

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: P331841-927

Luminaire Tested: **S122RDIW-S865D1440U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331841-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIW-S865D1440U927-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1440 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7181.2 lumens
Efficiency: N/A
Efficacy: 93.7 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

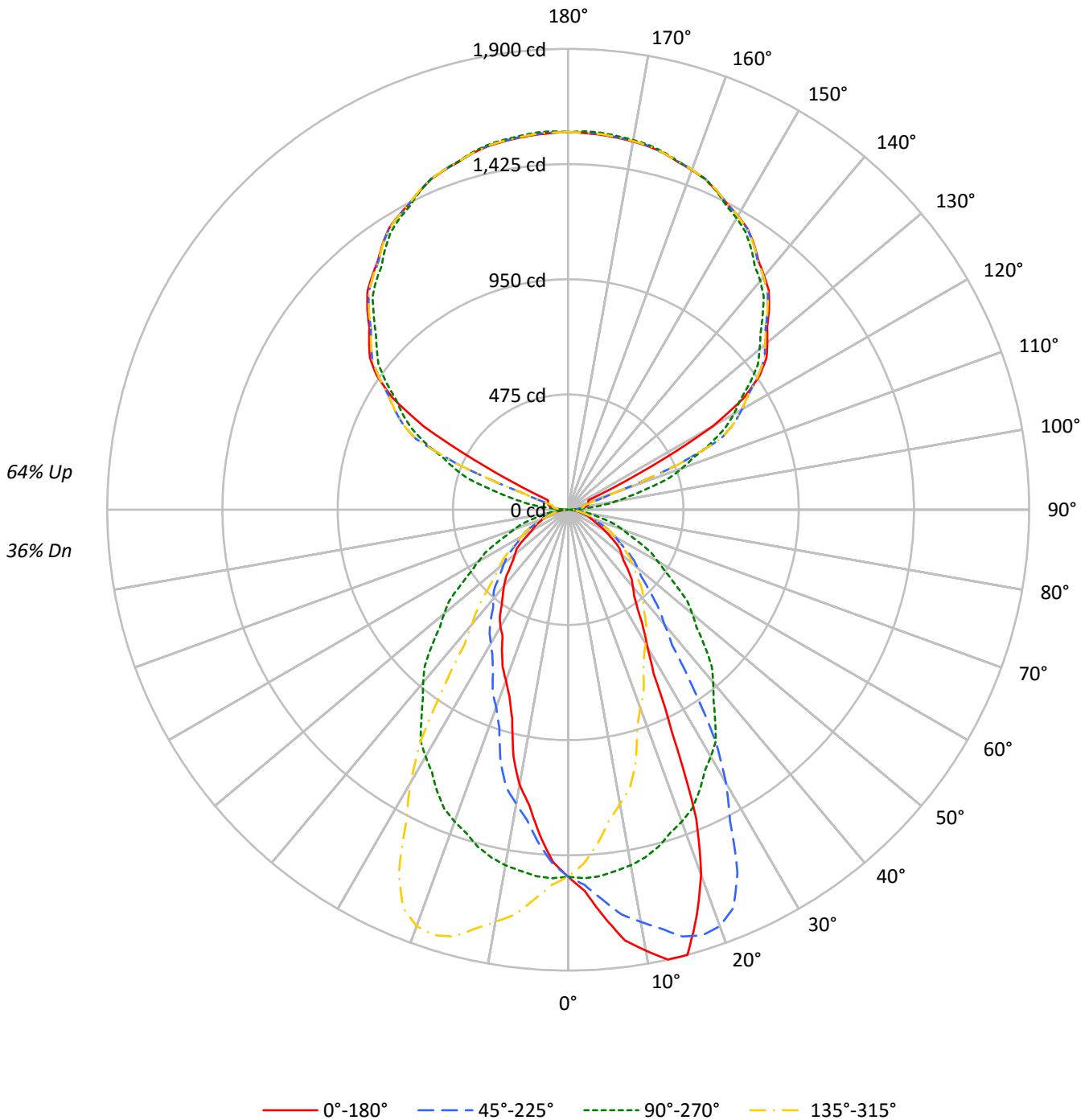
Input Watts (W): 76.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331841-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P331841-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A

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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	36																				
1	95	91	88	84	86	83	80	77	67	65	63	53	51	50	39	39	38	32																				
2	87	80	75	70	79	73	68	64	60	56	53	47	45	43	35	34	33	28																				
3	80	71	64	59	72	65	59	54	53	49	45	42	39	37	32	30	29	24																				
4	73	63	56	50	66	58	52	47	48	43	39	38	35	32	29	27	25	21																				
5	68	57	49	43	61	52	45	40	43	38	34	34	31	28	26	24	22	19																				
6	62	51	43	38	57	47	40	35	39	34	30	31	28	25	24	22	20	17																				
7	58	46	39	33	52	42	36	31	35	30	27	29	25	22	22	20	18	15																				
8	54	42	35	30	49	39	32	28	32	27	24	26	23	20	21	18	16	14																				
9	50	39	31	27	46	36	29	25	30	25	22	24	21	18	19	17	15	13																				
10	47	35	29	24	43	33	27	23	27	23	20	23	19	17	18	16	14	12																				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	24425	24425	24425	24425
5°	27279	24577	21793	24577
10°	30263	24405	18889	24405
15°	31753	24047	14883	24047
20°	27527	23517	12880	23517
25°	18054	22792	11500	22792
30°	12152	21912	10407	21912
35°	9841	20802	9386	20802
40°	8753	19597	8686	19597
45°	7921	18182	7752	18182
50°	7209	16779	7181	16779
55°	6776	15226	6688	15226
60°	5667	13798	5603	13798
65°	4779	12531	5421	12531
70°	4419	11188	5113	11188
75°	4130	9738	4722	9738
80°	3812	8015	4203	8015
85°	3501	6317	3705	6317



TEST NUMBER: P331841-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.4	2.0
10°-20°	399.6	5.6
20°-30°	514.9	7.2
30°-40°	489.3	6.8
40°-50°	419.2	5.8
50°-60°	319.2	4.4
60°-70°	201.8	2.8
70°-80°	100.8	1.4
80°-90°	30.1	0.4
90°-100°	51.9	0.7
100°-110°	190.5	2.7
110°-120°	509.1	7.1
120°-130°	840.4	11.7
130°-140°	893.8	12.4
140°-150°	830.7	11.6
150°-160°	667.9	9.3
160°-170°	430.4	6.0
170°-180°	148.2	2.1
0°-30°	1057.9	14.7
0°-40°	1547.2	21.5
0°-60°	2285.6	31.8
0°-90°	2618.2	36.5
90°-120°	751.5	10.5
90°-150°	3316.5	46.2
90°-180°	4563.0	63.5
0°-180°	7181.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1513	1513	1513	1513	1513	
5°	1683	1516	1345	1516	1683	166
15°	1900	1439	890	1439	1900	512
25°	1013	1279	646	1279	1013	481
35°	499	1055	476	1055	499	319
45°	347	796	340	796	347	269
55°	241	541	238	541	241	211
65°	125	328	142	328	125	127
75°	66	156	76	156	66	70
85°	19	34	20	34	19	21
90°	30	1	30	1	30	14
95°	48	73	48	73	48	45
105°	86	342	86	342	86	89
115°	92	648	92	648	92	231
125°	963	916	963	916	963	834
135°	1171	1134	1171	1134	1171	902
145°	1335	1315	1335	1315	1335	835
155°	1449	1448	1449	1448	1449	669
165°	1522	1526	1522	1526	1522	430
175°	1551	1560	1551	1560	1551	148
180°	1557	1557	1557	1557	1557	



