

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: P333689

Luminaire Tested: **S125RDIW-S850D1050U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333689
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S850D1050U835-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6913.2 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

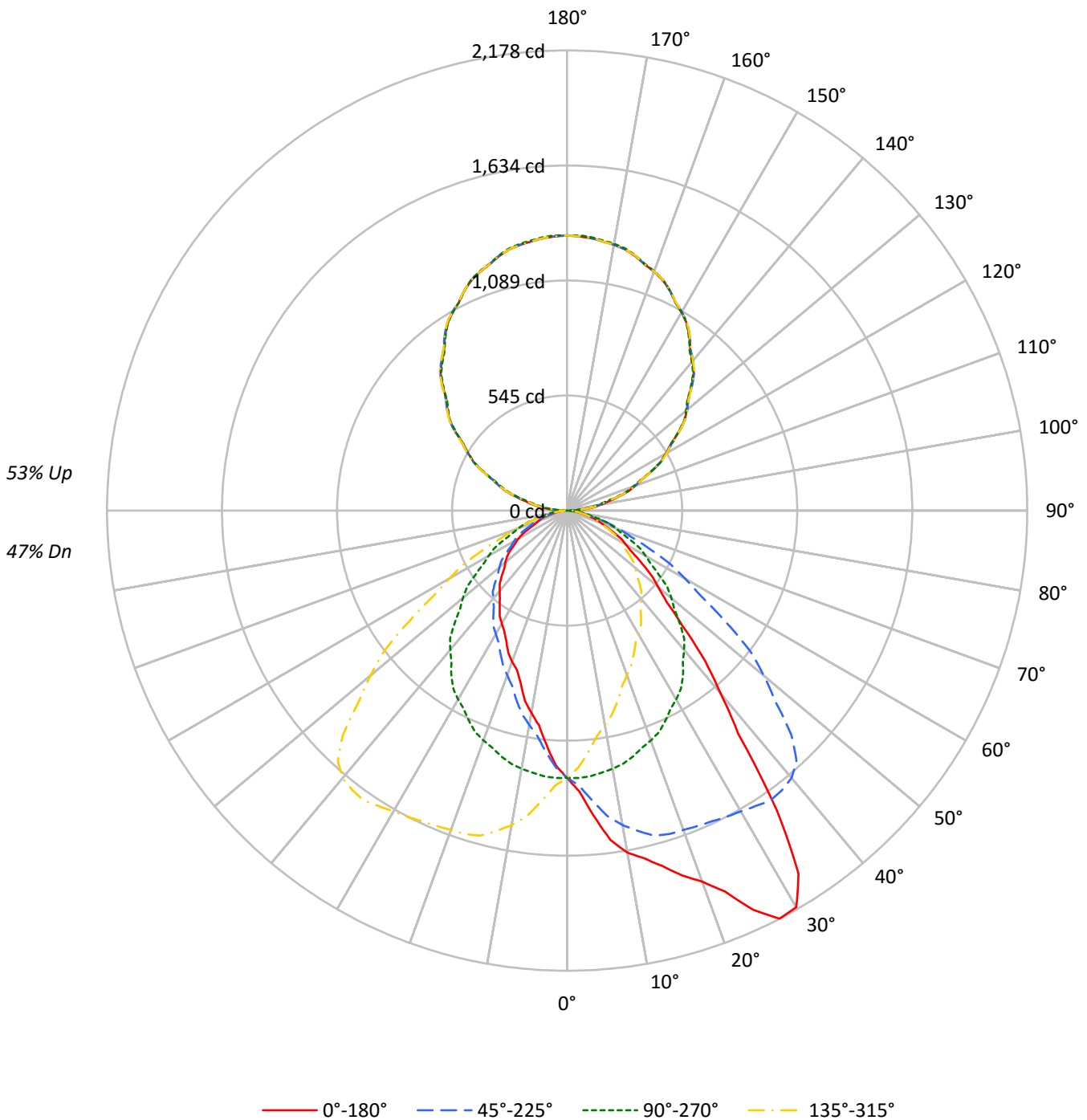
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
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	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47																				
1	98	93	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41																				
2	89	82	76	71	82	76	71	66	64	60	57	53	50	48	43	41	39	35																				
3	82	72	65	60	75	67	61	56	57	52	48	47	44	41	38	36	34	30																				
4	75	64	57	51	69	59	53	48	50	45	41	42	38	35	34	32	30	26																				
5	69	57	49	44	63	53	46	41	45	40	36	38	34	31	31	28	26	23																				
6	63	51	44	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20																				
7	59	47	39	33	54	43	36	31	37	32	28	31	27	24	26	23	20	18																				
8	54	42	35	29	50	39	33	28	34	28	25	29	24	21	24	21	18	16																				
9	51	39	31	26	47	36	29	25	31	26	22	26	22	19	22	19	17	14																				
10	47	35	28	24	44	33	27	22	29	23	20	24	20	17	20	17	15	13																				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8169	8169	8169	8169
5°	9398	8180	7224	8180
10°	10781	8138	6374	8138
15°	11645	8055	5666	8055
20°	12841	7958	5232	7958
25°	14860	7829	4855	7829
30°	16171	7694	4608	7694
35°	13640	7536	4380	7536
40°	9526	7254	4185	7254
45°	7067	6872	3993	6872
50°	5635	6475	3829	6475
55°	4782	5981	3683	5981
60°	4132	5540	3447	5540
65°	3681	5063	2968	5063
70°	3237	4638	2706	4638
75°	2800	4017	2540	4017
80°	2124	3381	2124	3381
85°	1771	2653	2001	2653



