

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: P333331-935

Luminaire Tested: **S125DIP-S1270D1205U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333331-935
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: S125DIP-S1270D1205U935-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8610.1 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

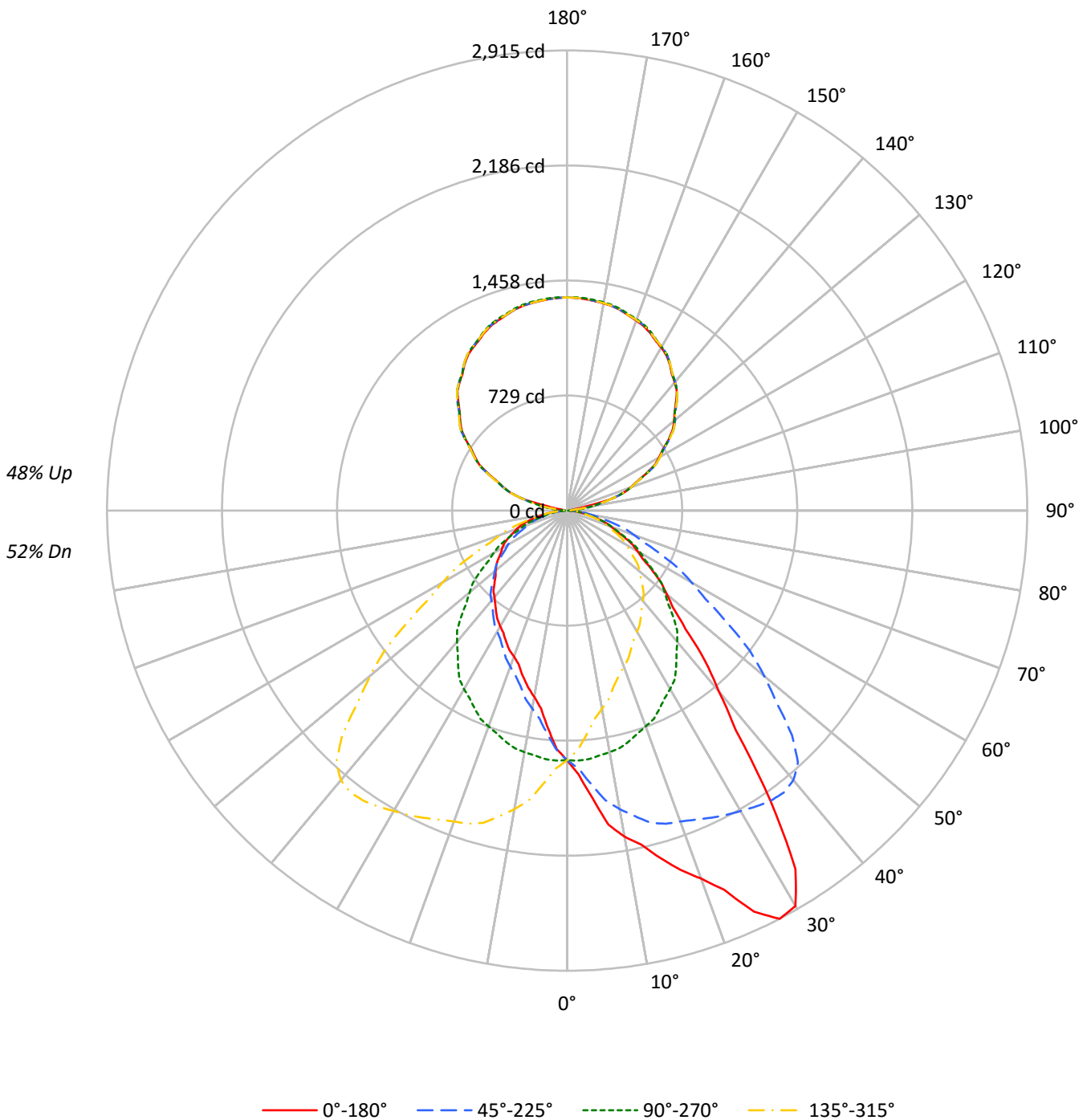
Input Watts (W): 71.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	99	99	99	99	84	84	84	71	71	71	58	58	58	52
1	98	94	90	87	91	87	84	81	74	72	70	62	61	59	51	50	49	44
2	90	83	76	71	83	77	71	67	65	61	58	55	52	50	46	44	42	37
3	82	73	65	60	76	68	61	56	58	53	49	49	45	42	41	38	36	32
4	75	64	57	51	69	60	53	48	51	46	42	44	40	36	36	33	31	27
5	69	57	49	43	64	54	46	41	46	41	36	39	35	32	33	30	27	24
6	64	52	44	38	59	48	41	36	42	36	32	35	31	28	30	26	24	21
7	59	47	39	33	54	44	36	31	38	32	28	32	28	25	27	24	21	19
8	55	42	35	29	50	40	33	28	34	29	25	30	25	22	25	22	19	17
9	51	39	31	26	47	36	29	25	32	26	22	27	23	20	23	20	17	15
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10213	10213	10213	10213
5°	11826	10247	8972	10247
10°	13759	10194	7861	10194
15°	15230	10120	7252	10120
20°	17049	10001	6763	10001
25°	19973	9867	6524	9867
30°	21572	9735	6317	9735
35°	17738	9488	6180	9488
40°	12607	9144	6032	9144
45°	9685	8680	5946	8680
50°	8268	8106	5934	8106
55°	7362	7543	5986	7543
60°	6640	6926	6138	6926
65°	6134	6308	6298	6308
70°	5576	5665	6388	5665
75°	4923	4991	6331	4991
80°	4143	4069	5791	4069
85°	3283	2934	4676	2934



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.2	1.8
10°-20°	453.2	5.3
20°-30°	736.0	8.5
30°-40°	897.7	10.4
40°-50°	816.7	9.5
50°-60°	650.5	7.6
60°-70°	453.1	5.3
70°-80°	241.6	2.8
80°-90°	63.8	0.7
90°-100°	49.1	0.6
100°-110°	302.3	3.5
110°-120°	548.3	6.4
120°-130°	703.7	8.2
130°-140°	756.9	8.8
140°-150°	710.4	8.3
150°-160°	574.7	6.7
160°-170°	371.7	4.3
170°-180°	128.2	1.5
0°-30°	1341.4	15.6
0°-40°	2239.2	26.0
0°-60°	3706.4	43.0
0°-90°	4464.9	51.9
90°-120°	899.7	10.4
90°-150°	3070.7	35.7
90°-180°	4145.0	48.1
0°-180°	8610.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1581	1581	1581	1581	1581	
5°	1824	1581	1384	1581	1824	184
15°	2278	1514	1085	1514	2278	652
25°	2803	1385	916	1385	2803	1280
35°	2250	1203	784	1203	2250	1377
45°	1060	950	651	950	1060	849
55°	654	670	532	670	654	589
65°	401	413	412	413	401	398
75°	197	200	254	200	197	212
85°	44	40	63	40	44	52
90°	24	1	24	1	24	12
95°	21	57	21	57	21	17
105°	297	294	297	294	297	269
115°	548	552	548	552	548	544
125°	786	786	786	786	786	699
135°	976	980	976	980	976	753
145°	1133	1136	1133	1136	1133	708
155°	1242	1251	1242	1251	1242	572
165°	1313	1320	1313	1320	1313	371
175°	1344	1350	1344	1350	1344	128
180°	1350	1350	1350	1350	1350	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1672.6	1670.4	1668.3	1664.0	1667.2	1658.0	1653.7	1646.2	1637.1	1633.9	1630.1
5°	1824.2	1827.6	1830.9	1816.9	1818.2	1808.8	1787.3	1769.9	1755.8	1737.7	1724.9
7.5°	2006.8	1998.9	1998.2	1989.1	1973.4	1960.8	1938.2	1909.4	1881.7	1850.0	1823.9
10°	2098.1	2098.8	2092.7	2082.0	2065.2	2053.1	2023.6	1995.4	1961.2	1920.9	1892.0
12.5°	2166.8	2169.6	2162.0	2147.5	2139.2	2112.2	2089.0	2055.6	2014.8	1982.6	1938.7
15°	2277.9	2270.5	2265.2	2247.0	2233.0	2204.8	2167.9	2133.0	2088.7	2047.7	2006.8
17.5°	2385.1	2391.0	2380.9	2364.4	2320.7	2287.8	2238.3	2190.4	2135.3	2080.3	2031.5
20°	2480.6	2486.1	2470.6	2441.7	2389.4	2356.5	2291.4	2229.6	2165.8	2095.4	2041.7
22.5°	2599.9	2595.6	2574.7	2530.8	2485.4	2424.7	2354.2	2279.0	2199.2	2119.5	2048.1
25°	2802.8	2774.6	2761.8	2707.5	2647.7	2558.5	2461.9	2351.7	2252.5	2147.1	2055.8
27.5°	2915.3	2906.4	2892.2	2854.4	2791.5	2696.0	2582.1	2448.0	2307.9	2174.9	2055.4
30°	2892.7	2894.1	2895.5	2883.3	2843.1	2771.2	2657.8	2513.5	2347.1	2197.4	2059.2
32.5°	2693.0	2717.4	2740.8	2768.5	2779.7	2765.9	2694.8	2564.6	2393.2	2223.2	2057.0
35°	2249.8	2257.1	2333.0	2408.1	2510.2	2589.4	2642.4	2584.6	2440.3	2245.1	2054.4
37.5°	1754.2	1790.4	1842.9	1927.9	2075.1	2206.9	2376.4	2454.5	2407.9	2252.2	2049.8
40°	1495.4	1529.0	1563.1	1649.8	1773.9	1933.6	2126.2	2290.7	2328.9	2229.6	2033.7
42.5°	1295.6	1322.2	1360.2	1425.3	1529.0	1670.5	1854.6	2069.5	2201.7	2164.1	1999.8
45°	1060.4	1077.2	1106.7	1158.5	1233.6	1344.4	1506.8	1741.7	1946.4	2014.1	1919.5
47.5°	907.7	907.6	930.5	966.2	1020.5	1114.6	1234.7	1418.8	1637.4	1799.1	1791.7
50°	822.9	819.5	837.6	868.5	911.5	973.9	1088.6	1235.6	1445.7	1628.9	1679.9
52.5°	749.8	750.2	761.4	784.2	820.2	873.5	959.2	1091.7	1271.2	1459.2	1555.4
55°	653.8	651.0	663.7	679.2	705.4	740.3	802.0	903.4	1049.0	1234.2	1359.1
57.5°	565.7	573.1	578.2	588.9	610.6	634.0	686.0	760.4	876.0	1034.9	1166.9
60°	514.1	521.5	525.6	536.2	553.7	573.9	614.2	674.5	771.9	908.8	1039.7
62.5°	468.0	473.7	475.0	484.7	498.9	518.6	550.3	601.0	677.9	797.6	925.8
65°	401.4	401.4	404.1	414.1	420.9	438.2	462.4	499.4	561.1	654.4	763.8
67.5°	337.2	340.4	339.8	344.1	350.3	363.9	381.3	411.7	457.4	525.6	613.0
