.5	90.0	89.5	89.0	88.1	86.3	84.7
97.5°	137.1	137.4	137.6	137.9	137.6	137.4	137.1	136.8	135.8	134.3	132.7
100°	172.0	172.5	173.0	173.4	173.0	172.5	172.0	171.5	170.2	168.1	166.1
102.5°	207.0	207.7	208.3	209.0	208.3	207.7	207.0	206.4	204.9	202.5	200.2
105°	260.2	260.9	261.5	262.3	261.5	260.9	260.2	259.4	258.4	257.0	255.6
107.5°	317.0	316.9	316.9	316.8	316.9	316.9	317.0	317.1	316.7	316.0	315.3
110°	358.2	357.9	357.7	357.4	357.7	357.9	358.2	358.4	358.2	357.4	356.8



TEST NUMBER: P333479-930

CATALOG NUMBER: S125DIW-S1270D1340U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	398.5	398.1	397.6	397.2	397.6	398.1	398.5	398.9	398.9	398.6	398.3
115°	460.7	460.5	460.3	460.1	460.3	460.5	460.7	461.0	461.2	461.5	461.7
117.5°	524.2	523.3	522.4	521.4	522.4	523.3	524.2	525.1	525.5	525.3	525.1
120°	566.5	565.6	564.6	563.7	564.6	565.6	566.5	567.4	567.9	567.9	567.9
122.5°	608.2	607.5	606.7	606.0	606.7	607.5	608.2	609.0	609.4	609.7	609.8
125°	670.2	669.9	669.7	669.4	669.7	669.9	670.2	670.4	670.7	671.2	671.6
127.5°	731.8	731.3	730.8	730.3	730.8	731.3	731.8	732.2	732.6	732.8	733.0
130°	772.4	771.9	771.4	770.9	771.4	771.9	772.4	772.8	773.2	773.5	773.6
132.5°	811.1	810.3	809.7	809.0	809.7	810.3	811.1	811.7	812.1	812.4	812.6
135°	871.1	870.2	869.2	868.3	869.2	870.2	871.1	872.0	872.5	872.5	872.5
137.5°	929.8	928.5	927.4	926.3	927.4	928.5	929.8	930.9	931.4	931.1	930.8
140°	966.9	965.8	964.7	963.4	964.7	965.8	966.9	968.2	968.5	968.0	967.6
142.5°	1002.5	1001.4	1000.1	999.0	1000.1	1001.4	1002.5	1003.7	1004.1	1003.9	1003.6
145°	1054.4	1053.7	1053.0	1052.3	1053.0	1053.7	1054.4	1055.1	1055.5	1055.5	1055.5
147.5°	1102.5	1101.0	1099.3	1097.8	1099.3	1101.0	1102.5	1104.2	1104.6	1104.1	1103.5
150°	1133.0	1132.5	1132.0	1131.6	1132.0	1132.5	1133.0	1133.5	1133.8	1133.8	1133.8
152.5°	1162.0	1161.2	1160.3	1159.5	1160.3	1161.2	1162.0	1162.9	1163.0	1162.5	1161.9
155°	1202.8	1201.7	1200.4	1199.3	1200.4	1201.7	1202.8	1204.0	1204.1	1203.1	1202.2
157.5°	1237.1	1235.6	1234.0	1232.5	1234.0	1235.6	1237.1	1238.7	1239.0	1238.0	1237.1
160°	1258.9	1257.7	1256.5	1255.3	1256.5	1257.7	1258.9	1260.0	1260.1	1259.2	1258.3
162.5°	1278.9	1277.5	1276.2	1274.8	1276.2	1277.5	1278.9	1280.3	1280.3	1279.2	1278.1
165°	1305.0	1303.7	1302.2	1300.8	1302.2	1303.7	1305.0	1306.4	1306.7	1305.8	1304.8
167.5°	1325.9	1324.5	1323.0	1321.5	1323.0	1324.5	1325.9	1327.4	1327.4	1326.0	1324.6
170°	1337.5	1335.9	1334.2	1332.5	1334.2	1335.9	1337.5	1339.1	1339.2	1337.8	1336.4
172.5°	1346.2	1344.8	1343.3	1341.8	1343.3	1344.8	1346.2	1347.7	1347.7	1346.3	1344.9
