

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: P331610-927

Luminaire Tested: **S122DIW-S1005D1440U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331610-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIW-S1005D1440U927-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1440 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7447.8 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

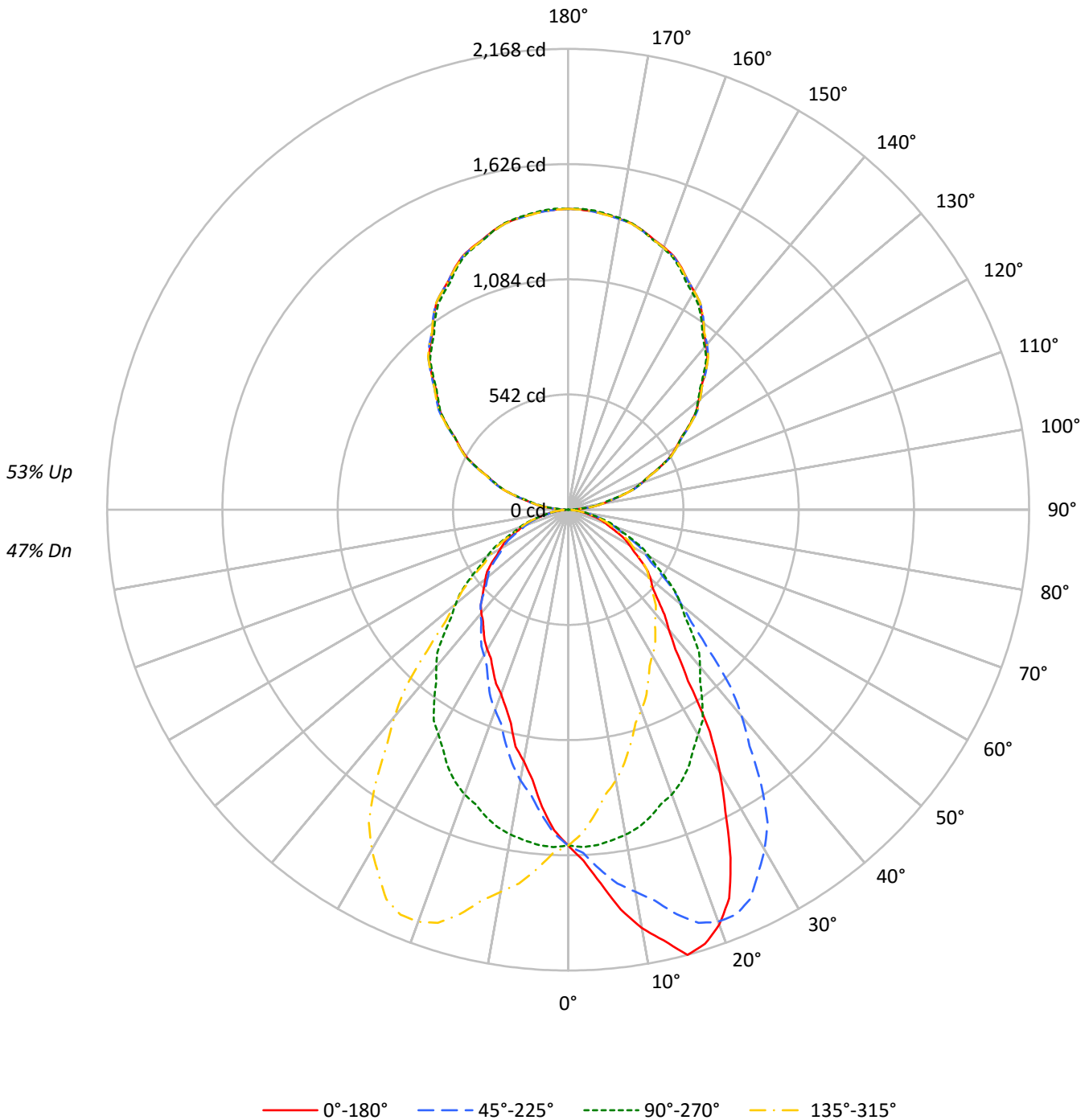
Input Watts (W): 82.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
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	50	30	10	0														
RCR																																						
0	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53	47																				
1	98	93	90	86	89	86	83	80	72	70	68	59	58	56	48	47	46	40																				
2	89	82	76	71	82	76	71	66	64	60	57	53	50	48	43	41	39	35																				
3	82	73	65	60	75	67	61	56	57	52	48	47	44	41	38	36	34	30																				
4	75	64	57	51	69	60	53	48	51	46	42	42	38	36	34	32	30	26																				
5	69	58	50	44	63	53	47	41	45	40	36	38	34	31	31	28	26	23																				
6	64	52	44	38	58	48	41	36	41	36	32	35	31	27	28	26	23	20																				
7	59	47	39	34	54	44	37	32	37	32	28	32	27	24	26	23	21	18																				
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	19	16																				
9	51	39	32	27	47	36	30	25	31	26	23	27	23	20	22	19	17	15																				
10	48	36	29	24	44	34	27	23	29	24	20	25	21	18	21	18	16	14																				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	25504	25504	25504	25504
5°	28593	25671	22749	25671
10°	32765	25460	19687	25460
15°	36247	24993	17392	24993
20°	35696	24493	15856	24493
25°	32186	23826	14883	23826
30°	26597	22760	14171	22760
35°	19385	21646	13665	21646
40°	15483	20331	13384	20331
45°	13531	18810	13001	18810
50°	12717	17337	12750	17337
55°	11724	15842	12408	15842
60°	10743	14250	11880	14250
65°	9788	12825	11366	12825
70°	8884	11434	10607	11434
75°	7879	9881	9395	9881
80°	6778	8182	7569	8182
85°	6076	6076	4502	6076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.4	2.0
10°-20°	437.4	5.9
20°-30°	634.7	8.5
30°-40°	669.8	9.0
40°-50°	593.0	8.0
50°-60°	473.3	6.4
60°-70°	321.7	4.3
70°-80°	164.9	2.2
80°-90°	45.4	0.6
90°-100°	89.7	1.2
100°-110°	278.5	3.7
110°-120°	476.1	6.4
120°-130°	626.1	8.4
130°-140°	702.7	9.4
140°-150°	689.0	9.3
150°-160°	577.9	7.8
160°-170°	383.3	5.1
170°-180°	134.0	1.8
0°-30°	1222.5	16.4
0°-40°	1892.3	25.4
0°-60°	2958.6	39.7
0°-90°	3490.7	46.9
90°-120°	844.3	11.3
90°-150°	2862.0	38.4
90°-180°	3957.0	53.1
0°-180°	7447.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1580	1580	1580	1580	1580	
5°	1764	1584	1404	1584	1764	176
15°	2168	1495	1040	1495	2168	598
25°	1807	1337	835	1337	1807	817
35°	984	1098	693	1098	984	640
45°	593	824	569	824	593	466
55°	416	563	441	563	416	373
65°	256	336	298	336	256	255
75°	126	158	151	158	126	135
85°	33	33	24	33	33	37
90°	41	1	41	1	41	19
95°	74	62	74	62	74	83
105°	265	257	265	257	265	279
115°	478	478	478	478	478	472
125°	697	695	697	695	697	622
135°	910	899	910	899	910	700
145°	1104	1092	1104	1092	1104	689
155°	1258	1248	1258	1248	1258	579
165°	1359	1358	1359	1358	1359	383
175°	1408	1413	1408	1413	1408	134
180°	1415	1415	1415	1415	1415	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1652.5	1653.0	1653.9	1646.2	1645.2	1645.2	1638.4	1632.6	1625.8	1616.5	1617.6
5°	1764.2	1770.8	1773.3	1766.0	1755.1	1753.9	1743.6	1726.6	1710.8	1698.0	1688.9
7.5°	1897.5	1900.2	1894.3	1884.7	1876.5	1861.9	1842.8	1823.9	1797.6	1773.5	1755.5
10°	1998.5	2002.2	1991.9	1977.9	1966.4	1949.4	1921.4	1892.9	1858.3	1825.0	1798.2
12.5°	2075.3	2084.2	2071.0	2069.2	2049.5	2026.1	1992.8	1978.4	1929.7	1883.2	1854.6
15°	2168.5	2167.9	2169.2	2157.6	2143.0	2139.4	2104.2	2065.9	1997.3	1970.0	1922.6
17.5°	2141.6	2150.8	2155.1	2154.9	2154.6	2152.3	2141.0	2116.8	2082.4	2038.1	1983.5
20°	2077.5	2089.6	2091.4	2105.4	2113.3	2123.6	2127.9	2121.1	2099.9	2062.9	2015.5
22.5°	1978.4	1981.8	1987.5	2009.2	2026.3	2052.2	2065.7	2088.1	2080.0	2061.9	2022.4
25°	1806.7	1800.6	1821.9	1832.8	1872.2	1913.5	1943.3	1976.1	2005.3	2022.8	2011.3
27.5°	1600.5	1591.4	1623.3	1652.3	1684.3	1729.0	1775.4	1830.1	1875.7	1932.6	1952.2
30°	1426.6	1432.1	1462.4	1493.4	1542.0	1605.1	1657.3	1717.5	1782.4	1846.2	1890.5
32.5°	1239.2	1260.2	1279.4	1326.8	1369.6	1440.0	1516.5	1591.7	1672.7	1745.2	1813.8
35°	983.5	1007.7	1034.5	1069.1	1129.2	1199.0	1273.7	1375.1	1485.6	1584.5	1665.9
37.5°	827.8	823.9	839.2	864.3	912.9	969.3	1055.3	1155.4	1285.5	1401.8	1516.5
40°	734.6	732.1	743.1	766.1	803.2	844.5	919.7	1007.7	1128.5	1270.7	1407.2
42.5°	670.5	671.9	678.0	694.3	719.6	753.6	810.0	884.9	995.5	1129.3	1276.1
45°	592.6	596.8	603.5	611.3	625.9	653.9	685.4	738.9	826.2	937.9	1082.4
47.5°	536.4	536.5	543.4	550.2	558.9	574.6	600.4	633.9	695.6	786.6	910.8
50°	506.3	502.1	506.9	512.4	521.5	532.4	549.4	581.0	622.3	695.7	799.5
52.5°	469.4	469.5	473.9	475.9	484.1	495.0	510.6	532.4	569.8	627.2	712.6
55°	416.5	419.5	421.9	425.6	432.8	440.8	452.9	467.5	496.6	539.7	602.9
57.5°	366.7	367.7	370.1	377.0	381.6	388.9	400.4	413.7	432.6	464.5	512.0
60°	332.7	332.7	337.5	340.6	346.7	353.9	363.1	375.8	392.8	418.9	457.2
62.5°	301.6	301.1	303.1	308.0	312.7	319.5	328.5	339.4	355.4	378.6	410.0
65°	256.2	255.0	258.6	259.8	264.7	271.4	278.7	290.2	302.9	320.0	347.8
67.5°	212.5	214.0	215.9	218.2	220.9	227.9	232.7	240.9	251.7	265.8	284.7
70°	188.2	188.2	188.2	190.0	193.7	197.3	202.2	208.8	219.2	231.3	248.3
72.5°	161.0	163.0	164.9	163.8	168.4	170.6	176.4	180.2	190.0	197.8	212.9
75°	126.3	126.3	126.3	129.3	131.1	132.9	136.6	140.2	145.1	154.8	162.7
77.5°	94.2	94.0	94.6	95.3	97.3	99.4	100.5	103.8	108.3	112.8	119.5
80°	72.9	74.1	74.7	75.9	75.9	77.1	77.7	82.0	85.0	88.0	92.3
82.5°	56.3	56.6	56.7	57.0	57.4	58.1	59.7	61.1	62.2	64.7	68.0
85°	32.8	32.2	32.2	33.4	32.8	32.8	34.0	35.2	35.2	35.8	37.6
87.5°	20.8	20.7	21.2	20.6	20.5	21.1	21.2	20.8	21.4	21.9	21.3
90°	40.6	40.3	40.1	39.8	39.5	39.7	40.2	40.7	41.3	41.8	36.0
92.5°	38.7	38.7	38.6	38.5	38.5	38.4	38.3	38.2	38.1	37.9	36.6