70°	295.3	298.0	297.3	300.7	307.4	316.2	330.2	359.0	391.9	450.4	525.6
72.5°	257.7	258.8	257.1	261.5	265.5	273.2	288.9	304.3	335.0	384.4	446.1
75°	197.3	198.6	200.0	202.7	206.7	210.8	218.8	234.3	254.3	291.3	330.9
77.5°	147.9	145.3	148.6	148.2	150.5	153.6	160.7	168.8	185.4	208.7	239.4
80°	111.4	112.1	112.1	112.8	116.1	118.1	124.2	130.2	142.9	160.4	181.9
82.5°	81.4	83.1	82.1	83.3	86.0	87.5	90.8	95.8	103.2	116.9	132.5
85°	44.3	41.0	42.3	43.7	43.7	44.3	47.0	49.0	53.0	58.4	64.4
87.5°	17.7	18.6	19.0	18.9	19.3	19.1	21.0	20.8	22.2	23.6	25.4
90°	24.0	23.3	22.6	22.0	21.4	20.5	19.4	18.3	17.1	16.0	14.5
92.5°	22.4	22.1	21.8	21.4	21.2	20.5	19.4	18.3	17.1	16.0	14.6
95°	21.0	21.0	21.0	21.0	21.0	20.5	19.4	18.3	17.1	16.0	24.5
97.5°	21.0	21.0	21.0	21.0	21.0	24.1	30.4	36.7	43.0	49.2	66.0
100°	21.0	21.9	22.8	23.7	24.5	41.6	74.7	107.9	140.9	174.1	173.2
102.5°	125.9	141.0	156.1	171.3	186.4	197.1	203.4	209.6	215.9	222.1	221.6
105°	297.2	297.4	297.6	297.8	298.1	298.2	298.2	298.2	298.2	298.2	298.2
107.5°	374.6	375.3	376.0	376.6	377.3	377.6	377.5	377.5	377.5	377.5	377.0
110°	428.3	428.1	427.8	427.6	427.4	427.6	428.3	429.0	429.6	430.2	429.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	476.3	476.6	476.9	477.3	477.5	478.1	479.0	479.8	480.7	481.5	481.2
115°	548.4	549.7	551.0	552.3	553.7	554.8	555.7	556.6	557.5	558.4	558.1
117.5°	625.2	625.8	626.4	626.9	627.5	628.4	629.6	630.7	631.9	633.0	632.1
120°	672.4	673.6	674.7	675.8	676.9	677.7	678.1	678.6	679.0	679.4	678.7
122.5°	717.3	718.6	719.8	721.1	722.4	723.3	723.8	724.2	724.6	725.0	724.8
125°	785.5	786.2	786.9	787.5	788.2	788.9	789.8	790.7	791.6	792.5	792.5
127.5°	842.9	844.6	846.2	847.9	849.5	850.6	851.1	851.5	852.0	852.6	852.6
130°	884.6	885.7	886.8	887.9	889.0	889.9	890.5	891.2	891.9	892.6	892.3
132.5°	923.0	924.1	925.2	926.3	927.5	928.1	928.2	928.3	928.5	928.6	929.1
135°	975.6	977.0	978.3	979.6	980.9	981.9	982.3	982.7	983.2	983.6	984.0
137.5°	1028.5	1029.6	1030.8	1031.9	1033.1	1033.6	1033.5	1033.5	1033.4	1033.3	1033.6
140°	1059.7	1061.0	1062.4	1063.7	1065.0	1065.5	1065.0	1064.5	1064.1	1063.7	1063.9
142.5°	1089.3	1090.6	1092.0	1093.3	1094.7	1095.3	1095.2	1095.1	1095.0	1094.9	1094.6
145°	1132.7	1134.0	1135.4	1136.7	1138.1	1138.6	1138.4	1138.2	1138.0	1137.7	1137.7
147.5°	1168.5	1170.2	1171.7	1173.4	1174.9	1175.6	1175.4	1175.1	1174.8	1174.6	1174.3
150°	1191.8	1193.5	1195.3	1197.1	1198.9	1199.5	1199.1	1198.7	1198.2	1197.7	1197.3
152.5°	1213.4	1215.0	1216.6	1218.1	1219.8	1220.4	1220.0	1219.4	1219.0	1218.6	1218.1
155°	1241.8	1243.5	1245.4	1247.2	1248.9	1249.5	1248.8	1248.1	1247.5	1246.8	1246.4
157.5°	1265.6	1267.4	1269.2	1270.9	1272.7	1273.2	1272.6	1271.9	1271.1	1270.4	1270.4
160°	1280.8	1282.6	1284.4	1286.2	1288.0	1288.4	1287.5	1286.6	1285.7	1284.8	1284.6
162.5°	1294.4	1296.4	1298.3	1300.3	1302.3	1302.6	1301.4	1300.1	1298.9	1297.6	1297.4
165°	1312.9	1314.6	1316.4	1318.2	1319.9	1320.2	1318.9	1317.5	1316.2	1314.8	1314.6
167.5°	1325.7	1327.7	1329.6	1331.6	1333.7	1333.9	1332.2	1330.7	1329.0	1327.5	1327.2
170°	1332.8	1334.9	1336.9	1338.9	1340.8	1341.0	1339.2	1337.4	1335.7	1333.9	1333.6
172.5°	1337.6	1339.6	1341.7	1343.7	1345.7	1345.8	1344.3	1342.6	1341.1	1339.5	1339.0
175°	1343.8	1345.8	1347.9	1349.9	1351.9	1351.9	1350.2	1348.4	1346.6	1344.9	1344.6
177.5°	1347.5	1348.8	1350.3	1351.8	1353.1	1353.2	1352.0	1350.7	1349.5	1348.2	1348.1
180°	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1626.9	1623.2	1618.9	1611.4	1602.2	1597.4	1589.8	1585.0	1575.4	1567.3	1558.8
5°	1709.4	1692.0	1675.9	1655.1	1632.3	1617.5	1600.1	1580.6	1560.5	1539.6	1516.8
7.5°	1795.0	1764.1	1730.5	1694.4	1659.1	1626.6	1595.6	1565.1	1536.7	1502.4	1473.3
10°	1852.4	1813.5	1771.9	1722.9	1675.2	1633.7	1591.3	1554.4	1516.8	1476.5	1441.0
12.5°	1909.9	1858.0	1799.2	1745.4	1688.2	1637.9	1588.1	1541.0	1493.7	1449.1	1407.7
15°	1950.4	1904.8	1850.4	1773.9	1709.4	1640.4	1574.6	1513.5	1456.5	1406.8	1354.4
17.5°	1977.1	1918.3	1859.9	1786.5	1702.1	1624.8	1550.2	1480.3	1416.0	1353.1	1302.6
20°	1981.9	1921.6	1860.4	1788.6	1702.1	1613.5	1539.0	1455.1	1386.0	1320.9	1259.1
22.5°	1980.4	1911.9	1845.5	1771.5	1687.0	1605.4	1515.4	1429.9	1354.8	1290.8	1226.3
25°	1965.1	1892.0	1808.8	1734.3	1651.1	1564.5	1473.3	1384.7	1308.1	1234.9	1171.2
27.5°	1952.6	1857.7	1763.4	1676.5	1596.2	1516.8	1429.4	1338.7	1253.9	1179.7	1119.6
30°	1937.0	1833.0	1726.9	1636.3	1553.8	1476.5	1394.0	1305.4	1216.9	1144.4	1080.0
32.5°	1923.0	1801.8	1689.9	1591.2	1503.8	1428.7	1352.6	1268.3	1181.4	1107.8	1043.4
35°	1896.1	1755.8	1627.5	1516.1	1422.9	1345.7	1281.9	1203.4	1123.5	1052.4	990.7
37.5°	1861.8	1695.4	1557.8	1441.0	1338.7	1257.4	1198.0	1137.7	1061.1	992.6	936.7
40°	1835.0	1652.4	1506.8	1387.3	1281.3	1196.7	1141.7	1084.6	1020.9	957.1	898.0
42.5°	1801.1	1613.8	1455.3	1326.6	1221.7	1139.3	1081.5	1033.0	976.8	917.4	862.5
45°	1739.0	1543.7	1371.8	1233.6	1127.6	1046.4	986.6	950.4	908.1	851.7	805.4
47.5°	1647.6	1459.5	1281.8	1139.1	1029.7	954.4	898.5	863.7	833.9	791.9	749.9
50°	1566.5	1396.7	1216.9	1075.2	965.8	889.9	838.3	806.8	781.3	749.0	713.4