175°	1355.4	1353.8	1352.2	1350.5	1352.2	1353.8	1355.4	1357.1	1357.2	1355.8	1354.4
177.5°	1359.5	1358.2	1356.9	1355.6	1356.9	1358.2	1359.5	1360.9	1361.0	1359.8	1358.7
180°	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0



TEST NUMBER: P333479-930

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1431.7	1437.9	1445.4	1451.1	1461.3	1465.8	1471.4	1476.0	1484.1	1491.8	1500.9
5°	1335.3	1346.1	1360.7	1376.6	1395.1	1407.7	1425.6	1436.3	1457.9	1477.6	1496.7
7.5°	1247.8	1261.0	1281.7	1302.1	1326.2	1348.1	1370.4	1395.1	1422.6	1455.1	1482.1
10°	1187.8	1205.7	1227.8	1253.3	1282.5	1308.0	1337.8	1364.5	1398.2	1436.3	1471.9
12.5°	1140.0	1155.3	1180.1	1204.5	1235.7	1266.7	1297.6	1333.0	1372.2	1414.5	1459.2
15°	1074.1	1086.8	1107.1	1140.8	1172.6	1203.1	1249.4	1282.5	1332.1	1379.2	1433.1
17.5°	1017.7	1033.6	1050.7	1079.5	1112.5	1150.6	1192.0	1233.5	1281.2	1340.8	1401.7
20°	983.2	995.9	1015.6	1037.9	1072.8	1110.9	1150.3	1192.3	1250.8	1312.4	1377.9
22.5°	945.6	959.3	981.5	1005.8	1035.2	1071.8	1115.2	1161.2	1222.3	1282.9	1354.0
25°	901.2	910.8	931.1	952.7	981.9	1013.1	1058.2	1109.1	1169.4	1238.7	1311.2
27.5°	859.4	867.8	886.3	905.1	931.6	968.6	1008.9	1060.2	1117.1	1187.3	1267.6
30°	829.4	838.3	854.8	875.1	900.6	932.9	974.3	1022.6	1083.6	1152.3	1236.2
32.5°	803.5	811.3	823.8	844.2	869.0	900.4	938.7	988.0	1049.0	1118.7	1201.0
35°	763.3	772.2	781.7	797.6	819.2	849.7	891.7	938.1	996.5	1063.9	1139.5
37.5°	723.4	733.0	741.5	755.8	775.5	802.4	838.7	887.0	939.9	1004.8	1077.3
40°	698.5	706.0	713.1	728.3	748.0	773.5	807.1	850.4	906.3	966.7	1027.0
42.5°	673.5	680.7	686.6	699.9	718.0	742.4	774.6	816.8	868.7	925.0	978.2
45°	634.3	638.7	645.7	657.1	671.8	694.0	725.1	762.6	806.5	859.9	899.9
47.5°	591.8	598.8	604.5	614.6	626.6	648.4	678.2	710.1	749.9	789.6	817.8
50°	559.3	566.3	574.5	584.1	595.5	615.9	643.2	675.6	709.2	739.8	763.9
52.5°	528.8	535.2	544.0	553.0	567.0	584.3	607.6	636.4	669.6	691.5	711.6
55°	483.6	486.8	497.0	505.9	519.3	532.0	555.5	580.9	601.2	617.8	634.3
57.5°	437.5	441.8	447.7	455.7	468.9	483.8	500.3	522.8	534.8	543.2	556.1
60°	408.1	409.3	413.1	422.7	432.8	446.1	465.2	481.1	490.0	497.0	507.8
62.5°	375.4	375.8	382.0	389.1	396.7	411.1	426.6	439.4	446.8	450.2	460.5
65°	329.9	328.6	332.4	338.1	347.0	356.5	369.9	381.3	380.7	384.5	390.9
67.5°	283.2	281.9	281.9	287.4	294.6	303.1	312.3	318.9	319.0	324.2	327.3
70°	251.7	247.9	250.4	254.9	258.0	265.1	275.2	277.8	278.3	280.9	284.1
72.5°	219.2	217.8	219.9	221.8	224.0	229.4	238.1	239.6	239.7	241.2	246.5
