

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: P331818

Luminaire Tested: **S122RDIW-S675D1240U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331818  
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: S122RDIW-S675D1240U835-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1240 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

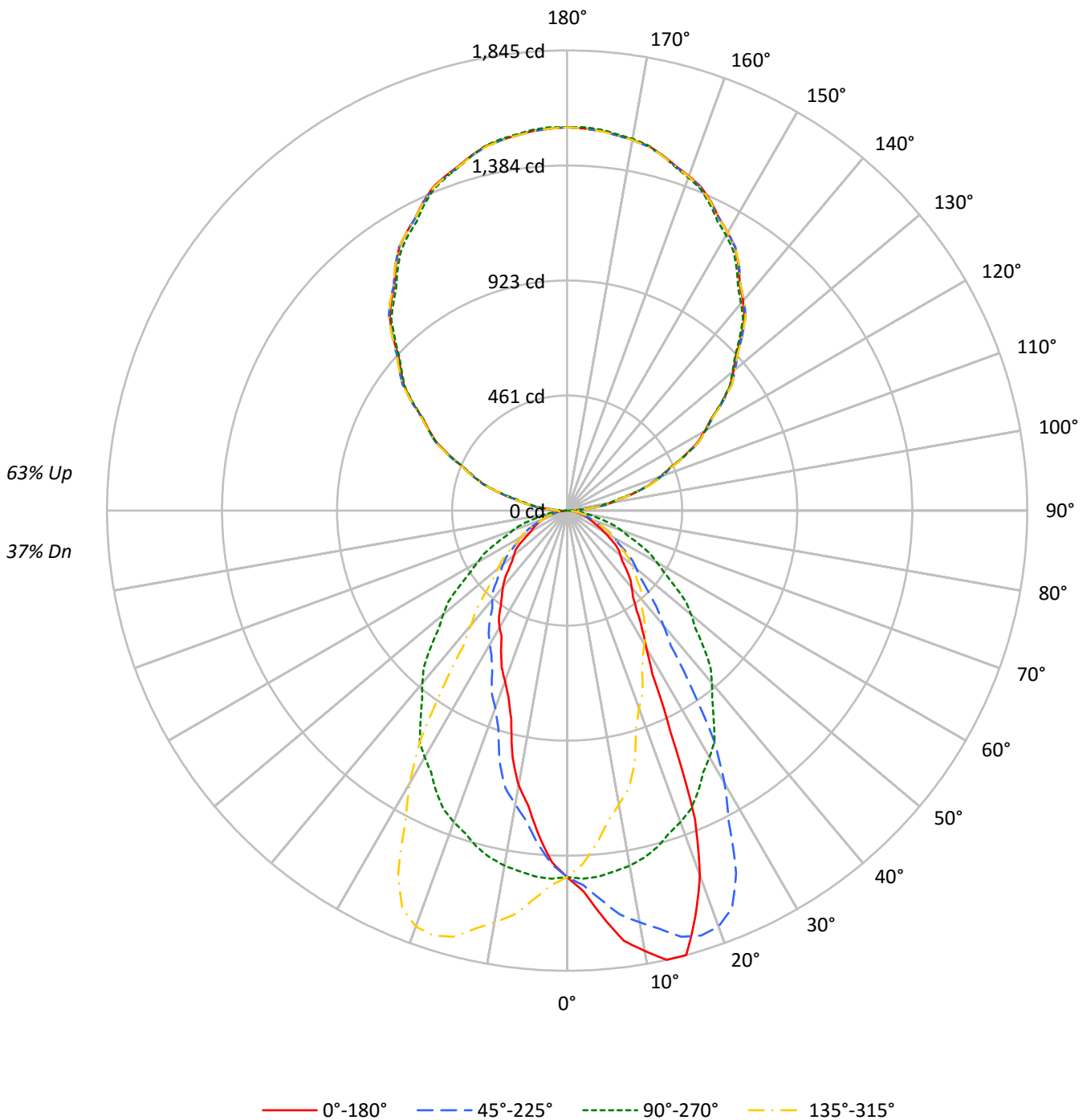
Lumens per Lamp: N/A  
Luminaire Lumens: 6841.4 lumens  
Efficiency: N/A  
Efficacy: 111.4 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 61.4  
Input Voltage (V): 120  
Input Current (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	0		
RCR																										
0	104	104	104	104	94	94	94	94	76	76	76	60	60	60	44	44	44	37								
1	95	91	88	85	86	83	80	77	68	65	64	53	52	51	40	39	38	32								
2	87	81	75	70	79	73	69	64	60	56	54	47	45	43	36	35	33	28								
3	80	71	64	59	73	65	59	55	53	49	46	43	40	37	32	31	29	25								
4	74	63	56	50	67	58	52	47	48	43	40	38	35	32	29	27	26	22								
5	68	57	49	44	61	52	45	41	43	38	34	35	31	29	27	25	23	19								
6	63	51	44	38	57	47	40	36	39	34	30	32	28	25	25	22	20	17								
7	58	46	39	34	53	43	36	31	36	31	27	29	25	23	23	20	18	16								
8	54	42	35	30	49	39	32	28	33	28	24	27	23	20	21	19	17	14								
9	50	39	32	27	46	36	29	25	30	25	22	25	21	19	20	17	15	13								
10	47	36	29	24	43	33	27	23	28	23	20	23	19	17	18	16	14	12								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	23720	23720	23720	23720
5°	26491	23869	21162	23869
10°	29391	23700	18344	23700
15°	30837	23353	14454	23353
20°	26734	22838	12507	22838
25°	17533	22133	11166	22133
30°	11801	21280	10107	21280
35°	9558	20203	9116	20203
40°	8500	19032	8435	19032
45°	7693	17657	7531	17657
50°	7001	16297	6975	16297
55°	6581	14787	6494	14787
60°	5506	13401	5438	13401
65°	4642	12168	5265	12168
70°	4291	10867	4966	10867
75°	4011	9457	4585	9457
80°	3701	7782	4082	7782
85°	3409	6150	3594	6150