52.5°	1475.8	1317.8	1153.0	1013.0	904.6	829.8	779.2	751.5	730.2	707.1	672.1
55°	1331.6	1197.4	1044.3	911.5	811.4	738.3	694.0	669.9	652.4	634.9	613.5
57.5°	1172.8	1067.8	932.3	810.8	718.7	652.1	610.8	587.3	573.7	564.7	552.1
60°	1061.1	971.2	854.4	743.6	653.8	594.7	554.4	536.2	524.9	517.5	508.1
62.5°	957.5	883.6	775.5	674.4	595.7	539.8	503.9	486.3	475.4	471.8	464.1
65°	804.7	747.7	658.4	574.5	507.4	459.8	429.6	412.8	406.0	402.0	402.7
67.5°	654.3	619.5	547.8	476.2	422.7	382.7	358.5	345.7	342.3	336.9	336.8
70°	562.4	536.2	475.9	413.5	365.8	334.9	313.4	300.0	296.6	293.9	293.3
72.5°	481.4	458.4	406.0	356.0	313.1	286.0	268.4	260.3	254.8	253.1	253.0
75°	361.8	349.0	307.4	267.8	238.2	219.5	207.4	200.0	196.0	195.3	196.0
77.5°	257.2	246.1	219.6	191.6	172.9	158.7	148.4	145.9	141.4	141.5	140.8
80°	193.3	185.9	169.1	147.0	131.6	119.5	114.1	109.4	108.1	106.1	108.1
82.5°	140.2	132.2	120.8	106.7	93.9	86.7	81.4	79.9	79.0	78.1	78.5
85°	69.1	69.8	63.1	52.3	47.0	43.0	39.6	39.6	38.9	38.2	38.9
87.5°	26.2	24.8	22.4	20.4	17.4	15.4	14.6	14.7	13.4	13.3	14.1
90°	12.9	11.4	9.8	8.1	6.4	4.6	2.8	1.0	2.8	4.6	6.4
92.5°	13.3	11.9	10.5	10.4	11.7	12.9	14.2	15.4	14.2	12.9	11.7
95°	32.9	41.3	49.9	54.3	55.0	55.7	56.4	57.0	56.4	55.7	55.0
97.5°	82.7	99.4	116.1	123.9	122.7	121.5	120.3	119.1	120.3	121.5	122.7
100°	172.4	171.4	170.6	169.8	169.1	168.4	167.8	167.1	167.8	168.4	169.1
102.5°	221.1	220.5	220.0	219.3	218.4	217.7	216.8	215.9	216.8	217.7	218.4
105°	298.2	298.2	298.2	297.7	296.9	295.9	295.1	294.2	295.1	295.9	296.9
107.5°	376.5	376.1	375.7	375.5	375.5	375.5	375.5	375.5	375.5	375.5	375.5
110°	429.4	429.0	428.5	428.3	428.3	428.3	428.3	428.3	428.3	428.3	428.3



TEST NUMBER: P333331-935

CATALOG NUMBER: S125DIP-S1270D1205U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	481.0	480.7	480.4	480.0	479.5	479.0	478.5	477.9	478.5	479.0	479.5
115°	557.9	557.7	557.5	556.8	555.7	554.6	553.5	552.3	553.5	554.6	555.7
117.5°	631.3	630.5	629.6	629.2	629.3	629.3	629.4	629.4	629.4	629.3	629.3
120°	678.1	677.4	676.7	676.6	676.7	677.0	677.2	677.4	677.2	677.0	676.7
122.5°	724.4	724.1	723.8	723.2	722.4	721.5	720.7	719.9	720.7	721.5	722.4
125°	792.5	792.5	792.5	791.7	790.1	788.6	787.0	785.5	787.0	788.6	790.1
127.5°	852.8	852.9	853.1	852.6	851.4	850.3	849.3	848.2	849.3	850.3	851.4
130°	892.2	891.9	891.7	891.0	889.9	888.8	887.7	886.6	887.7	888.8	889.9
132.5°	929.5	930.1	930.6	930.1	928.8	927.6	926.3	925.0	926.3	927.6	928.8
135°	984.6	985.0	985.4	985.0	983.6	982.3	980.9	979.6	980.9	982.3	983.6
137.5°	1034.1	1034.5	1034.8	1034.5	1033.3	1032.2	1031.0	1029.8	1031.0	1032.2	1033.3
140°	1064.1	1064.4	1064.5	1064.5	1064.0	1063.6	1063.2	1062.6	1063.2	1063.6	1064.0
142.5°	1094.2	1094.0	1093.6	1093.4	1093.1	1092.9	1092.5	1092.3	1092.5	1092.9	1093.1
145°	1137.7	1137.7	1137.7	1137.5	1137.0	1136.6	1136.2	1135.7	1136.2	1136.6	1137.0
147.5°	1174.0	1173.7	1173.5	1173.4	1173.5	1173.5	1173.6	1173.7	1173.6	1173.5	1173.5
150°	1196.9	1196.4	1196.0	1196.0	1196.4	1196.9	1197.3	1197.7	1197.3	1196.9	1196.4
152.5°	1217.7	1217.3	1216.8	1217.0	1218.1	1219.0	1220.0	1221.0	1220.0	1219.0	1218.1
155°	1245.9	1245.4	1245.0	1245.4	1246.8	1248.1	1249.5	1250.8	1249.5	1248.1	1246.8
157.5°	1270.3	1270.3	1270.2	1270.6	1271.4	1272.2	1273.0	1273.8	1273.0	1272.2	1271.4
160°	1284.4	1284.2	1283.9	1284.5	1285.8	1287.2	1288.5	1289.9	1288.5	1287.2	1285.8
162.5°	1297.2	1296.9	1296.8	1297.3	1298.6	1299.9	1301.3	1302.6	1301.3	1299.9	1298.6
165°	1314.4	1314.1	1314.0	1314.5	1315.9	1317.2	1318.5	1319.8	1318.5	1317.2	1315.9
167.5°	1327.0	1326.8	1326.5	1327.1	1328.5	1329.9	1331.3	1332.7	1331.3	1329.9	1328.5
170°	1333.4	1333.2	1333.0	1333.6	1335.2	1336.7	1338.3	1339.9	1338.3	1336.7	1335.2
172.5°	1338.7	1338.3	1337.8	1338.4	1340.0	1341.5	1343.1	1344.6	1343.1	1341.5	1340.0
175°	1344.5	1344.2	1343.9	1344.5	1345.8	1347.2	1348.5	1349.9	1348.5	1347.2	1345.8
177.5°	1347.9	1347.7	1347.6	1348.0	1349.1	1350.1	1351.2	1352.3	1351.2	1350.1	1349.1
180°	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9



TEST NUMBER: P333331-935

CATALOG NUMBER: S125DIP-S1270D1205U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1553.8	1548.0	1543.2	1532.4	1526.5	1518.5	1512.0	1519.0	1511.5	1514.7	1509.8
5°	1505.5	1486.6	1473.3	1453.7	1437.0	1421.5	1410.1	1408.1	1402.7	1400.1	1392.0
7.5°	1447.2	1423.7	1400.6	1375.1	1353.6	1331.7	1317.8	1306.2	1298.6	1288.5	1281.7
10°	1412.8	1381.3	1354.4	1323.5	1296.7	1273.2	1254.4	1245.0	1236.3	1223.6	1218.8
12.5°	1370.4	1337.7	1305.0	1272.0	1246.2	1220.0	1203.9	1189.7	1183.7	1169.3	1167.9
15°	1319.5	1270.5	1238.3	1204.7	1169.2	1147.7	1134.3	1118.9	1112.2	1102.1	1094.7
17.5°	1258.9	1215.0	1174.8	1140.1	1109.6	1091.5	1074.8	1064.2	1052.7	1046.1	1034.0
20°	1214.8	1173.2	1132.9	1096.1	1072.5	1051.7	1038.3	1028.2	1016.2	1012.8	1000.7
22.5°	1177.8	1131.9	1093.2	1062.2	1036.6	1013.1	998.6	991.7	983.4	973.1	970.6
25°	1117.5	1069.9	1037.0	1006.1	983.3	961.8	951.7	943.0	935.0	927.6	924.9
27.5°	1065.4	1022.9	983.8	955.9	936.0	916.4	907.6	897.0	891.0	885.1	877.9
