

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: P331858-940

Luminaire Tested: **S122RDIW-S1005D1240U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331858-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122RDIW-S1005D1240U940-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1240 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

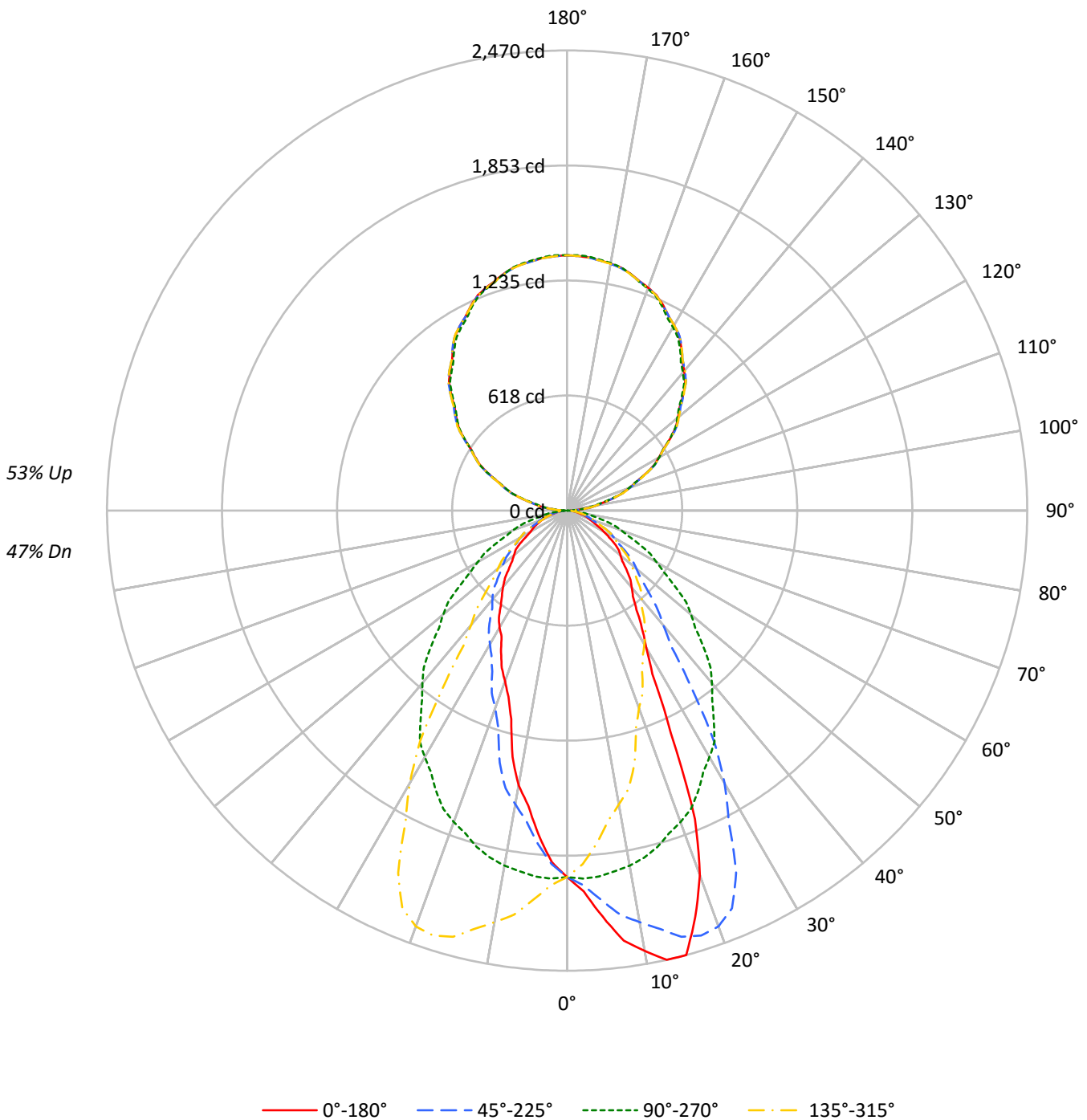
Lumens per Lamp: N/A  
Luminaire Lumens: 7235.3 lumens  
Efficiency: N/A  
Efficacy: 95.0 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 76.2  
Input Voltage (V): 120  
Input Current (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	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53	47
1	98	94	90	87	90	86	83	81	73	70	68	60	58	57	48	47	46	41
2	90	83	77	72	82	76	72	67	65	61	58	54	51	49	43	42	40	36
3	82	73	67	61	76	68	62	57	58	53	50	48	45	42	39	37	35	31
4	76	66	58	52	70	61	54	49	52	47	43	43	40	37	36	33	31	27
5	70	59	51	46	64	55	48	43	47	42	38	39	36	33	33	30	28	24
6	65	53	45	40	59	49	43	38	42	37	33	36	32	29	30	27	25	22
7	60	48	41	35	55	45	38	34	39	34	30	33	29	26	28	25	22	20
8	56	44	37	32	51	41	35	30	36	30	27	30	26	24	26	23	20	18
9	52	40	33	28	48	38	31	27	33	28	24	28	24	21	24	21	19	17
10	49	37	30	26	45	35	29	25	30	25	22	26	22	20	22	19	17	15

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

	0°	90°	180°	270°
0°	31752	31752	31752	31752
5°	35462	31951	28329	31951
10°	39346	31727	24556	31727
15°	41279	31263	19348	31263
20°	35787	30574	16744	30574
25°	23469	29630	14949	29630
30°	15797	28486	13530	28486
35°	12796	27045	12203	27045
40°	11377	25478	11291	25478
45°	10298	23640	10079	23640
50°	9372	21815	9339	21815
55°	8811	19792	8695	19792
60°	7369	17938	7282	17938
65°	6212	16290	7049	16290
70°	5740	14549	6647	14549
75°	5371	12664	6138	12664
80°	4956	10423	5467	10423
85°	4557	8225	4798	8225