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.3	2.0
10°-20°	388.0	5.7
20°-30°	500.0	7.3
30°-40°	475.2	6.9
40°-50°	407.1	6.0
50°-60°	310.0	4.5
60°-70°	196.0	2.9
70°-80°	97.9	1.4
80°-90°	31.6	0.5
90°-100°	97.4	1.4
100°-110°	302.4	4.4
110°-120°	516.9	7.6
120°-130°	679.7	9.9
130°-140°	762.9	11.2
140°-150°	748.1	10.9
150°-160°	627.4	9.2
160°-170°	416.2	6.1
170°-180°	145.5	2.1
0°-30°	1027.3	15.0
0°-40°	1502.5	22.0
0°-60°	2219.6	32.4
0°-90°	2545.0	37.2
90°-120°	916.6	13.4
90°-150°	3107.4	45.4
90°-180°	4296.0	62.8
0°-180°	6841.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1469	1469	1469	1469	1469	
5°	1634	1473	1306	1473	1634	161
15°	1845	1397	865	1397	1845	498
25°	984	1242	627	1242	984	467
35°	485	1025	462	1025	485	310
45°	337	773	330	773	337	261
55°	234	525	231	525	234	205
65°	122	318	138	318	122	124
75°	64	152	74	152	64	68
85°	18	33	19	33	18	21
90°	44	1	44	1	44	20
95°	80	67	80	67	80	90
105°	288	279	288	279	288	303
115°	519	519	519	519	519	512
125°	757	755	757	755	757	675
135°	988	976	988	976	988	761
145°	1198	1185	1198	1185	1198	748
155°	1365	1355	1365	1355	1365	628
165°	1476	1474	1476	1474	1476	416
175°	1529	1534	1529	1534	1529	145
180°	1536	1536	1536	1536	1536	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1
2.5°	1528.7	1529.9	1531.2	1528.3	1528.3	1525.8	1520.5	1516.5	1505.0	1503.4	1503.4
5°	1634.5	1633.4	1635.5	1628.9	1619.7	1617.6	1607.9	1595.2	1581.9	1567.1	1564.0
7.5°	1739.6	1738.1	1734.0	1732.9	1725.8	1710.4	1694.8	1678.2	1656.1	1634.6	1623.8
10°	1792.7	1809.6	1799.3	1781.5	1785.1	1761.1	1748.3	1726.4	1708.0	1675.8	1668.7
12.5°	1845.0	1851.6	1848.4	1838.2	1833.6	1817.0	1799.8	1780.7	1746.8	1717.9	1692.8
15°	1844.8	1854.5	1857.0	1854.0	1856.5	1855.5	1846.3	1830.5	1800.9	1769.2	1741.7
17.5°	1708.6	1715.3	1732.1	1743.4	1757.7	1787.9	1802.8	1808.6	1804.2	1786.2	1766.8
20°	1555.9	1544.6	1591.6	1615.6	1636.0	1687.0	1730.9	1747.8	1774.8	1774.3	1769.2
22.5°	1339.4	1342.1	1386.6	1415.1	1474.7	1525.7	1575.8	1639.2	1691.5	1726.1	1746.4
25°	984.2	1003.6	1048.0	1086.8	1153.1	1248.1	1334.3	1434.4	1528.8	1603.3	1674.3
27.5°	739.1	740.6	775.8	811.6	851.0	928.8	1037.4	1156.9	1291.5	1402.6	1530.4
30°	633.0	629.9	644.7	666.7	700.3	760.6	842.2	959.7	1093.9	1261.3	1410.4
32.5°	557.8	558.0	569.2	585.4	613.4	654.0	709.9	805.3	932.2	1096.8	1271.5
35°	484.9	484.4	492.6	504.3	516.1	542.1	580.4	630.4	717.7	871.3	1050.0
37.5°	432.7	434.9	438.9	446.2	459.2	473.7	496.7	530.3	592.4	683.3	833.5
40°	403.3	404.3	409.9	416.0	423.7	434.9	453.8	480.8	526.3	598.8	708.5
42.5°	376.3	377.3	381.3	387.0	393.0	404.3	419.9	443.3	480.1	536.7	627.2
45°	336.9	336.9	340.5	343.0	349.7	359.9	372.6	392.0	417.6	459.4	519.6
47.5°	299.9	300.0	302.4	306.8	311.0	318.9	331.5	347.3	365.9	398.3	449.7
50°	278.7	279.2	280.7	284.3	286.9	294.0	303.7	317.5	336.9	361.9	404.8
52.5°	261.6	261.2	263.2	264.7	266.5	271.6	278.8	291.0	308.3	330.1	365.6
55°	233.8	231.7	234.8	237.4	238.9	240.9	245.0	252.7	267.5	285.9	312.4
57.5°	199.1	198.3	200.4	202.8	207.6	213.1	216.5	221.4	229.1	242.3	268.6
60°	170.5	170.5	175.1	176.6	182.2	189.4	196.5	200.6	208.3	216.9	236.3
62.5°	145.2	145.6	147.7	149.3	152.4	161.2	171.2	180.2	187.4	195.7	208.6
65°	121.5	122.5	122.5	123.5	125.6	127.6	131.7	138.8	151.6	163.3	173.0
67.5°	103.1	103.4	103.7	104.7	105.3	107.5	109.1	112.3	115.3	126.4	138.4
70°	90.9	92.4	91.9	92.9	93.4	94.4	96.5	98.0	102.6	105.2	112.3
72.5°	79.4	80.5	80.4	81.1	82.4	82.6	84.2	85.8	88.7	90.9	94.7
75°	64.3	63.8	64.3	65.3	65.8	66.4	66.4	68.4	69.9	72.0	74.5
77.5°	49.6	50.1	50.0	50.1	50.2	51.1	51.0	52.0	53.5	54.5	55.7
80°	39.8	40.3	39.8	40.3	40.8	41.3	40.8	41.3	42.9	43.9	43.9
82.5°	30.8	30.9	31.2	31.3	31.4	31.5	32.3	32.4	33.5	33.3	33.7
85°	18.4	17.9	17.9	17.9	18.4	18.9	18.4	18.4	18.9	18.9	18.9
87.5°	15.4	15.7	15.6	15.6	15.5	15.6	15.7	16.2	15.9	16.4	14.8
90°	44.1	43.8	43.5	43.2	42.9	43.1	43.7	44.2	44.8	45.4	39.0
92.5°	42.0	42.0	41.9	41.8	41.8	41.7	41.6	41.5	41.3	41.2	39.7
95°	80.4	81.0	81.5	82.1	82.7	83.0	83.0	83.0	83.0	83.0	82.4
97.5°	139.3	139.3	139.4	139.4	139.5	139.5	139.5	139.5	139.5	139.5	138.4
100°	177.6	177.9	178.2	178.5	178.8	178.9	178.9	178.9	178.9	178.9	178.1
102.5°	221.2	221.5	221.8	222.1	222.4	222.4	222.2	221.9	221.7	221.5	220.4
105°	287.9	287.9	287.9	287.9	287.9	287.6	287.0	286.4	285.8	285.3	284.7
107.5°	350.6	351.9	353.3	354.6	355.9	356.5	356.2	356.0	355.8	355.5	355.5
110°	399.4	400.2	401.1	402.0	402.8	403.3	403.3	403.3	403.3	403.3	403.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	446.0	446.7	447.3	447.9	448.6	449.2	449.9	450.6	451.3	452.0	452.2
115°	518.7	519.5	520.4	521.3	522.1	522.7	523.0	523.3	523.6	523.8	524.4
117.5°	587.9	588.8	589.6	590.5	591.4	592.1	592.8	593.5	594.2	594.9	596.5
120°	636.7	637.5	638.4	639.2	640.1	640.5	640.5	640.5	640.5	640.5	642.8
122.5°	684.4	685.0	685.6	686.3	686.9	687.6	688.3	689.0	689.6	690.3	691.9
125°	757.2	757.5	757.8	758.1	758.4	759.0	759.8	760.7	761.6	762.4	763.3
127.5°	823.6	824.6	825.5	826.4	827.3	828.3	829.3	830.4	831.4	832.4	833.5
130°	871.3	872.5	873.7	874.8	876.0	876.8	877.4	878.0	878.5	879.1	879.7
132.5°	917.0	917.9	918.8	919.8	920.7	921.8	923.0	924.3	925.6	926.8	926.7
135°	988.0	988.9	989.8	990.6	991.5	992.1	992.4	992.7	992.9	993.2	992.7
137.5°	1052.4	1053.5	1054.7	1055.8	1057.0	1057.7	1057.9	1058.1	1058.4	1058.6	1057.8
140°	1097.0	1098.1	1099.3	1100.4	1101.6	1102.1	1102.1	1102.1	1102.1	1102.1	1100.7
142.5°	1137.4	1138.6	1139.7	1140.9	1142.0	1142.5	1142.3	1142.0	1141.8	1141.6	1140.6
145°	1198.1	1199.3	1200.4	1201.6	1202.7	1203.1	1202.9	1202.6	1202.3	1202.0	1200.3
147.5°	1252.3	1253.4	1254.5	1255.6	1256.7	1256.9	1256.3	1255.6	1255.0	1254.4	1253.2
150°	1287.6	1288.4	1289.3	1290.2	1291.0	1291.0	1290.2	1289.3	1288.4	1287.6	1286.4
152.5°	1320.8	1321.9	1323.0	1324.0	1325.1	1325.1	1324.0	1323.0	1321.9	1320.8	1319.4
155°	1365.4	1366.2	1367.1	1368.0	1368.8	1368.5	1367.1	1365.7	1364.2	1362.8	1361.9
157.5°	1403.7	1405.1	1406.5	1407.9	1409.3	1409.0	1407.0	1405.1	1403.1	1401.2	1400.6
160°	1427.6	1428.8	1429.9	1431.1	1432.2	1431.9	1430.2	1428.5	1426.7	1425.0	1424.7
162.5°	1448.4	1449.7	1451.1	1452.5	1453.9	1453.6	1451.6	1449.7	1447.7	1445.8	1445.5
165°	1475.6	1477.0	1478.5	1479.9	1481.3	1481.1	1479.0	1477.0	1475.0	1473.0	1473.0
167.5°	1497.9	1499.4	1500.9	1502.4	1503.9	1503.6	1501.6	1499.6	1497.6	1495.5	1495.6
170°	1509.3	1511.0	1512.8	1514.5	1516.2	1516.1	1514.0	1512.0	1510.0	1508.0	1508.3
172.5°	1518.6	1520.4	1522.1	1523.8	1525.5	1525.4	1523.4	1521.4	1519.4	1517.3	1517.6
175°	1528.7	1530.5	1532.2	1533.9	1535.7	1535.5	1533.5	1531.5	1529.5	1527.4	1528.0
177.5°	1533.4	1534.8	1536.2	1537.6	1538.9	1538.9	1537.6	1536.2	1534.8	1533.4	1533.9
180°	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1
2.5°	1504.2	1500.9	1498.1	1490.7	1487.1	1478.9	1477.7	1477.3	1466.6	1456.4	1453.6
5°	1555.9	1547.7	1535.4	1521.1	1506.3	1491.0	1480.8	1472.7	1452.2	1432.8	1421.6
7.5°	1607.9	1590.4	1569.2	1542.2	1519.6	1494.3	1475.5	1458.7	1429.7	1401.9	1383.2
10°	1646.7	1618.1	1590.1	1552.8	1523.7	1495.1	1468.6	1445.6	1412.9	1376.2	1350.1
12.5°	1670.8	1639.4	1600.7	1564.2	1526.6	1490.2	1454.7	1425.2	1386.8	1348.8	1317.9
15°	1703.4	1669.7	1622.7	1570.7	1522.2	1474.7	1433.9	1397.1	1347.1	1301.7	1263.9
17.5°	1730.0	1683.7	1633.2	1573.0	1516.9	1456.5	1403.9	1357.0	1301.3	1246.5	1202.0
20°	1738.6	1692.7	1634.5	1574.2	1507.9	1436.9	1380.3	1329.2	1269.5	1209.8	1158.7
22.5°	1733.3	1697.6	1632.8	1560.8	1492.8	1418.5	1354.5	1295.3	1229.1	1168.1	1108.9
25°	1697.3	1685.0	1623.8	1545.1	1467.6	1381.3	1307.3	1242.4	1166.9	1101.6	1037.2
27.5°	1613.2	1639.7	1601.7	1518.0	1431.7	1339.2	1256.0	1182.2	1103.8	1030.3	966.2
30°	1532.4	1593.1	1576.8	1499.2	1402.7	1311.9	1218.5	1141.4	1057.7	982.1	918.8
32.5°	1421.7	1522.1	1538.0	1473.1	1373.3	1273.5	1175.6	1098.9	1011.5	931.9	870.2
35°	1245.5	1395.6	1464.5	1423.1	1323.1	1215.4	1114.3	1025.0	937.2	858.6	797.3
37.5°	1035.3	1239.7	1354.5	1357.5	1265.6	1153.6	1043.6	954.9	865.0	787.8	721.6
40°	898.9	1120.4	1270.0	1303.2	1225.6	1104.6	993.3	903.0	815.2	739.6	663.6
42.5°	776.4	997.1	1181.0	1238.7	1177.0	1056.8	945.2	850.7	765.4	693.9	616.2
45°	627.9	820.8	1023.5	1126.6	1092.4	981.1	863.2	773.3	693.2	631.4	556.9
47.5°	529.6	665.6	861.7	1001.2	1000.6	899.0	783.0	697.0	622.7	564.8	504.4
50°	473.7	592.1	758.0	916.3	929.5	844.3	734.0	648.8	579.4	518.6	470.1
52.5°	423.5	521.1	670.2	821.9	859.7	785.9	678.9	600.2	532.8	477.0	435.4
55°	357.8	433.4	546.7	688.6	745.8	693.7	598.8	525.3	470.6	423.7	387.9
57.5°	302.7	359.4	450.3	564.6	631.1	598.4	520.0	460.3	413.6	371.1	342.9
60°	268.0	314.4	391.5	487.0	560.5	537.5	470.6	415.0	375.2	338.4	311.9
62.5°	235.3	275.2	341.3	418.8	486.2	476.7	422.0	375.4	340.5	307.0	284.5
65°	189.4	218.5	270.0	330.8	384.9	389.5	350.2	318.5	287.4	260.8	240.9
67.5°	150.8	169.8	206.1	257.3	297.8	312.3	288.3	264.1	239.4	218.9	201.6
70°	127.1	142.4	169.0	210.3	247.6	262.9	249.1	230.2	208.8	191.9	177.1
72.5°	103.0	117.9	137.5	167.8	199.8	216.3	211.5	198.0	180.6	166.6	152.6
75°	77.6	82.2	95.5	115.9	140.9	155.2	158.8	151.6	137.8	127.1	118.9
77.5°	57.4	60.1	66.5	77.2	93.5	106.3	111.5	110.7	101.2	94.9	87.3
80°	45.9	47.5	50.5	55.1	67.4	80.1	83.7	83.7	77.1	74.5	66.9
82.5°	34.9	36.0	37.9	40.4	46.1	57.3	61.3	62.1	57.9	54.5	48.5
85°	19.9	19.4	20.4	21.9	23.0	26.0	32.2	33.2	32.2	28.1	26.5
87.5°	13.5	12.6	11.4	10.0	9.7	9.4	10.8	12.1	11.2	10.6	10.5
90°	32.7	26.4	20.0	15.1	11.7	8.2	4.8	1.3	4.8	8.2	11.7
92.5°	38.2	36.7	35.2	33.2	30.7	28.2	25.6	23.1	25.6	28.2	30.7
95°	81.8	81.3	80.7	79.0	76.1	73.2	70.3	67.4	70.3	73.2	76.1
97.5°	137.3	136.2	135.1	133.3	130.8	128.3	125.7	123.2	125.7	128.3	130.8
100°	177.2	176.3	175.5	173.9	171.6	169.3	167.0	164.7	167.0	169.3	171.6
102.5°	219.3	218.2	217.1	215.6	213.8	211.9	210.1	208.2	210.1	211.9	213.8
105°	284.1	283.5	283.0	282.2	281.4	280.5	279.6	278.8	279.6	280.5	281.4
107.5°	355.5	355.5	355.5	354.9	353.6	352.4	351.1	349.8	351.1	352.4	353.6
110°	403.3	403.3	403.3	402.4	400.7	398.9	397.2	395.5	397.2	398.9	400.7





