

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: P333455-930

Luminaire Tested: **S125DIW-S1090D1560U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333455-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S1090D1560U930-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8070.9 lumens
Efficiency: N/A
Efficacy: 105.4 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

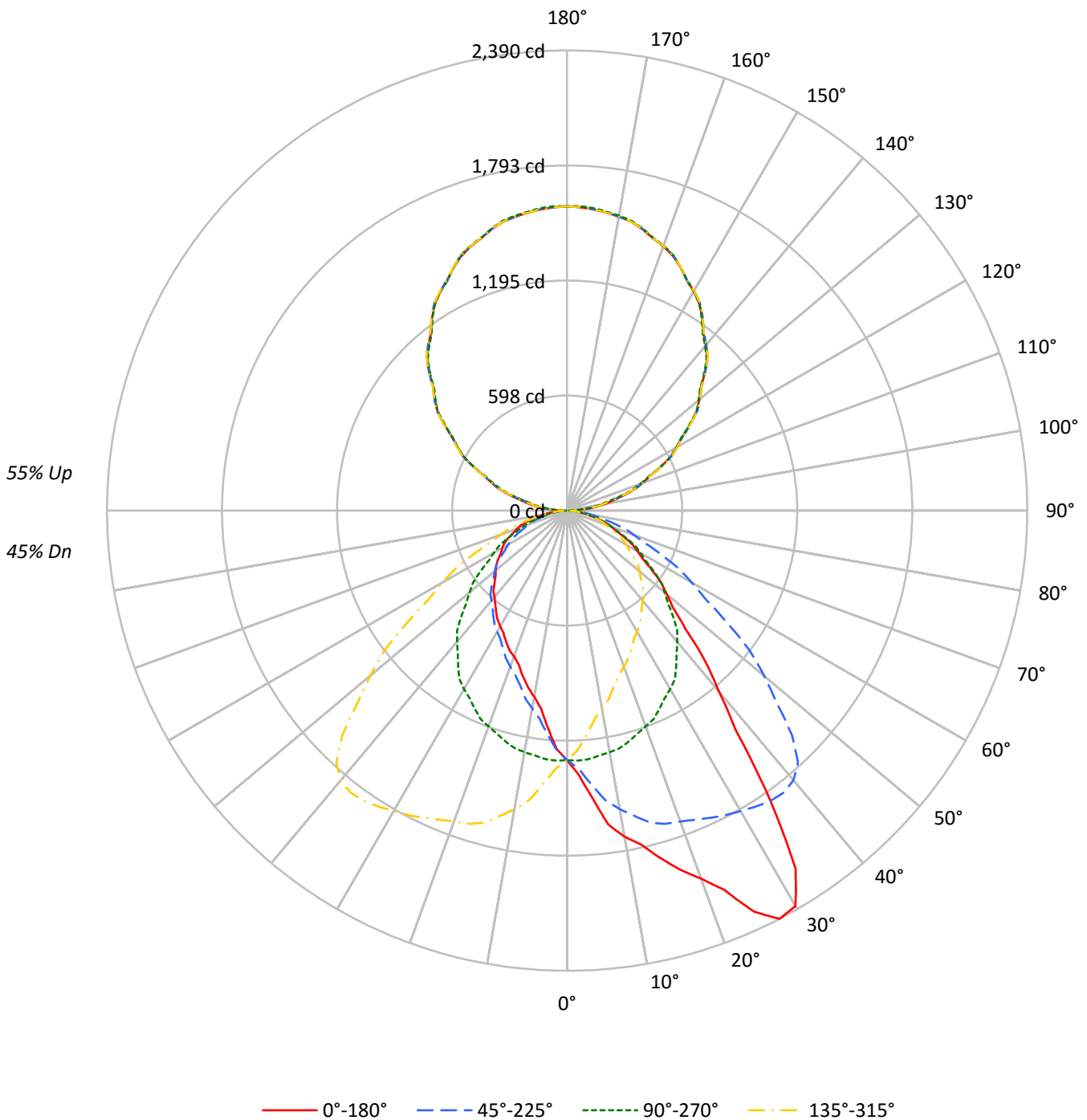
Input Watts (W): 76.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	45				
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	44	39				
2	88	81	75	70	81	75	70	65	62	59	56	51	49	46	41	39	37	33				
3	81	71	64	59	74	66	60	55	55	51	47	45	42	39	36	34	32	28				
4	74	63	56	50	68	58	52	46	49	44	40	41	37	34	33	30	28	24				
5	68	56	48	43	62	52	45	40	44	39	35	36	32	29	29	27	24	21				
6	62	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	21	18				
7	58	46	38	32	53	42	35	30	36	30	27	30	26	23	24	21	19	16				
8	54	41	34	29	49	38	32	27	33	27	24	27	23	20	22	19	17	15				
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13				
10	47	35	27	23	43	32	26	21	28	22	19	23	19	16	19	16	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8373	8373	8373	8373
5°	9697	8401	7356	8401
10°	11281	8358	6445	8358
15°	12488	8297	5945	8297
20°	13978	8199	5544	8199
25°	16376	8089	5349	8089
30°	17687	7982	5179	7982
35°	14542	7779	5067	7779
40°	10336	7497	4945	7497
45°	7941	7117	4875	7117
50°	6779	6646	4866	6646
55°	6035	6184	4908	6184
60°	5444	5679	5032	5679
65°	5029	5171	5164	5171
70°	4572	4645	5238	4645
75°	4037	4092	5190	4092
80°	3396	3336	4749	3336
85°	2690	2401	3831	2401



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.8	1.5
10°-20°	371.6	4.6
20°-30°	603.4	7.5
30°-40°	736.0	9.1
40°-50°	669.6	8.3
50°-60°	533.4	6.6
60°-70°	371.5	4.6
70°-80°	198.1	2.5
80°-90°	53.4	0.7
90°-100°	105.8	1.3
100°-110°	312.5	3.9
110°-120°	529.3	6.6
120°-130°	696.6	8.6
130°-140°	780.6	9.7
140°-150°	765.0	9.5
150°-160°	642.6	8.0
160°-170°	427.1	5.3
170°-180°	149.5	1.9
0°-30°	1099.8	13.6
0°-40°	1835.9	22.7
0°-60°	3038.8	37.7
0°-90°	3661.9	45.4
90°-120°	947.6	11.7
90°-150°	3189.8	39.5
90°-180°	4409.0	54.6
0°-180°	8070.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1296	1296	1296	1296	1296	
5°	1496	1296	1135	1296	1496	151
15°	1868	1241	889	1241	1868	535
25°	2298	1135	751	1135	2298	1050
35°	1844	987	643	987	1844	1129
45°	869	779	534	779	869	696
55°	536	549	436	549	536	483
65°	329	338	338	338	329	327
75°	162	164	208	164	162	174
85°	36	32	52	32	36	43
90°	30	1	30	1	30	18
95°	106	80	106	80	106	108
105°	305	280	305	280	305	323
115°	535	530	535	530	535	529
125°	778	773	778	773	778	695
135°	1010	1006	1010	1006	1010	779
145°	1223	1218	1223	1218	1223	764
155°	1394	1394	1394	1394	1394	642
165°	1512	1516	1512	1516	1512	426
175°	1570	1576	1570	1576	1570	149
180°	1580	1580	1580	1580	1580	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1371.3	1369.5	1367.8	1364.2	1366.9	1359.4	1355.9	1349.7	1342.2	1339.6	1336.5
5°	1495.7	1498.4	1501.2	1489.6	1490.7	1483.0	1465.4	1451.1	1439.6	1424.7	1414.2
7.5°	1645.4	1638.8	1638.3	1630.8	1618.0	1607.6	1589.1	1565.5	1542.8	1516.8	1495.3
10°	1720.2	1720.8	1715.8	1707.0	1693.2	1683.3	1659.1	1636.0	1607.9	1574.9	1551.3
12.5°	1776.5	1778.8	1772.6	1760.7	1754.0	1731.8	1712.9	1685.3	1652.0	1625.5	1589.6
15°	1867.7	1861.7	1857.3	1842.3	1830.8	1807.7	1777.4	1748.8	1712.5	1678.9	1645.4
17.5°	1955.5	1960.3	1952.1	1938.5	1902.7	1875.7	1835.1	1795.9	1750.7	1705.7	1665.6
20°	2033.8	2038.2	2025.6	2002.0	1959.0	1932.1	1878.7	1828.1	1775.8	1718.0	1674.0
22.5°	2131.6	2128.1	2111.0	2075.0	2037.8	1987.9	1930.2	1868.6	1803.0	1737.8	1679.3
25°	2298.0	2274.8	2264.4	2219.9	2170.9	2097.7	2018.4	1928.2	1846.7	1760.4	1685.5
27.5°	2390.2	2383.0	2371.3	2340.2	2288.8	2210.5	2117.1	2007.1	1892.2	1783.1	1685.2
30°	2371.7	2372.8	2373.9	2364.0	2331.0	2272.2	2179.1	2060.8	1924.4	1801.6	1688.2
32.5°	2208.0	2228.0	2247.1	2269.8	2279.1	2267.8	2209.5	2102.7	1962.2	1822.8	1686.5
35°	1844.5	1850.6	1912.8	1974.4	2058.1	2123.0	2166.5	2119.1	2000.8	1840.7	1684.4
37.5°	1438.3	1467.9	1511.0	1580.6	1701.4	1809.5	1948.5	2012.4	1974.2	1846.6	1680.6
40°	1226.0	1253.5	1281.7	1352.6	1454.4	1585.3	1743.3	1878.1	1909.5	1828.1	1667.4
42.5°	1062.3	1084.1	1115.2	1168.6	1253.7	1369.7	1520.5	1696.7	1805.2	1774.3	1639.6
45°	869.4	883.2	907.4	949.8	1011.5	1102.2	1235.4	1428.0	1595.9	1651.4	1573.9
47.5°	744.2	744.1	763.0	792.2	836.7	913.8	1012.3	1163.2	1342.5	1475.1	1468.9
50°	674.7	671.9	686.7	712.1	747.3	798.5	892.6	1013.1	1185.3	1335.5	1377.4
52.5°	614.8	615.1	624.3	642.9	672.5	716.2	786.4	895.1	1042.3	1196.5	1275.2
55°	536.0	533.8	544.2	556.9	578.4	607.0	657.6	740.7	860.1	1011.9	1114.4
57.5°	463.7	469.9	474.0	482.8	500.7	519.8	562.5	623.5	718.2	848.6	956.8
60°	421.5	427.5	430.9	439.7	454.0	470.5	503.5	553.0	632.8	745.1	852.4
62.5°	383.7	388.4	389.5	397.4	409.1	425.2	451.1	492.8	555.8	654.0	759.0
65°	329.1	329.1	331.3	339.5	345.0	359.3	379.1	409.4	460.1	536.5	626.2