95°	74.1	74.5	75.1	75.7	76.1	76.4	76.4	76.4	76.4	76.4	75.9
97.5°	128.3	128.3	128.3	128.4	128.5	128.5	128.5	128.5	128.5	128.5	127.5
100°	163.6	163.9	164.1	164.4	164.7	164.8	164.8	164.8	164.8	164.8	164.0
102.5°	203.7	204.0	204.3	204.5	204.8	204.9	204.6	204.4	204.2	204.0	203.0
105°	265.1	265.1	265.1	265.1	265.1	264.8	264.4	263.8	263.2	262.8	262.2
107.5°	322.9	324.2	325.3	326.6	327.8	328.3	328.1	327.9	327.6	327.5	327.5
110°	367.8	368.6	369.4	370.2	371.0	371.5	371.5	371.5	371.5	371.5	371.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	410.8	411.4	412.0	412.6	413.1	413.8	414.4	415.0	415.7	416.3	416.5
115°	477.7	478.5	479.3	480.1	480.9	481.4	481.6	482.0	482.2	482.5	483.0
117.5°	541.5	542.2	543.0	543.8	544.6	545.4	546.1	546.7	547.3	548.0	549.4
120°	586.4	587.2	588.0	588.7	589.5	589.9	589.9	589.9	589.9	589.9	592.1
122.5°	630.3	630.9	631.5	632.1	632.6	633.3	633.9	634.5	635.2	635.8	637.3
125°	697.4	697.8	698.0	698.2	698.5	699.0	699.8	700.6	701.4	702.2	703.1
127.5°	758.6	759.5	760.3	761.1	762.0	762.9	763.8	764.8	765.7	766.8	767.7
130°	802.6	803.6	804.7	805.7	806.8	807.6	808.1	808.7	809.2	809.7	810.2
132.5°	844.5	845.4	846.3	847.2	848.0	849.0	850.2	851.4	852.5	853.7	853.6
135°	910.1	910.9	911.6	912.4	913.2	913.8	914.0	914.3	914.6	914.8	914.3
137.5°	969.2	970.3	971.4	972.5	973.5	974.1	974.4	974.5	974.8	975.0	974.3
140°	1010.3	1011.4	1012.5	1013.5	1014.6	1015.1	1015.1	1015.1	1015.1	1015.1	1013.8
142.5°	1047.6	1048.7	1049.7	1050.8	1051.9	1052.3	1052.1	1051.9	1051.6	1051.5	1050.5
145°	1103.5	1104.5	1105.6	1106.7	1107.7	1108.1	1107.9	1107.6	1107.3	1107.1	1105.5
147.5°	1153.4	1154.4	1155.4	1156.4	1157.5	1157.7	1157.1	1156.5	1156.0	1155.3	1154.3
150°	1185.9	1186.7	1187.5	1188.3	1189.1	1189.1	1188.3	1187.5	1186.7	1185.9	1184.9
152.5°	1216.5	1217.5	1218.5	1219.5	1220.5	1220.5	1219.5	1218.5	1217.5	1216.5	1215.2
155°	1257.6	1258.4	1259.2	1260.0	1260.8	1260.4	1259.2	1257.8	1256.5	1255.1	1254.3
157.5°	1292.9	1294.2	1295.5	1296.7	1298.0	1297.8	1295.9	1294.1	1292.3	1290.5	1290.1
160°	1314.9	1316.0	1317.0	1318.0	1319.1	1318.8	1317.2	1315.7	1314.1	1312.5	1312.2
162.5°	1334.0	1335.3	1336.6	1337.8	1339.1	1338.8	1337.0	1335.2	1333.4	1331.6	1331.3
165°	1359.1	1360.4	1361.8	1363.0	1364.4	1364.1	1362.2	1360.4	1358.5	1356.7	1356.7
167.5°	1379.6	1381.0	1382.4	1383.8	1385.1	1384.9	1383.1	1381.2	1379.3	1377.4	1377.5
170°	1390.1	1391.7	1393.3	1394.9	1396.5	1396.4	1394.5	1392.7	1390.8	1388.9	1389.2
172.5°	1398.8	1400.3	1401.9	1403.5	1405.1	1404.9	1403.1	1401.2	1399.4	1397.5	1397.8
175°	1408.0	1409.6	1411.2	1412.8	1414.4	1414.3	1412.4	1410.6	1408.7	1406.8	1407.4
177.5°	1412.3	1413.6	1414.9	1416.2	1417.5	1417.5	1416.2	1414.9	1413.6	1412.3	1412.8
180°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1621.0	1617.1	1614.6	1605.9	1598.1	1590.3	1587.9	1588.9	1578.2	1568.0	1563.6
5°	1684.1	1671.9	1660.4	1644.0	1624.6	1603.3	1592.4	1583.9	1562.7	1539.6	1526.2
7.5°	1740.7	1723.3	1701.1	1670.2	1642.0	1608.5	1587.3	1568.4	1537.4	1504.8	1484.9
10°	1775.1	1751.4	1722.9	1685.3	1650.7	1610.0	1581.4	1552.9	1516.5	1477.7	1453.3
12.5°	1804.7	1772.8	1744.8	1696.5	1655.5	1604.6	1570.8	1530.6	1492.2	1446.0	1422.3
15°	1875.3	1816.4	1763.0	1708.3	1658.0	1586.9	1549.3	1495.2	1444.9	1387.8	1360.5
17.5°	1929.8	1863.6	1779.5	1710.1	1651.3	1572.6	1517.3	1452.6	1393.1	1327.9	1290.7
20°	1960.9	1885.0	1794.5	1712.0	1641.6	1551.7	1491.6	1425.5	1355.7	1282.1	1242.1
22.5°	1979.3	1899.6	1810.1	1704.7	1622.2	1534.7	1459.0	1386.6	1315.8	1236.5	1194.5
25°	1985.2	1912.3	1817.7	1698.7	1597.8	1498.9	1407.9	1337.4	1251.8	1177.7	1116.4
27.5°	1956.3	1904.1	1813.0	1687.2	1569.8	1454.1	1352.6	1272.8	1182.5	1102.1	1040.5
30°	1920.8	1890.5	1801.8	1675.5	1547.4	1423.0	1311.3	1220.8	1131.0	1049.6	986.5
32.5°	1866.0	1859.4	1781.5	1659.1	1523.7	1383.7	1268.1	1176.6	1077.1	997.2	937.0
35°	1758.2	1787.2	1738.1	1622.2	1478.8	1327.7	1202.6	1098.2	995.1	918.5	862.1
37.5°	1613.7	1686.0	1673.2	1568.1	1418.4	1266.8	1128.7	1019.5	921.2	844.0	788.6
40°	1514.1	1606.4	1619.7	1526.9	1375.7	1219.6	1073.3	964.6	868.7	798.4	742.4
42.5°	1407.2	1515.0	1551.7	1477.3	1329.0	1170.1	1023.8	911.2	816.3	747.8	698.3
45°	1228.1	1370.8	1437.0	1394.5	1251.3	1088.5	937.9	823.8	737.6	673.3	635.0
47.5°	1060.7	1216.6	1305.6	1290.5	1164.7	1003.5	854.7	745.1	661.2	609.9	575.7
50°	942.2	1102.5	1209.9	1214.8	1102.5	942.8	793.4	690.2	613.1	565.2	537.3
52.5°	839.2	992.2	1109.4	1135.1	1033.0	879.6	738.6	635.9	568.0	523.9	498.9
55°	704.8	834.2	964.1	1011.4	929.5	783.8	653.2	562.8	499.0	468.7	446.8
57.5°	586.0	693.8	813.7	866.1	815.6	690.9	568.5	489.9	438.2	411.6	394.8
60°	523.3	608.3	715.2	777.7	734.0	622.9	516.0	441.3	398.9	375.2	359.4
62.5°	465.0	540.3	630.7	687.9	664.0	559.3	463.6	397.7	361.0	338.7	327.3
65°	383.7	443.1	513.0	565.8	550.0	470.5	392.2	335.7	306.6	289.0	279.9
67.5°	315.9	358.9	407.3	453.6	440.8	384.5	321.6	277.7	256.0	240.7	235.3
70°	273.2	305.9	349.1	386.1	375.8	329.6	279.9	242.2	223.4	210.6	205.2
72.5°	232.4	259.4	292.2	322.5	315.5	277.2	235.7	207.2	192.8	181.0	176.6
75°	175.5	196.1	216.1	236.1	234.3	204.6	180.3	158.4	146.9	137.8	136.0
77.5°	129.5	141.1	154.7	166.6	163.3	146.3	127.2	114.7	106.2	100.1	99.2
80°	98.9	105.6	115.3	123.8	119.6	112.3	97.1	88.0	82.0	75.9	73.4
82.5°	71.8	78.4	84.3	88.9	85.6	78.8	69.5	63.3	59.7	55.5	54.5
85°	37.6	41.3	43.7	44.9	43.7	39.5	35.2	32.8	29.8	28.0	27.3
87.5°	20.6	19.4	18.2	18.3	16.2	15.6	13.0	10.9	11.1	11.2	10.9
90°	30.1	24.3	18.5	13.9	10.8	7.5	4.4	1.2	4.4	7.5	10.8
92.5°	35.3	33.8	32.5	30.6	28.3	25.9	23.6	21.2	23.6	25.9	28.3
95°	75.3	74.9	74.3	72.7	70.0	67.4	64.7	62.1	64.7	67.4	70.0
97.5°	126.5	125.5	124.5	122.8	120.5	118.1	115.8	113.4	115.8	118.1	120.5
100°	163.2	162.4	161.6	160.2	158.0	155.9	153.8	151.7	153.8	155.9	158.0
102.5°	201.9	201.0	199.9	198.6	196.9	195.2	193.5	191.8	193.5	195.2	196.9
105°	261.7	261.2	260.6	259.9	259.1	258.3	257.5	256.7	257.5	258.3	259.1
107.5°	327.5	327.5	327.5	326.9	325.7	324.6	323.4	322.2	323.4	324.6	325.7
110°	371.5	371.5	371.5	370.6	369.0	367.4	365.8	364.2	365.8	367.4	369.0