TEST NUMBER: P331818

CATALOG NUMBER: S122RDIW-S675D1240U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	452.5	452.7	452.9	452.2	450.5	448.7	447.0	445.3	447.0	448.7	450.5
115°	525.0	525.6	526.1	525.6	523.8	522.1	520.4	518.7	520.4	522.1	523.8
117.5°	598.1	599.7	601.4	601.0	598.7	596.4	594.1	591.8	594.1	596.4	598.7
120°	645.2	647.5	649.8	649.8	647.5	645.2	642.8	640.5	642.8	645.2	647.5
122.5°	693.6	695.2	696.8	696.2	693.4	690.7	687.9	685.1	687.9	690.7	693.4
125°	764.2	765.0	765.9	765.0	762.4	759.8	757.2	754.6	757.2	759.8	762.4
127.5°	834.5	835.6	836.6	835.5	832.2	828.9	825.6	822.3	825.6	828.9	832.2
130°	880.3	880.9	881.4	879.8	876.1	872.4	868.6	864.9	868.6	872.4	876.1
132.5°	926.6	926.5	926.4	924.8	921.7	918.7	915.6	912.6	915.6	918.7	921.7
135°	992.1	991.5	990.9	989.1	985.9	982.7	979.5	976.4	979.5	982.7	985.9
137.5°	1057.1	1056.3	1055.6	1053.9	1051.3	1048.7	1046.1	1043.5	1046.1	1048.7	1051.3
140°	1099.3	1097.8	1096.4	1094.4	1091.8	1089.2	1086.6	1084.0	1086.6	1089.2	1091.8
142.5°	1139.6	1138.6	1137.6	1135.9	1133.3	1130.7	1128.1	1125.5	1128.1	1130.7	1133.3
145°	1198.5	1196.8	1195.1	1193.2	1191.2	1189.2	1187.2	1185.1	1187.2	1189.2	1191.2
147.5°	1252.1	1250.9	1249.8	1248.0	1245.6	1243.1	1240.7	1238.3	1240.7	1243.1	1245.6
150°	1285.3	1284.1	1283.0	1281.5	1279.8	1278.1	1276.3	1274.6	1276.3	1278.1	1279.8
152.5°	1318.0	1316.6	1315.2	1313.7	1311.9	1310.2	1308.5	1306.8	1308.5	1310.2	1311.9
155°	1361.0	1360.2	1359.3	1358.5	1357.6	1356.7	1355.9	1355.0	1355.9	1356.7	1357.6
157.5°	1400.1	1399.6	1399.1	1398.5	1398.0	1397.4	1396.8	1396.2	1396.8	1397.4	1398.0
160°	1424.4	1424.1	1423.9	1423.4	1422.9	1422.3	1421.7	1421.1	1421.7	1422.3	1422.9
162.5°	1445.2	1444.9	1444.6	1444.4	1444.3	1444.2	1444.1	1443.9	1444.1	1444.2	1444.3
165°	1473.0	1473.0	1473.0	1473.1	1473.4	1473.7	1474.0	1474.3	1474.0	1473.7	1473.4
167.5°	1495.7	1495.7	1495.8	1496.2	1497.1	1498.0	1498.8	1499.7	1498.8	1498.0	1497.1
170°	1508.6	1508.9	1509.2	1509.7	1510.6	1511.5	1512.3	1513.2	1512.3	1511.5	1510.6
172.5°	1517.9	1518.2	1518.5	1519.1	1519.9	1520.8	1521.7	1522.5	1521.7	1520.8	1519.9
175°	1528.6	1529.2	1529.8	1530.5	1531.3	1532.2	1533.1	1533.9	1533.1	1532.2	1531.3
177.5°	1534.3	1534.8	1535.3	1535.8	1536.5	1537.2	1537.9	1538.6	1537.9	1537.2	1536.5
180°	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5