TEST NUMBER: P331841-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1574.1	1575.4	1576.7	1573.7	1573.7	1571.2	1565.7	1561.5	1549.7	1548.1	1548.1
5°	1683.1	1682.0	1684.1	1677.3	1667.8	1665.7	1655.7	1642.6	1628.9	1613.7	1610.5
7.5°	1791.3	1789.7	1785.5	1784.4	1777.1	1761.3	1745.2	1728.1	1705.3	1683.1	1672.0
10°	1845.9	1863.3	1852.8	1834.4	1838.1	1813.4	1800.2	1777.7	1758.7	1725.6	1718.2
12.5°	1899.8	1906.6	1903.3	1892.8	1888.2	1871.0	1853.2	1833.6	1798.6	1768.9	1743.0
15°	1899.6	1909.6	1912.2	1909.1	1911.7	1910.7	1901.2	1884.8	1854.4	1821.8	1793.4
17.5°	1759.4	1766.3	1783.5	1795.2	1809.9	1841.0	1856.4	1862.3	1857.8	1839.2	1819.2
20°	1602.1	1590.5	1638.9	1663.6	1684.6	1737.2	1782.4	1799.8	1827.6	1827.1	1821.8
22.5°	1379.2	1382.0	1427.8	1457.1	1518.5	1571.1	1622.6	1687.9	1741.8	1777.4	1798.3
25°	1013.4	1033.4	1079.1	1119.0	1187.4	1285.2	1374.0	1477.0	1574.2	1651.0	1724.0
27.5°	761.1	762.6	798.8	835.8	876.3	956.4	1068.3	1191.3	1329.9	1444.3	1575.9
30°	651.8	648.6	663.8	686.4	721.1	783.2	867.3	988.2	1126.4	1298.8	1452.3
32.5°	574.4	574.6	586.1	602.8	631.6	673.4	731.0	829.3	959.9	1129.3	1309.3
35°	499.3	498.8	507.2	519.3	531.4	558.2	597.6	649.1	739.0	897.2	1081.2
37.5°	445.5	447.8	451.9	459.5	472.9	487.7	511.4	546.1	610.1	703.6	858.3
40°	415.3	416.3	422.1	428.4	436.3	447.8	467.3	495.1	541.9	616.6	729.5
42.5°	387.5	388.6	392.6	398.5	404.7	416.3	432.4	456.5	494.4	552.6	645.9
45°	346.9	346.9	350.6	353.2	360.0	370.6	383.7	403.7	429.9	473.1	535.1
47.5°	308.9	309.0	311.4	315.9	320.2	328.4	341.4	357.7	376.8	410.1	463.1
50°	287.0	287.5	289.1	292.8	295.4	302.8	312.8	326.9	346.9	372.6	416.8
52.5°	269.3	269.0	271.0	272.6	274.4	279.6	287.1	299.6	317.5	339.8	376.4
55°	240.7	238.6	241.8	244.4	246.0	248.1	252.3	260.2	275.4	294.4	321.7
57.5°	205.0	204.1	206.4	208.7	213.7	219.4	223.0	228.0	235.9	249.5	276.6
60°	175.5	175.5	180.3	181.9	187.7	195.0	202.4	206.6	214.4	223.4	243.4
62.5°	149.5	149.9	152.1	153.7	156.9	166.0	176.3	185.5	193.0	201.5	214.8
65°	125.1	126.1	126.1	127.2	129.3	131.4	135.6	143.0	156.1	168.2	178.2
67.5°	106.2	106.5	106.8	107.9	108.4	110.7	112.4	115.7	118.7	130.2	142.5
70°	93.6	95.1	94.6	95.7	96.2	97.2	99.3	100.9	105.7	108.3	115.7
72.5°	81.8	82.9	82.9	83.5	84.8	85.1	86.7	88.3	91.3	93.6	97.5
75°	66.2	65.7	66.2	67.3	67.8	68.4	68.4	70.4	72.0	74.1	76.8
77.5°	51.1	51.7	51.5	51.7	51.7	52.7	52.6	53.5	55.1	56.2	57.4
80°	41.0	41.5	41.0	41.5	42.1	42.5	42.1	42.5	44.1	45.2	45.2
82.5°	31.8	31.8	32.2	32.2	32.4	32.5	33.2	33.4	34.5	34.3	34.7
85°	18.9	18.4	18.4	18.4	18.9	19.4	18.9	18.9	19.4	19.4	19.4
87.5°	12.8	13.2	13.1	12.9	12.8	12.7	12.4	12.6	11.9	12.0	11.2
90°	30.4	29.9	29.4	28.9	28.4	27.6	26.3	25.0	23.8	22.5	20.5
92.5°	30.4	30.1	29.8	29.5	29.2	28.8	28.1	27.4	26.8	26.1	25.1
95°	48.5	48.7	49.0	49.2	49.4	49.0	47.7	46.4	45.2	44.0	42.2
97.5°	64.6	64.4	64.1	63.8	63.5	62.8	61.8	60.8	59.8	58.8	54.7
100°	75.5	75.0	74.5	74.0	73.5	72.2	70.3	68.2	66.2	64.2	60.0
102.5°	80.9	80.2	79.5	78.8	78.1	76.4	73.8	71.2	68.6	66.0	101.6
105°	85.6	84.6	83.7	82.6	81.6	79.8	77.0	74.2	71.5	68.8	137.0
107.5°	88.1	87.1	86.1	85.1	84.1	85.0	87.8	90.6	93.4	96.3	178.2
110°	89.0	88.0	87.0	86.0	85.0	97.0	122.1	147.1	172.1	197.2	269.5



TEST NUMBER: P331841-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	89.9	89.1	88.3	87.5	86.7	132.0	223.3	314.7	406.0	497.3	515.2
115°	92.4	110.4	128.4	146.5	164.5	231.5	347.4	463.3	579.2	695.1	688.9
117.5°	377.2	436.4	495.7	554.9	614.2	657.8	685.9	713.9	742.0	770.0	765.6
120°	687.3	721.0	754.9	788.7	822.4	837.9	834.9	831.9	828.9	825.9	821.3
122.5°	857.6	864.2	870.8	877.3	883.8	886.2	884.5	882.6	880.8	879.0	874.1
125°	963.3	962.6	961.8	961.1	960.3	959.0	957.3	955.5	953.8	952.0	947.3
127.5°	1030.0	1029.8	1029.7	1029.5	1029.4	1028.0	1025.5	1022.9	1020.4	1017.9	1014.3
130°	1071.4	1071.7	1072.0	1072.2	1072.5	1071.2	1068.5	1065.7	1063.0	1060.2	1057.4
132.5°	1112.0	1112.3	1112.5	1112.8	1113.0	1112.0	1109.6	1107.2	1104.9	1102.6	1099.8
135°	1170.6	1171.1	1171.6	1172.1	1172.6	1171.6	1169.1	1166.6	1164.1	1161.6	1159.4
137.5°	1224.0	1224.9	1225.7	1226.5	1227.4	1226.6	1224.2	1221.7	1219.2	1216.8	1214.3
140°	1257.4	1258.6	1259.9	1261.2	1262.3	1261.9	1259.6	1257.4	1255.1	1252.8	1250.1
142.5°	1289.8	1291.1	1292.3	1293.6	1294.8	1294.4	1292.4	1290.3	1288.2	1286.2	1283.0
145°	1335.1	1336.3	1337.6	1338.9	1340.1	1339.9	1338.1	1336.3	1334.6	1332.8	1328.6
147.5°	1375.0	1376.0	1377.1	1378.2	1379.2	1379.1	1377.8	1376.5	1375.1	1373.9	1369.7
150°	1399.3	1400.6	1401.8	1403.1	1404.3	1404.2	1402.7	1401.2	1399.7	1398.2	1394.2
152.5°	1420.1	1421.7	1423.4	1425.0	1426.6	1426.7	1425.2	1423.7	1422.2	1420.7	1416.9
155°	1448.9	1450.9	1452.9	1454.9	1456.9	1457.1	1455.6	1454.1	1452.6	1451.1	1448.2
157.5°	1475.3	1477.2	1479.2	1481.1	1483.0	1483.2	1481.5	1479.8	1478.1	1476.4	1474.3
160°	1490.6	1492.3	1494.1	1495.9	1497.6	1497.7	1496.2	1494.7	1493.2	1491.7	1490.2
162.5°	1503.2	1505.4	1507.5	1509.7	1511.8	1512.0	1510.4	1508.6	1507.0	1505.2	1504.0
165°	1522.1	1523.9	1525.7	1527.4	1529.1	1529.1	1527.4	1525.7	1523.9	1522.1	1521.4
167.5°	1534.1	1536.4	1538.6	1540.9	1543.1	1543.3	1541.6	1539.8	1538.1	1536.4	1535.6
170°	1541.3	1543.6	1545.8	1548.1	1550.3	1550.5	1548.8	1547.1	1545.3	1543.6	1543.0
172.5°	1546.7	1549.0	1551.2	1553.5	1555.7	1555.9	1554.2	1552.4	1550.7	1549.0	1548.5
175°	1551.4	1553.9	1556.4	1558.9	1561.5	1561.8	1560.0	1558.3	1556.6	1554.8	1554.3
177.5°	1554.3	1556.2	1558.0	1559.7	1561.5	1561.8	1560.4	1558.9	1557.6	1556.2	1555.9
180°	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0



