

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: P333479-927

Luminaire Tested: **S125DIW-S1270D1340U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333479-927
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-S1270D1340U927-4F0-1E-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: 7793.0 lumens
Efficiency: N/A
Efficacy: 102.3 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

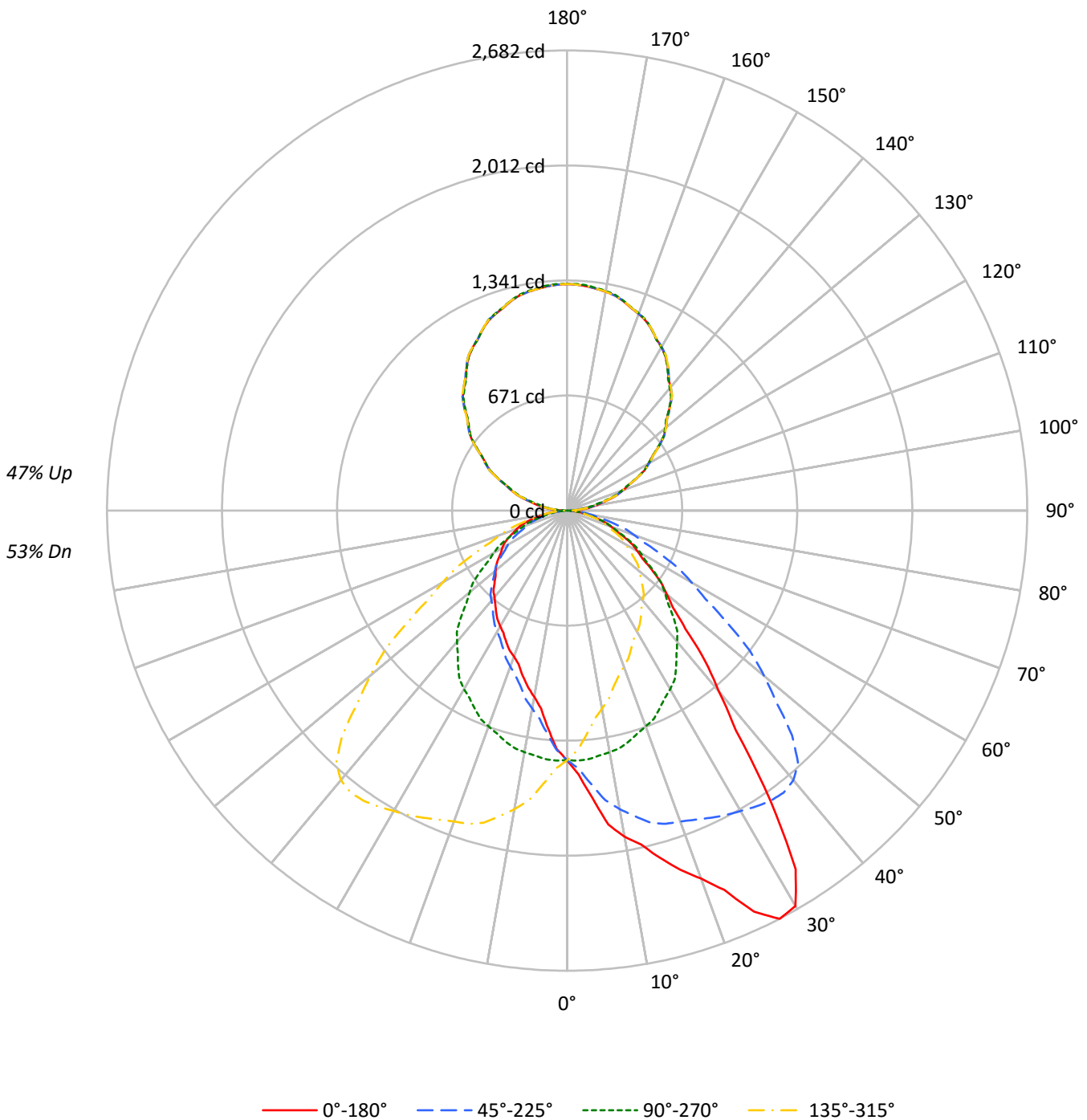
Input Watts (W): 76.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	9396	9396	9396	9396
5°	10881	9428	8255	9428
10°	12660	9379	7233	9379
15°	14014	9310	6672	9310
20°	15687	9201	6222	9201
25°	18377	9079	6002	9079
30°	19848	8957	5812	8957
35°	16320	8729	5687	8729
40°	11600	8413	5550	8413
45°	8912	7986	5471	7986
50°	7607	7458	5460	7458
55°	6773	6939	5507	6939
60°	6110	6373	5647	6373
65°	5644	5804	5793	5804
70°	5130	5212	5876	5212
75°	4531	4591	5827	4591
80°	3812	3745	5326	3745
85°	3016	2697	4305	2697



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.1	1.8
10°-20°	417.0	5.4
20°-30°	677.1	8.7
30°-40°	826.0	10.6
40°-50°	751.4	9.6
50°-60°	598.5	7.7
60°-70°	416.9	5.3
70°-80°	222.3	2.9
80°-90°	59.0	0.8
90°-100°	88.4	1.1
100°-110°	261.2	3.4
110°-120°	442.4	5.7
120°-130°	582.2	7.5
130°-140°	652.3	8.4
140°-150°	639.3	8.2
150°-160°	537.0	6.9
160°-170°	357.0	4.6
170°-180°	124.9	1.6
0°-30°	1234.2	15.8
0°-40°	2060.2	26.4
0°-60°	3410.1	43.8
0°-90°	4108.3	52.7
90°-120°	792.0	10.2
90°-150°	2665.8	34.2
90°-180°	3685.0	47.3
0°-180°	7793.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1455	1455	1455	1455	1455	
5°	1678	1454	1273	1454	1678	169
15°	2096	1392	998	1392	2096	600
25°	2579	1274	842	1274	2579	1178
35°	2070	1107	721	1107	2070	1267
45°	976	874	599	874	976	781
55°	602	616	489	616	602	542
65°	369	380	379	380	369	367
75°	182	184	234	184	182	196
85°	41	36	58	36	41	48
90°	25	1	25	1	25	16
95°	88	67	88	67	88	90
105°	255	234	255	234	255	270
115°	447	443	447	443	447	442
125°	650	646	650	646	650	581
135°	844	841	844	841	844	651
145°	1022	1018	1022	1018	1022	638
155°	1165	1165	1165	1165	1165	536
165°	1264	1267	1264	1267	1264	356
175°	1312	1317	1312	1317	1312	125
180°	1320	1320	1320	1320	1320	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1538.9	1536.9	1534.9	1531.0	1533.9	1525.5	1521.5	1514.7	1506.3	1503.3	1499.8
5°	1678.4	1681.5	1684.6	1671.7	1672.9	1664.2	1644.5	1628.4	1615.4	1598.8	1587.1
7.5°	1846.4	1839.1	1838.5	1830.1	1815.7	1804.0	1783.3	1756.8	1731.3	1702.2	1678.1
10°	1930.4	1931.0	1925.5	1915.6	1900.1	1889.0	1861.9	1835.9	1804.4	1767.4	1740.8
12.5°	1993.6	1996.2	1989.2	1975.9	1968.3	1943.4	1922.1	1891.3	1853.8	1824.2	1783.8
15°	2095.9	2089.1	2084.2	2067.4	2054.5	2028.5	1994.6	1962.5	1921.8	1884.0	1846.4
17.5°	2194.4	2199.9	2190.6	2175.4	2135.2	2104.9	2059.4	2015.3	1964.6	1914.1	1869.2
20°	2282.4	2287.3	2273.1	2246.5	2198.4	2168.1	2108.2	2051.4	1992.7	1927.9	1878.5
22.5°	2392.1	2388.1	2368.9	2328.5	2286.8	2230.9	2166.1	2096.8	2023.4	1950.1	1884.4
25°	2578.8	2552.8	2541.1	2491.1	2436.1	2354.0	2265.1	2163.8	2072.4	1975.5	1891.5
27.5°	2682.3	2674.1	2661.0	2626.2	2568.4	2480.6	2375.8	2252.3	2123.4	2001.1	1891.1
30°	2661.5	2662.8	2664.0	2652.9	2615.9	2549.7	2445.4	2312.6	2159.5	2021.8	1894.6
32.5°	2477.8	2500.2	2521.8	2547.2	2557.6	2544.8	2479.5	2359.6	2201.9	2045.5	1892.6
35°	2070.0	2076.7	2146.5	2215.7	2309.5	2382.4	2431.2	2378.1	2245.3	2065.6	1890.2
37.5°	1614.0	1647.3	1695.6	1773.8	1909.2	2030.5	2186.5	2258.3	2215.4	2072.2	1885.9
40°	1375.9	1406.8	1438.2	1517.9	1632.1	1779.1	1956.3	2107.6	2142.8	2051.4	1871.1
42.5°	1192.1	1216.6	1251.5	1311.4	1406.8	1537.0	1706.4	1904.1	2025.7	1991.2	1840.0
45°	975.7	991.1	1018.3	1065.9	1135.0	1236.9	1386.3	1602.5	1790.8	1853.2	1766.1
47.5°	835.1	835.0	856.1	889.0	938.9	1025.5	1136.0	1305.4	1506.5	1655.3	1648.5
50°	757.1	754.0	770.6	799.1	838.6	896.0	1001.6	1136.9	1330.2	1498.7	1545.6
52.5°	689.9	690.2	700.5	721.5	754.6	803.7	882.6	1004.5	1169.6	1342.6	1431.1
55°	601.5	599.0	610.7	625.0	649.0	681.1	737.9	831.2	965.2	1135.6	1250.5
57.5°	520.5	527.3	532.0	541.9	561.8	583.3	631.2	699.7	806.0	952.2	1073.6
60°	473.0	479.8	483.5	493.4	509.5	528.0	565.1	620.6	710.2	836.1	956.6
62.5°	430.6	435.9	437.0	446.0	459.1	477.1	506.3	552.9	623.7	733.9	851.8
65°	369.3	369.3	371.8	381.0	387.2	403.2	425.5	459.5	516.3	602.1	702.7
67.5°	310.2	313.2	312.6	316.6	322.3	334.9	350.8	378.8	420.9	483.5	564.0
70°	271.7	274.2	273.5	276.6	282.8	290.9	303.8	330.3	360.6	414.4	483.5
72.5°	237.1	238.1	236.5	240.6	244.3	251.4	265.8	280.0	308.2	353.6	410.4
75°	181.6	182.8	184.0	186.5	190.2	193.9	201.3	215.6	234.0	268.0	304.4
77.5°	136.1	133.7	136.7	136.3	138.5	141.3	147.8	155.3	170.6	192.0	220.2
80°	102.5	103.1	103.1	103.8	106.9	108.7	114.2	119.8	131.5	147.6	167.4
82.5°	74.9	76.4	75.5	76.6	79.1	80.5	83.6	88.2	95.0	107.6	121.9
85°	40.7	37.7	38.9	40.2	40.2	40.7	43.3	45.1	48.8	53.7	59.3