TEST NUMBER: P331818

CATALOG NUMBER: S122RDIW-S675D1240U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1
2.5°	1448.3	1445.4	1440.1	1431.9	1427.0	1418.4	1412.7	1416.0	1416.8	1416.0	1415.2
5°	1409.4	1398.6	1383.8	1369.5	1356.3	1342.0	1333.8	1330.2	1323.1	1319.0	1317.0
7.5°	1362.3	1343.8	1322.9	1298.0	1276.8	1254.7	1243.4	1237.7	1223.1	1215.2	1208.2
10°	1327.2	1298.1	1277.2	1244.5	1224.6	1195.5	1175.6	1176.1	1156.2	1144.9	1136.8
12.5°	1288.4	1256.4	1221.6	1192.2	1164.5	1141.2	1117.2	1107.5	1086.3	1075.5	1053.5
15°	1224.1	1186.8	1150.1	1110.2	1082.2	1045.9	1011.2	968.8	934.6	905.0	896.9
17.5°	1153.8	1107.7	1070.8	1024.1	976.0	915.0	874.8	850.2	829.6	814.0	802.3
20°	1105.6	1058.7	1019.4	948.9	884.1	842.8	813.2	794.3	772.8	756.0	746.8
22.5°	1055.0	1006.0	952.4	873.8	823.3	790.1	763.7	742.0	727.5	714.3	706.0
25°	983.1	929.5	841.2	787.1	746.3	711.6	693.2	679.9	664.6	646.7	638.6
27.5°	907.2	821.9	758.5	718.3	679.3	656.7	640.2	620.4	606.7	598.7	590.2
30°	850.4	765.2	715.7	671.8	644.2	619.2	599.8	588.6	575.3	561.5	555.9
32.5°	787.1	719.0	671.6	635.0	607.0	585.7	570.4	552.2	542.6	534.1	522.4
35°	708.5	657.0	613.6	584.0	557.4	540.1	522.2	511.5	494.1	487.0	482.4
37.5°	641.9	597.2	564.9	533.6	512.6	493.4	482.5	465.4	457.9	448.0	438.3
40°	604.4	560.5	529.3	503.8	480.3	466.0	452.3	438.5	427.2	422.7	410.9
42.5°	566.0	530.3	499.1	471.1	455.4	440.3	422.9	412.8	401.1	393.7	386.4
45°	513.0	481.4	454.8	431.8	414.5	398.7	387.4	370.6	364.0	349.1	343.0
47.5°	466.5	437.0	411.7	389.9	372.9	362.6	346.2	333.0	322.4	313.3	305.5
50°	433.4	408.9	384.4	365.0	349.7	334.9	318.0	311.4	295.0	290.4	285.9
52.5°	403.2	379.9	357.4	338.4	323.1	308.7	293.9	285.2	274.2	269.6	266.3
55°	360.9	338.4	317.0	300.1	284.8	270.0	260.8	250.1	245.0	241.4	237.4
57.5°	318.4	298.2	281.8	264.7	249.3	237.6	226.9	220.5	215.2	210.5	205.6
60°	291.5	272.1	257.3	241.4	225.6	215.9	207.8	200.1	194.0	186.8	184.8
62.5°	262.9	245.9	232.4	216.9	203.2	194.3	186.5	179.3	171.9	161.5	158.6
65°	223.6	210.3	196.0	183.3	171.0	162.3	151.1	142.9	139.9	138.8	138.3
67.5°	188.1	175.5	163.2	150.2	139.0	131.0	125.3	124.0	121.9	121.3	119.9
70°	164.4	152.6	140.4	128.1	117.4	115.9	113.8	111.8	109.2	108.2	107.2
72.5°	143.1	131.0	118.7	108.9	104.3	102.4	100.4	98.3	96.6	95.6	94.9
75°	109.7	98.5	90.4	86.8	84.2	82.7	79.6	78.1	77.1	75.5	75.0
77.5°	79.0	72.7	68.9	66.7	64.0	62.4	60.6	59.1	58.0	57.7	56.9
80°	60.2	57.2	54.6	51.6	50.5	48.5	48.0	46.5	47.0	45.4	45.4
82.5°	46.8	42.9	40.7	39.3	38.3	36.7	36.1	35.4	35.5	34.4	34.4
85°	24.0	23.0	21.9	20.9	20.9	19.4	19.9	19.4	19.4	18.4	17.9
87.5°	10.8	11.4	11.8	13.1	14.3	15.2	15.1	14.6	14.4	14.3	13.9
90°	15.1	20.0	26.4	32.7	39.0	45.4	44.8	44.2	43.7	43.1	42.9
92.5°	33.2	35.2	36.7	38.2	39.7	41.2	41.3	41.5	41.6	41.7	41.8
95°	79.0	80.7	81.3	81.8	82.4	83.0	83.0	83.0	83.0	83.0	82.7
97.5°	133.3	135.1	136.2	137.3	138.4	139.5	139.5	139.5	139.5	139.5	139.5
100°	173.9	175.5	176.3	177.2	178.1	178.9	178.9	178.9	178.9	178.9	178.8
102.5°	215.6	217.1	218.2	219.3	220.4	221.5	221.7	221.9	222.2	222.4	222.4
105°	282.2	283.0	283.5	284.1	284.7	285.3	285.8	286.4	287.0	287.6	287.9
107.5°	354.9	355.5	355.5	355.5	355.5	355.5	355.8	356.0	356.2	356.5	355.9
110°	402.4	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	403.3	402.8



TEST NUMBER: P331818

CATALOG NUMBER: S122RDIW-S675D1240U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	452.2	452.9	452.7	452.5	452.2	452.0	451.3	450.6	449.9	449.2	448.6
115°	525.6	526.1	525.6	525.0	524.4	523.8	523.6	523.3	523.0	522.7	522.1
117.5°	601.0	601.4	599.7	598.1	596.5	594.9	594.2	593.5	592.8	592.1	591.4
120°	649.8	649.8	647.5	645.2	642.8	640.5	640.5	640.5	640.5	640.5	640.1
122.5°	696.2	696.8	695.2	693.6	691.9	690.3	689.6	689.0	688.3	687.6	686.9
125°	765.0	765.9	765.0	764.2	763.3	762.4	761.6	760.7	759.8	759.0	758.4
127.5°	835.5	836.6	835.6	834.5	833.5	832.4	831.4	830.4	829.3	828.3	827.3
130°	879.8	881.4	880.9	880.3	879.7	879.1	878.5	878.0	877.4	876.8	876.0
132.5°	924.8	926.4	926.5	926.6	926.7	926.8	925.6	924.3	923.0	921.8	920.7
135°	989.1	990.9	991.5	992.1	992.7	993.2	992.9	992.7	992.4	992.1	991.5
137.5°	1053.9	1055.6	1056.3	1057.1	1057.8	1058.6	1058.4	1058.1	1057.9	1057.7	1057.0
140°	1094.4	1096.4	1097.8	1099.3	1100.7	1102.1	1102.1	1102.1	1102.1	1102.1	1101.6
142.5°	1135.9	1137.6	1138.6	1139.6	1140.6	1141.6	1141.8	1142.0	1142.3	1142.5	1142.0
145°	1193.2	1195.1	1196.8	1198.5	1200.3	1202.0	1202.3	1202.6	1202.9	1203.1	1202.7
147.5°	1248.0	1249.8	1250.9	1252.1	1253.2	1254.4	1255.0	1255.6	1256.3	1256.9	1256.7
150°	1281.5	1283.0	1284.1	1285.3	1286.4	1287.6	1288.4	1289.3	1290.2	1291.0	1291.0
152.5°	1313.7	1315.2	1316.6	1318.0	1319.4	1320.8	1321.9	1323.0	1324.0	1325.1	1325.1
155°	1358.5	1359.3	1360.2	1361.0	1361.9	1362.8	1364.2	1365.7	1367.1	1368.5	1368.8
157.5°	1398.5	1399.1	1399.6	1400.1	1400.6	1401.2	1403.1	1405.1	1407.0	1409.0	1409.3
160°	1423.4	1423.9	1424.1	1424.4	1424.7	1425.0	1426.7	1428.5	1430.2	1431.9	1432.2
162.5°	1444.4	1444.6	1444.9	1445.2	1445.5	1445.8	1447.7	1449.7	1451.6	1453.6	1453.9
165°	1473.1	1473.0	1473.0	1473.0	1473.0	1473.0	1475.0	1477.0	1479.0	1481.1	1481.3
167.5°	1496.2	1495.8	1495.7	1495.7	1495.6	1495.5	1497.6	1499.6	1501.6	1503.6	1503.9
170°	1509.7	1509.2	1508.9	1508.6	1508.3	1508.0	1510.0	1512.0	1514.0	1516.1	1516.2
172.5°	1519.1	1518.5	1518.2	1517.9	1517.6	1517.3	1519.4	1521.4	1523.4	1525.4	1525.5
175°	1530.5	1529.8	1529.2	1528.6	1528.0	1527.4	1529.5	1531.5	1533.5	1535.5	1535.7
177.5°	1535.8	1535.3	1534.8	1534.3	1533.9	1533.4	1534.8	1536.2	1537.6	1538.9	1538.9
180°	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5



