

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: P331842-927

Luminaire Tested: **S122RDIW-S865D1440U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331842-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122RDIW-S865D1440U927-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1440 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

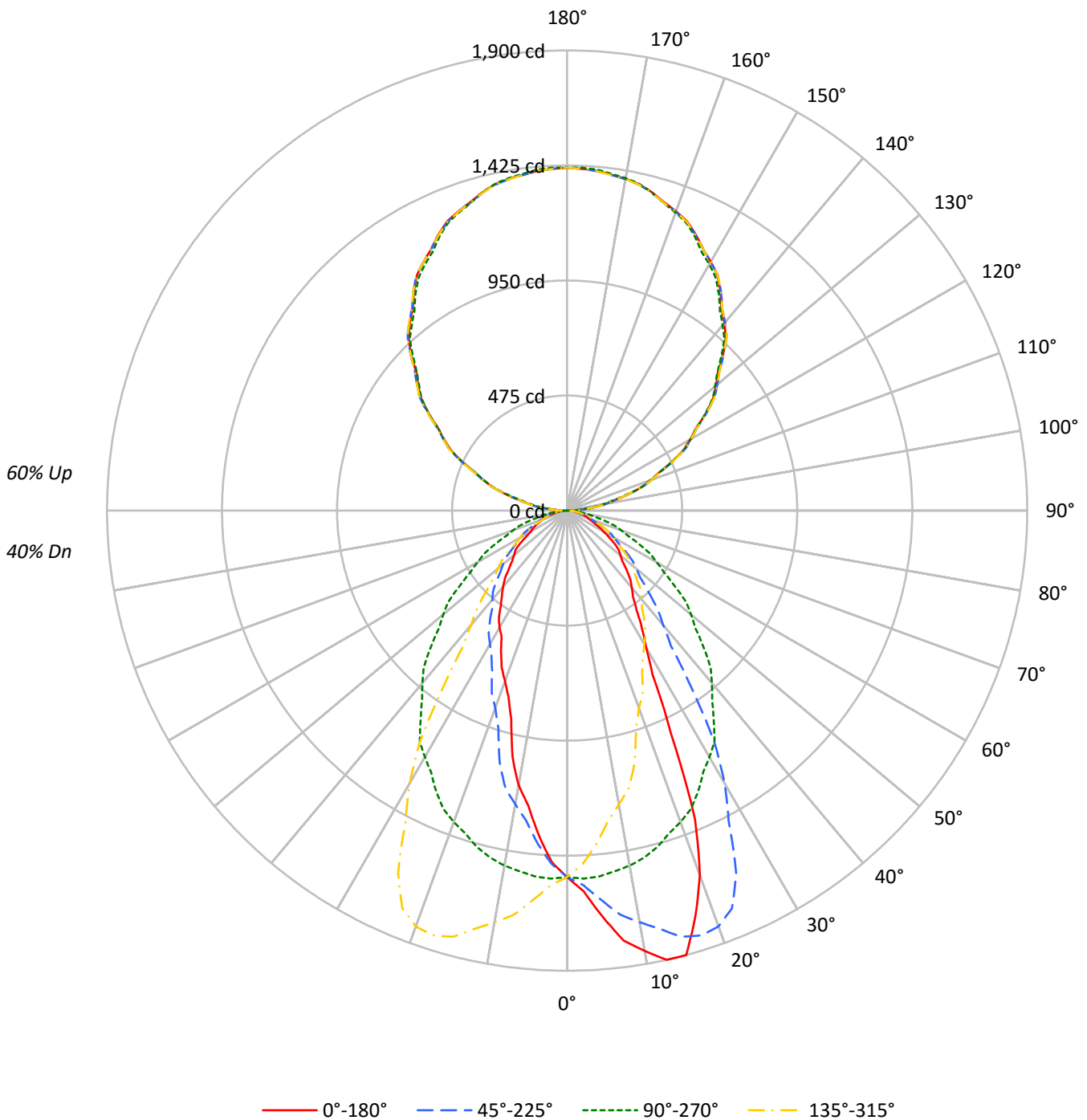
Lumens per Lamp: N/A  
Luminaire Lumens: 6577.1 lumens  
Efficiency: N/A  
Efficacy: 85.9 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 76.6  
Input Voltage (V): 120  
Input Current (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: P331842-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A1

### Luminous Intensity Polar Plot





TEST NUMBER: P331842-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A1

**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	0
RCR																		
0	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40
1	96	92	88	85	87	84	81	78	69	67	65	55	54	52	42	41	41	35
2	88	81	75	71	80	74	69	65	61	58	55	49	47	45	38	37	35	30
3	81	72	65	60	73	66	60	55	55	50	47	44	41	39	34	32	31	26
4	74	64	57	51	67	59	52	47	49	44	40	40	36	34	31	29	27	23
5	68	57	50	44	62	53	46	41	44	39	35	36	32	30	28	26	24	21
6	63	52	44	39	57	48	41	36	40	35	31	33	29	26	26	24	22	19
7	59	47	39	34	53	43	37	32	36	31	28	30	26	24	24	21	19	17
8	54	43	35	30	50	40	33	29	33	28	25	28	24	21	22	20	18	15
9	51	39	32	27	46	36	30	26	31	26	22	26	22	19	21	18	16	14
10	47	36	29	25	43	33	27	23	28	24	20	24	20	18	19	17	15	13

