

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: P331550

Luminaire Tested: **S122DIW-S675D1440U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331550
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-S675D1440U835-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 675 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: 7932.8 lumens
Efficiency: N/A
Efficacy: 116.5 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: Semi-Indirect

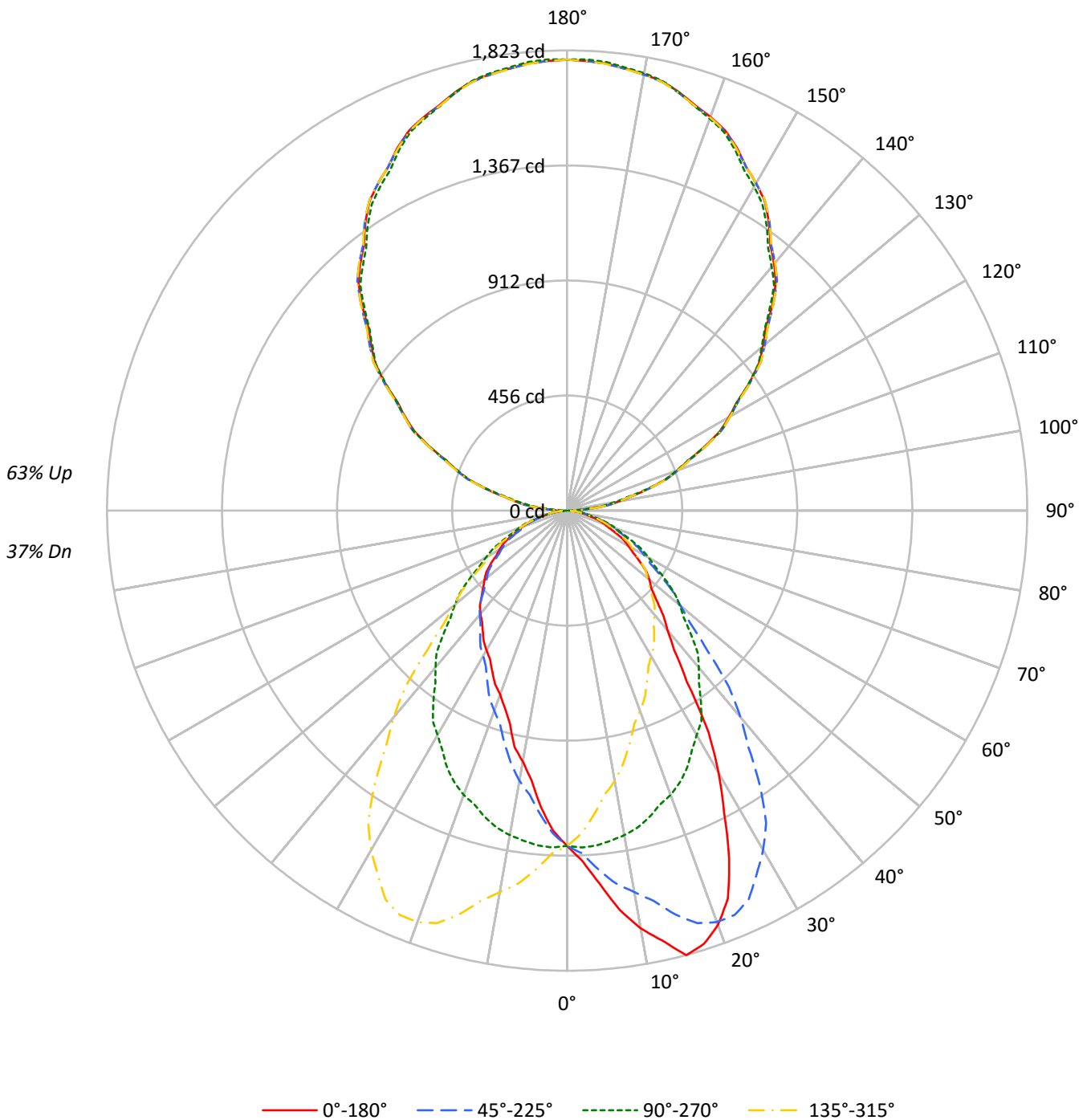
Input Watts (W): 68.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	37																												
1	95	91	87	84	86	83	80	77	67	65	63	53	51	50	40	39	38	32																												
2	87	80	74	69	79	73	68	64	59	56	53	47	44	42	35	34	32	27																												
3	80	71	64	58	72	64	58	54	53	48	45	42	39	36	32	30	28	23																												
4	73	63	55	49	66	57	51	46	47	42	38	37	34	31	28	26	24	20																												
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	23	22	18																												
6	62	50	42	37	56	46	39	34	38	33	29	30	27	24	23	21	19	16																												
7	57	45	38	32	52	42	35	30	34	29	26	28	24	21	22	19	17	14																												
8	53	41	34	29	48	38	31	27	31	26	23	25	22	19	20	17	15	13																												
9	49	38	30	25	45	35	28	24	29	24	21	23	20	17	18	16	14	12																												
10	46	34	27	23	42	32	26	21	27	22	18	22	18	16	17	15	13	11																												

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	21447	21447	21447	21447
5°	24044	21585	19128	21585
10°	27552	21408	16554	21408
15°	30479	21016	14626	21016
20°	30015	20594	13332	20594
25°	27064	20035	12513	20035
30°	22365	19140	11915	19140
35°	16301	18203	11491	18203
40°	13019	17098	11255	17098
45°	11376	15817	10933	15817
50°	10693	14579	10721	14579
55°	9858	13320	10432	13320
60°	9032	11983	9991	11983
65°	8229	10785	9555	10785
70°	7468	9616	8917	9616
75°	6625	8309	7898	8309
80°	5700	6881	6360	6881
85°	5113	5113	3779	5113