TEST NUMBER: P331818

CATALOG NUMBER: S122RDIW-S675D1240U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1
2.5°	1410.7	1411.5	1410.3	1411.1	1410.3	1411.5	1410.7	1415.2	1416.0	1416.8	1416.0
5°	1314.4	1308.3	1307.3	1305.7	1307.3	1308.3	1314.4	1317.0	1319.0	1323.1	1330.2
7.5°	1199.5	1198.5	1196.0	1192.4	1196.0	1198.5	1199.5	1208.2	1215.2	1223.1	1237.7
10°	1125.5	1123.0	1122.5	1118.9	1122.5	1123.0	1125.5	1136.8	1144.9	1156.2	1176.1
12.5°	1039.0	1022.5	1020.8	1011.9	1020.8	1022.5	1039.0	1053.5	1075.5	1086.3	1107.5
15°	884.6	881.6	871.3	864.7	871.3	881.6	884.6	896.9	905.0	934.6	968.8
17.5°	796.4	786.4	783.2	781.8	783.2	786.4	796.4	802.3	814.0	829.6	850.2
20°	739.6	730.5	728.9	727.9	728.9	730.5	739.6	746.8	756.0	772.8	794.3
22.5°	700.4	690.8	686.9	683.8	686.9	690.8	700.4	706.0	714.3	727.5	742.0
25°	633.5	629.9	627.9	626.8	627.9	629.9	633.5	638.6	646.7	664.6	679.9
27.5°	581.1	573.2	571.7	569.1	571.7	573.2	581.1	590.2	598.7	606.7	620.4
30°	551.3	548.7	545.2	542.1	545.2	548.7	551.3	555.9	561.5	575.3	588.6
32.5°	516.2	514.0	510.9	509.4	510.9	514.0	516.2	522.4	534.1	542.6	552.2
35°	477.3	470.1	467.1	462.5	467.1	470.1	477.3	482.4	487.0	494.1	511.5
37.5°	436.1	432.4	428.1	429.6	428.1	432.4	436.1	438.3	448.0	457.9	465.4
40°	404.3	401.7	400.7	400.2	400.7	401.7	404.3	410.9	422.7	427.2	438.5
42.5°	379.0	371.9	369.3	369.2	369.3	371.9	379.0	386.4	393.7	401.1	412.8
45°	340.5	333.8	329.2	329.8	329.2	333.8	340.5	343.0	349.1	364.0	370.6
47.5°	301.1	300.9	298.0	298.9	298.0	300.9	301.1	305.5	313.3	322.4	333.0
50°	282.3	279.2	277.2	277.7	277.2	279.2	282.3	285.9	290.4	295.0	311.4
52.5°	264.3	261.7	260.0	262.2	260.0	261.7	264.3	266.3	269.6	274.2	285.2
55°	234.8	231.7	231.2	230.7	231.2	231.7	234.8	237.4	241.4	245.0	250.1
57.5°	201.8	199.8	196.7	195.4	196.7	199.8	201.8	205.6	210.5	215.2	220.5
60°	178.1	174.1	169.0	168.4	169.0	174.1	178.1	184.8	186.8	194.0	200.1
62.5°	156.5	155.7	154.7	154.6	154.7	155.7	156.5	158.6	161.5	171.9	179.3
65°	137.3	136.8	137.3	137.8	137.3	136.8	137.3	138.3	138.8	139.9	142.9
67.5°	119.7	118.7	117.8	118.2	117.8	118.7	119.7	119.9	121.3	121.9	124.0
70°	106.2	105.7	105.2	105.2	105.2	105.7	106.2	107.2	108.2	109.2	111.8
72.5°	93.1	93.0	92.5	92.1	92.5	93.0	93.1	94.9	95.6	96.6	98.3
75°	74.5	73.5	73.5	73.5	73.5	73.5	74.5	75.0	75.5	77.1	78.1
77.5°	56.8	56.3	55.7	55.3	55.7	56.3	56.8	56.9	57.7	58.0	59.1
80°	44.9	44.4	43.9	43.9	43.9	44.4	44.9	45.4	45.4	47.0	46.5
82.5°	34.3	33.8	33.7	33.3	33.7	33.8	34.3	34.4	34.4	35.5	35.4
85°	18.4	18.9	18.4	19.4	18.4	18.9	18.4	17.9	18.4	19.4	19.4
87.5°	14.0	13.6	14.1	13.7	14.1	13.6	14.0	13.9	14.3	14.4	14.6
90°	43.2	43.5	43.8	44.1	43.8	43.5	43.2	42.9	43.1	43.7	44.2
92.5°	41.8	41.9	42.0	42.0	42.0	41.9	41.8	41.8	41.7	41.6	41.5
95°	82.1	81.5	81.0	80.4	81.0	81.5	82.1	82.7	83.0	83.0	83.0
97.5°	139.4	139.4	139.3	139.3	139.3	139.4	139.4	139.5	139.5	139.5	139.5
100°	178.5	178.2	177.9	177.6	177.9	178.2	178.5	178.8	178.9	178.9	178.9
102.5°	222.1	221.8	221.5	221.2	221.5	221.8	222.1	222.4	222.4	222.2	221.9
105°	287.9	287.9	287.9	287.9	287.9	287.9	287.9	287.9	287.6	287.0	286.4
107.5°	354.6	353.3	351.9	350.6	351.9	353.3	354.6	355.9	356.5	356.2	356.0
110°	402.0	401.1	400.2	399.4	400.2	401.1	402.0	402.8	403.3	403.3	403.3



TEST NUMBER: P331818

CATALOG NUMBER: S122RDIW-S675D1240U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	447.9	447.3	446.7	446.0	446.7	447.3	447.9	448.6	449.2	449.9	450.6
115°	521.3	520.4	519.5	518.7	519.5	520.4	521.3	522.1	522.7	523.0	523.3
117.5°	590.5	589.6	588.8	587.9	588.8	589.6	590.5	591.4	592.1	592.8	593.5
120°	639.2	638.4	637.5	636.7	637.5	638.4	639.2	640.1	640.5	640.5	640.5
122.5°	686.3	685.6	685.0	684.4	685.0	685.6	686.3	686.9	687.6	688.3	689.0
125°	758.1	757.8	757.5	757.2	757.5	757.8	758.1	758.4	759.0	759.8	760.7
127.5°	826.4	825.5	824.6	823.6	824.6	825.5	826.4	827.3	828.3	829.3	830.4
130°	874.8	873.7	872.5	871.3	872.5	873.7	874.8	876.0	876.8	877.4	878.0
132.5°	919.8	918.8	917.9	917.0	917.9	918.8	919.8	920.7	921.8	923.0	924.3
135°	990.6	989.8	988.9	988.0	988.9	989.8	990.6	991.5	992.1	992.4	992.7
137.5°	1055.8	1054.7	1053.5	1052.4	1053.5	1054.7	1055.8	1057.0	1057.7	1057.9	1058.1
140°	1100.4	1099.3	1098.1	1097.0	1098.1	1099.3	1100.4	1101.6	1102.1	1102.1	1102.1
142.5°	1140.9	1139.7	1138.6	1137.4	1138.6	1139.7	1140.9	1142.0	1142.5	1142.3	1142.0
145°	1201.6	1200.4	1199.3	1198.1	1199.3	1200.4	1201.6	1202.7	1203.1	1202.9	1202.6
147.5°	1255.6	1254.5	1253.4	1252.3	1253.4	1254.5	1255.6	1256.7	1256.9	1256.3	1255.6
150°	1290.2	1289.3	1288.4	1287.6	1288.4	1289.3	1290.2	1291.0	1291.0	1290.2	1289.3
152.5°	1324.0	1323.0	1321.9	1320.8	1321.9	1323.0	1324.0	1325.1	1325.1	1324.0	1323.0
155°	1368.0	1367.1	1366.2	1365.4	1366.2	1367.1	1368.0	1368.8	1368.5	1367.1	1365.7
157.5°	1407.9	1406.5	1405.1	1403.7	1405.1	1406.5	1407.9	1409.3	1409.0	1407.0	1405.1
160°	1431.1	1429.9	1428.8	1427.6	1428.8	1429.9	1431.1	1432.2	1431.9	1430.2	1428.5
162.5°	1452.5	1451.1	1449.7	1448.4	1449.7	1451.1	1452.5	1453.9	1453.6	1451.6	1449.7
165°	1479.9	1478.5	1477.0	1475.6	1477.0	1478.5	1479.9	1481.3	1481.1	1479.0	1477.0
167.5°	1502.4	1500.9	1499.4	1497.9	1499.4	1500.9	1502.4	1503.9	1503.6	1501.6	1499.6
170°	1514.5	1512.8	1511.0	1509.3	1511.0	1512.8	1514.5	1516.2	1516.1	1514.0	1512.0
172.5°	1523.8	1522.1	1520.4	1518.6	1520.4	1522.1	1523.8	1525.5	1525.4	1523.4	1521.4
175°	1533.9	1532.2	1530.5	1528.7	1530.5	1532.2	1533.9	1535.7	1535.5	1533.5	1531.5
177.5°	1537.6	1536.2	1534.8	1533.4	1534.8	1536.2	1537.6	1538.9	1538.9	1537.6	1536.2
180°	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5