30°	1028.9	985.2	951.1	924.2	902.8	885.3	875.9	868.5	863.2	857.7	853.8
32.5°	991.4	950.9	917.7	891.5	870.0	856.8	848.5	843.3	837.3	830.9	825.8
35°	941.7	897.3	865.1	842.3	825.5	815.5	806.1	801.3	794.7	794.7	789.3
37.5°	885.7	847.4	819.0	798.1	783.1	774.1	764.0	760.7	756.4	753.5	751.7
40°	852.4	816.8	790.0	769.1	753.0	745.6	737.6	732.3	729.5	726.2	724.9
42.5°	818.0	784.0	758.3	739.1	725.1	718.8	711.3	707.6	702.1	697.8	697.0
45°	765.8	732.9	709.5	694.0	681.9	674.5	669.9	661.8	659.1	653.8	653.1
47.5°	716.3	684.8	661.7	649.0	638.4	632.4	625.0	616.9	613.9	611.1	610.9
50°	679.2	650.4	628.9	616.8	606.7	598.1	590.6	585.2	583.2	583.2	584.6
52.5°	641.6	617.1	598.8	584.0	574.5	565.2	558.4	555.2	552.1	555.3	557.8
55°	586.6	561.8	548.4	534.3	524.9	514.1	510.7	509.5	507.4	512.8	515.5
57.5°	528.3	510.9	495.2	481.2	472.8	466.6	462.0	461.2	465.0	467.5	476.2
60°	491.3	471.1	457.1	446.3	436.3	432.2	430.9	429.6	432.2	439.6	451.0
62.5°	450.5	434.1	419.0	410.9	403.5	396.8	396.5	397.4	402.7	411.1	422.6
65°	390.6	376.5	366.4	357.1	351.0	347.0	348.4	351.0	357.1	368.5	381.3
67.5°	329.8	320.1	311.2	303.5	297.7	297.7	299.1	303.1	310.2	323.4	335.0
70°	290.6	279.9	272.5	269.1	264.4	261.7	265.8	272.5	278.5	290.6	300.7
72.5°	251.4	242.3	236.5	234.3	232.2	230.1	231.4	238.7	246.8	258.9	270.6
75°	193.3	189.9	185.9	183.2	181.2	182.5	183.9	190.6	197.3	210.1	223.5
77.5°	141.1	137.6	135.2	134.5	133.5	134.1	137.8	142.8	149.4	158.7	168.8
80°	106.7	105.4	104.0	103.3	103.3	104.0	109.4	112.8	118.8	127.5	135.6
82.5°	77.7	76.9	76.6	76.5	77.1	77.1	80.4	84.8	89.8	96.3	103.3
85°	41.0	39.6	41.6	42.3	41.0	43.0	44.3	47.0	49.0	52.3	55.7
87.5°	15.1	16.4	16.2	17.0	17.4	18.8	18.4	20.8	22.1	23.4	23.1
90°	8.1	9.8	11.4	12.9	14.5	16.0	17.1	18.3	19.4	20.5	21.4
92.5°	10.4	10.5	11.9	13.3	14.6	16.0	17.1	18.3	19.4	20.5	21.2
95°	54.3	49.9	41.3	32.9	24.5	16.0	17.1	18.3	19.4	20.5	21.0
97.5°	123.9	116.1	99.4	82.7	66.0	49.2	43.0	36.7	30.4	24.1	21.0
100°	169.8	170.6	171.4	172.4	173.2	174.1	140.9	107.9	74.7	41.6	24.5
102.5°	219.3	220.0	220.5	221.1	221.6	222.1	215.9	209.6	203.4	197.1	186.4
105°	297.7	298.2	298.2	298.2	298.2	298.2	298.2	298.2	298.2	298.2	298.1
107.5°	375.5	375.7	376.1	376.5	377.0	377.5	377.5	377.5	377.5	377.6	377.3
110°	428.3	428.5	429.0	429.4	429.8	430.2	429.6	429.0	428.3	427.6	427.4



TEST NUMBER: P333331-935

CATALOG NUMBER: S125DIP-S1270D1205U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	480.0	480.4	480.7	481.0	481.2	481.5	480.7	479.8	479.0	478.1	477.5
115°	556.8	557.5	557.7	557.9	558.1	558.4	557.5	556.6	555.7	554.8	553.7
117.5°	629.2	629.6	630.5	631.3	632.1	633.0	631.9	630.7	629.6	628.4	627.5
120°	676.6	676.7	677.4	678.1	678.7	679.4	679.0	678.6	678.1	677.7	676.9
122.5°	723.2	723.8	724.1	724.4	724.8	725.0	724.6	724.2	723.8	723.3	722.4
125°	791.7	792.5	792.5	792.5	792.5	792.5	791.6	790.7	789.8	788.9	788.2
127.5°	852.6	853.1	852.9	852.8	852.6	852.6	852.0	851.5	851.1	850.6	849.5
130°	891.0	891.7	891.9	892.2	892.3	892.6	891.9	891.2	890.5	889.9	889.0
132.5°	930.1	930.6	930.1	929.5	929.1	928.6	928.5	928.3	928.2	928.1	927.5
135°	985.0	985.4	985.0	984.6	984.0	983.6	983.2	982.7	982.3	981.9	980.9
137.5°	1034.5	1034.8	1034.5	1034.1	1033.6	1033.3	1033.4	1033.5	1033.5	1033.6	1033.1
140°	1064.5	1064.5	1064.4	1064.1	1063.9	1063.7	1064.1	1064.5	1065.0	1065.5	1065.0
142.5°	1093.4	1093.6	1094.0	1094.2	1094.6	1094.9	1095.0	1095.1	1095.2	1095.3	1094.7
145°	1137.5	1137.7	1137.7	1137.7	1137.7	1137.7	1138.0	1138.2	1138.4	1138.6	1138.1
147.5°	1173.4	1173.5	1173.7	1174.0	1174.3	1174.6	1174.8	1175.1	1175.4	1175.6	1174.9
150°	1196.0	1196.0	1196.4	1196.9	1197.3	1197.7	1198.2	1198.7	1199.1	1199.5	1198.9
152.5°	1217.0	1216.8	1217.3	1217.7	1218.1	1218.6	1219.0	1219.4	1220.0	1220.4	1219.8
155°	1245.4	1245.0	1245.4	1245.9	1246.4	1246.8	1247.5	1248.1	1248.8	1249.5	1248.9
157.5°	1270.6	1270.2	1270.3	1270.3	1270.4	1270.4	1271.1	1271.9	1272.6	1273.2	1272.7
160°	1284.5	1283.9	1284.2	1284.4	1284.6	1284.8	1285.7	1286.6	1287.5	1288.4	1288.0
162.5°	1297.3	1296.8	1296.9	1297.2	1297.4	1297.6	1298.9	1300.1	1301.4	1302.6	1302.3
165°	1314.5	1314.0	1314.1	1314.4	1314.6	1314.8	1316.2	1317.5	1318.9	1320.2	1319.9
167.5°	1327.1	1326.5	1326.8	1327.0	1327.2	1327.5	1329.0	1330.7	1332.2	1333.9	1333.7
170°	1333.6	1333.0	1333.2	1333.4	1333.6	1333.9	1335.7	1337.4	1339.2	1341.0	1340.8
172.5°	1338.4	1337.8	1338.3	1338.7	1339.0	1339.5	1341.1	1342.6	1344.3	1345.8	1345.7
175°	1344.5	1343.9	1344.2	1344.5	1344.6	1344.9	1346.6	1348.4	1350.2	1351.9	1351.9
177.5°	1348.0	1347.6	1347.7	1347.9	1348.1	1348.2	1349.5	1350.7	1352.0	1353.2	1353.1
180°	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9



TEST NUMBER: P333331-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1506.7	1510.4	1507.2	1511.5	1507.2	1510.4	1506.7	1509.8	1514.7	1511.5	1519.0
5°	1388.6	1382.6	1386.6	1384.0	1386.6	1382.6	1388.6	1392.0	1400.1	1402.7	1408.1
7.5°	1279.6	1273.8	1267.3	1264.2	1267.3	1273.8	1279.6	1281.7	1288.5	1298.6	1306.2