TEST NUMBER: P331610-927

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	416.8	416.9	417.2	416.5	414.9	413.3	411.7	410.1	411.7	413.3	414.9
115°	483.5	484.1	484.6	484.1	482.5	480.9	479.3	477.7	479.3	480.9	482.5
117.5°	550.9	552.4	553.9	553.6	551.4	549.3	547.2	545.1	547.2	549.3	551.4
120°	594.2	596.4	598.5	598.5	596.4	594.2	592.1	589.9	592.1	594.2	596.4
122.5°	638.8	640.3	641.7	641.3	638.7	636.1	633.6	631.1	633.6	636.1	638.7
125°	703.9	704.6	705.4	704.6	702.2	699.8	697.4	695.1	697.4	699.8	702.2
127.5°	768.7	769.6	770.6	769.5	766.5	763.4	760.4	757.4	760.4	763.4	766.5
130°	810.8	811.3	811.8	810.4	806.9	803.5	800.0	796.5	800.0	803.5	806.9
132.5°	853.4	853.3	853.3	851.8	849.0	846.1	843.4	840.5	843.4	846.1	849.0
135°	913.8	913.2	912.7	910.9	908.0	905.1	902.2	899.3	902.2	905.1	908.0
137.5°	973.6	973.0	972.2	970.7	968.3	965.9	963.5	961.2	963.5	965.9	968.3
140°	1012.5	1011.1	1009.8	1008.0	1005.6	1003.2	1000.8	998.4	1000.8	1003.2	1005.6
142.5°	1049.6	1048.7	1047.8	1046.2	1043.8	1041.4	1039.0	1036.6	1039.0	1041.4	1043.8
145°	1103.9	1102.3	1100.7	1099.0	1097.1	1095.3	1093.4	1091.5	1093.4	1095.3	1097.1
147.5°	1153.2	1152.1	1151.1	1149.5	1147.2	1144.9	1142.7	1140.5	1142.7	1144.9	1147.2
150°	1183.8	1182.7	1181.6	1180.4	1178.8	1177.2	1175.5	1173.9	1175.5	1177.2	1178.8
152.5°	1213.9	1212.7	1211.4	1210.0	1208.3	1206.7	1205.1	1203.6	1205.1	1206.7	1208.3
155°	1253.5	1252.8	1252.0	1251.2	1250.4	1249.6	1248.8	1248.0	1248.8	1249.6	1250.4
157.5°	1289.6	1289.1	1288.6	1288.1	1287.6	1287.1	1286.5	1285.9	1286.5	1287.1	1287.6
160°	1311.9	1311.7	1311.5	1311.1	1310.5	1310.0	1309.5	1308.9	1309.5	1310.0	1310.5
162.5°	1331.1	1330.8	1330.5	1330.4	1330.2	1330.2	1330.1	1329.9	1330.1	1330.2	1330.2
165°	1356.7	1356.7	1356.7	1356.8	1357.1	1357.3	1357.6	1357.9	1357.6	1357.3	1357.1
167.5°	1377.6	1377.6	1377.7	1378.1	1378.9	1379.7	1380.5	1381.2	1380.5	1379.7	1378.9
170°	1389.5	1389.7	1390.0	1390.5	1391.3	1392.1	1392.9	1393.7	1392.9	1392.1	1391.3
172.5°	1398.0	1398.4	1398.6	1399.2	1399.9	1400.7	1401.5	1402.3	1401.5	1400.7	1399.9
175°	1407.9	1408.4	1409.0	1409.6	1410.4	1411.2	1412.0	1412.8	1412.0	1411.2	1410.4
177.5°	1413.2	1413.6	1414.0	1414.6	1415.2	1415.9	1416.5	1417.1	1416.5	1415.9	1415.2
180°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2