75°	174.1	172.8	171.6	173.5	176.0	179.9	183.0	185.6	184.9	185.6	189.4
77.5°	130.5	126.9	126.4	127.3	128.0	130.3	133.6	133.3	134.0	133.9	138.2
80°	103.6	98.5	97.8	97.8	98.5	99.8	101.0	102.3	100.4	102.3	103.6
82.5°	76.1	73.1	73.0	72.5	72.6	72.8	73.6	74.4	73.9	74.8	75.7
85°	41.9	40.7	38.8	40.0	39.4	37.5	38.8	36.9	36.2	36.9	37.5
87.5°	17.9	18.1	16.8	16.5	15.7	15.8	14.4	13.5	12.6	12.8	13.9
90°	18.1	17.0	15.2	13.6	12.0	10.4	8.6	6.7	4.8	2.9	1.1
92.5°	42.2	40.6	38.6	36.6	34.6	32.5	30.8	29.5	28.2	26.9	25.6
95°	83.1	81.4	79.1	76.7	74.4	72.1	70.6	70.1	69.7	69.2	68.7
97.5°	131.2	129.6	126.5	123.2	119.9	116.7	115.0	114.8	114.6	114.4	114.2
100°	164.0	161.8	158.7	155.7	152.6	149.6	148.1	148.1	148.1	148.1	148.1
102.5°	198.0	195.7	194.1	192.6	191.0	189.5	188.2	187.3	186.3	185.4	184.4
105°	254.2	252.7	251.4	250.0	248.5	247.1	245.8	244.7	243.4	242.3	241.2
107.5°	314.6	313.9	312.8	311.7	310.6	309.6	308.4	307.3	306.1	304.9	303.7
110°	356.0	355.3	354.7	353.9	353.3	352.5	351.6	350.4	349.3	348.1	346.9



TEST NUMBER: P333479-930

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	397.9	397.6	396.7	395.8	394.9	394.1	393.3	392.7	392.1	391.5	390.9
115°	461.9	462.2	461.7	461.2	460.7	460.3	459.6	458.6	457.7	456.7	455.8
117.5°	525.0	524.8	524.3	523.9	523.5	523.1	522.7	522.2	521.8	521.4	521.0
120°	567.9	567.9	567.7	567.4	567.2	567.0	566.3	565.1	563.9	562.7	561.6
122.5°	610.0	610.3	609.6	609.0	608.4	607.8	607.2	606.8	606.4	606.0	605.6
125°	672.1	672.6	672.4	672.1	671.9	671.6	670.8	669.4	668.1	666.6	665.2
127.5°	733.3	733.5	733.3	733.0	732.7	732.4	731.9	731.1	730.3	729.4	728.6
130°	773.9	774.1	773.6	773.2	772.7	772.3	771.4	770.3	769.1	767.9	766.7
132.5°	812.9	813.1	813.2	813.3	813.3	813.4	812.5	810.6	808.7	806.7	804.8
135°	872.5	872.5	872.3	872.0	871.8	871.6	870.7	869.4	867.9	866.5	865.1
137.5°	930.5	930.3	929.8	929.2	928.7	928.1	927.2	925.9	924.5	923.2	921.8
140°	967.1	966.6	965.9	965.2	964.5	963.8	962.9	961.7	960.5	959.4	958.1
142.5°	1003.3	1003.0	1002.1	1001.2	1000.3	999.4	998.5	997.5	996.5	995.6	994.6
145°	1055.5	1055.5	1054.8	1054.0	1053.4	1052.6	1051.8	1050.8	1049.9	1049.0	1048.1
147.5°	1103.0	1102.4	1101.9	1101.3	1100.7	1100.2	1099.6	1099.1	1098.6	1098.0	1097.6
150°	1133.8	1133.8	1132.8	1131.9	1130.9	1129.9	1129.6	1129.8	1130.1	1130.3	1130.6
152.5°	1161.4	1160.8	1160.4	1160.0	1159.7	1159.3	1158.9	1158.6	1158.3	1158.0	1157.6
155°	1201.3	1200.4	1200.1	1199.9	1199.6	1199.4	1199.3	1199.3	1199.3	1199.3	1199.3