10°	1211.4	1204.1	1203.4	1198.7	1203.4	1204.1	1211.4	1218.8	1223.6	1236.3	1245.0
12.5°	1161.5	1154.7	1147.0	1145.0	1147.0	1154.7	1161.5	1167.9	1169.3	1183.7	1189.7
15°	1090.6	1085.3	1080.6	1084.6	1080.6	1085.3	1090.6	1094.7	1102.1	1112.2	1118.9
17.5°	1031.7	1027.3	1026.5	1021.5	1026.5	1027.3	1031.7	1034.0	1046.1	1052.7	1064.2
20°	994.7	991.4	992.6	984.0	992.6	991.4	994.7	1000.7	1012.8	1016.2	1028.2
22.5°	965.2	958.6	957.8	956.1	957.8	958.6	965.2	970.6	973.1	983.4	991.7
25°	918.9	915.5	912.1	915.5	912.1	915.5	918.9	924.9	927.6	935.0	943.0
27.5°	878.4	874.4	873.5	873.8	873.5	874.4	878.4	877.9	885.1	891.0	897.0
30°	853.8	847.1	847.7	847.1	847.7	847.1	853.8	853.8	857.7	863.2	868.5
32.5°	826.9	822.3	821.4	820.2	821.4	822.3	826.9	825.8	830.9	837.3	843.3
35°	787.3	787.3	783.9	783.9	783.9	787.3	787.3	789.3	794.7	794.7	801.3
37.5°	750.1	749.4	747.4	747.7	747.4	749.4	750.1	751.7	753.5	756.4	760.7
40°	722.2	721.5	719.5	715.5	719.5	721.5	722.2	724.9	726.2	729.5	732.3
42.5°	695.3	693.0	692.1	690.8	692.1	693.0	695.3	697.0	697.8	702.1	707.6
45°	653.1	653.1	651.7	651.0	651.7	653.1	653.1	653.1	653.8	659.1	661.8
47.5°	612.0	613.2	615.7	615.4	615.7	613.2	612.0	610.9	611.1	613.9	616.9
50°	587.3	588.0	590.0	590.6	590.0	588.0	587.3	584.6	583.2	583.2	585.2
52.5°	559.9	563.8	566.4	565.9	566.4	563.8	559.9	557.8	555.3	552.1	555.2
55°	521.5	526.2	530.9	531.6	530.9	526.2	521.5	515.5	512.8	507.4	509.5
57.5°	483.5	490.1	495.1	496.6	495.1	490.1	483.5	476.2	467.5	465.0	461.2
60°	457.7	466.5	472.5	475.2	472.5	466.5	457.7	451.0	439.6	432.2	429.6
62.5°	433.0	442.8	448.8	449.4	448.8	442.8	433.0	422.6	411.1	402.7	397.4
65°	392.6	402.7	408.0	412.1	408.0	402.7	392.6	381.3	368.5	357.1	351.0
67.5°	349.1	359.2	365.2	368.3	365.2	359.2	349.1	335.0	323.4	310.2	303.1
70°	317.5	327.5	335.6	338.3	335.6	327.5	317.5	300.7	290.6	278.5	272.5
72.5°	286.3	295.3	301.8	305.0	301.8	295.3	286.3	270.6	258.9	246.8	238.7
75°	232.2	244.3	250.4	253.7	250.4	244.3	232.2	223.5	210.1	197.3	190.6
77.5°	179.1	190.1	193.7	195.4	193.7	190.1	179.1	168.8	158.7	149.4	142.8
80°	143.6	150.3	155.1	155.7	155.1	150.3	143.6	135.6	127.5	118.8	112.8
82.5°	110.4	116.0	117.4	119.2	117.4	116.0	110.4	103.3	96.3	89.8	84.8
85°	60.4	63.1	63.8	63.1	63.8	63.1	60.4	55.7	52.3	49.0	47.0
87.5°	24.3	23.8	24.0	25.2	24.0	23.8	24.3	23.1	23.4	22.1	20.8
90°	22.0	22.6	23.3	24.0	23.3	22.6	22.0	21.4	20.5	19.4	18.3
92.5°	21.4	21.8	22.1	22.4	22.1	21.8	21.4	21.2	20.5	19.4	18.3
95°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.5	19.4	18.3
97.5°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	24.1	30.4	36.7
100°	23.7	22.8	21.9	21.0	21.9	22.8	23.7	24.5	41.6	74.7	107.9
102.5°	171.3	156.1	141.0	125.9	141.0	156.1	171.3	186.4	197.1	203.4	209.6
105°	297.8	297.6	297.4	297.2	297.4	297.6	297.8	298.1	298.2	298.2	298.2
107.5°	376.6	376.0	375.3	374.6	375.3	376.0	376.6	377.3	377.6	377.5	377.5
110°	427.6	427.8	428.1	428.3	428.1	427.8	427.6	427.4	427.6	428.3	429.0



TEST NUMBER: P333331-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	477.3	476.9	476.6	476.3	476.6	476.9	477.3	477.5	478.1	479.0	479.8
115°	552.3	551.0	549.7	548.4	549.7	551.0	552.3	553.7	554.8	555.7	556.6
117.5°	626.9	626.4	625.8	625.2	625.8	626.4	626.9	627.5	628.4	629.6	630.7
120°	675.8	674.7	673.6	672.4	673.6	674.7	675.8	676.9	677.7	678.1	678.6
122.5°	721.1	719.8	718.6	717.3	718.6	719.8	721.1	722.4	723.3	723.8	724.2
125°	787.5	786.9	786.2	785.5	786.2	786.9	787.5	788.2	788.9	789.8	790.7
127.5°	847.9	846.2	844.6	842.9	844.6	846.2	847.9	849.5	850.6	851.1	851.5
130°	887.9	886.8	885.7	884.6	885.7	886.8	887.9	889.0	889.9	890.5	891.2
132.5°	926.3	925.2	924.1	923.0	924.1	925.2	926.3	927.5	928.1	928.2	928.3
135°	979.6	978.3	977.0	975.6	977.0	978.3	979.6	980.9	981.9	982.3	982.7
137.5°	1031.9	1030.8	1029.6	1028.5	1029.6	1030.8	1031.9	1033.1	1033.6	1033.5	1033.5
140°	1063.7	1062.4	1061.0	1059.7	1061.0	1062.4	1063.7	1065.0	1065.5	1065.0	1064.5
142.5°	1093.3	1092.0	1090.6	1089.3	1090.6	1092.0	1093.3	1094.7	1095.3	1095.2	1095.1
145°	1136.7	1135.4	1134.0	1132.7	1134.0	1135.4	1136.7	1138.1	1138.6	1138.4	1138.2
147.5°	1173.4	1171.7	1170.2	1168.5	1170.2	1171.7	1173.4	1174.9	1175.6	1175.4	1175.1
150°	1197.1	1195.3	1193.5	1191.8	1193.5	1195.3	1197.1	1198.9	1199.5	1199.1	1198.7
152.5°	1218.1	1216.6	1215.0	1213.4	1215.0	1216.6	1218.1	1219.8	1220.4	1220.0	1219.4
155°	1247.2	1245.4	1243.5	1241.8	1243.5	1245.4	1247.2	1248.9	1249.5	1248.8	1248.1
157.5°	1270.9	1269.2	1267.4	1265.6	1267.4	1269.2	1270.9	1272.7	1273.2	1272.6	1271.9
160°	1286.2	1284.4	1282.6	1280.8	1282.6	1284.4	1286.2	1288.0	1288.4	1287.5	1286.6
162.5°	1300.3	1298.3	1296.4	1294.4	1296.4	1298.3	1300.3	1302.3	1302.6	1301.4	1300.1
165°	1318.2	1316.4	1314.6	1312.9	1314.6	1316.4	1318.2	1319.9	1320.2	1318.9	1317.5
167.5°	1331.6	1329.6	1327.7	1325.7	1327.7	1329.6	1331.6	1333.7	1333.9	1332.2	1330.7
170°	1338.9	1336.9	1334.9	1332.8	1334.9	1336.9	1338.9	1340.8	1341.0	1339.2	1337.4
172.5°	1343.7	1341.7	1339.6	1337.6	1339.6	1341.7	1343.7	1345.7	1345.8	1344.3	1342.6