67.5°	276.5	279.1	278.6	282.2	287.2	298.4	312.6	337.5	375.0	430.9	502.6
70°	242.1	244.3	243.8	246.5	252.0	259.2	270.8	294.4	321.4	369.2	430.9
72.5°	211.3	212.2	210.8	214.4	217.7	224.0	236.8	249.5	274.7	315.1	365.7
75°	161.8	162.9	164.0	166.2	169.5	172.8	179.4	192.1	208.6	238.8	271.3
77.5°	121.3	119.2	121.8	121.5	123.4	125.9	131.8	138.4	152.0	171.1	196.2
80°	91.3	91.9	91.9	92.5	95.2	96.9	101.8	106.7	117.2	131.5	149.1
82.5°	66.7	68.2	67.3	68.2	70.5	71.7	74.5	78.6	84.6	95.9	108.6
85°	36.3	33.6	34.7	35.8	35.8	36.3	38.5	40.2	43.5	47.9	52.8
87.5°	16.5	17.2	17.4	17.3	17.6	17.4	18.8	18.6	19.6	20.6	22.0
90°	29.5	28.7	27.9	27.1	26.3	25.1	23.8	22.4	21.0	19.6	17.8
92.5°	58.0	57.4	56.8	56.3	55.6	54.5	52.6	50.8	49.0	47.2	44.8
95°	105.7	105.2	104.7	104.1	103.5	102.3	100.4	98.5	96.6	94.7	92.0
97.5°	160.4	160.0	159.7	159.4	159.1	157.9	156.1	154.3	152.5	150.7	147.0
100°	201.6	201.1	200.6	200.0	199.5	198.0	195.5	193.1	190.6	188.1	184.6
102.5°	243.0	242.2	241.4	240.7	239.9	238.1	235.5	232.8	230.2	227.5	225.7
105°	304.9	304.1	303.3	302.5	301.7	300.4	298.8	297.2	295.5	293.9	292.2
107.5°	368.4	368.4	368.5	368.5	368.6	368.2	367.4	366.6	365.7	364.9	363.7
110°	415.6	415.9	416.1	416.5	416.7	416.5	415.6	414.8	413.9	413.1	412.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	461.9	462.4	462.8	463.3	463.8	463.8	463.5	463.1	462.7	462.4	461.3
115°	534.9	535.2	535.4	535.7	536.0	536.2	536.5	536.8	537.0	537.4	536.8
117.5°	606.2	607.3	608.4	609.4	610.6	611.0	610.8	610.6	610.3	610.2	609.6
120°	655.4	656.5	657.5	658.7	659.7	660.3	660.3	660.3	660.3	660.3	660.0
122.5°	704.6	705.4	706.3	707.2	708.1	708.6	708.8	709.1	709.2	709.5	708.7
125°	778.4	778.6	778.9	779.2	779.4	779.8	780.4	781.0	781.5	782.0	781.8
127.5°	849.1	849.7	850.3	850.8	851.3	851.7	852.1	852.3	852.6	852.9	852.6
130°	896.4	896.9	897.5	898.1	898.5	898.9	899.3	899.5	899.8	900.1	899.5
132.5°	940.6	941.4	942.2	943.0	943.7	944.2	944.5	944.8	945.0	945.3	945.4
135°	1009.5	1010.6	1011.7	1012.8	1013.9	1014.4	1014.4	1014.4	1014.4	1014.4	1014.2
137.5°	1076.8	1078.2	1079.6	1081.0	1082.4	1082.9	1082.6	1082.2	1081.9	1081.6	1080.9
140°	1120.1	1121.5	1122.9	1124.3	1125.6	1126.0	1125.5	1124.9	1124.4	1123.9	1123.1
142.5°	1161.5	1162.9	1164.2	1165.6	1166.9	1167.5	1167.1	1166.8	1166.4	1166.1	1165.1
145°	1223.4	1224.3	1225.1	1225.9	1226.7	1227.1	1227.1	1227.1	1227.1	1227.1	1226.3
147.5°	1276.4	1278.2	1280.0	1281.9	1283.8	1284.3	1283.7	1283.0	1282.4	1281.7	1281.1
150°	1315.6	1316.2	1316.8	1317.3	1317.8	1318.2	1318.2	1318.2	1318.2	1318.2	1317.0
152.5°	1348.2	1349.2	1350.1	1351.1	1352.1	1352.3	1351.6	1351.0	1350.3	1349.6	1349.2
155°	1394.4	1395.7	1397.1	1398.5	1399.9	1400.0	1398.9	1397.7	1396.7	1395.6	1395.3
157.5°	1433.0	1434.8	1436.6	1438.4	1440.2	1440.6	1439.5	1438.4	1437.3	1436.1	1435.9
160°	1459.5	1460.9	1462.2	1463.6	1465.0	1465.2	1464.0	1463.0	1461.8	1460.8	1460.5
162.5°	1482.1	1483.8	1485.3	1486.9	1488.5	1488.7	1487.4	1486.0	1484.7	1483.4	1483.4
165°	1512.4	1514.1	1515.7	1517.4	1519.0	1519.2	1518.2	1517.0	1516.0	1514.9	1514.6
167.5°	1536.5	1538.2	1539.9	1541.6	1543.3	1543.3	1541.6	1540.0	1538.4	1536.8	1536.8
170°	1549.3	1551.2	1553.1	1555.0	1557.0	1557.1	1555.4	1553.8	1552.2	1550.5	1550.5
172.5°	1560.2	1561.8	1563.5	1565.2	1566.9	1566.9	1565.3	1563.7	1562.0	1560.4	1560.4
175°	1570.2	1572.1	1574.0	1576.0	1577.8	1578.0	1576.4	1574.8	1573.0	1571.4	1571.4
177.5°	1576.1	1577.6	1579.2	1580.7	1582.3	1582.3	1581.0	1579.7	1578.4	1577.1	1577.3
180°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1333.9	1330.8	1327.3	1321.1	1313.6	1309.7	1303.5	1299.6	1291.6	1285.0	1278.0
5°	1401.6	1387.3	1374.1	1357.0	1338.3	1326.2	1311.9	1295.9	1279.4	1262.3	1243.7
7.5°	1471.7	1446.3	1418.9	1389.3	1360.3	1333.7	1308.2	1283.3	1260.0	1231.8	1207.9
10°	1518.8	1486.9	1452.8	1412.6	1373.5	1339.4	1304.7	1274.5	1243.7	1210.6	1181.5
12.5°	1565.9	1523.4	1475.2	1431.1	1384.1	1342.9	1302.1	1263.5	1224.7	1188.2	1154.1
15°	1599.1	1561.7	1517.1	1454.4	1401.6	1344.9	1290.9	1240.9	1194.1	1153.4	1110.5
17.5°	1621.1	1572.8	1524.9	1464.8	1395.5	1332.1	1271.1	1213.7	1161.0	1109.4	1068.0
20°	1625.0	1575.5	1525.4	1466.5	1395.5	1322.9	1261.8	1193.0	1136.4	1083.0	1032.3
22.5°	1623.7	1567.6	1513.0	1452.5	1383.2	1316.3	1242.4	1172.3	1110.8	1058.3	1005.5
25°	1611.3	1551.3	1483.0	1422.0	1353.7	1282.7	1207.9	1135.2	1072.5	1012.5	960.3
27.5°	1600.9	1523.1	1445.9	1374.6	1308.7	1243.7	1172.0	1097.6	1028.0	967.3	918.0
30°	1588.1	1502.8	1415.8	1341.6	1273.9	1210.6	1143.0	1070.3	997.7	938.2	885.4
32.5°	1576.7	1477.3	1385.5	1304.6	1233.0	1171.4	1109.1	1039.9	968.6	908.3	855.5
35°	1554.5	1439.6	1334.5	1243.1	1166.6	1103.3	1051.1	986.7	921.2	862.8	812.2
37.5°	1526.5	1390.0	1277.2	1181.5	1097.6	1030.9	982.3	932.9	870.0	813.8	768.0
40°	1504.5	1354.8	1235.4	1137.4	1050.5	981.1	936.0	889.2	837.0	784.7	736.3
42.5°	1476.8	1323.1	1193.1	1087.7	1001.6	934.1	886.7	847.0	800.9	752.1	707.2
45°	1425.8	1265.7	1124.8	1011.5	924.5	857.9	808.9	779.2	744.5	698.3	660.3