TEST NUMBER: P331841-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1548.9	1545.5	1542.6	1535.0	1531.2	1522.8	1521.5	1521.1	1510.2	1499.7	1496.7
5°	1602.1	1593.7	1581.0	1566.4	1551.1	1535.3	1524.8	1516.4	1495.4	1475.4	1463.9
7.5°	1655.7	1637.6	1615.9	1588.0	1564.8	1538.7	1519.3	1502.0	1472.2	1443.6	1424.3
10°	1695.7	1666.2	1637.3	1598.9	1569.0	1539.5	1512.2	1488.6	1454.9	1417.1	1390.3
12.5°	1720.5	1688.1	1648.2	1610.7	1571.9	1534.5	1497.9	1467.5	1428.0	1388.9	1357.0
15°	1754.0	1719.3	1671.0	1617.3	1567.4	1518.5	1476.5	1438.6	1387.1	1340.3	1301.4
17.5°	1781.5	1733.7	1681.8	1619.8	1561.9	1499.8	1445.7	1397.3	1340.0	1283.6	1237.7
20°	1790.3	1743.0	1683.1	1621.0	1552.7	1479.6	1421.3	1368.7	1307.2	1245.7	1193.2
22.5°	1784.8	1748.0	1681.3	1607.1	1537.2	1460.7	1394.8	1333.8	1265.6	1202.8	1141.9
25°	1747.7	1735.0	1672.0	1591.0	1511.2	1422.4	1346.1	1279.4	1201.6	1134.3	1068.0
27.5°	1661.2	1688.4	1649.3	1563.1	1474.3	1379.0	1293.3	1217.3	1136.6	1060.9	994.9
30°	1577.9	1640.5	1623.7	1543.7	1444.4	1350.8	1254.7	1175.3	1089.1	1011.3	946.1
32.5°	1464.0	1567.3	1583.7	1516.9	1414.1	1311.3	1210.5	1131.6	1041.6	959.6	896.0
35°	1282.5	1437.0	1508.0	1465.5	1362.4	1251.5	1147.4	1055.4	965.0	884.1	821.0
37.5°	1066.0	1276.5	1394.8	1397.8	1303.2	1187.9	1074.6	983.3	890.7	811.3	743.0
40°	925.6	1153.7	1307.7	1341.9	1262.0	1137.4	1022.9	929.8	839.4	761.6	683.3
42.5°	799.5	1026.7	1216.1	1275.5	1212.0	1088.2	973.3	876.0	788.1	714.5	634.5
45°	646.5	845.2	1053.8	1160.1	1124.8	1010.3	888.8	796.3	713.8	650.2	573.5
47.5°	545.4	685.4	887.3	1030.9	1030.3	925.7	806.3	717.7	641.1	581.5	519.4
50°	487.7	609.7	780.5	943.5	957.1	869.3	755.8	668.0	596.6	534.0	484.1
52.5°	436.0	536.5	690.1	846.4	885.3	809.2	699.1	618.1	548.7	491.2	448.4
55°	368.4	446.2	562.9	709.1	767.9	714.3	616.6	540.9	484.7	436.3	399.5
57.5°	311.7	370.0	463.7	581.3	649.9	616.2	535.5	474.0	425.9	382.1	353.1
60°	275.9	323.8	403.1	501.5	577.1	553.5	484.7	427.3	386.3	348.5	321.2
62.5°	242.3	283.4	351.4	431.2	500.6	490.8	434.6	386.5	350.6	316.1	292.9
65°	195.0	225.0	278.1	340.6	396.3	401.1	360.6	328.0	296.0	268.6	248.1
67.5°	155.3	174.8	212.2	264.9	306.7	321.5	296.8	272.0	246.5	225.4	207.6
70°	130.9	146.6	174.0	216.6	254.9	270.7	256.5	237.0	215.0	197.6	182.4
72.5°	106.1	121.4	141.6	172.9	205.7	222.8	217.9	203.8	185.9	171.6	157.2
75°	79.9	84.6	98.3	119.3	145.0	159.8	163.5	156.1	141.9	130.9	122.5
77.5°	59.1	61.9	68.4	79.5	96.3	109.4	114.8	113.9	104.2	97.8	89.9
80°	47.3	48.9	52.0	56.8	69.4	82.5	86.2	86.2	79.4	76.8	68.8
82.5°	36.0	37.1	39.0	41.6	47.5	58.9	63.1	63.9	59.6	56.2	49.9
85°	20.5	20.0	21.0	22.6	23.7	26.8	33.1	34.1	33.1	28.9	27.3
87.5°	10.9	10.9	10.5	9.6	9.4	9.3	10.9	12.4	11.2	10.6	10.3
90°	18.5	16.6	14.5	12.1	9.4	6.7	3.9	1.1	3.9	6.7	9.4
92.5°	24.2	23.1	22.1	21.8	22.0	22.3	22.5	22.7	22.5	22.3	22.0
95°	40.4	38.7	36.9	40.2	48.5	56.7	65.0	73.2	65.0	56.7	48.5
97.5°	50.7	46.7	42.6	52.2	75.5	98.8	122.1	145.4	122.1	98.8	75.5
100°	55.7	51.4	47.2	62.2	96.5	130.8	165.1	199.4	165.1	130.8	96.5
102.5°	137.2	172.9	208.4	229.9	237.1	244.4	251.7	258.9	251.7	244.4	237.1
105°	205.4	273.8	342.1	372.6	365.0	357.5	350.0	342.5	350.0	357.5	365.0
107.5°	260.2	342.1	424.1	462.1	456.0	450.0	443.9	437.8	443.9	450.0	456.0
110°	341.9	414.2	486.6	520.1	514.9	509.6	504.4	499.2	504.4	509.6	514.9



TEST NUMBER: P331841-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	533.1	551.0	568.8	575.4	570.8	566.1	561.4	556.8	561.4	566.1	570.8
115°	682.6	676.4	670.1	664.9	660.6	656.3	652.1	647.8	652.1	656.3	660.6
117.5°	761.4	757.0	752.7	748.2	743.5	738.7	734.0	729.2	734.0	738.7	743.5
120°	816.8	812.3	807.8	803.7	799.9	796.1	792.4	788.7	792.4	796.1	799.9
122.5°	869.2	864.3	859.4	855.0	851.0	847.1	843.1	839.2	843.1	847.1	851.0
125°	942.5	937.8	933.0	929.0	925.7	922.5	919.2	916.0	919.2	922.5	925.7
127.5°	1010.7	1007.2	1003.6	1000.1	996.4	992.8	989.2	985.6	989.2	992.8	996.4
130°	1054.7	1051.9	1049.2	1045.8	1041.8	1037.8	1033.8	1029.8	1033.8	1037.8	1041.8
132.5°	1097.0	1094.3	1091.5	1088.5	1085.1	1081.6	1078.2	1074.8	1078.2	1081.6	1085.1
135°	1157.1	1154.8	1152.5	1149.5	1145.4	1141.5	1137.4	1133.5	1137.4	1141.5	1145.4
137.5°	1211.7	1209.1	1206.6	1203.9	1201.1	1198.3	1195.5	1192.7	1195.5	1198.3	1201.1
140°	1247.4	1244.6	1241.8	1239.4	1237.5	1235.5	1233.4	1231.4	1233.4	1235.5	1237.5
142.5°	1279.9	1276.8	1273.6	1271.1	1269.3	1267.5	1265.7	1263.9	1265.7	1267.5	1269.3
145°	1324.4	1320.1	1315.8	1313.8	1314.1	1314.3	1314.5	1314.9	1314.5	1314.3	1314.1
147.5°	1365.5	1361.2	1357.0	1355.4	1356.4	1357.3	1358.3	1359.2	1358.3	1357.3	1356.4
150°	1390.2	1386.2	1382.2	1381.0	1382.8	1384.6	1386.3	1388.1	1386.3	1384.6	1382.8
152.5°	1413.1	1409.3	1405.5	1404.6	1406.5	1408.5	1410.5	1412.4	1410.5	1408.5	1406.5
155°	1445.2	1442.2	1439.2	1438.8	1441.0	1443.3	1445.5	1447.8	1445.5	1443.3	1441.0
157.5°	1472.2	1470.1	1468.0	1467.9	1469.8	1471.7	1473.6	1475.5	1473.6	1471.7	1469.8
160°	1488.7	1487.2	1485.7	1485.7	1487.2	1488.7	1490.2	1491.7	1490.2	1488.7	1487.2
162.5°	1502.6	1501.3	1500.0	1500.2	1501.7	1503.2	1504.7	1506.1	1504.7	1503.2	1501.7
165°	1520.6	1519.9	1519.2	1519.5	1521.0	1522.5	1524.0	1525.5	1524.0	1522.5	1521.0
167.5°	1534.9	1534.2	1533.5	1533.9	1535.4	1536.9	1538.4	1539.9	1538.4	1536.9	1535.4
170°	1542.5	1542.1	1541.5	1542.1	1543.6	1545.1	1546.6	1548.1	1546.6	1545.1	1543.6
172.5°	1547.9	1547.4	1547.0	1547.4	1549.0	1550.5	1552.0	1553.5	1552.0	1550.5	1549.0
175°	1553.8	1553.3	1552.8	1553.5	1555.2	1557.0	1558.7	1560.4	1558.7	1557.0	1555.2
177.5°	1555.8	1555.5	1555.4	1555.9	1557.4	1558.8	1560.2	1561.5	1560.2	1558.8	1557.4
180°	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0