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.4	2.6
10°-20°	519.5	7.2
20°-30°	669.4	9.3
30°-40°	636.1	8.8
40°-50°	544.9	7.5
50°-60°	415.0	5.7
60°-70°	262.3	3.6
70°-80°	131.0	1.8
80°-90°	39.6	0.5
90°-100°	86.8	1.2
100°-110°	269.6	3.7
110°-120°	460.9	6.4
120°-130°	606.1	8.4
130°-140°	680.3	9.4
140°-150°	667.1	9.2
150°-160°	559.5	7.7
160°-170°	371.1	5.1
170°-180°	129.7	1.8
0°-30°	1375.3	19.0
0°-40°	2011.4	27.8
0°-60°	2971.3	41.1
0°-90°	3404.2	47.0
90°-120°	817.4	11.3
90°-150°	2770.9	38.3
90°-180°	3831.0	52.9
0°-180°	7235.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1967	1967	1967	1967	1967	
5°	2188	1971	1748	1971	2188	216
15°	2470	1870	1158	1870	2470	666
25°	1317	1663	839	1663	1317	625
35°	649	1372	619	1372	649	415
45°	451	1035	441	1035	451	349
55°	313	703	309	703	313	275
65°	163	426	184	426	163	166
75°	86	203	98	203	86	91
85°	25	44	26	44	25	27
90°	39	1	39	1	39	18
95°	72	60	72	60	72	80
105°	257	249	257	249	257	270
115°	462	462	462	462	462	457
125°	675	673	675	673	675	602
135°	881	871	881	871	881	678
145°	1068	1057	1068	1057	1068	667
155°	1218	1208	1218	1208	1218	560
165°	1316	1315	1316	1315	1316	371
175°	1363	1368	1363	1368	1363	130
180°	1370	1370	1370	1370	1370	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6
2.5°	2046.4	2048.1	2049.7	2045.9	2045.9	2042.6	2035.5	2030.0	2014.7	2012.5	2012.5
5°	2188.0	2186.7	2189.3	2180.5	2168.2	2165.4	2152.5	2135.4	2117.6	2097.8	2093.7
7.5°	2328.8	2326.7	2321.2	2319.8	2310.3	2289.6	2268.8	2246.5	2217.0	2188.2	2173.6
10°	2399.9	2422.4	2408.7	2384.8	2389.6	2357.5	2340.4	2311.0	2286.4	2243.4	2233.8
12.5°	2469.8	2478.7	2474.3	2460.8	2454.6	2432.3	2409.2	2383.7	2338.3	2299.6	2266.0
15°	2469.5	2482.5	2485.9	2481.8	2485.3	2483.9	2471.6	2450.4	2410.7	2368.4	2331.5
17.5°	2287.2	2296.2	2318.6	2333.8	2353.0	2393.4	2413.3	2421.2	2415.3	2391.1	2365.1
20°	2082.8	2067.7	2130.6	2162.8	2190.0	2258.3	2317.1	2339.7	2375.9	2375.3	2368.4
22.5°	1793.1	1796.6	1856.2	1894.4	1974.2	2042.5	2109.4	2194.3	2264.4	2310.7	2337.8
25°	1317.4	1343.5	1402.8	1454.8	1543.6	1670.7	1786.2	1920.1	2046.6	2146.3	2241.3
27.5°	989.4	991.4	1038.5	1086.5	1139.2	1243.4	1388.8	1548.7	1728.9	1877.7	2048.7
30°	847.3	843.2	863.0	892.4	937.5	1018.2	1127.5	1284.7	1464.4	1688.5	1888.0
32.5°	746.7	747.0	761.9	783.6	821.1	875.5	950.4	1078.0	1247.9	1468.2	1702.2
35°	649.2	648.5	659.4	675.1	690.8	725.7	776.9	843.9	960.7	1166.4	1405.6
37.5°	579.2	582.2	587.5	597.4	614.7	634.1	664.9	709.8	793.1	914.7	1115.7
40°	539.8	541.2	548.7	556.9	567.1	582.2	607.4	643.7	704.5	801.6	948.4
42.5°	503.7	505.2	510.4	518.1	526.2	541.2	562.1	593.4	642.7	718.5	839.6
45°	451.0	451.0	455.8	459.2	468.1	481.7	498.8	524.8	558.9	615.0	695.6
47.5°	401.5	401.6	404.8	410.7	416.3	427.0	443.7	464.9	489.8	533.2	602.0
50°	373.1	373.8	375.9	380.6	384.1	393.6	406.6	425.0	451.0	484.5	541.9
52.5°	350.2	349.7	352.3	354.4	356.7	363.6	373.3	389.5	412.7	441.8	489.4
55°	313.0	310.2	314.3	317.7	319.8	322.5	328.0	338.2	358.0	382.6	418.2
57.5°	266.5	265.4	268.3	271.4	277.9	285.3	289.9	296.4	306.7	324.3	359.5
60°	228.2	228.2	234.3	236.4	244.0	253.5	263.1	268.6	278.8	290.4	316.4
62.5°	194.3	194.9	197.8	199.8	204.0	215.8	229.2	241.2	250.9	262.0	279.2
65°	162.6	164.0	164.0	165.3	168.1	170.9	176.3	185.8	203.0	218.6	231.7
67.5°	138.0	138.5	138.8	140.2	140.9	143.9	146.1	150.3	154.3	169.2	185.3
70°	121.6	123.7	123.0	124.4	125.0	126.4	129.1	131.2	137.3	140.8	150.3
72.5°	106.3	107.8	107.7	108.5	110.3	110.6	112.7	114.8	118.8	121.6	126.8
75°	86.1	85.4	86.1	87.5	88.2	88.8	88.8	91.6	93.6	96.3	99.8
77.5°	66.4	67.1	67.0	67.1	67.2	68.5	68.3	69.6	71.6	72.9	74.6
80°	53.3	53.9	53.3	53.9	54.7	55.4	54.7	55.4	57.4	58.8	58.8
82.5°	41.3	41.4	41.8	42.0	42.1	42.3	43.2	43.3	44.9	44.6	45.1
85°	24.6	23.9	23.9	23.9	24.6	25.3	24.6	24.6	25.3	25.3	25.3
87.5°	16.6	17.1	17.0	17.0	16.9	16.9	17.1	17.7	17.3	17.9	16.2
90°	39.3	39.1	38.8	38.5	38.3	38.4	39.0	39.4	39.9	40.5	34.8
92.5°	37.5	37.5	37.4	37.3	37.3	37.2	37.1	37.0	36.8	36.7	35.4
95°	71.7	72.2	72.7	73.2	73.7	74.0	74.0	74.0	74.0	74.0	73.5
97.5°	124.2	124.2	124.3	124.3	124.4	124.4	124.4	124.4	124.4	124.4	123.4
100°	158.4	158.6	158.9	159.2	159.4	159.5	159.5	159.5	159.5	159.5	158.8
102.5°	197.2	197.5	197.8	198.0	198.3	198.3	198.1	197.9	197.7	197.5	196.5
105°	256.7	256.7	256.7	256.7	256.7	256.5	255.9	255.4	254.9	254.4	253.9
107.5°	312.6	313.8	315.0	316.2	317.4	317.9	317.6	317.4	317.3	317.0	317.0
110°	356.1	356.9	357.7	358.5	359.2	359.6	359.6	359.6	359.6	359.6	359.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	397.7	398.3	398.9	399.4	400.0	400.6	401.2	401.8	402.4	403.1	403.2
115°	462.5	463.2	464.0	464.8	465.6	466.1	466.4	466.6	466.9	467.1	467.6
117.5°	524.2	525.0	525.8	526.6	527.4	528.0	528.6	529.2	529.9	530.5	531.9
120°	567.8	568.5	569.3	570.0	570.8	571.1	571.1	571.1	571.1	571.1	573.2
122.5°	610.3	610.8	611.4	612.0	612.5	613.1	613.8	614.4	614.9	615.5	617.0
125°	675.2	675.5	675.7	676.0	676.3	676.8	677.5	678.3	679.1	679.8	680.6
127.5°	734.4	735.3	736.1	736.9	737.7	738.6	739.5	740.5	741.4	742.3	743.2
130°	776.9	778.0	779.1	780.1	781.1	781.9	782.4	782.9	783.4	783.9	784.4
132.5°	817.7	818.5	819.3	820.2	821.0	822.0	823.0	824.2	825.4	826.4	826.3
135°	881.0	881.8	882.6	883.3	884.1	884.7	884.9	885.2	885.4	885.6	885.2
137.5°	938.4	939.4	940.5	941.5	942.5	943.2	943.3	943.5	943.8	944.0	943.3
140°	978.2	979.2	980.3	981.2	982.3	982.8	982.8	982.8	982.8	982.8	981.5
142.5°	1014.2	1015.3	1016.3	1017.4	1018.3	1018.8	1018.6	1018.3	1018.2	1018.0	1017.1
145°	1068.4	1069.4	1070.4	1071.5	1072.5	1072.8	1072.6	1072.4	1072.1	1071.8	1070.3
147.5°	1116.7	1117.7	1118.7	1119.6	1120.6	1120.8	1120.3	1119.6	1119.1	1118.6	1117.5
150°	1148.2	1148.9	1149.7	1150.5	1151.2	1151.2	1150.5	1149.7	1148.9	1148.2	1147.1
152.5°	1177.8	1178.8	1179.7	1180.6	1181.6	1181.6	1180.6	1179.7	1178.8	1177.8	1176.5
155°	1217.5	1218.3	1219.1	1219.9	1220.6	1220.3	1219.1	1217.8	1216.5	1215.2	1214.4
157.5°	1251.7	1252.9	1254.2	1255.4	1256.7	1256.4	1254.6	1252.9	1251.2	1249.5	1248.9
160°	1273.0	1274.1	1275.1	1276.1	1277.1	1276.8	1275.3	1273.8	1272.2	1270.7	1270.4
162.5°	1291.6	1292.7	1294.0	1295.2	1296.5	1296.2	1294.4	1292.7	1290.9	1289.2	1289.0
165°	1315.8	1317.1	1318.4	1319.6	1320.9	1320.7	1318.8	1317.1	1315.3	1313.5	1313.5
167.5°	1335.7	1337.0	1338.4	1339.7	1341.0	1340.8	1339.0	1337.2	1335.4	1333.6	1333.6
170°	1345.9	1347.4	1349.0	1350.5	1352.0	1351.9	1350.1	1348.3	1346.5	1344.7	1345.0
172.5°	1354.2	1355.8	1357.3	1358.8	1360.3	1360.2	1358.4	1356.6	1354.9	1353.0	1353.3
175°	1363.2	1364.8	1366.3	1367.8	1369.4	1369.2	1367.4	1365.7	1363.9	1362.0	1362.5
177.5°	1367.3	1368.6	1369.8	1371.1	1372.3	1372.3	1371.1	1369.8	1368.6	1367.3	1367.8
180°	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6
2.5°	2013.7	2009.2	2005.5	1995.6	1990.7	1979.7	1978.1	1977.5	1963.4	1949.6	1945.8
5°	2082.8	2071.8	2055.5	2036.3	2016.5	1996.0	1982.4	1971.4	1944.0	1918.1	1903.1
7.5°	2152.5	2129.0	2100.7	2064.5	2034.3	2000.4	1975.2	1952.7	1913.9	1876.7	1851.6
10°	2204.4	2166.1	2128.5	2078.7	2039.7	2001.4	1966.0	1935.2	1891.4	1842.3	1807.4
12.5°	2236.7	2194.6	2142.8	2094.0	2043.5	1994.9	1947.3	1907.8	1856.5	1805.6	1764.2
15°	2280.3	2235.2	2172.3	2102.6	2037.6	1974.2	1919.5	1870.3	1803.3	1742.5	1691.9
17.5°	2316.0	2253.9	2186.4	2105.8	2030.6	1949.8	1879.5	1816.6	1742.0	1668.7	1609.1
20°	2327.4	2265.9	2188.0	2107.4	2018.6	1923.6	1847.7	1779.4	1699.4	1619.4	1551.1
22.5°	2320.3	2272.4	2185.9	2089.4	1998.3	1899.0	1813.3	1734.0	1645.3	1563.7	1484.4
25°	2272.1	2255.7	2173.6	2068.4	1964.5	1849.1	1750.0	1663.2	1562.1	1474.6	1388.5
27.5°	2159.5	2194.9	2144.1	2032.0	1916.6	1792.8	1681.4	1582.6	1477.7	1379.2	1293.4
30°	2051.4	2132.6	2110.8	2006.9	1877.8	1756.1	1631.1	1527.9	1415.9	1314.7	1230.0
32.5°	1903.2	2037.6	2058.9	1971.9	1838.4	1704.8	1573.7	1471.1	1354.1	1247.5	1164.9
35°	1667.3	1868.2	1960.4	1905.1	1771.2	1627.0	1491.7	1372.1	1254.5	1149.3	1067.4
37.5°	1385.9	1659.6	1813.3	1817.2	1694.3	1544.4	1397.0	1278.3	1158.0	1054.6	966.0
40°	1203.4	1499.9	1700.1	1744.5	1640.7	1478.7	1329.7	1208.8	1091.3	990.2	888.3
42.5°	1039.4	1334.8	1580.9	1658.1	1575.7	1414.8	1265.2	1138.8	1024.6	928.9	824.9
45°	840.5	1098.8	1370.0	1508.1	1462.3	1313.3	1155.5	1035.3	927.9	845.3	745.5
47.5°	709.0	891.1	1153.6	1340.2	1339.4	1203.5	1048.2	933.0	833.5	756.0	675.3
50°	634.1	792.6	1014.8	1226.5	1244.3	1130.2	982.6	868.5	775.6	694.3	629.4
52.5°	566.9	697.5	897.2	1100.3	1150.8	1052.0	908.8	803.4	713.3	638.5	582.9
55°	479.0	580.1	731.8	921.8	998.4	928.6	801.6	703.1	630.0	567.1	519.3
57.5°	405.2	481.1	602.8	755.7	844.9	801.0	696.2	616.3	553.7	496.8	459.1
60°	358.7	420.9	524.1	651.9	750.3	719.5	630.0	555.5	502.2	453.1	417.5
62.5°	315.0	368.5	456.9	560.6	650.8	638.1	565.0	502.5	455.8	411.0	380.8
65°	253.5	292.5	361.5	442.8	515.2	521.4	468.8	426.4	384.7	349.2	322.5
67.5°	201.9	227.3	275.9	344.4	398.7	418.0	385.9	353.6	320.5	293.0	269.9
70°	170.1	190.6	226.1	281.5	331.4	351.9	333.5	308.2	279.5	256.9	237.1
72.5°	137.9	157.8	184.0	224.7	267.4	289.6	283.2	265.0	241.7	223.0	204.3
75°	103.9	110.0	127.8	155.2	188.6	207.8	212.5	203.0	184.5	170.1	159.2
77.5°	76.8	80.5	89.0	103.3	125.2	142.2	149.3	148.1	135.5	127.1	116.8
80°	61.5	63.6	67.7	73.8	90.2	107.3	112.1	112.1	103.2	99.8	89.5
82.5°	46.7	48.2	50.7	54.1	61.8	76.7	82.0	83.1	77.5	72.9	64.9
85°	26.7	25.9	27.4	29.4	30.8	34.9	43.1	44.4	43.1	37.5	35.5
87.5°	15.2	14.5	13.4	11.9	11.9	11.9	14.0	16.1	14.5	13.5	13.0
90°	29.2	23.5	17.8	13.5	10.4	7.3	4.3	1.2	4.3	7.3	10.4
92.5°	34.1	32.7	31.4	29.6	27.4	25.1	22.8	20.6	22.8	25.1	27.4
95°	72.9	72.5	72.0	70.4	67.9	65.3	62.7	60.1	62.7	65.3	67.9
97.5°	122.4	121.5	120.5	118.9	116.6	114.4	112.1	109.9	112.1	114.4	116.6
100°	158.0	157.2	156.5	155.1	153.0	151.0	148.9	146.9	148.9	151.0	153.0
102.5°	195.6	194.6	193.6	192.3	190.6	189.0	187.3	185.7	187.3	189.0	190.6
105°	253.3	252.8	252.4	251.6	250.9	250.1	249.3	248.6	249.3	250.1	250.9
107.5°	317.0	317.0	317.0	316.5	315.3	314.2	313.1	311.9	313.1	314.2	315.3
110°	359.6	359.6	359.6	358.8	357.3	355.7	354.2	352.7	354.2	355.7	357.3