87.5°	16.8	17.7	18.0	17.8	18.2	18.1	19.8	19.6	20.8	22.0	23.7
90°	24.6	24.0	23.3	22.6	21.9	21.0	19.9	18.7	17.6	16.5	14.8
92.5°	48.5	48.0	47.5	47.0	46.5	45.5	44.0	42.5	41.0	39.5	37.5
95°	88.4	87.9	87.5	87.0	86.5	85.6	83.9	82.3	80.7	79.1	76.8
97.5°	134.0	133.7	133.5	133.2	132.9	132.0	130.5	129.0	127.5	126.0	122.9
100°	168.5	168.1	167.6	167.2	166.7	165.4	163.3	161.4	159.3	157.2	154.2
102.5°	203.0	202.4	201.8	201.1	200.5	199.1	196.8	194.6	192.3	190.1	188.6
105°	254.8	254.1	253.5	252.8	252.1	251.0	249.7	248.3	247.0	245.6	244.2
107.5°	307.8	307.9	307.9	308.0	308.1	307.8	307.0	306.3	305.7	305.0	304.0
110°	347.3	347.5	347.8	348.0	348.2	348.0	347.3	346.7	345.9	345.2	344.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	386.0	386.3	386.8	387.2	387.6	387.6	387.3	387.0	386.7	386.3	385.5
115°	447.0	447.3	447.4	447.7	447.9	448.1	448.4	448.6	448.9	449.1	448.6
117.5°	506.6	507.6	508.4	509.4	510.2	510.6	510.4	510.2	510.1	509.9	509.5
120°	547.7	548.6	549.5	550.4	551.4	551.8	551.8	551.8	551.8	551.8	551.6
122.5°	588.8	589.5	590.3	591.0	591.8	592.2	592.4	592.6	592.7	592.9	592.3
125°	650.5	650.7	650.9	651.2	651.4	651.7	652.2	652.6	653.1	653.6	653.3
127.5°	709.6	710.1	710.6	711.1	711.5	711.9	712.0	712.3	712.5	712.7	712.5
130°	749.1	749.6	750.0	750.5	750.9	751.3	751.5	751.7	751.9	752.2	751.7
132.5°	786.1	786.7	787.3	788.1	788.7	789.1	789.3	789.6	789.8	790.0	790.1
135°	843.7	844.5	845.5	846.4	847.3	847.8	847.8	847.8	847.8	847.8	847.6
137.5°	900.0	901.1	902.2	903.4	904.5	905.0	904.7	904.4	904.1	903.9	903.4
140°	936.1	937.3	938.4	939.5	940.7	941.0	940.6	940.2	939.7	939.2	938.5
142.5°	970.7	971.8	973.0	974.1	975.3	975.7	975.4	975.1	974.9	974.5	973.7
145°	1022.5	1023.1	1023.8	1024.5	1025.2	1025.6	1025.6	1025.6	1025.6	1025.6	1024.8
147.5°	1066.7	1068.2	1069.8	1071.3	1072.9	1073.3	1072.8	1072.2	1071.7	1071.2	1070.6
150°	1099.5	1099.9	1100.4	1100.9	1101.4	1101.6	1101.6	1101.6	1101.6	1101.6	1100.7
152.5°	1126.6	1127.4	1128.3	1129.1	1130.0	1130.0	1129.5	1128.9	1128.5	1127.9	1127.5
155°	1165.3	1166.4	1167.6	1168.7	1169.8	1170.0	1169.0	1168.2	1167.2	1166.3	1166.1
157.5°	1197.5	1199.0	1200.6	1202.1	1203.6	1203.9	1202.9	1202.1	1201.1	1200.2	1200.0
160°	1219.7	1220.9	1222.0	1223.2	1224.3	1224.4	1223.5	1222.6	1221.7	1220.8	1220.5
162.5°	1238.7	1240.0	1241.3	1242.6	1244.0	1244.0	1242.9	1241.9	1240.8	1239.7	1239.6
165°	1263.9	1265.3	1266.7	1268.0	1269.4	1269.6	1268.8	1267.8	1266.9	1266.0	1265.7
167.5°	1284.0	1285.5	1286.9	1288.3	1289.8	1289.8	1288.4	1287.1	1285.6	1284.3	1284.3
170°	1294.7	1296.3	1298.0	1299.6	1301.2	1301.2	1299.9	1298.5	1297.2	1295.8	1295.8
172.5°	1303.8	1305.2	1306.6	1308.1	1309.5	1309.5	1308.1	1306.8	1305.4	1304.0	1304.0
175°	1312.2	1313.8	1315.4	1317.0	1318.6	1318.7	1317.4	1316.0	1314.6	1313.3	1313.3
177.5°	1317.2	1318.4	1319.7	1321.0	1322.3	1322.4	1321.3	1320.2	1319.1	1318.0	1318.2
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1496.9	1493.4	1489.5	1482.6	1474.2	1469.7	1462.8	1458.3	1449.5	1442.0	1434.2
5°	1572.8	1556.8	1542.0	1522.8	1501.8	1488.2	1472.2	1454.3	1435.8	1416.6	1395.6
7.5°	1651.5	1623.1	1592.2	1559.0	1526.5	1496.6	1468.1	1440.0	1413.9	1382.3	1355.5
10°	1704.4	1668.6	1630.2	1585.2	1541.3	1503.1	1464.1	1430.2	1395.6	1358.5	1325.8
12.5°	1757.2	1709.5	1655.4	1605.9	1553.2	1507.0	1461.2	1417.8	1374.4	1333.3	1295.2
15°	1794.5	1752.5	1702.5	1632.1	1572.8	1509.3	1448.7	1392.5	1340.1	1294.3	1246.2
17.5°	1819.1	1765.0	1711.3	1643.7	1566.1	1494.9	1426.3	1362.0	1302.8	1244.9	1198.5
20°	1823.5	1768.0	1711.7	1645.7	1566.1	1484.5	1415.9	1338.8	1275.2	1215.3	1158.5
22.5°	1822.1	1759.0	1698.0	1629.9	1552.2	1477.1	1394.2	1315.6	1246.5	1187.6	1128.3
25°	1808.1	1740.8	1664.2	1595.7	1519.1	1439.5	1355.5	1274.0	1203.6	1136.2	1077.6
27.5°	1796.5	1709.2	1622.5	1542.5	1468.6	1395.6	1315.2	1231.7	1153.7	1085.4	1030.2
30°	1782.2	1686.5	1588.9	1505.5	1429.6	1358.5	1282.6	1201.1	1119.6	1052.9	993.6
32.5°	1769.3	1657.8	1554.8	1464.0	1383.6	1314.5	1244.5	1167.0	1087.0	1019.3	960.0
35°	1744.5	1615.4	1497.5	1395.0	1309.2	1238.1	1179.5	1107.2	1033.7	968.3	911.5
37.5°	1713.0	1559.9	1433.3	1325.8	1231.7	1156.9	1102.2	1046.8	976.3	913.2	861.8
40°	1688.3	1520.4	1386.3	1276.4	1178.8	1101.1	1050.4	997.9	939.3	880.6	826.2
42.5°	1657.2	1484.8	1338.9	1220.6	1124.0	1048.2	995.1	950.5	898.7	844.1	793.6
45°	1600.0	1420.3	1262.2	1135.0	1037.4	962.7	907.8	874.4	835.5	783.6	741.0
47.5°	1515.9	1342.8	1179.3	1048.1	947.4	878.1	826.6	794.6	767.2	728.6	690.0
50°	1441.3	1285.1	1119.6	989.3	888.6	818.8	771.3	742.3	718.8	689.1	656.4
52.5°	1357.8	1212.4	1060.8	932.0	832.3	763.5	716.9	691.4	671.8	650.6	618.4
55°	1225.2	1101.7	960.8	838.6	746.6	679.3	638.5	616.3	600.2	584.2	564.4
57.5°	1079.0	982.5	857.8	746.0	661.2	600.0	562.0	540.3	527.8	519.6	507.9
60°	976.3	893.6	786.1	684.2	601.5	547.2	510.1	493.4	482.9	476.1	467.5
62.5°	881.0	813.0	713.5	620.5	548.1	496.7	463.7	447.4	437.4	434.1	427.0