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	1.8
10°-20°	355.5	5.1
20°-30°	563.6	8.2
30°-40°	679.7	9.8
40°-50°	607.0	8.8
50°-60°	465.5	6.7
60°-70°	302.5	4.4
70°-80°	147.1	2.1
80°-90°	38.0	0.5
90°-100°	87.2	1.3
100°-110°	257.5	3.7
110°-120°	436.2	6.3
120°-130°	574.0	8.3
130°-140°	643.2	9.3
140°-150°	630.4	9.1
150°-160°	529.5	7.7
160°-170°	352.0	5.1
170°-180°	123.2	1.8
0°-30°	1040.4	15.0
0°-40°	1720.1	24.9
0°-60°	2792.5	40.4
0°-90°	3280.0	47.4
90°-120°	780.9	11.3
90°-150°	2628.6	38.0
90°-180°	3633.0	52.6
0°-180°	6913.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1265	1265	1265	1265	1265	
5°	1450	1262	1114	1262	1450	145
15°	1742	1205	847	1205	1742	499
25°	2085	1099	681	1099	2085	957
35°	1730	956	556	956	1730	1045
45°	774	752	437	752	774	617
55°	425	531	327	531	425	385
65°	241	331	194	331	241	240
75°	112	161	102	161	112	119
85°	24	36	27	36	24	28
90°	24	1	24	1	24	15
95°	87	66	87	66	87	89
105°	251	231	251	231	251	266
115°	441	437	441	437	441	436
125°	641	637	641	637	641	573
135°	832	829	832	829	832	642
145°	1008	1004	1008	1004	1008	629
155°	1149	1149	1149	1149	1149	529
165°	1246	1249	1246	1249	1246	351
175°	1294	1299	1294	1299	1294	123
180°	1302	1302	1302	1302	1302	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1330.5	1329.7	1331.4	1326.8	1327.2	1320.1	1320.1	1314.7	1307.7	1302.3	1299.8
5°	1449.7	1450.8	1448.7	1440.9	1435.7	1427.9	1419.1	1403.5	1390.5	1378.1	1368.2
7.5°	1572.5	1573.2	1566.4	1564.0	1550.9	1541.3	1521.7	1500.5	1481.7	1457.8	1439.6
10°	1643.9	1643.4	1636.2	1630.4	1619.0	1604.5	1585.3	1560.3	1537.0	1511.0	1486.1
12.5°	1685.5	1684.1	1681.8	1674.9	1664.3	1651.4	1635.1	1610.6	1581.8	1553.4	1524.3
15°	1741.6	1737.9	1731.2	1722.3	1707.3	1692.2	1674.1	1652.3	1624.7	1592.5	1565.5
17.5°	1810.9	1811.0	1800.7	1788.4	1767.9	1741.4	1713.3	1678.1	1640.7	1605.3	1576.5
20°	1868.3	1866.7	1856.3	1832.4	1809.1	1775.8	1743.6	1700.5	1654.8	1608.6	1572.8
22.5°	1950.5	1946.5	1935.7	1904.3	1868.1	1825.3	1776.0	1723.4	1668.1	1615.7	1568.7
25°	2085.3	2082.2	2060.9	2024.6	1973.7	1907.7	1843.3	1771.2	1691.7	1622.7	1565.5
27.5°	2177.5	2174.1	2158.3	2128.1	2081.2	2011.8	1924.6	1828.2	1729.0	1634.0	1551.6
30°	2168.4	2176.2	2174.1	2160.1	2124.8	2062.5	1982.0	1873.5	1755.6	1643.9	1545.8
32.5°	2037.9	2044.9	2063.2	2090.7	2092.8	2067.9	2007.7	1907.5	1785.5	1658.5	1541.2
35°	1730.1	1739.5	1774.8	1830.4	1903.0	1963.8	1976.3	1922.3	1812.7	1676.1	1534.4
37.5°	1330.1	1381.2	1410.9	1469.4	1579.2	1691.0	1798.5	1838.0	1791.4	1668.9	1523.3
40°	1129.9	1142.3	1195.3	1261.3	1353.7	1470.0	1623.2	1733.8	1737.4	1652.3	1505.8
42.5°	967.0	982.8	1019.2	1071.8	1151.0	1267.3	1425.4	1571.4	1639.0	1606.6	1483.0
45°	773.7	785.6	812.1	852.6	913.4	1009.4	1145.5	1314.2	1448.2	1500.6	1421.7
47.5°	635.6	642.0	665.1	695.9	740.9	810.9	916.2	1062.7	1223.4	1336.0	1324.9
50°	560.8	568.1	585.7	609.1	647.0	706.2	790.3	912.3	1078.0	1215.6	1243.1
52.5°	502.6	508.7	519.7	541.8	573.0	618.5	686.4	796.8	945.9	1092.2	1155.8
55°	424.7	428.9	437.7	450.2	475.1	507.8	566.5	642.8	763.3	910.8	1004.2
57.5°	360.6	362.6	368.3	379.8	397.0	420.9	463.3	528.0	614.4	747.2	850.3
60°	319.9	321.9	329.2	337.0	350.5	372.3	405.5	450.7	533.8	643.3	747.7
62.5°	287.5	288.7	291.8	299.6	311.4	328.3	354.4	391.3	457.4	553.6	652.2
65°	240.9	241.5	242.5	248.7	256.0	268.5	285.6	311.5	361.4	434.1	521.3
67.5°	196.3	197.0	200.6	202.8	210.4	216.9	227.0	246.9	282.0	331.0	398.8
70°	171.4	170.8	174.5	177.1	179.7	187.4	194.2	210.3	232.1	269.5	326.1
72.5°	148.1	146.7	148.3	149.2	152.7	158.0	164.7	174.6	191.4	217.1	260.5
75°	112.2	112.7	112.7	113.7	116.3	118.4	120.5	125.7	135.0	152.1	175.5
77.5°	78.7	77.9	80.1	80.4	81.9	84.2	86.0	88.1	91.9	99.0	111.0
80°	57.1	57.1	57.6	59.2	58.7	59.7	62.3	64.4	69.1	73.2	77.4
82.5°	43.8	43.4	43.9	44.2	44.1	45.2	46.1	46.5	48.3	50.4	53.3
85°	23.9	23.9	24.4	24.4	24.9	24.9	25.4	25.4	25.4	26.0	26.5
87.5°	14.0	13.5	12.9	12.8	13.0	13.7	13.1	12.4	12.2	12.0	12.1
90°	24.3	23.6	23.0	22.3	21.6	20.7	19.6	18.5	17.3	16.2	14.6
92.5°	47.8	47.3	46.8	46.3	45.8	44.9	43.4	41.9	40.4	38.9	37.0
95°	87.1	86.7	86.2	85.8	85.3	84.3	82.7	81.2	79.6	78.0	75.8
97.5°	132.1	131.9	131.6	131.3	131.0	130.2	128.7	127.2	125.7	124.2	121.1
100°	166.2	165.7	165.3	164.8	164.4	163.1	161.1	159.1	157.1	155.0	152.1
102.5°	200.2	199.6	199.0	198.3	197.7	196.3	194.1	191.9	189.7	187.5	186.0
105°	251.3	250.6	249.9	249.3	248.6	247.6	246.2	244.9	243.5	242.2	240.8
107.5°	303.6	303.6	303.7	303.7	303.8	303.4	302.8	302.1	301.4	300.7	299.7
110°	342.5	342.7	342.9	343.2	343.4	343.2	342.5	341.8	341.1	340.5	339.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	380.6	381.0	381.4	381.8	382.2	382.2	381.9	381.6	381.3	381.0	380.1
115°	440.8	441.0	441.2	441.4	441.7	441.9	442.1	442.3	442.6	442.8	442.3
117.5°	499.5	500.4	501.3	502.2	503.1	503.5	503.3	503.1	503.0	502.8	502.4
120°	540.1	541.0	541.9	542.8	543.7	544.1	544.1	544.1	544.1	544.1	543.9
122.5°	580.6	581.3	582.0	582.8	583.5	583.9	584.1	584.3	584.5	584.7	584.1
125°	641.4	641.6	641.8	642.1	642.3	642.6	643.1	643.5	644.0	644.4	644.2