47.5°	1350.9	1196.6	1050.9	933.9	844.2	782.5	736.6	708.1	683.7	649.3	614.9
50°	1284.3	1145.2	997.7	881.6	791.9	729.7	687.3	661.5	640.5	614.1	585.0
52.5°	1210.0	1080.4	945.3	830.5	741.7	680.4	638.9	616.1	598.7	579.8	551.1
55°	1091.8	981.7	856.2	747.3	665.3	605.3	569.0	549.2	534.9	520.6	503.0
57.5°	961.6	875.5	764.3	664.7	589.2	534.7	500.8	481.5	470.3	463.0	452.7
60°	870.0	796.3	700.5	609.7	536.0	487.5	454.5	439.7	430.3	424.3	416.5
62.5°	785.1	724.5	635.8	552.9	488.4	442.6	413.2	398.8	389.8	386.9	380.5
65°	659.8	613.0	539.8	471.1	416.0	376.9	352.2	338.4	332.9	329.6	330.2
67.5°	536.4	507.9	449.1	390.4	346.6	313.8	294.0	283.4	280.6	276.2	276.1
70°	461.1	439.7	390.1	339.0	299.9	274.6	257.0	246.0	243.2	241.0	240.5
72.5°	394.7	375.9	332.9	291.9	256.7	234.6	220.0	213.4	208.9	207.6	207.5
75°	296.6	286.2	252.0	219.6	195.3	179.9	170.1	164.0	160.7	160.1	160.7
77.5°	210.8	201.7	180.0	157.0	141.8	130.1	121.7	119.6	115.9	116.0	115.4
80°	158.5	152.5	138.7	120.5	107.9	97.9	93.5	89.7	88.6	86.9	88.6
82.5°	114.9	108.4	99.1	87.5	77.0	71.1	66.7	65.5	64.8	64.1	64.4
85°	56.7	57.2	51.7	42.9	38.5	35.2	32.4	32.4	31.9	31.4	31.9
87.5°	22.5	21.3	19.2	17.4	14.8	13.0	12.1	12.1	11.3	11.3	12.1
90°	15.8	13.9	12.0	9.9	7.8	5.6	3.4	1.2	3.4	5.6	7.8
92.5°	42.5	40.2	37.8	35.9	34.3	32.9	31.3	29.8	31.3	32.9	34.3
95°	89.2	86.5	83.7	82.1	81.5	81.0	80.5	79.9	80.5	81.0	81.5
97.5°	143.2	139.4	135.7	133.7	133.5	133.2	133.0	132.8	133.0	133.2	133.5
100°	181.0	177.5	173.9	172.1	172.1	172.1	172.1	172.1	172.1	172.1	172.1
102.5°	223.9	222.1	220.3	218.8	217.7	216.6	215.6	214.4	215.6	216.6	217.7
105°	290.6	288.9	287.3	285.8	284.5	283.1	281.7	280.4	281.7	283.1	284.5
107.5°	362.4	361.2	360.0	358.6	357.3	355.9	354.5	353.1	354.5	355.9	357.3
110°	411.5	410.7	409.9	408.8	407.4	406.0	404.7	403.3	404.7	406.0	407.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	460.2	459.2	458.2	457.3	456.6	455.9	455.2	454.4	455.2	455.9	456.6
115°	536.2	535.7	535.2	534.3	533.2	532.1	531.1	529.9	531.1	532.1	533.2
117.5°	609.1	608.6	608.1	607.6	607.2	606.7	606.2	605.7	606.2	606.7	607.2
120°	659.7	659.5	659.2	658.4	657.0	655.7	654.3	652.9	654.3	655.7	657.0
122.5°	708.1	707.4	706.6	706.0	705.6	705.1	704.6	704.1	704.6	705.1	705.6
125°	781.5	781.2	781.0	780.0	778.4	776.7	775.0	773.4	775.0	776.7	778.4
127.5°	852.2	851.9	851.6	850.9	849.9	849.1	848.2	847.2	848.2	849.1	849.9
130°	898.9	898.5	897.9	896.9	895.5	894.2	892.8	891.4	892.8	894.2	895.5
132.5°	945.5	945.7	945.7	944.7	942.5	940.2	938.0	935.7	938.0	940.2	942.5
135°	1013.9	1013.6	1013.3	1012.4	1010.7	1009.1	1007.5	1005.8	1007.5	1009.1	1010.7
137.5°	1080.4	1079.8	1079.1	1078.1	1076.4	1074.9	1073.3	1071.7	1073.3	1074.9	1076.4
140°	1122.3	1121.4	1120.5	1119.5	1118.1	1116.7	1115.4	1114.0	1115.4	1116.7	1118.1
142.5°	1164.1	1163.0	1162.0	1160.9	1159.8	1158.6	1157.5	1156.3	1157.5	1158.6	1159.8
145°	1225.5	1224.7	1223.8	1222.9	1221.8	1220.7	1219.6	1218.5	1219.6	1220.7	1221.8
147.5°	1280.4	1279.8	1279.1	1278.5	1277.9	1277.2	1276.7	1276.1	1276.7	1277.2	1277.9
150°	1316.0	1314.8	1313.8	1313.4	1313.6	1313.9	1314.2	1314.4	1314.2	1313.9	1313.6
152.5°	1348.7	1348.3	1347.9	1347.4	1347.0	1346.7	1346.3	1345.9	1346.3	1346.7	1347.0
155°	1395.1	1394.8	1394.5	1394.4	1394.4	1394.4	1394.4	1394.4	1394.4	1394.4	1394.4
157.5°	1435.7	1435.3	1435.1	1435.3	1435.8	1436.5	1437.0	1437.6	1437.0	1436.5	1435.8
160°	1460.2	1460.0	1459.7	1460.0	1460.8	1461.6	1462.4	1463.2	1462.4	1461.6	1460.8
162.5°	1483.3	1483.2	1483.2	1483.4	1484.1	1484.7	1485.2	1485.9	1485.2	1484.7	1484.1
165°	1514.3	1514.1	1513.8	1513.9	1514.5	1515.0	1515.6	1516.1	1515.6	1515.0	1514.5
167.5°	1536.8	1536.8	1536.8	1537.3	1538.4	1539.5	1540.6	1541.6	1540.6	1539.5	1538.4
170°	1550.5	1550.5	1550.5	1551.1	1552.2	1553.2	1554.4	1555.4	1554.4	1553.2	1552.2
172.5°	1560.4	1560.4	1560.4	1560.9	1562.0	1563.1	1564.2	1565.3	1564.2	1563.1	1562.0
175°	1571.4	1571.4	1571.4	1572.0	1573.0	1574.2	1575.2	1576.4	1575.2	1574.2	1573.0
177.5°	1577.5	1577.8	1577.9	1578.5	1579.4	1580.3	1581.1	1582.0	1581.1	1580.3	1579.4
180°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1274.0	1269.2	1265.2	1256.4	1251.6	1245.0	1239.7	1245.4	1239.3	1241.9	1238.0
5°	1234.3	1218.9	1207.9	1191.9	1178.2	1165.5	1156.2	1154.5	1150.1	1147.9	1141.3
7.5°	1186.5	1167.3	1148.3	1127.4	1109.8	1091.8	1080.4	1071.0	1064.7	1056.5	1050.8
10°	1158.4	1132.5	1110.5	1085.2	1063.2	1043.9	1028.5	1020.8	1013.7	1003.1	999.3
12.5°	1123.6	1096.8	1070.0	1042.9	1021.7	1000.3	987.1	975.4	970.5	958.7	957.5
15°	1081.9	1041.7	1015.3	987.7	958.6	941.0	930.0	917.3	911.8	903.6	897.5
17.5°	1032.1	996.2	963.2	934.7	909.7	894.9	881.3	872.5	863.1	857.7	847.7
20°	996.1	961.9	928.9	898.6	879.4	862.3	851.3	843.0	833.2	830.4	820.5
22.5°	965.6	928.0	896.3	870.9	849.9	830.6	818.7	813.1	806.2	797.8	795.8
25°	916.2	877.2	850.2	824.9	806.2	788.6	780.3	773.1	766.5	760.5	758.3
27.5°	873.5	838.6	806.6	783.7	767.4	751.4	744.1	735.4	730.6	725.7	719.7