157.5°	1236.2	1235.3	1235.0	1234.8	1234.5	1234.3	1234.4	1234.9	1235.5	1236.0	1236.5
160°	1257.4	1256.4	1256.1	1256.0	1255.7	1255.5	1255.7	1256.4	1257.1	1257.8	1258.5
162.5°	1277.0	1275.9	1275.8	1275.8	1275.7	1275.7	1275.9	1276.4	1276.9	1277.5	1278.0
165°	1303.9	1302.9	1302.7	1302.4	1302.2	1302.0	1302.1	1302.6	1303.0	1303.5	1304.0
167.5°	1323.1	1321.8	1321.8	1321.8	1321.8	1321.8	1322.3	1323.1	1324.1	1325.0	1326.0
170°	1335.1	1333.6	1333.6	1333.6	1333.6	1333.6	1334.1	1335.1	1335.9	1336.9	1337.8
172.5°	1343.5	1342.1	1342.1	1342.1	1342.1	1342.1	1342.6	1343.5	1344.4	1345.3	1346.3
175°	1353.0	1351.6	1351.6	1351.6	1351.6	1351.6	1352.1	1353.0	1354.0	1354.9	1355.8
177.5°	1357.6	1356.4	1356.7	1356.8	1357.0	1357.2	1357.6	1358.5	1359.2	1359.9	1360.7
180°	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1505.5	1512.6	1517.2	1525.8	1532.9	1537.0	1540.6	1543.6	1547.2	1550.2	1558.9
5°	1515.2	1531.6	1545.6	1567.2	1587.0	1602.2	1618.7	1633.4	1645.4	1662.6	1675.9
7.5°	1510.9	1540.3	1571.1	1604.5	1638.7	1670.5	1699.7	1727.0	1751.8	1781.8	1808.1
10°	1506.8	1546.9	1586.3	1631.4	1677.8	1717.3	1754.1	1791.6	1818.9	1857.1	1889.5
12.5°	1503.8	1550.9	1598.6	1652.8	1703.7	1759.4	1808.5	1835.8	1877.4	1907.9	1946.4
15°	1491.0	1553.3	1618.7	1679.8	1752.2	1803.7	1846.9	1900.3	1939.0	1977.8	2019.7
17.5°	1467.9	1538.6	1611.8	1691.7	1761.2	1816.5	1872.2	1923.7	1969.9	2021.9	2074.1
20°	1457.3	1527.9	1611.8	1693.7	1761.7	1819.6	1876.7	1933.3	1984.2	2050.9	2111.3
22.5°	1434.9	1520.2	1597.5	1677.5	1747.5	1810.4	1875.3	1939.4	2007.0	2082.4	2158.0
25°	1395.1	1481.5	1563.4	1642.3	1712.8	1791.6	1860.8	1946.7	2033.1	2132.9	2226.9
27.5°	1353.6	1436.3	1511.5	1587.6	1669.8	1759.1	1848.9	1946.3	2059.4	2185.4	2318.1
30°	1320.1	1398.2	1471.3	1549.5	1635.2	1735.7	1834.2	1949.9	2080.8	2222.5	2380.1
32.5°	1280.8	1352.9	1424.0	1506.8	1600.2	1706.2	1821.0	1947.8	2105.2	2266.2	2428.5
35°	1213.9	1274.2	1347.4	1435.7	1541.2	1662.6	1795.5	1945.4	2125.9	2310.8	2447.4
37.5°	1134.4	1190.7	1267.6	1364.5	1475.1	1605.4	1763.0	1941.0	2132.7	2280.1	2324.2
40°	1081.1	1133.2	1213.2	1313.7	1426.8	1564.7	1737.6	1925.7	2111.3	2205.3	2169.1
42.5°	1024.1	1078.8	1156.8	1256.2	1378.0	1528.1	1705.5	1893.7	2049.3	2084.8	1959.7
45°	934.3	990.8	1067.7	1168.2	1299.0	1461.8	1646.7	1817.6	1907.2	1843.1	1649.3
47.5°	850.8	903.8	975.0	1078.6	1213.7	1382.0	1560.2	1696.6	1703.6	1550.5	1343.5
50°	793.8	842.7	914.5	1018.1	1152.3	1322.6	1483.4	1590.7	1542.5	1369.0	1170.0
52.5°	737.8	785.8	856.6	959.2	1091.8	1247.8	1397.4	1472.8	1381.8	1203.7	1033.8