127.5°	699.8	700.2	700.7	701.1	701.6	701.9	702.1	702.3	702.6	702.8	702.5
130°	738.7	739.1	739.6	740.0	740.5	740.8	741.0	741.3	741.5	741.7	741.3
132.5°	775.1	775.8	776.4	777.0	777.7	778.1	778.3	778.5	778.8	779.0	779.1
135°	831.9	832.8	833.7	834.6	835.5	835.9	835.9	835.9	835.9	835.9	835.7
137.5°	887.4	888.5	889.7	890.8	891.9	892.3	892.1	891.8	891.5	891.3	890.8
140°	923.1	924.2	925.3	926.5	927.6	927.9	927.5	927.0	926.6	926.1	925.4
142.5°	957.1	958.3	959.4	960.5	961.6	962.1	961.8	961.5	961.2	961.0	960.1
145°	1008.2	1008.9	1009.5	1010.2	1010.9	1011.2	1011.2	1011.2	1011.2	1011.2	1010.6
147.5°	1051.8	1053.3	1054.8	1056.4	1057.9	1058.4	1057.8	1057.3	1056.8	1056.2	1055.7
150°	1084.2	1084.6	1085.1	1085.5	1086.0	1086.2	1086.2	1086.2	1086.2	1086.2	1085.3
152.5°	1110.9	1111.7	1112.6	1113.4	1114.2	1114.3	1113.8	1113.2	1112.7	1112.2	1111.8
155°	1149.0	1150.2	1151.3	1152.4	1153.5	1153.7	1152.8	1151.9	1151.0	1150.1	1149.8
157.5°	1180.9	1182.3	1183.8	1185.3	1186.8	1187.1	1186.2	1185.3	1184.4	1183.5	1183.3
160°	1202.7	1203.9	1205.0	1206.1	1207.2	1207.4	1206.5	1205.6	1204.7	1203.8	1203.5
162.5°	1221.4	1222.7	1224.0	1225.3	1226.6	1226.7	1225.6	1224.6	1223.5	1222.4	1222.4
165°	1246.3	1247.7	1249.0	1250.4	1251.7	1251.9	1251.0	1250.1	1249.2	1248.3	1248.1
167.5°	1266.2	1267.6	1269.0	1270.4	1271.8	1271.8	1270.4	1269.1	1267.7	1266.4	1266.4
170°	1276.7	1278.3	1279.9	1281.4	1283.0	1283.1	1281.8	1280.4	1279.1	1277.7	1277.7
172.5°	1285.6	1287.0	1288.4	1289.8	1291.2	1291.2	1289.9	1288.5	1287.2	1285.8	1285.8
175°	1293.9	1295.5	1297.1	1298.7	1300.2	1300.4	1299.0	1297.6	1296.3	1294.9	1294.9
177.5°	1298.8	1300.1	1301.3	1302.6	1303.8	1303.9	1302.9	1301.8	1300.7	1299.6	1299.8
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1299.8	1296.9	1291.5	1286.5	1280.3	1274.9	1271.1	1266.6	1260.7	1253.7	1247.9
5°	1357.3	1345.9	1330.8	1317.9	1301.2	1288.3	1274.8	1261.8	1248.8	1232.2	1217.6
7.5°	1421.1	1397.5	1374.6	1345.7	1319.5	1296.1	1273.7	1251.0	1228.8	1205.2	1182.4
10°	1460.1	1431.6	1399.9	1363.5	1330.3	1298.6	1269.6	1241.0	1210.9	1184.4	1155.8
12.5°	1496.7	1459.8	1423.6	1377.7	1337.8	1299.1	1262.1	1226.5	1194.3	1159.9	1129.3
15°	1529.7	1493.4	1452.9	1396.8	1341.2	1294.5	1250.9	1204.7	1164.7	1126.3	1092.0
17.5°	1542.5	1504.4	1457.3	1403.4	1342.7	1283.9	1227.7	1177.0	1130.0	1085.2	1046.7
20°	1537.5	1500.6	1452.3	1400.9	1336.0	1274.8	1214.0	1157.9	1105.5	1058.2	1017.2
22.5°	1525.4	1487.3	1440.7	1386.4	1324.8	1259.8	1194.9	1135.1	1080.1	1031.2	986.5
25°	1507.4	1455.5	1407.7	1354.7	1296.0	1231.7	1164.7	1098.7	1040.1	990.2	941.4
27.5°	1488.6	1423.8	1363.0	1310.4	1248.4	1190.9	1126.4	1058.7	997.1	946.3	896.2
30°	1471.6	1398.9	1331.9	1272.2	1213.5	1159.0	1097.7	1031.7	968.4	916.0	865.1
32.5°	1450.4	1373.1	1299.5	1230.6	1174.0	1119.9	1064.5	1001.4	939.7	885.6	833.9
35°	1423.8	1325.1	1245.2	1171.9	1109.1	1056.7	1006.8	955.9	894.1	838.1	787.7
37.5°	1388.9	1276.9	1184.4	1104.7	1038.4	985.7	946.4	899.9	843.5	789.8	743.0
40°	1367.7	1242.0	1140.8	1061.9	992.3	936.7	899.9	860.4	809.0	758.6	711.9
42.5°	1339.5	1210.1	1096.8	1014.5	944.5	891.0	853.7	819.3	776.2	728.7	678.7
45°	1284.1	1148.1	1029.2	940.9	870.3	817.8	783.0	752.4	719.7	676.1	632.4
47.5°	1212.0	1083.4	958.9	862.6	793.4	744.7	711.0	686.8	663.4	626.3	583.9
50°	1154.3	1030.2	908.7	815.2	741.5	695.3	663.6	644.4	623.1	589.3	554.0
52.5°	1086.2	975.4	856.3	760.8	691.2	647.9	617.5	598.3	580.7	553.2	519.6
55°	978.8	881.7	772.6	685.9	622.1	578.4	549.4	531.2	520.8	497.4	471.0
57.5°	854.9	785.3	689.1	605.5	549.1	506.0	484.7	469.2	457.5	440.9	422.3
60°	768.5	719.7	633.5	554.0	502.1	461.1	441.9	428.9	418.0	404.0	389.4
62.5°	680.8	645.3	570.3	502.1	454.3	420.0	402.0	390.3	377.7	368.3	354.1
65°	563.4	531.7	479.8	426.3	382.2	354.6	341.7	331.3	323.5	313.1	303.2
67.5°	438.2	425.4	389.5	352.7	321.0	296.5	285.3	278.0	268.7	262.4	255.7
70°	361.4	355.2	329.7	305.3	275.7	259.1	248.7	245.6	234.2	228.0	223.3
72.5°	293.3	290.4	275.7	258.8	237.9	223.4	213.8	210.3	203.0	198.0	195.0
75°	200.9	202.0	199.4	188.5	180.7	171.4	163.0	161.0	155.8	151.6	149.0
77.5°	127.1	132.4	132.6	132.1	129.0	123.3	119.8	118.3	113.2	111.6	111.0
80°	87.2	92.9	98.1	97.6	96.6	95.0	92.4	90.9	88.3	86.7	85.7
82.5°	58.2	63.5	67.8	70.6	70.4	68.9	67.1	66.4	65.8	64.7	64.5
85°	27.5	28.6	30.1	33.8	36.3	36.9	36.3	35.8	34.3	34.8	35.3
87.5°	12.2	11.9	12.0	11.6	10.8	12.6	13.4	13.5	13.0	12.6	12.1
90°	13.1	11.5	9.9	8.2	6.4	4.6	2.8	1.0	2.8	4.6	6.4
92.5°	35.0	33.1	31.2	29.6	28.3	27.0	25.8	24.5	25.8	27.0	28.3
95°	73.5	71.3	69.0	67.7	67.2	66.8	66.3	65.9	66.3	66.8	67.2
97.5°	118.0	114.9	111.8	110.2	110.0	109.8	109.6	109.4	109.6	109.8	110.0
100°	149.2	146.2	143.3	141.9	141.9	141.9	141.9	141.9	141.9	141.9	141.9
102.5°	184.5	183.0	181.5	180.3	179.4	178.5	177.6	176.7	177.6	178.5	179.4
105°	239.5	238.1	236.8	235.5	234.4	233.3	232.1	231.0	232.1	233.3	234.4
107.5°	298.7	297.6	296.6	295.5	294.4	293.3	292.1	291.0	292.1	293.3	294.4
110°	339.1	338.4	337.8	336.9	335.7	334.6	333.5	332.3	333.5	334.6	335.7