TEST NUMBER: P331610-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1558.8	1555.8	1545.6	1540.3	1531.6	1523.3	1518.0	1520.4	1522.3	1521.4	1519.9
5°	1514.1	1502.5	1484.9	1469.7	1458.8	1438.8	1430.3	1426.1	1422.4	1418.2	1413.9
7.5°	1460.9	1442.7	1417.5	1395.8	1375.4	1350.5	1336.3	1327.9	1319.1	1309.5	1301.0
10°	1423.0	1397.5	1370.8	1340.5	1316.2	1293.7	1273.7	1260.3	1248.2	1236.7	1228.1
12.5°	1383.2	1353.8	1320.8	1279.3	1252.5	1220.4	1217.3	1193.8	1174.8	1167.7	1157.7
15°	1319.8	1278.5	1236.7	1187.5	1166.3	1137.1	1118.9	1100.7	1084.3	1072.7	1069.7
17.5°	1247.8	1194.4	1152.7	1117.4	1082.6	1052.7	1035.9	1021.4	1007.9	992.4	990.4
20°	1192.9	1146.8	1101.3	1070.3	1034.5	1004.1	983.5	968.9	957.4	948.2	940.4
22.5°	1141.0	1090.4	1048.8	1014.9	979.6	955.1	938.8	924.7	915.1	905.1	897.6
25°	1057.6	1018.1	972.6	934.3	905.1	889.4	876.0	863.9	857.9	851.1	842.6
27.5°	984.6	940.7	898.1	868.5	842.9	828.9	819.4	811.2	805.5	801.6	796.8
30°	933.1	888.7	855.4	826.2	805.0	791.1	785.0	780.1	773.4	771.0	768.6
32.5°	883.5	843.6	815.1	789.8	769.5	760.4	754.9	750.5	745.3	742.8	738.0
35°	813.5	780.1	752.2	738.2	721.8	713.9	709.7	703.6	698.8	696.3	695.7
37.5°	747.6	718.6	700.2	682.2	675.3	670.5	664.6	660.5	659.1	658.7	658.1
40°	704.8	681.1	664.8	650.2	647.1	639.8	635.0	631.4	631.4	632.0	631.4
42.5°	666.0	644.8	630.3	617.7	614.1	609.7	604.9	604.7	605.6	607.7	605.6
45°	607.1	591.9	581.6	575.5	568.9	564.6	564.0	565.8	566.4	567.0	568.9
47.5°	552.9	542.9	533.5	526.8	523.9	523.2	522.4	525.6	528.5	529.7	532.4
50°	520.9	509.4	501.5	497.2	494.8	493.5	494.8	498.4	500.8	503.9	505.7
52.5°	485.0	476.8	471.3	468.1	467.1	467.9	468.1	472.2	476.1	477.2	478.0
55°	435.3	429.2	428.0	422.6	424.9	424.4	427.4	429.8	433.5	437.1	437.7
57.5°	385.7	380.9	377.6	378.1	378.8	381.5	384.0	388.3	392.2	396.1	396.4
60°	352.8	350.3	348.5	348.5	349.7	353.3	356.3	360.6	363.1	365.4	367.3
62.5°	322.6	320.2	318.4	319.3	322.5	324.6	328.2	330.5	333.0	335.3	336.2
65°	275.0	273.8	275.6	276.9	277.4	280.5	284.7	286.5	289.0	290.2	294.5
67.5°	231.2	231.4	231.2	232.9	236.4	237.1	241.1	245.4	245.9	248.2	251.0
70°	201.5	202.8	204.0	205.2	208.3	209.5	212.5	214.3	216.7	218.6	220.4
72.5°	174.4	174.6	175.8	175.5	178.1	180.8	183.3	185.1	187.6	189.9	191.7
75°	134.2	134.2	135.4	136.0	139.0	142.0	141.5	142.7	145.1	147.5	148.8
77.5°	98.0	96.6	98.0	98.6	99.6	102.1	102.6	104.3	107.1	106.2	107.6
80°	74.7	72.9	74.7	75.3	75.3	78.3	78.3	79.5	81.4	79.5	81.4
82.5°	53.3	52.4	53.8	53.9	54.9	55.0	56.0	56.2	58.1	57.2	58.1
85°	26.7	26.1	26.7	26.1	26.7	27.3	27.3	26.7	26.7	28.0	26.1
87.5°	11.0	11.5	12.1	13.3	14.0	14.7	14.1	13.9	13.9	12.8	12.8
90°	13.9	18.5	24.3	30.1	36.0	41.8	41.3	40.7	40.2	39.7	39.5
92.5°	30.6	32.5	33.8	35.3	36.6	37.9	38.1	38.2	38.3	38.4	38.5
95°	72.7	74.3	74.9	75.3	75.9	76.4	76.4	76.4	76.4	76.4	76.1
97.5°	122.8	124.5	125.5	126.5	127.5	128.5	128.5	128.5	128.5	128.5	128.5
100°	160.2	161.6	162.4	163.2	164.0	164.8	164.8	164.8	164.8	164.8	164.7
102.5°	198.6	199.9	201.0	201.9	203.0	204.0	204.2	204.4	204.6	204.9	204.8
105°	259.9	260.6	261.2	261.7	262.2	262.8	263.2	263.8	264.4	264.8	265.1
107.5°	326.9	327.5	327.5	327.5	327.5	327.5	327.6	327.9	328.1	328.3	327.8
110°	370.6	371.5	371.5	371.5	371.5	371.5	371.5	371.5	371.5	371.5	371.0



TEST NUMBER: P331610-927

CATALOG NUMBER: S122DIW-S1005D1440U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	416.5	417.2	416.9	416.8	416.5	416.3	415.7	415.0	414.4	413.8	413.1
115°	484.1	484.6	484.1	483.5	483.0	482.5	482.2	482.0	481.6	481.4	480.9
117.5°	553.6	553.9	552.4	550.9	549.4	548.0	547.3	546.7	546.1	545.4	544.6
120°	598.5	598.5	596.4	594.2	592.1	589.9	589.9	589.9	589.9	589.9	589.5
122.5°	641.3	641.7	640.3	638.8	637.3	635.8	635.2	634.5	633.9	633.3	632.6
125°	704.6	705.4	704.6	703.9	703.1	702.2	701.4	700.6	699.8	699.0	698.5
127.5°	769.5	770.6	769.6	768.7	767.7	766.8	765.7	764.8	763.8	762.9	762.0
130°	810.4	811.8	811.3	810.8	810.2	809.7	809.2	808.7	808.1	807.6	806.8
132.5°	851.8	853.3	853.3	853.4	853.6	853.7	852.5	851.4	850.2	849.0	848.0
135°	910.9	912.7	913.2	913.8	914.3	914.8	914.6	914.3	914.0	913.8	913.2
137.5°	970.7	972.2	973.0	973.6	974.3	975.0	974.8	974.5	974.4	974.1	973.5
140°	1008.0	1009.8	1011.1	1012.5	1013.8	1015.1	1015.1	1015.1	1015.1	1015.1	1014.6
142.5°	1046.2	1047.8	1048.7	1049.6	1050.5	1051.5	1051.6	1051.9	1052.1	1052.3	1051.9
145°	1099.0	1100.7	1102.3	1103.9	1105.5	1107.1	1107.3	1107.6	1107.9	1108.1	1107.7
147.5°	1149.5	1151.1	1152.1	1153.2	1154.3	1155.3	1156.0	1156.5	1157.1	1157.7	1157.5
150°	1180.4	1181.6	1182.7	1183.8	1184.9	1185.9	1186.7	1187.5	1188.3	1189.1	1189.1
152.5°	1210.0	1211.4	1212.7	1213.9	1215.2	1216.5	1217.5	1218.5	1219.5	1220.5	1220.5
155°	1251.2	1252.0	1252.8	1253.5	1254.3	1255.1	1256.5	1257.8	1259.2	1260.4	1260.8
157.5°	1288.1	1288.6	1289.1	1289.6	1290.1	1290.5	1292.3	1294.1	1295.9	1297.8	1298.0
160°	1311.1	1311.5	1311.7	1311.9	1312.2	1312.5	1314.1	1315.7	1317.2	1318.8	1319.1
162.5°	1330.4	1330.5	1330.8	1331.1	1331.3	1331.6	1333.4	1335.2	1337.0	1338.8	1339.1
165°	1356.8	1356.7	1356.7	1356.7	1356.7	1356.7	1358.5	1360.4	1362.2	1364.1	1364.4
167.5°	1378.1	1377.7	1377.6	1377.6	1377.5	1377.4	1379.3	1381.2	1383.1	1384.9	1385.1
170°	1390.5	1390.0	1389.7	1389.5	1389.2	1388.9	1390.8	1392.7	1394.5	1396.4	1396.5
172.5°	1399.2	1398.6	1398.4	1398.0	1397.8	1397.5	1399.4	1401.2	1403.1	1404.9	1405.1
175°	1409.6	1409.0	1408.4	1407.9	1407.4	1406.8	1408.7	1410.6	1412.4	1414.3	1414.4
177.5°	1414.6	1414.0	1413.6	1413.2	1412.8	1412.3	1413.6	1414.9	1416.2	1417.5	1417.5
180°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2