30°	843.6	807.8	779.8	757.7	740.1	725.9	718.1	712.1	707.7	703.3	699.9
32.5°	812.8	779.7	752.4	730.9	713.3	702.5	695.7	691.4	686.6	681.3	677.1
35°	772.1	735.7	709.3	690.6	676.9	668.6	660.9	657.0	651.5	651.5	647.1
37.5°	726.2	694.8	671.5	654.4	642.0	634.7	626.3	623.7	620.2	617.8	616.3
40°	698.9	669.7	647.7	630.6	617.4	611.4	604.8	600.4	598.2	595.4	594.3
42.5°	670.7	642.9	621.7	606.0	594.5	589.4	583.2	580.1	575.7	572.1	571.4
45°	627.9	600.9	581.6	569.0	559.1	553.0	549.2	542.6	540.4	536.0	535.4
47.5°	587.3	561.4	542.5	532.1	523.4	518.4	512.4	505.8	503.3	501.1	500.8
50°	556.9	533.2	515.6	505.7	497.5	490.3	484.3	479.9	478.2	478.2	479.3
52.5°	526.1	505.9	491.0	478.8	471.1	463.4	457.9	455.2	452.7	455.3	457.3
55°	480.9	460.6	449.6	438.1	430.3	421.5	418.7	417.7	416.0	420.4	422.7
57.5°	433.2	418.9	406.0	394.5	387.6	382.5	378.8	378.1	381.2	383.4	390.4
60°	402.8	386.3	374.7	365.9	357.7	354.4	353.3	352.2	354.4	360.4	369.8
62.5°	369.3	356.0	343.5	336.9	330.8	325.3	325.1	325.8	330.2	337.1	346.4
65°	320.2	308.7	300.4	292.8	287.8	284.5	285.6	287.8	292.8	302.1	312.6
67.5°	270.4	262.5	255.1	248.8	244.1	244.1	245.2	248.5	254.4	265.1	274.7
70°	238.3	229.5	223.4	220.7	216.8	214.6	217.9	223.4	228.4	238.3	246.5
72.5°	206.1	198.7	194.0	192.1	190.4	188.7	189.7	195.7	202.4	212.3	221.8
75°	158.5	155.7	152.5	150.3	148.5	149.7	150.7	156.3	161.8	172.3	183.3
77.5°	115.7	112.8	110.8	110.3	109.4	110.0	113.0	117.1	122.5	130.1	138.4
80°	87.5	86.4	85.3	84.7	84.7	85.3	89.7	92.5	97.4	104.5	111.1
82.5°	63.8	63.0	62.9	62.7	63.2	63.3	66.0	69.5	73.6	79.0	84.7
85°	33.6	32.4	34.1	34.7	33.6	35.2	36.3	38.5	40.2	42.9	45.7
87.5°	13.0	14.3	14.3	15.1	15.4	16.7	16.6	18.6	19.7	20.9	20.6
90°	9.9	12.0	13.9	15.8	17.8	19.6	21.0	22.4	23.8	25.1	26.3
92.5°	35.9	37.8	40.2	42.5	44.8	47.2	49.0	50.8	52.6	54.5	55.6
95°	82.1	83.7	86.5	89.2	92.0	94.7	96.6	98.5	100.4	102.3	103.5
97.5°	133.7	135.7	139.4	143.2	147.0	150.7	152.5	154.3	156.1	157.9	159.1
100°	172.1	173.9	177.5	181.0	184.6	188.1	190.6	193.1	195.5	198.0	199.5
102.5°	218.8	220.3	222.1	223.9	225.7	227.5	230.2	232.8	235.5	238.1	239.9
105°	285.8	287.3	288.9	290.6	292.2	293.9	295.5	297.2	298.8	300.4	301.7
107.5°	358.6	360.0	361.2	362.4	363.7	364.9	365.7	366.6	367.4	368.2	368.6
110°	408.8	409.9	410.7	411.5	412.3	413.1	413.9	414.8	415.6	416.5	416.7



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	457.3	458.2	459.2	460.2	461.3	462.4	462.7	463.1	463.5	463.8	463.8
115°	534.3	535.2	535.7	536.2	536.8	537.4	537.0	536.8	536.5	536.2	536.0
117.5°	607.6	608.1	608.6	609.1	609.6	610.2	610.3	610.6	610.8	611.0	610.6
120°	658.4	659.2	659.5	659.7	660.0	660.3	660.3	660.3	660.3	660.3	659.7
122.5°	706.0	706.6	707.4	708.1	708.7	709.5	709.2	709.1	708.8	708.6	708.1
125°	780.0	781.0	781.2	781.5	781.8	782.0	781.5	781.0	780.4	779.8	779.4
127.5°	850.9	851.6	851.9	852.2	852.6	852.9	852.6	852.3	852.1	851.7	851.3
130°	896.9	897.9	898.5	898.9	899.5	900.1	899.8	899.5	899.3	898.9	898.5
132.5°	944.7	945.7	945.7	945.5	945.4	945.3	945.0	944.8	944.5	944.2	943.7
135°	1012.4	1013.3	1013.6	1013.9	1014.2	1014.4	1014.4	1014.4	1014.4	1014.4	1013.9
137.5°	1078.1	1079.1	1079.8	1080.4	1080.9	1081.6	1081.9	1082.2	1082.6	1082.9	1082.4
140°	1119.5	1120.5	1121.4	1122.3	1123.1	1123.9	1124.4	1124.9	1125.5	1126.0	1125.6
142.5°	1160.9	1162.0	1163.0	1164.1	1165.1	1166.1	1166.4	1166.8	1167.1	1167.5	1166.9
145°	1222.9	1223.8	1224.7	1225.5	1226.3	1227.1	1227.1	1227.1	1227.1	1227.1	1226.7
147.5°	1278.5	1279.1	1279.8	1280.4	1281.1	1281.7	1282.4	1283.0	1283.7	1284.3	1283.8
150°	1313.4	1313.8	1314.8	1316.0	1317.0	1318.2	1318.2	1318.2	1318.2	1318.2	1317.8
152.5°	1347.4	1347.9	1348.3	1348.7	1349.2	1349.6	1350.3	1351.0	1351.6	1352.3	1352.1
155°	1394.4	1394.5	1394.8	1395.1	1395.3	1395.6	1396.7	1397.7	1398.9	1400.0	1399.9
157.5°	1435.3	1435.1	1435.3	1435.7	1435.9	1436.1	1437.3	1438.4	1439.5	1440.6	1440.2
160°	1460.0	1459.7	1460.0	1460.2	1460.5	1460.8	1461.8	1463.0	1464.0	1465.2	1465.0
162.5°	1483.4	1483.2	1483.2	1483.3	1483.4	1483.4	1484.7	1486.0	1487.4	1488.7	1488.5
165°	1513.9	1513.8	1514.1	1514.3	1514.6	1514.9	1516.0	1517.0	1518.2	1519.2	1519.0
167.5°	1537.3	1536.8	1536.8	1536.8	1536.8	1536.8	1538.4	1540.0	1541.6	1543.3	1543.3
170°	1551.1	1550.5	1550.5	1550.5	1550.5	1550.5	1552.2	1553.8	1555.4	1557.1	1557.0
172.5°	1560.9	1560.4	1560.4	1560.4	1560.4	1560.4	1562.0	1563.7	1565.3	1566.9	1566.9
175°	1572.0	1571.4	1571.4	1571.4	1571.4	1571.4	1573.0	1574.8	1576.4	1578.0	1577.8
177.5°	1578.5	1577.9	1577.8	1577.5	1577.3	1577.1	1578.4	1579.7	1581.0	1582.3	1582.3
180°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1235.3	1238.4	1235.7	1239.3	1235.7	1238.4	1235.3	1238.0	1241.9	1239.3	1245.4
5°	1138.6	1133.6	1136.9	1134.7	1136.9	1133.6	1138.6	1141.3	1147.9	1150.1	1154.5
7.5°	1049.2	1044.5	1039.0	1036.5	1039.0	1044.5	1049.2	1050.8	1056.5	1064.7	1071.0
10°	993.3	987.2	986.7	982.8	986.7	987.2	993.3	999.3	1003.1	1013.7	1020.8
12.5°	952.4	946.7	940.4	938.8	940.4	946.7	952.4	957.5	958.7	970.5	975.4