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.5	1.6
10°-20°	367.8	4.6
20°-30°	533.7	6.7
30°-40°	563.2	7.1
40°-50°	498.7	6.3
50°-60°	398.0	5.0
60°-70°	270.5	3.4
70°-80°	138.7	1.7
80°-90°	40.6	0.5
90°-100°	113.2	1.4
100°-110°	351.6	4.4
110°-120°	601.0	7.6
120°-130°	790.3	10.0
130°-140°	887.0	11.2
140°-150°	869.7	11.0
150°-160°	729.5	9.2
160°-170°	483.8	6.1
170°-180°	169.1	2.1
0°-30°	1028.0	13.0
0°-40°	1591.2	20.1
0°-60°	2487.8	31.4
0°-90°	2937.6	37.0
90°-120°	1065.7	13.4
90°-150°	3612.8	45.5
90°-180°	4995.0	63.0
0°-180°	7932.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1328	1328	1328	1328	1328	
5°	1484	1332	1180	1332	1484	148
15°	1823	1257	875	1257	1823	503
25°	1519	1125	702	1125	1519	687
35°	827	924	583	924	827	538
45°	498	693	479	693	498	392
55°	350	473	371	473	350	314
65°	215	282	250	282	215	214
75°	106	133	127	133	106	113
85°	28	28	20	28	28	32
90°	51	2	51	2	51	24
95°	94	78	94	78	94	104
105°	335	324	335	324	335	352
115°	603	603	603	603	603	596
125°	880	877	880	877	880	785
135°	1149	1135	1149	1135	1149	884
145°	1393	1378	1393	1378	1393	870
155°	1588	1575	1588	1575	1588	731
165°	1716	1714	1716	1714	1716	484
175°	1777	1783	1777	1783	1777	169
180°	1786	1786	1786	1786	1786	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3
2.5°	1389.5	1389.9	1390.8	1384.2	1383.4	1383.4	1377.7	1372.8	1367.1	1359.3	1360.1
5°	1483.5	1489.1	1491.1	1485.0	1475.8	1474.8	1466.1	1451.8	1438.5	1427.8	1420.2
7.5°	1595.6	1597.8	1592.8	1584.7	1577.9	1565.7	1549.5	1533.7	1511.5	1491.2	1476.1
10°	1680.5	1683.6	1674.9	1663.2	1653.5	1639.2	1615.7	1591.7	1562.6	1534.5	1512.0
12.5°	1745.0	1752.6	1741.5	1739.9	1723.3	1703.7	1675.7	1663.6	1622.6	1583.5	1559.4
15°	1823.4	1822.9	1824.0	1814.3	1802.0	1798.9	1769.3	1737.2	1679.5	1656.5	1616.7
17.5°	1800.8	1808.5	1812.1	1812.0	1811.7	1809.8	1800.3	1780.0	1751.1	1713.8	1667.8
20°	1746.9	1757.1	1758.6	1770.4	1777.0	1785.7	1789.2	1783.6	1765.8	1734.6	1694.8
22.5°	1663.6	1666.4	1671.2	1689.5	1703.9	1725.6	1737.0	1755.9	1749.0	1733.8	1700.5
25°	1519.2	1514.1	1532.0	1541.1	1574.3	1609.0	1634.1	1661.6	1686.1	1700.9	1691.2
27.5°	1345.8	1338.2	1364.9	1389.3	1416.3	1453.9	1492.9	1538.9	1577.2	1625.1	1641.5
30°	1199.6	1204.2	1229.8	1255.8	1296.6	1349.7	1393.6	1444.2	1498.8	1552.4	1589.6
32.5°	1042.0	1059.7	1075.8	1115.7	1151.6	1210.9	1275.2	1338.4	1406.5	1467.4	1525.1
35°	827.0	847.4	869.9	899.0	949.5	1008.2	1071.0	1156.2	1249.2	1332.4	1400.8
37.5°	696.1	692.8	705.7	726.7	767.7	815.0	887.3	971.6	1080.9	1178.7	1275.2
40°	617.7	615.6	624.8	644.2	675.4	710.1	773.4	847.4	949.0	1068.4	1183.3
42.5°	563.8	565.0	570.1	583.8	605.1	633.7	681.1	744.1	837.1	949.6	1073.0
45°	498.2	501.8	507.4	514.1	526.3	549.8	576.3	621.3	694.8	788.7	910.2
47.5°	451.1	451.2	456.9	462.7	470.0	483.2	504.9	533.0	584.9	661.4	765.8
50°	425.7	422.2	426.3	430.8	438.5	447.7	462.0	488.5	523.2	585.0	672.3
52.5°	394.7	394.8	398.5	400.2	407.1	416.2	429.3	447.7	479.1	527.4	599.2
55°	350.2	352.7	354.8	357.8	364.0	370.6	380.8	393.1	417.6	453.8	506.9
57.5°	308.3	309.1	311.2	317.0	320.9	327.0	336.7	347.8	363.8	390.6	430.5
60°	279.7	279.7	283.8	286.4	291.5	297.6	305.3	316.0	330.3	352.2	384.4
62.5°	253.6	253.2	254.8	259.0	262.9	268.6	276.3	285.4	298.8	318.3	344.8
65°	215.4	214.4	217.5	218.5	222.6	228.2	234.3	244.0	254.7	269.0	292.5
67.5°	178.7	179.9	181.5	183.5	185.7	191.6	195.7	202.6	211.6	223.5	239.4
70°	158.2	158.2	158.2	159.8	162.8	165.9	170.0	175.6	184.3	194.5	208.8
72.5°	135.4	137.0	138.6	137.7	141.6	143.4	148.3	151.5	159.8	166.3	179.0
75°	106.2	106.2	106.2	108.7	110.3	111.8	114.9	117.9	122.0	130.2	136.8
77.5°	79.2	79.0	79.5	80.1	81.8	83.6	84.5	87.3	91.1	94.8	100.5
80°	61.3	62.3	62.8	63.8	63.8	64.8	65.3	68.9	71.5	74.0	77.6
82.5°	47.4	47.6	47.7	47.9	48.3	48.9	50.2	51.4	52.3	54.4	57.2
85°	27.6	27.1	27.1	28.1	27.6	27.6	28.6	29.6	29.6	30.1	31.6
87.5°	20.9	20.8	21.1	20.7	20.6	21.0	21.2	20.9	21.4	22.0	20.9
90°	51.3	50.9	50.6	50.3	49.9	50.1	50.8	51.4	52.1	52.8	45.4
92.5°	48.8	48.8	48.7	48.6	48.6	48.5	48.3	48.2	48.1	47.9	46.2
95°	93.5	94.1	94.8	95.5	96.1	96.5	96.5	96.5	96.5	96.5	95.8
97.5°	161.9	162.0	162.0	162.1	162.2	162.2	162.2	162.2	162.2	162.2	160.9
100°	206.5	206.9	207.2	207.5	207.9	208.0	208.0	208.0	208.0	208.0	207.0
102.5°	257.2	257.5	257.9	258.2	258.5	258.6	258.3	258.0	257.8	257.5	256.2
105°	334.7	334.7	334.7	334.7	334.7	334.3	333.7	333.0	332.3	331.7	331.0
107.5°	407.6	409.2	410.7	412.3	413.8	414.4	414.2	413.9	413.6	413.4	413.4
110°	464.3	465.3	466.3	467.3	468.3	468.9	468.9	468.9	468.9	468.9	468.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	518.6	519.3	520.1	520.8	521.5	522.3	523.1	523.9	524.7	525.5	525.8
115°	603.0	604.0	605.0	606.0	607.0	607.7	608.0	608.4	608.7	609.1	609.7
117.5°	683.5	684.5	685.5	686.5	687.5	688.5	689.3	690.1	690.9	691.7	693.5
120°	740.2	741.2	742.2	743.2	744.2	744.7	744.7	744.7	744.7	744.7	747.4
122.5°	795.7	796.4	797.2	797.9	798.6	799.4	800.2	801.0	801.8	802.6	804.5
125°	880.4	880.8	881.1	881.4	881.8	882.4	883.4	884.4	885.4	886.4	887.5
127.5°	957.6	958.7	959.7	960.8	961.9	963.0	964.2	965.4	966.6	967.9	969.1
130°	1013.1	1014.4	1015.8	1017.1	1018.4	1019.4	1020.1	1020.8	1021.5	1022.1	1022.8
132.5°	1066.1	1067.2	1068.3	1069.4	1070.4	1071.7	1073.2	1074.7	1076.1	1077.6	1077.5
135°	1148.8	1149.8	1150.8	1151.8	1152.8	1153.5	1153.8	1154.1	1154.5	1154.8	1154.1
137.5°	1223.5	1224.9	1226.2	1227.6	1228.9	1229.7	1230.0	1230.2	1230.5	1230.8	1229.9
140°	1275.4	1276.7	1278.1	1279.4	1280.8	1281.4	1281.4	1281.4	1281.4	1281.4	1279.8
142.5°	1322.4	1323.8	1325.1	1326.5	1327.8	1328.3	1328.1	1327.8	1327.5	1327.3	1326.1
145°	1393.0	1394.3	1395.7	1397.0	1398.3	1398.8	1398.5	1398.2	1397.8	1397.5	1395.5
147.5°	1456.0	1457.3	1458.5	1459.8	1461.1	1461.4	1460.6	1459.9	1459.2	1458.4	1457.1
150°	1497.0	1498.0	1499.0	1500.0	1501.0	1501.0	1500.0	1499.0	1498.0	1497.0	1495.7
152.5°	1535.6	1536.9	1538.1	1539.4	1540.7	1540.7	1539.4	1538.1	1536.9	1535.6	1534.0
155°	1587.5	1588.5	1589.5	1590.5	1591.5	1591.1	1589.5	1587.8	1586.1	1584.4	1583.4
157.5°	1632.1	1633.7	1635.3	1636.9	1638.5	1638.2	1635.9	1633.6	1631.3	1629.1	1628.5
160°	1659.8	1661.2	1662.5	1663.8	1665.2	1664.8	1662.8	1660.8	1658.8	1656.8	1656.5
162.5°	1683.9	1685.6	1687.2	1688.8	1690.4	1690.0	1687.8	1685.5	1683.2	1680.9	1680.6
165°	1715.6	1717.3	1719.0	1720.6	1722.3	1722.0	1719.6	1717.3	1714.9	1712.6	1712.6
167.5°	1741.5	1743.3	1745.0	1746.8	1748.5	1748.2	1745.9	1743.5	1741.2	1738.8	1738.9
170°	1754.8	1756.8	1758.8	1760.8	1762.8	1762.7	1760.3	1758.0	1755.6	1753.3	1753.6
172.5°	1765.7	1767.7	1769.7	1771.7	1773.7	1773.5	1771.2	1768.8	1766.5	1764.1	1764.5
175°	1777.4	1779.4	1781.4	1783.4	1785.5	1785.3	1782.9	1780.6	1778.3	1775.9	1776.6
177.5°	1782.8	1784.4	1786.1	1787.7	1789.3	1789.3	1787.7	1786.1	1784.4	1782.8	1783.4
180°	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3
2.5°	1363.0	1359.7	1357.7	1350.3	1343.8	1337.3	1335.2	1336.0	1327.1	1318.5	1314.8
5°	1416.1	1405.9	1396.2	1382.4	1366.1	1348.2	1339.0	1331.8	1314.0	1294.6	1283.4
7.5°	1463.7	1449.1	1430.4	1404.4	1380.7	1352.6	1334.7	1318.9	1292.7	1265.4	1248.6
10°	1492.7	1472.7	1448.7	1417.1	1388.0	1353.8	1329.8	1305.8	1275.2	1242.5	1222.1
12.5°	1517.6	1490.7	1467.1	1426.5	1392.1	1349.3	1320.8	1287.0	1254.8	1216.0	1196.0
15°	1576.9	1527.4	1482.4	1436.5	1394.1	1334.4	1302.8	1257.3	1214.9	1167.0	1144.0
17.5°	1622.7	1567.1	1496.3	1437.9	1388.5	1322.4	1275.9	1221.5	1171.4	1116.5	1085.3
20°	1648.9	1585.0	1509.0	1439.6	1380.3	1304.8	1254.3	1198.6	1139.9	1078.1	1044.4
22.5°	1664.4	1597.3	1522.1	1433.4	1364.0	1290.5	1226.9	1165.9	1106.4	1039.8	1004.4
25°	1669.3	1608.0	1528.4	1428.3	1343.6	1260.4	1183.8	1124.6	1052.6	990.3	938.8
27.5°	1645.0	1601.1	1524.5	1418.7	1320.0	1222.7	1137.4	1070.3	994.3	926.7	874.9
30°	1615.2	1589.6	1515.1	1408.9	1301.2	1196.6	1102.6	1026.6	951.0	882.6	829.5
32.5°	1569.0	1563.5	1498.0	1395.0	1281.2	1163.5	1066.3	989.4	905.7	838.5	787.9
35°	1478.4	1502.9	1461.5	1364.0	1243.5	1116.4	1011.3	923.5	836.7	772.4	724.9
37.5°	1356.9	1417.7	1406.9	1318.6	1192.7	1065.2	949.1	857.3	774.6	709.7	663.1
40°	1273.1	1350.7	1362.0	1283.9	1156.8	1025.6	902.5	811.2	730.5	671.3	624.3
42.5°	1183.3	1274.0	1304.8	1242.2	1117.5	983.9	860.9	766.2	686.4	628.8	587.2
45°	1032.7	1152.7	1208.3	1172.6	1052.1	915.3	788.7	692.7	620.2	566.1	534.0
47.5°	891.9	1023.0	1097.8	1085.2	979.3	843.8	718.7	626.6	556.0	512.8	484.0
50°	792.3	927.0	1017.4	1021.5	927.0	792.8	667.2	580.4	515.6	475.3	451.8
52.5°	705.7	834.3	932.9	954.5	868.6	739.7	621.1	534.7	477.6	440.5	419.5
55°	592.7	701.4	810.6	850.5	781.5	659.0	549.3	473.2	419.6	394.1	375.7
57.5°	492.7	583.4	684.3	728.3	685.8	580.9	478.0	412.0	368.5	346.1	332.0
60°	440.0	511.5	601.3	653.9	617.2	523.8	433.9	371.1	335.4	315.5	302.2
62.5°	391.0	454.3	530.3	578.4	558.4	470.3	389.8	334.4	303.5	284.8	275.3
65°	322.6	372.7	431.4	475.8	462.5	395.6	329.8	282.3	257.8	243.0	235.3
67.5°	265.7	301.8	342.5	381.4	370.7	323.3	270.5	233.5	215.2	202.5	197.9
70°	229.7	257.3	293.5	324.7	316.0	277.2	235.3	203.7	187.9	177.1	172.5
72.5°	195.4	218.1	245.7	271.2	265.3	233.1	198.2	174.3	162.1	152.2	148.4
75°	147.5	164.9	181.7	198.6	197.0	172.0	151.6	133.2	123.5	115.9	114.3
77.5°	108.9	118.6	130.1	140.1	137.3	123.0	107.0	96.5	89.3	84.2	83.4
80°	83.2	88.8	97.0	104.1	100.6	94.4	81.7	74.0	68.9	63.8	61.8
82.5°	60.3	66.0	70.9	74.7	72.0	66.3	58.4	53.2	50.1	46.7	45.8
85°	31.6	34.7	36.8	37.8	36.8	33.2	29.6	27.6	25.0	23.5	23.0
87.5°	19.9	18.4	16.9	16.6	14.6	13.8	11.3	9.3	9.7	10.1	10.1
90°	38.0	30.7	23.3	17.6	13.6	9.5	5.5	1.5	5.5	9.5	13.6
92.5°	44.5	42.7	41.0	38.6	35.7	32.7	29.8	26.8	29.8	32.7	35.7
95°	95.1	94.5	93.8	91.8	88.4	85.1	81.7	78.4	81.7	85.1	88.4
97.5°	159.7	158.4	157.1	155.0	152.1	149.1	146.2	143.2	146.2	149.1	152.1
100°	206.0	205.0	204.0	202.2	199.5	196.8	194.1	191.5	194.1	196.8	199.5
102.5°	254.9	253.7	252.4	250.7	248.5	246.4	244.3	242.1	244.3	246.4	248.5
105°	330.3	329.7	329.0	328.1	327.1	326.1	325.1	324.1	325.1	326.1	327.1
107.5°	413.4	413.4	413.4	412.6	411.2	409.7	408.2	406.7	408.2	409.7	411.2
110°	468.9	468.9	468.9	467.8	465.8	463.8	461.8	459.8	461.8	463.8	465.8