TEST NUMBER: P331610-927

CATALOG NUMBER: S122DIW-S1005D1440U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1515.0	1514.1	1514.1	1509.7	1514.1	1514.1	1515.0	1519.9	1521.4	1522.3	1520.4
5°	1405.4	1403.6	1400.6	1403.6	1400.6	1403.6	1405.4	1413.9	1418.2	1422.4	1426.1
7.5°	1297.0	1289.7	1288.6	1281.4	1288.6	1289.7	1297.0	1301.0	1309.5	1319.1	1327.9
10°	1217.8	1213.0	1212.4	1200.8	1212.4	1213.0	1217.8	1228.1	1236.7	1248.2	1260.3
12.5°	1157.6	1146.0	1148.3	1141.5	1148.3	1146.0	1157.6	1157.7	1167.7	1174.8	1193.8
15°	1053.3	1053.3	1050.9	1040.5	1050.9	1053.3	1053.3	1069.7	1072.7	1084.3	1100.7
17.5°	978.4	977.2	971.4	974.2	971.4	977.2	978.4	990.4	992.4	1007.9	1021.4
20°	933.7	930.1	922.8	922.8	922.8	930.1	933.7	940.4	948.2	957.4	968.9
22.5°	891.4	891.2	883.4	885.9	883.4	891.2	891.4	897.6	905.1	915.1	924.7
25°	842.0	837.2	833.5	835.4	833.5	837.2	842.0	842.6	851.1	857.9	863.9
27.5°	795.2	792.5	792.3	787.3	792.3	792.5	795.2	796.8	801.6	805.5	811.2
30°	767.9	761.9	763.1	760.1	763.1	761.9	767.9	768.6	771.0	773.4	780.1
32.5°	736.9	734.7	733.5	730.9	733.5	734.7	736.9	738.0	742.8	745.3	750.5
35°	694.5	695.1	692.1	693.3	692.1	695.1	694.5	695.7	696.3	698.8	703.6
37.5°	657.5	659.4	658.0	658.3	658.0	659.4	657.5	658.1	658.7	659.1	660.5
40°	633.2	633.2	633.2	635.0	633.2	633.2	633.2	631.4	632.0	631.4	631.4
42.5°	609.9	609.0	607.9	607.8	607.9	609.0	609.9	605.6	607.7	605.6	604.7
45°	570.1	571.9	572.5	569.4	572.5	571.9	570.1	568.9	567.0	566.4	565.8
47.5°	534.0	534.2	534.0	536.7	534.0	534.2	534.0	532.4	529.7	528.5	525.6
50°	508.7	507.6	508.7	507.6	508.7	507.6	508.7	505.7	503.9	500.8	498.4
52.5°	482.0	482.3	481.6	481.3	481.6	482.3	482.0	478.0	477.2	476.1	472.2
55°	440.1	441.3	440.8	440.8	440.8	441.3	440.1	437.7	437.1	433.5	429.8
57.5°	396.8	397.9	398.7	396.1	398.7	397.9	396.8	396.4	396.1	392.2	388.3
60°	366.7	369.7	369.1	367.9	369.1	369.7	366.7	367.3	365.4	363.1	360.6
62.5°	339.0	340.1	340.0	339.8	340.0	340.1	339.0	336.2	335.3	333.0	330.5
65°	296.3	297.5	295.6	297.5	295.6	297.5	296.3	294.5	290.2	289.0	286.5
67.5°	250.3	250.6	251.9	252.8	251.9	250.6	250.3	251.0	248.2	245.9	245.4
70°	221.6	221.0	222.8	224.7	222.8	221.0	221.6	220.4	218.6	216.7	214.3
72.5°	191.5	192.8	192.2	193.5	192.2	192.8	191.5	191.7	189.9	187.6	185.1
75°	147.5	149.3	148.8	150.6	148.8	149.3	147.5	148.8	147.5	145.1	142.7
77.5°	106.6	106.9	106.6	107.6	106.6	106.9	106.6	107.6	106.2	107.1	104.3
80°	81.4	80.2	78.9	81.4	78.9	80.2	81.4	81.4	79.5	81.4	79.5
82.5°	56.6	57.3	56.1	56.1	56.1	57.3	56.6	58.1	57.2	58.1	56.2
85°	26.1	25.5	24.3	24.3	24.3	25.5	26.1	26.1	28.0	26.7	26.7
87.5°	12.8	12.4	12.4	12.0	12.4	12.4	12.8	12.8	12.8	13.9	13.9
90°	39.8	40.1	40.3	40.6	40.3	40.1	39.8	39.5	39.7	40.2	40.7
92.5°	38.5	38.6	38.7	38.7	38.7	38.6	38.5	38.5	38.4	38.3	38.2
95°	75.7	75.1	74.5	74.1	74.5	75.1	75.7	76.1	76.4	76.4	76.4
97.5°	128.4	128.3	128.3	128.3	128.3	128.3	128.4	128.5	128.5	128.5	128.5
100°	164.4	164.1	163.9	163.6	163.9	164.1	164.4	164.7	164.8	164.8	164.8
102.5°	204.5	204.3	204.0	203.7	204.0	204.3	204.5	204.8	204.9	204.6	204.4
105°	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	264.8	264.4	263.8
107.5°	326.6	325.3	324.2	322.9	324.2	325.3	326.6	327.8	328.3	328.1	327.9
110°	370.2	369.4	368.6	367.8	368.6	369.4	370.2	371.0	371.5	371.5	371.5