15°	894.2	889.8	886.0	889.2	886.0	889.8	894.2	897.5	903.6	911.8	917.3
17.5°	845.9	842.3	841.6	837.6	841.6	842.3	845.9	847.7	857.7	863.1	872.5
20°	815.5	812.8	813.9	806.7	813.9	812.8	815.5	820.5	830.4	833.2	843.0
22.5°	791.3	785.9	785.3	783.8	785.3	785.9	791.3	795.8	797.8	806.2	813.1
25°	753.3	750.6	747.9	750.6	747.9	750.6	753.3	758.3	760.5	766.5	773.1
27.5°	720.2	716.9	716.2	716.5	716.2	716.9	720.2	719.7	725.7	730.6	735.4
30°	699.9	694.5	695.0	694.5	695.0	694.5	699.9	699.9	703.3	707.7	712.1
32.5°	677.9	674.2	673.4	672.5	673.4	674.2	677.9	677.1	681.3	686.6	691.4
35°	645.5	645.5	642.7	642.7	642.7	645.5	645.5	647.1	651.5	651.5	657.0
37.5°	615.0	614.4	612.8	613.0	612.8	614.4	615.0	616.3	617.8	620.2	623.7
40°	592.1	591.6	589.9	586.6	589.9	591.6	592.1	594.3	595.4	598.2	600.4
42.5°	570.1	568.3	567.4	566.4	567.4	568.3	570.1	571.4	572.1	575.7	580.1
45°	535.4	535.4	534.3	533.8	534.3	535.4	535.4	535.4	536.0	540.4	542.6
47.5°	501.7	502.7	504.8	504.5	504.8	502.7	501.7	500.8	501.1	503.3	505.8
50°	481.5	482.1	483.7	484.3	483.7	482.1	481.5	479.3	478.2	478.2	479.9
52.5°	459.0	462.3	464.3	464.0	464.3	462.3	459.0	457.3	455.3	452.7	455.2
55°	427.5	431.5	435.3	435.9	435.3	431.5	427.5	422.7	420.4	416.0	417.7
57.5°	396.4	401.8	405.9	407.2	405.9	401.8	396.4	390.4	383.4	381.2	378.1
60°	375.3	382.5	387.4	389.6	387.4	382.5	375.3	369.8	360.4	354.4	352.2
62.5°	355.1	363.1	368.0	368.4	368.0	363.1	355.1	346.4	337.1	330.2	325.8
65°	321.9	330.2	334.6	337.9	334.6	330.2	321.9	312.6	302.1	292.8	287.8
67.5°	286.3	294.5	299.4	302.0	299.4	294.5	286.3	274.7	265.1	254.4	248.5
70°	260.3	268.6	275.2	277.4	275.2	268.6	260.3	246.5	238.3	228.4	223.4
72.5°	234.7	242.1	247.4	250.1	247.4	242.1	234.7	221.8	212.3	202.4	195.7
75°	190.4	200.3	205.3	208.0	205.3	200.3	190.4	183.3	172.3	161.8	156.3
77.5°	146.8	155.8	158.8	160.2	158.8	155.8	146.8	138.4	130.1	122.5	117.1
80°	117.7	123.3	127.1	127.7	127.1	123.3	117.7	111.1	104.5	97.4	92.5
82.5°	90.5	95.1	96.3	97.8	96.3	95.1	90.5	84.7	79.0	73.6	69.5
85°	49.5	51.7	52.3	51.7	52.3	51.7	49.5	45.7	42.9	40.2	38.5
87.5°	21.7	21.4	21.6	22.7	21.6	21.4	21.7	20.6	20.9	19.7	18.6
90°	27.1	27.9	28.7	29.5	28.7	27.9	27.1	26.3	25.1	23.8	22.4
92.5°	56.3	56.8	57.4	58.0	57.4	56.8	56.3	55.6	54.5	52.6	50.8
95°	104.1	104.7	105.2	105.7	105.2	104.7	104.1	103.5	102.3	100.4	98.5
97.5°	159.4	159.7	160.0	160.4	160.0	159.7	159.4	159.1	157.9	156.1	154.3
100°	200.0	200.6	201.1	201.6	201.1	200.6	200.0	199.5	198.0	195.5	193.1
102.5°	240.7	241.4	242.2	243.0	242.2	241.4	240.7	239.9	238.1	235.5	232.8
105°	302.5	303.3	304.1	304.9	304.1	303.3	302.5	301.7	300.4	298.8	297.2
107.5°	368.5	368.5	368.4	368.4	368.4	368.5	368.5	368.6	368.2	367.4	366.6
110°	416.5	416.1	415.9	415.6	415.9	416.1	416.5	416.7	416.5	415.6	414.8



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	463.3	462.8	462.4	461.9	462.4	462.8	463.3	463.8	463.8	463.5	463.1
115°	535.7	535.4	535.2	534.9	535.2	535.4	535.7	536.0	536.2	536.5	536.8
117.5°	609.4	608.4	607.3	606.2	607.3	608.4	609.4	610.6	611.0	610.8	610.6
120°	658.7	657.5	656.5	655.4	656.5	657.5	658.7	659.7	660.3	660.3	660.3
122.5°	707.2	706.3	705.4	704.6	705.4	706.3	707.2	708.1	708.6	708.8	709.1
125°	779.2	778.9	778.6	778.4	778.6	778.9	779.2	779.4	779.8	780.4	781.0
127.5°	850.8	850.3	849.7	849.1	849.7	850.3	850.8	851.3	851.7	852.1	852.3
130°	898.1	897.5	896.9	896.4	896.9	897.5	898.1	898.5	898.9	899.3	899.5
132.5°	943.0	942.2	941.4	940.6	941.4	942.2	943.0	943.7	944.2	944.5	944.8
135°	1012.8	1011.7	1010.6	1009.5	1010.6	1011.7	1012.8	1013.9	1014.4	1014.4	1014.4
137.5°	1081.0	1079.6	1078.2	1076.8	1078.2	1079.6	1081.0	1082.4	1082.9	1082.6	1082.2
140°	1124.3	1122.9	1121.5	1120.1	1121.5	1122.9	1124.3	1125.6	1126.0	1125.5	1124.9
142.5°	1165.6	1164.2	1162.9	1161.5	1162.9	1164.2	1165.6	1166.9	1167.5	1167.1	1166.8
145°	1225.9	1225.1	1224.3	1223.4	1224.3	1225.1	1225.9	1226.7	1227.1	1227.1	1227.1
147.5°	1281.9	1280.0	1278.2	1276.4	1278.2	1280.0	1281.9	1283.8	1284.3	1283.7	1283.0
150°	1317.3	1316.8	1316.2	1315.6	1316.2	1316.8	1317.3	1317.8	1318.2	1318.2	1318.2
152.5°	1351.1	1350.1	1349.2	1348.2	1349.2	1350.1	1351.1	1352.1	1352.3	1351.6	1351.0
155°	1398.5	1397.1	1395.7	1394.4	1395.7	1397.1	1398.5	1399.9	1400.0	1398.9	1397.7
157.5°	1438.4	1436.6	1434.8	1433.0	1434.8	1436.6	1438.4	1440.2	1440.6	1439.5	1438.4
160°	1463.6	1462.2	1460.9	1459.5	1460.9	1462.2	1463.6	1465.0	1465.2	1464.0	1463.0
162.5°	1486.9	1485.3	1483.8	1482.1	1483.8	1485.3	1486.9	1488.5	1488.7	1487.4	1486.0
165°	1517.4	1515.7	1514.1	1512.4	1514.1	1515.7	1517.4	1519.0	1519.2	1518.2	1517.0
167.5°	1541.6	1539.9	1538.2	1536.5	1538.2	1539.9	1541.6	1543.3	1543.3	1541.6	1540.0
170°	1555.0	1553.1	1551.2	1549.3	1551.2	1553.1	1555.0	1557.0	1557.1	1555.4	1553.8
172.5°	1565.2	1563.5	1561.8	1560.2	1561.8	1563.5	1565.2	1566.9	1566.9	1565.3	1563.7
175°	1576.0	1574.0	1572.1	1570.2	1572.1	1574.0	1576.0	1577.8	1578.0	1576.4	1574.8
177.5°	1580.7	1579.2	1577.6	1576.1	1577.6	1579.2	1580.7	1582.3	1582.3	1581.0	1579.7
