

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: P332446-930

Luminaire Tested: **S123RDIW-S775D1535U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332446-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIW-S775D1535U930-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1535 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7490.3 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Indirect

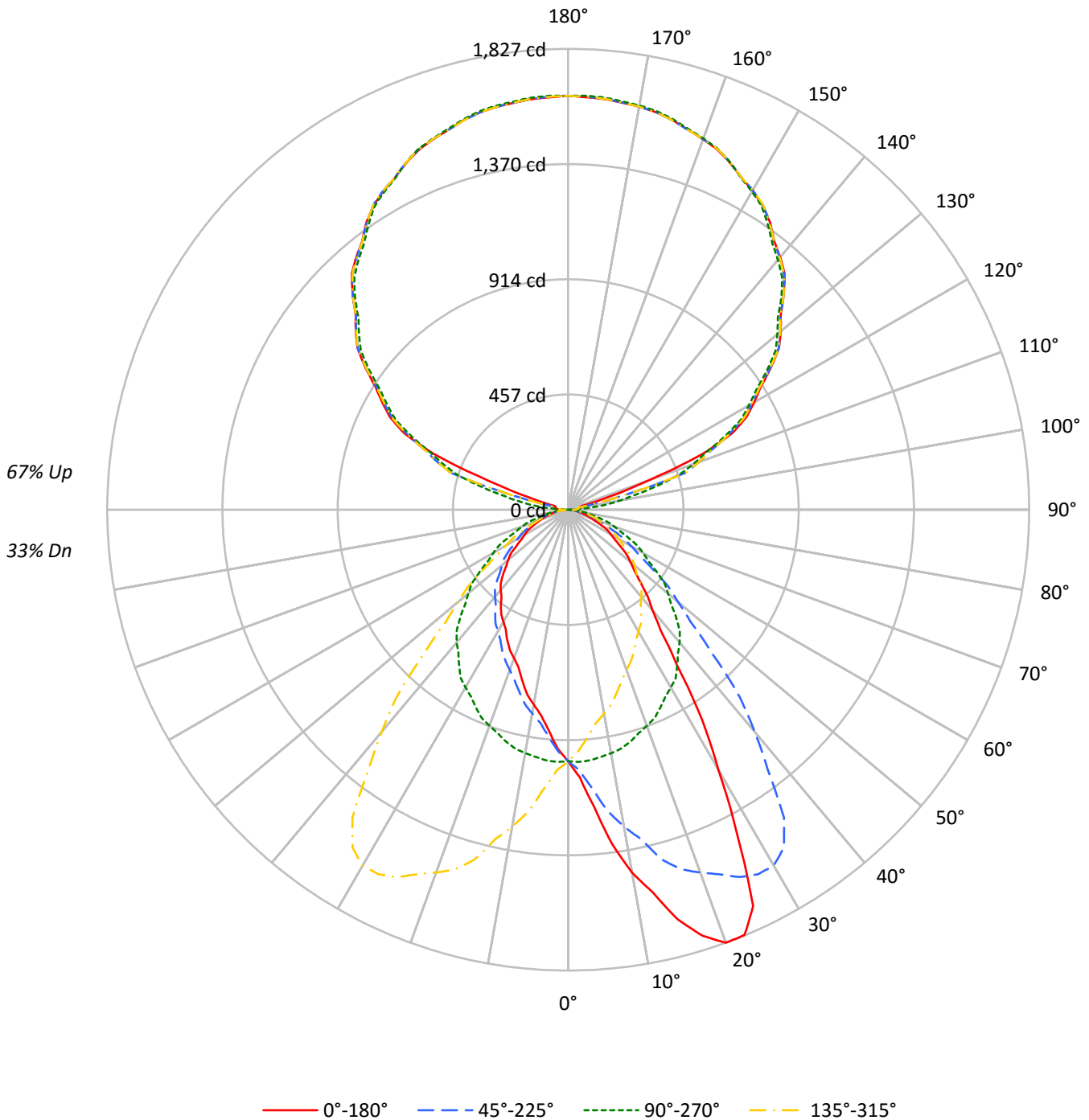
Input Watts (W): 68.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332446-930