TEST NUMBER: P331858-940

CATALOG NUMBER: S122RDIW-S1005D1240U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	403.5	403.7	403.9	403.2	401.7	400.1	398.6	397.1	398.6	400.1	401.7
115°	468.1	468.7	469.1	468.7	467.1	465.6	464.0	462.5	464.0	465.6	467.1
117.5°	533.3	534.8	536.3	535.9	533.9	531.8	529.8	527.7	529.8	531.8	533.9
120°	575.3	577.4	579.4	579.4	577.4	575.3	573.2	571.1	573.2	575.3	577.4
122.5°	618.5	619.9	621.3	620.8	618.3	615.9	613.4	610.9	613.4	615.9	618.3
125°	681.4	682.2	683.0	682.2	679.8	677.5	675.2	672.9	675.2	677.5	679.8
127.5°	744.1	745.1	746.0	745.0	742.1	739.1	736.2	733.3	736.2	739.1	742.1
130°	785.0	785.5	786.0	784.5	781.2	777.9	774.5	771.2	774.5	777.9	781.2
132.5°	826.3	826.2	826.1	824.7	821.9	819.2	816.5	813.8	816.5	819.2	821.9
135°	884.7	884.1	883.6	882.0	879.1	876.3	873.4	870.7	873.4	876.3	879.1
137.5°	942.6	941.9	941.3	939.8	937.5	935.1	932.8	930.5	932.8	935.1	937.5
140°	980.3	978.9	977.7	975.9	973.6	971.3	968.9	966.6	968.9	971.3	973.6
142.5°	1016.2	1015.3	1014.4	1012.9	1010.6	1008.3	1005.9	1003.6	1005.9	1008.3	1010.6
145°	1068.7	1067.2	1065.7	1064.0	1062.2	1060.4	1058.6	1056.8	1058.6	1060.4	1062.2
147.5°	1116.5	1115.4	1114.5	1112.9	1110.7	1108.5	1106.3	1104.2	1106.3	1108.5	1110.7
150°	1146.1	1145.0	1144.1	1142.7	1141.2	1139.7	1138.1	1136.6	1138.1	1139.7	1141.2
152.5°	1175.3	1174.0	1172.8	1171.4	1169.8	1168.3	1166.8	1165.3	1166.8	1168.3	1169.8
155°	1213.6	1212.9	1212.1	1211.4	1210.6	1209.8	1209.1	1208.3	1209.1	1209.8	1210.6
157.5°	1248.5	1248.0	1247.6	1247.1	1246.6	1246.1	1245.5	1245.0	1245.5	1246.1	1246.6
160°	1270.2	1269.9	1269.7	1269.3	1268.8	1268.3	1267.7	1267.2	1267.7	1268.3	1268.8
162.5°	1288.7	1288.4	1288.2	1288.0	1287.9	1287.8	1287.7	1287.5	1287.7	1287.8	1287.9
165°	1313.5	1313.5	1313.5	1313.6	1313.8	1314.1	1314.4	1314.6	1314.4	1314.1	1313.8
167.5°	1333.7	1333.7	1333.8	1334.2	1335.0	1335.8	1336.5	1337.3	1336.5	1335.8	1335.0
170°	1345.2	1345.5	1345.8	1346.2	1347.0	1347.8	1348.5	1349.3	1348.5	1347.8	1347.0
172.5°	1353.5	1353.8	1354.1	1354.6	1355.3	1356.1	1356.9	1357.6	1356.9	1356.1	1355.3
175°	1363.1	1363.6	1364.1	1364.8	1365.5	1366.3	1367.1	1367.8	1367.1	1366.3	1365.5
177.5°	1368.2	1368.6	1369.0	1369.5	1370.1	1370.7	1371.4	1372.0	1371.4	1370.7	1370.1
180°	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1