TEST NUMBER: P333689

CATALOG NUMBER: S125RDIW-S850D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	379.3	378.4	377.6	376.8	376.3	375.7	375.1	374.5	375.1	375.7	376.3
115°	441.9	441.4	441.0	440.3	439.4	438.5	437.6	436.7	437.6	438.5	439.4
117.5°	502.0	501.6	501.2	500.8	500.3	499.9	499.5	499.1	499.5	499.9	500.3
120°	543.7	543.4	543.2	542.5	541.4	540.3	539.2	538.0	539.2	540.3	541.4
122.5°	583.5	582.9	582.3	581.8	581.4	581.0	580.6	580.2	580.6	581.0	581.4
125°	644.0	643.8	643.5	642.7	641.4	640.0	638.7	637.3	638.7	640.0	641.4
127.5°	702.3	702.0	701.7	701.2	700.4	699.7	698.9	698.1	698.9	699.7	700.4
130°	740.8	740.4	739.9	739.1	738.0	736.9	735.7	734.6	735.7	736.9	738.0
132.5°	779.2	779.3	779.4	778.5	776.6	774.8	772.9	771.1	772.9	774.8	776.6
135°	835.5	835.3	835.0	834.3	832.9	831.5	830.2	828.8	830.2	831.5	832.9
137.5°	890.3	889.8	889.3	888.4	887.1	885.8	884.5	883.2	884.5	885.8	887.1
140°	924.8	924.1	923.4	922.5	921.4	920.3	919.1	918.0	919.1	920.3	921.4
142.5°	959.3	958.4	957.6	956.7	955.7	954.8	953.8	952.9	953.8	954.8	955.7
145°	1009.9	1009.2	1008.5	1007.7	1006.8	1005.9	1005.0	1004.1	1005.0	1005.9	1006.8
147.5°	1055.1	1054.6	1054.1	1053.5	1053.0	1052.6	1052.1	1051.6	1052.1	1052.6	1053.0
150°	1084.4	1083.5	1082.6	1082.3	1082.5	1082.7	1083.0	1083.2	1083.0	1082.7	1082.5
152.5°	1111.4	1111.1	1110.7	1110.4	1110.1	1109.7	1109.4	1109.1	1109.4	1109.7	1110.1
155°	1149.6	1149.4	1149.1	1149.0	1149.0	1149.0	1149.0	1149.0	1149.0	1149.0	1149.0
157.5°	1183.0	1182.8	1182.6	1182.7	1183.2	1183.7	1184.2	1184.7	1184.2	1183.7	1183.2
160°	1203.3	1203.1	1202.9	1203.1	1203.8	1204.4	1205.1	1205.8	1205.1	1204.4	1203.8
162.5°	1222.3	1222.3	1222.2	1222.4	1222.9	1223.4	1223.9	1224.4	1223.9	1223.4	1222.9
165°	1247.9	1247.7	1247.4	1247.5	1248.0	1248.4	1248.9	1249.4	1248.9	1248.4	1248.0
167.5°	1266.4	1266.4	1266.4	1266.8	1267.7	1268.6	1269.5	1270.4	1269.5	1268.6	1267.7
170°	1277.7	1277.7	1277.7	1278.2	1279.1	1280.0	1280.9	1281.8	1280.9	1280.0	1279.1
172.5°	1285.8	1285.8	1285.8	1286.3	1287.2	1288.1	1289.0	1289.9	1289.0	1288.1	1287.2
175°	1294.9	1294.9	1294.9	1295.4	1296.3	1297.2	1298.1	1299.0	1298.1	1297.2	1296.3
177.5°	1300.0	1300.1	1300.3	1300.8	1301.5	1302.2	1302.9	1303.7	1302.9	1302.2	1301.5
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P333689