65°	740.4	687.9	605.8	528.6	466.8	423.0	395.2	379.8	373.6	369.9	370.5
67.5°	602.0	570.0	504.0	438.2	388.9	352.1	329.9	318.1	315.0	310.0	309.9
70°	517.5	493.4	437.8	380.4	336.5	308.2	288.4	276.0	272.9	270.5	269.9
72.5°	442.9	421.8	373.6	327.6	288.1	263.2	246.9	239.5	234.4	232.9	232.8
75°	332.9	321.2	282.8	246.4	219.2	201.9	190.8	184.0	180.3	179.7	180.3
77.5°	236.6	226.4	202.1	176.3	159.1	146.0	136.6	134.3	130.1	130.2	129.5
80°	177.8	171.0	155.6	135.2	121.0	110.0	105.0	100.7	99.4	97.6	99.4
82.5°	129.0	121.7	111.1	98.2	86.4	79.8	74.9	73.5	72.7	71.9	72.2
85°	63.6	64.2	58.1	48.2	43.3	39.5	36.4	36.4	35.8	35.2	35.8
87.5°	24.4	23.1	20.8	18.9	16.2	14.3	13.4	13.5	12.4	12.3	13.2
90°	13.2	11.6	10.1	8.3	6.5	4.7	2.9	1.0	2.9	4.7	6.5
92.5°	35.6	33.6	31.6	29.9	28.7	27.4	26.1	24.9	26.1	27.4	28.7
95°	74.5	72.2	70.0	68.6	68.1	67.7	67.3	66.8	67.3	67.7	68.1
97.5°	119.7	116.5	113.4	111.7	111.5	111.4	111.1	111.0	111.1	111.4	111.5
100°	151.3	148.3	145.4	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9
102.5°	187.1	185.6	184.1	182.8	182.0	181.0	180.1	179.2	180.1	181.0	182.0
105°	242.9	241.5	240.1	238.8	237.7	236.5	235.4	234.3	235.4	236.5	237.7
107.5°	302.9	301.8	300.8	299.7	298.6	297.4	296.3	295.1	296.3	297.4	298.6
110°	343.9	343.3	342.5	341.6	340.5	339.4	338.2	337.1	338.2	339.4	340.5



TEST NUMBER: P333479-927

CATALOG NUMBER: S125DIW-S1270D1340U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	384.6	383.7	382.9	382.1	381.6	381.0	380.4	379.8	380.4	381.0	381.6
115°	448.1	447.7	447.3	446.6	445.6	444.7	443.8	442.9	443.8	444.7	445.6
117.5°	509.1	508.7	508.3	507.9	507.4	507.0	506.6	506.2	506.6	507.0	507.4
120°	551.4	551.1	550.9	550.2	549.1	548.0	546.8	545.7	546.8	548.0	549.1
122.5°	591.8	591.1	590.6	590.0	589.6	589.2	588.8	588.4	588.8	589.2	589.6
125°	653.1	652.8	652.6	651.8	650.5	649.1	647.7	646.3	647.7	649.1	650.5
127.5°	712.2	711.9	711.6	711.1	710.3	709.6	708.8	708.0	708.8	709.6	710.3
130°	751.3	750.8	750.4	749.6	748.5	747.3	746.2	745.0	746.2	747.3	748.5
132.5°	790.2	790.3	790.4	789.5	787.6	785.8	783.9	782.0	783.9	785.8	787.6
135°	847.3	847.1	846.8	846.1	844.7	843.3	841.9	840.6	841.9	843.3	844.7
137.5°	902.9	902.4	901.8	900.9	899.6	898.3	897.0	895.6	897.0	898.3	899.6
140°	937.9	937.2	936.4	935.6	934.5	933.3	932.2	931.0	932.2	933.3	934.5
142.5°	972.8	971.9	971.1	970.2	969.2	968.3	967.3	966.4	967.3	968.3	969.2
145°	1024.1	1023.5	1022.8	1022.0	1021.0	1020.2	1019.2	1018.4	1019.2	1020.2	1021.0
147.5°	1070.1	1069.5	1069.0	1068.4	1067.9	1067.5	1066.9	1066.4	1066.9	1067.5	1067.9
150°	1099.8	1098.8	1097.9	1097.6	1097.8	1098.0	1098.3	1098.5	1098.3	1098.0	1097.8
152.5°	1127.1	1126.8	1126.4	1126.1	1125.8	1125.5	1125.1	1124.8	1125.1	1125.5	1125.8
155°	1165.9	1165.6	1165.4	1165.3	1165.3	1165.3	1165.3	1165.3	1165.3	1165.3	1165.3
157.5°	1199.8	1199.5	1199.3	1199.4	1199.9	1200.5	1200.9	1201.4	1200.9	1200.5	1199.9
160°	1220.4	1220.1	1219.9	1220.1	1220.8	1221.5	1222.2	1222.8	1222.2	1221.5	1220.8
162.5°	1239.6	1239.5	1239.5	1239.8	1240.2	1240.7	1241.3	1241.7	1241.3	1240.7	1240.2
165°	1265.5	1265.3	1265.1	1265.2	1265.7	1266.1	1266.5	1267.0	1266.5	1266.1	1265.7
167.5°	1284.3	1284.3	1284.3	1284.8	1285.6	1286.6	1287.5	1288.4	1287.5	1286.6	1285.6
170°	1295.8	1295.8	1295.8	1296.2	1297.2	1298.1	1299.0	1299.9	1299.0	1298.1	1297.2
172.5°	1304.0	1304.0	1304.0	1304.5	1305.4	1306.3	1307.2	1308.1	1307.2	1306.3	1305.4
175°	1313.3	1313.3	1313.3	1313.8	1314.6	1315.6	1316.4	1317.4	1316.4	1315.6	1314.6
177.5°	1318.3	1318.5	1318.7	1319.1	1319.9	1320.6	1321.4	1322.1	1321.4	1320.6	1319.9
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



TEST NUMBER: P333479-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1429.7	1424.3	1419.8	1409.9	1404.5	1397.1	1391.2	1397.6	1390.7	1393.6	1389.2
5°	1385.1	1367.8	1355.5	1337.5	1322.2	1307.9	1297.4	1295.5	1290.6	1288.2	1280.7
7.5°	1331.5	1309.9	1288.6	1265.2	1245.4	1225.3	1212.4	1201.8	1194.8	1185.5	1179.2
10°	1299.9	1270.9	1246.2	1217.7	1193.0	1171.5	1154.1	1145.5	1137.5	1125.8	1121.4
12.5°	1260.8	1230.8	1200.7	1170.4	1146.6	1122.5	1107.7	1094.6	1089.1	1075.9	1074.5
15°	1214.0	1168.9	1139.3	1108.4	1075.7	1056.0	1043.6	1029.4	1023.3	1014.0	1007.2
17.5°	1158.2	1117.9	1080.9	1048.9	1020.9	1004.2	988.9	979.1	968.5	962.5	951.3
20°	1117.7	1079.4	1042.4	1008.4	986.8	967.7	955.3	946.0	934.9	931.8	920.8
22.5°	1083.6	1041.4	1005.8	977.3	953.7	932.1	918.8	912.4	904.8	895.3	893.0
25°	1028.2	984.4	954.1	925.7	904.7	884.9	875.7	867.6	860.2	853.4	851.0
27.5°	980.2	941.1	905.1	879.5	861.2	843.2	835.0	825.3	819.8	814.4	807.7
30°	946.7	906.5	875.0	850.3	830.6	814.5	805.9	799.1	794.2	789.2	785.5
32.5°	912.1	874.9	844.4	820.2	800.4	788.3	780.7	775.9	770.4	764.5	759.8
35°	866.4	825.6	796.0	775.0	759.5	750.3	741.6	737.3	731.2	731.2	726.2
37.5°	814.9	779.7	753.5	734.4	720.5	712.3	702.9	699.9	695.9	693.3	691.7
40°	784.3	751.5	726.8	707.7	692.8	686.0	678.7	673.8	671.2	668.1	666.9