TEST NUMBER: P331841-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1491.3	1488.4	1482.9	1474.5	1469.4	1460.6	1454.7	1458.1	1458.9	1458.1	1457.2
5°	1451.2	1440.2	1425.0	1410.2	1396.5	1381.9	1373.4	1369.8	1362.4	1358.2	1356.1
7.5°	1402.8	1383.8	1362.2	1336.6	1314.8	1292.0	1280.3	1274.5	1259.5	1251.3	1244.1
10°	1366.6	1336.6	1315.1	1281.4	1261.0	1231.0	1210.5	1211.0	1190.5	1178.9	1170.5
12.5°	1326.7	1293.8	1257.9	1227.6	1199.1	1175.0	1150.4	1140.3	1118.6	1107.5	1084.7
15°	1260.4	1222.1	1184.2	1143.2	1114.3	1077.0	1041.2	997.6	962.4	931.9	923.5
17.5°	1188.1	1140.6	1102.6	1054.5	1005.0	942.2	900.8	875.4	854.2	838.1	826.2
20°	1138.5	1090.1	1049.6	977.2	910.4	867.8	837.3	817.8	795.8	778.5	769.0
22.5°	1086.3	1035.9	980.7	899.8	847.7	813.6	786.4	764.1	749.1	735.5	726.9
25°	1012.3	957.1	866.3	810.5	768.4	732.7	713.8	700.1	684.4	666.0	657.5
27.5°	934.1	846.4	781.1	739.7	699.5	676.3	659.3	638.8	624.7	616.5	607.7
30°	875.7	787.9	736.9	691.7	663.3	637.5	617.6	606.0	592.4	578.2	572.4
32.5°	810.5	740.4	691.5	653.9	625.0	603.1	587.3	568.6	558.7	550.0	537.9
35°	729.5	676.4	631.8	601.3	574.0	556.1	537.7	526.6	508.8	501.5	496.7
37.5°	661.0	615.0	581.6	549.5	527.8	508.0	496.8	479.3	471.5	461.3	451.3
40°	622.3	577.1	545.1	518.8	494.6	479.9	465.7	451.5	440.0	435.2	423.1
42.5°	582.8	546.1	514.0	485.1	469.0	453.4	435.5	425.0	413.0	405.4	397.9
45°	528.2	495.7	468.3	444.7	426.8	410.5	398.9	381.6	374.8	359.5	353.2
47.5°	480.3	450.0	424.0	401.5	384.0	373.4	356.5	342.9	332.0	322.7	314.5
50°	446.2	421.0	395.8	375.8	360.0	344.8	327.5	320.6	303.8	299.0	294.4
52.5°	415.1	391.2	368.0	348.5	332.7	317.9	302.6	293.7	282.3	277.7	274.2
55°	371.6	348.5	326.4	309.0	293.3	278.1	268.6	257.5	252.3	248.6	244.4
57.5°	327.9	307.0	290.2	272.6	256.7	244.6	233.7	227.0	221.6	216.7	211.8
60°	300.2	280.1	264.9	248.6	232.3	222.4	213.9	206.0	199.7	192.3	190.3
62.5°	270.7	253.3	239.2	223.4	209.2	200.0	192.0	184.6	177.1	166.3	163.3
65°	230.2	216.6	201.8	188.7	176.1	167.2	155.6	147.2	144.0	143.0	142.4
67.5°	193.6	180.7	168.1	154.6	143.1	134.9	129.0	127.7	125.5	124.8	123.4
70°	169.2	157.2	144.6	131.9	120.9	119.3	117.2	115.1	112.5	111.5	110.4
72.5°	147.3	134.9	122.2	112.2	107.4	105.4	103.3	101.2	99.4	98.4	97.8
75°	113.0	101.5	93.0	89.4	86.7	85.2	82.0	80.4	79.4	77.8	77.2
77.5°	81.4	74.9	71.0	68.7	65.9	64.2	62.4	60.8	59.7	59.4	58.5
80°	62.0	58.9	56.2	53.1	52.0	49.9	49.4	47.8	48.3	46.8	46.8
82.5°	48.2	44.1	41.9	40.5	39.5	37.7	37.2	36.4	36.6	35.4	35.4
85°	24.7	23.7	22.6	21.5	21.5	20.0	20.5	20.0	20.0	18.9	18.4
87.5°	10.5	10.5	10.1	10.5	10.9	10.9	11.1	10.9	11.2	11.4	11.2
90°	12.1	14.5	16.6	18.5	20.5	22.5	23.8	25.0	26.3	27.6	28.4
92.5°	21.8	22.1	23.1	24.2	25.1	26.1	26.8	27.4	28.1	28.8	29.2
95°	40.2	36.9	38.7	40.4	42.2	44.0	45.2	46.4	47.7	49.0	49.4
97.5°	52.2	42.6	46.7	50.7	54.7	58.8	59.8	60.8	61.8	62.8	63.5
100°	62.2	47.2	51.4	55.7	60.0	64.2	66.2	68.2	70.3	72.2	73.5
102.5°	229.9	208.4	172.9	137.2	101.6	66.0	68.6	71.2	73.8	76.4	78.1
105°	372.6	342.1	273.8	205.4	137.0	68.8	71.5	74.2	77.0	79.8	81.6
107.5°	462.1	424.1	342.1	260.2	178.2	96.3	93.4	90.6	87.8	85.0	84.1
110°	520.1	486.6	414.2	341.9	269.5	197.2	172.1	147.1	122.1	97.0	85.0



TEST NUMBER: P331841-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	575.4	568.8	551.0	533.1	515.2	497.3	406.0	314.7	223.3	132.0	86.7
115°	664.9	670.1	676.4	682.6	688.9	695.1	579.2	463.3	347.4	231.5	164.5
117.5°	748.2	752.7	757.0	761.4	765.6	770.0	742.0	713.9	685.9	657.8	614.2
120°	803.7	807.8	812.3	816.8	821.3	825.9	828.9	831.9	834.9	837.9	822.4
122.5°	855.0	859.4	864.3	869.2	874.1	879.0	880.8	882.6	884.5	886.2	883.8
125°	929.0	933.0	937.8	942.5	947.3	952.0	953.8	955.5	957.3	959.0	960.3
127.5°	1000.1	1003.6	1007.2	1010.7	1014.3	1017.9	1020.4	1022.9	1025.5	1028.0	1029.4
130°	1045.8	1049.2	1051.9	1054.7	1057.4	1060.2	1063.0	1065.7	1068.5	1071.2	1072.5
132.5°	1088.5	1091.5	1094.3	1097.0	1099.8	1102.6	1104.9	1107.2	1109.6	1112.0	1113.0
135°	1149.5	1152.5	1154.8	1157.1	1159.4	1161.6	1164.1	1166.6	1169.1	1171.6	1172.6
137.5°	1203.9	1206.6	1209.1	1211.7	1214.3	1216.8	1219.2	1221.7	1224.2	1226.6	1227.4
140°	1239.4	1241.8	1244.6	1247.4	1250.1	1252.8	1255.1	1257.4	1259.6	1261.9	1262.3
142.5°	1271.1	1273.6	1276.8	1279.9	1283.0	1286.2	1288.2	1290.3	1292.4	1294.4	1294.8
145°	1313.8	1315.8	1320.1	1324.4	1328.6	1332.8	1334.6	1336.3	1338.1	1339.9	1340.1
147.5°	1355.4	1357.0	1361.2	1365.5	1369.7	1373.9	1375.1	1376.5	1377.8	1379.1	1379.2
150°	1381.0	1382.2	1386.2	1390.2	1394.2	1398.2	1399.7	1401.2	1402.7	1404.2	1404.3
152.5°	1404.6	1405.5	1409.3	1413.1	1416.9	1420.7	1422.2	1423.7	1425.2	1426.7	1426.6
155°	1438.8	1439.2	1442.2	1445.2	1448.2	1451.1	1452.6	1454.1	1455.6	1457.1	1456.9
157.5°	1467.9	1468.0	1470.1	1472.2	1474.3	1476.4	1478.1	1479.8	1481.5	1483.2	1483.0
160°	1485.7	1485.7	1487.2	1488.7	1490.2	1491.7	1493.2	1494.7	1496.2	1497.7	1497.6
162.5°	1500.2	1500.0	1501.3	1502.6	1504.0	1505.2	1507.0	1508.6	1510.4	1512.0	1511.8
165°	1519.5	1519.2	1519.9	1520.6	1521.4	1522.1	1523.9	1525.7	1527.4	1529.1	1529.1
167.5°	1533.9	1533.5	1534.2	1534.9	1535.6	1536.4	1538.1	1539.8	1541.6	1543.3	1543.1
170°	1542.1	1541.5	1542.1	1542.5	1543.0	1543.6	1545.3	1547.1	1548.8	1550.5	1550.3
172.5°	1547.4	1547.0	1547.4	1547.9	1548.5	1549.0	1550.7	1552.4	1554.2	1555.9	1555.7
175°	1553.5	1552.8	1553.3	1553.8	1554.3	1554.8	1556.6	1558.3	1560.0	1561.8	1561.5
177.5°	1555.9	1555.4	1555.5	1555.8	1555.9	1556.2	1557.6	1558.9	1560.4	1561.8	1561.5
180°	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0