175°	1349.9	1347.9	1345.8	1343.8	1345.8	1347.9	1349.9	1351.9	1351.9	1350.2	1348.4
177.5°	1351.8	1350.3	1348.8	1347.5	1348.8	1350.3	1351.8	1353.1	1353.2	1352.0	1350.7
180°	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1512.0	1518.5	1526.5	1532.4	1543.2	1548.0	1553.8	1558.8	1567.3	1575.4	1585.0
5°	1410.1	1421.5	1437.0	1453.7	1473.3	1486.6	1505.5	1516.8	1539.6	1560.5	1580.6
7.5°	1317.8	1331.7	1353.6	1375.1	1400.6	1423.7	1447.2	1473.3	1502.4	1536.7	1565.1
10°	1254.4	1273.2	1296.7	1323.5	1354.4	1381.3	1412.8	1441.0	1476.5	1516.8	1554.4
12.5°	1203.9	1220.0	1246.2	1272.0	1305.0	1337.7	1370.4	1407.7	1449.1	1493.7	1541.0
15°	1134.3	1147.7	1169.2	1204.7	1238.3	1270.5	1319.5	1354.4	1406.8	1456.5	1513.5
17.5°	1074.8	1091.5	1109.6	1140.1	1174.8	1215.0	1258.9	1302.6	1353.1	1416.0	1480.3
20°	1038.3	1051.7	1072.5	1096.1	1132.9	1173.2	1214.8	1259.1	1320.9	1386.0	1455.1
22.5°	998.6	1013.1	1036.6	1062.2	1093.2	1131.9	1177.8	1226.3	1290.8	1354.8	1429.9
25°	951.7	961.8	983.3	1006.1	1037.0	1069.9	1117.5	1171.2	1234.9	1308.1	1384.7
27.5°	907.6	916.4	936.0	955.9	983.8	1022.9	1065.4	1119.6	1179.7	1253.9	1338.7
30°	875.9	885.3	902.8	924.2	951.1	985.2	1028.9	1080.0	1144.4	1216.9	1305.4
32.5°	848.5	856.8	870.0	891.5	917.7	950.9	991.4	1043.4	1107.8	1181.4	1268.3
35°	806.1	815.5	825.5	842.3	865.1	897.3	941.7	990.7	1052.4	1123.5	1203.4
37.5°	764.0	774.1	783.1	798.1	819.0	847.4	885.7	936.7	992.6	1061.1	1137.7
40°	737.6	745.6	753.0	769.1	790.0	816.8	852.4	898.0	957.1	1020.9	1084.6
42.5°	711.3	718.8	725.1	739.1	758.3	784.0	818.0	862.5	917.4	976.8	1033.0
45°	669.9	674.5	681.9	694.0	709.5	732.9	765.8	805.4	851.7	908.1	950.4
47.5°	625.0	632.4	638.4	649.0	661.7	684.8	716.3	749.9	791.9	833.9	863.7
50°	590.6	598.1	606.7	616.8	628.9	650.4	679.2	713.4	749.0	781.3	806.8
52.5°	558.4	565.2	574.5	584.0	598.8	617.1	641.6	672.1	707.1	730.2	751.5
55°	510.7	514.1	524.9	534.3	548.4	561.8	586.6	613.5	634.9	652.4	669.9
57.5°	462.0	466.6	472.8	481.2	495.2	510.9	528.3	552.1	564.7	573.7	587.3
60°	430.9	432.2	436.3	446.3	457.1	471.1	491.3	508.1	517.5	524.9	536.2
62.5°	396.5	396.8	403.5	410.9	419.0	434.1	450.5	464.1	471.8	475.4	486.3
65°	348.4	347.0	351.0	357.1	366.4	376.5	390.6	402.7	402.0	406.0	412.8
67.5°	299.1	297.7	297.7	303.5	311.2	320.1	329.8	336.8	336.9	342.3	345.7
70°	265.8	261.7	264.4	269.1	272.5	279.9	290.6	293.3	293.9	296.6	300.0
72.5°	231.4	230.1	232.2	234.3	236.5	242.3	251.4	253.0	253.1	254.8	260.3
75°	183.9	182.5	181.2	183.2	185.9	189.9	193.3	196.0	195.3	196.0	200.0
77.5°	137.8	134.1	133.5	134.5	135.2	137.6	141.1	140.8	141.5	141.4	145.9
80°	109.4	104.0	103.3	103.3	104.0	105.4	106.7	108.1	106.1	108.1	109.4
82.5°	80.4	77.1	77.1	76.5	76.6	76.9	77.7	78.5	78.1	79.0	79.9
85°	44.3	43.0	41.0	42.3	41.6	39.6	41.0	38.9	38.2	38.9	39.6
87.5°	18.4	18.8	17.4	17.0	16.2	16.4	15.1	14.1	13.3	13.4	14.7
90°	17.1	16.0	14.5	12.9	11.4	9.8	8.1	6.4	4.6	2.8	1.0
92.5°	17.1	16.0	14.6	13.3	11.9	10.5	10.4	11.7	12.9	14.2	15.4
95°	17.1	16.0	24.5	32.9	41.3	49.9	54.3	55.0	55.7	56.4	57.0
97.5°	43.0	49.2	66.0	82.7	99.4	116.1	123.9	122.7	121.5	120.3	119.1
100°	140.9	174.1	173.2	172.4	171.4	170.6	169.8	169.1	168.4	167.8	167.1
102.5°	215.9	222.1	221.6	221.1	220.5	220.0	219.3	218.4	217.7	216.8	215.9
105°	298.2	298.2	298.2	298.2	298.2	298.2	297.7	296.9	295.9	295.1	294.2
107.5°	377.5	377.5	377.0	376.5	376.1	375.7	375.5	375.5	375.5	375.5	375.5
110°	429.6	430.2	429.8	429.4	429.0	428.5	428.3	428.3	428.3	428.3	428.3



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	480.7	481.5	481.2	481.0	480.7	480.4	480.0	479.5	479.0	478.5	477.9
115°	557.5	558.4	558.1	557.9	557.7	557.5	556.8	555.7	554.6	553.5	552.3
117.5°	631.9	633.0	632.1	631.3	630.5	629.6	629.2	629.3	629.3	629.4	629.4
120°	679.0	679.4	678.7	678.1	677.4	676.7	676.6	676.7	677.0	677.2	677.4
122.5°	724.6	725.0	724.8	724.4	724.1	723.8	723.2	722.4	721.5	720.7	719.9
125°	791.6	792.5	792.5	792.5	792.5	792.5	791.7	790.1	788.6	787.0	785.5
127.5°	852.0	852.6	852.6	852.8	852.9	853.1	852.6	851.4	850.3	849.3	848.2
130°	891.9	892.6	892.3	892.2	891.9	891.7	891.0	889.9	888.8	887.7	886.6
132.5°	928.5	928.6	929.1	929.5	930.1	930.6	930.1	928.8	927.6	926.3	925.0
135°	983.2	983.6	984.0	984.6	985.0	985.4	985.0	983.6	982.3	980.9	979.6
137.5°	1033.4	1033.3	1033.6	1034.1	1034.5	1034.8	1034.5	1033.3	1032.2	1031.0	1029.8
140°	1064.1	1063.7	1063.9	1064.1	1064.4	1064.5	1064.5	1064.0	1063.6	1063.2	1062.6
142.5°	1095.0	1094.9	1094.6	1094.2	1094.0	1093.6	1093.4	1093.1	1092.9	1092.5	1092.3
145°	1138.0	1137.7	1137.7	1137.7	1137.7	1137.7	1137.5	1137.0	1136.6	1136.2	1135.7
147.5°	1174.8	1174.6	1174.3	1174.0	1173.7	1173.5	1173.4	1173.5	1173.5	1173.6	1173.7
150°	1198.2	1197.7	1197.3	1196.9	1196.4	1196.0	1196.0	1196.4	1196.9	1197.3	1197.7
152.5°	1219.0	1218.6	1218.1	1217.7	1217.3	1216.8	1217.0	1218.1	1219.0	1220.0	1221.0
155°	1247.5	1246.8	1246.4	1245.9	1245.4	1245.0	1245.4	1246.8	1248.1	1249.5	1250.8
157.5°	1271.1	1270.4	1270.4	1270.3	1270.3	1270.2	1270.6	1271.4	1272.2	1273.0	1273.8
160°	1285.7	1284.8	1284.6	1284.4	1284.2	1283.9	1284.5	1285.8	1287.2	1288.5	1289.9