TEST NUMBER: P331858-940

CATALOG NUMBER: S122RDIW-S1005D1240U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6
2.5°	1938.8	1934.9	1927.8	1916.8	1910.3	1898.8	1891.1	1895.5	1896.7	1895.5	1894.4
5°	1886.7	1872.3	1852.5	1833.4	1815.6	1796.4	1785.6	1780.7	1771.2	1765.7	1763.0
7.5°	1823.6	1798.9	1770.9	1737.6	1709.2	1679.6	1664.5	1656.9	1637.4	1626.7	1617.4
10°	1776.6	1737.7	1709.7	1666.0	1639.3	1600.4	1573.7	1574.4	1547.7	1532.7	1521.8
12.5°	1724.7	1681.9	1635.3	1596.0	1559.0	1527.7	1495.5	1482.6	1454.3	1439.8	1410.2
15°	1638.6	1588.8	1539.5	1486.2	1448.7	1400.2	1353.7	1297.0	1251.2	1211.6	1200.6
17.5°	1544.6	1482.8	1433.5	1370.9	1306.5	1224.9	1171.1	1138.2	1110.5	1089.7	1074.1
20°	1480.1	1417.2	1364.6	1270.3	1183.5	1128.2	1088.5	1063.3	1034.6	1012.0	999.7
22.5°	1412.3	1346.7	1275.0	1169.7	1102.1	1057.7	1022.3	993.3	973.8	956.3	945.0
25°	1316.1	1244.3	1126.1	1053.6	999.0	952.5	927.9	910.2	889.7	865.8	854.9
27.5°	1214.4	1100.3	1015.4	961.5	909.4	879.1	857.0	830.5	812.2	801.4	790.1
30°	1138.4	1024.3	958.1	899.3	862.4	828.8	802.9	787.9	770.1	751.6	744.1
32.5°	1053.6	962.5	899.0	850.1	812.6	784.1	763.6	739.2	726.4	715.1	699.3
35°	948.4	879.4	821.4	781.8	746.2	723.0	699.0	684.7	661.5	651.9	645.8
37.5°	859.3	799.5	756.2	714.3	686.2	660.5	645.9	623.0	613.0	599.7	586.7
40°	809.0	750.3	708.6	674.4	643.0	623.8	605.4	587.0	571.9	565.8	550.1
42.5°	757.7	709.8	668.2	630.7	609.7	589.4	566.1	552.5	537.0	527.0	517.3
45°	686.7	644.4	608.9	578.1	554.8	533.7	518.6	496.1	487.2	467.4	459.2
47.5°	624.5	585.1	551.2	521.9	499.3	485.4	463.4	445.8	431.6	419.5	408.9
50°	580.1	547.3	514.5	488.6	468.1	448.3	425.7	416.8	394.9	388.8	382.6
52.5°	539.7	508.5	478.5	453.1	432.6	413.3	393.4	381.8	367.1	361.0	356.4
55°	483.1	453.1	424.4	401.8	381.3	361.5	349.2	334.8	328.0	323.2	317.7
57.5°	426.2	399.2	377.2	354.4	333.8	318.0	303.8	295.2	288.1	281.8	275.3
60°	390.2	364.2	344.4	323.2	302.0	289.0	278.1	267.9	259.7	250.1	247.4
62.5°	351.9	329.2	311.0	290.4	272.0	260.1	249.7	240.0	230.2	216.2	212.4
65°	299.3	281.5	262.4	245.3	228.9	217.3	202.2	191.4	187.3	185.8	185.2
67.5°	251.7	235.0	218.6	201.0	186.1	175.3	167.7	166.0	163.2	162.4	160.4
70°	220.1	204.3	187.9	171.5	157.2	155.2	152.4	149.6	146.2	144.9	143.5
72.5°	191.6	175.3	158.9	145.8	139.6	137.1	134.4	131.6	129.3	128.0	127.1
75°	147.0	131.9	120.9	116.2	112.7	110.7	106.6	104.5	103.2	101.1	100.4
77.5°	105.8	97.3	92.3	89.3	85.7	83.5	81.1	79.1	77.7	77.2	76.2
80°	80.6	76.5	73.1	69.0	67.7	64.9	64.2	62.2	62.9	60.8	60.8
82.5°	62.6	57.4	54.6	52.6	51.3	49.0	48.4	47.4	47.5	46.0	46.0
85°	32.1	30.8	29.4	28.0	28.0	25.9	26.7	25.9	25.9	24.6	23.9
87.5°	13.1	13.4	13.5	14.5	15.7	16.3	16.2	15.5	15.4	15.3	14.8
90°	13.5	17.8	23.5	29.2	34.8	40.5	39.9	39.4	39.0	38.4	38.3
92.5°	29.6	31.4	32.7	34.1	35.4	36.7	36.8	37.0	37.1	37.2	37.3
95°	70.4	72.0	72.5	72.9	73.5	74.0	74.0	74.0	74.0	74.0	73.7
97.5°	118.9	120.5	121.5	122.4	123.4	124.4	124.4	124.4	124.4	124.4	124.4
100°	155.1	156.5	157.2	158.0	158.8	159.5	159.5	159.5	159.5	159.5	159.4
102.5°	192.3	193.6	194.6	195.6	196.5	197.5	197.7	197.9	198.1	198.3	198.3
105°	251.6	252.4	252.8	253.3	253.9	254.4	254.9	255.4	255.9	256.5	256.7
107.5°	316.5	317.0	317.0	317.0	317.0	317.0	317.3	317.4	317.6	317.9	317.4
110°	358.8	359.6	359.6	359.6	359.6	359.6	359.6	359.6	359.6	359.6	359.2