TEST NUMBER: P331841-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1452.6	1453.4	1452.1	1453.0	1452.1	1453.4	1452.6	1457.2	1458.1	1458.9	1458.1
5°	1353.4	1347.2	1346.1	1344.6	1346.1	1347.2	1353.4	1356.1	1358.2	1362.4	1369.8
7.5°	1235.1	1234.1	1231.5	1227.9	1231.5	1234.1	1235.1	1244.1	1251.3	1259.5	1274.5
10°	1159.0	1156.3	1155.9	1152.1	1155.9	1156.3	1159.0	1170.5	1178.9	1190.5	1211.0
12.5°	1069.8	1052.9	1051.1	1042.0	1051.1	1052.9	1069.8	1084.7	1107.5	1118.6	1140.3
15°	910.9	907.8	897.2	890.4	897.2	907.8	910.9	923.5	931.9	962.4	997.6
17.5°	820.1	809.8	806.5	805.0	806.5	809.8	820.1	826.2	838.1	854.2	875.4
20°	761.6	752.2	750.6	749.6	750.6	752.2	761.6	769.0	778.5	795.8	817.8
22.5°	721.3	711.4	707.3	704.1	707.3	711.4	721.3	726.9	735.5	749.1	764.1
25°	652.3	648.6	646.5	645.5	646.5	648.6	652.3	657.5	666.0	684.4	700.1
27.5°	598.3	590.3	588.7	586.0	588.7	590.3	598.3	607.7	616.5	624.7	638.8
30°	567.7	565.1	561.3	558.2	561.3	565.1	567.7	572.4	578.2	592.4	606.0
32.5°	531.5	529.3	526.0	524.6	526.0	529.3	531.5	537.9	550.0	558.7	568.6
35°	491.5	484.1	480.9	476.2	480.9	484.1	491.5	496.7	501.5	508.8	526.6
37.5°	449.1	445.2	440.8	442.4	440.8	445.2	449.1	451.3	461.3	471.5	479.3
40°	416.3	413.7	412.6	412.1	412.6	413.7	416.3	423.1	435.2	440.0	451.5
42.5°	390.2	382.9	380.2	380.1	380.2	382.9	390.2	397.9	405.4	413.0	425.0
45°	350.6	343.7	339.1	339.5	339.1	343.7	350.6	353.2	359.5	374.8	381.6
47.5°	310.0	309.8	306.9	307.8	306.9	309.8	310.0	314.5	322.7	332.0	342.9
50°	290.7	287.5	285.4	285.9	285.4	287.5	290.7	294.4	299.0	303.8	320.6
52.5°	272.2	269.4	267.8	270.0	267.8	269.4	272.2	274.2	277.7	282.3	293.7
55°	241.8	238.6	238.1	237.6	238.1	238.6	241.8	244.4	248.6	252.3	257.5
57.5°	207.9	205.7	202.6	201.2	202.6	205.7	207.9	211.8	216.7	221.6	227.0
60°	183.5	179.3	174.0	173.5	174.0	179.3	183.5	190.3	192.3	199.7	206.0
62.5°	161.1	160.3	159.2	159.1	159.2	160.3	161.1	163.3	166.3	177.1	184.6
65°	141.4	140.9	141.4	141.9	141.4	140.9	141.4	142.4	143.0	144.0	147.2
67.5°	123.2	122.2	121.3	121.8	121.3	122.2	123.2	123.4	124.8	125.5	127.7
70°	109.3	108.8	108.3	108.3	108.3	108.8	109.3	110.4	111.5	112.5	115.1
72.5°	95.9	95.8	95.2	94.8	95.2	95.8	95.9	97.8	98.4	99.4	101.2
75°	76.8	75.7	75.7	75.7	75.7	75.7	76.8	77.2	77.8	79.4	80.4
77.5°	58.5	57.9	57.4	57.0	57.4	57.9	58.5	58.5	59.4	59.7	60.8
80°	46.3	45.7	45.2	45.2	45.2	45.7	46.3	46.8	46.8	48.3	47.8
82.5°	35.3	34.8	34.7	34.3	34.7	34.8	35.3	35.4	35.4	36.6	36.4
85°	18.9	19.4	18.9	20.0	18.9	19.4	18.9	18.4	18.9	20.0	20.0
87.5°	11.2	10.9	11.5	11.1	11.5	10.9	11.2	11.2	11.4	11.2	10.9
90°	28.9	29.4	29.9	30.4	29.9	29.4	28.9	28.4	27.6	26.3	25.0
92.5°	29.5	29.8	30.1	30.4	30.1	29.8	29.5	29.2	28.8	28.1	27.4
95°	49.2	49.0	48.7	48.5	48.7	49.0	49.2	49.4	49.0	47.7	46.4
97.5°	63.8	64.1	64.4	64.6	64.4	64.1	63.8	63.5	62.8	61.8	60.8
100°	74.0	74.5	75.0	75.5	75.0	74.5	74.0	73.5	72.2	70.3	68.2
102.5°	78.8	79.5	80.2	80.9	80.2	79.5	78.8	78.1	76.4	73.8	71.2
105°	82.6	83.7	84.6	85.6	84.6	83.7	82.6	81.6	79.8	77.0	74.2
107.5°	85.1	86.1	87.1	88.1	87.1	86.1	85.1	84.1	85.0	87.8	90.6
110°	86.0	87.0	88.0	89.0	88.0	87.0	86.0	85.0	97.0	122.1	147.1



TEST NUMBER: P331841-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	87.5	88.3	89.1	89.9	89.1	88.3	87.5	86.7	132.0	223.3	314.7
115°	146.5	128.4	110.4	92.4	110.4	128.4	146.5	164.5	231.5	347.4	463.3
117.5°	554.9	495.7	436.4	377.2	436.4	495.7	554.9	614.2	657.8	685.9	713.9
120°	788.7	754.9	721.0	687.3	721.0	754.9	788.7	822.4	837.9	834.9	831.9
122.5°	877.3	870.8	864.2	857.6	864.2	870.8	877.3	883.8	886.2	884.5	882.6
125°	961.1	961.8	962.6	963.3	962.6	961.8	961.1	960.3	959.0	957.3	955.5
127.5°	1029.5	1029.7	1029.8	1030.0	1029.8	1029.7	1029.5	1029.4	1028.0	1025.5	1022.9
130°	1072.2	1072.0	1071.7	1071.4	1071.7	1072.0	1072.2	1072.5	1071.2	1068.5	1065.7
132.5°	1112.8	1112.5	1112.3	1112.0	1112.3	1112.5	1112.8	1113.0	1112.0	1109.6	1107.2
135°	1172.1	1171.6	1171.1	1170.6	1171.1	1171.6	1172.1	1172.6	1171.6	1169.1	1166.6
137.5°	1226.5	1225.7	1224.9	1224.0	1224.9	1225.7	1226.5	1227.4	1226.6	1224.2	1221.7
140°	1261.2	1259.9	1258.6	1257.4	1258.6	1259.9	1261.2	1262.3	1261.9	1259.6	1257.4
142.5°	1293.6	1292.3	1291.1	1289.8	1291.1	1292.3	1293.6	1294.8	1294.4	1292.4	1290.3
145°	1338.9	1337.6	1336.3	1335.1	1336.3	1337.6	1338.9	1340.1	1339.9	1338.1	1336.3
147.5°	1378.2	1377.1	1376.0	1375.0	1376.0	1377.1	1378.2	1379.2	1379.1	1377.8	1376.5
150°	1403.1	1401.8	1400.6	1399.3	1400.6	1401.8	1403.1	1404.3	1404.2	1402.7	1401.2
152.5°	1425.0	1423.4	1421.7	1420.1	1421.7	1423.4	1425.0	1426.6	1426.7	1425.2	1423.7
155°	1454.9	1452.9	1450.9	1448.9	1450.9	1452.9	1454.9	1456.9	1457.1	1455.6	1454.1
157.5°	1481.1	1479.2	1477.2	1475.3	1477.2	1479.2	1481.1	1483.0	1483.2	1481.5	1479.8
160°	1495.9	1494.1	1492.3	1490.6	1492.3	1494.1	1495.9	1497.6	1497.7	1496.2	1494.7
162.5°	1509.7	1507.5	1505.4	1503.2	1505.4	1507.5	1509.7	1511.8	1512.0	1510.4	1508.6
165°	1527.4	1525.7	1523.9	1522.1	1523.9	1525.7	1527.4	1529.1	1529.1	1527.4	1525.7
167.5°	1540.9	1538.6	1536.4	1534.1	1536.4	1538.6	1540.9	1543.1	1543.3	1541.6	1539.8
170°	1548.1	1545.8	1543.6	1541.3	1543.6	1545.8	1548.1	1550.3	1550.5	1548.8	1547.1
172.5°	1553.5	1551.2	1549.0	1546.7	1549.0	1551.2	1553.5	1555.7	1555.9	1554.2	1552.4
175°	1558.9	1556.4	1553.9	1551.4	1553.9	1556.4	1558.9	1561.5	1561.8	1560.0	1558.3
177.5°	1559.7	1558.0	1556.2	1554.3	1556.2	1558.0	1559.7	1561.5	1561.8	1560.4	1558.9
180°	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0