42.5°	752.7	721.4	697.7	680.0	667.2	661.4	654.4	651.0	646.0	642.0	641.3
45°	704.6	674.3	652.8	638.5	627.4	620.6	616.3	608.9	606.4	601.5	600.9
47.5°	659.0	630.0	608.8	597.1	587.4	581.9	575.0	567.6	564.8	562.3	562.1
50°	625.0	598.4	578.6	567.5	558.3	550.2	543.4	538.4	536.6	536.6	537.9
52.5°	590.3	567.8	551.0	537.3	528.6	520.1	513.8	510.8	507.9	511.0	513.2
55°	539.7	516.9	504.5	491.5	482.9	473.0	469.9	468.7	466.8	471.8	474.3
57.5°	486.1	470.1	455.6	442.8	435.0	429.3	425.1	424.4	427.9	430.2	438.2
60°	452.0	433.5	420.6	410.7	401.4	397.7	396.5	395.2	397.7	404.5	414.9
62.5°	414.5	399.4	385.5	378.0	371.2	365.1	364.8	365.6	370.5	378.3	388.8
65°	359.4	346.4	337.2	328.5	323.0	319.2	320.5	323.0	328.5	339.1	350.8
67.5°	303.5	294.5	286.3	279.2	273.9	273.9	275.2	278.8	285.4	297.5	308.2
70°	267.4	257.5	250.7	247.6	243.3	240.8	244.5	250.7	256.3	267.4	276.6
72.5°	231.3	222.9	217.6	215.6	213.7	211.7	212.9	219.6	227.1	238.2	249.0
75°	177.8	174.8	171.0	168.6	166.8	167.9	169.2	175.4	181.6	193.3	205.7
77.5°	129.8	126.6	124.4	123.7	122.8	123.3	126.8	131.4	137.4	146.0	155.3
80°	98.2	97.0	95.7	95.1	95.1	95.7	100.7	103.8	109.3	117.3	124.8
82.5°	71.5	70.7	70.5	70.4	70.9	71.0	74.0	78.0	82.6	88.6	95.1
85°	37.7	36.4	38.3	38.9	37.7	39.5	40.7	43.3	45.1	48.2	51.3
87.5°	14.0	15.4	15.2	16.0	16.3	17.6	17.3	19.6	20.8	22.0	21.7
90°	8.3	10.1	11.6	13.2	14.8	16.5	17.6	18.7	19.9	21.0	21.9
92.5°	29.9	31.6	33.6	35.6	37.5	39.5	41.0	42.5	44.0	45.5	46.5
95°	68.6	70.0	72.2	74.5	76.8	79.1	80.7	82.3	83.9	85.6	86.5
97.5°	111.7	113.4	116.5	119.7	122.9	126.0	127.5	129.0	130.5	132.0	132.9
100°	143.9	145.4	148.3	151.3	154.2	157.2	159.3	161.4	163.3	165.4	166.7
102.5°	182.8	184.1	185.6	187.1	188.6	190.1	192.3	194.6	196.8	199.1	200.5
105°	238.8	240.1	241.5	242.9	244.2	245.6	247.0	248.3	249.7	251.0	252.1
107.5°	299.7	300.8	301.8	302.9	304.0	305.0	305.7	306.3	307.0	307.8	308.1
110°	341.6	342.5	343.3	343.9	344.6	345.2	345.9	346.7	347.3	348.0	348.2



TEST NUMBER: P333479-927

CATALOG NUMBER: S125DIW-S1270D1340U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	382.1	382.9	383.7	384.6	385.5	386.3	386.7	387.0	387.3	387.6	387.6
115°	446.6	447.3	447.7	448.1	448.6	449.1	448.9	448.6	448.4	448.1	447.9
117.5°	507.9	508.3	508.7	509.1	509.5	509.9	510.1	510.2	510.4	510.6	510.2
120°	550.2	550.9	551.1	551.4	551.6	551.8	551.8	551.8	551.8	551.8	551.4
122.5°	590.0	590.6	591.1	591.8	592.3	592.9	592.7	592.6	592.4	592.2	591.8
125°	651.8	652.6	652.8	653.1	653.3	653.6	653.1	652.6	652.2	651.7	651.4
127.5°	711.1	711.6	711.9	712.2	712.5	712.7	712.5	712.3	712.0	711.9	711.5
130°	749.6	750.4	750.8	751.3	751.7	752.2	751.9	751.7	751.5	751.3	750.9
132.5°	789.5	790.4	790.3	790.2	790.1	790.0	789.8	789.6	789.3	789.1	788.7
135°	846.1	846.8	847.1	847.3	847.6	847.8	847.8	847.8	847.8	847.8	847.3
137.5°	900.9	901.8	902.4	902.9	903.4	903.9	904.1	904.4	904.7	905.0	904.5
140°	935.6	936.4	937.2	937.9	938.5	939.2	939.7	940.2	940.6	941.0	940.7
142.5°	970.2	971.1	971.9	972.8	973.7	974.5	974.9	975.1	975.4	975.7	975.3
145°	1022.0	1022.8	1023.5	1024.1	1024.8	1025.6	1025.6	1025.6	1025.6	1025.6	1025.2
147.5°	1068.4	1069.0	1069.5	1070.1	1070.6	1071.2	1071.7	1072.2	1072.8	1073.3	1072.9
150°	1097.6	1097.9	1098.8	1099.8	1100.7	1101.6	1101.6	1101.6	1101.6	1101.6	1101.4
152.5°	1126.1	1126.4	1126.8	1127.1	1127.5	1127.9	1128.5	1128.9	1129.5	1130.0	1130.0
155°	1165.3	1165.4	1165.6	1165.9	1166.1	1166.3	1167.2	1168.2	1169.0	1170.0	1169.8
157.5°	1199.4	1199.3	1199.5	1199.8	1200.0	1200.2	1201.1	1202.1	1202.9	1203.9	1203.6
160°	1220.1	1219.9	1220.1	1220.4	1220.5	1220.8	1221.7	1222.6	1223.5	1224.4	1224.3
162.5°	1239.8	1239.5	1239.5	1239.6	1239.6	1239.7	1240.8	1241.9	1242.9	1244.0	1244.0
165°	1265.2	1265.1	1265.3	1265.5	1265.7	1266.0	1266.9	1267.8	1268.8	1269.6	1269.4
167.5°	1284.8	1284.3	1284.3	1284.3	1284.3	1284.3	1285.6	1287.1	1288.4	1289.8	1289.8
170°	1296.2	1295.8	1295.8	1295.8	1295.8	1295.8	1297.2	1298.5	1299.9	1301.2	1301.2
172.5°	1304.5	1304.0	1304.0	1304.0	1304.0	1304.0	1305.4	1306.8	1308.1	1309.5	1309.5
175°	1313.8	1313.3	1313.3	1313.3	1313.3	1313.3	1314.6	1316.0	1317.4	1318.7	1318.6
177.5°	1319.1	1318.7	1318.5	1318.3	1318.2	1318.0	1319.1	1320.2	1321.3	1322.4	1322.3
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



TEST NUMBER: P333479-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1386.2	1389.6	1386.7	1390.7	1386.7	1389.6	1386.2	1389.2	1393.6	1390.7	1397.6
5°	1277.6	1272.1	1275.8	1273.4	1275.8	1272.1	1277.6	1280.7	1288.2	1290.6	1295.5
7.5°	1177.3	1172.0	1166.0	1163.2	1166.0	1172.0	1177.3	1179.2	1185.5	1194.8	1201.8
10°	1114.6	1107.9	1107.2	1102.9	1107.2	1107.9	1114.6	1121.4	1125.8	1137.5	1145.5
12.5°	1068.7	1062.4	1055.3	1053.5	1055.3	1062.4	1068.7	1074.5	1075.9	1089.1	1094.6
15°	1003.5	998.5	994.2	997.9	994.2	998.5	1003.5	1007.2	1014.0	1023.3	1029.4
17.5°	949.3	945.2	944.4	939.8	944.4	945.2	949.3	951.3	962.5	968.5	979.1