162.5°	1298.9	1297.6	1297.4	1297.2	1296.9	1296.8	1297.3	1298.6	1299.9	1301.3	1302.6
165°	1316.2	1314.8	1314.6	1314.4	1314.1	1314.0	1314.5	1315.9	1317.2	1318.5	1319.8
167.5°	1329.0	1327.5	1327.2	1327.0	1326.8	1326.5	1327.1	1328.5	1329.9	1331.3	1332.7
170°	1335.7	1333.9	1333.6	1333.4	1333.2	1333.0	1333.6	1335.2	1336.7	1338.3	1339.9
172.5°	1341.1	1339.5	1339.0	1338.7	1338.3	1337.8	1338.4	1340.0	1341.5	1343.1	1344.6
175°	1346.6	1344.9	1344.6	1344.5	1344.2	1343.9	1344.5	1345.8	1347.2	1348.5	1349.9
177.5°	1349.5	1348.2	1348.1	1347.9	1347.7	1347.6	1348.0	1349.1	1350.1	1351.2	1352.3
180°	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1589.8	1597.4	1602.2	1611.4	1618.9	1623.2	1626.9	1630.1	1633.9	1637.1	1646.2
5°	1600.1	1617.5	1632.3	1655.1	1675.9	1692.0	1709.4	1724.9	1737.7	1755.8	1769.9
7.5°	1595.6	1626.6	1659.1	1694.4	1730.5	1764.1	1795.0	1823.9	1850.0	1881.7	1909.4
10°	1591.3	1633.7	1675.2	1722.9	1771.9	1813.5	1852.4	1892.0	1920.9	1961.2	1995.4
12.5°	1588.1	1637.9	1688.2	1745.4	1799.2	1858.0	1909.9	1938.7	1982.6	2014.8	2055.6
15°	1574.6	1640.4	1709.4	1773.9	1850.4	1904.8	1950.4	2006.8	2047.7	2088.7	2133.0
17.5°	1550.2	1624.8	1702.1	1786.5	1859.9	1918.3	1977.1	2031.5	2080.3	2135.3	2190.4
20°	1539.0	1613.5	1702.1	1788.6	1860.4	1921.6	1981.9	2041.7	2095.4	2165.8	2229.6
22.5°	1515.4	1605.4	1687.0	1771.5	1845.5	1911.9	1980.4	2048.1	2119.5	2199.2	2279.0
25°	1473.3	1564.5	1651.1	1734.3	1808.8	1892.0	1965.1	2055.8	2147.1	2252.5	2351.7
27.5°	1429.4	1516.8	1596.2	1676.5	1763.4	1857.7	1952.6	2055.4	2174.9	2307.9	2448.0
30°	1394.0	1476.5	1553.8	1636.3	1726.9	1833.0	1937.0	2059.2	2197.4	2347.1	2513.5
32.5°	1352.6	1428.7	1503.8	1591.2	1689.9	1801.8	1923.0	2057.0	2223.2	2393.2	2564.6
35°	1281.9	1345.7	1422.9	1516.1	1627.5	1755.8	1896.1	2054.4	2245.1	2440.3	2584.6
37.5°	1198.0	1257.4	1338.7	1441.0	1557.8	1695.4	1861.8	2049.8	2252.2	2407.9	2454.5
40°	1141.7	1196.7	1281.3	1387.3	1506.8	1652.4	1835.0	2033.7	2229.6	2328.9	2290.7
42.5°	1081.5	1139.3	1221.7	1326.6	1455.3	1613.8	1801.1	1999.8	2164.1	2201.7	2069.5
45°	986.6	1046.4	1127.6	1233.6	1371.8	1543.7	1739.0	1919.5	2014.1	1946.4	1741.7
47.5°	898.5	954.4	1029.7	1139.1	1281.8	1459.5	1647.6	1791.7	1799.1	1637.4	1418.8
50°	838.3	889.9	965.8	1075.2	1216.9	1396.7	1566.5	1679.9	1628.9	1445.7	1235.6
52.5°	779.2	829.8	904.6	1013.0	1153.0	1317.8	1475.8	1555.4	1459.2	1271.2	1091.7
55°	694.0	738.3	811.4	911.5	1044.3	1197.4	1331.6	1359.1	1234.2	1049.0	903.4
57.5°	610.8	652.1	718.7	810.8	932.3	1067.8	1172.8	1166.9	1034.9	876.0	760.4
60°	554.4	594.7	653.8	743.6	854.4	971.2	1061.1	1039.7	908.8	771.9	674.5
62.5°	503.9	539.8	595.7	674.4	775.5	883.6	957.5	925.8	797.6	677.9	601.0
65°	429.6	459.8	507.4	574.5	658.4	747.7	804.7	763.8	654.4	561.1	499.4
67.5°	358.5	382.7	422.7	476.2	547.8	619.5	654.3	613.0	525.6	457.4	411.7
70°	313.4	334.9	365.8	413.5	475.9	536.2	562.4	525.6	450.4	391.9	359.0
72.5°	268.4	286.0	313.1	356.0	406.0	458.4	481.4	446.1	384.4	335.0	304.3
75°	207.4	219.5	238.2	267.8	307.4	349.0	361.8	330.9	291.3	254.3	234.3
77.5°	148.4	158.7	172.9	191.6	219.6	246.1	257.2	239.4	208.7	185.4	168.8
80°	114.1	119.5	131.6	147.0	169.1	185.9	193.3	181.9	160.4	142.9	130.2
82.5°	81.4	86.7	93.9	106.7	120.8	132.2	140.2	132.5	116.9	103.2	95.8
85°	39.6	43.0	47.0	52.3	63.1	69.8	69.1	64.4	58.4	53.0	49.0
87.5°	14.6	15.4	17.4	20.4	22.4	24.8	26.2	25.4	23.6	22.2	20.8
90°	2.8	4.6	6.4	8.1	9.8	11.4	12.9	14.5	16.0	17.1	18.3
92.5°	14.2	12.9	11.7	10.4	10.5	11.9	13.3	14.6	16.0	17.1	18.3
95°	56.4	55.7	55.0	54.3	49.9	41.3	32.9	24.5	16.0	17.1	18.3
97.5°	120.3	121.5	122.7	123.9	116.1	99.4	82.7	66.0	49.2	43.0	36.7
100°	167.8	168.4	169.1	169.8	170.6	171.4	172.4	173.2	174.1	140.9	107.9
102.5°	216.8	217.7	218.4	219.3	220.0	220.5	221.1	221.6	222.1	215.9	209.6
105°	295.1	295.9	296.9	297.7	298.2	298.2	298.2	298.2	298.2	298.2	298.2
107.5°	375.5	375.5	375.5	375.5	375.7	376.1	376.5	377.0	377.5	377.5	377.5
110°	428.3	428.3	428.3	428.3	428.5	429.0	429.4	429.8	430.2	429.6	429.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	478.5	479.0	479.5	480.0	480.4	480.7	481.0	481.2	481.5	480.7	479.8
115°	553.5	554.6	555.7	556.8	557.5	557.7	557.9	558.1	558.4	557.5	556.6
117.5°	629.4	629.3	629.3	629.2	629.6	630.5	631.3	632.1	633.0	631.9	630.7
120°	677.2	677.0	676.7	676.6	676.7	677.4	678.1	678.7	679.4	679.0	678.6
122.5°	720.7	721.5	722.4	723.2	723.8	724.1	724.4	724.8	725.0	724.6	724.2
125°	787.0	788.6	790.1	791.7	792.5	792.5	792.5	792.5	792.5	791.6	790.7
127.5°	849.3	850.3	851.4	852.6	853.1	852.9	852.8	852.6	852.6	852.0	851.5
130°	887.7	888.8	889.9	891.0	891.7	891.9	892.2	892.3	892.6	891.9	891.2
132.5°	926.3	927.6	928.8	930.1	930.6	930.1	929.5	929.1	928.6	928.5	928.3
135°	980.9	982.3	983.6	985.0	985.4	985.0	984.6	984.0	983.6	983.2	982.7
137.5°	1031.0	1032.2	1033.3	1034.5	1034.8	1034.5	1034.1	1033.6	1033.3	1033.4	1033.5
140°	1063.2	1063.6	1064.0	1064.5	1064.5	1064.4	1064.1	1063.9	1063.7	1064.1	1064.5
142.5°	1092.5	1092.9	1093.1	1093.4	1093.6	1094.0	1094.2	1094.6	1094.9	1095.0	1095.1