180°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1



TEST NUMBER: P333455-930

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1239.7	1245.0	1251.6	1256.4	1265.2	1269.2	1274.0	1278.0	1285.0	1291.6	1299.6
5°	1156.2	1165.5	1178.2	1191.9	1207.9	1218.9	1234.3	1243.7	1262.3	1279.4	1295.9
7.5°	1080.4	1091.8	1109.8	1127.4	1148.3	1167.3	1186.5	1207.9	1231.8	1260.0	1283.3
10°	1028.5	1043.9	1063.2	1085.2	1110.5	1132.5	1158.4	1181.5	1210.6	1243.7	1274.5
12.5°	987.1	1000.3	1021.7	1042.9	1070.0	1096.8	1123.6	1154.1	1188.2	1224.7	1263.5
15°	930.0	941.0	958.6	987.7	1015.3	1041.7	1081.9	1110.5	1153.4	1194.1	1240.9
17.5°	881.3	894.9	909.7	934.7	963.2	996.2	1032.1	1068.0	1109.4	1161.0	1213.7
20°	851.3	862.3	879.4	898.6	928.9	961.9	996.1	1032.3	1083.0	1136.4	1193.0
22.5°	818.7	830.6	849.9	870.9	896.3	928.0	965.6	1005.5	1058.3	1110.8	1172.3
25°	780.3	788.6	806.2	824.9	850.2	877.2	916.2	960.3	1012.5	1072.5	1135.2
27.5°	744.1	751.4	767.4	783.7	806.6	838.6	873.5	918.0	967.3	1028.0	1097.6
30°	718.1	725.9	740.1	757.7	779.8	807.8	843.6	885.4	938.2	997.7	1070.3
32.5°	695.7	702.5	713.3	730.9	752.4	779.7	812.8	855.5	908.3	968.6	1039.9
35°	660.9	668.6	676.9	690.6	709.3	735.7	772.1	812.2	862.8	921.2	986.7
37.5°	626.3	634.7	642.0	654.4	671.5	694.8	726.2	768.0	813.8	870.0	932.9
40°	604.8	611.4	617.4	630.6	647.7	669.7	698.9	736.3	784.7	837.0	889.2
42.5°	583.2	589.4	594.5	606.0	621.7	642.9	670.7	707.2	752.1	800.9	847.0
45°	549.2	553.0	559.1	569.0	581.6	600.9	627.9	660.3	698.3	744.5	779.2
47.5°	512.4	518.4	523.4	532.1	542.5	561.4	587.3	614.9	649.3	683.7	708.1
50°	484.3	490.3	497.5	505.7	515.6	533.2	556.9	585.0	614.1	640.5	661.5
52.5°	457.9	463.4	471.1	478.8	491.0	505.9	526.1	551.1	579.8	598.7	616.1
55°	418.7	421.5	430.3	438.1	449.6	460.6	480.9	503.0	520.6	534.9	549.2
57.5°	378.8	382.5	387.6	394.5	406.0	418.9	433.2	452.7	463.0	470.3	481.5
60°	353.3	354.4	357.7	365.9	374.7	386.3	402.8	416.5	424.3	430.3	439.7
62.5°	325.1	325.3	330.8	336.9	343.5	356.0	369.3	380.5	386.9	389.8	398.8
65°	285.6	284.5	287.8	292.8	300.4	308.7	320.2	330.2	329.6	332.9	338.4
67.5°	245.2	244.1	244.1	248.8	255.1	262.5	270.4	276.1	276.2	280.6	283.4
70°	217.9	214.6	216.8	220.7	223.4	229.5	238.3	240.5	241.0	243.2	246.0
72.5°	189.7	188.7	190.4	192.1	194.0	198.7	206.1	207.5	207.6	208.9	213.4
75°	150.7	149.7	148.5	150.3	152.5	155.7	158.5	160.7	160.1	160.7	164.0
77.5°	113.0	110.0	109.4	110.3	110.8	112.8	115.7	115.4	116.0	115.9	119.6
80°	89.7	85.3	84.7	84.7	85.3	86.4	87.5	88.6	86.9	88.6	89.7
82.5°	66.0	63.3	63.2	62.7	62.9	63.0	63.8	64.4	64.1	64.8	65.5
85°	36.3	35.2	33.6	34.7	34.1	32.4	33.6	31.9	31.4	31.9	32.4
87.5°	16.6	16.7	15.4	15.1	14.3	14.3	13.0	12.1	11.3	11.3	12.1
90°	21.0	19.6	17.8	15.8	13.9	12.0	9.9	7.8	5.6	3.4	1.2
92.5°	49.0	47.2	44.8	42.5	40.2	37.8	35.9	34.3	32.9	31.3	29.8
95°	96.6	94.7	92.0	89.2	86.5	83.7	82.1	81.5	81.0	80.5	79.9
97.5°	152.5	150.7	147.0	143.2	139.4	135.7	133.7	133.5	133.2	133.0	132.8
100°	190.6	188.1	184.6	181.0	177.5	173.9	172.1	172.1	172.1	172.1	172.1
102.5°	230.2	227.5	225.7	223.9	222.1	220.3	218.8	217.7	216.6	215.6	214.4
105°	295.5	293.9	292.2	290.6	288.9	287.3	285.8	284.5	283.1	281.7	280.4
107.5°	365.7	364.9	363.7	362.4	361.2	360.0	358.6	357.3	355.9	354.5	353.1
110°	413.9	413.1	412.3	411.5	410.7	409.9	408.8	407.4	406.0	404.7	403.3



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	462.7	462.4	461.3	460.2	459.2	458.2	457.3	456.6	455.9	455.2	454.4
115°	537.0	537.4	536.8	536.2	535.7	535.2	534.3	533.2	532.1	531.1	529.9
117.5°	610.3	610.2	609.6	609.1	608.6	608.1	607.6	607.2	606.7	606.2	605.7
120°	660.3	660.3	660.0	659.7	659.5	659.2	658.4	657.0	655.7	654.3	652.9
122.5°	709.2	709.5	708.7	708.1	707.4	706.6	706.0	705.6	705.1	704.6	704.1
125°	781.5	782.0	781.8	781.5	781.2	781.0	780.0	778.4	776.7	775.0	773.4
127.5°	852.6	852.9	852.6	852.2	851.9	851.6	850.9	849.9	849.1	848.2	847.2
130°	899.8	900.1	899.5	898.9	898.5	897.9	896.9	895.5	894.2	892.8	891.4
132.5°	945.0	945.3	945.4	945.5	945.7	945.7	944.7	942.5	940.2	938.0	935.7
135°	1014.4	1014.4	1014.2	1013.9	1013.6	1013.3	1012.4	1010.7	1009.1	1007.5	1005.8
137.5°	1081.9	1081.6	1080.9	1080.4	1079.8	1079.1	1078.1	1076.4	1074.9	1073.3	1071.7
140°	1124.4	1123.9	1123.1	1122.3	1121.4	1120.5	1119.5	1118.1	1116.7	1115.4	1114.0
142.5°	1166.4	1166.1	1165.1	1164.1	1163.0	1162.0	1160.9	1159.8	1158.6	1157.5	1156.3
145°	1227.1	1227.1	1226.3	1225.5	1224.7	1223.8	1222.9	1221.8	1220.7	1219.6	1218.5
147.5°	1282.4	1281.7	1281.1	1280.4	1279.8	1279.1	1278.5	1277.9	1277.2	1276.7	1276.1
150°	1318.2	1318.2	1317.0	1316.0	1314.8	1313.8	1313.4	1313.6	1313.9	1314.2	1314.4
152.5°	1350.3	1349.6	1349.2	1348.7	1348.3	1347.9	1347.4	1347.0	1346.7	1346.3	1345.9
155°	1396.7	1395.6	1395.3	1395.1	1394.8	1394.5	1394.4	1394.4	1394.4	1394.4	1394.4
157.5°	1437.3	1436.1	1435.9	1435.7	1435.3	1435.1	1435.3	1435.8	1436.5	1437.0	1437.6
160°	1461.8	1460.8	1460.5	1460.2	1460.0	1459.7	1460.0	1460.8	1461.6	1462.4	1463.2