TEST NUMBER: P331550

CATALOG NUMBER: S122DIW-S675D1440U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	526.1	526.3	526.6	525.7	523.7	521.7	519.7	517.7	519.7	521.7	523.7
115°	610.4	611.1	611.7	611.1	609.1	607.0	605.0	603.0	605.0	607.0	609.1
117.5°	695.4	697.3	699.2	698.8	696.1	693.4	690.7	688.1	690.7	693.4	696.1
120°	750.1	752.8	755.5	755.5	752.8	750.1	747.4	744.7	747.4	750.1	752.8
122.5°	806.4	808.3	810.1	809.5	806.2	803.0	799.8	796.6	799.8	803.0	806.2
125°	888.5	889.5	890.5	889.5	886.4	883.4	880.4	877.4	880.4	883.4	886.4
127.5°	970.3	971.5	972.7	971.4	967.6	963.7	959.9	956.1	959.9	963.7	967.6
130°	1023.5	1024.1	1024.8	1023.0	1018.6	1014.3	1009.9	1005.5	1009.9	1014.3	1018.6
132.5°	1077.3	1077.2	1077.1	1075.2	1071.7	1068.1	1064.6	1061.0	1064.6	1068.1	1071.7
135°	1153.5	1152.8	1152.1	1149.9	1146.2	1142.6	1138.9	1135.2	1138.9	1142.6	1146.2
137.5°	1229.0	1228.2	1227.3	1225.3	1222.3	1219.3	1216.3	1213.3	1216.3	1219.3	1222.3
140°	1278.1	1276.4	1274.7	1272.4	1269.4	1266.4	1263.3	1260.3	1263.3	1266.4	1269.4
142.5°	1325.0	1323.8	1322.7	1320.6	1317.6	1314.6	1311.6	1308.6	1311.6	1314.6	1317.6
145°	1393.5	1391.5	1389.5	1387.3	1384.9	1382.6	1380.3	1377.9	1380.3	1382.6	1384.9
147.5°	1455.7	1454.4	1453.1	1451.0	1448.2	1445.3	1442.5	1439.7	1442.5	1445.3	1448.2
150°	1494.3	1493.0	1491.6	1490.0	1488.0	1486.0	1483.9	1481.9	1483.9	1486.0	1488.0
152.5°	1532.4	1530.8	1529.2	1527.4	1525.3	1523.3	1521.3	1519.3	1521.3	1523.3	1525.3
155°	1582.4	1581.4	1580.4	1579.4	1578.4	1577.4	1576.4	1575.4	1576.4	1577.4	1578.4
157.5°	1627.9	1627.3	1626.7	1626.0	1625.4	1624.7	1624.0	1623.3	1624.0	1624.7	1625.4
160°	1656.1	1655.8	1655.5	1655.0	1654.3	1653.6	1653.0	1652.3	1653.0	1653.6	1654.3
162.5°	1680.3	1679.9	1679.6	1679.4	1679.2	1679.1	1679.0	1678.8	1679.0	1679.1	1679.2
165°	1712.6	1712.6	1712.6	1712.8	1713.1	1713.4	1713.8	1714.1	1713.8	1713.4	1713.1
167.5°	1739.0	1739.0	1739.1	1739.6	1740.6	1741.6	1742.6	1743.6	1742.6	1741.6	1740.6
170°	1754.0	1754.3	1754.6	1755.3	1756.3	1757.3	1758.3	1759.3	1758.3	1757.3	1756.3
172.5°	1764.8	1765.2	1765.5	1766.2	1767.2	1768.2	1769.2	1770.2	1769.2	1768.2	1767.2
175°	1777.2	1777.9	1778.6	1779.4	1780.4	1781.4	1782.4	1783.4	1782.4	1781.4	1780.4
177.5°	1783.9	1784.4	1785.0	1785.7	1786.5	1787.3	1788.1	1788.9	1788.1	1787.3	1786.5
180°	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5