55°	657.1	699.1	768.3	863.1	988.9	1133.8	1260.9	1286.9	1168.7	993.4	855.4
57.5°	578.4	617.5	680.5	767.8	882.8	1011.1	1110.5	1105.0	980.0	829.5	720.1
60°	525.0	563.1	619.1	704.2	809.0	919.7	1004.8	984.5	860.5	730.9	638.7
62.5°	477.2	511.2	564.1	638.6	734.3	836.7	906.7	876.7	755.3	641.9	569.1
65°	406.8	435.4	480.5	544.0	623.5	708.0	762.0	723.3	619.6	531.3	472.9
67.5°	339.5	362.4	400.2	450.9	518.7	586.6	619.5	580.5	497.7	433.2	389.9
70°	296.8	317.2	346.3	391.5	450.6	507.8	532.6	497.7	426.5	371.1	340.0
72.5°	254.1	270.8	296.5	337.1	384.5	434.1	455.8	422.4	363.9	317.2	288.1
75°	196.4	207.8	225.6	253.6	291.1	330.5	342.6	313.3	275.8	240.8	221.8
77.5°	140.6	150.3	163.7	181.4	208.0	233.0	243.5	226.7	197.6	175.5	159.9
80°	108.0	113.2	124.6	139.2	160.1	176.0	183.0	172.3	151.9	135.3	123.3
82.5°	77.0	82.1	88.9	101.0	114.4	125.2	132.7	125.5	110.7	97.8	90.7
85°	37.5	40.7	44.5	49.6	59.8	66.1	65.5	61.0	55.3	50.2	46.4
87.5°	13.8	14.7	16.6	19.5	21.4	23.7	25.1	24.4	22.7	21.4	20.1
90°	2.9	4.8	6.7	8.6	10.4	12.0	13.6	15.2	17.0	18.1	19.2
92.5°	26.9	28.2	29.5	30.8	32.5	34.6	36.6	38.6	40.6	42.2	43.7
95°	69.2	69.7	70.1	70.6	72.1	74.4	76.7	79.1	81.4	83.1	84.7
97.5°	114.4	114.6	114.8	115.0	116.7	119.9	123.2	126.5	129.6	131.2	132.7
100°	148.1	148.1	148.1	148.1	149.6	152.6	155.7	158.7	161.8	164.0	166.1
102.5°	185.4	186.3	187.3	188.2	189.5	191.0	192.6	194.1	195.7	198.0	200.2
105°	242.3	243.4	244.7	245.8	247.1	248.5	250.0	251.4	252.7	254.2	255.6
107.5°	304.9	306.1	307.3	308.4	309.6	310.6	311.7	312.8	313.9	314.6	315.3
110°	348.1	349.3	350.4	351.6	352.5	353.3	353.9	354.7	355.3	356.0	356.8





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	391.5	392.1	392.7	393.3	394.1	394.9	395.8	396.7	397.6	397.9	398.3
115°	456.7	457.7	458.6	459.6	460.3	460.7	461.2	461.7	462.2	461.9	461.7
117.5°	521.4	521.8	522.2	522.7	523.1	523.5	523.9	524.3	524.8	525.0	525.1
120°	562.7	563.9	565.1	566.3	567.0	567.2	567.4	567.7	567.9	567.9	567.9
122.5°	606.0	606.4	606.8	607.2	607.8	608.4	609.0	609.6	610.3	610.0	609.8
125°	666.6	668.1	669.4	670.8	671.6	671.9	672.1	672.4	672.6	672.1	671.6
127.5°	729.4	730.3	731.1	731.9	732.4	732.7	733.0	733.3	733.5	733.3	733.0
130°	767.9	769.1	770.3	771.4	772.3	772.7	773.2	773.6	774.1	773.9	773.6
132.5°	806.7	808.7	810.6	812.5	813.4	813.3	813.3	813.2	813.1	812.9	812.6
135°	866.5	867.9	869.4	870.7	871.6	871.8	872.0	872.3	872.5	872.5	872.5
137.5°	923.2	924.5	925.9	927.2	928.1	928.7	929.2	929.8	930.3	930.5	930.8
140°	959.4	960.5	961.7	962.9	963.8	964.5	965.2	965.9	966.6	967.1	967.6