CATALOG NUMBER: S125RDIW-S850D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1243.7	1237.9	1233.7	1225.4	1219.6	1217.1	1212.6	1211.3	1215.9	1212.6	1212.1
5°	1206.7	1191.7	1179.7	1167.8	1154.8	1146.5	1134.0	1132.0	1128.8	1124.2	1123.1
7.5°	1162.4	1142.8	1127.4	1107.7	1090.5	1076.7	1061.1	1053.8	1049.7	1043.7	1035.6
10°	1132.5	1109.1	1088.3	1068.6	1047.3	1030.2	1014.6	1002.7	994.9	987.6	984.5
12.5°	1103.0	1079.2	1052.6	1028.7	1005.0	985.7	968.5	960.7	952.1	943.6	936.3
15°	1057.2	1025.5	996.4	968.9	948.7	927.9	911.3	899.9	886.9	883.2	869.2
17.5°	1008.6	977.5	943.5	914.5	891.0	868.2	849.9	836.9	827.2	813.8	807.3
20°	978.3	941.4	908.2	881.7	855.7	828.7	810.0	799.1	789.8	778.9	773.7
22.5°	945.9	909.8	875.8	844.7	818.3	791.8	778.5	767.1	756.5	746.5	739.6
25°	898.3	862.0	826.1	793.9	766.4	747.2	731.6	718.6	712.9	703.1	695.8
27.5°	851.3	812.6	775.4	743.4	721.8	702.8	690.0	679.7	669.4	660.8	654.5
30°	820.9	781.5	741.0	715.5	692.7	674.5	660.5	650.6	642.8	635.0	630.4
32.5°	790.6	749.9	714.0	686.4	664.8	649.2	634.7	625.3	617.1	608.5	603.0
35°	742.0	700.5	671.4	644.4	623.1	608.6	598.7	585.2	578.4	572.2	566.5
37.5°	696.8	658.2	626.7	603.1	584.6	570.1	557.4	550.1	541.8	536.2	531.4
40°	663.6	628.3	599.7	574.8	561.3	545.2	533.3	523.9	517.7	510.4	505.2
42.5°	633.7	600.9	573.1	550.7	533.9	520.3	508.8	499.4	491.5	486.3	482.0
45°	591.4	558.7	531.7	510.9	495.4	482.4	470.4	465.8	455.4	449.2	447.1
47.5°	547.7	518.4	492.4	473.2	457.3	445.0	433.8	424.2	418.5	412.4	409.1
50°	518.2	490.2	465.8	447.1	431.5	418.0	407.6	401.4	393.6	387.9	383.7
52.5°	488.7	462.8	438.4	420.5	407.0	393.5	381.9	375.6	368.3	364.6	361.7
55°	446.6	419.0	398.3	380.6	366.6	354.1	343.2	337.0	332.3	328.7	327.6
57.5°	398.8	377.0	357.7	341.8	327.2	315.5	305.9	300.0	295.9	295.3	292.2
60°	367.6	347.9	330.2	313.1	300.6	289.7	281.4	274.7	270.5	270.0	269.0
62.5°	336.5	317.6	301.2	286.1	274.9	264.4	256.5	248.9	246.4	243.8	241.6
65°	290.3	273.1	259.6	247.7	235.7	226.9	219.1	214.4	208.7	205.6	199.9
67.5°	244.9	231.6	218.6	208.5	199.2	190.8	184.3	177.4	173.5	171.0	166.9
70°	215.0	204.6	191.6	180.7	173.4	166.7	161.5	153.7	151.1	149.0	146.9
72.5°	186.7	177.6	166.7	157.9	150.6	144.2	138.2	134.6	132.0	129.9	128.7
75°	146.9	138.1	128.8	122.5	117.4	112.2	109.0	106.4	105.4	104.9	102.8
77.5°	107.9	103.2	95.7	90.8	87.3	85.3	82.5	81.1	81.0	78.7	78.0
80°	82.6	80.0	73.7	71.7	69.1	67.0	65.4	62.8	60.2	59.2	57.6
82.5°	61.4	58.8	56.3	53.0	50.8	49.5	48.0	47.0	47.4	45.9	45.2
85°	32.7	30.1	29.1	28.6	27.5	28.6	28.0	27.5	27.0	26.5	27.0
87.5°	12.0	12.4	12.3	13.4	12.5	13.2	13.4	13.2	13.5	13.7	13.5
90°	8.2	9.9	11.5	13.1	14.6	16.2	17.3	18.5	19.6	20.7	21.6
92.5°	29.6	31.2	33.1	35.0	37.0	38.9	40.4	41.9	43.4	44.9	45.8
95°	67.7	69.0	71.3	73.5	75.8	78.0	79.6	81.2	82.7	84.3	85.3
97.5°	110.2	111.8	114.9	118.0	121.1	124.2	125.7	127.2	128.7	130.2	131.0
100°	141.9	143.3	146.2	149.2	152.1	155.0	157.1	159.1	161.1	163.1	164.4
102.5°	180.3	181.5	183.0	184.5	186.0	187.5	189.7	191.9	194.1	196.3	197.7
105°	235.5	236.8	238.1	239.5	240.8	242.2	243.5	244.9	246.2	247.6	248.6
107.5°	295.5	296.6	297.6	298.7	299.7	300.7	301.4	302.1	302.8	303.4	303.8
110°	336.9	337.8	338.4	339.1	339.8	340.5	341.1	341.8	342.5	343.2	343.4



TEST NUMBER: P333689

CATALOG NUMBER: S125RDIW-S850D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	376.8	377.6	378.4	379.3	380.1	381.0	381.3	381.6	381.9	382.2	382.2
115°	440.3	441.0	441.4	441.9	442.3	442.8	442.6	442.3	442.1	441.9	441.7
117.5°	500.8	501.2	501.6	502.0	502.4	502.8	503.0	503.1	503.3	503.5	503.1
120°	542.5	543.2	543.4	543.7	543.9	544.1	544.1	544.1	544.1	544.1	543.7
122.5°	581.8	582.3	582.9	583.5	584.1	584.7	584.5	584.3	584.1	583.9	583.5
125°	642.7	643.5	643.8	644.0	644.2	644.4	644.0	643.5	643.1	642.6	642.3
127.5°	701.2	701.7	702.0	702.3	702.5	702.8	702.6	702.3	702.1	701.9	701.6
130°	739.1	739.9	740.4	740.8	741.3	741.7	741.5	741.3	741.0	740.8	740.5
132.5°	778.5	779.4	779.3	779.2	779.1	779.0	778.8	778.5	778.3	778.1	777.7
135°	834.3	835.0	835.3	835.5	835.7	835.9	835.9	835.9	835.9	835.9	835.5
137.5°	888.4	889.3	889.8	890.3	890.8	891.3	891.5	891.8	892.1	892.3	891.9
140°	922.5	923.4	924.1	924.8	925.4	926.1	926.6	927.0	927.5	927.9	927.6
142.5°	956.7	957.6	958.4	959.3	960.1	961.0	961.2	961.5	961.8	962.1	961.6
145°	1007.7	1008.5	1009.2	1009.9	1010.6	1011.2	1011.2	1011.2	1011.2	1011.2	1010.9
147.5°	1053.5	1054.1	1054.6	1055.1	1055.7	1056.2	1056.8	1057.3	1057.8	1058.4	1057.9
150°	1082.3	1082.6	1083.5	1084.4	1085.3	1086.2	1086.2	1086.2	1086.2	1086.2	1086.0
152.5°	1110.4	1110.7	1111.1	1111.4	1111.8	1112.2	1112.7	1113.2	1113.8	1114.3	1114.2
155°	1149.0	1149.1	1149.4	1149.6	1149.8	1150.1	1151.0	1151.9	1152.8	1153.7	1153.5
157.5°	1182.7	1182.6	1182.8	1183.0	1183.3	1183.5	1184.4	1185.3	1186.2	1187.1	1186.8
160°	1203.1	1202.9	1203.1	1203.3	1203.5	1203.8	1204.7	1205.6	1206.5	1207.4	1207.2
162.5°	1222.4	1222.2	1222.3	1222.3	1222.4	1222.4	1223.5	1224.6	1225.6	1226.7	1226.6
165°	1247.5	1247.4	1247.7	1247.9	1248.1	1248.3	1249.2	1250.1	1251.0	1251.9	1251.7
167.5°	1266.8	1266.4	1266.4	1266.4	1266.4	1266.4	1267.7	1269.1	1270.4	1271.8	1271.8
170°	1278.2	1277.7	1277.7	1277.7	1277.7	1277.7	1279.1	1280.4	1281.8	1283.1	1283.0
172.5°	1286.3	1285.8	1285.8	1285.8	1285.8	1285.8	1287.2	1288.5	1289.9	1291.2	1291.2
175°	1295.4	1294.9	1294.9	1294.9	1294.9	1294.9	1296.3	1297.6	1299.0	1300.4	1300.2
177.5°	1300.8	1300.3	1300.1	1300.0	1299.8	1299.6	1300.7	1301.8	1302.9	1303.9	1303.8
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P333689