CATALOG NUMBER: S123RDIW-S775D1535U930-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P332446-930

CATALOG NUMBER: S123RDIW-S775D1535U930-4F0-1E-UDD-A

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	33				
1	94	90	87	83	85	82	79	76	65	63	61	50	49	48	37	36	35	29				
2	86	79	74	69	78	72	67	63	58	54	51	45	42	40	33	31	30	25				
3	79	70	63	58	71	63	58	53	51	47	44	40	37	35	29	28	26	21				
4	72	62	55	49	65	56	50	45	46	41	37	36	32	30	26	24	23	19				
5	66	55	48	42	60	50	44	39	41	36	32	32	29	26	24	22	20	16				
6	61	50	42	36	55	45	39	34	37	32	28	29	26	23	22	20	18	15				
7	57	45	37	32	51	41	34	30	33	29	25	26	23	20	20	18	16	13				
8	52	41	33	28	47	37	31	26	31	26	22	24	21	18	18	16	14	12				
9	49	37	30	25	44	34	28	23	28	23	20	22	19	16	17	15	13	11				
10	46	34	27	22	41	31	25	21	26	21	18	21	17	15	16	13	12	10				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10733	10733	10733	10733
5°	12794	10778	9492	10778
10°	15974	10717	8576	10717
15°	18750	10608	7819	10608
20°	20927	10443	7178	10443
25°	20593	10271	6783	10271
30°	14802	10112	6377	10112
35°	9883	9905	6114	9905
40°	7281	9656	5841	9656
45°	6107	9220	5574	9220
50°	5390	8649	5203	8649
55°	4725	7994	4693	7994
60°	4209	7369	4299	7369
65°	3696	6696	4001	6696
70°	2902	6099	3654	6099
75°	2558	5327	3335	5327
80°	2225	4525	3279	4525
85°	1791	3631	3483	3631



TEST NUMBER: P332446-930

CATALOG NUMBER: S123RDIW-S775D1535U930-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.1	1.3
10°-20°	306.3	4.1
20°-30°	481.3	6.4
30°-40°	502.1	6.7
40°-50°	429.7	5.7
50°-60°	327.5	4.4
60°-70°	209.9	2.8
70°-80°	101.0	1.3
80°-90°	31.3	0.4
90°-100°	59.6	0.8
100°-110°	284.3	3.8
110°-120°	682.8	9.1
120°-130°	869.5	11.6
130°-140°	929.1	12.4
140°-150°	868.8	11.6
150°-160°	700.8	9.4
160°-170°	452.3	6.0
170°-180°	155.9	2.1
0°-30°	885.7	11.8
0°-40°	1387.8	18.5
0°-60°	2145.0	28.6
0°-90°	2487.3	33.2
90°-120°	1026.8	13.7
90°-150°	3694.1	49.3
90°-180°	5003.0	66.8
0°-180°	7490.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	997	997	997	997	997	
5°	1184	998	878	998	1184	122
15°	1683	952	702	952	1683	477
25°	1734	865	571	865	1734	745
35°	752	754	465	754	752	493
45°	401	606	366	606	401	315
55°	252	426	250	426	252	228
65°	145	263	157	263	145	143
75°	62	128	80	128	62	66
85°	14	29	28	29	14	18
90°	36	1	36	1	36	17
95°	46	74	46	74	46	39
105°	54	363	54	363	54	123
115°	717	681	717	681	717	662
125°	980	960	980	960	980	875
135°	1208	1196	1208	1196	1208	931
145°	1393	1380	1393	1380	1393	870
155°	1518	1520	1518	1520	1518	700
165°	1599	1603	1599	1603	1599	452
175°	1634	1640	1634	1640	1634	156
180°	1640	1640	1640	1640	1640	