**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: P331842-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.4	2.2
10°-20°	399.6	6.1
20°-30°	514.9	7.8
30°-40°	489.3	7.4
40°-50°	419.2	6.4
50°-60°	319.2	4.9
60°-70°	201.8	3.1
70°-80°	100.8	1.5
80°-90°	31.9	0.5
90°-100°	89.7	1.4
100°-110°	278.5	4.2
110°-120°	476.1	7.2
120°-130°	626.1	9.5
130°-140°	702.7	10.7
140°-150°	689.0	10.5
150°-160°	577.9	8.8
160°-170°	383.3	5.8
170°-180°	134.0	2.0
0°-30°	1057.9	16.1
0°-40°	1547.2	23.5
0°-60°	2285.6	34.7
0°-90°	2620.0	39.8
90°-120°	844.3	12.8
90°-150°	2862.0	43.5
90°-180°	3957.0	60.2
0°-180°	6577.1	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°	41	1	41	1	41	18
95°	74	62	74	62	74	83
105°	265	257	265	257	265	279
115°	478	478	478	478	478	472
125°	697	695	697	695	697	622
135°	910	899	910	899	910	700
145°	1104	1092	1104	1092	1104	689
155°	1258	1248	1258	1248	1258	579
165°	1359	1358	1359	1358	1359	383
175°	1408	1413	1408	1413	1408	134
180°	1415	1415	1415	1415	1415	



TEST NUMBER: P331842-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A1

**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°	14.8	15.2	15.1	15.1	15.1	15.1	15.2	15.7	15.4	15.9	14.3
90°	40.6	40.3	40.1	39.8	39.5	39.7	40.2	40.7	41.3	41.8	36.0
92.5°	38.7	38.7	38.6	38.5	38.5	38.4	38.3	38.2	38.1	37.9	36.6
95°	74.1	74.5	75.1	75.7	76.1	76.4	76.4	76.4	76.4	76.4	75.9
97.5°	128.3	128.3	128.3	128.4	128.5	128.5	128.5	128.5	128.5	128.5	127.5
100°	163.6	163.9	164.1	164.4	164.7	164.8	164.8	164.8	164.8	164.8	164.0
102.5°	203.7	204.0	204.3	204.5	204.8	204.9	204.6	204.4	204.2	204.0	203.0
105°	265.1	265.1	265.1	265.1	265.1	264.8	264.4	263.8	263.2	262.8	262.2
107.5°	322.9	324.2	325.3	326.6	327.8	328.3	328.1	327.9	327.6	327.5	327.5
110°	367.8	368.6	369.4	370.2	371.0	371.5	371.5	371.5	371.5	371.5	371.5



TEST NUMBER: P331842-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P331842-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A1

**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°	13.2	12.4	11.2	9.9	9.7	9.5	10.9	12.4	11.4	10.8	10.5
90°	30.1	24.3	18.5	13.9	10.8	7.5	4.4	1.2	4.4	7.5	10.8
92.5°	35.3	33.8	32.5	30.6	28.3	25.9	23.6	21.2	23.6	25.9	28.3
95°	75.3	74.9	74.3	72.7	70.0	67.4	64.7	62.1	64.7	67.4	70.0
97.5°	126.5	125.5	124.5	122.8	120.5	118.1	115.8	113.4	115.8	118.1	120.5
100°	163.2	162.4	161.6	160.2	158.0	155.9	153.8	151.7	153.8	155.9	158.0
102.5°	201.9	201.0	199.9	198.6	196.9	195.2	193.5	191.8	193.5	195.2	196.9
105°	261.7	261.2	260.6	259.9	259.1	258.3	257.5	256.7	257.5	258.3	259.1
107.5°	327.5	327.5	327.5	326.9	325.7	324.6	323.4	322.2	323.4	324.6	325.7
110°	371.5	371.5	371.5	370.6	369.0	367.4	365.8	364.2	365.8	367.4	369.0





TEST NUMBER: P331842-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P331842-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A1

**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°	10.8	11.2	11.6	12.8	13.9	14.7	14.6	14.0	13.9	13.8	13.4
90°	13.9	18.5	24.3	30.1	36.0	41.8	41.3	40.7	40.2	39.7	39.5
92.5°	30.6	32.5	33.8	35.3	36.6	37.9	38.1	38.2	38.3	38.4	38.5
95°	72.7	74.3	74.9	75.3	75.9	76.4	76.4	76.4	76.4	76.4	76.1
97.5°	122.8	124.5	125.5	126.5	127.5	128.5	128.5	128.5	128.5	128.5	128.5
100°	160.2	161.6	162.4	163.2	164.0	164.8	164.8	164.8	164.8	164.8	164.7
102.5°	198.6	199.9	201.0	201.9	203.0	204.0	204.2	204.4	204.6	204.9	204.8
105°	259.9	260.6	261.2	261.7	262.2	262.8	263.2	263.8	264.4	264.8	265.1
107.5°	326.9	327.5	327.5	327.5	327.5	327.5	327.6	327.9	328.1	328.3	327.8
110°	370.6	371.5	371.5	371.5	371.5	371.5	371.5	371.5	371.5	371.5	371.0