TEST NUMBER: P331841-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1454.7	1460.6	1469.4	1474.5	1482.9	1488.4	1491.3	1496.7	1499.7	1510.2	1521.1
5°	1373.4	1381.9	1396.5	1410.2	1425.0	1440.2	1451.2	1463.9	1475.4	1495.4	1516.4
7.5°	1280.3	1292.0	1314.8	1336.6	1362.2	1383.8	1402.8	1424.3	1443.6	1472.2	1502.0
10°	1210.5	1231.0	1261.0	1281.4	1315.1	1336.6	1366.6	1390.3	1417.1	1454.9	1488.6
12.5°	1150.4	1175.0	1199.1	1227.6	1257.9	1293.8	1326.7	1357.0	1388.9	1428.0	1467.5
15°	1041.2	1077.0	1114.3	1143.2	1184.2	1222.1	1260.4	1301.4	1340.3	1387.1	1438.6
17.5°	900.8	942.2	1005.0	1054.5	1102.6	1140.6	1188.1	1237.7	1283.6	1340.0	1397.3
20°	837.3	867.8	910.4	977.2	1049.6	1090.1	1138.5	1193.2	1245.7	1307.2	1368.7
22.5°	786.4	813.6	847.7	899.8	980.7	1035.9	1086.3	1141.9	1202.8	1265.6	1333.8
25°	713.8	732.7	768.4	810.5	866.3	957.1	1012.3	1068.0	1134.3	1201.6	1279.4
27.5°	659.3	676.3	699.5	739.7	781.1	846.4	934.1	994.9	1060.9	1136.6	1217.3
30°	617.6	637.5	663.3	691.7	736.9	787.9	875.7	946.1	1011.3	1089.1	1175.3
32.5°	587.3	603.1	625.0	653.9	691.5	740.4	810.5	896.0	959.6	1041.6	1131.6
35°	537.7	556.1	574.0	601.3	631.8	676.4	729.5	821.0	884.1	965.0	1055.4
37.5°	496.8	508.0	527.8	549.5	581.6	615.0	661.0	743.0	811.3	890.7	983.3
40°	465.7	479.9	494.6	518.8	545.1	577.1	622.3	683.3	761.6	839.4	929.8
42.5°	435.5	453.4	469.0	485.1	514.0	546.1	582.8	634.5	714.5	788.1	876.0
45°	398.9	410.5	426.8	444.7	468.3	495.7	528.2	573.5	650.2	713.8	796.3
47.5°	356.5	373.4	384.0	401.5	424.0	450.0	480.3	519.4	581.5	641.1	717.7
50°	327.5	344.8	360.0	375.8	395.8	421.0	446.2	484.1	534.0	596.6	668.0
52.5°	302.6	317.9	332.7	348.5	368.0	391.2	415.1	448.4	491.2	548.7	618.1
55°	268.6	278.1	293.3	309.0	326.4	348.5	371.6	399.5	436.3	484.7	540.9
57.5°	233.7	244.6	256.7	272.6	290.2	307.0	327.9	353.1	382.1	425.9	474.0
60°	213.9	222.4	232.3	248.6	264.9	280.1	300.2	321.2	348.5	386.3	427.3
62.5°	192.0	200.0	209.2	223.4	239.2	253.3	270.7	292.9	316.1	350.6	386.5
65°	155.6	167.2	176.1	188.7	201.8	216.6	230.2	248.1	268.6	296.0	328.0
67.5°	129.0	134.9	143.1	154.6	168.1	180.7	193.6	207.6	225.4	246.5	272.0
70°	117.2	119.3	120.9	131.9	144.6	157.2	169.2	182.4	197.6	215.0	237.0
72.5°	103.3	105.4	107.4	112.2	122.2	134.9	147.3	157.2	171.6	185.9	203.8
75°	82.0	85.2	86.7	89.4	93.0	101.5	113.0	122.5	130.9	141.9	156.1
77.5°	62.4	64.2	65.9	68.7	71.0	74.9	81.4	89.9	97.8	104.2	113.9
80°	49.4	49.9	52.0	53.1	56.2	58.9	62.0	68.8	76.8	79.4	86.2
82.5°	37.2	37.7	39.5	40.5	41.9	44.1	48.2	49.9	56.2	59.6	63.9
85°	20.5	20.0	21.5	21.5	22.6	23.7	24.7	27.3	28.9	33.1	34.1
87.5°	11.1	10.9	10.9	10.5	10.1	10.5	10.5	10.3	10.6	11.2	12.4
90°	23.8	22.5	20.5	18.5	16.6	14.5	12.1	9.4	6.7	3.9	1.1
92.5°	26.8	26.1	25.1	24.2	23.1	22.1	21.8	22.0	22.3	22.5	22.7
95°	45.2	44.0	42.2	40.4	38.7	36.9	40.2	48.5	56.7	65.0	73.2
97.5°	59.8	58.8	54.7	50.7	46.7	42.6	52.2	75.5	98.8	122.1	145.4
100°	66.2	64.2	60.0	55.7	51.4	47.2	62.2	96.5	130.8	165.1	199.4
102.5°	68.6	66.0	101.6	137.2	172.9	208.4	229.9	237.1	244.4	251.7	258.9
105°	71.5	68.8	137.0	205.4	273.8	342.1	372.6	365.0	357.5	350.0	342.5
107.5°	93.4	96.3	178.2	260.2	342.1	424.1	462.1	456.0	450.0	443.9	437.8
110°	172.1	197.2	269.5	341.9	414.2	486.6	520.1	514.9	509.6	504.4	499.2



TEST NUMBER: P331841-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	406.0	497.3	515.2	533.1	551.0	568.8	575.4	570.8	566.1	561.4	556.8
115°	579.2	695.1	688.9	682.6	676.4	670.1	664.9	660.6	656.3	652.1	647.8
117.5°	742.0	770.0	765.6	761.4	757.0	752.7	748.2	743.5	738.7	734.0	729.2
120°	828.9	825.9	821.3	816.8	812.3	807.8	803.7	799.9	796.1	792.4	788.7
122.5°	880.8	879.0	874.1	869.2	864.3	859.4	855.0	851.0	847.1	843.1	839.2
125°	953.8	952.0	947.3	942.5	937.8	933.0	929.0	925.7	922.5	919.2	916.0
127.5°	1020.4	1017.9	1014.3	1010.7	1007.2	1003.6	1000.1	996.4	992.8	989.2	985.6
130°	1063.0	1060.2	1057.4	1054.7	1051.9	1049.2	1045.8	1041.8	1037.8	1033.8	1029.8
132.5°	1104.9	1102.6	1099.8	1097.0	1094.3	1091.5	1088.5	1085.1	1081.6	1078.2	1074.8
135°	1164.1	1161.6	1159.4	1157.1	1154.8	1152.5	1149.5	1145.4	1141.5	1137.4	1133.5
137.5°	1219.2	1216.8	1214.3	1211.7	1209.1	1206.6	1203.9	1201.1	1198.3	1195.5	1192.7
140°	1255.1	1252.8	1250.1	1247.4	1244.6	1241.8	1239.4	1237.5	1235.5	1233.4	1231.4
142.5°	1288.2	1286.2	1283.0	1279.9	1276.8	1273.6	1271.1	1269.3	1267.5	1265.7	1263.9
145°	1334.6	1332.8	1328.6	1324.4	1320.1	1315.8	1313.8	1314.1	1314.3	1314.5	1314.9
147.5°	1375.1	1373.9	1369.7	1365.5	1361.2	1357.0	1355.4	1356.4	1357.3	1358.3	1359.2
150°	1399.7	1398.2	1394.2	1390.2	1386.2	1382.2	1381.0	1382.8	1384.6	1386.3	1388.1
152.5°	1422.2	1420.7	1416.9	1413.1	1409.3	1405.5	1404.6	1406.5	1408.5	1410.5	1412.4
155°	1452.6	1451.1	1448.2	1445.2	1442.2	1439.2	1438.8	1441.0	1443.3	1445.5	1447.8
157.5°	1478.1	1476.4	1474.3	1472.2	1470.1	1468.0	1467.9	1469.8	1471.7	1473.6	1475.5
160°	1493.2	1491.7	1490.2	1488.7	1487.2	1485.7	1485.7	1487.2	1488.7	1490.2	1491.7
162.5°	1507.0	1505.2	1504.0	1502.6	1501.3	1500.0	1500.2	1501.7	1503.2	1504.7	1506.1
165°	1523.9	1522.1	1521.4	1520.6	1519.9	1519.2	1519.5	1521.0	1522.5	1524.0	1525.5
167.5°	1538.1	1536.4	1535.6	1534.9	1534.2	1533.5	1533.9	1535.4	1536.9	1538.4	1539.9
170°	1545.3	1543.6	1543.0	1542.5	1542.1	1541.5	1542.1	1543.6	1545.1	1546.6	1548.1
172.5°	1550.7	1549.0	1548.5	1547.9	1547.4	1547.0	1547.4	1549.0	1550.5	1552.0	1553.5
175°	1556.6	1554.8	1554.3	1553.8	1553.3	1552.8	1553.5	1555.2	1557.0	1558.7	1560.4
177.5°	1557.6	1556.2	1555.9	1555.8	1555.5	1555.4	1555.9	1557.4	1558.8	1560.2	1561.5
180°	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0