145°	1136.2	1136.6	1137.0	1137.5	1137.7	1137.7	1137.7	1137.7	1137.7	1138.0	1138.2
147.5°	1173.6	1173.5	1173.5	1173.4	1173.5	1173.7	1174.0	1174.3	1174.6	1174.8	1175.1
150°	1197.3	1196.9	1196.4	1196.0	1196.0	1196.4	1196.9	1197.3	1197.7	1198.2	1198.7
152.5°	1220.0	1219.0	1218.1	1217.0	1216.8	1217.3	1217.7	1218.1	1218.6	1219.0	1219.4
155°	1249.5	1248.1	1246.8	1245.4	1245.0	1245.4	1245.9	1246.4	1246.8	1247.5	1248.1
157.5°	1273.0	1272.2	1271.4	1270.6	1270.2	1270.3	1270.3	1270.4	1270.4	1271.1	1271.9
160°	1288.5	1287.2	1285.8	1284.5	1283.9	1284.2	1284.4	1284.6	1284.8	1285.7	1286.6
162.5°	1301.3	1299.9	1298.6	1297.3	1296.8	1296.9	1297.2	1297.4	1297.6	1298.9	1300.1
165°	1318.5	1317.2	1315.9	1314.5	1314.0	1314.1	1314.4	1314.6	1314.8	1316.2	1317.5
167.5°	1331.3	1329.9	1328.5	1327.1	1326.5	1326.8	1327.0	1327.2	1327.5	1329.0	1330.7
170°	1338.3	1336.7	1335.2	1333.6	1333.0	1333.2	1333.4	1333.6	1333.9	1335.7	1337.4
172.5°	1343.1	1341.5	1340.0	1338.4	1337.8	1338.3	1338.7	1339.0	1339.5	1341.1	1342.6
175°	1348.5	1347.2	1345.8	1344.5	1343.9	1344.2	1344.5	1344.6	1344.9	1346.6	1348.4
177.5°	1351.2	1350.1	1349.1	1348.0	1347.6	1347.7	1347.9	1348.1	1348.2	1349.5	1350.7
180°	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1653.7	1658.0	1667.2	1664.0	1668.3	1670.4	1672.6
5°	1787.3	1808.8	1818.2	1816.9	1830.9	1827.6	1824.2
7.5°	1938.2	1960.8	1973.4	1989.1	1998.2	1998.9	2006.8
10°	2023.6	2053.1	2065.2	2082.0	2092.7	2098.8	2098.1
12.5°	2089.0	2112.2	2139.2	2147.5	2162.0	2169.6	2166.8
15°	2167.9	2204.8	2233.0	2247.0	2265.2	2270.5	2277.9
17.5°	2238.3	2287.8	2320.7	2364.4	2380.9	2391.0	2385.1
20°	2291.4	2356.5	2389.4	2441.7	2470.6	2486.1	2480.6
22.5°	2354.2	2424.7	2485.4	2530.8	2574.7	2595.6	2599.9
25°	2461.9	2558.5	2647.7	2707.5	2761.8	2774.6	2802.8
27.5°	2582.1	2696.0	2791.5	2854.4	2892.2	2906.4	2915.3
30°	2657.8	2771.2	2843.1	2883.3	2895.5	2894.1	2892.7
32.5°	2694.8	2765.9	2779.7	2768.5	2740.8	2717.4	2693.0
35°	2642.4	2589.4	2510.2	2408.1	2333.0	2257.1	2249.8
37.5°	2376.4	2206.9	2075.1	1927.9	1842.9	1790.4	1754.2
40°	2126.2	1933.6	1773.9	1649.8	1563.1	1529.0	1495.4
42.5°	1854.6	1670.5	1529.0	1425.3	1360.2	1322.2	1295.6
45°	1506.8	1344.4	1233.6	1158.5	1106.7	1077.2	1060.4
47.5°	1234.7	1114.6	1020.5	966.2	930.5	907.6	907.7
50°	1088.6	973.9	911.5	868.5	837.6	819.5	822.9
52.5°	959.2	873.5	820.2	784.2	761.4	750.2	749.8
55°	802.0	740.3	705.4	679.2	663.7	651.0	653.8
57.5°	686.0	634.0	610.6	588.9	578.2	573.1	565.7
60°	614.2	573.9	553.7	536.2	525.6	521.5	514.1
62.5°	550.3	518.6	498.9	484.7	475.0	473.7	468.0
65°	462.4	438.2	420.9	414.1	404.1	401.4	401.4
67.5°	381.3	363.9	350.3	344.1	339.8	340.4	337.2
70°	330.2	316.2	307.4	300.7	297.3	298.0	295.3
72.5°	288.9	273.2	265.5	261.5	257.1	258.8	257.7
75°	218.8	210.8	206.7	202.7	200.0	198.6	197.3
77.5°	160.7	153.6	150.5	148.2	148.6	145.3	147.9
80°	124.2	118.1	116.1	112.8	112.1	112.1	111.4
82.5°	90.8	87.5	86.0	83.3	82.1	83.1	81.4
85°	47.0	44.3	43.7	43.7	42.3	41.0	44.3
87.5°	21.0	19.1	19.3	18.9	19.0	18.6	17.7
90°	19.4	20.5	21.4	22.0	22.6	23.3	24.0
92.5°	19.4	20.5	21.2	21.4	21.8	22.1	22.4
95°	19.4	20.5	21.0	21.0	21.0	21.0	21.0
97.5°	30.4	24.1	21.0	21.0	21.0	21.0	21.0
100°	74.7	41.6	24.5	23.7	22.8	21.9	21.0
102.5°	203.4	197.1	186.4	171.3	156.1	141.0	125.9
105°	298.2	298.2	298.1	297.8	297.6	297.4	297.2
107.5°	377.5	377.6	377.3	376.6	376.0	375.3	374.6
110°	428.3	427.6	427.4	427.6	427.8	428.1	428.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	479.0	478.1	477.5	477.3	476.9	476.6	476.3
115°	555.7	554.8	553.7	552.3	551.0	549.7	548.4
117.5°	629.6	628.4	627.5	626.9	626.4	625.8	625.2
120°	678.1	677.7	676.9	675.8	674.7	673.6	672.4
122.5°	723.8	723.3	722.4	721.1	719.8	718.6	717.3
125°	789.8	788.9	788.2	787.5	786.9	786.2	785.5
127.5°	851.1	850.6	849.5	847.9	846.2	844.6	842.9
130°	890.5	889.9	889.0	887.9	886.8	885.7	884.6
132.5°	928.2	928.1	927.5	926.3	925.2	924.1	923.0
135°	982.3	981.9	980.9	979.6	978.3	977.0	975.6
137.5°	1033.5	1033.6	1033.1	1031.9	1030.8	1029.6	1028.5
140°	1065.0	1065.5	1065.0	1063.7	1062.4	1061.0	1059.7
142.5°	1095.2	1095.3	1094.7	1093.3	1092.0	1090.6	1089.3
145°	1138.4	1138.6	1138.1	1136.7	1135.4	1134.0	1132.7
147.5°	1175.4	1175.6	1174.9	1173.4	1171.7	1170.2	1168.5
150°	1199.1	1199.5	1198.9	1197.1	1195.3	1193.5	1191.8
152.5°	1220.0	1220.4	1219.8	1218.1	1216.6	1215.0	1213.4
155°	1248.8	1249.5	1248.9	1247.2	1245.4	1243.5	1241.8
157.5°	1272.6	1273.2	1272.7	1270.9	1269.2	1267.4	1265.6
160°	1287.5	1288.4	1288.0	1286.2	1284.4	1282.6	1280.8
162.5°	1301.4	1302.6	1302.3	1300.3	1298.3	1296.4	1294.4
165°	1318.9	1320.2	1319.9	1318.2	1316.4	1314.6	1312.9
167.5°	1332.2	1333.9	1333.7	1331.6	1329.6	1327.7	1325.7
170°	1339.2	1341.0	1340.8	1338.9	1336.9	1334.9	1332.8
172.5°	1344.3	1345.8	1345.7	1343.7	1341.7	1339.6	1337.6
175°	1350.2	1351.9	1351.9	1349.9	1347.9	1345.8	1343.8
177.5°	1352.0	1353.2	1353.1	1351.8	1350.3	1348.8	1347.5
180°	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9	1349.9

(END OF REPORT)