CATALOG NUMBER: S125RDIW-S850D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1211.7	1207.2	1205.9	1207.6	1205.9	1207.2	1211.7	1212.1	1212.6	1215.9	1211.3
5°	1117.9	1112.8	1115.3	1114.3	1115.3	1112.8	1117.9	1123.1	1124.2	1128.8	1132.0
7.5°	1035.5	1029.0	1022.2	1024.4	1022.2	1029.0	1035.5	1035.6	1043.7	1049.7	1053.8
10°	977.7	972.6	969.4	972.0	969.4	972.6	977.7	984.5	987.6	994.9	1002.7
12.5°	929.1	926.0	923.3	922.2	923.3	926.0	929.1	936.3	943.6	952.1	960.7
15°	863.0	856.8	854.2	847.4	854.2	856.8	863.0	869.2	883.2	886.9	899.9
17.5°	802.0	800.0	793.2	790.3	793.2	800.0	802.0	807.3	813.8	827.2	836.9
20°	765.9	763.8	757.1	761.2	757.1	763.8	765.9	773.7	778.9	789.8	799.1
22.5°	736.0	731.4	729.2	728.0	729.2	731.4	736.0	739.6	746.5	756.5	767.1
25°	693.7	687.0	684.4	681.3	684.4	687.0	693.7	695.8	703.1	712.9	718.6
27.5°	651.6	647.9	644.5	643.7	644.5	647.9	651.6	654.5	660.8	669.4	679.7
30°	624.1	620.5	617.9	617.9	617.9	620.5	624.1	630.4	635.0	642.8	650.6
32.5°	599.6	596.8	594.2	593.8	594.2	596.8	599.6	603.0	608.5	617.1	625.3
35°	563.9	559.8	558.7	555.6	558.7	559.8	563.9	566.5	572.2	578.4	585.2
37.5°	526.8	523.4	523.3	523.0	523.3	523.4	526.8	531.4	536.2	541.8	550.1
40°	503.2	500.6	500.0	496.4	500.0	500.6	503.2	505.2	510.4	517.7	523.9
42.5°	477.8	476.5	474.7	473.1	474.7	476.5	477.8	482.0	486.3	491.5	499.4
45°	443.4	439.8	439.8	437.2	439.8	439.8	443.4	447.1	449.2	455.4	465.8
47.5°	407.9	405.1	405.4	402.7	405.4	405.1	407.9	409.1	412.4	418.5	424.2
50°	384.2	382.7	382.2	381.1	382.2	382.7	384.2	383.7	387.9	393.6	401.4
52.5°	360.6	359.8	361.8	359.5	361.8	359.8	360.6	361.7	364.6	368.3	375.6
55°	328.7	327.1	330.2	327.1	330.2	327.1	328.7	327.6	328.7	332.3	337.0
57.5°	292.0	290.6	293.4	291.8	293.4	290.6	292.0	292.2	295.3	295.9	300.0
60°	267.9	264.8	266.4	266.9	266.4	264.8	267.9	269.0	270.0	270.5	274.7
62.5°	239.3	237.4	238.5	236.2	238.5	237.4	239.3	241.6	243.8	246.4	248.9
65°	198.9	197.3	195.2	194.2	195.2	197.3	198.9	199.9	205.6	208.7	214.4
67.5°	167.1	163.4	163.3	164.1	163.3	163.4	167.1	166.9	171.0	173.5	177.4
70°	143.8	143.8	143.3	143.3	143.3	143.8	143.8	146.9	149.0	151.1	153.7
72.5°	127.6	127.2	126.3	125.9	126.3	127.2	127.6	128.7	129.9	132.0	134.6
75°	102.8	103.3	102.3	101.8	102.3	103.3	102.8	102.8	104.9	105.4	106.4
77.5°	75.9	73.7	74.9	73.7	74.9	73.7	75.9	78.0	78.7	81.0	81.1
80°	57.6	57.1	58.7	57.1	58.7	57.1	57.6	57.6	59.2	60.2	62.8
82.5°	45.6	45.1	45.8	44.7	45.8	45.1	45.6	45.2	45.9	47.4	47.0
85°	27.5	27.0	26.5	27.0	26.5	27.0	27.5	27.0	26.5	27.0	27.5
87.5°	14.0	13.7	13.9	14.0	13.9	13.7	14.0	13.5	13.7	13.5	13.2
90°	22.3	23.0	23.6	24.3	23.6	23.0	22.3	21.6	20.7	19.6	18.5
92.5°	46.3	46.8	47.3	47.8	47.3	46.8	46.3	45.8	44.9	43.4	41.9
95°	85.8	86.2	86.7	87.1	86.7	86.2	85.8	85.3	84.3	82.7	81.2
97.5°	131.3	131.6	131.9	132.1	131.9	131.6	131.3	131.0	130.2	128.7	127.2
100°	164.8	165.3	165.7	166.2	165.7	165.3	164.8	164.4	163.1	161.1	159.1
102.5°	198.3	199.0	199.6	200.2	199.6	199.0	198.3	197.7	196.3	194.1	191.9
105°	249.3	249.9	250.6	251.3	250.6	249.9	249.3	248.6	247.6	246.2	244.9
107.5°	303.7	303.7	303.6	303.6	303.6	303.7	303.7	303.8	303.4	302.8	302.1
110°	343.2	342.9	342.7	342.5	342.7	342.9	343.2	343.4	343.2	342.5	341.8



TEST NUMBER: P333689

CATALOG NUMBER: S125RDIW-S850D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	381.8	381.4	381.0	380.6	381.0	381.4	381.8	382.2	382.2	381.9	381.6
115°	441.4	441.2	441.0	440.8	441.0	441.2	441.4	441.7	441.9	442.1	442.3
117.5°	502.2	501.3	500.4	499.5	500.4	501.3	502.2	503.1	503.5	503.3	503.1
120°	542.8	541.9	541.0	540.1	541.0	541.9	542.8	543.7	544.1	544.1	544.1
122.5°	582.8	582.0	581.3	580.6	581.3	582.0	582.8	583.5	583.9	584.1	584.3
125°	642.1	641.8	641.6	641.4	641.6	641.8	642.1	642.3	642.6	643.1	643.5
127.5°	701.1	700.7	700.2	699.8	700.2	700.7	701.1	701.6	701.9	702.1	702.3
130°	740.0	739.6	739.1	738.7	739.1	739.6	740.0	740.5	740.8	741.0	741.3
132.5°	777.0	776.4	775.8	775.1	775.8	776.4	777.0	777.7	778.1	778.3	778.5
135°	834.6	833.7	832.8	831.9	832.8	833.7	834.6	835.5	835.9	835.9	835.9
137.5°	890.8	889.7	888.5	887.4	888.5	889.7	890.8	891.9	892.3	892.1	891.8
140°	926.5	925.3	924.2	923.1	924.2	925.3	926.5	927.6	927.9	927.5	927.0
142.5°	960.5	959.4	958.3	957.1	958.3	959.4	960.5	961.6	962.1	961.8	961.5
145°	1010.2	1009.5	1008.9	1008.2	1008.9	1009.5	1010.2	1010.9	1011.2	1011.2	1011.2
147.5°	1056.4	1054.8	1053.3	1051.8	1053.3	1054.8	1056.4	1057.9	1058.4	1057.8	1057.3
150°	1085.5	1085.1	1084.6	1084.2	1084.6	1085.1	1085.5	1086.0	1086.2	1086.2	1086.2
152.5°	1113.4	1112.6	1111.7	1110.9	1111.7	1112.6	1113.4	1114.2	1114.3	1113.8	1113.2
155°	1152.4	1151.3	1150.2	1149.0	1150.2	1151.3	1152.4	1153.5	1153.7	1152.8	1151.9
157.5°	1185.3	1183.8	1182.3	1180.9	1182.3	1183.8	1185.3	1186.8	1187.1	1186.2	1185.3
160°	1206.1	1205.0	1203.9	1202.7	1203.9	1205.0	1206.1	1207.2	1207.4	1206.5	1205.6
162.5°	1225.3	1224.0	1222.7	1221.4	1222.7	1224.0	1225.3	1226.6	1226.7	1225.6	1224.6
165°	1250.4	1249.0	1247.7	1246.3	1247.7	1249.0	1250.4	1251.7	1251.9	1251.0	1250.1
167.5°	1270.4	1269.0	1267.6	1266.2	1267.6	1269.0	1270.4	1271.8	1271.8	1270.4	1269.1
170°	1281.4	1279.9	1278.3	1276.7	1278.3	1279.9	1281.4	1283.0	1283.1	1281.8	1280.4
172.5°	1289.8	1288.4	1287.0	1285.6	1287.0	1288.4	1289.8	1291.2	1291.2	1289.9	1288.5
175°	1298.7	1297.1	1295.5	1293.9	1295.5	1297.1	1298.7	1300.2	1300.4	1299.0	1297.6
177.5°	1302.6	1301.3	1300.1	1298.8	1300.1	1301.3	1302.6	1303.8	1303.9	1302.9	1301.8
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P333689