142.5°	995.6	996.5	997.5	998.5	999.4	1000.3	1001.2	1002.1	1003.0	1003.3	1003.6
145°	1049.0	1049.9	1050.8	1051.8	1052.6	1053.4	1054.0	1054.8	1055.5	1055.5	1055.5
147.5°	1098.0	1098.6	1099.1	1099.6	1100.2	1100.7	1101.3	1101.9	1102.4	1103.0	1103.5
150°	1130.3	1130.1	1129.8	1129.6	1129.9	1130.9	1131.9	1132.8	1133.8	1133.8	1133.8
152.5°	1158.0	1158.3	1158.6	1158.9	1159.3	1159.7	1160.0	1160.4	1160.8	1161.4	1161.9
155°	1199.3	1199.3	1199.3	1199.3	1199.4	1199.6	1199.9	1200.1	1200.4	1201.3	1202.2
157.5°	1236.0	1235.5	1234.9	1234.4	1234.3	1234.5	1234.8	1235.0	1235.3	1236.2	1237.1
160°	1257.8	1257.1	1256.4	1255.7	1255.5	1255.7	1256.0	1256.1	1256.4	1257.4	1258.3
162.5°	1277.5	1276.9	1276.4	1275.9	1275.7	1275.7	1275.8	1275.8	1275.9	1277.0	1278.1
165°	1303.5	1303.0	1302.6	1302.1	1302.0	1302.2	1302.4	1302.7	1302.9	1303.9	1304.8
167.5°	1325.0	1324.1	1323.1	1322.3	1321.8	1321.8	1321.8	1321.8	1321.8	1323.1	1324.6
170°	1336.9	1335.9	1335.1	1334.1	1333.6	1333.6	1333.6	1333.6	1333.6	1335.1	1336.4
172.5°	1345.3	1344.4	1343.5	1342.6	1342.1	1342.1	1342.1	1342.1	1342.1	1343.5	1344.9
175°	1354.9	1354.0	1353.0	1352.1	1351.6	1351.6	1351.6	1351.6	1351.6	1353.0	1354.4
177.5°	1359.9	1359.2	1358.5	1357.6	1357.2	1357.0	1356.8	1356.7	1356.4	1357.6	1358.7
180°	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1565.9	1570.0	1578.7	1575.6	1579.7	1581.8	1583.8
5°	1692.5	1712.8	1721.7	1720.4	1733.7	1730.6	1727.4
7.5°	1835.3	1856.7	1868.7	1883.5	1892.1	1892.8	1900.3
10°	1916.2	1944.2	1955.6	1971.5	1981.7	1987.4	1986.7
12.5°	1978.2	2000.1	2025.7	2033.5	2047.2	2054.5	2051.8
15°	2052.8	2087.7	2114.5	2127.8	2145.0	2150.0	2157.0
17.5°	2119.5	2166.3	2197.5	2238.9	2254.5	2264.1	2258.5
20°	2169.8	2231.4	2262.5	2312.1	2339.4	2354.1	2349.0
22.5°	2229.3	2296.0	2353.5	2396.5	2438.1	2457.8	2461.9
25°	2331.2	2422.7	2507.2	2563.8	2615.2	2627.3	2654.0
27.5°	2445.1	2552.9	2643.4	2702.9	2738.7	2752.1	2760.5
30°	2516.7	2624.1	2692.2	2730.3	2741.8	2740.5	2739.2
32.5°	2551.8	2619.1	2632.2	2621.5	2595.3	2573.2	2550.1
35°	2502.2	2451.9	2376.9	2280.3	2209.1	2137.3	2130.4
37.5°	2250.3	2089.8	1965.0	1825.5	1745.1	1695.4	1661.1
40°	2013.4	1831.0	1679.8	1562.2	1480.2	1447.8	1416.0
42.5°	1756.2	1581.8	1447.9	1349.6	1288.0	1252.1	1226.9
45°	1426.8	1273.0	1168.2	1097.0	1048.0	1020.0	1004.1
47.5°	1169.1	1055.4	966.3	914.9	881.1	859.4	859.5
50°	1030.9	922.2	863.1	822.4	793.1	776.0	779.2
52.5°	908.3	827.1	776.7	742.6	721.0	710.4	710.0
55°	759.5	701.0	668.0	643.2	628.5	616.4	619.1
57.5°	649.6	600.3	578.2	557.7	547.5	542.7	535.7