162.5°	1484.7	1483.4	1483.4	1483.3	1483.2	1483.2	1483.4	1484.1	1484.7	1485.2	1485.9
165°	1516.0	1514.9	1514.6	1514.3	1514.1	1513.8	1513.9	1514.5	1515.0	1515.6	1516.1
167.5°	1538.4	1536.8	1536.8	1536.8	1536.8	1536.8	1537.3	1538.4	1539.5	1540.6	1541.6
170°	1552.2	1550.5	1550.5	1550.5	1550.5	1550.5	1551.1	1552.2	1553.2	1554.4	1555.4
172.5°	1562.0	1560.4	1560.4	1560.4	1560.4	1560.4	1560.9	1562.0	1563.1	1564.2	1565.3
175°	1573.0	1571.4	1571.4	1571.4	1571.4	1571.4	1572.0	1573.0	1574.2	1575.2	1576.4
177.5°	1578.4	1577.1	1577.3	1577.5	1577.8	1577.9	1578.5	1579.4	1580.3	1581.1	1582.0
180°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1303.5	1309.7	1313.6	1321.1	1327.3	1330.8	1333.9	1336.5	1339.6	1342.2	1349.7
5°	1311.9	1326.2	1338.3	1357.0	1374.1	1387.3	1401.6	1414.2	1424.7	1439.6	1451.1
7.5°	1308.2	1333.7	1360.3	1389.3	1418.9	1446.3	1471.7	1495.3	1516.8	1542.8	1565.5
10°	1304.7	1339.4	1373.5	1412.6	1452.8	1486.9	1518.8	1551.3	1574.9	1607.9	1636.0
12.5°	1302.1	1342.9	1384.1	1431.1	1475.2	1523.4	1565.9	1589.6	1625.5	1652.0	1685.3
15°	1290.9	1344.9	1401.6	1454.4	1517.1	1561.7	1599.1	1645.4	1678.9	1712.5	1748.8
17.5°	1271.1	1332.1	1395.5	1464.8	1524.9	1572.8	1621.1	1665.6	1705.7	1750.7	1795.9
20°	1261.8	1322.9	1395.5	1466.5	1525.4	1575.5	1625.0	1674.0	1718.0	1775.8	1828.1
22.5°	1242.4	1316.3	1383.2	1452.5	1513.0	1567.6	1623.7	1679.3	1737.8	1803.0	1868.6
25°	1207.9	1282.7	1353.7	1422.0	1483.0	1551.3	1611.3	1685.5	1760.4	1846.7	1928.2
27.5°	1172.0	1243.7	1308.7	1374.6	1445.9	1523.1	1600.9	1685.2	1783.1	1892.2	2007.1
30°	1143.0	1210.6	1273.9	1341.6	1415.8	1502.8	1588.1	1688.2	1801.6	1924.4	2060.8
32.5°	1109.1	1171.4	1233.0	1304.6	1385.5	1477.3	1576.7	1686.5	1822.8	1962.2	2102.7
35°	1051.1	1103.3	1166.6	1243.1	1334.5	1439.6	1554.5	1684.4	1840.7	2000.8	2119.1
37.5°	982.3	1030.9	1097.6	1181.5	1277.2	1390.0	1526.5	1680.6	1846.6	1974.2	2012.4
40°	936.0	981.1	1050.5	1137.4	1235.4	1354.8	1504.5	1667.4	1828.1	1909.5	1878.1
42.5°	886.7	934.1	1001.6	1087.7	1193.1	1323.1	1476.8	1639.6	1774.3	1805.2	1696.7
45°	808.9	857.9	924.5	1011.5	1124.8	1265.7	1425.8	1573.9	1651.4	1595.9	1428.0
47.5°	736.6	782.5	844.2	933.9	1050.9	1196.6	1350.9	1468.9	1475.1	1342.5	1163.2
50°	687.3	729.7	791.9	881.6	997.7	1145.2	1284.3	1377.4	1335.5	1185.3	1013.1
52.5°	638.9	680.4	741.7	830.5	945.3	1080.4	1210.0	1275.2	1196.5	1042.3	895.1
55°	569.0	605.3	665.3	747.3	856.2	981.7	1091.8	1114.4	1011.9	860.1	740.7
57.5°	500.8	534.7	589.2	664.7	764.3	875.5	961.6	956.8	848.6	718.2	623.5
60°	454.5	487.5	536.0	609.7	700.5	796.3	870.0	852.4	745.1	632.8	553.0
62.5°	413.2	442.6	488.4	552.9	635.8	724.5	785.1	759.0	654.0	555.8	492.8
65°	352.2	376.9	416.0	471.1	539.8	613.0	659.8	626.2	536.5	460.1	409.4
67.5°	294.0	313.8	346.6	390.4	449.1	507.9	536.4	502.6	430.9	375.0	337.5
70°	257.0	274.6	299.9	339.0	390.1	439.7	461.1	430.9	369.2	321.4	294.4
72.5°	220.0	234.6	256.7	291.9	332.9	375.9	394.7	365.7	315.1	274.7	249.5
75°	170.1	179.9	195.3	219.6	252.0	286.2	296.6	271.3	238.8	208.6	192.1
77.5°	121.7	130.1	141.8	157.0	180.0	201.7	210.8	196.2	171.1	152.0	138.4
80°	93.5	97.9	107.9	120.5	138.7	152.5	158.5	149.1	131.5	117.2	106.7
82.5°	66.7	71.1	77.0	87.5	99.1	108.4	114.9	108.6	95.9	84.6	78.6
85°	32.4	35.2	38.5	42.9	51.7	57.2	56.7	52.8	47.9	43.5	40.2
87.5°	12.1	13.0	14.8	17.4	19.2	21.3	22.5	22.0	20.6	19.6	18.6
90°	3.4	5.6	7.8	9.9	12.0	13.9	15.8	17.8	19.6	21.0	22.4
92.5°	31.3	32.9	34.3	35.9	37.8	40.2	42.5	44.8	47.2	49.0	50.8
95°	80.5	81.0	81.5	82.1	83.7	86.5	89.2	92.0	94.7	96.6	98.5
97.5°	133.0	133.2	133.5	133.7	135.7	139.4	143.2	147.0	150.7	152.5	154.3
100°	172.1	172.1	172.1	172.1	173.9	177.5	181.0	184.6	188.1	190.6	193.1
102.5°	215.6	216.6	217.7	218.8	220.3	222.1	223.9	225.7	227.5	230.2	232.8
105°	281.7	283.1	284.5	285.8	287.3	288.9	290.6	292.2	293.9	295.5	297.2
107.5°	354.5	355.9	357.3	358.6	360.0	361.2	362.4	363.7	364.9	365.7	366.6
110°	404.7	406.0	407.4	408.8	409.9	410.7	411.5	412.3	413.1	413.9	414.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	455.2	455.9	456.6	457.3	458.2	459.2	460.2	461.3	462.4	462.7	463.1
115°	531.1	532.1	533.2	534.3	535.2	535.7	536.2	536.8	537.4	537.0	536.8
117.5°	606.2	606.7	607.2	607.6	608.1	608.6	609.1	609.6	610.2	610.3	610.6
120°	654.3	655.7	657.0	658.4	659.2	659.5	659.7	660.0	660.3	660.3	660.3
122.5°	704.6	705.1	705.6	706.0	706.6	707.4	708.1	708.7	709.5	709.2	709.1
125°	775.0	776.7	778.4	780.0	781.0	781.2	781.5	781.8	782.0	781.5	781.0
127.5°	848.2	849.1	849.9	850.9	851.6	851.9	852.2	852.6	852.9	852.6	852.3
130°	892.8	894.2	895.5	896.9	897.9	898.5	898.9	899.5	900.1	899.8	899.5
132.5°	938.0	940.2	942.5	944.7	945.7	945.7	945.5	945.4	945.3	945.0	944.8
135°	1007.5	1009.1	1010.7	1012.4	1013.3	1013.6	1013.9	1014.2	1014.4	1014.4	1014.4
137.5°	1073.3	1074.9	1076.4	1078.1	1079.1	1079.8	1080.4	1080.9	1081.6	1081.9	1082.2
140°	1115.4	1116.7	1118.1	1119.5	1120.5	1121.4	1122.3	1123.1	1123.9	1124.4	1124.9
142.5°	1157.5	1158.6	1159.8	1160.9	1162.0	1163.0	1164.1	1165.1	1166.1	1166.4	1166.8