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	412.6	412.0	411.4	410.8	411.4	412.0	412.6	413.1	413.8	414.4	415.0
115°	480.1	479.3	478.5	477.7	478.5	479.3	480.1	480.9	481.4	481.6	482.0
117.5°	543.8	543.0	542.2	541.5	542.2	543.0	543.8	544.6	545.4	546.1	546.7
120°	588.7	588.0	587.2	586.4	587.2	588.0	588.7	589.5	589.9	589.9	589.9
122.5°	632.1	631.5	630.9	630.3	630.9	631.5	632.1	632.6	633.3	633.9	634.5
125°	698.2	698.0	697.8	697.4	697.8	698.0	698.2	698.5	699.0	699.8	700.6
127.5°	761.1	760.3	759.5	758.6	759.5	760.3	761.1	762.0	762.9	763.8	764.8
130°	805.7	804.7	803.6	802.6	803.6	804.7	805.7	806.8	807.6	808.1	808.7
132.5°	847.2	846.3	845.4	844.5	845.4	846.3	847.2	848.0	849.0	850.2	851.4
135°	912.4	911.6	910.9	910.1	910.9	911.6	912.4	913.2	913.8	914.0	914.3
137.5°	972.5	971.4	970.3	969.2	970.3	971.4	972.5	973.5	974.1	974.4	974.5
140°	1013.5	1012.5	1011.4	1010.3	1011.4	1012.5	1013.5	1014.6	1015.1	1015.1	1015.1
142.5°	1050.8	1049.7	1048.7	1047.6	1048.7	1049.7	1050.8	1051.9	1052.3	1052.1	1051.9
145°	1106.7	1105.6	1104.5	1103.5	1104.5	1105.6	1106.7	1107.7	1108.1	1107.9	1107.6
147.5°	1156.4	1155.4	1154.4	1153.4	1154.4	1155.4	1156.4	1157.5	1157.7	1157.1	1156.5
150°	1188.3	1187.5	1186.7	1185.9	1186.7	1187.5	1188.3	1189.1	1189.1	1188.3	1187.5
152.5°	1219.5	1218.5	1217.5	1216.5	1217.5	1218.5	1219.5	1220.5	1220.5	1219.5	1218.5
155°	1260.0	1259.2	1258.4	1257.6	1258.4	1259.2	1260.0	1260.8	1260.4	1259.2	1257.8
157.5°	1296.7	1295.5	1294.2	1292.9	1294.2	1295.5	1296.7	1298.0	1297.8	1295.9	1294.1
160°	1318.0	1317.0	1316.0	1314.9	1316.0	1317.0	1318.0	1319.1	1318.8	1317.2	1315.7
162.5°	1337.8	1336.6	1335.3	1334.0	1335.3	1336.6	1337.8	1339.1	1338.8	1337.0	1335.2
165°	1363.0	1361.8	1360.4	1359.1	1360.4	1361.8	1363.0	1364.4	1364.1	1362.2	1360.4
167.5°	1383.8	1382.4	1381.0	1379.6	1381.0	1382.4	1383.8	1385.1	1384.9	1383.1	1381.2
170°	1394.9	1393.3	1391.7	1390.1	1391.7	1393.3	1394.9	1396.5	1396.4	1394.5	1392.7
172.5°	1403.5	1401.9	1400.3	1398.8	1400.3	1401.9	1403.5	1405.1	1404.9	1403.1	1401.2
175°	1412.8	1411.2	1409.6	1408.0	1409.6	1411.2	1412.8	1414.4	1414.3	1412.4	1410.6
177.5°	1416.2	1414.9	1413.6	1412.3	1413.6	1414.9	1416.2	1417.5	1417.5	1416.2	1414.9
180°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1518.0	1523.3	1531.6	1540.3	1545.6	1555.8	1558.8	1563.6	1568.0	1578.2	1588.9
5°	1430.3	1438.8	1458.8	1469.7	1484.9	1502.5	1514.1	1526.2	1539.6	1562.7	1583.9
7.5°	1336.3	1350.5	1375.4	1395.8	1417.5	1442.7	1460.9	1484.9	1504.8	1537.4	1568.4
10°	1273.7	1293.7	1316.2	1340.5	1370.8	1397.5	1423.0	1453.3	1477.7	1516.5	1552.9
12.5°	1217.3	1220.4	1252.5	1279.3	1320.8	1353.8	1383.2	1422.3	1446.0	1492.2	1530.6
15°	1118.9	1137.1	1166.3	1187.5	1236.7	1278.5	1319.8	1360.5	1387.8	1444.9	1495.2
17.5°	1035.9	1052.7	1082.6	1117.4	1152.7	1194.4	1247.8	1290.7	1327.9	1393.1	1452.6
20°	983.5	1004.1	1034.5	1070.3	1101.3	1146.8	1192.9	1242.1	1282.1	1355.7	1425.5
22.5°	938.8	955.1	979.6	1014.9	1048.8	1090.4	1141.0	1194.5	1236.5	1315.8	1386.6
25°	876.0	889.4	905.1	934.3	972.6	1018.1	1057.6	1116.4	1177.7	1251.8	1337.4
27.5°	819.4	828.9	842.9	868.5	898.1	940.7	984.6	1040.5	1102.1	1182.5	1272.8
30°	785.0	791.1	805.0	826.2	855.4	888.7	933.1	986.5	1049.6	1131.0	1220.8
32.5°	754.9	760.4	769.5	789.8	815.1	843.6	883.5	937.0	997.2	1077.1	1176.6
35°	709.7	713.9	721.8	738.2	752.2	780.1	813.5	862.1	918.5	995.1	1098.2
37.5°	664.6	670.5	675.3	682.2	700.2	718.6	747.6	788.6	844.0	921.2	1019.5
40°	635.0	639.8	647.1	650.2	664.8	681.1	704.8	742.4	798.4	868.7	964.6
42.5°	604.9	609.7	614.1	617.7	630.3	644.8	666.0	698.3	747.8	816.3	911.2
45°	564.0	564.6	568.9	575.5	581.6	591.9	607.1	635.0	673.3	737.6	823.8
47.5°	522.4	523.2	523.9	526.8	533.5	542.9	552.9	575.7	609.9	661.2	745.1
50°	494.8	493.5	494.8	497.2	501.5	509.4	520.9	537.3	565.2	613.1	690.2
52.5°	468.1	467.9	467.1	468.1	471.3	476.8	485.0	498.9	523.9	568.0	635.9
55°	427.4	424.4	424.9	422.6	428.0	429.2	435.3	446.8	468.7	499.0	562.8
57.5°	384.0	381.5	378.8	378.1	377.6	380.9	385.7	394.8	411.6	438.2	489.9
60°	356.3	353.3	349.7	348.5	348.5	350.3	352.8	359.4	375.2	398.9	441.3
62.5°	328.2	324.6	322.5	319.3	318.4	320.2	322.6	327.3	338.7	361.0	397.7
65°	284.7	280.5	277.4	276.9	275.6	273.8	275.0	279.9	289.0	306.6	335.7
67.5°	241.1	237.1	236.4	232.9	231.2	231.4	231.2	235.3	240.7	256.0	277.7
70°	212.5	209.5	208.3	205.2	204.0	202.8	201.5	205.2	210.6	223.4	242.2
72.5°	183.3	180.8	178.1	175.5	175.8	174.6	174.4	176.6	181.0	192.8	207.2
75°	141.5	142.0	139.0	136.0	135.4	134.2	134.2	136.0	137.8	146.9	158.4
77.5°	102.6	102.1	99.6	98.6	98.0	96.6	98.0	99.2	100.1	106.2	114.7
80°	78.3	78.3	75.3	75.3	74.7	72.9	74.7	73.4	75.9	82.0	88.0
82.5°	56.0	55.0	54.9	53.9	53.8	52.4	53.3	54.5	55.5	59.7	63.3
85°	27.3	27.3	26.7	26.1	26.7	26.1	26.7	27.3	28.0	29.8	32.8
87.5°	14.1	14.7	14.0	13.3	12.1	11.5	11.0	10.9	11.2	11.1	10.9
90°	41.3	41.8	36.0	30.1	24.3	18.5	13.9	10.8	7.5	4.4	1.2
92.5°	38.1	37.9	36.6	35.3	33.8	32.5	30.6	28.3	25.9	23.6	21.2
95°	76.4	76.4	75.9	75.3	74.9	74.3	72.7	70.0	67.4	64.7	62.1
97.5°	128.5	128.5	127.5	126.5	125.5	124.5	122.8	120.5	118.1	115.8	113.4
100°	164.8	164.8	164.0	163.2	162.4	161.6	160.2	158.0	155.9	153.8	151.7
102.5°	204.2	204.0	203.0	201.9	201.0	199.9	198.6	196.9	195.2	193.5	191.8
105°	263.2	262.8	262.2	261.7	261.2	260.6	259.9	259.1	258.3	257.5	256.7
107.5°	327.6	327.5	327.5	327.5	327.5	327.5	326.9	325.7	324.6	323.4	322.2
110°	371.5	371.5	371.5	371.5	371.5	371.5	370.6	369.0	367.4	365.8	364.2



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	415.7	416.3	416.5	416.8	416.9	417.2	416.5	414.9	413.3	411.7	410.1
115°	482.2	482.5	483.0	483.5	484.1	484.6	484.1	482.5	480.9	479.3	477.7
117.5°	547.3	548.0	549.4	550.9	552.4	553.9	553.6	551.4	549.3	547.2	545.1
120°	589.9	589.9	592.1	594.2	596.4	598.5	598.5	596.4	594.2	592.1	589.9
122.5°	635.2	635.8	637.3	638.8	640.3	641.7	641.3	638.7	636.1	633.6	631.1
125°	701.4	702.2	703.1	703.9	704.6	705.4	704.6	702.2	699.8	697.4	695.1
127.5°	765.7	766.8	767.7	768.7	769.6	770.6	769.5	766.5	763.4	760.4	757.4
130°	809.2	809.7	810.2	810.8	811.3	811.8	810.4	806.9	803.5	800.0	796.5
132.5°	852.5	853.7	853.6	853.4	853.3	853.3	851.8	849.0	846.1	843.4	840.5
135°	914.6	914.8	914.3	913.8	913.2	912.7	910.9	908.0	905.1	902.2	899.3
137.5°	974.8	975.0	974.3	973.6	973.0	972.2	970.7	968.3	965.9	963.5	961.2
140°	1015.1	1015.1	1013.8	1012.5	1011.1	1009.8	1008.0	1005.6	1003.2	1000.8	998.4
142.5°	1051.6	1051.5	1050.5	1049.6	1048.7	1047.8	1046.2	1043.8	1041.4	1039.0	1036.6
145°	1107.3	1107.1	1105.5	1103.9	1102.3	1100.7	1099.0	1097.1	1095.3	1093.4	1091.5
147.5°	1156.0	1155.3	1154.3	1153.2	1152.1	1151.1	1149.5	1147.2	1144.9	1142.7	1140.5
150°	1186.7	1185.9	1184.9	1183.8	1182.7	1181.6	1180.4	1178.8	1177.2	1175.5	1173.9
152.5°	1217.5	1216.5	1215.2	1213.9	1212.7	1211.4	1210.0	1208.3	1206.7	1205.1	1203.6
155°	1256.5	1255.1	1254.3	1253.5	1252.8	1252.0	1251.2	1250.4	1249.6	1248.8	1248.0
157.5°	1292.3	1290.5	1290.1	1289.6	1289.1	1288.6	1288.1	1287.6	1287.1	1286.5	1285.9
160°	1314.1	1312.5	1312.2	1311.9	1311.7	1311.5	1311.1	1310.5	1310.0	1309.5	1308.9
162.5°	1333.4	1331.6	1331.3	1331.1	1330.8	1330.5	1330.4	1330.2	1330.2	1330.1	1329.9
165°	1358.5	1356.7	1356.7	1356.7	1356.7	1356.7	1356.8	1357.1	1357.3	1357.6	1357.9
167.5°	1379.3	1377.4	1377.5	1377.6	1377.6	1377.7	1378.1	1378.9	1379.7	1380.5	1381.2
170°	1390.8	1388.9	1389.2	1389.5	1389.7	1390.0	1390.5	1391.3	1392.1	1392.9	1393.7
172.5°	1399.4	1397.5	1397.8	1398.0	1398.4	1398.6	1399.2	1399.9	1400.7	1401.5	1402.3
175°	1408.7	1406.8	1407.4	1407.9	1408.4	1409.0	1409.6	1410.4	1411.2	1412.0	1412.8
177.5°	1413.6	1412.3	1412.8	1413.2	1413.6	1414.0	1414.6	1415.2	1415.9	1416.5	1417.1
180°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2