TEST NUMBER: P331818

CATALOG NUMBER: S122RDIW-S675D1240U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1
2.5°	1412.7	1418.4	1427.0	1431.9	1440.1	1445.4	1448.3	1453.6	1456.4	1466.6	1477.3
5°	1333.8	1342.0	1356.3	1369.5	1383.8	1398.6	1409.4	1421.6	1432.8	1452.2	1472.7
7.5°	1243.4	1254.7	1276.8	1298.0	1322.9	1343.8	1362.3	1383.2	1401.9	1429.7	1458.7
10°	1175.6	1195.5	1224.6	1244.5	1277.2	1298.1	1327.2	1350.1	1376.2	1412.9	1445.6
12.5°	1117.2	1141.2	1164.5	1192.2	1221.6	1256.4	1288.4	1317.9	1348.8	1386.8	1425.2
15°	1011.2	1045.9	1082.2	1110.2	1150.1	1186.8	1224.1	1263.9	1301.7	1347.1	1397.1
17.5°	874.8	915.0	976.0	1024.1	1070.8	1107.7	1153.8	1202.0	1246.5	1301.3	1357.0
20°	813.2	842.8	884.1	948.9	1019.4	1058.7	1105.6	1158.7	1209.8	1269.5	1329.2
22.5°	763.7	790.1	823.3	873.8	952.4	1006.0	1055.0	1108.9	1168.1	1229.1	1295.3
25°	693.2	711.6	746.3	787.1	841.2	929.5	983.1	1037.2	1101.6	1166.9	1242.4
27.5°	640.2	656.7	679.3	718.3	758.5	821.9	907.2	966.2	1030.3	1103.8	1182.2
30°	599.8	619.2	644.2	671.8	715.7	765.2	850.4	918.8	982.1	1057.7	1141.4
32.5°	570.4	585.7	607.0	635.0	671.6	719.0	787.1	870.2	931.9	1011.5	1098.9
35°	522.2	540.1	557.4	584.0	613.6	657.0	708.5	797.3	858.6	937.2	1025.0
37.5°	482.5	493.4	512.6	533.6	564.9	597.2	641.9	721.6	787.8	865.0	954.9
40°	452.3	466.0	480.3	503.8	529.3	560.5	604.4	663.6	739.6	815.2	903.0
42.5°	422.9	440.3	455.4	471.1	499.1	530.3	566.0	616.2	693.9	765.4	850.7
45°	387.4	398.7	414.5	431.8	454.8	481.4	513.0	556.9	631.4	693.2	773.3
47.5°	346.2	362.6	372.9	389.9	411.7	437.0	466.5	504.4	564.8	622.7	697.0
50°	318.0	334.9	349.7	365.0	384.4	408.9	433.4	470.1	518.6	579.4	648.8
52.5°	293.9	308.7	323.1	338.4	357.4	379.9	403.2	435.4	477.0	532.8	600.2
55°	260.8	270.0	284.8	300.1	317.0	338.4	360.9	387.9	423.7	470.6	525.3
57.5°	226.9	237.6	249.3	264.7	281.8	298.2	318.4	342.9	371.1	413.6	460.3
60°	207.8	215.9	225.6	241.4	257.3	272.1	291.5	311.9	338.4	375.2	415.0
62.5°	186.5	194.3	203.2	216.9	232.4	245.9	262.9	284.5	307.0	340.5	375.4
65°	151.1	162.3	171.0	183.3	196.0	210.3	223.6	240.9	260.8	287.4	318.5
67.5°	125.3	131.0	139.0	150.2	163.2	175.5	188.1	201.6	218.9	239.4	264.1
70°	113.8	115.9	117.4	128.1	140.4	152.6	164.4	177.1	191.9	208.8	230.2
72.5°	100.4	102.4	104.3	108.9	118.7	131.0	143.1	152.6	166.6	180.6	198.0
75°	79.6	82.7	84.2	86.8	90.4	98.5	109.7	118.9	127.1	137.8	151.6
77.5°	60.6	62.4	64.0	66.7	68.9	72.7	79.0	87.3	94.9	101.2	110.7
80°	48.0	48.5	50.5	51.6	54.6	57.2	60.2	66.9	74.5	77.1	83.7
82.5°	36.1	36.7	38.3	39.3	40.7	42.9	46.8	48.5	54.5	57.9	62.1
85°	19.9	19.4	20.9	20.9	21.9	23.0	24.0	26.5	28.1	32.2	33.2
87.5°	15.1	15.2	14.3	13.1	11.8	11.4	10.8	10.5	10.6	11.2	12.1
90°	44.8	45.4	39.0	32.7	26.4	20.0	15.1	11.7	8.2	4.8	1.3
92.5°	41.3	41.2	39.7	38.2	36.7	35.2	33.2	30.7	28.2	25.6	23.1
95°	83.0	83.0	82.4	81.8	81.3	80.7	79.0	76.1	73.2	70.3	67.4
97.5°	139.5	139.5	138.4	137.3	136.2	135.1	133.3	130.8	128.3	125.7	123.2
100°	178.9	178.9	178.1	177.2	176.3	175.5	173.9	171.6	169.3	167.0	164.7
102.5°	221.7	221.5	220.4	219.3	218.2	217.1	215.6	213.8	211.9	210.1	208.2
105°	285.8	285.3	284.7	284.1	283.5	283.0	282.2	281.4	280.5	279.6	278.8
107.5°	355.8	355.5	355.5	355.5	355.5	355.5	354.9	353.6	352.4	351.1	349.8
110°	403.3	403.3	403.3	403.3	403.3	403.3	402.4	400.7	398.9	397.2	395.5