CATALOG NUMBER: S125RDIW-S850D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1212.6	1217.1	1219.6	1225.4	1233.7	1237.9	1243.7	1247.9	1253.7	1260.7	1266.6
5°	1134.0	1146.5	1154.8	1167.8	1179.7	1191.7	1206.7	1217.6	1232.2	1248.8	1261.8
7.5°	1061.1	1076.7	1090.5	1107.7	1127.4	1142.8	1162.4	1182.4	1205.2	1228.8	1251.0
10°	1014.6	1030.2	1047.3	1068.6	1088.3	1109.1	1132.5	1155.8	1184.4	1210.9	1241.0
12.5°	968.5	985.7	1005.0	1028.7	1052.6	1079.2	1103.0	1129.3	1159.9	1194.3	1226.5
15°	911.3	927.9	948.7	968.9	996.4	1025.5	1057.2	1092.0	1126.3	1164.7	1204.7
17.5°	849.9	868.2	891.0	914.5	943.5	977.5	1008.6	1046.7	1085.2	1130.0	1177.0
20°	810.0	828.7	855.7	881.7	908.2	941.4	978.3	1017.2	1058.2	1105.5	1157.9
22.5°	778.5	791.8	818.3	844.7	875.8	909.8	945.9	986.5	1031.2	1080.1	1135.1
25°	731.6	747.2	766.4	793.9	826.1	862.0	898.3	941.4	990.2	1040.1	1098.7
27.5°	690.0	702.8	721.8	743.4	775.4	812.6	851.3	896.2	946.3	997.1	1058.7
30°	660.5	674.5	692.7	715.5	741.0	781.5	820.9	865.1	916.0	968.4	1031.7
32.5°	634.7	649.2	664.8	686.4	714.0	749.9	790.6	833.9	885.6	939.7	1001.4
35°	598.7	608.6	623.1	644.4	671.4	700.5	742.0	787.7	838.1	894.1	955.9
37.5°	557.4	570.1	584.6	603.1	626.7	658.2	696.8	743.0	789.8	843.5	899.9
40°	533.3	545.2	561.3	574.8	599.7	628.3	663.6	711.9	758.6	809.0	860.4
42.5°	508.8	520.3	533.9	550.7	573.1	600.9	633.7	678.7	728.7	776.2	819.3
45°	470.4	482.4	495.4	510.9	531.7	558.7	591.4	632.4	676.1	719.7	752.4
47.5°	433.8	445.0	457.3	473.2	492.4	518.4	547.7	583.9	626.3	663.4	686.8
50°	407.6	418.0	431.5	447.1	465.8	490.2	518.2	554.0	589.3	623.1	644.4
52.5°	381.9	393.5	407.0	420.5	438.4	462.8	488.7	519.6	553.2	580.7	598.3
55°	343.2	354.1	366.6	380.6	398.3	419.0	446.6	471.0	497.4	520.8	531.2
57.5°	305.9	315.5	327.2	341.8	357.7	377.0	398.8	422.3	440.9	457.5	469.2
60°	281.4	289.7	300.6	313.1	330.2	347.9	367.6	389.4	404.0	418.0	428.9
62.5°	256.5	264.4	274.9	286.1	301.2	317.6	336.5	354.1	368.3	377.7	390.3
65°	219.1	226.9	235.7	247.7	259.6	273.1	290.3	303.2	313.1	323.5	331.3
67.5°	184.3	190.8	199.2	208.5	218.6	231.6	244.9	255.7	262.4	268.7	278.0
70°	161.5	166.7	173.4	180.7	191.6	204.6	215.0	223.3	228.0	234.2	245.6
72.5°	138.2	144.2	150.6	157.9	166.7	177.6	186.7	195.0	198.0	203.0	210.3
75°	109.0	112.2	117.4	122.5	128.8	138.1	146.9	149.0	151.6	155.8	161.0
77.5°	82.5	85.3	87.3	90.8	95.7	103.2	107.9	111.0	111.6	113.2	118.3
80°	65.4	67.0	69.1	71.7	73.7	80.0	82.6	85.7	86.7	88.3	90.9
82.5°	48.0	49.5	50.8	53.0	56.3	58.8	61.4	64.5	64.7	65.8	66.4
85°	28.0	28.6	27.5	28.6	29.1	30.1	32.7	35.3	34.8	34.3	35.8
87.5°	13.4	13.2	12.5	13.4	12.3	12.4	12.0	12.1	12.6	13.0	13.5
90°	17.3	16.2	14.6	13.1	11.5	9.9	8.2	6.4	4.6	2.8	1.0
92.5°	40.4	38.9	37.0	35.0	33.1	31.2	29.6	28.3	27.0	25.8	24.5
95°	79.6	78.0	75.8	73.5	71.3	69.0	67.7	67.2	66.8	66.3	65.9
97.5°	125.7	124.2	121.1	118.0	114.9	111.8	110.2	110.0	109.8	109.6	109.4
100°	157.1	155.0	152.1	149.2	146.2	143.3	141.9	141.9	141.9	141.9	141.9
102.5°	189.7	187.5	186.0	184.5	183.0	181.5	180.3	179.4	178.5	177.6	176.7
105°	243.5	242.2	240.8	239.5	238.1	236.8	235.5	234.4	233.3	232.1	231.0
107.5°	301.4	300.7	299.7	298.7	297.6	296.6	295.5	294.4	293.3	292.1	291.0
110°	341.1	340.5	339.8	339.1	338.4	337.8	336.9	335.7	334.6	333.5	332.3



TEST NUMBER: P333689

CATALOG NUMBER: S125RDIW-S850D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	381.3	381.0	380.1	379.3	378.4	377.6	376.8	376.3	375.7	375.1	374.5
115°	442.6	442.8	442.3	441.9	441.4	441.0	440.3	439.4	438.5	437.6	436.7
117.5°	503.0	502.8	502.4	502.0	501.6	501.2	500.8	500.3	499.9	499.5	499.1
120°	544.1	544.1	543.9	543.7	543.4	543.2	542.5	541.4	540.3	539.2	538.0
122.5°	584.5	584.7	584.1	583.5	582.9	582.3	581.8	581.4	581.0	580.6	580.2
125°	644.0	644.4	644.2	644.0	643.8	643.5	642.7	641.4	640.0	638.7	637.3
127.5°	702.6	702.8	702.5	702.3	702.0	701.7	701.2	700.4	699.7	698.9	698.1
130°	741.5	741.7	741.3	740.8	740.4	739.9	739.1	738.0	736.9	735.7	734.6
132.5°	778.8	779.0	779.1	779.2	779.3	779.4	778.5	776.6	774.8	772.9	771.1
135°	835.9	835.9	835.7	835.5	835.3	835.0	834.3	832.9	831.5	830.2	828.8
137.5°	891.5	891.3	890.8	890.3	889.8	889.3	888.4	887.1	885.8	884.5	883.2
140°	926.6	926.1	925.4	924.8	924.1	923.4	922.5	921.4	920.3	919.1	918.0
142.5°	961.2	961.0	960.1	959.3	958.4	957.6	956.7	955.7	954.8	953.8	952.9
145°	1011.2	1011.2	1010.6	1009.9	1009.2	1008.5	1007.7	1006.8	1005.9	1005.0	1004.1
147.5°	1056.8	1056.2	1055.7	1055.1	1054.6	1054.1	1053.5	1053.0	1052.6	1052.1	1051.6
150°	1086.2	1086.2	1085.3	1084.4	1083.5	1082.6	1082.3	1082.5	1082.7	1083.0	1083.2
152.5°	1112.7	1112.2	1111.8	1111.4	1111.1	1110.7	1110.4	1110.1	1109.7	1109.4	1109.1
155°	1151.0	1150.1	1149.8	1149.6	1149.4	1149.1	1149.0	1149.0	1149.0	1149.0	1149.0
157.5°	1184.4	1183.5	1183.3	1183.0	1182.8	1182.6	1182.7	1183.2	1183.7	1184.2	1184.7
160°	1204.7	1203.8	1203.5	1203.3	1203.1	1202.9	1203.1	1203.8	1204.4	1205.1	1205.8
162.5°	1223.5	1222.4	1222.4	1222.3	1222.3	1222.2	1222.4	1222.9	1223.4	1223.9	1224.4
165°	1249.2	1248.3	1248.1	1247.9	1247.7	1247.4	1247.5	1248.0	1248.4	1248.9	1249.4
167.5°	1267.7	1266.4	1266.4	1266.4	1266.4	1266.4	1266.8	1267.7	1268.6	1269.5	1270.4
170°	1279.1	1277.7	1277.7	1277.7	1277.7	1277.7	1278.2	1279.1	1280.0	1280.9	1281.8
172.5°	1287.2	1285.8	1285.8	1285.8	1285.8	1285.8	1286.3	1287.2	1288.1	1289.0	1289.9
175°	1296.3	1294.9	1294.9	1294.9	1294.9	1294.9	1295.4	1296.3	1297.2	1298.1	1299.0
177.5°	1300.7	1299.6	1299.8	1300.0	1300.1	1300.3	1300.8	1301.5	1302.2	1302.9	1303.7
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P333689