TEST NUMBER: P331610-927

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1587.9	1590.3	1598.1	1605.9	1614.6	1617.1	1621.0	1617.6	1616.5	1625.8	1632.6
5°	1592.4	1603.3	1624.6	1644.0	1660.4	1671.9	1684.1	1688.9	1698.0	1710.8	1726.6
7.5°	1587.3	1608.5	1642.0	1670.2	1701.1	1723.3	1740.7	1755.5	1773.5	1797.6	1823.9
10°	1581.4	1610.0	1650.7	1685.3	1722.9	1751.4	1775.1	1798.2	1825.0	1858.3	1892.9
12.5°	1570.8	1604.6	1655.5	1696.5	1744.8	1772.8	1804.7	1854.6	1883.2	1929.7	1978.4
15°	1549.3	1586.9	1658.0	1708.3	1763.0	1816.4	1875.3	1922.6	1970.0	1997.3	2065.9
17.5°	1517.3	1572.6	1651.3	1710.1	1779.5	1863.6	1929.8	1983.5	2038.1	2082.4	2116.8
20°	1491.6	1551.7	1641.6	1712.0	1794.5	1885.0	1960.9	2015.5	2062.9	2099.9	2121.1
22.5°	1459.0	1534.7	1622.2	1704.7	1810.1	1899.6	1979.3	2022.4	2061.9	2080.0	2088.1
25°	1407.9	1498.9	1597.8	1698.7	1817.7	1912.3	1985.2	2011.3	2022.8	2005.3	1976.1
27.5°	1352.6	1454.1	1569.8	1687.2	1813.0	1904.1	1956.3	1952.2	1932.6	1875.7	1830.1
30°	1311.3	1423.0	1547.4	1675.5	1801.8	1890.5	1920.8	1890.5	1846.2	1782.4	1717.5
32.5°	1268.1	1383.7	1523.7	1659.1	1781.5	1859.4	1866.0	1813.8	1745.2	1672.7	1591.7
35°	1202.6	1327.7	1478.8	1622.2	1738.1	1787.2	1758.2	1665.9	1584.5	1485.6	1375.1
37.5°	1128.7	1266.8	1418.4	1568.1	1673.2	1686.0	1613.7	1516.5	1401.8	1285.5	1155.4
40°	1073.3	1219.6	1375.7	1526.9	1619.7	1606.4	1514.1	1407.2	1270.7	1128.5	1007.7
42.5°	1023.8	1170.1	1329.0	1477.3	1551.7	1515.0	1407.2	1276.1	1129.3	995.5	884.9
45°	937.9	1088.5	1251.3	1394.5	1437.0	1370.8	1228.1	1082.4	937.9	826.2	738.9
47.5°	854.7	1003.5	1164.7	1290.5	1305.6	1216.6	1060.7	910.8	786.6	695.6	633.9
50°	793.4	942.8	1102.5	1214.8	1209.9	1102.5	942.2	799.5	695.7	622.3	581.0
52.5°	738.6	879.6	1033.0	1135.1	1109.4	992.2	839.2	712.6	627.2	569.8	532.4
55°	653.2	783.8	929.5	1011.4	964.1	834.2	704.8	602.9	539.7	496.6	467.5
57.5°	568.5	690.9	815.6	866.1	813.7	693.8	586.0	512.0	464.5	432.6	413.7
60°	516.0	622.9	734.0	777.7	715.2	608.3	523.3	457.2	418.9	392.8	375.8
62.5°	463.6	559.3	664.0	687.9	630.7	540.3	465.0	410.0	378.6	355.4	339.4
65°	392.2	470.5	550.0	565.8	513.0	443.1	383.7	347.8	320.0	302.9	290.2
67.5°	321.6	384.5	440.8	453.6	407.3	358.9	315.9	284.7	265.8	251.7	240.9
70°	279.9	329.6	375.8	386.1	349.1	305.9	273.2	248.3	231.3	219.2	208.8
72.5°	235.7	277.2	315.5	322.5	292.2	259.4	232.4	212.9	197.8	190.0	180.2
75°	180.3	204.6	234.3	236.1	216.1	196.1	175.5	162.7	154.8	145.1	140.2
77.5°	127.2	146.3	163.3	166.6	154.7	141.1	129.5	119.5	112.8	108.3	103.8
80°	97.1	112.3	119.6	123.8	115.3	105.6	98.9	92.3	88.0	85.0	82.0
82.5°	69.5	78.8	85.6	88.9	84.3	78.4	71.8	68.0	64.7	62.2	61.1
85°	35.2	39.5	43.7	44.9	43.7	41.3	37.6	37.6	35.8	35.2	35.2
87.5°	13.0	15.6	16.2	18.3	18.2	19.4	20.6	21.3	21.9	21.4	20.8
90°	4.4	7.5	10.8	13.9	18.5	24.3	30.1	36.0	41.8	41.3	40.7
92.5°	23.6	25.9	28.3	30.6	32.5	33.8	35.3	36.6	37.9	38.1	38.2
95°	64.7	67.4	70.0	72.7	74.3	74.9	75.3	75.9	76.4	76.4	76.4
97.5°	115.8	118.1	120.5	122.8	124.5	125.5	126.5	127.5	128.5	128.5	128.5
100°	153.8	155.9	158.0	160.2	161.6	162.4	163.2	164.0	164.8	164.8	164.8
102.5°	193.5	195.2	196.9	198.6	199.9	201.0	201.9	203.0	204.0	204.2	204.4
105°	257.5	258.3	259.1	259.9	260.6	261.2	261.7	262.2	262.8	263.2	263.8
107.5°	323.4	324.6	325.7	326.9	327.5	327.5	327.5	327.5	327.5	327.6	327.9
110°	365.8	367.4	369.0	370.6	371.5	371.5	371.5	371.5	371.5	371.5	371.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	411.7	413.3	414.9	416.5	417.2	416.9	416.8	416.5	416.3	415.7	415.0
115°	479.3	480.9	482.5	484.1	484.6	484.1	483.5	483.0	482.5	482.2	482.0
117.5°	547.2	549.3	551.4	553.6	553.9	552.4	550.9	549.4	548.0	547.3	546.7
120°	592.1	594.2	596.4	598.5	598.5	596.4	594.2	592.1	589.9	589.9	589.9
122.5°	633.6	636.1	638.7	641.3	641.7	640.3	638.8	637.3	635.8	635.2	634.5
125°	697.4	699.8	702.2	704.6	705.4	704.6	703.9	703.1	702.2	701.4	700.6
127.5°	760.4	763.4	766.5	769.5	770.6	769.6	768.7	767.7	766.8	765.7	764.8
130°	800.0	803.5	806.9	810.4	811.8	811.3	810.8	810.2	809.7	809.2	808.7
132.5°	843.4	846.1	849.0	851.8	853.3	853.3	853.4	853.6	853.7	852.5	851.4
135°	902.2	905.1	908.0	910.9	912.7	913.2	913.8	914.3	914.8	914.6	914.3
137.5°	963.5	965.9	968.3	970.7	972.2	973.0	973.6	974.3	975.0	974.8	974.5
140°	1000.8	1003.2	1005.6	1008.0	1009.8	1011.1	1012.5	1013.8	1015.1	1015.1	1015.1
142.5°	1039.0	1041.4	1043.8	1046.2	1047.8	1048.7	1049.6	1050.5	1051.5	1051.6	1051.9
145°	1093.4	1095.3	1097.1	1099.0	1100.7	1102.3	1103.9	1105.5	1107.1	1107.3	1107.6
147.5°	1142.7	1144.9	1147.2	1149.5	1151.1	1152.1	1153.2	1154.3	1155.3	1156.0	1156.5
150°	1175.5	1177.2	1178.8	1180.4	1181.6	1182.7	1183.8	1184.9	1185.9	1186.7	1187.5