TEST NUMBER: P331841-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1521.5	1522.8	1531.2	1535.0	1542.6	1545.5	1548.9	1548.1	1548.1	1549.7	1561.5
5°	1524.8	1535.3	1551.1	1566.4	1581.0	1593.7	1602.1	1610.5	1613.7	1628.9	1642.6
7.5°	1519.3	1538.7	1564.8	1588.0	1615.9	1637.6	1655.7	1672.0	1683.1	1705.3	1728.1
10°	1512.2	1539.5	1569.0	1598.9	1637.3	1666.2	1695.7	1718.2	1725.6	1758.7	1777.7
12.5°	1497.9	1534.5	1571.9	1610.7	1648.2	1688.1	1720.5	1743.0	1768.9	1798.6	1833.6
15°	1476.5	1518.5	1567.4	1617.3	1671.0	1719.3	1754.0	1793.4	1821.8	1854.4	1884.8
17.5°	1445.7	1499.8	1561.9	1619.8	1681.8	1733.7	1781.5	1819.2	1839.2	1857.8	1862.3
20°	1421.3	1479.6	1552.7	1621.0	1683.1	1743.0	1790.3	1821.8	1827.1	1827.6	1799.8
22.5°	1394.8	1460.7	1537.2	1607.1	1681.3	1748.0	1784.8	1798.3	1777.4	1741.8	1687.9
25°	1346.1	1422.4	1511.2	1591.0	1672.0	1735.0	1747.7	1724.0	1651.0	1574.2	1477.0
27.5°	1293.3	1379.0	1474.3	1563.1	1649.3	1688.4	1661.2	1575.9	1444.3	1329.9	1191.3
30°	1254.7	1350.8	1444.4	1543.7	1623.7	1640.5	1577.9	1452.3	1298.8	1126.4	988.2
32.5°	1210.5	1311.3	1414.1	1516.9	1583.7	1567.3	1464.0	1309.3	1129.3	959.9	829.3
35°	1147.4	1251.5	1362.4	1465.5	1508.0	1437.0	1282.5	1081.2	897.2	739.0	649.1
37.5°	1074.6	1187.9	1303.2	1397.8	1394.8	1276.5	1066.0	858.3	703.6	610.1	546.1
40°	1022.9	1137.4	1262.0	1341.9	1307.7	1153.7	925.6	729.5	616.6	541.9	495.1
42.5°	973.3	1088.2	1212.0	1275.5	1216.1	1026.7	799.5	645.9	552.6	494.4	456.5
45°	888.8	1010.3	1124.8	1160.1	1053.8	845.2	646.5	535.1	473.1	429.9	403.7
47.5°	806.3	925.7	1030.3	1030.9	887.3	685.4	545.4	463.1	410.1	376.8	357.7
50°	755.8	869.3	957.1	943.5	780.5	609.7	487.7	416.8	372.6	346.9	326.9
52.5°	699.1	809.2	885.3	846.4	690.1	536.5	436.0	376.4	339.8	317.5	299.6
55°	616.6	714.3	767.9	709.1	562.9	446.2	368.4	321.7	294.4	275.4	260.2
57.5°	535.5	616.2	649.9	581.3	463.7	370.0	311.7	276.6	249.5	235.9	228.0
60°	484.7	553.5	577.1	501.5	403.1	323.8	275.9	243.4	223.4	214.4	206.6
62.5°	434.6	490.8	500.6	431.2	351.4	283.4	242.3	214.8	201.5	193.0	185.5
65°	360.6	401.1	396.3	340.6	278.1	225.0	195.0	178.2	168.2	156.1	143.0
67.5°	296.8	321.5	306.7	264.9	212.2	174.8	155.3	142.5	130.2	118.7	115.7
70°	256.5	270.7	254.9	216.6	174.0	146.6	130.9	115.7	108.3	105.7	100.9
72.5°	217.9	222.8	205.7	172.9	141.6	121.4	106.1	97.5	93.6	91.3	88.3
75°	163.5	159.8	145.0	119.3	98.3	84.6	79.9	76.8	74.1	72.0	70.4
77.5°	114.8	109.4	96.3	79.5	68.4	61.9	59.1	57.4	56.2	55.1	53.5
80°	86.2	82.5	69.4	56.8	52.0	48.9	47.3	45.2	45.2	44.1	42.5
82.5°	63.1	58.9	47.5	41.6	39.0	37.1	36.0	34.7	34.3	34.5	33.4
85°	33.1	26.8	23.7	22.6	21.0	20.0	20.5	19.4	19.4	19.4	18.9
87.5°	10.9	9.3	9.4	9.6	10.5	10.9	10.9	11.2	12.0	11.9	12.6
90°	3.9	6.7	9.4	12.1	14.5	16.6	18.5	20.5	22.5	23.8	25.0
92.5°	22.5	22.3	22.0	21.8	22.1	23.1	24.2	25.1	26.1	26.8	27.4
95°	65.0	56.7	48.5	40.2	36.9	38.7	40.4	42.2	44.0	45.2	46.4
97.5°	122.1	98.8	75.5	52.2	42.6	46.7	50.7	54.7	58.8	59.8	60.8
100°	165.1	130.8	96.5	62.2	47.2	51.4	55.7	60.0	64.2	66.2	68.2
102.5°	251.7	244.4	237.1	229.9	208.4	172.9	137.2	101.6	66.0	68.6	71.2
105°	350.0	357.5	365.0	372.6	342.1	273.8	205.4	137.0	68.8	71.5	74.2
107.5°	443.9	450.0	456.0	462.1	424.1	342.1	260.2	178.2	96.3	93.4	90.6
110°	504.4	509.6	514.9	520.1	486.6	414.2	341.9	269.5	197.2	172.1	147.1