TEST NUMBER: P331858-940

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	403.2	403.9	403.7	403.5	403.2	403.1	402.4	401.8	401.2	400.6	400.0
115°	468.7	469.1	468.7	468.1	467.6	467.1	466.9	466.6	466.4	466.1	465.6
117.5°	535.9	536.3	534.8	533.3	531.9	530.5	529.9	529.2	528.6	528.0	527.4
120°	579.4	579.4	577.4	575.3	573.2	571.1	571.1	571.1	571.1	571.1	570.8
122.5°	620.8	621.3	619.9	618.5	617.0	615.5	614.9	614.4	613.8	613.1	612.5
125°	682.2	683.0	682.2	681.4	680.6	679.8	679.1	678.3	677.5	676.8	676.3
127.5°	745.0	746.0	745.1	744.1	743.2	742.3	741.4	740.5	739.5	738.6	737.7
130°	784.5	786.0	785.5	785.0	784.4	783.9	783.4	782.9	782.4	781.9	781.1
132.5°	824.7	826.1	826.2	826.3	826.3	826.4	825.4	824.2	823.0	822.0	821.0
135°	882.0	883.6	884.1	884.7	885.2	885.6	885.4	885.2	884.9	884.7	884.1
137.5°	939.8	941.3	941.9	942.6	943.3	944.0	943.8	943.5	943.3	943.2	942.5
140°	975.9	977.7	978.9	980.3	981.5	982.8	982.8	982.8	982.8	982.8	982.3
142.5°	1012.9	1014.4	1015.3	1016.2	1017.1	1018.0	1018.2	1018.3	1018.6	1018.8	1018.3
145°	1064.0	1065.7	1067.2	1068.7	1070.3	1071.8	1072.1	1072.4	1072.6	1072.8	1072.5
147.5°	1112.9	1114.5	1115.4	1116.5	1117.5	1118.6	1119.1	1119.6	1120.3	1120.8	1120.6
150°	1142.7	1144.1	1145.0	1146.1	1147.1	1148.2	1148.9	1149.7	1150.5	1151.2	1151.2
152.5°	1171.4	1172.8	1174.0	1175.3	1176.5	1177.8	1178.8	1179.7	1180.6	1181.6	1181.6
155°	1211.4	1212.1	1212.9	1213.6	1214.4	1215.2	1216.5	1217.8	1219.1	1220.3	1220.6
157.5°	1247.1	1247.6	1248.0	1248.5	1248.9	1249.5	1251.2	1252.9	1254.6	1256.4	1256.7
160°	1269.3	1269.7	1269.9	1270.2	1270.4	1270.7	1272.2	1273.8	1275.3	1276.8	1277.1
162.5°	1288.0	1288.2	1288.4	1288.7	1289.0	1289.2	1290.9	1292.7	1294.4	1296.2	1296.5
165°	1313.6	1313.5	1313.5	1313.5	1313.5	1313.5	1315.3	1317.1	1318.8	1320.7	1320.9
167.5°	1334.2	1333.8	1333.7	1333.7	1333.6	1333.6	1335.4	1337.2	1339.0	1340.8	1341.0
170°	1346.2	1345.8	1345.5	1345.2	1345.0	1344.7	1346.5	1348.3	1350.1	1351.9	1352.0
172.5°	1354.6	1354.1	1353.8	1353.5	1353.3	1353.0	1354.9	1356.6	1358.4	1360.2	1360.3
175°	1364.8	1364.1	1363.6	1363.1	1362.5	1362.0	1363.9	1365.7	1367.4	1369.2	1369.4
177.5°	1369.5	1369.0	1368.6	1368.2	1367.8	1367.3	1368.6	1369.8	1371.1	1372.3	1372.3
180°	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6
2.5°	1888.5	1889.5	1887.9	1889.0	1887.9	1889.5	1888.5	1894.4	1895.5	1896.7	1895.5
5°	1759.5	1751.3	1750.0	1747.9	1750.0	1751.3	1759.5	1763.0	1765.7	1771.2	1780.7
7.5°	1605.7	1604.5	1601.1	1596.3	1601.1	1604.5	1605.7	1617.4	1626.7	1637.4	1656.9
10°	1506.7	1503.3	1502.6	1497.8	1502.6	1503.3	1506.7	1521.8	1532.7	1547.7	1574.4
12.5°	1390.8	1368.9	1366.5	1354.6	1366.5	1368.9	1390.8	1410.2	1439.8	1454.3	1482.6
15°	1184.2	1180.1	1166.4	1157.5	1166.4	1180.1	1184.2	1200.6	1211.6	1251.2	1297.0
17.5°	1066.1	1052.8	1048.5	1046.6	1048.5	1052.8	1066.1	1074.1	1089.7	1110.5	1138.2
20°	990.2	977.9	975.8	974.5	975.8	977.9	990.2	999.7	1012.0	1034.6	1063.3
22.5°	937.6	924.8	919.4	915.3	919.4	924.8	937.6	945.0	956.3	973.8	993.3
25°	848.0	843.2	840.5	839.1	840.5	843.2	848.0	854.9	865.8	889.7	910.2
27.5°	777.9	767.4	765.4	761.8	765.4	767.4	777.9	790.1	801.4	812.2	830.5
30°	738.0	734.6	729.8	725.7	729.8	734.6	738.0	744.1	751.6	770.1	787.9
32.5°	691.0	688.1	683.9	682.0	683.9	688.1	691.0	699.3	715.1	726.4	739.2
35°	638.9	629.4	625.3	619.1	625.3	629.4	638.9	645.8	651.9	661.5	684.7
37.5°	583.8	578.8	573.0	575.1	573.0	578.8	583.8	586.7	599.7	613.0	623.0
40°	541.2	537.8	536.5	535.7	536.5	537.8	541.2	550.1	565.8	571.9	587.0
42.5°	507.3	497.8	494.3	494.2	494.3	497.8	507.3	517.3	527.0	537.0	552.5
45°	455.8	446.9	440.8	441.4	440.8	446.9	455.8	459.2	467.4	487.2	496.1
47.5°	403.1	402.8	399.0	400.1	399.0	402.8	403.1	408.9	419.5	431.6	445.8
50°	377.9	373.8	371.0	371.8	371.0	373.8	377.9	382.6	388.8	394.9	416.8
52.5°	353.8	350.3	348.1	351.0	348.1	350.3	353.8	356.4	361.0	367.1	381.8
55°	314.3	310.2	309.5	308.9	309.5	310.2	314.3	317.7	323.2	328.0	334.8
57.5°	270.2	267.4	263.3	261.5	263.3	267.4	270.2	275.3	281.8	288.1	295.2
60°	238.4	233.0	226.1	225.5	226.1	233.0	238.4	247.4	250.1	259.7	267.9
62.5°	209.5	208.4	207.1	206.9	207.1	208.4	209.5	212.4	216.2	230.2	240.0
65°	183.8	183.2	183.8	184.5	183.8	183.2	183.8	185.2	185.8	187.3	191.4
67.5°	160.2	158.9	157.7	158.3	157.7	158.9	160.2	160.4	162.4	163.2	166.0
70°	142.1	141.4	140.8	140.8	140.8	141.4	142.1	143.5	144.9	146.2	149.6
72.5°	124.7	124.5	123.9	123.2	123.9	124.5	124.7	127.1	128.0	129.3	131.6
75°	99.8	98.4	98.4	98.4	98.4	98.4	99.8	100.4	101.1	103.2	104.5
77.5°	76.0	75.3	74.6	74.1	74.6	75.3	76.0	76.2	77.2	77.7	79.1
80°	60.1	59.5	58.8	58.8	58.8	59.5	60.1	60.8	60.8	62.9	62.2
82.5°	45.9	45.2	45.1	44.6	45.1	45.2	45.9	46.0	46.0	47.5	47.4
85°	24.6	25.3	24.6	25.9	24.6	25.3	24.6	23.9	24.6	25.9	25.9
87.5°	14.8	14.4	14.9	14.4	14.9	14.4	14.8	14.8	15.3	15.4	15.5
90°	38.5	38.8	39.1	39.3	39.1	38.8	38.5	38.3	38.4	39.0	39.4
92.5°	37.3	37.4	37.5	37.5	37.5	37.4	37.3	37.3	37.2	37.1	37.0
95°	73.2	72.7	72.2	71.7	72.2	72.7	73.2	73.7	74.0	74.0	74.0
97.5°	124.3	124.3	124.2	124.2	124.2	124.3	124.3	124.4	124.4	124.4	124.4
100°	159.2	158.9	158.6	158.4	158.6	158.9	159.2	159.4	159.5	159.5	159.5
102.5°	198.0	197.8	197.5	197.2	197.5	197.8	198.0	198.3	198.3	198.1	197.9
105°	256.7	256.7	256.7	256.7	256.7	256.7	256.7	256.7	256.5	255.9	255.4
107.5°	316.2	315.0	313.8	312.6	313.8	315.0	316.2	317.4	317.9	317.6	317.4
110°	358.5	357.7	356.9	356.1	356.9	357.7	358.5	359.2	359.6	359.6	359.6