60°	581.6	543.4	524.3	507.8	497.7	493.8	486.8
62.5°	521.1	491.1	472.5	459.0	449.8	448.6	443.1
65°	437.9	415.0	398.5	392.2	382.6	380.1	380.1
67.5°	361.0	344.6	331.7	325.9	321.7	322.4	319.3
70°	312.7	299.4	291.1	284.7	281.5	282.2	279.6
72.5°	273.5	258.7	251.4	247.6	243.4	245.1	244.0
75°	207.2	199.6	195.8	191.9	189.4	188.1	186.9
77.5°	152.1	145.4	142.5	140.3	140.7	137.6	140.1
80°	117.6	111.9	110.0	106.8	106.2	106.2	105.5
82.5°	86.0	82.8	81.4	78.8	77.7	78.7	77.0
85°	44.5	41.9	41.3	41.3	40.0	38.8	41.9
87.5°	20.4	18.6	18.8	18.3	18.5	18.2	17.3
90°	20.5	21.6	22.6	23.2	24.0	24.7	25.4
92.5°	45.2	46.8	47.9	48.3	48.9	49.4	49.9
95°	86.3	88.1	89.0	89.5	90.0	90.5	91.0
97.5°	134.3	135.8	136.8	137.1	137.4	137.6	137.9
100°	168.1	170.2	171.5	172.0	172.5	173.0	173.4
102.5°	202.5	204.9	206.4	207.0	207.7	208.3	209.0
105°	257.0	258.4	259.4	260.2	260.9	261.5	262.3
107.5°	316.0	316.7	317.1	317.0	316.9	316.9	316.8
110°	357.4	358.2	358.4	358.2	357.9	357.7	357.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	398.6	398.9	398.9	398.5	398.1	397.6	397.2
115°	461.5	461.2	461.0	460.7	460.5	460.3	460.1
117.5°	525.3	525.5	525.1	524.2	523.3	522.4	521.4
120°	567.9	567.9	567.4	566.5	565.6	564.6	563.7
122.5°	609.7	609.4	609.0	608.2	607.5	606.7	606.0
125°	671.2	670.7	670.4	670.2	669.9	669.7	669.4
127.5°	732.8	732.6	732.2	731.8	731.3	730.8	730.3
130°	773.5	773.2	772.8	772.4	771.9	771.4	770.9
132.5°	812.4	812.1	811.7	811.1	810.3	809.7	809.0
135°	872.5	872.5	872.0	871.1	870.2	869.2	868.3
137.5°	931.1	931.4	930.9	929.8	928.5	927.4	926.3
140°	968.0	968.5	968.2	966.9	965.8	964.7	963.4
142.5°	1003.9	1004.1	1003.7	1002.5	1001.4	1000.1	999.0
145°	1055.5	1055.5	1055.1	1054.4	1053.7	1053.0	1052.3
147.5°	1104.1	1104.6	1104.2	1102.5	1101.0	1099.3	1097.8
150°	1133.8	1133.8	1133.5	1133.0	1132.5	1132.0	1131.6
152.5°	1162.5	1163.0	1162.9	1162.0	1161.2	1160.3	1159.5
155°	1203.1	1204.1	1204.0	1202.8	1201.7	1200.4	1199.3
157.5°	1238.0	1239.0	1238.7	1237.1	1235.6	1234.0	1232.5
160°	1259.2	1260.1	1260.0	1258.9	1257.7	1256.5	1255.3
162.5°	1279.2	1280.3	1280.3	1278.9	1277.5	1276.2	1274.8
165°	1305.8	1306.7	1306.4	1305.0	1303.7	1302.2	1300.8
167.5°	1326.0	1327.4	1327.4	1325.9	1324.5	1323.0	1321.5
170°	1337.8	1339.2	1339.1	1337.5	1335.9	1334.2	1332.5
172.5°	1346.3	1347.7	1347.7	1346.2	1344.8	1343.3	1341.8
175°	1355.8	1357.2	1357.1	1355.4	1353.8	1352.2	1350.5
177.5°	1359.8	1361.0	1360.9	1359.5	1358.2	1356.9	1355.6
180°	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0	1359.0

(END OF REPORT)