20°	915.2	912.1	913.3	905.3	913.3	912.1	915.2	920.8	931.8	934.9	946.0
22.5°	888.0	881.9	881.2	879.6	881.2	881.9	888.0	893.0	895.3	904.8	912.4
25°	845.4	842.3	839.2	842.3	839.2	842.3	845.4	851.0	853.4	860.2	867.6
27.5°	808.2	804.5	803.7	804.0	803.7	804.5	808.2	807.7	814.4	819.8	825.3
30°	785.5	779.3	779.9	779.3	779.9	779.3	785.5	785.5	789.2	794.2	799.1
32.5°	760.8	756.6	755.7	754.6	755.7	756.6	760.8	759.8	764.5	770.4	775.9
35°	724.4	724.4	721.3	721.3	721.3	724.4	724.4	726.2	731.2	731.2	737.3
37.5°	690.1	689.5	687.7	687.9	687.7	689.5	690.1	691.7	693.3	695.9	699.9
40°	664.5	663.8	661.9	658.3	661.9	663.8	664.5	666.9	668.1	671.2	673.8
42.5°	639.8	637.6	636.8	635.6	636.8	637.6	639.8	641.3	642.0	646.0	651.0
45°	600.9	600.9	599.6	599.0	599.6	600.9	600.9	600.9	601.5	606.4	608.9
47.5°	563.1	564.2	566.5	566.2	566.5	564.2	563.1	562.1	562.3	564.8	567.6
50°	540.3	541.0	542.8	543.4	542.8	541.0	540.3	537.9	536.6	536.6	538.4
52.5°	515.2	518.7	521.1	520.7	521.1	518.7	515.2	513.2	511.0	507.9	510.8
55°	479.8	484.1	488.5	489.1	488.5	484.1	479.8	474.3	471.8	466.8	468.7
57.5°	444.9	450.9	455.5	456.9	455.5	450.9	444.9	438.2	430.2	427.9	424.4
60°	421.1	429.2	434.7	437.2	434.7	429.2	421.1	414.9	404.5	397.7	395.2
62.5°	398.4	407.4	413.0	413.5	413.0	407.4	398.4	388.8	378.3	370.5	365.6
65°	361.2	370.5	375.4	379.1	375.4	370.5	361.2	350.8	339.1	328.5	323.0
67.5°	321.2	330.5	336.0	338.9	336.0	330.5	321.2	308.2	297.5	285.4	278.8
70°	292.1	301.3	308.8	311.2	308.8	301.3	292.1	276.6	267.4	256.3	250.7
72.5°	263.4	271.7	277.7	280.6	277.7	271.7	263.4	249.0	238.2	227.1	219.6
75°	213.7	224.7	230.4	233.5	230.4	224.7	213.7	205.7	193.3	181.6	175.4
77.5°	164.8	174.9	178.2	179.8	178.2	174.9	164.8	155.3	146.0	137.4	131.4
80°	132.1	138.3	142.7	143.2	142.7	138.3	132.1	124.8	117.3	109.3	103.8
82.5°	101.6	106.7	108.1	109.6	108.1	106.7	101.6	95.1	88.6	82.6	78.0
85°	55.6	58.1	58.7	58.1	58.7	58.1	55.6	51.3	48.2	45.1	43.3
87.5°	22.8	22.4	22.6	23.7	22.6	22.4	22.8	21.7	22.0	20.8	19.6
90°	22.6	23.3	24.0	24.6	24.0	23.3	22.6	21.9	21.0	19.9	18.7
92.5°	47.0	47.5	48.0	48.5	48.0	47.5	47.0	46.5	45.5	44.0	42.5
95°	87.0	87.5	87.9	88.4	87.9	87.5	87.0	86.5	85.6	83.9	82.3
97.5°	133.2	133.5	133.7	134.0	133.7	133.5	133.2	132.9	132.0	130.5	129.0
100°	167.2	167.6	168.1	168.5	168.1	167.6	167.2	166.7	165.4	163.3	161.4
102.5°	201.1	201.8	202.4	203.0	202.4	201.8	201.1	200.5	199.1	196.8	194.6
105°	252.8	253.5	254.1	254.8	254.1	253.5	252.8	252.1	251.0	249.7	248.3
107.5°	308.0	307.9	307.9	307.8	307.9	307.9	308.0	308.1	307.8	307.0	306.3
110°	348.0	347.8	347.5	347.3	347.5	347.8	348.0	348.2	348.0	347.3	346.7



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	387.2	386.8	386.3	386.0	386.3	386.8	387.2	387.6	387.6	387.3	387.0
115°	447.7	447.4	447.3	447.0	447.3	447.4	447.7	447.9	448.1	448.4	448.6
117.5°	509.4	508.4	507.6	506.6	507.6	508.4	509.4	510.2	510.6	510.4	510.2
120°	550.4	549.5	548.6	547.7	548.6	549.5	550.4	551.4	551.8	551.8	551.8
122.5°	591.0	590.3	589.5	588.8	589.5	590.3	591.0	591.8	592.2	592.4	592.6
125°	651.2	650.9	650.7	650.5	650.7	650.9	651.2	651.4	651.7	652.2	652.6
127.5°	711.1	710.6	710.1	709.6	710.1	710.6	711.1	711.5	711.9	712.0	712.3
130°	750.5	750.0	749.6	749.1	749.6	750.0	750.5	750.9	751.3	751.5	751.7
132.5°	788.1	787.3	786.7	786.1	786.7	787.3	788.1	788.7	789.1	789.3	789.6
135°	846.4	845.5	844.5	843.7	844.5	845.5	846.4	847.3	847.8	847.8	847.8
137.5°	903.4	902.2	901.1	900.0	901.1	902.2	903.4	904.5	905.0	904.7	904.4
140°	939.5	938.4	937.3	936.1	937.3	938.4	939.5	940.7	941.0	940.6	940.2
142.5°	974.1	973.0	971.8	970.7	971.8	973.0	974.1	975.3	975.7	975.4	975.1
145°	1024.5	1023.8	1023.1	1022.5	1023.1	1023.8	1024.5	1025.2	1025.6	1025.6	1025.6
147.5°	1071.3	1069.8	1068.2	1066.7	1068.2	1069.8	1071.3	1072.9	1073.3	1072.8	1072.2
150°	1100.9	1100.4	1099.9	1099.5	1099.9	1100.4	1100.9	1101.4	1101.6	1101.6	1101.6
152.5°	1129.1	1128.3	1127.4	1126.6	1127.4	1128.3	1129.1	1130.0	1130.0	1129.5	1128.9
155°	1168.7	1167.6	1166.4	1165.3	1166.4	1167.6	1168.7	1169.8	1170.0	1169.0	1168.2
157.5°	1202.1	1200.6	1199.0	1197.5	1199.0	1200.6	1202.1	1203.6	1203.9	1202.9	1202.1
160°	1223.2	1222.0	1220.9	1219.7	1220.9	1222.0	1223.2	1224.3	1224.4	1223.5	1222.6
162.5°	1242.6	1241.3	1240.0	1238.7	1240.0	1241.3	1242.6	1244.0	1244.0	1242.9	1241.9
165°	1268.0	1266.7	1265.3	1263.9	1265.3	1266.7	1268.0	1269.4	1269.6	1268.8	1267.8
167.5°	1288.3	1286.9	1285.5	1284.0	1285.5	1286.9	1288.3	1289.8	1289.8	1288.4	1287.1
170°	1299.6	1298.0	1296.3	1294.7	1296.3	1298.0	1299.6	1301.2	1301.2	1299.9	1298.5
172.5°	1308.1	1306.6	1305.2	1303.8	1305.2	1306.6	1308.1	1309.5	1309.5	1308.1	1306.8
175°	1317.0	1315.4	1313.8	1312.2	1313.8	1315.4	1317.0	1318.6	1318.7	1317.4	1316.0
177.5°	1321.0	1319.7	1318.4	1317.2	1318.4	1319.7	1321.0	1322.3	1322.4	1321.3	1320.2
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1391.2	1397.1	1404.5	1409.9	1419.8	1424.3	1429.7	1434.2	1442.0	1449.5	1458.3