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	399.4	398.9	398.3	397.7	398.3	398.9	399.4	400.0	400.6	401.2	401.8
115°	464.8	464.0	463.2	462.5	463.2	464.0	464.8	465.6	466.1	466.4	466.6
117.5°	526.6	525.8	525.0	524.2	525.0	525.8	526.6	527.4	528.0	528.6	529.2
120°	570.0	569.3	568.5	567.8	568.5	569.3	570.0	570.8	571.1	571.1	571.1
122.5°	612.0	611.4	610.8	610.3	610.8	611.4	612.0	612.5	613.1	613.8	614.4
125°	676.0	675.7	675.5	675.2	675.5	675.7	676.0	676.3	676.8	677.5	678.3
127.5°	736.9	736.1	735.3	734.4	735.3	736.1	736.9	737.7	738.6	739.5	740.5
130°	780.1	779.1	778.0	776.9	778.0	779.1	780.1	781.1	781.9	782.4	782.9
132.5°	820.2	819.3	818.5	817.7	818.5	819.3	820.2	821.0	822.0	823.0	824.2
135°	883.3	882.6	881.8	881.0	881.8	882.6	883.3	884.1	884.7	884.9	885.2
137.5°	941.5	940.5	939.4	938.4	939.4	940.5	941.5	942.5	943.2	943.3	943.5
140°	981.2	980.3	979.2	978.2	979.2	980.3	981.2	982.3	982.8	982.8	982.8
142.5°	1017.4	1016.3	1015.3	1014.2	1015.3	1016.3	1017.4	1018.3	1018.8	1018.6	1018.3
145°	1071.5	1070.4	1069.4	1068.4	1069.4	1070.4	1071.5	1072.5	1072.8	1072.6	1072.4
147.5°	1119.6	1118.7	1117.7	1116.7	1117.7	1118.7	1119.6	1120.6	1120.8	1120.3	1119.6
150°	1150.5	1149.7	1148.9	1148.2	1148.9	1149.7	1150.5	1151.2	1151.2	1150.5	1149.7
152.5°	1180.6	1179.7	1178.8	1177.8	1178.8	1179.7	1180.6	1181.6	1181.6	1180.6	1179.7
155°	1219.9	1219.1	1218.3	1217.5	1218.3	1219.1	1219.9	1220.6	1220.3	1219.1	1217.8
157.5°	1255.4	1254.2	1252.9	1251.7	1252.9	1254.2	1255.4	1256.7	1256.4	1254.6	1252.9
160°	1276.1	1275.1	1274.1	1273.0	1274.1	1275.1	1276.1	1277.1	1276.8	1275.3	1273.8
162.5°	1295.2	1294.0	1292.7	1291.6	1292.7	1294.0	1295.2	1296.5	1296.2	1294.4	1292.7
165°	1319.6	1318.4	1317.1	1315.8	1317.1	1318.4	1319.6	1320.9	1320.7	1318.8	1317.1
167.5°	1339.7	1338.4	1337.0	1335.7	1337.0	1338.4	1339.7	1341.0	1340.8	1339.0	1337.2
170°	1350.5	1349.0	1347.4	1345.9	1347.4	1349.0	1350.5	1352.0	1351.9	1350.1	1348.3
172.5°	1358.8	1357.3	1355.8	1354.2	1355.8	1357.3	1358.8	1360.3	1360.2	1358.4	1356.6
175°	1367.8	1366.3	1364.8	1363.2	1364.8	1366.3	1367.8	1369.4	1369.2	1367.4	1365.7
177.5°	1371.1	1369.8	1368.6	1367.3	1368.6	1369.8	1371.1	1372.3	1372.3	1371.1	1369.8
180°	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6
2.5°	1891.1	1898.8	1910.3	1916.8	1927.8	1934.9	1938.8	1945.8	1949.6	1963.4	1977.5
5°	1785.6	1796.4	1815.6	1833.4	1852.5	1872.3	1886.7	1903.1	1918.1	1944.0	1971.4
7.5°	1664.5	1679.6	1709.2	1737.6	1770.9	1798.9	1823.6	1851.6	1876.7	1913.9	1952.7
10°	1573.7	1600.4	1639.3	1666.0	1709.7	1737.7	1776.6	1807.4	1842.3	1891.4	1935.2
12.5°	1495.5	1527.7	1559.0	1596.0	1635.3	1681.9	1724.7	1764.2	1805.6	1856.5	1907.8
15°	1353.7	1400.2	1448.7	1486.2	1539.5	1588.8	1638.6	1691.9	1742.5	1803.3	1870.3
17.5°	1171.1	1224.9	1306.5	1370.9	1433.5	1482.8	1544.6	1609.1	1668.7	1742.0	1816.6
20°	1088.5	1128.2	1183.5	1270.3	1364.6	1417.2	1480.1	1551.1	1619.4	1699.4	1779.4
22.5°	1022.3	1057.7	1102.1	1169.7	1275.0	1346.7	1412.3	1484.4	1563.7	1645.3	1734.0
25°	927.9	952.5	999.0	1053.6	1126.1	1244.3	1316.1	1388.5	1474.6	1562.1	1663.2
27.5°	857.0	879.1	909.4	961.5	1015.4	1100.3	1214.4	1293.4	1379.2	1477.7	1582.6
30°	802.9	828.8	862.4	899.3	958.1	1024.3	1138.4	1230.0	1314.7	1415.9	1527.9
32.5°	763.6	784.1	812.6	850.1	899.0	962.5	1053.6	1164.9	1247.5	1354.1	1471.1
35°	699.0	723.0	746.2	781.8	821.4	879.4	948.4	1067.4	1149.3	1254.5	1372.1
37.5°	645.9	660.5	686.2	714.3	756.2	799.5	859.3	966.0	1054.6	1158.0	1278.3
40°	605.4	623.8	643.0	674.4	708.6	750.3	809.0	888.3	990.2	1091.3	1208.8
42.5°	566.1	589.4	609.7	630.7	668.2	709.8	757.7	824.9	928.9	1024.6	1138.8
45°	518.6	533.7	554.8	578.1	608.9	644.4	686.7	745.5	845.3	927.9	1035.3
47.5°	463.4	485.4	499.3	521.9	551.2	585.1	624.5	675.3	756.0	833.5	933.0
50°	425.7	448.3	468.1	488.6	514.5	547.3	580.1	629.4	694.3	775.6	868.5
52.5°	393.4	413.3	432.6	453.1	478.5	508.5	539.7	582.9	638.5	713.3	803.4
55°	349.2	361.5	381.3	401.8	424.4	453.1	483.1	519.3	567.1	630.0	703.1
57.5°	303.8	318.0	333.8	354.4	377.2	399.2	426.2	459.1	496.8	553.7	616.3
60°	278.1	289.0	302.0	323.2	344.4	364.2	390.2	417.5	453.1	502.2	555.5
62.5°	249.7	260.1	272.0	290.4	311.0	329.2	351.9	380.8	411.0	455.8	502.5
65°	202.2	217.3	228.9	245.3	262.4	281.5	299.3	322.5	349.2	384.7	426.4
67.5°	167.7	175.3	186.1	201.0	218.6	235.0	251.7	269.9	293.0	320.5	353.6
70°	152.4	155.2	157.2	171.5	187.9	204.3	220.1	237.1	256.9	279.5	308.2
72.5°	134.4	137.1	139.6	145.8	158.9	175.3	191.6	204.3	223.0	241.7	265.0
75°	106.6	110.7	112.7	116.2	120.9	131.9	147.0	159.2	170.1	184.5	203.0
77.5°	81.1	83.5	85.7	89.3	92.3	97.3	105.8	116.8	127.1	135.5	148.1
80°	64.2	64.9	67.7	69.0	73.1	76.5	80.6	89.5	99.8	103.2	112.1
82.5°	48.4	49.0	51.3	52.6	54.6	57.4	62.6	64.9	72.9	77.5	83.1
85°	26.7	25.9	28.0	28.0	29.4	30.8	32.1	35.5	37.5	43.1	44.4
87.5°	16.2	16.3	15.7	14.5	13.5	13.4	13.1	13.0	13.5	14.5	16.1
90°	39.9	40.5	34.8	29.2	23.5	17.8	13.5	10.4	7.3	4.3	1.2
92.5°	36.8	36.7	35.4	34.1	32.7	31.4	29.6	27.4	25.1	22.8	20.6
95°	74.0	74.0	73.5	72.9	72.5	72.0	70.4	67.9	65.3	62.7	60.1
97.5°	124.4	124.4	123.4	122.4	121.5	120.5	118.9	116.6	114.4	112.1	109.9
100°	159.5	159.5	158.8	158.0	157.2	156.5	155.1	153.0	151.0	148.9	146.9
102.5°	197.7	197.5	196.5	195.6	194.6	193.6	192.3	190.6	189.0	187.3	185.7
105°	254.9	254.4	253.9	253.3	252.8	252.4	251.6	250.9	250.1	249.3	248.6
107.5°	317.3	317.0	317.0	317.0	317.0	317.0	316.5	315.3	314.2	313.1	311.9
110°	359.6	359.6	359.6	359.6	359.6	359.6	358.8	357.3	355.7	354.2	352.7