TEST NUMBER: P331818

CATALOG NUMBER: S122RDIW-S675D1240U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	451.3	452.0	452.2	452.5	452.7	452.9	452.2	450.5	448.7	447.0	445.3
115°	523.6	523.8	524.4	525.0	525.6	526.1	525.6	523.8	522.1	520.4	518.7
117.5°	594.2	594.9	596.5	598.1	599.7	601.4	601.0	598.7	596.4	594.1	591.8
120°	640.5	640.5	642.8	645.2	647.5	649.8	649.8	647.5	645.2	642.8	640.5
122.5°	689.6	690.3	691.9	693.6	695.2	696.8	696.2	693.4	690.7	687.9	685.1
125°	761.6	762.4	763.3	764.2	765.0	765.9	765.0	762.4	759.8	757.2	754.6
127.5°	831.4	832.4	833.5	834.5	835.6	836.6	835.5	832.2	828.9	825.6	822.3
130°	878.5	879.1	879.7	880.3	880.9	881.4	879.8	876.1	872.4	868.6	864.9
132.5°	925.6	926.8	926.7	926.6	926.5	926.4	924.8	921.7	918.7	915.6	912.6
135°	992.9	993.2	992.7	992.1	991.5	990.9	989.1	985.9	982.7	979.5	976.4
137.5°	1058.4	1058.6	1057.8	1057.1	1056.3	1055.6	1053.9	1051.3	1048.7	1046.1	1043.5
140°	1102.1	1102.1	1100.7	1099.3	1097.8	1096.4	1094.4	1091.8	1089.2	1086.6	1084.0
142.5°	1141.8	1141.6	1140.6	1139.6	1138.6	1137.6	1135.9	1133.3	1130.7	1128.1	1125.5
145°	1202.3	1202.0	1200.3	1198.5	1196.8	1195.1	1193.2	1191.2	1189.2	1187.2	1185.1
147.5°	1255.0	1254.4	1253.2	1252.1	1250.9	1249.8	1248.0	1245.6	1243.1	1240.7	1238.3
150°	1288.4	1287.6	1286.4	1285.3	1284.1	1283.0	1281.5	1279.8	1278.1	1276.3	1274.6
152.5°	1321.9	1320.8	1319.4	1318.0	1316.6	1315.2	1313.7	1311.9	1310.2	1308.5	1306.8
155°	1364.2	1362.8	1361.9	1361.0	1360.2	1359.3	1358.5	1357.6	1356.7	1355.9	1355.0
157.5°	1403.1	1401.2	1400.6	1400.1	1399.6	1399.1	1398.5	1398.0	1397.4	1396.8	1396.2
160°	1426.7	1425.0	1424.7	1424.4	1424.1	1423.9	1423.4	1422.9	1422.3	1421.7	1421.1
162.5°	1447.7	1445.8	1445.5	1445.2	1444.9	1444.6	1444.4	1444.3	1444.2	1444.1	1443.9
165°	1475.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.1	1473.4	1473.7	1474.0	1474.3
167.5°	1497.6	1495.5	1495.6	1495.7	1495.7	1495.8	1496.2	1497.1	1498.0	1498.8	1499.7
170°	1510.0	1508.0	1508.3	1508.6	1508.9	1509.2	1509.7	1510.6	1511.5	1512.3	1513.2
172.5°	1519.4	1517.3	1517.6	1517.9	1518.2	1518.5	1519.1	1519.9	1520.8	1521.7	1522.5
175°	1529.5	1527.4	1528.0	1528.6	1529.2	1529.8	1530.5	1531.3	1532.2	1533.1	1533.9
177.5°	1534.8	1533.4	1533.9	1534.3	1534.8	1535.3	1535.8	1536.5	1537.2	1537.9	1538.6
180°	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5



TEST NUMBER: P331818

CATALOG NUMBER: S122RDIW-S675D1240U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1
2.5°	1477.7	1478.9	1487.1	1490.7	1498.1	1500.9	1504.2	1503.4	1503.4	1505.0	1516.5
5°	1480.8	1491.0	1506.3	1521.1	1535.4	1547.7	1555.9	1564.0	1567.1	1581.9	1595.2
7.5°	1475.5	1494.3	1519.6	1542.2	1569.2	1590.4	1607.9	1623.8	1634.6	1656.1	1678.2
10°	1468.6	1495.1	1523.7	1552.8	1590.1	1618.1	1646.7	1668.7	1675.8	1708.0	1726.4
12.5°	1454.7	1490.2	1526.6	1564.2	1600.7	1639.4	1670.8	1692.8	1717.9	1746.8	1780.7
15°	1433.9	1474.7	1522.2	1570.7	1622.7	1669.7	1703.4	1741.7	1769.2	1800.9	1830.5
17.5°	1403.9	1456.5	1516.9	1573.0	1633.2	1683.7	1730.0	1766.8	1786.2	1804.2	1808.6
20°	1380.3	1436.9	1507.9	1574.2	1634.5	1692.7	1738.6	1769.2	1774.3	1774.8	1747.8
22.5°	1354.5	1418.5	1492.8	1560.8	1632.8	1697.6	1733.3	1746.4	1726.1	1691.5	1639.2
25°	1307.3	1381.3	1467.6	1545.1	1623.8	1685.0	1697.3	1674.3	1603.3	1528.8	1434.4
27.5°	1256.0	1339.2	1431.7	1518.0	1601.7	1639.7	1613.2	1530.4	1402.6	1291.5	1156.9
30°	1218.5	1311.9	1402.7	1499.2	1576.8	1593.1	1532.4	1410.4	1261.3	1093.9	959.7
32.5°	1175.6	1273.5	1373.3	1473.1	1538.0	1522.1	1421.7	1271.5	1096.8	932.2	805.3
35°	1114.3	1215.4	1323.1	1423.1	1464.5	1395.6	1245.5	1050.0	871.3	717.7	630.4
37.5°	1043.6	1153.6	1265.6	1357.5	1354.5	1239.7	1035.3	833.5	683.3	592.4	530.3
40°	993.3	1104.6	1225.6	1303.2	1270.0	1120.4	898.9	708.5	598.8	526.3	480.8
42.5°	945.2	1056.8	1177.0	1238.7	1181.0	997.1	776.4	627.2	536.7	480.1	443.3
45°	863.2	981.1	1092.4	1126.6	1023.5	820.8	627.9	519.6	459.4	417.6	392.0
47.5°	783.0	899.0	1000.6	1001.2	861.7	665.6	529.6	449.7	398.3	365.9	347.3
50°	734.0	844.3	929.5	916.3	758.0	592.1	473.7	404.8	361.9	336.9	317.5
52.5°	678.9	785.9	859.7	821.9	670.2	521.1	423.5	365.6	330.1	308.3	291.0
55°	598.8	693.7	745.8	688.6	546.7	433.4	357.8	312.4	285.9	267.5	252.7
57.5°	520.0	598.4	631.1	564.6	450.3	359.4	302.7	268.6	242.3	229.1	221.4
60°	470.6	537.5	560.5	487.0	391.5	314.4	268.0	236.3	216.9	208.3	200.6
62.5°	422.0	476.7	486.2	418.8	341.3	275.2	235.3	208.6	195.7	187.4	180.2
65°	350.2	389.5	384.9	330.8	270.0	218.5	189.4	173.0	163.3	151.6	138.8
67.5°	288.3	312.3	297.8	257.3	206.1	169.8	150.8	138.4	126.4	115.3	112.3
70°	249.1	262.9	247.6	210.3	169.0	142.4	127.1	112.3	105.2	102.6	98.0
72.5°	211.5	216.3	199.8	167.8	137.5	117.9	103.0	94.7	90.9	88.7	85.8
75°	158.8	155.2	140.9	115.9	95.5	82.2	77.6	74.5	72.0	69.9	68.4
77.5°	111.5	106.3	93.5	77.2	66.5	60.1	57.4	55.7	54.5	53.5	52.0
80°	83.7	80.1	67.4	55.1	50.5	47.5	45.9	43.9	43.9	42.9	41.3
82.5°	61.3	57.3	46.1	40.4	37.9	36.0	34.9	33.7	33.3	33.5	32.4
85°	32.2	26.0	23.0	21.9	20.4	19.4	19.9	18.9	18.9	18.9	18.4
87.5°	10.8	9.4	9.7	10.0	11.4	12.6	13.5	14.8	16.4	15.9	16.2
90°	4.8	8.2	11.7	15.1	20.0	26.4	32.7	39.0	45.4	44.8	44.2
92.5°	25.6	28.2	30.7	33.2	35.2	36.7	38.2	39.7	41.2	41.3	41.5
95°	70.3	73.2	76.1	79.0	80.7	81.3	81.8	82.4	83.0	83.0	83.0
97.5°	125.7	128.3	130.8	133.3	135.1	136.2	137.3	138.4	139.5	139.5	139.5
100°	167.0	169.3	171.6	173.9	175.5	176.3	177.2	178.1	178.9	178.9	178.9
102.5°	210.1	211.9	213.8	215.6	217.1	218.2	219.3	220.4	221.5	221.7	221.9
105°	279.6	280.5	281.4	282.2	283.0	283.5	284.1	284.7	285.3	285.8	286.4
107.5°	351.1	352.4	353.6	354.9	355.5	355.5	355.5	355.5	355.5	355.8	356.0
110°	397.2	398.9	400.7	402.4	403.3	403.3	403.3	403.3	403.3	403.3	403.3