TEST NUMBER: P331550

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3
2.5°	1310.7	1308.3	1299.7	1295.2	1287.8	1280.9	1276.4	1278.5	1280.1	1279.3	1278.0
5°	1273.1	1263.4	1248.6	1235.9	1226.7	1209.8	1202.7	1199.1	1196.1	1192.5	1188.9
7.5°	1228.4	1213.1	1191.9	1173.7	1156.5	1135.6	1123.7	1116.5	1109.2	1101.1	1094.0
10°	1196.6	1175.1	1152.7	1127.1	1106.7	1087.8	1071.0	1059.8	1049.6	1039.9	1032.7
12.5°	1163.1	1138.4	1110.6	1075.7	1053.2	1026.2	1023.6	1003.8	987.9	981.9	973.5
15°	1109.8	1075.1	1039.9	998.5	980.6	956.1	940.8	925.5	911.7	902.0	899.5
17.5°	1049.2	1004.3	969.3	939.6	910.3	885.2	871.1	858.8	847.5	834.5	832.8
20°	1003.1	964.3	926.0	900.0	869.9	844.3	827.0	814.7	805.0	797.4	790.7
22.5°	959.4	916.9	881.9	853.4	823.7	803.1	789.4	777.6	769.5	761.0	754.8
25°	889.3	856.1	817.8	785.6	761.1	747.9	736.6	726.4	721.3	715.7	708.6
27.5°	827.9	791.0	755.2	730.3	708.8	697.0	689.0	682.1	677.3	674.0	670.0
30°	784.6	747.3	719.3	694.8	676.9	665.2	660.1	656.0	650.4	648.3	646.3
32.5°	743.0	709.4	685.4	664.1	647.1	639.4	634.7	631.1	626.7	624.6	620.5
35°	684.0	656.0	632.5	620.7	607.0	600.3	596.8	591.6	587.6	585.5	585.0
37.5°	628.6	604.2	588.8	573.7	567.9	563.8	558.9	555.4	554.2	553.9	553.4
40°	592.7	572.8	559.0	546.7	544.2	538.0	534.0	530.9	530.9	531.4	530.9
42.5°	560.0	542.1	530.0	519.4	516.4	512.7	508.6	508.4	509.3	511.0	509.3
45°	510.5	497.7	489.0	483.9	478.3	474.7	474.2	475.8	476.3	476.8	478.3
47.5°	464.9	456.5	448.6	443.0	440.5	439.9	439.3	442.0	444.4	445.3	447.7
50°	438.0	428.3	421.7	418.1	416.0	415.0	416.0	419.1	421.1	423.7	425.2
52.5°	407.8	400.9	396.3	393.6	392.8	393.4	393.6	397.1	400.3	401.2	402.0
55°	366.0	360.9	359.9	355.3	357.3	356.8	359.4	361.4	364.5	367.5	368.1
57.5°	324.4	320.3	317.5	317.9	318.5	320.8	322.9	326.5	329.8	333.0	333.3
60°	296.6	294.5	293.0	293.0	294.0	297.1	299.7	303.2	305.3	307.3	308.8
62.5°	271.3	269.2	267.7	268.5	271.2	273.0	276.0	277.9	279.9	282.0	282.7
65°	231.2	230.2	231.8	232.8	233.3	235.8	239.4	240.9	243.0	244.0	247.6
67.5°	194.4	194.6	194.4	195.8	198.8	199.4	202.8	206.3	206.7	208.7	211.0
70°	169.5	170.5	171.5	172.5	175.1	176.1	178.7	180.2	182.2	183.8	185.3
72.5°	146.6	146.8	147.8	147.6	149.8	152.0	154.2	155.7	157.7	159.7	161.2
75°	112.8	112.8	113.8	114.3	116.9	119.5	118.9	120.0	122.0	124.0	125.1
77.5°	82.4	81.3	82.4	82.9	83.7	85.9	86.3	87.7	90.0	89.3	90.5
80°	62.8	61.3	62.8	63.3	63.3	65.9	65.9	66.9	68.4	66.9	68.4
82.5°	44.8	44.1	45.2	45.3	46.1	46.2	47.1	47.3	48.8	48.1	48.8
85°	22.5	22.0	22.5	22.0	22.5	23.0	23.0	22.5	22.5	23.5	22.0
87.5°	10.5	11.2	12.3	13.7	14.8	15.9	15.3	15.2	15.1	14.1	14.1
90°	17.6	23.3	30.7	38.0	45.4	52.8	52.1	51.4	50.8	50.1	49.9
92.5°	38.6	41.0	42.7	44.5	46.2	47.9	48.1	48.2	48.3	48.5	48.6
95°	91.8	93.8	94.5	95.1	95.8	96.5	96.5	96.5	96.5	96.5	96.1
97.5°	155.0	157.1	158.4	159.7	160.9	162.2	162.2	162.2	162.2	162.2	162.2
100°	202.2	204.0	205.0	206.0	207.0	208.0	208.0	208.0	208.0	208.0	207.9
102.5°	250.7	252.4	253.7	254.9	256.2	257.5	257.8	258.0	258.3	258.6	258.5
105°	328.1	329.0	329.7	330.3	331.0	331.7	332.3	333.0	333.7	334.3	334.7
107.5°	412.6	413.4	413.4	413.4	413.4	413.4	413.6	413.9	414.2	414.4	413.8
110°	467.8	468.9	468.9	468.9	468.9	468.9	468.9	468.9	468.9	468.9	468.3



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	525.7	526.6	526.3	526.1	525.8	525.5	524.7	523.9	523.1	522.3	521.5
115°	611.1	611.7	611.1	610.4	609.7	609.1	608.7	608.4	608.0	607.7	607.0
117.5°	698.8	699.2	697.3	695.4	693.5	691.7	690.9	690.1	689.3	688.5	687.5
120°	755.5	755.5	752.8	750.1	747.4	744.7	744.7	744.7	744.7	744.7	744.2
122.5°	809.5	810.1	808.3	806.4	804.5	802.6	801.8	801.0	800.2	799.4	798.6
125°	889.5	890.5	889.5	888.5	887.5	886.4	885.4	884.4	883.4	882.4	881.8
127.5°	971.4	972.7	971.5	970.3	969.1	967.9	966.6	965.4	964.2	963.0	961.9
130°	1023.0	1024.8	1024.1	1023.5	1022.8	1022.1	1021.5	1020.8	1020.1	1019.4	1018.4
132.5°	1075.2	1077.1	1077.2	1077.3	1077.5	1077.6	1076.1	1074.7	1073.2	1071.7	1070.4
135°	1149.9	1152.1	1152.8	1153.5	1154.1	1154.8	1154.5	1154.1	1153.8	1153.5	1152.8
137.5°	1225.3	1227.3	1228.2	1229.0	1229.9	1230.8	1230.5	1230.2	1230.0	1229.7	1228.9
140°	1272.4	1274.7	1276.4	1278.1	1279.8	1281.4	1281.4	1281.4	1281.4	1281.4	1280.8
142.5°	1320.6	1322.7	1323.8	1325.0	1326.1	1327.3	1327.5	1327.8	1328.1	1328.3	1327.8
145°	1387.3	1389.5	1391.5	1393.5	1395.5	1397.5	1397.8	1398.2	1398.5	1398.8	1398.3
147.5°	1451.0	1453.1	1454.4	1455.7	1457.1	1458.4	1459.2	1459.9	1460.6	1461.4	1461.1
150°	1490.0	1491.6	1493.0	1494.3	1495.7	1497.0	1498.0	1499.0	1500.0	1501.0	1501.0
152.5°	1527.4	1529.2	1530.8	1532.4	1534.0	1535.6	1536.9	1538.1	1539.4	1540.7	1540.7
155°	1579.4	1580.4	1581.4	1582.4	1583.4	1584.4	1586.1	1587.8	1589.5	1591.1	1591.5
157.5°	1626.0	1626.7	1627.3	1627.9	1628.5	1629.1	1631.3	1633.6	1635.9	1638.2	1638.5
160°	1655.0	1655.5	1655.8	1656.1	1656.5	1656.8	1658.8	1660.8	1662.8	1664.8	1665.2
162.5°	1679.4	1679.6	1679.9	1680.3	1680.6	1680.9	1683.2	1685.5	1687.8	1690.0	1690.4
165°	1712.8	1712.6	1712.6	1712.6	1712.6	1712.6	1714.9	1717.3	1719.6	1722.0	1722.3
167.5°	1739.6	1739.1	1739.0	1739.0	1738.9	1738.8	1741.2	1743.5	1745.9	1748.2	1748.5
170°	1755.3	1754.6	1754.3	1754.0	1753.6	1753.3	1755.6	1758.0	1760.3	1762.7	1762.8
172.5°	1766.2	1765.5	1765.2	1764.8	1764.5	1764.1	1766.5	1768.8	1771.2	1773.5	1773.7
175°	1779.4	1778.6	1777.9	1777.2	1776.6	1775.9	1778.3	1780.6	1782.9	1785.3	1785.5
177.5°	1785.7	1785.0	1784.4	1783.9	1783.4	1782.8	1784.4	1786.1	1787.7	1789.3	1789.3
180°	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5