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	402.4	403.1	403.2	403.5	403.7	403.9	403.2	401.7	400.1	398.6	397.1
115°	466.9	467.1	467.6	468.1	468.7	469.1	468.7	467.1	465.6	464.0	462.5
117.5°	529.9	530.5	531.9	533.3	534.8	536.3	535.9	533.9	531.8	529.8	527.7
120°	571.1	571.1	573.2	575.3	577.4	579.4	579.4	577.4	575.3	573.2	571.1
122.5°	614.9	615.5	617.0	618.5	619.9	621.3	620.8	618.3	615.9	613.4	610.9
125°	679.1	679.8	680.6	681.4	682.2	683.0	682.2	679.8	677.5	675.2	672.9
127.5°	741.4	742.3	743.2	744.1	745.1	746.0	745.0	742.1	739.1	736.2	733.3
130°	783.4	783.9	784.4	785.0	785.5	786.0	784.5	781.2	777.9	774.5	771.2
132.5°	825.4	826.4	826.3	826.3	826.2	826.1	824.7	821.9	819.2	816.5	813.8
135°	885.4	885.6	885.2	884.7	884.1	883.6	882.0	879.1	876.3	873.4	870.7
137.5°	943.8	944.0	943.3	942.6	941.9	941.3	939.8	937.5	935.1	932.8	930.5
140°	982.8	982.8	981.5	980.3	978.9	977.7	975.9	973.6	971.3	968.9	966.6
142.5°	1018.2	1018.0	1017.1	1016.2	1015.3	1014.4	1012.9	1010.6	1008.3	1005.9	1003.6
145°	1072.1	1071.8	1070.3	1068.7	1067.2	1065.7	1064.0	1062.2	1060.4	1058.6	1056.8
147.5°	1119.1	1118.6	1117.5	1116.5	1115.4	1114.5	1112.9	1110.7	1108.5	1106.3	1104.2
150°	1148.9	1148.2	1147.1	1146.1	1145.0	1144.1	1142.7	1141.2	1139.7	1138.1	1136.6
152.5°	1178.8	1177.8	1176.5	1175.3	1174.0	1172.8	1171.4	1169.8	1168.3	1166.8	1165.3
155°	1216.5	1215.2	1214.4	1213.6	1212.9	1212.1	1211.4	1210.6	1209.8	1209.1	1208.3
157.5°	1251.2	1249.5	1248.9	1248.5	1248.0	1247.6	1247.1	1246.6	1246.1	1245.5	1245.0
160°	1272.2	1270.7	1270.4	1270.2	1269.9	1269.7	1269.3	1268.8	1268.3	1267.7	1267.2
162.5°	1290.9	1289.2	1289.0	1288.7	1288.4	1288.2	1288.0	1287.9	1287.8	1287.7	1287.5
165°	1315.3	1313.5	1313.5	1313.5	1313.5	1313.5	1313.6	1313.8	1314.1	1314.4	1314.6
167.5°	1335.4	1333.6	1333.6	1333.7	1333.7	1333.8	1334.2	1335.0	1335.8	1336.5	1337.3
170°	1346.5	1344.7	1345.0	1345.2	1345.5	1345.8	1346.2	1347.0	1347.8	1348.5	1349.3
172.5°	1354.9	1353.0	1353.3	1353.5	1353.8	1354.1	1354.6	1355.3	1356.1	1356.9	1357.6
175°	1363.9	1362.0	1362.5	1363.1	1363.6	1364.1	1364.8	1365.5	1366.3	1367.1	1367.8
177.5°	1368.6	1367.3	1367.8	1368.2	1368.6	1369.0	1369.5	1370.1	1370.7	1371.4	1372.0
180°	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6
2.5°	1978.1	1979.7	1990.7	1995.6	2005.5	2009.2	2013.7	2012.5	2012.5	2014.7	2030.0
5°	1982.4	1996.0	2016.5	2036.3	2055.5	2071.8	2082.8	2093.7	2097.8	2117.6	2135.4
7.5°	1975.2	2000.4	2034.3	2064.5	2100.7	2129.0	2152.5	2173.6	2188.2	2217.0	2246.5
10°	1966.0	2001.4	2039.7	2078.7	2128.5	2166.1	2204.4	2233.8	2243.4	2286.4	2311.0
12.5°	1947.3	1994.9	2043.5	2094.0	2142.8	2194.6	2236.7	2266.0	2299.6	2338.3	2383.7
15°	1919.5	1974.2	2037.6	2102.6	2172.3	2235.2	2280.3	2331.5	2368.4	2410.7	2450.4
17.5°	1879.5	1949.8	2030.6	2105.8	2186.4	2253.9	2316.0	2365.1	2391.1	2415.3	2421.2
20°	1847.7	1923.6	2018.6	2107.4	2188.0	2265.9	2327.4	2368.4	2375.3	2375.9	2339.7
22.5°	1813.3	1899.0	1998.3	2089.4	2185.9	2272.4	2320.3	2337.8	2310.7	2264.4	2194.3
25°	1750.0	1849.1	1964.5	2068.4	2173.6	2255.7	2272.1	2241.3	2146.3	2046.6	1920.1
27.5°	1681.4	1792.8	1916.6	2032.0	2144.1	2194.9	2159.5	2048.7	1877.7	1728.9	1548.7
30°	1631.1	1756.1	1877.8	2006.9	2110.8	2132.6	2051.4	1888.0	1688.5	1464.4	1284.7
32.5°	1573.7	1704.8	1838.4	1971.9	2058.9	2037.6	1903.2	1702.2	1468.2	1247.9	1078.0
35°	1491.7	1627.0	1771.2	1905.1	1960.4	1868.2	1667.3	1405.6	1166.4	960.7	843.9
37.5°	1397.0	1544.4	1694.3	1817.2	1813.3	1659.6	1385.9	1115.7	914.7	793.1	709.8
40°	1329.7	1478.7	1640.7	1744.5	1700.1	1499.9	1203.4	948.4	801.6	704.5	643.7
42.5°	1265.2	1414.8	1575.7	1658.1	1580.9	1334.8	1039.4	839.6	718.5	642.7	593.4
45°	1155.5	1313.3	1462.3	1508.1	1370.0	1098.8	840.5	695.6	615.0	558.9	524.8
47.5°	1048.2	1203.5	1339.4	1340.2	1153.6	891.1	709.0	602.0	533.2	489.8	464.9
50°	982.6	1130.2	1244.3	1226.5	1014.8	792.6	634.1	541.9	484.5	451.0	425.0
52.5°	908.8	1052.0	1150.8	1100.3	897.2	697.5	566.9	489.4	441.8	412.7	389.5
55°	801.6	928.6	998.4	921.8	731.8	580.1	479.0	418.2	382.6	358.0	338.2
57.5°	696.2	801.0	844.9	755.7	602.8	481.1	405.2	359.5	324.3	306.7	296.4
60°	630.0	719.5	750.3	651.9	524.1	420.9	358.7	316.4	290.4	278.8	268.6
62.5°	565.0	638.1	650.8	560.6	456.9	368.5	315.0	279.2	262.0	250.9	241.2
65°	468.8	521.4	515.2	442.8	361.5	292.5	253.5	231.7	218.6	203.0	185.8
67.5°	385.9	418.0	398.7	344.4	275.9	227.3	201.9	185.3	169.2	154.3	150.3
70°	333.5	351.9	331.4	281.5	226.1	190.6	170.1	150.3	140.8	137.3	131.2
72.5°	283.2	289.6	267.4	224.7	184.0	157.8	137.9	126.8	121.6	118.8	114.8
75°	212.5	207.8	188.6	155.2	127.8	110.0	103.9	99.8	96.3	93.6	91.6
77.5°	149.3	142.2	125.2	103.3	89.0	80.5	76.8	74.6	72.9	71.6	69.6
80°	112.1	107.3	90.2	73.8	67.7	63.6	61.5	58.8	58.8	57.4	55.4
82.5°	82.0	76.7	61.8	54.1	50.7	48.2	46.7	45.1	44.6	44.9	43.3
85°	43.1	34.9	30.8	29.4	27.4	25.9	26.7	25.3	25.3	25.3	24.6
87.5°	14.0	11.9	11.9	11.9	13.4	14.5	15.2	16.2	17.9	17.3	17.7
90°	4.3	7.3	10.4	13.5	17.8	23.5	29.2	34.8	40.5	39.9	39.4
92.5°	22.8	25.1	27.4	29.6	31.4	32.7	34.1	35.4	36.7	36.8	37.0
95°	62.7	65.3	67.9	70.4	72.0	72.5	72.9	73.5	74.0	74.0	74.0
97.5°	112.1	114.4	116.6	118.9	120.5	121.5	122.4	123.4	124.4	124.4	124.4
100°	148.9	151.0	153.0	155.1	156.5	157.2	158.0	158.8	159.5	159.5	159.5
102.5°	187.3	189.0	190.6	192.3	193.6	194.6	195.6	196.5	197.5	197.7	197.9
105°	249.3	250.1	250.9	251.6	252.4	252.8	253.3	253.9	254.4	254.9	255.4
107.5°	313.1	314.2	315.3	316.5	317.0	317.0	317.0	317.0	317.0	317.3	317.4
110°	354.2	355.7	357.3	358.8	359.6	359.6	359.6	359.6	359.6	359.6	359.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	398.6	400.1	401.7	403.2	403.9	403.7	403.5	403.2	403.1	402.4	401.8
115°	464.0	465.6	467.1	468.7	469.1	468.7	468.1	467.6	467.1	466.9	466.6