TEST NUMBER: P331841-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	561.4	566.1	570.8	575.4	568.8	551.0	533.1	515.2	497.3	406.0	314.7
115°	652.1	656.3	660.6	664.9	670.1	676.4	682.6	688.9	695.1	579.2	463.3
117.5°	734.0	738.7	743.5	748.2	752.7	757.0	761.4	765.6	770.0	742.0	713.9
120°	792.4	796.1	799.9	803.7	807.8	812.3	816.8	821.3	825.9	828.9	831.9
122.5°	843.1	847.1	851.0	855.0	859.4	864.3	869.2	874.1	879.0	880.8	882.6
125°	919.2	922.5	925.7	929.0	933.0	937.8	942.5	947.3	952.0	953.8	955.5
127.5°	989.2	992.8	996.4	1000.1	1003.6	1007.2	1010.7	1014.3	1017.9	1020.4	1022.9
130°	1033.8	1037.8	1041.8	1045.8	1049.2	1051.9	1054.7	1057.4	1060.2	1063.0	1065.7
132.5°	1078.2	1081.6	1085.1	1088.5	1091.5	1094.3	1097.0	1099.8	1102.6	1104.9	1107.2
135°	1137.4	1141.5	1145.4	1149.5	1152.5	1154.8	1157.1	1159.4	1161.6	1164.1	1166.6
137.5°	1195.5	1198.3	1201.1	1203.9	1206.6	1209.1	1211.7	1214.3	1216.8	1219.2	1221.7
140°	1233.4	1235.5	1237.5	1239.4	1241.8	1244.6	1247.4	1250.1	1252.8	1255.1	1257.4
142.5°	1265.7	1267.5	1269.3	1271.1	1273.6	1276.8	1279.9	1283.0	1286.2	1288.2	1290.3
145°	1314.5	1314.3	1314.1	1313.8	1315.8	1320.1	1324.4	1328.6	1332.8	1334.6	1336.3
147.5°	1358.3	1357.3	1356.4	1355.4	1357.0	1361.2	1365.5	1369.7	1373.9	1375.1	1376.5
150°	1386.3	1384.6	1382.8	1381.0	1382.2	1386.2	1390.2	1394.2	1398.2	1399.7	1401.2
152.5°	1410.5	1408.5	1406.5	1404.6	1405.5	1409.3	1413.1	1416.9	1420.7	1422.2	1423.7
155°	1445.5	1443.3	1441.0	1438.8	1439.2	1442.2	1445.2	1448.2	1451.1	1452.6	1454.1
157.5°	1473.6	1471.7	1469.8	1467.9	1468.0	1470.1	1472.2	1474.3	1476.4	1478.1	1479.8
160°	1490.2	1488.7	1487.2	1485.7	1485.7	1487.2	1488.7	1490.2	1491.7	1493.2	1494.7
162.5°	1504.7	1503.2	1501.7	1500.2	1500.0	1501.3	1502.6	1504.0	1505.2	1507.0	1508.6
165°	1524.0	1522.5	1521.0	1519.5	1519.2	1519.9	1520.6	1521.4	1522.1	1523.9	1525.7
167.5°	1538.4	1536.9	1535.4	1533.9	1533.5	1534.2	1534.9	1535.6	1536.4	1538.1	1539.8
170°	1546.6	1545.1	1543.6	1542.1	1541.5	1542.1	1542.5	1543.0	1543.6	1545.3	1547.1
172.5°	1552.0	1550.5	1549.0	1547.4	1547.0	1547.4	1547.9	1548.5	1549.0	1550.7	1552.4
175°	1558.7	1557.0	1555.2	1553.5	1552.8	1553.3	1553.8	1554.3	1554.8	1556.6	1558.3
177.5°	1560.2	1558.8	1557.4	1555.9	1555.4	1555.5	1555.8	1555.9	1556.2	1557.6	1558.9
180°	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0



TEST NUMBER: P331841-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1565.7	1571.2	1573.7	1573.7	1576.7	1575.4	1574.1
5°	1655.7	1665.7	1667.8	1677.3	1684.1	1682.0	1683.1
7.5°	1745.2	1761.3	1777.1	1784.4	1785.5	1789.7	1791.3
10°	1800.2	1813.4	1838.1	1834.4	1852.8	1863.3	1845.9
12.5°	1853.2	1871.0	1888.2	1892.8	1903.3	1906.6	1899.8
15°	1901.2	1910.7	1911.7	1909.1	1912.2	1909.6	1899.6
17.5°	1856.4	1841.0	1809.9	1795.2	1783.5	1766.3	1759.4
20°	1782.4	1737.2	1684.6	1663.6	1638.9	1590.5	1602.1
22.5°	1622.6	1571.1	1518.5	1457.1	1427.8	1382.0	1379.2
25°	1374.0	1285.2	1187.4	1119.0	1079.1	1033.4	1013.4
27.5°	1068.3	956.4	876.3	835.8	798.8	762.6	761.1
30°	867.3	783.2	721.1	686.4	663.8	648.6	651.8
32.5°	731.0	673.4	631.6	602.8	586.1	574.6	574.4
35°	597.6	558.2	531.4	519.3	507.2	498.8	499.3
37.5°	511.4	487.7	472.9	459.5	451.9	447.8	445.5
40°	467.3	447.8	436.3	428.4	422.1	416.3	415.3
42.5°	432.4	416.3	404.7	398.5	392.6	388.6	387.5
45°	383.7	370.6	360.0	353.2	350.6	346.9	346.9
47.5°	341.4	328.4	320.2	315.9	311.4	309.0	308.9
50°	312.8	302.8	295.4	292.8	289.1	287.5	287.0
52.5°	287.1	279.6	274.4	272.6	271.0	269.0	269.3
55°	252.3	248.1	246.0	244.4	241.8	238.6	240.7
57.5°	223.0	219.4	213.7	208.7	206.4	204.1	205.0
60°	202.4	195.0	187.7	181.9	180.3	175.5	175.5
62.5°	176.3	166.0	156.9	153.7	152.1	149.9	149.5
65°	135.6	131.4	129.3	127.2	126.1	126.1	125.1
67.5°	112.4	110.7	108.4	107.9	106.8	106.5	106.2
70°	99.3	97.2	96.2	95.7	94.6	95.1	93.6
72.5°	86.7	85.1	84.8	83.5	82.9	82.9	81.8
75°	68.4	68.4	67.8	67.3	66.2	65.7	66.2
77.5°	52.6	52.7	51.7	51.7	51.5	51.7	51.1
80°	42.1	42.5	42.1	41.5	41.0	41.5	41.0
82.5°	33.2	32.5	32.4	32.2	32.2	31.8	31.8
85°	18.9	19.4	18.9	18.4	18.4	18.4	18.9
87.5°	12.4	12.7	12.8	12.9	13.1	13.2	12.8
90°	26.3	27.6	28.4	28.9	29.4	29.9	30.4
92.5°	28.1	28.8	29.2	29.5	29.8	30.1	30.4
95°	47.7	49.0	49.4	49.2	49.0	48.7	48.5
97.5°	61.8	62.8	63.5	63.8	64.1	64.4	64.6
100°	70.3	72.2	73.5	74.0	74.5	75.0	75.5
102.5°	73.8	76.4	78.1	78.8	79.5	80.2	80.9
105°	77.0	79.8	81.6	82.6	83.7	84.6	85.6
107.5°	87.8	85.0	84.1	85.1	86.1	87.1	88.1
110°	122.1	97.0	85.0	86.0	87.0	88.0	89.0



TEST NUMBER: P331841-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	223.3	132.0	86.7	87.5	88.3	89.1	89.9
115°	347.4	231.5	164.5	146.5	128.4	110.4	92.4
117.5°	685.9	657.8	614.2	554.9	495.7	436.4	377.2
120°	834.9	837.9	822.4	788.7	754.9	721.0	687.3
122.5°	884.5	886.2	883.8	877.3	870.8	864.2	857.6
125°	957.3	959.0	960.3	961.1	961.8	962.6	963.3
127.5°	1025.5	1028.0	1029.4	1029.5	1029.7	1029.8	1030.0
130°	1068.5	1071.2	1072.5	1072.2	1072.0	1071.7	1071.4
132.5°	1109.6	1112.0	1113.0	1112.8	1112.5	1112.3	1112.0
135°	1169.1	1171.6	1172.6	1172.1	1171.6	1171.1	1170.6
137.5°	1224.2	1226.6	1227.4	1226.5	1225.7	1224.9	1224.0
140°	1259.6	1261.9	1262.3	1261.2	1259.9	1258.6	1257.4
142.5°	1292.4	1294.4	1294.8	1293.6	1292.3	1291.1	1289.8
145°	1338.1	1339.9	1340.1	1338.9	1337.6	1336.3	1335.1
147.5°	1377.8	1379.1	1379.2	1378.2	1377.1	1376.0	1375.0
150°	1402.7	1404.2	1404.3	1403.1	1401.8	1400.6	1399.3
152.5°	1425.2	1426.7	1426.6	1425.0	1423.4	1421.7	1420.1
155°	1455.6	1457.1	1456.9	1454.9	1452.9	1450.9	1448.9
157.5°	1481.5	1483.2	1483.0	1481.1	1479.2	1477.2	1475.3
160°	1496.2	1497.7	1497.6	1495.9	1494.1	1492.3	1490.6
162.5°	1510.4	1512.0	1511.8	1509.7	1507.5	1505.4	1503.2
165°	1527.4	1529.1	1529.1	1527.4	1525.7	1523.9	1522.1
167.5°	1541.6	1543.3	1543.1	1540.9	1538.6	1536.4	1534.1
170°	1548.8	1550.5	1550.3	1548.1	1545.8	1543.6	1541.3
172.5°	1554.2	1555.9	1555.7	1553.5	1551.2	1549.0	1546.7
175°	1560.0	1561.8	1561.5	1558.9	1556.4	1553.9	1551.4
177.5°	1560.4	1561.8	1561.5	1559.7	1558.0	1556.2	1554.3
180°	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0

(END OF REPORT)