5°	1297.4	1307.9	1322.2	1337.5	1355.5	1367.8	1385.1	1395.6	1416.6	1435.8	1454.3
7.5°	1212.4	1225.3	1245.4	1265.2	1288.6	1309.9	1331.5	1355.5	1382.3	1413.9	1440.0
10°	1154.1	1171.5	1193.0	1217.7	1246.2	1270.9	1299.9	1325.8	1358.5	1395.6	1430.2
12.5°	1107.7	1122.5	1146.6	1170.4	1200.7	1230.8	1260.8	1295.2	1333.3	1374.4	1417.8
15°	1043.6	1056.0	1075.7	1108.4	1139.3	1168.9	1214.0	1246.2	1294.3	1340.1	1392.5
17.5°	988.9	1004.2	1020.9	1048.9	1080.9	1117.9	1158.2	1198.5	1244.9	1302.8	1362.0
20°	955.3	967.7	986.8	1008.4	1042.4	1079.4	1117.7	1158.5	1215.3	1275.2	1338.8
22.5°	918.8	932.1	953.7	977.3	1005.8	1041.4	1083.6	1128.3	1187.6	1246.5	1315.6
25°	875.7	884.9	904.7	925.7	954.1	984.4	1028.2	1077.6	1136.2	1203.6	1274.0
27.5°	835.0	843.2	861.2	879.5	905.1	941.1	980.2	1030.2	1085.4	1153.7	1231.7
30°	805.9	814.5	830.6	850.3	875.0	906.5	946.7	993.6	1052.9	1119.6	1201.1
32.5°	780.7	788.3	800.4	820.2	844.4	874.9	912.1	960.0	1019.3	1087.0	1167.0
35°	741.6	750.3	759.5	775.0	796.0	825.6	866.4	911.5	968.3	1033.7	1107.2
37.5°	702.9	712.3	720.5	734.4	753.5	779.7	814.9	861.8	913.2	976.3	1046.8
40°	678.7	686.0	692.8	707.7	726.8	751.5	784.3	826.2	880.6	939.3	997.9
42.5°	654.4	661.4	667.2	680.0	697.7	721.4	752.7	793.6	844.1	898.7	950.5
45°	616.3	620.6	627.4	638.5	652.8	674.3	704.6	741.0	783.6	835.5	874.4
47.5°	575.0	581.9	587.4	597.1	608.8	630.0	659.0	690.0	728.6	767.2	794.6
50°	543.4	550.2	558.3	567.5	578.6	598.4	625.0	656.4	689.1	718.8	742.3
52.5°	513.8	520.1	528.6	537.3	551.0	567.8	590.3	618.4	650.6	671.8	691.4
55°	469.9	473.0	482.9	491.5	504.5	516.9	539.7	564.4	584.2	600.2	616.3
57.5°	425.1	429.3	435.0	442.8	455.6	470.1	486.1	507.9	519.6	527.8	540.3
60°	396.5	397.7	401.4	410.7	420.6	433.5	452.0	467.5	476.1	482.9	493.4
62.5°	364.8	365.1	371.2	378.0	385.5	399.4	414.5	427.0	434.1	437.4	447.4
65°	320.5	319.2	323.0	328.5	337.2	346.4	359.4	370.5	369.9	373.6	379.8
67.5°	275.2	273.9	273.9	279.2	286.3	294.5	303.5	309.9	310.0	315.0	318.1
70°	244.5	240.8	243.3	247.6	250.7	257.5	267.4	269.9	270.5	272.9	276.0
72.5°	212.9	211.7	213.7	215.6	217.6	222.9	231.3	232.8	232.9	234.4	239.5
75°	169.2	167.9	166.8	168.6	171.0	174.8	177.8	180.3	179.7	180.3	184.0
77.5°	126.8	123.3	122.8	123.7	124.4	126.6	129.8	129.5	130.2	130.1	134.3
80°	100.7	95.7	95.1	95.1	95.7	97.0	98.2	99.4	97.6	99.4	100.7
82.5°	74.0	71.0	70.9	70.4	70.5	70.7	71.5	72.2	71.9	72.7	73.5
85°	40.7	39.5	37.7	38.9	38.3	36.4	37.7	35.8	35.2	35.8	36.4
87.5°	17.3	17.6	16.3	16.0	15.2	15.4	14.0	13.2	12.3	12.4	13.5
90°	17.6	16.5	14.8	13.2	11.6	10.1	8.3	6.5	4.7	2.9	1.0
92.5°	41.0	39.5	37.5	35.6	33.6	31.6	29.9	28.7	27.4	26.1	24.9
95°	80.7	79.1	76.8	74.5	72.2	70.0	68.6	68.1	67.7	67.3	66.8
97.5°	127.5	126.0	122.9	119.7	116.5	113.4	111.7	111.5	111.4	111.1	111.0
100°	159.3	157.2	154.2	151.3	148.3	145.4	143.9	143.9	143.9	143.9	143.9
102.5°	192.3	190.1	188.6	187.1	185.6	184.1	182.8	182.0	181.0	180.1	179.2
105°	247.0	245.6	244.2	242.9	241.5	240.1	238.8	237.7	236.5	235.4	234.3
107.5°	305.7	305.0	304.0	302.9	301.8	300.8	299.7	298.6	297.4	296.3	295.1
110°	345.9	345.2	344.6	343.9	343.3	342.5	341.6	340.5	339.4	338.2	337.1



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	386.7	386.3	385.5	384.6	383.7	382.9	382.1	381.6	381.0	380.4	379.8
115°	448.9	449.1	448.6	448.1	447.7	447.3	446.6	445.6	444.7	443.8	442.9
117.5°	510.1	509.9	509.5	509.1	508.7	508.3	507.9	507.4	507.0	506.6	506.2
120°	551.8	551.8	551.6	551.4	551.1	550.9	550.2	549.1	548.0	546.8	545.7
122.5°	592.7	592.9	592.3	591.8	591.1	590.6	590.0	589.6	589.2	588.8	588.4
125°	653.1	653.6	653.3	653.1	652.8	652.6	651.8	650.5	649.1	647.7	646.3
127.5°	712.5	712.7	712.5	712.2	711.9	711.6	711.1	710.3	709.6	708.8	708.0
130°	751.9	752.2	751.7	751.3	750.8	750.4	749.6	748.5	747.3	746.2	745.0
132.5°	789.8	790.0	790.1	790.2	790.3	790.4	789.5	787.6	785.8	783.9	782.0
135°	847.8	847.8	847.6	847.3	847.1	846.8	846.1	844.7	843.3	841.9	840.6
137.5°	904.1	903.9	903.4	902.9	902.4	901.8	900.9	899.6	898.3	897.0	895.6
140°	939.7	939.2	938.5	937.9	937.2	936.4	935.6	934.5	933.3	932.2	931.0
142.5°	974.9	974.5	973.7	972.8	971.9	971.1	970.2	969.2	968.3	967.3	966.4
145°	1025.6	1025.6	1024.8	1024.1	1023.5	1022.8	1022.0	1021.0	1020.2	1019.2	1018.4
147.5°	1071.7	1071.2	1070.6	1070.1	1069.5	1069.0	1068.4	1067.9	1067.5	1066.9	1066.4
150°	1101.6	1101.6	1100.7	1099.8	1098.8	1097.9	1097.6	1097.8	1098.0	1098.3	1098.5
152.5°	1128.5	1127.9	1127.5	1127.1	1126.8	1126.4	1126.1	1125.8	1125.5	1125.1	1124.8
155°	1167.2	1166.3	1166.1	1165.9	1165.6	1165.4	1165.3	1165.3	1165.3	1165.3	1165.3
157.5°	1201.1	1200.2	1200.0	1199.8	1199.5	1199.3	1199.4	1199.9	1200.5	1200.9	1201.4
160°	1221.7	1220.8	1220.5	1220.4	1220.1	1219.9	1220.1	1220.8	1221.5	1222.2	1222.8
162.5°	1240.8	1239.7	1239.6	1239.6	1239.5	1239.5	1239.8	1240.2	1240.7	1241.3	1241.7
165°	1266.9	1266.0	1265.7	1265.5	1265.3	1265.1	1265.2	1265.7	1266.1	1266.5	1267.0