145°	1219.6	1220.7	1221.8	1222.9	1223.8	1224.7	1225.5	1226.3	1227.1	1227.1	1227.1
147.5°	1276.7	1277.2	1277.9	1278.5	1279.1	1279.8	1280.4	1281.1	1281.7	1282.4	1283.0
150°	1314.2	1313.9	1313.6	1313.4	1313.8	1314.8	1316.0	1317.0	1318.2	1318.2	1318.2
152.5°	1346.3	1346.7	1347.0	1347.4	1347.9	1348.3	1348.7	1349.2	1349.6	1350.3	1351.0
155°	1394.4	1394.4	1394.4	1394.4	1394.5	1394.8	1395.1	1395.3	1395.6	1396.7	1397.7
157.5°	1437.0	1436.5	1435.8	1435.3	1435.1	1435.3	1435.7	1435.9	1436.1	1437.3	1438.4
160°	1462.4	1461.6	1460.8	1460.0	1459.7	1460.0	1460.2	1460.5	1460.8	1461.8	1463.0
162.5°	1485.2	1484.7	1484.1	1483.4	1483.2	1483.2	1483.3	1483.4	1483.4	1484.7	1486.0
165°	1515.6	1515.0	1514.5	1513.9	1513.8	1514.1	1514.3	1514.6	1514.9	1516.0	1517.0
167.5°	1540.6	1539.5	1538.4	1537.3	1536.8	1536.8	1536.8	1536.8	1536.8	1538.4	1540.0
170°	1554.4	1553.2	1552.2	1551.1	1550.5	1550.5	1550.5	1550.5	1550.5	1552.2	1553.8
172.5°	1564.2	1563.1	1562.0	1560.9	1560.4	1560.4	1560.4	1560.4	1560.4	1562.0	1563.7
175°	1575.2	1574.2	1573.0	1572.0	1571.4	1571.4	1571.4	1571.4	1571.4	1573.0	1574.8
177.5°	1581.1	1580.3	1579.4	1578.5	1577.9	1577.8	1577.5	1577.3	1577.1	1578.4	1579.7
180°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1355.9	1359.4	1366.9	1364.2	1367.8	1369.5	1371.3
5°	1465.4	1483.0	1490.7	1489.6	1501.2	1498.4	1495.7
7.5°	1589.1	1607.6	1618.0	1630.8	1638.3	1638.8	1645.4
10°	1659.1	1683.3	1693.2	1707.0	1715.8	1720.8	1720.2
12.5°	1712.9	1731.8	1754.0	1760.7	1772.6	1778.8	1776.5
15°	1777.4	1807.7	1830.8	1842.3	1857.3	1861.7	1867.7
17.5°	1835.1	1875.7	1902.7	1938.5	1952.1	1960.3	1955.5
20°	1878.7	1932.1	1959.0	2002.0	2025.6	2038.2	2033.8
22.5°	1930.2	1987.9	2037.8	2075.0	2111.0	2128.1	2131.6
25°	2018.4	2097.7	2170.9	2219.9	2264.4	2274.8	2298.0
27.5°	2117.1	2210.5	2288.8	2340.2	2371.3	2383.0	2390.2
30°	2179.1	2272.2	2331.0	2364.0	2373.9	2372.8	2371.7
32.5°	2209.5	2267.8	2279.1	2269.8	2247.1	2228.0	2208.0
35°	2166.5	2123.0	2058.1	1974.4	1912.8	1850.6	1844.5
37.5°	1948.5	1809.5	1701.4	1580.6	1511.0	1467.9	1438.3
40°	1743.3	1585.3	1454.4	1352.6	1281.7	1253.5	1226.0
42.5°	1520.5	1369.7	1253.7	1168.6	1115.2	1084.1	1062.3
45°	1235.4	1102.2	1011.5	949.8	907.4	883.2	869.4
47.5°	1012.3	913.8	836.7	792.2	763.0	744.1	744.2
50°	892.6	798.5	747.3	712.1	686.7	671.9	674.7
52.5°	786.4	716.2	672.5	642.9	624.3	615.1	614.8
55°	657.6	607.0	578.4	556.9	544.2	533.8	536.0
57.5°	562.5	519.8	500.7	482.8	474.0	469.9	463.7
60°	503.5	470.5	454.0	439.7	430.9	427.5	421.5
62.5°	451.1	425.2	409.1	397.4	389.5	388.4	383.7
65°	379.1	359.3	345.0	339.5	331.3	329.1	329.1
67.5°	312.6	298.4	287.2	282.2	278.6	279.1	276.5
70°	270.8	259.2	252.0	246.5	243.8	244.3	242.1
72.5°	236.8	224.0	217.7	214.4	210.8	212.2	211.3
75°	179.4	172.8	169.5	166.2	164.0	162.9	161.8
77.5°	131.8	125.9	123.4	121.5	121.8	119.2	121.3
80°	101.8	96.9	95.2	92.5	91.9	91.9	91.3
82.5°	74.5	71.7	70.5	68.2	67.3	68.2	66.7
85°	38.5	36.3	35.8	35.8	34.7	33.6	36.3
87.5°	18.8	17.4	17.6	17.3	17.4	17.2	16.5
90°	23.8	25.1	26.3	27.1	27.9	28.7	29.5
92.5°	52.6	54.5	55.6	56.3	56.8	57.4	58.0
95°	100.4	102.3	103.5	104.1	104.7	105.2	105.7
97.5°	156.1	157.9	159.1	159.4	159.7	160.0	160.4
100°	195.5	198.0	199.5	200.0	200.6	201.1	201.6
102.5°	235.5	238.1	239.9	240.7	241.4	242.2	243.0
105°	298.8	300.4	301.7	302.5	303.3	304.1	304.9
107.5°	367.4	368.2	368.6	368.5	368.5	368.4	368.4
110°	415.6	416.5	416.7	416.5	416.1	415.9	415.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	463.5	463.8	463.8	463.3	462.8	462.4	461.9
115°	536.5	536.2	536.0	535.7	535.4	535.2	534.9
117.5°	610.8	611.0	610.6	609.4	608.4	607.3	606.2
120°	660.3	660.3	659.7	658.7	657.5	656.5	655.4
122.5°	708.8	708.6	708.1	707.2	706.3	705.4	704.6
125°	780.4	779.8	779.4	779.2	778.9	778.6	778.4
127.5°	852.1	851.7	851.3	850.8	850.3	849.7	849.1
130°	899.3	898.9	898.5	898.1	897.5	896.9	896.4
132.5°	944.5	944.2	943.7	943.0	942.2	941.4	940.6
135°	1014.4	1014.4	1013.9	1012.8	1011.7	1010.6	1009.5
137.5°	1082.6	1082.9	1082.4	1081.0	1079.6	1078.2	1076.8
140°	1125.5	1126.0	1125.6	1124.3	1122.9	1121.5	1120.1
142.5°	1167.1	1167.5	1166.9	1165.6	1164.2	1162.9	1161.5
145°	1227.1	1227.1	1226.7	1225.9	1225.1	1224.3	1223.4
147.5°	1283.7	1284.3	1283.8	1281.9	1280.0	1278.2	1276.4
150°	1318.2	1318.2	1317.8	1317.3	1316.8	1316.2	1315.6
152.5°	1351.6	1352.3	1352.1	1351.1	1350.1	1349.2	1348.2
155°	1398.9	1400.0	1399.9	1398.5	1397.1	1395.7	1394.4
157.5°	1439.5	1440.6	1440.2	1438.4	1436.6	1434.8	1433.0
160°	1464.0	1465.2	1465.0	1463.6	1462.2	1460.9	1459.5
162.5°	1487.4	1488.7	1488.5	1486.9	1485.3	1483.8	1482.1
165°	1518.2	1519.2	1519.0	1517.4	1515.7	1514.1	1512.4
167.5°	1541.6	1543.3	1543.3	1541.6	1539.9	1538.2	1536.5
170°	1555.4	1557.1	1557.0	1555.0	1553.1	1551.2	1549.3
172.5°	1565.3	1566.9	1566.9	1565.2	1563.5	1561.8	1560.2
175°	1576.4	1578.0	1577.8	1576.0	1574.0	1572.1	1570.2
177.5°	1581.0	1582.3	1582.3	1580.7	1579.2	1577.6	1576.1
180°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1

(END OF REPORT)