152.5°	1205.1	1206.7	1208.3	1210.0	1211.4	1212.7	1213.9	1215.2	1216.5	1217.5	1218.5
155°	1248.8	1249.6	1250.4	1251.2	1252.0	1252.8	1253.5	1254.3	1255.1	1256.5	1257.8
157.5°	1286.5	1287.1	1287.6	1288.1	1288.6	1289.1	1289.6	1290.1	1290.5	1292.3	1294.1
160°	1309.5	1310.0	1310.5	1311.1	1311.5	1311.7	1311.9	1312.2	1312.5	1314.1	1315.7
162.5°	1330.1	1330.2	1330.2	1330.4	1330.5	1330.8	1331.1	1331.3	1331.6	1333.4	1335.2
165°	1357.6	1357.3	1357.1	1356.8	1356.7	1356.7	1356.7	1356.7	1356.7	1358.5	1360.4
167.5°	1380.5	1379.7	1378.9	1378.1	1377.7	1377.6	1377.6	1377.5	1377.4	1379.3	1381.2
170°	1392.9	1392.1	1391.3	1390.5	1390.0	1389.7	1389.5	1389.2	1388.9	1390.8	1392.7
172.5°	1401.5	1400.7	1399.9	1399.2	1398.6	1398.4	1398.0	1397.8	1397.5	1399.4	1401.2
175°	1412.0	1411.2	1410.4	1409.6	1409.0	1408.4	1407.9	1407.4	1406.8	1408.7	1410.6
177.5°	1416.5	1415.9	1415.2	1414.6	1414.0	1413.6	1413.2	1412.8	1412.3	1413.6	1414.9
180°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1638.4	1645.2	1645.2	1646.2	1653.9	1653.0	1652.5
5°	1743.6	1753.9	1755.1	1766.0	1773.3	1770.8	1764.2
7.5°	1842.8	1861.9	1876.5	1884.7	1894.3	1900.2	1897.5
10°	1921.4	1949.4	1966.4	1977.9	1991.9	2002.2	1998.5
12.5°	1992.8	2026.1	2049.5	2069.2	2071.0	2084.2	2075.3
15°	2104.2	2139.4	2143.0	2157.6	2169.2	2167.9	2168.5
17.5°	2141.0	2152.3	2154.6	2154.9	2155.1	2150.8	2141.6
20°	2127.9	2123.6	2113.3	2105.4	2091.4	2089.6	2077.5
22.5°	2065.7	2052.2	2026.3	2009.2	1987.5	1981.8	1978.4
25°	1943.3	1913.5	1872.2	1832.8	1821.9	1800.6	1806.7
27.5°	1775.4	1729.0	1684.3	1652.3	1623.3	1591.4	1600.5
30°	1657.3	1605.1	1542.0	1493.4	1462.4	1432.1	1426.6
32.5°	1516.5	1440.0	1369.6	1326.8	1279.4	1260.2	1239.2
35°	1273.7	1199.0	1129.2	1069.1	1034.5	1007.7	983.5
37.5°	1055.3	969.3	912.9	864.3	839.2	823.9	827.8
40°	919.7	844.5	803.2	766.1	743.1	732.1	734.6
42.5°	810.0	753.6	719.6	694.3	678.0	671.9	670.5
45°	685.4	653.9	625.9	611.3	603.5	596.8	592.6
47.5°	600.4	574.6	558.9	550.2	543.4	536.5	536.4
50°	549.4	532.4	521.5	512.4	506.9	502.1	506.3
52.5°	510.6	495.0	484.1	475.9	473.9	469.5	469.4
55°	452.9	440.8	432.8	425.6	421.9	419.5	416.5
57.5°	400.4	388.9	381.6	377.0	370.1	367.7	366.7
60°	363.1	353.9	346.7	340.6	337.5	332.7	332.7
62.5°	328.5	319.5	312.7	308.0	303.1	301.1	301.6
65°	278.7	271.4	264.7	259.8	258.6	255.0	256.2
67.5°	232.7	227.9	220.9	218.2	215.9	214.0	212.5
70°	202.2	197.3	193.7	190.0	188.2	188.2	188.2
72.5°	176.4	170.6	168.4	163.8	164.9	163.0	161.0
75°	136.6	132.9	131.1	129.3	126.3	126.3	126.3
77.5°	100.5	99.4	97.3	95.3	94.6	94.0	94.2
80°	77.7	77.1	75.9	75.9	74.7	74.1	72.9
82.5°	59.7	58.1	57.4	57.0	56.7	56.6	56.3
85°	34.0	32.8	32.8	33.4	32.2	32.2	32.8
87.5°	21.2	21.1	20.5	20.6	21.2	20.7	20.8
90°	40.2	39.7	39.5	39.8	40.1	40.3	40.6
92.5°	38.3	38.4	38.5	38.5	38.6	38.7	38.7
95°	76.4	76.4	76.1	75.7	75.1	74.5	74.1
97.5°	128.5	128.5	128.5	128.4	128.3	128.3	128.3
100°	164.8	164.8	164.7	164.4	164.1	163.9	163.6
102.5°	204.6	204.9	204.8	204.5	204.3	204.0	203.7
105°	264.4	264.8	265.1	265.1	265.1	265.1	265.1
107.5°	328.1	328.3	327.8	326.6	325.3	324.2	322.9
110°	371.5	371.5	371.0	370.2	369.4	368.6	367.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	414.4	413.8	413.1	412.6	412.0	411.4	410.8
115°	481.6	481.4	480.9	480.1	479.3	478.5	477.7
117.5°	546.1	545.4	544.6	543.8	543.0	542.2	541.5
120°	589.9	589.9	589.5	588.7	588.0	587.2	586.4
122.5°	633.9	633.3	632.6	632.1	631.5	630.9	630.3
125°	699.8	699.0	698.5	698.2	698.0	697.8	697.4
127.5°	763.8	762.9	762.0	761.1	760.3	759.5	758.6
130°	808.1	807.6	806.8	805.7	804.7	803.6	802.6
132.5°	850.2	849.0	848.0	847.2	846.3	845.4	844.5
135°	914.0	913.8	913.2	912.4	911.6	910.9	910.1
137.5°	974.4	974.1	973.5	972.5	971.4	970.3	969.2
140°	1015.1	1015.1	1014.6	1013.5	1012.5	1011.4	1010.3
142.5°	1052.1	1052.3	1051.9	1050.8	1049.7	1048.7	1047.6
145°	1107.9	1108.1	1107.7	1106.7	1105.6	1104.5	1103.5
147.5°	1157.1	1157.7	1157.5	1156.4	1155.4	1154.4	1153.4
150°	1188.3	1189.1	1189.1	1188.3	1187.5	1186.7	1185.9
152.5°	1219.5	1220.5	1220.5	1219.5	1218.5	1217.5	1216.5
155°	1259.2	1260.4	1260.8	1260.0	1259.2	1258.4	1257.6
157.5°	1295.9	1297.8	1298.0	1296.7	1295.5	1294.2	1292.9
160°	1317.2	1318.8	1319.1	1318.0	1317.0	1316.0	1314.9
162.5°	1337.0	1338.8	1339.1	1337.8	1336.6	1335.3	1334.0
165°	1362.2	1364.1	1364.4	1363.0	1361.8	1360.4	1359.1
167.5°	1383.1	1384.9	1385.1	1383.8	1382.4	1381.0	1379.6
170°	1394.5	1396.4	1396.5	1394.9	1393.3	1391.7	1390.1
172.5°	1403.1	1404.9	1405.1	1403.5	1401.9	1400.3	1398.8
175°	1412.4	1414.3	1414.4	1412.8	1411.2	1409.6	1408.0
177.5°	1416.2	1417.5	1417.5	1416.2	1414.9	1413.6	1412.3
180°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2

(END OF REPORT)