167.5°	1285.6	1284.3	1284.3	1284.3	1284.3	1284.3	1284.8	1285.6	1286.6	1287.5	1288.4
170°	1297.2	1295.8	1295.8	1295.8	1295.8	1295.8	1296.2	1297.2	1298.1	1299.0	1299.9
172.5°	1305.4	1304.0	1304.0	1304.0	1304.0	1304.0	1304.5	1305.4	1306.3	1307.2	1308.1
175°	1314.6	1313.3	1313.3	1313.3	1313.3	1313.3	1313.8	1314.6	1315.6	1316.4	1317.4
177.5°	1319.1	1318.0	1318.2	1318.3	1318.5	1318.7	1319.1	1319.9	1320.6	1321.4	1322.1
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1462.8	1469.7	1474.2	1482.6	1489.5	1493.4	1496.9	1499.8	1503.3	1506.3	1514.7
5°	1472.2	1488.2	1501.8	1522.8	1542.0	1556.8	1572.8	1587.1	1598.8	1615.4	1628.4
7.5°	1468.1	1496.6	1526.5	1559.0	1592.2	1623.1	1651.5	1678.1	1702.2	1731.3	1756.8
10°	1464.1	1503.1	1541.3	1585.2	1630.2	1668.6	1704.4	1740.8	1767.4	1804.4	1835.9
12.5°	1461.2	1507.0	1553.2	1605.9	1655.4	1709.5	1757.2	1783.8	1824.2	1853.8	1891.3
15°	1448.7	1509.3	1572.8	1632.1	1702.5	1752.5	1794.5	1846.4	1884.0	1921.8	1962.5
17.5°	1426.3	1494.9	1566.1	1643.7	1711.3	1765.0	1819.1	1869.2	1914.1	1964.6	2015.3
20°	1415.9	1484.5	1566.1	1645.7	1711.7	1768.0	1823.5	1878.5	1927.9	1992.7	2051.4
22.5°	1394.2	1477.1	1552.2	1629.9	1698.0	1759.0	1822.1	1884.4	1950.1	2023.4	2096.8
25°	1355.5	1439.5	1519.1	1595.7	1664.2	1740.8	1808.1	1891.5	1975.5	2072.4	2163.8
27.5°	1315.2	1395.6	1468.6	1542.5	1622.5	1709.2	1796.5	1891.1	2001.1	2123.4	2252.3
30°	1282.6	1358.5	1429.6	1505.5	1588.9	1686.5	1782.2	1894.6	2021.8	2159.5	2312.6
32.5°	1244.5	1314.5	1383.6	1464.0	1554.8	1657.8	1769.3	1892.6	2045.5	2201.9	2359.6
35°	1179.5	1238.1	1309.2	1395.0	1497.5	1615.4	1744.5	1890.2	2065.6	2245.3	2378.1
37.5°	1102.2	1156.9	1231.7	1325.8	1433.3	1559.9	1713.0	1885.9	2072.2	2215.4	2258.3
40°	1050.4	1101.1	1178.8	1276.4	1386.3	1520.4	1688.3	1871.1	2051.4	2142.8	2107.6
42.5°	995.1	1048.2	1124.0	1220.6	1338.9	1484.8	1657.2	1840.0	1991.2	2025.7	1904.1
45°	907.8	962.7	1037.4	1135.0	1262.2	1420.3	1600.0	1766.1	1853.2	1790.8	1602.5
47.5°	826.6	878.1	947.4	1048.1	1179.3	1342.8	1515.9	1648.5	1655.3	1506.5	1305.4
50°	771.3	818.8	888.6	989.3	1119.6	1285.1	1441.3	1545.6	1498.7	1330.2	1136.9
52.5°	716.9	763.5	832.3	932.0	1060.8	1212.4	1357.8	1431.1	1342.6	1169.6	1004.5
55°	638.5	679.3	746.6	838.6	960.8	1101.7	1225.2	1250.5	1135.6	965.2	831.2
57.5°	562.0	600.0	661.2	746.0	857.8	982.5	1079.0	1073.6	952.2	806.0	699.7
60°	510.1	547.2	601.5	684.2	786.1	893.6	976.3	956.6	836.1	710.2	620.6
62.5°	463.7	496.7	548.1	620.5	713.5	813.0	881.0	851.8	733.9	623.7	552.9
65°	395.2	423.0	466.8	528.6	605.8	687.9	740.4	702.7	602.1	516.3	459.5
67.5°	329.9	352.1	388.9	438.2	504.0	570.0	602.0	564.0	483.5	420.9	378.8
70°	288.4	308.2	336.5	380.4	437.8	493.4	517.5	483.5	414.4	360.6	330.3
72.5°	246.9	263.2	288.1	327.6	373.6	421.8	442.9	410.4	353.6	308.2	280.0
75°	190.8	201.9	219.2	246.4	282.8	321.2	332.9	304.4	268.0	234.0	215.6
77.5°	136.6	146.0	159.1	176.3	202.1	226.4	236.6	220.2	192.0	170.6	155.3
80°	105.0	110.0	121.0	135.2	155.6	171.0	177.8	167.4	147.6	131.5	119.8
82.5°	74.9	79.8	86.4	98.2	111.1	121.7	129.0	121.9	107.6	95.0	88.2
85°	36.4	39.5	43.3	48.2	58.1	64.2	63.6	59.3	53.7	48.8	45.1
87.5°	13.4	14.3	16.2	18.9	20.8	23.1	24.4	23.7	22.0	20.8	19.6
90°	2.9	4.7	6.5	8.3	10.1	11.6	13.2	14.8	16.5	17.6	18.7
92.5°	26.1	27.4	28.7	29.9	31.6	33.6	35.6	37.5	39.5	41.0	42.5
95°	67.3	67.7	68.1	68.6	70.0	72.2	74.5	76.8	79.1	80.7	82.3
97.5°	111.1	111.4	111.5	111.7	113.4	116.5	119.7	122.9	126.0	127.5	129.0
100°	143.9	143.9	143.9	143.9	145.4	148.3	151.3	154.2	157.2	159.3	161.4
102.5°	180.1	181.0	182.0	182.8	184.1	185.6	187.1	188.6	190.1	192.3	194.6
105°	235.4	236.5	237.7	238.8	240.1	241.5	242.9	244.2	245.6	247.0	248.3
107.5°	296.3	297.4	298.6	299.7	300.8	301.8	302.9	304.0	305.0	305.7	306.3
110°	338.2	339.4	340.5	341.6	342.5	343.3	343.9	344.6	345.2	345.9	346.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	380.4	381.0	381.6	382.1	382.9	383.7	384.6	385.5	386.3	386.7	387.0
115°	443.8	444.7	445.6	446.6	447.3	447.7	448.1	448.6	449.1	448.9	448.6
117.5°	506.6	507.0	507.4	507.9	508.3	508.7	509.1	509.5	509.9	510.1	510.2
120°	546.8	548.0	549.1	550.2	550.9	551.1	551.4	551.6	551.8	551.8	551.8
122.5°	588.8	589.2	589.6	590.0	590.6	591.1	591.8	592.3	592.9	592.7	592.6
125°	647.7	649.1	650.5	651.8	652.6	652.8	653.1	653.3	653.6	653.1	652.6
127.5°	708.8	709.6	710.3	711.1	711.6	711.9	712.2	712.5	712.7	712.5	712.3
130°	746.2	747.3	748.5	749.6	750.4	750.8	751.3	751.7	752.2	751.9	751.7
132.5°	783.9	785.8	787.6	789.5	790.4	790.3	790.2	790.1	790.0	789.8	789.6
135°	841.9	843.3	844.7	846.1	846.8	847.1	847.3	847.6	847.8	847.8	847.8
137.5°	897.0	898.3	899.6	900.9	901.8	902.4	902.9	903.4	903.9	904.1	904.4
140°	932.2	933.3	934.5	935.6	936.4	937.2	937.9	938.5	939.2	939.7	940.2
142.5°	967.3	968.3	969.2	970.2	971.1	971.9	972.8	973.7	974.5	974.9	975.1
145°	1019.2	1020.2	1021.0	1022.0	1022.8	1023.5	1024.1	1024.8	1025.6	1025.6	1025.6