117.5°	529.8	531.8	533.9	535.9	536.3	534.8	533.3	531.9	530.5	529.9	529.2
120°	573.2	575.3	577.4	579.4	579.4	577.4	575.3	573.2	571.1	571.1	571.1
122.5°	613.4	615.9	618.3	620.8	621.3	619.9	618.5	617.0	615.5	614.9	614.4
125°	675.2	677.5	679.8	682.2	683.0	682.2	681.4	680.6	679.8	679.1	678.3
127.5°	736.2	739.1	742.1	745.0	746.0	745.1	744.1	743.2	742.3	741.4	740.5
130°	774.5	777.9	781.2	784.5	786.0	785.5	785.0	784.4	783.9	783.4	782.9
132.5°	816.5	819.2	821.9	824.7	826.1	826.2	826.3	826.3	826.4	825.4	824.2
135°	873.4	876.3	879.1	882.0	883.6	884.1	884.7	885.2	885.6	885.4	885.2
137.5°	932.8	935.1	937.5	939.8	941.3	941.9	942.6	943.3	944.0	943.8	943.5
140°	968.9	971.3	973.6	975.9	977.7	978.9	980.3	981.5	982.8	982.8	982.8
142.5°	1005.9	1008.3	1010.6	1012.9	1014.4	1015.3	1016.2	1017.1	1018.0	1018.2	1018.3
145°	1058.6	1060.4	1062.2	1064.0	1065.7	1067.2	1068.7	1070.3	1071.8	1072.1	1072.4
147.5°	1106.3	1108.5	1110.7	1112.9	1114.5	1115.4	1116.5	1117.5	1118.6	1119.1	1119.6
150°	1138.1	1139.7	1141.2	1142.7	1144.1	1145.0	1146.1	1147.1	1148.2	1148.9	1149.7
152.5°	1166.8	1168.3	1169.8	1171.4	1172.8	1174.0	1175.3	1176.5	1177.8	1178.8	1179.7
155°	1209.1	1209.8	1210.6	1211.4	1212.1	1212.9	1213.6	1214.4	1215.2	1216.5	1217.8
157.5°	1245.5	1246.1	1246.6	1247.1	1247.6	1248.0	1248.5	1248.9	1249.5	1251.2	1252.9
160°	1267.7	1268.3	1268.8	1269.3	1269.7	1269.9	1270.2	1270.4	1270.7	1272.2	1273.8
162.5°	1287.7	1287.8	1287.9	1288.0	1288.2	1288.4	1288.7	1289.0	1289.2	1290.9	1292.7
165°	1314.4	1314.1	1313.8	1313.6	1313.5	1313.5	1313.5	1313.5	1313.5	1315.3	1317.1
167.5°	1336.5	1335.8	1335.0	1334.2	1333.8	1333.7	1333.7	1333.6	1333.6	1335.4	1337.2
170°	1348.5	1347.8	1347.0	1346.2	1345.8	1345.5	1345.2	1345.0	1344.7	1346.5	1348.3
172.5°	1356.9	1356.1	1355.3	1354.6	1354.1	1353.8	1353.5	1353.3	1353.0	1354.9	1356.6
175°	1367.1	1366.3	1365.5	1364.8	1364.1	1363.6	1363.1	1362.5	1362.0	1363.9	1365.7
177.5°	1371.4	1370.7	1370.1	1369.5	1369.0	1368.6	1368.2	1367.8	1367.3	1368.6	1369.8
180°	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6
2.5°	2035.5	2042.6	2045.9	2045.9	2049.7	2048.1	2046.4
5°	2152.5	2165.4	2168.2	2180.5	2189.3	2186.7	2188.0
7.5°	2268.8	2289.6	2310.3	2319.8	2321.2	2326.7	2328.8
10°	2340.4	2357.5	2389.6	2384.8	2408.7	2422.4	2399.9
12.5°	2409.2	2432.3	2454.6	2460.8	2474.3	2478.7	2469.8
15°	2471.6	2483.9	2485.3	2481.8	2485.9	2482.5	2469.5
17.5°	2413.3	2393.4	2353.0	2333.8	2318.6	2296.2	2287.2
20°	2317.1	2258.3	2190.0	2162.8	2130.6	2067.7	2082.8
22.5°	2109.4	2042.5	1974.2	1894.4	1856.2	1796.6	1793.1
25°	1786.2	1670.7	1543.6	1454.8	1402.8	1343.5	1317.4
27.5°	1388.8	1243.4	1139.2	1086.5	1038.5	991.4	989.4
30°	1127.5	1018.2	937.5	892.4	863.0	843.2	847.3
32.5°	950.4	875.5	821.1	783.6	761.9	747.0	746.7
35°	776.9	725.7	690.8	675.1	659.4	648.5	649.2
37.5°	664.9	634.1	614.7	597.4	587.5	582.2	579.2
40°	607.4	582.2	567.1	556.9	548.7	541.2	539.8
42.5°	562.1	541.2	526.2	518.1	510.4	505.2	503.7
45°	498.8	481.7	468.1	459.2	455.8	451.0	451.0
47.5°	443.7	427.0	416.3	410.7	404.8	401.6	401.5
50°	406.6	393.6	384.1	380.6	375.9	373.8	373.1
52.5°	373.3	363.6	356.7	354.4	352.3	349.7	350.2
55°	328.0	322.5	319.8	317.7	314.3	310.2	313.0
57.5°	289.9	285.3	277.9	271.4	268.3	265.4	266.5
60°	263.1	253.5	244.0	236.4	234.3	228.2	228.2
62.5°	229.2	215.8	204.0	199.8	197.8	194.9	194.3
65°	176.3	170.9	168.1	165.3	164.0	164.0	162.6
67.5°	146.1	143.9	140.9	140.2	138.8	138.5	138.0
70°	129.1	126.4	125.0	124.4	123.0	123.7	121.6
72.5°	112.7	110.6	110.3	108.5	107.7	107.8	106.3
75°	88.8	88.8	88.2	87.5	86.1	85.4	86.1
77.5°	68.3	68.5	67.2	67.1	67.0	67.1	66.4
80°	54.7	55.4	54.7	53.9	53.3	53.9	53.3
82.5°	43.2	42.3	42.1	42.0	41.8	41.4	41.3
85°	24.6	25.3	24.6	23.9	23.9	23.9	24.6
87.5°	17.1	16.9	16.9	17.0	17.0	17.1	16.6
90°	39.0	38.4	38.3	38.5	38.8	39.1	39.3
92.5°	37.1	37.2	37.3	37.3	37.4	37.5	37.5
95°	74.0	74.0	73.7	73.2	72.7	72.2	71.7
97.5°	124.4	124.4	124.4	124.3	124.3	124.2	124.2
100°	159.5	159.5	159.4	159.2	158.9	158.6	158.4
102.5°	198.1	198.3	198.3	198.0	197.8	197.5	197.2
105°	255.9	256.5	256.7	256.7	256.7	256.7	256.7
107.5°	317.6	317.9	317.4	316.2	315.0	313.8	312.6
110°	359.6	359.6	359.2	358.5	357.7	356.9	356.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	401.2	400.6	400.0	399.4	398.9	398.3	397.7
115°	466.4	466.1	465.6	464.8	464.0	463.2	462.5
117.5°	528.6	528.0	527.4	526.6	525.8	525.0	524.2
120°	571.1	571.1	570.8	570.0	569.3	568.5	567.8
122.5°	613.8	613.1	612.5	612.0	611.4	610.8	610.3
125°	677.5	676.8	676.3	676.0	675.7	675.5	675.2
127.5°	739.5	738.6	737.7	736.9	736.1	735.3	734.4
130°	782.4	781.9	781.1	780.1	779.1	778.0	776.9
132.5°	823.0	822.0	821.0	820.2	819.3	818.5	817.7
135°	884.9	884.7	884.1	883.3	882.6	881.8	881.0
137.5°	943.3	943.2	942.5	941.5	940.5	939.4	938.4
140°	982.8	982.8	982.3	981.2	980.3	979.2	978.2
142.5°	1018.6	1018.8	1018.3	1017.4	1016.3	1015.3	1014.2
145°	1072.6	1072.8	1072.5	1071.5	1070.4	1069.4	1068.4
147.5°	1120.3	1120.8	1120.6	1119.6	1118.7	1117.7	1116.7
150°	1150.5	1151.2	1151.2	1150.5	1149.7	1148.9	1148.2
152.5°	1180.6	1181.6	1181.6	1180.6	1179.7	1178.8	1177.8
155°	1219.1	1220.3	1220.6	1219.9	1219.1	1218.3	1217.5
157.5°	1254.6	1256.4	1256.7	1255.4	1254.2	1252.9	1251.7
160°	1275.3	1276.8	1277.1	1276.1	1275.1	1274.1	1273.0
162.5°	1294.4	1296.2	1296.5	1295.2	1294.0	1292.7	1291.6
165°	1318.8	1320.7	1320.9	1319.6	1318.4	1317.1	1315.8
167.5°	1339.0	1340.8	1341.0	1339.7	1338.4	1337.0	1335.7
170°	1350.1	1351.9	1352.0	1350.5	1349.0	1347.4	1345.9
172.5°	1358.4	1360.2	1360.3	1358.8	1357.3	1355.8	1354.2
175°	1367.4	1369.2	1369.4	1367.8	1366.3	1364.8	1363.2
177.5°	1371.1	1372.3	1372.3	1371.1	1369.8	1368.6	1367.3
180°	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1	1370.1

(END OF REPORT)