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	447.0	448.7	450.5	452.2	452.9	452.7	452.5	452.2	452.0	451.3	450.6
115°	520.4	522.1	523.8	525.6	526.1	525.6	525.0	524.4	523.8	523.6	523.3
117.5°	594.1	596.4	598.7	601.0	601.4	599.7	598.1	596.5	594.9	594.2	593.5
120°	642.8	645.2	647.5	649.8	649.8	647.5	645.2	642.8	640.5	640.5	640.5
122.5°	687.9	690.7	693.4	696.2	696.8	695.2	693.6	691.9	690.3	689.6	689.0
125°	757.2	759.8	762.4	765.0	765.9	765.0	764.2	763.3	762.4	761.6	760.7
127.5°	825.6	828.9	832.2	835.5	836.6	835.6	834.5	833.5	832.4	831.4	830.4
130°	868.6	872.4	876.1	879.8	881.4	880.9	880.3	879.7	879.1	878.5	878.0
132.5°	915.6	918.7	921.7	924.8	926.4	926.5	926.6	926.7	926.8	925.6	924.3
135°	979.5	982.7	985.9	989.1	990.9	991.5	992.1	992.7	993.2	992.9	992.7
137.5°	1046.1	1048.7	1051.3	1053.9	1055.6	1056.3	1057.1	1057.8	1058.6	1058.4	1058.1
140°	1086.6	1089.2	1091.8	1094.4	1096.4	1097.8	1099.3	1100.7	1102.1	1102.1	1102.1
142.5°	1128.1	1130.7	1133.3	1135.9	1137.6	1138.6	1139.6	1140.6	1141.6	1141.8	1142.0
145°	1187.2	1189.2	1191.2	1193.2	1195.1	1196.8	1198.5	1200.3	1202.0	1202.3	1202.6
147.5°	1240.7	1243.1	1245.6	1248.0	1249.8	1250.9	1252.1	1253.2	1254.4	1255.0	1255.6
150°	1276.3	1278.1	1279.8	1281.5	1283.0	1284.1	1285.3	1286.4	1287.6	1288.4	1289.3
152.5°	1308.5	1310.2	1311.9	1313.7	1315.2	1316.6	1318.0	1319.4	1320.8	1321.9	1323.0
155°	1355.9	1356.7	1357.6	1358.5	1359.3	1360.2	1361.0	1361.9	1362.8	1364.2	1365.7
157.5°	1396.8	1397.4	1398.0	1398.5	1399.1	1399.6	1400.1	1400.6	1401.2	1403.1	1405.1
160°	1421.7	1422.3	1422.9	1423.4	1423.9	1424.1	1424.4	1424.7	1425.0	1426.7	1428.5
162.5°	1444.1	1444.2	1444.3	1444.4	1444.6	1444.9	1445.2	1445.5	1445.8	1447.7	1449.7
165°	1474.0	1473.7	1473.4	1473.1	1473.0	1473.0	1473.0	1473.0	1473.0	1475.0	1477.0
167.5°	1498.8	1498.0	1497.1	1496.2	1495.8	1495.7	1495.7	1495.6	1495.5	1497.6	1499.6
170°	1512.3	1511.5	1510.6	1509.7	1509.2	1508.9	1508.6	1508.3	1508.0	1510.0	1512.0
172.5°	1521.7	1520.8	1519.9	1519.1	1518.5	1518.2	1517.9	1517.6	1517.3	1519.4	1521.4
175°	1533.1	1532.2	1531.3	1530.5	1529.8	1529.2	1528.6	1528.0	1527.4	1529.5	1531.5
177.5°	1537.9	1537.2	1536.5	1535.8	1535.3	1534.8	1534.3	1533.9	1533.4	1534.8	1536.2
180°	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1
2.5°	1520.5	1525.8	1528.3	1528.3	1531.2	1529.9	1528.7
5°	1607.9	1617.6	1619.7	1628.9	1635.5	1633.4	1634.5
7.5°	1694.8	1710.4	1725.8	1732.9	1734.0	1738.1	1739.6
10°	1748.3	1761.1	1785.1	1781.5	1799.3	1809.6	1792.7
12.5°	1799.8	1817.0	1833.6	1838.2	1848.4	1851.6	1845.0
15°	1846.3	1855.5	1856.5	1854.0	1857.0	1854.5	1844.8
17.5°	1802.8	1787.9	1757.7	1743.4	1732.1	1715.3	1708.6
20°	1730.9	1687.0	1636.0	1615.6	1591.6	1544.6	1555.9
22.5°	1575.8	1525.7	1474.7	1415.1	1386.6	1342.1	1339.4
25°	1334.3	1248.1	1153.1	1086.8	1048.0	1003.6	984.2
27.5°	1037.4	928.8	851.0	811.6	775.8	740.6	739.1
30°	842.2	760.6	700.3	666.7	644.7	629.9	633.0
32.5°	709.9	654.0	613.4	585.4	569.2	558.0	557.8
35°	580.4	542.1	516.1	504.3	492.6	484.4	484.9
37.5°	496.7	473.7	459.2	446.2	438.9	434.9	432.7
40°	453.8	434.9	423.7	416.0	409.9	404.3	403.3
42.5°	419.9	404.3	393.0	387.0	381.3	377.3	376.3
45°	372.6	359.9	349.7	343.0	340.5	336.9	336.9
47.5°	331.5	318.9	311.0	306.8	302.4	300.0	299.9
50°	303.7	294.0	286.9	284.3	280.7	279.2	278.7
52.5°	278.8	271.6	266.5	264.7	263.2	261.2	261.6
55°	245.0	240.9	238.9	237.4	234.8	231.7	233.8
57.5°	216.5	213.1	207.6	202.8	200.4	198.3	199.1
60°	196.5	189.4	182.2	176.6	175.1	170.5	170.5
62.5°	171.2	161.2	152.4	149.3	147.7	145.6	145.2
65°	131.7	127.6	125.6	123.5	122.5	122.5	121.5
67.5°	109.1	107.5	105.3	104.7	103.7	103.4	103.1
70°	96.5	94.4	93.4	92.9	91.9	92.4	90.9
72.5°	84.2	82.6	82.4	81.1	80.4	80.5	79.4
75°	66.4	66.4	65.8	65.3	64.3	63.8	64.3
77.5°	51.0	51.1	50.2	50.1	50.0	50.1	49.6
80°	40.8	41.3	40.8	40.3	39.8	40.3	39.8
82.5°	32.3	31.5	31.4	31.3	31.2	30.9	30.8
85°	18.4	18.9	18.4	17.9	17.9	17.9	18.4
87.5°	15.7	15.6	15.5	15.6	15.6	15.7	15.4
90°	43.7	43.1	42.9	43.2	43.5	43.8	44.1
92.5°	41.6	41.7	41.8	41.8	41.9	42.0	42.0
95°	83.0	83.0	82.7	82.1	81.5	81.0	80.4
97.5°	139.5	139.5	139.5	139.4	139.4	139.3	139.3
100°	178.9	178.9	178.8	178.5	178.2	177.9	177.6
102.5°	222.2	222.4	222.4	222.1	221.8	221.5	221.2
105°	287.0	287.6	287.9	287.9	287.9	287.9	287.9
107.5°	356.2	356.5	355.9	354.6	353.3	351.9	350.6
110°	403.3	403.3	402.8	402.0	401.1	400.2	399.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	449.9	449.2	448.6	447.9	447.3	446.7	446.0
115°	523.0	522.7	522.1	521.3	520.4	519.5	518.7
117.5°	592.8	592.1	591.4	590.5	589.6	588.8	587.9
120°	640.5	640.5	640.1	639.2	638.4	637.5	636.7
122.5°	688.3	687.6	686.9	686.3	685.6	685.0	684.4
125°	759.8	759.0	758.4	758.1	757.8	757.5	757.2
127.5°	829.3	828.3	827.3	826.4	825.5	824.6	823.6
130°	877.4	876.8	876.0	874.8	873.7	872.5	871.3
132.5°	923.0	921.8	920.7	919.8	918.8	917.9	917.0
135°	992.4	992.1	991.5	990.6	989.8	988.9	988.0
137.5°	1057.9	1057.7	1057.0	1055.8	1054.7	1053.5	1052.4
140°	1102.1	1102.1	1101.6	1100.4	1099.3	1098.1	1097.0
142.5°	1142.3	1142.5	1142.0	1140.9	1139.7	1138.6	1137.4
145°	1202.9	1203.1	1202.7	1201.6	1200.4	1199.3	1198.1
147.5°	1256.3	1256.9	1256.7	1255.6	1254.5	1253.4	1252.3
150°	1290.2	1291.0	1291.0	1290.2	1289.3	1288.4	1287.6
152.5°	1324.0	1325.1	1325.1	1324.0	1323.0	1321.9	1320.8
155°	1367.1	1368.5	1368.8	1368.0	1367.1	1366.2	1365.4
157.5°	1407.0	1409.0	1409.3	1407.9	1406.5	1405.1	1403.7
160°	1430.2	1431.9	1432.2	1431.1	1429.9	1428.8	1427.6
162.5°	1451.6	1453.6	1453.9	1452.5	1451.1	1449.7	1448.4
165°	1479.0	1481.1	1481.3	1479.9	1478.5	1477.0	1475.6
167.5°	1501.6	1503.6	1503.9	1502.4	1500.9	1499.4	1497.9
170°	1514.0	1516.1	1516.2	1514.5	1512.8	1511.0	1509.3
172.5°	1523.4	1525.4	1525.5	1523.8	1522.1	1520.4	1518.6
175°	1533.5	1535.5	1535.7	1533.9	1532.2	1530.5	1528.7
177.5°	1537.6	1538.9	1538.9	1537.6	1536.2	1534.8	1533.4
180°	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5	1536.5

(END OF REPORT)