CATALOG NUMBER: S125RDIW-S850D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1271.1	1274.9	1280.3	1286.5	1291.5	1296.9	1299.8	1299.8	1302.3	1307.7	1314.7
5°	1274.8	1288.3	1301.2	1317.9	1330.8	1345.9	1357.3	1368.2	1378.1	1390.5	1403.5
7.5°	1273.7	1296.1	1319.5	1345.7	1374.6	1397.5	1421.1	1439.6	1457.8	1481.7	1500.5
10°	1269.6	1298.6	1330.3	1363.5	1399.9	1431.6	1460.1	1486.1	1511.0	1537.0	1560.3
12.5°	1262.1	1299.1	1337.8	1377.7	1423.6	1459.8	1496.7	1524.3	1553.4	1581.8	1610.6
15°	1250.9	1294.5	1341.2	1396.8	1452.9	1493.4	1529.7	1565.5	1592.5	1624.7	1652.3
17.5°	1227.7	1283.9	1342.7	1403.4	1457.3	1504.4	1542.5	1576.5	1605.3	1640.7	1678.1
20°	1214.0	1274.8	1336.0	1400.9	1452.3	1500.6	1537.5	1572.8	1608.6	1654.8	1700.5
22.5°	1194.9	1259.8	1324.8	1386.4	1440.7	1487.3	1525.4	1568.7	1615.7	1668.1	1723.4
25°	1164.7	1231.7	1296.0	1354.7	1407.7	1455.5	1507.4	1565.5	1622.7	1691.7	1771.2
27.5°	1126.4	1190.9	1248.4	1310.4	1363.0	1423.8	1488.6	1551.6	1634.0	1729.0	1828.2
30°	1097.7	1159.0	1213.5	1272.2	1331.9	1398.9	1471.6	1545.8	1643.9	1755.6	1873.5
32.5°	1064.5	1119.9	1174.0	1230.6	1299.5	1373.1	1450.4	1541.2	1658.5	1785.5	1907.5
35°	1006.8	1056.7	1109.1	1171.9	1245.2	1325.1	1423.8	1534.4	1676.1	1812.7	1922.3
37.5°	946.4	985.7	1038.4	1104.7	1184.4	1276.9	1388.9	1523.3	1668.9	1791.4	1838.0
40°	899.9	936.7	992.3	1061.9	1140.8	1242.0	1367.7	1505.8	1652.3	1737.4	1733.8
42.5°	853.7	891.0	944.5	1014.5	1096.8	1210.1	1339.5	1483.0	1606.6	1639.0	1571.4
45°	783.0	817.8	870.3	940.9	1029.2	1148.1	1284.1	1421.7	1500.6	1448.2	1314.2
47.5°	711.0	744.7	793.4	862.6	958.9	1083.4	1212.0	1324.9	1336.0	1223.4	1062.7
50°	663.6	695.3	741.5	815.2	908.7	1030.2	1154.3	1243.1	1215.6	1078.0	912.3
52.5°	617.5	647.9	691.2	760.8	856.3	975.4	1086.2	1155.8	1092.2	945.9	796.8
55°	549.4	578.4	622.1	685.9	772.6	881.7	978.8	1004.2	910.8	763.3	642.8
57.5°	484.7	506.0	549.1	605.5	689.1	785.3	854.9	850.3	747.2	614.4	528.0
60°	441.9	461.1	502.1	554.0	633.5	719.7	768.5	747.7	643.3	533.8	450.7
62.5°	402.0	420.0	454.3	502.1	570.3	645.3	680.8	652.2	553.6	457.4	391.3
65°	341.7	354.6	382.2	426.3	479.8	531.7	563.4	521.3	434.1	361.4	311.5
67.5°	285.3	296.5	321.0	352.7	389.5	425.4	438.2	398.8	331.0	282.0	246.9
70°	248.7	259.1	275.7	305.3	329.7	355.2	361.4	326.1	269.5	232.1	210.3
72.5°	213.8	223.4	237.9	258.8	275.7	290.4	293.3	260.5	217.1	191.4	174.6
75°	163.0	171.4	180.7	188.5	199.4	202.0	200.9	175.5	152.1	135.0	125.7
77.5°	119.8	123.3	129.0	132.1	132.6	132.4	127.1	111.0	99.0	91.9	88.1
80°	92.4	95.0	96.6	97.6	98.1	92.9	87.2	77.4	73.2	69.1	64.4
82.5°	67.1	68.9	70.4	70.6	67.8	63.5	58.2	53.3	50.4	48.3	46.5
85°	36.3	36.9	36.3	33.8	30.1	28.6	27.5	26.5	26.0	25.4	25.4
87.5°	13.4	12.6	10.8	11.6	12.0	11.9	12.2	12.1	12.0	12.2	12.4
90°	2.8	4.6	6.4	8.2	9.9	11.5	13.1	14.6	16.2	17.3	18.5
92.5°	25.8	27.0	28.3	29.6	31.2	33.1	35.0	37.0	38.9	40.4	41.9
95°	66.3	66.8	67.2	67.7	69.0	71.3	73.5	75.8	78.0	79.6	81.2
97.5°	109.6	109.8	110.0	110.2	111.8	114.9	118.0	121.1	124.2	125.7	127.2
100°	141.9	141.9	141.9	141.9	143.3	146.2	149.2	152.1	155.0	157.1	159.1
102.5°	177.6	178.5	179.4	180.3	181.5	183.0	184.5	186.0	187.5	189.7	191.9
105°	232.1	233.3	234.4	235.5	236.8	238.1	239.5	240.8	242.2	243.5	244.9
107.5°	292.1	293.3	294.4	295.5	296.6	297.6	298.7	299.7	300.7	301.4	302.1
110°	333.5	334.6	335.7	336.9	337.8	338.4	339.1	339.8	340.5	341.1	341.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	375.1	375.7	376.3	376.8	377.6	378.4	379.3	380.1	381.0	381.3	381.6
115°	437.6	438.5	439.4	440.3	441.0	441.4	441.9	442.3	442.8	442.6	442.3
117.5°	499.5	499.9	500.3	500.8	501.2	501.6	502.0	502.4	502.8	503.0	503.1
120°	539.2	540.3	541.4	542.5	543.2	543.4	543.7	543.9	544.1	544.1	544.1
122.5°	580.6	581.0	581.4	581.8	582.3	582.9	583.5	584.1	584.7	584.5	584.3
125°	638.7	640.0	641.4	642.7	643.5	643.8	644.0	644.2	644.4	644.0	643.5
127.5°	698.9	699.7	700.4	701.2	701.7	702.0	702.3	702.5	702.8	702.6	702.3
130°	735.7	736.9	738.0	739.1	739.9	740.4	740.8	741.3	741.7	741.5	741.3
132.5°	772.9	774.8	776.6	778.5	779.4	779.3	779.2	779.1	779.0	778.8	778.5
135°	830.2	831.5	832.9	834.3	835.0	835.3	835.5	835.7	835.9	835.9	835.9
137.5°	884.5	885.8	887.1	888.4	889.3	889.8	890.3	890.8	891.3	891.5	891.8
140°	919.1	920.3	921.4	922.5	923.4	924.1	924.8	925.4	926.1	926.6	927.0
142.5°	953.8	954.8	955.7	956.7	957.6	958.4	959.3	960.1	961.0	961.2	961.5
145°	1005.0	1005.9	1006.8	1007.7	1008.5	1009.2	1009.9	1010.6	1011.2	1011.2	1011.2
147.5°	1052.1	1052.6	1053.0	1053.5	1054.1	1054.6	1055.1	1055.7	1056.2	1056.8	1057.3
150°	1083.0	1082.7	1082.5	1082.3	1082.6	1083.5	1084.4	1085.3	1086.2	1086.2	1086.2
152.5°	1109.4	1109.7	1110.1	1110.4	1110.7	1111.1	1111.4	1111.8	1112.2	1112.7	1113.2
155°	1149.0	1149.0	1149.0	1149.0	1149.1	1149.4	1149.6	1149.8	1150.1	1151.0	1151.9
157.5°	1184.2	1183.7	1183.2	1182.7	1182.6	1182.8	1183.0	1183.3	1183.5	1184.4	1185.3
160°	1205.1	1204.4	1203.8	1203.1	1202.9	1203.1	1203.3	1203.5	1203.8	1204.7	1205.6
162.5°	1223.9	1223.4	1222.9	1222.4	1222.2	1222.3	1222.3	1222.4	1222.4	1223.5	1224.6
165°	1248.9	1248.4	1248.0	1247.5	1247.4	1247.7	1247.9	1248.1	1248.3	1249.2	1250.1
167.5°	1269.5	1268.6	1267.7	1266.8	1266.4	1266.4	1266.4	1266.4	1266.4	1267.7	1269.1
170°	1280.9	1280.0	1279.1	1278.2	1277.7	1277.7	1277.7	1277.7	1277.7	1279.1	1280.4
172.5°	1289.0	1288.1	1287.2	1286.3	1285.8	1285.8	1285.8	1285.8	1285.8	1287.2	1288.5
175°	1298.1	1297.2	1296.3	1295.4	1294.9	1294.9	1294.9	1294.9	1294.9	1296.3	1297.6
177.5°	1302.9	1302.2	1301.5	1300.8	1300.3	1300.1	1300.0	1299.8	1299.6	1300.7	1301.8
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1320.1	1320.1	1327.2	1326.8	1331.4	1329.7	1330.5
5°	1419.1	1427.9	1435.7	1440.9	1448.7	1450.8	1449.7
7.5°	1521.7	1541.3	1550.9	1564.0	1566.4	1573.2	1572.5
10°	1585.3	1604.5	1619.0	1630.4	1636.2	1643.4	1643.9
12.5°	1635.1	1651.4	1664.3	1674.9	1681.8	1684.1	1685.5
15°	1674.1	1692.2	1707.3	1722.3	1731.2	1737.9	1741.6
17.5°	1713.3	1741.4	1767.9	1788.4	1800.7	1811.0	1810.9
20°	1743.6	1775.8	1809.1	1832.4	1856.3	1866.7	1868.3
22.5°	1776.0	1825.3	1868.1	1904.3	1935.7	1946.5	1950.5
25°	1843.3	1907.7	1973.7	2024.6	2060.9	2082.2	2085.3
27.5°	1924.6	2011.8	2081.2	2128.1	2158.3	2174.1	2177.5
30°	1982.0	2062.5	2124.8	2160.1	2174.1	2176.2	2168.4
32.5°	2007.7	2067.9	2092.8	2090.7	2063.2	2044.9	2037.9
35°	1976.3	1963.8	1903.0	1830.4	1774.8	1739.5	1730.1
37.5°	1798.5	1691.0	1579.2	1469.4	1410.9	1381.2	1330.1
40°	1623.2	1470.0	1353.7	1261.3	1195.3	1142.3	1129.9
42.5°	1425.4	1267.3	1151.0	1071.8	1019.2	982.8	967.0
45°	1145.5	1009.4	913.4	852.6	812.1	785.6	773.7
47.5°	916.2	810.9	740.9	695.9	665.1	642.0	635.6
50°	790.3	706.2	647.0	609.1	585.7	568.1	560.8
52.5°	686.4	618.5	573.0	541.8	519.7	508.7	502.6
55°	566.5	507.8	475.1	450.2	437.7	428.9	424.7
57.5°	463.3	420.9	397.0	379.8	368.3	362.6	360.6
60°	405.5	372.3	350.5	337.0	329.2	321.9	319.9
62.5°	354.4	328.3	311.4	299.6	291.8	288.7	287.5
65°	285.6	268.5	256.0	248.7	242.5	241.5	240.9
67.5°	227.0	216.9	210.4	202.8	200.6	197.0	196.3
70°	194.2	187.4	179.7	177.1	174.5	170.8	171.4
72.5°	164.7	158.0	152.7	149.2	148.3	146.7	148.1
75°	120.5	118.4	116.3	113.7	112.7	112.7	112.2
77.5°	86.0	84.2	81.9	80.4	80.1	77.9	78.7
80°	62.3	59.7	58.7	59.2	57.6	57.1	57.1
82.5°	46.1	45.2	44.1	44.2	43.9	43.4	43.8
85°	25.4	24.9	24.9	24.4	24.4	23.9	23.9
87.5°	13.1	13.7	13.0	12.8	12.9	13.5	14.0
90°	19.6	20.7	21.6	22.3	23.0	23.6	24.3
92.5°	43.4	44.9	45.8	46.3	46.8	47.3	47.8
95°	82.7	84.3	85.3	85.8	86.2	86.7	87.1
97.5°	128.7	130.2	131.0	131.3	131.6	131.9	132.1
100°	161.1	163.1	164.4	164.8	165.3	165.7	166.2
102.5°	194.1	196.3	197.7	198.3	199.0	199.6	200.2
105°	246.2	247.6	248.6	249.3	249.9	250.6	251.3
107.5°	302.8	303.4	303.8	303.7	303.7	303.6	303.6
110°	342.5	343.2	343.4	343.2	342.9	342.7	342.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	381.9	382.2	382.2	381.8	381.4	381.0	380.6
115°	442.1	441.9	441.7	441.4	441.2	441.0	440.8
117.5°	503.3	503.5	503.1	502.2	501.3	500.4	499.5
120°	544.1	544.1	543.7	542.8	541.9	541.0	540.1
122.5°	584.1	583.9	583.5	582.8	582.0	581.3	580.6
125°	643.1	642.6	642.3	642.1	641.8	641.6	641.4
127.5°	702.1	701.9	701.6	701.1	700.7	700.2	699.8
130°	741.0	740.8	740.5	740.0	739.6	739.1	738.7
132.5°	778.3	778.1	777.7	777.0	776.4	775.8	775.1
135°	835.9	835.9	835.5	834.6	833.7	832.8	831.9
137.5°	892.1	892.3	891.9	890.8	889.7	888.5	887.4
140°	927.5	927.9	927.6	926.5	925.3	924.2	923.1
142.5°	961.8	962.1	961.6	960.5	959.4	958.3	957.1
145°	1011.2	1011.2	1010.9	1010.2	1009.5	1008.9	1008.2
147.5°	1057.8	1058.4	1057.9	1056.4	1054.8	1053.3	1051.8
150°	1086.2	1086.2	1086.0	1085.5	1085.1	1084.6	1084.2
152.5°	1113.8	1114.3	1114.2	1113.4	1112.6	1111.7	1110.9
155°	1152.8	1153.7	1153.5	1152.4	1151.3	1150.2	1149.0
157.5°	1186.2	1187.1	1186.8	1185.3	1183.8	1182.3	1180.9
160°	1206.5	1207.4	1207.2	1206.1	1205.0	1203.9	1202.7
162.5°	1225.6	1226.7	1226.6	1225.3	1224.0	1222.7	1221.4
165°	1251.0	1251.9	1251.7	1250.4	1249.0	1247.7	1246.3
167.5°	1270.4	1271.8	1271.8	1270.4	1269.0	1267.6	1266.2
170°	1281.8	1283.1	1283.0	1281.4	1279.9	1278.3	1276.7
172.5°	1289.9	1291.2	1291.2	1289.8	1288.4	1287.0	1285.6
175°	1299.0	1300.4	1300.2	1298.7	1297.1	1295.5	1293.9
177.5°	1302.9	1303.9	1303.8	1302.6	1301.3	1300.1	1298.8
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0

(END OF REPORT)