TEST NUMBER: P331550

CATALOG NUMBER: S122DIW-S675D1440U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3
2.5°	1274.0	1273.1	1273.1	1269.5	1273.1	1273.1	1274.0	1278.0	1279.3	1280.1	1278.5
5°	1181.8	1180.2	1177.7	1180.2	1177.7	1180.2	1181.8	1188.9	1192.5	1196.1	1199.1
7.5°	1090.6	1084.5	1083.6	1077.5	1083.6	1084.5	1090.6	1094.0	1101.1	1109.2	1116.5
10°	1024.0	1019.9	1019.4	1009.7	1019.4	1019.9	1024.0	1032.7	1039.9	1049.6	1059.8
12.5°	973.4	963.6	965.5	959.9	965.5	963.6	973.4	973.5	981.9	987.9	1003.8
15°	885.7	885.7	883.6	875.0	883.6	885.7	885.7	899.5	902.0	911.7	925.5
17.5°	822.7	821.7	816.8	819.2	816.8	821.7	822.7	832.8	834.5	847.5	858.8
20°	785.1	782.1	775.9	775.9	775.9	782.1	785.1	790.7	797.4	805.0	814.7
22.5°	749.6	749.4	742.9	744.9	742.9	749.4	749.6	754.8	761.0	769.5	777.6
25°	708.0	704.0	700.9	702.4	700.9	704.0	708.0	708.6	715.7	721.3	726.4
27.5°	668.6	666.4	666.2	662.0	666.2	666.4	668.6	670.0	674.0	677.3	682.1
30°	645.8	640.7	641.7	639.1	641.7	640.7	645.8	646.3	648.3	650.4	656.0
32.5°	619.6	617.8	616.8	614.6	616.8	617.8	619.6	620.5	624.6	626.7	631.1
35°	584.0	584.5	582.0	583.0	582.0	584.5	584.0	585.0	585.5	587.6	591.6
37.5°	552.9	554.5	553.3	553.6	553.3	554.5	552.9	553.4	553.9	554.2	555.4
40°	532.4	532.4	532.4	534.0	532.4	532.4	532.4	530.9	531.4	530.9	530.9
42.5°	512.8	512.0	511.2	511.1	511.2	512.0	512.8	509.3	511.0	509.3	508.4
45°	479.3	480.9	481.4	478.8	481.4	480.9	479.3	478.3	476.8	476.3	475.8
47.5°	449.0	449.2	449.0	451.3	449.0	449.2	449.0	447.7	445.3	444.4	442.0
50°	427.8	426.8	427.8	426.8	427.8	426.8	427.8	425.2	423.7	421.1	419.1
52.5°	405.3	405.5	404.9	404.7	404.9	405.5	405.3	402.0	401.2	400.3	397.1
55°	370.1	371.1	370.6	370.6	370.6	371.1	370.1	368.1	367.5	364.5	361.4
57.5°	333.7	334.6	335.3	333.0	335.3	334.6	333.7	333.3	333.0	329.8	326.5
60°	308.3	310.9	310.4	309.4	310.4	310.9	308.3	308.8	307.3	305.3	303.2
62.5°	285.1	286.0	285.9	285.7	285.9	286.0	285.1	282.7	282.0	279.9	277.9
65°	249.1	250.1	248.6	250.1	248.6	250.1	249.1	247.6	244.0	243.0	240.9
67.5°	210.4	210.7	211.9	212.6	211.9	210.7	210.4	211.0	208.7	206.7	206.3
70°	186.3	185.8	187.3	188.9	187.3	185.8	186.3	185.3	183.8	182.2	180.2
72.5°	161.0	162.1	161.6	162.7	161.6	162.1	161.0	161.2	159.7	157.7	155.7
75°	124.0	125.6	125.1	126.6	125.1	125.6	124.0	125.1	124.0	122.0	120.0
77.5°	89.6	89.8	89.6	90.5	89.6	89.8	89.6	90.5	89.3	90.0	87.7
80°	68.4	67.4	66.4	68.4	66.4	67.4	68.4	68.4	66.9	68.4	66.9
82.5°	47.6	48.2	47.2	47.2	47.2	48.2	47.6	48.8	48.1	48.8	47.3
85°	22.0	21.4	20.4	20.4	20.4	21.4	22.0	22.0	23.5	22.5	22.5
87.5°	14.1	13.8	13.9	13.5	13.9	13.8	14.1	14.1	14.1	15.1	15.2
90°	50.3	50.6	50.9	51.3	50.9	50.6	50.3	49.9	50.1	50.8	51.4
92.5°	48.6	48.7	48.8	48.8	48.8	48.7	48.6	48.6	48.5	48.3	48.2
95°	95.5	94.8	94.1	93.5	94.1	94.8	95.5	96.1	96.5	96.5	96.5
97.5°	162.1	162.0	162.0	161.9	162.0	162.0	162.1	162.2	162.2	162.2	162.2
100°	207.5	207.2	206.9	206.5	206.9	207.2	207.5	207.9	208.0	208.0	208.0
102.5°	258.2	257.9	257.5	257.2	257.5	257.9	258.2	258.5	258.6	258.3	258.0
105°	334.7	334.7	334.7	334.7	334.7	334.7	334.7	334.7	334.3	333.7	333.0
107.5°	412.3	410.7	409.2	407.6	409.2	410.7	412.3	413.8	414.4	414.2	413.9
110°	467.3	466.3	465.3	464.3	465.3	466.3	467.3	468.3	468.9	468.9	468.9



TEST NUMBER: P331550

CATALOG NUMBER: S122DIW-S675D1440U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	520.8	520.1	519.3	518.6	519.3	520.1	520.8	521.5	522.3	523.1	523.9
115°	606.0	605.0	604.0	603.0	604.0	605.0	606.0	607.0	607.7	608.0	608.4
117.5°	686.5	685.5	684.5	683.5	684.5	685.5	686.5	687.5	688.5	689.3	690.1
120°	743.2	742.2	741.2	740.2	741.2	742.2	743.2	744.2	744.7	744.7	744.7
122.5°	797.9	797.2	796.4	795.7	796.4	797.2	797.9	798.6	799.4	800.2	801.0
125°	881.4	881.1	880.8	880.4	880.8	881.1	881.4	881.8	882.4	883.4	884.4
127.5°	960.8	959.7	958.7	957.6	958.7	959.7	960.8	961.9	963.0	964.2	965.4
130°	1017.1	1015.8	1014.4	1013.1	1014.4	1015.8	1017.1	1018.4	1019.4	1020.1	1020.8
132.5°	1069.4	1068.3	1067.2	1066.1	1067.2	1068.3	1069.4	1070.4	1071.7	1073.2	1074.7
135°	1151.8	1150.8	1149.8	1148.8	1149.8	1150.8	1151.8	1152.8	1153.5	1153.8	1154.1
137.5°	1227.6	1226.2	1224.9	1223.5	1224.9	1226.2	1227.6	1228.9	1229.7	1230.0	1230.2
140°	1279.4	1278.1	1276.7	1275.4	1276.7	1278.1	1279.4	1280.8	1281.4	1281.4	1281.4
142.5°	1326.5	1325.1	1323.8	1322.4	1323.8	1325.1	1326.5	1327.8	1328.3	1328.1	1327.8
145°	1397.0	1395.7	1394.3	1393.0	1394.3	1395.7	1397.0	1398.3	1398.8	1398.5	1398.2
147.5°	1459.8	1458.5	1457.3	1456.0	1457.3	1458.5	1459.8	1461.1	1461.4	1460.6	1459.9
150°	1500.0	1499.0	1498.0	1497.0	1498.0	1499.0	1500.0	1501.0	1501.0	1500.0	1499.0
152.5°	1539.4	1538.1	1536.9	1535.6	1536.9	1538.1	1539.4	1540.7	1540.7	1539.4	1538.1
155°	1590.5	1589.5	1588.5	1587.5	1588.5	1589.5	1590.5	1591.5	1591.1	1589.5	1587.8
157.5°	1636.9	1635.3	1633.7	1632.1	1633.7	1635.3	1636.9	1638.5	1638.2	1635.9	1633.6
160°	1663.8	1662.5	1661.2	1659.8	1661.2	1662.5	1663.8	1665.2	1664.8	1662.8	1660.8
162.5°	1688.8	1687.2	1685.6	1683.9	1685.6	1687.2	1688.8	1690.4	1690.0	1687.8	1685.5
165°	1720.6	1719.0	1717.3	1715.6	1717.3	1719.0	1720.6	1722.3	1722.0	1719.6	1717.3
167.5°	1746.8	1745.0	1743.3	1741.5	1743.3	1745.0	1746.8	1748.5	1748.2	1745.9	1743.5
170°	1760.8	1758.8	1756.8	1754.8	1756.8	1758.8	1760.8	1762.8	1762.7	1760.3	1758.0
172.5°	1771.7	1769.7	1767.7	1765.7	1767.7	1769.7	1771.7	1773.7	1773.5	1771.2	1768.8
175°	1783.4	1781.4	1779.4	1777.4	1779.4	1781.4	1783.4	1785.5	1785.3	1782.9	1780.6
177.5°	1787.7	1786.1	1784.4	1782.8	1784.4	1786.1	1787.7	1789.3	1789.3	1787.7	1786.1
180°	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5