147.5°	1066.9	1067.5	1067.9	1068.4	1069.0	1069.5	1070.1	1070.6	1071.2	1071.7	1072.2
150°	1098.3	1098.0	1097.8	1097.6	1097.9	1098.8	1099.8	1100.7	1101.6	1101.6	1101.6
152.5°	1125.1	1125.5	1125.8	1126.1	1126.4	1126.8	1127.1	1127.5	1127.9	1128.5	1128.9
155°	1165.3	1165.3	1165.3	1165.3	1165.4	1165.6	1165.9	1166.1	1166.3	1167.2	1168.2
157.5°	1200.9	1200.5	1199.9	1199.4	1199.3	1199.5	1199.8	1200.0	1200.2	1201.1	1202.1
160°	1222.2	1221.5	1220.8	1220.1	1219.9	1220.1	1220.4	1220.5	1220.8	1221.7	1222.6
162.5°	1241.3	1240.7	1240.2	1239.8	1239.5	1239.5	1239.6	1239.6	1239.7	1240.8	1241.9
165°	1266.5	1266.1	1265.7	1265.2	1265.1	1265.3	1265.5	1265.7	1266.0	1266.9	1267.8
167.5°	1287.5	1286.6	1285.6	1284.8	1284.3	1284.3	1284.3	1284.3	1284.3	1285.6	1287.1
170°	1299.0	1298.1	1297.2	1296.2	1295.8	1295.8	1295.8	1295.8	1295.8	1297.2	1298.5
172.5°	1307.2	1306.3	1305.4	1304.5	1304.0	1304.0	1304.0	1304.0	1304.0	1305.4	1306.8
175°	1316.4	1315.6	1314.6	1313.8	1313.3	1313.3	1313.3	1313.3	1313.3	1314.6	1316.0
177.5°	1321.4	1320.6	1319.9	1319.1	1318.7	1318.5	1318.3	1318.2	1318.0	1319.1	1320.2
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1521.5	1525.5	1533.9	1531.0	1534.9	1536.9	1538.9
5°	1644.5	1664.2	1672.9	1671.7	1684.6	1681.5	1678.4
7.5°	1783.3	1804.0	1815.7	1830.1	1838.5	1839.1	1846.4
10°	1861.9	1889.0	1900.1	1915.6	1925.5	1931.0	1930.4
12.5°	1922.1	1943.4	1968.3	1975.9	1989.2	1996.2	1993.6
15°	1994.6	2028.5	2054.5	2067.4	2084.2	2089.1	2095.9
17.5°	2059.4	2104.9	2135.2	2175.4	2190.6	2199.9	2194.4
20°	2108.2	2168.1	2198.4	2246.5	2273.1	2287.3	2282.4
22.5°	2166.1	2230.9	2286.8	2328.5	2368.9	2388.1	2392.1
25°	2265.1	2354.0	2436.1	2491.1	2541.1	2552.8	2578.8
27.5°	2375.8	2480.6	2568.4	2626.2	2661.0	2674.1	2682.3
30°	2445.4	2549.7	2615.9	2652.9	2664.0	2662.8	2661.5
32.5°	2479.5	2544.8	2557.6	2547.2	2521.8	2500.2	2477.8
35°	2431.2	2382.4	2309.5	2215.7	2146.5	2076.7	2070.0
37.5°	2186.5	2030.5	1909.2	1773.8	1695.6	1647.3	1614.0
40°	1956.3	1779.1	1632.1	1517.9	1438.2	1406.8	1375.9
42.5°	1706.4	1537.0	1406.8	1311.4	1251.5	1216.6	1192.1
45°	1386.3	1236.9	1135.0	1065.9	1018.3	991.1	975.7
47.5°	1136.0	1025.5	938.9	889.0	856.1	835.0	835.1
50°	1001.6	896.0	838.6	799.1	770.6	754.0	757.1
52.5°	882.6	803.7	754.6	721.5	700.5	690.2	689.9
55°	737.9	681.1	649.0	625.0	610.7	599.0	601.5
57.5°	631.2	583.3	561.8	541.9	532.0	527.3	520.5
60°	565.1	528.0	509.5	493.4	483.5	479.8	473.0
62.5°	506.3	477.1	459.1	446.0	437.0	435.9	430.6
65°	425.5	403.2	387.2	381.0	371.8	369.3	369.3
67.5°	350.8	334.9	322.3	316.6	312.6	313.2	310.2
70°	303.8	290.9	282.8	276.6	273.5	274.2	271.7
72.5°	265.8	251.4	244.3	240.6	236.5	238.1	237.1
75°	201.3	193.9	190.2	186.5	184.0	182.8	181.6
77.5°	147.8	141.3	138.5	136.3	136.7	133.7	136.1
80°	114.2	108.7	106.9	103.8	103.1	103.1	102.5
82.5°	83.6	80.5	79.1	76.6	75.5	76.4	74.9
85°	43.3	40.7	40.2	40.2	38.9	37.7	40.7
87.5°	19.8	18.1	18.2	17.8	18.0	17.7	16.8
90°	19.9	21.0	21.9	22.6	23.3	24.0	24.6
92.5°	44.0	45.5	46.5	47.0	47.5	48.0	48.5
95°	83.9	85.6	86.5	87.0	87.5	87.9	88.4
97.5°	130.5	132.0	132.9	133.2	133.5	133.7	134.0
100°	163.3	165.4	166.7	167.2	167.6	168.1	168.5
102.5°	196.8	199.1	200.5	201.1	201.8	202.4	203.0
105°	249.7	251.0	252.1	252.8	253.5	254.1	254.8
107.5°	307.0	307.8	308.1	308.0	307.9	307.9	307.8
110°	347.3	348.0	348.2	348.0	347.8	347.5	347.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	387.3	387.6	387.6	387.2	386.8	386.3	386.0
115°	448.4	448.1	447.9	447.7	447.4	447.3	447.0
117.5°	510.4	510.6	510.2	509.4	508.4	507.6	506.6
120°	551.8	551.8	551.4	550.4	549.5	548.6	547.7
122.5°	592.4	592.2	591.8	591.0	590.3	589.5	588.8
125°	652.2	651.7	651.4	651.2	650.9	650.7	650.5
127.5°	712.0	711.9	711.5	711.1	710.6	710.1	709.6
130°	751.5	751.3	750.9	750.5	750.0	749.6	749.1
132.5°	789.3	789.1	788.7	788.1	787.3	786.7	786.1
135°	847.8	847.8	847.3	846.4	845.5	844.5	843.7
137.5°	904.7	905.0	904.5	903.4	902.2	901.1	900.0
140°	940.6	941.0	940.7	939.5	938.4	937.3	936.1
142.5°	975.4	975.7	975.3	974.1	973.0	971.8	970.7
145°	1025.6	1025.6	1025.2	1024.5	1023.8	1023.1	1022.5
147.5°	1072.8	1073.3	1072.9	1071.3	1069.8	1068.2	1066.7
150°	1101.6	1101.6	1101.4	1100.9	1100.4	1099.9	1099.5
152.5°	1129.5	1130.0	1130.0	1129.1	1128.3	1127.4	1126.6
155°	1169.0	1170.0	1169.8	1168.7	1167.6	1166.4	1165.3
157.5°	1202.9	1203.9	1203.6	1202.1	1200.6	1199.0	1197.5
160°	1223.5	1224.4	1224.3	1223.2	1222.0	1220.9	1219.7
162.5°	1242.9	1244.0	1244.0	1242.6	1241.3	1240.0	1238.7
165°	1268.8	1269.6	1269.4	1268.0	1266.7	1265.3	1263.9
167.5°	1288.4	1289.8	1289.8	1288.3	1286.9	1285.5	1284.0
170°	1299.9	1301.2	1301.2	1299.6	1298.0	1296.3	1294.7
172.5°	1308.1	1309.5	1309.5	1308.1	1306.6	1305.2	1303.8
175°	1317.4	1318.7	1318.6	1317.0	1315.4	1313.8	1312.2
177.5°	1321.3	1322.4	1322.3	1321.0	1319.7	1318.4	1317.2
180°	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5	1320.5

(END OF REPORT)