TEST NUMBER: P331842-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P331842-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A1

**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°	13.5	13.1	13.5	13.2	13.5	13.1	13.5	13.4	13.8	13.9	14.0
90°	39.8	40.1	40.3	40.6	40.3	40.1	39.8	39.5	39.7	40.2	40.7
92.5°	38.5	38.6	38.7	38.7	38.7	38.6	38.5	38.5	38.4	38.3	38.2
95°	75.7	75.1	74.5	74.1	74.5	75.1	75.7	76.1	76.4	76.4	76.4
97.5°	128.4	128.3	128.3	128.3	128.3	128.3	128.4	128.5	128.5	128.5	128.5
100°	164.4	164.1	163.9	163.6	163.9	164.1	164.4	164.7	164.8	164.8	164.8
102.5°	204.5	204.3	204.0	203.7	204.0	204.3	204.5	204.8	204.9	204.6	204.4
105°	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	264.8	264.4	263.8
107.5°	326.6	325.3	324.2	322.9	324.2	325.3	326.6	327.8	328.3	328.1	327.9
110°	370.2	369.4	368.6	367.8	368.6	369.4	370.2	371.0	371.5	371.5	371.5



TEST NUMBER: P331842-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P331842-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A1

**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°	14.6	14.7	13.9	12.8	11.6	11.2	10.8	10.5	10.8	11.4	12.4
90°	41.3	41.8	36.0	30.1	24.3	18.5	13.9	10.8	7.5	4.4	1.2
92.5°	38.1	37.9	36.6	35.3	33.8	32.5	30.6	28.3	25.9	23.6	21.2
95°	76.4	76.4	75.9	75.3	74.9	74.3	72.7	70.0	67.4	64.7	62.1
97.5°	128.5	128.5	127.5	126.5	125.5	124.5	122.8	120.5	118.1	115.8	113.4
100°	164.8	164.8	164.0	163.2	162.4	161.6	160.2	158.0	155.9	153.8	151.7
102.5°	204.2	204.0	203.0	201.9	201.0	199.9	198.6	196.9	195.2	193.5	191.8
105°	263.2	262.8	262.2	261.7	261.2	260.6	259.9	259.1	258.3	257.5	256.7
107.5°	327.6	327.5	327.5	327.5	327.5	327.5	326.9	325.7	324.6	323.4	322.2
110°	371.5	371.5	371.5	371.5	371.5	371.5	370.6	369.0	367.4	365.8	364.2



TEST NUMBER: P331842-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P331842-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A1

**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	9.5	9.7	9.9	11.2	12.4	13.2	14.3	15.9	15.4	15.7
90°	4.4	7.5	10.8	13.9	18.5	24.3	30.1	36.0	41.8	41.3	40.7
92.5°	23.6	25.9	28.3	30.6	32.5	33.8	35.3	36.6	37.9	38.1	38.2
95°	64.7	67.4	70.0	72.7	74.3	74.9	75.3	75.9	76.4	76.4	76.4
97.5°	115.8	118.1	120.5	122.8	124.5	125.5	126.5	127.5	128.5	128.5	128.5
100°	153.8	155.9	158.0	160.2	161.6	162.4	163.2	164.0	164.8	164.8	164.8
102.5°	193.5	195.2	196.9	198.6	199.9	201.0	201.9	203.0	204.0	204.2	204.4
105°	257.5	258.3	259.1	259.9	260.6	261.2	261.7	262.2	262.8	263.2	263.8
107.5°	323.4	324.6	325.7	326.9	327.5	327.5	327.5	327.5	327.5	327.6	327.9
110°	365.8	367.4	369.0	370.6	371.5	371.5	371.5	371.5	371.5	371.5	371.5





TEST NUMBER: P331842-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P331842-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A1

**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°	15.2	15.1	15.1	15.1	15.1	15.2	14.8
90°	40.2	39.7	39.5	39.8	40.1	40.3	40.6
92.5°	38.3	38.4	38.5	38.5	38.6	38.7	38.7
95°	76.4	76.4	76.1	75.7	75.1	74.5	74.1
97.5°	128.5	128.5	128.5	128.4	128.3	128.3	128.3
100°	164.8	164.8	164.7	164.4	164.1	163.9	163.6
102.5°	204.6	204.9	204.8	204.5	204.3	204.0	203.7
105°	264.4	264.8	265.1	265.1	265.1	265.1	265.1
107.5°	328.1	328.3	327.8	326.6	325.3	324.2	322.9
110°	371.5	371.5	371.0	370.2	369.4	368.6	367.8



TEST NUMBER: P331842-927

CATALOG NUMBER: S122RDIW-S865D1440U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)