TEST NUMBER: P331550

CATALOG NUMBER: S122DIW-S675D1440U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3
2.5°	1276.4	1280.9	1287.8	1295.2	1299.7	1308.3	1310.7	1314.8	1318.5	1327.1	1336.0
5°	1202.7	1209.8	1226.7	1235.9	1248.6	1263.4	1273.1	1283.4	1294.6	1314.0	1331.8
7.5°	1123.7	1135.6	1156.5	1173.7	1191.9	1213.1	1228.4	1248.6	1265.4	1292.7	1318.9
10°	1071.0	1087.8	1106.7	1127.1	1152.7	1175.1	1196.6	1222.1	1242.5	1275.2	1305.8
12.5°	1023.6	1026.2	1053.2	1075.7	1110.6	1138.4	1163.1	1196.0	1216.0	1254.8	1287.0
15°	940.8	956.1	980.6	998.5	1039.9	1075.1	1109.8	1144.0	1167.0	1214.9	1257.3
17.5°	871.1	885.2	910.3	939.6	969.3	1004.3	1049.2	1085.3	1116.5	1171.4	1221.5
20°	827.0	844.3	869.9	900.0	926.0	964.3	1003.1	1044.4	1078.1	1139.9	1198.6
22.5°	789.4	803.1	823.7	853.4	881.9	916.9	959.4	1004.4	1039.8	1106.4	1165.9
25°	736.6	747.9	761.1	785.6	817.8	856.1	889.3	938.8	990.3	1052.6	1124.6
27.5°	689.0	697.0	708.8	730.3	755.2	791.0	827.9	874.9	926.7	994.3	1070.3
30°	660.1	665.2	676.9	694.8	719.3	747.3	784.6	829.5	882.6	951.0	1026.6
32.5°	634.7	639.4	647.1	664.1	685.4	709.4	743.0	787.9	838.5	905.7	989.4
35°	596.8	600.3	607.0	620.7	632.5	656.0	684.0	724.9	772.4	836.7	923.5
37.5°	558.9	563.8	567.9	573.7	588.8	604.2	628.6	663.1	709.7	774.6	857.3
40°	534.0	538.0	544.2	546.7	559.0	572.8	592.7	624.3	671.3	730.5	811.2
42.5°	508.6	512.7	516.4	519.4	530.0	542.1	560.0	587.2	628.8	686.4	766.2
45°	474.2	474.7	478.3	483.9	489.0	497.7	510.5	534.0	566.1	620.2	692.7
47.5°	439.3	439.9	440.5	443.0	448.6	456.5	464.9	484.0	512.8	556.0	626.6
50°	416.0	415.0	416.0	418.1	421.7	428.3	438.0	451.8	475.3	515.6	580.4
52.5°	393.6	393.4	392.8	393.6	396.3	400.9	407.8	419.5	440.5	477.6	534.7
55°	359.4	356.8	357.3	355.3	359.9	360.9	366.0	375.7	394.1	419.6	473.2
57.5°	322.9	320.8	318.5	317.9	317.5	320.3	324.4	332.0	346.1	368.5	412.0
60°	299.7	297.1	294.0	293.0	293.0	294.5	296.6	302.2	315.5	335.4	371.1
62.5°	276.0	273.0	271.2	268.5	267.7	269.2	271.3	275.3	284.8	303.5	334.4
65°	239.4	235.8	233.3	232.8	231.8	230.2	231.2	235.3	243.0	257.8	282.3
67.5°	202.8	199.4	198.8	195.8	194.4	194.6	194.4	197.9	202.5	215.2	233.5
70°	178.7	176.1	175.1	172.5	171.5	170.5	169.5	172.5	177.1	187.9	203.7
72.5°	154.2	152.0	149.8	147.6	147.8	146.8	146.6	148.4	152.2	162.1	174.3
75°	118.9	119.5	116.9	114.3	113.8	112.8	112.8	114.3	115.9	123.5	133.2
77.5°	86.3	85.9	83.7	82.9	82.4	81.3	82.4	83.4	84.2	89.3	96.5
80°	65.9	65.9	63.3	63.3	62.8	61.3	62.8	61.8	63.8	68.9	74.0
82.5°	47.1	46.2	46.1	45.3	45.2	44.1	44.8	45.8	46.7	50.1	53.2
85°	23.0	23.0	22.5	22.0	22.5	22.0	22.5	23.0	23.5	25.0	27.6
87.5°	15.3	15.9	14.8	13.7	12.3	11.2	10.5	10.1	10.1	9.7	9.3
90°	52.1	52.8	45.4	38.0	30.7	23.3	17.6	13.6	9.5	5.5	1.5
92.5°	48.1	47.9	46.2	44.5	42.7	41.0	38.6	35.7	32.7	29.8	26.8
95°	96.5	96.5	95.8	95.1	94.5	93.8	91.8	88.4	85.1	81.7	78.4
97.5°	162.2	162.2	160.9	159.7	158.4	157.1	155.0	152.1	149.1	146.2	143.2
100°	208.0	208.0	207.0	206.0	205.0	204.0	202.2	199.5	196.8	194.1	191.5
102.5°	257.8	257.5	256.2	254.9	253.7	252.4	250.7	248.5	246.4	244.3	242.1
105°	332.3	331.7	331.0	330.3	329.7	329.0	328.1	327.1	326.1	325.1	324.1
107.5°	413.6	413.4	413.4	413.4	413.4	413.4	412.6	411.2	409.7	408.2	406.7
110°	468.9	468.9	468.9	468.9	468.9	468.9	467.8	465.8	463.8	461.8	459.8



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CATALOG NUMBER: S122DIW-S675D1440U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	524.7	525.5	525.8	526.1	526.3	526.6	525.7	523.7	521.7	519.7	517.7
115°	608.7	609.1	609.7	610.4	611.1	611.7	611.1	609.1	607.0	605.0	603.0
117.5°	690.9	691.7	693.5	695.4	697.3	699.2	698.8	696.1	693.4	690.7	688.1
120°	744.7	744.7	747.4	750.1	752.8	755.5	755.5	752.8	750.1	747.4	744.7
122.5°	801.8	802.6	804.5	806.4	808.3	810.1	809.5	806.2	803.0	799.8	796.6
125°	885.4	886.4	887.5	888.5	889.5	890.5	889.5	886.4	883.4	880.4	877.4
127.5°	966.6	967.9	969.1	970.3	971.5	972.7	971.4	967.6	963.7	959.9	956.1
130°	1021.5	1022.1	1022.8	1023.5	1024.1	1024.8	1023.0	1018.6	1014.3	1009.9	1005.5
132.5°	1076.1	1077.6	1077.5	1077.3	1077.2	1077.1	1075.2	1071.7	1068.1	1064.6	1061.0
135°	1154.5	1154.8	1154.1	1153.5	1152.8	1152.1	1149.9	1146.2	1142.6	1138.9	1135.2
137.5°	1230.5	1230.8	1229.9	1229.0	1228.2	1227.3	1225.3	1222.3	1219.3	1216.3	1213.3
140°	1281.4	1281.4	1279.8	1278.1	1276.4	1274.7	1272.4	1269.4	1266.4	1263.3	1260.3
142.5°	1327.5	1327.3	1326.1	1325.0	1323.8	1322.7	1320.6	1317.6	1314.6	1311.6	1308.6
145°	1397.8	1397.5	1395.5	1393.5	1391.5	1389.5	1387.3	1384.9	1382.6	1380.3	1377.9
147.5°	1459.2	1458.4	1457.1	1455.7	1454.4	1453.1	1451.0	1448.2	1445.3	1442.5	1439.7
150°	1498.0	1497.0	1495.7	1494.3	1493.0	1491.6	1490.0	1488.0	1486.0	1483.9	1481.9
152.5°	1536.9	1535.6	1534.0	1532.4	1530.8	1529.2	1527.4	1525.3	1523.3	1521.3	1519.3
155°	1586.1	1584.4	1583.4	1582.4	1581.4	1580.4	1579.4	1578.4	1577.4	1576.4	1575.4
157.5°	1631.3	1629.1	1628.5	1627.9	1627.3	1626.7	1626.0	1625.4	1624.7	1624.0	1623.3
160°	1658.8	1656.8	1656.5	1656.1	1655.8	1655.5	1655.0	1654.3	1653.6	1653.0	1652.3
162.5°	1683.2	1680.9	1680.6	1680.3	1679.9	1679.6	1679.4	1679.2	1679.1	1679.0	1678.8
165°	1714.9	1712.6	1712.6	1712.6	1712.6	1712.6	1712.8	1713.1	1713.4	1713.8	1714.1
167.5°	1741.2	1738.8	1738.9	1739.0	1739.0	1739.1	1739.6	1740.6	1741.6	1742.6	1743.6
170°	1755.6	1753.3	1753.6	1754.0	1754.3	1754.6	1755.3	1756.3	1757.3	1758.3	1759.3
172.5°	1766.5	1764.1	1764.5	1764.8	1765.2	1765.5	1766.2	1767.2	1768.2	1769.2	1770.2
175°	1778.3	1775.9	1776.6	1777.2	1777.9	1778.6	1779.4	1780.4	1781.4	1782.4	1783.4
177.5°	1784.4	1782.8	1783.4	1783.9	1784.4	1785.0	1785.7	1786.5	1787.3	1788.1	1788.9
180°	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3
2.5°	1335.2	1337.3	1343.8	1350.3	1357.7	1359.7	1363.0	1360.1	1359.3	1367.1	1372.8
5°	1339.0	1348.2	1366.1	1382.4	1396.2	1405.9	1416.1	1420.2	1427.8	1438.5	1451.8
7.5°	1334.7	1352.6	1380.7	1404.4	1430.4	1449.1	1463.7	1476.1	1491.2	1511.5	1533.7
10°	1329.8	1353.8	1388.0	1417.1	1448.7	1472.7	1492.7	1512.0	1534.5	1562.6	1591.7
12.5°	1320.8	1349.3	1392.1	1426.5	1467.1	1490.7	1517.6	1559.4	1583.5	1622.6	1663.6
15°	1302.8	1334.4	1394.1	1436.5	1482.4	1527.4	1576.9	1616.7	1656.5	1679.5	1737.2
17.5°	1275.9	1322.4	1388.5	1437.9	1496.3	1567.1	1622.7	1667.8	1713.8	1751.1	1780.0
20°	1254.3	1304.8	1380.3	1439.6	1509.0	1585.0	1648.9	1694.8	1734.6	1765.8	1783.6
22.5°	1226.9	1290.5	1364.0	1433.4	1522.1	1597.3	1664.4	1700.5	1733.8	1749.0	1755.9
25°	1183.8	1260.4	1343.6	1428.3	1528.4	1608.0	1669.3	1691.2	1700.9	1686.1	1661.6
27.5°	1137.4	1222.7	1320.0	1418.7	1524.5	1601.1	1645.0	1641.5	1625.1	1577.2	1538.9
30°	1102.6	1196.6	1301.2	1408.9	1515.1	1589.6	1615.2	1589.6	1552.4	1498.8	1444.2
32.5°	1066.3	1163.5	1281.2	1395.0	1498.0	1563.5	1569.0	1525.1	1467.4	1406.5	1338.4
35°	1011.3	1116.4	1243.5	1364.0	1461.5	1502.9	1478.4	1400.8	1332.4	1249.2	1156.2
37.5°	949.1	1065.2	1192.7	1318.6	1406.9	1417.7	1356.9	1275.2	1178.7	1080.9	971.6
40°	902.5	1025.6	1156.8	1283.9	1362.0	1350.7	1273.1	1183.3	1068.4	949.0	847.4
42.5°	860.9	983.9	1117.5	1242.2	1304.8	1274.0	1183.3	1073.0	949.6	837.1	744.1
45°	788.7	915.3	1052.1	1172.6	1208.3	1152.7	1032.7	910.2	788.7	694.8	621.3
47.5°	718.7	843.8	979.3	1085.2	1097.8	1023.0	891.9	765.8	661.4	584.9	533.0
50°	667.2	792.8	927.0	1021.5	1017.4	927.0	792.3	672.3	585.0	523.2	488.5
52.5°	621.1	739.7	868.6	954.5	932.9	834.3	705.7	599.2	527.4	479.1	447.7
55°	549.3	659.0	781.5	850.5	810.6	701.4	592.7	506.9	453.8	417.6	393.1
57.5°	478.0	580.9	685.8	728.3	684.3	583.4	492.7	430.5	390.6	363.8	347.8
60°	433.9	523.8	617.2	653.9	601.3	511.5	440.0	384.4	352.2	330.3	316.0
62.5°	389.8	470.3	558.4	578.4	530.3	454.3	391.0	344.8	318.3	298.8	285.4
65°	329.8	395.6	462.5	475.8	431.4	372.7	322.6	292.5	269.0	254.7	244.0
67.5°	270.5	323.3	370.7	381.4	342.5	301.8	265.7	239.4	223.5	211.6	202.6
70°	235.3	277.2	316.0	324.7	293.5	257.3	229.7	208.8	194.5	184.3	175.6
72.5°	198.2	233.1	265.3	271.2	245.7	218.1	195.4	179.0	166.3	159.8	151.5
75°	151.6	172.0	197.0	198.6	181.7	164.9	147.5	136.8	130.2	122.0	117.9
77.5°	107.0	123.0	137.3	140.1	130.1	118.6	108.9	100.5	94.8	91.1	87.3
80°	81.7	94.4	100.6	104.1	97.0	88.8	83.2	77.6	74.0	71.5	68.9
82.5°	58.4	66.3	72.0	74.7	70.9	66.0	60.3	57.2	54.4	52.3	51.4
85°	29.6	33.2	36.8	37.8	36.8	34.7	31.6	31.6	30.1	29.6	29.6
87.5°	11.3	13.8	14.6	16.6	16.9	18.4	19.9	20.9	22.0	21.4	20.9
90°	5.5	9.5	13.6	17.6	23.3	30.7	38.0	45.4	52.8	52.1	51.4
92.5°	29.8	32.7	35.7	38.6	41.0	42.7	44.5	46.2	47.9	48.1	48.2
95°	81.7	85.1	88.4	91.8	93.8	94.5	95.1	95.8	96.5	96.5	96.5
97.5°	146.2	149.1	152.1	155.0	157.1	158.4	159.7	160.9	162.2	162.2	162.2
100°	194.1	196.8	199.5	202.2	204.0	205.0	206.0	207.0	208.0	208.0	208.0
102.5°	244.3	246.4	248.5	250.7	252.4	253.7	254.9	256.2	257.5	257.8	258.0
105°	325.1	326.1	327.1	328.1	329.0	329.7	330.3	331.0	331.7	332.3	333.0
107.5°	408.2	409.7	411.2	412.6	413.4	413.4	413.4	413.4	413.4	413.6	413.9
110°	461.8	463.8	465.8	467.8	468.9	468.9	468.9	468.9	468.9	468.9	468.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	519.7	521.7	523.7	525.7	526.6	526.3	526.1	525.8	525.5	524.7	523.9
115°	605.0	607.0	609.1	611.1	611.7	611.1	610.4	609.7	609.1	608.7	608.4
117.5°	690.7	693.4	696.1	698.8	699.2	697.3	695.4	693.5	691.7	690.9	690.1
120°	747.4	750.1	752.8	755.5	755.5	752.8	750.1	747.4	744.7	744.7	744.7
122.5°	799.8	803.0	806.2	809.5	810.1	808.3	806.4	804.5	802.6	801.8	801.0
125°	880.4	883.4	886.4	889.5	890.5	889.5	888.5	887.5	886.4	885.4	884.4
127.5°	959.9	963.7	967.6	971.4	972.7	971.5	970.3	969.1	967.9	966.6	965.4
130°	1009.9	1014.3	1018.6	1023.0	1024.8	1024.1	1023.5	1022.8	1022.1	1021.5	1020.8
132.5°	1064.6	1068.1	1071.7	1075.2	1077.1	1077.2	1077.3	1077.5	1077.6	1076.1	1074.7
135°	1138.9	1142.6	1146.2	1149.9	1152.1	1152.8	1153.5	1154.1	1154.8	1154.5	1154.1
137.5°	1216.3	1219.3	1222.3	1225.3	1227.3	1228.2	1229.0	1229.9	1230.8	1230.5	1230.2
140°	1263.3	1266.4	1269.4	1272.4	1274.7	1276.4	1278.1	1279.8	1281.4	1281.4	1281.4
142.5°	1311.6	1314.6	1317.6	1320.6	1322.7	1323.8	1325.0	1326.1	1327.3	1327.5	1327.8
145°	1380.3	1382.6	1384.9	1387.3	1389.5	1391.5	1393.5	1395.5	1397.5	1397.8	1398.2
147.5°	1442.5	1445.3	1448.2	1451.0	1453.1	1454.4	1455.7	1457.1	1458.4	1459.2	1459.9
150°	1483.9	1486.0	1488.0	1490.0	1491.6	1493.0	1494.3	1495.7	1497.0	1498.0	1499.0
152.5°	1521.3	1523.3	1525.3	1527.4	1529.2	1530.8	1532.4	1534.0	1535.6	1536.9	1538.1
155°	1576.4	1577.4	1578.4	1579.4	1580.4	1581.4	1582.4	1583.4	1584.4	1586.1	1587.8
157.5°	1624.0	1624.7	1625.4	1626.0	1626.7	1627.3	1627.9	1628.5	1629.1	1631.3	1633.6
160°	1653.0	1653.6	1654.3	1655.0	1655.5	1655.8	1656.1	1656.5	1656.8	1658.8	1660.8
162.5°	1679.0	1679.1	1679.2	1679.4	1679.6	1679.9	1680.3	1680.6	1680.9	1683.2	1685.5
165°	1713.8	1713.4	1713.1	1712.8	1712.6	1712.6	1712.6	1712.6	1712.6	1714.9	1717.3
167.5°	1742.6	1741.6	1740.6	1739.6	1739.1	1739.0	1739.0	1738.9	1738.8	1741.2	1743.5
170°	1758.3	1757.3	1756.3	1755.3	1754.6	1754.3	1754.0	1753.6	1753.3	1755.6	1758.0
172.5°	1769.2	1768.2	1767.2	1766.2	1765.5	1765.2	1764.8	1764.5	1764.1	1766.5	1768.8
175°	1782.4	1781.4	1780.4	1779.4	1778.6	1777.9	1777.2	1776.6	1775.9	1778.3	1780.6
177.5°	1788.1	1787.3	1786.5	1785.7	1785.0	1784.4	1783.9	1783.4	1782.8	1784.4	1786.1
180°	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3
2.5°	1377.7	1383.4	1383.4	1384.2	1390.8	1389.9	1389.5
5°	1466.1	1474.8	1475.8	1485.0	1491.1	1489.1	1483.5
7.5°	1549.5	1565.7	1577.9	1584.7	1592.8	1597.8	1595.6
10°	1615.7	1639.2	1653.5	1663.2	1674.9	1683.6	1680.5
12.5°	1675.7	1703.7	1723.3	1739.9	1741.5	1752.6	1745.0
15°	1769.3	1798.9	1802.0	1814.3	1824.0	1822.9	1823.4
17.5°	1800.3	1809.8	1811.7	1812.0	1812.1	1808.5	1800.8
20°	1789.2	1785.7	1777.0	1770.4	1758.6	1757.1	1746.9
22.5°	1737.0	1725.6	1703.9	1689.5	1671.2	1666.4	1663.6
25°	1634.1	1609.0	1574.3	1541.1	1532.0	1514.1	1519.2
27.5°	1492.9	1453.9	1416.3	1389.3	1364.9	1338.2	1345.8
30°	1393.6	1349.7	1296.6	1255.8	1229.8	1204.2	1199.6
32.5°	1275.2	1210.9	1151.6	1115.7	1075.8	1059.7	1042.0
35°	1071.0	1008.2	949.5	899.0	869.9	847.4	827.0
37.5°	887.3	815.0	767.7	726.7	705.7	692.8	696.1
40°	773.4	710.1	675.4	644.2	624.8	615.6	617.7
42.5°	681.1	633.7	605.1	583.8	570.1	565.0	563.8
45°	576.3	549.8	526.3	514.1	507.4	501.8	498.2
47.5°	504.9	483.2	470.0	462.7	456.9	451.2	451.1
50°	462.0	447.7	438.5	430.8	426.3	422.2	425.7
52.5°	429.3	416.2	407.1	400.2	398.5	394.8	394.7
55°	380.8	370.6	364.0	357.8	354.8	352.7	350.2
57.5°	336.7	327.0	320.9	317.0	311.2	309.1	308.3
60°	305.3	297.6	291.5	286.4	283.8	279.7	279.7
62.5°	276.3	268.6	262.9	259.0	254.8	253.2	253.6
65°	234.3	228.2	222.6	218.5	217.5	214.4	215.4
67.5°	195.7	191.6	185.7	183.5	181.5	179.9	178.7
70°	170.0	165.9	162.8	159.8	158.2	158.2	158.2
72.5°	148.3	143.4	141.6	137.7	138.6	137.0	135.4
75°	114.9	111.8	110.3	108.7	106.2	106.2	106.2
77.5°	84.5	83.6	81.8	80.1	79.5	79.0	79.2
80°	65.3	64.8	63.8	63.8	62.8	62.3	61.3
82.5°	50.2	48.9	48.3	47.9	47.7	47.6	47.4
85°	28.6	27.6	27.6	28.1	27.1	27.1	27.6
87.5°	21.2	21.0	20.6	20.7	21.1	20.8	20.9
90°	50.8	50.1	49.9	50.3	50.6	50.9	51.3
92.5°	48.3	48.5	48.6	48.6	48.7	48.8	48.8
95°	96.5	96.5	96.1	95.5	94.8	94.1	93.5
97.5°	162.2	162.2	162.2	162.1	162.0	162.0	161.9
100°	208.0	208.0	207.9	207.5	207.2	206.9	206.5
102.5°	258.3	258.6	258.5	258.2	257.9	257.5	257.2
105°	333.7	334.3	334.7	334.7	334.7	334.7	334.7
107.5°	414.2	414.4	413.8	412.3	410.7	409.2	407.6
110°	468.9	468.9	468.3	467.3	466.3	465.3	464.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	523.1	522.3	521.5	520.8	520.1	519.3	518.6
115°	608.0	607.7	607.0	606.0	605.0	604.0	603.0
117.5°	689.3	688.5	687.5	686.5	685.5	684.5	683.5
120°	744.7	744.7	744.2	743.2	742.2	741.2	740.2
122.5°	800.2	799.4	798.6	797.9	797.2	796.4	795.7
125°	883.4	882.4	881.8	881.4	881.1	880.8	880.4
127.5°	964.2	963.0	961.9	960.8	959.7	958.7	957.6
130°	1020.1	1019.4	1018.4	1017.1	1015.8	1014.4	1013.1
132.5°	1073.2	1071.7	1070.4	1069.4	1068.3	1067.2	1066.1
135°	1153.8	1153.5	1152.8	1151.8	1150.8	1149.8	1148.8
137.5°	1230.0	1229.7	1228.9	1227.6	1226.2	1224.9	1223.5
140°	1281.4	1281.4	1280.8	1279.4	1278.1	1276.7	1275.4
142.5°	1328.1	1328.3	1327.8	1326.5	1325.1	1323.8	1322.4
145°	1398.5	1398.8	1398.3	1397.0	1395.7	1394.3	1393.0
147.5°	1460.6	1461.4	1461.1	1459.8	1458.5	1457.3	1456.0
150°	1500.0	1501.0	1501.0	1500.0	1499.0	1498.0	1497.0
152.5°	1539.4	1540.7	1540.7	1539.4	1538.1	1536.9	1535.6
155°	1589.5	1591.1	1591.5	1590.5	1589.5	1588.5	1587.5
157.5°	1635.9	1638.2	1638.5	1636.9	1635.3	1633.7	1632.1
160°	1662.8	1664.8	1665.2	1663.8	1662.5	1661.2	1659.8
162.5°	1687.8	1690.0	1690.4	1688.8	1687.2	1685.6	1683.9
165°	1719.6	1722.0	1722.3	1720.6	1719.0	1717.3	1715.6
167.5°	1745.9	1748.2	1748.5	1746.8	1745.0	1743.3	1741.5
170°	1760.3	1762.7	1762.8	1760.8	1758.8	1756.8	1754.8
172.5°	1771.2	1773.5	1773.7	1771.7	1769.7	1767.7	1765.7
175°	1782.9	1785.3	1785.5	1783.4	1781.4	1779.4	1777.4
177.5°	1787.7	1789.3	1789.3	1787.7	1786.1	1784.4	1782.8
180°	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5	1786.5

(END OF REPORT)