TEST NUMBER: P332446-930

CATALOG NUMBER: S123RDIW-S775D1535U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	1062.0	1063.4	1058.9	1058.3	1053.1	1051.7	1051.7	1044.6	1040.2	1034.4	1030.9
5°	1184.1	1190.9	1187.5	1179.8	1167.0	1164.0	1155.9	1143.1	1128.6	1110.7	1102.1
7.5°	1336.5	1345.9	1342.3	1330.4	1317.0	1306.2	1283.3	1262.0	1232.2	1206.1	1183.7
10°	1461.5	1451.7	1444.1	1432.5	1420.2	1400.0	1376.1	1343.3	1305.3	1275.5	1242.1
12.5°	1555.1	1553.5	1543.8	1531.9	1514.4	1495.3	1466.0	1426.0	1381.8	1338.6	1300.6
15°	1682.6	1685.2	1678.8	1666.4	1641.7	1607.9	1563.6	1546.9	1483.8	1436.8	1389.8
17.5°	1770.9	1770.4	1769.5	1752.4	1727.1	1703.2	1662.0	1618.2	1561.0	1494.9	1431.6
20°	1826.9	1822.7	1823.5	1804.3	1785.5	1757.8	1717.7	1654.1	1607.1	1530.7	1465.3
22.5°	1825.5	1824.7	1828.0	1821.4	1807.7	1786.5	1754.9	1701.2	1641.3	1564.2	1490.6
25°	1733.9	1730.5	1750.5	1756.1	1777.8	1781.7	1772.3	1742.9	1686.0	1606.6	1515.7
27.5°	1451.2	1449.3	1486.5	1533.1	1592.1	1638.1	1682.5	1703.9	1686.0	1629.2	1538.1
30°	1190.9	1231.0	1249.9	1317.3	1392.4	1482.1	1560.6	1635.2	1653.6	1628.9	1554.1
32.5°	988.8	1023.8	1039.4	1097.3	1167.3	1272.4	1390.2	1495.9	1570.7	1589.6	1544.6
35°	752.1	752.5	788.4	814.0	878.9	986.8	1101.3	1243.0	1383.8	1490.5	1501.6
37.5°	600.1	602.3	623.9	649.5	698.1	755.3	856.0	973.8	1136.5	1300.3	1396.4
40°	518.2	522.0	538.3	563.5	598.4	641.6	720.1	831.1	966.8	1149.1	1298.0
42.5°	465.6	471.8	480.2	499.6	521.3	561.7	625.2	710.9	834.3	1006.7	1178.5
45°	401.2	404.6	411.1	420.0	439.7	467.8	510.5	568.1	670.6	809.3	981.3
47.5°	353.9	352.1	358.9	366.2	379.2	398.4	427.1	474.1	547.1	658.4	804.4
50°	321.9	321.4	326.1	331.7	344.1	358.2	381.6	417.0	475.1	567.3	700.9
52.5°	291.8	293.4	296.8	303.7	312.6	324.0	345.0	370.6	420.4	500.0	611.4
55°	251.8	253.2	257.8	261.6	268.1	279.6	292.9	314.1	348.3	403.8	495.5
57.5°	218.0	217.4	221.9	222.9	230.2	239.5	249.8	266.4	291.1	332.3	394.1
60°	195.5	194.2	198.0	201.1	204.9	212.5	221.1	237.3	257.0	287.2	340.2
62.5°	175.0	174.4	177.2	180.2	183.4	190.4	197.5	210.0	225.5	251.1	293.1
65°	145.1	146.4	147.7	149.0	150.7	154.9	161.8	170.3	181.0	198.9	229.2
67.5°	114.1	115.4	115.8	118.4	122.1	124.7	128.9	136.5	143.9	159.1	176.3
70°	92.2	91.8	92.2	93.5	98.2	102.9	108.4	114.0	118.6	129.3	143.8
72.5°	79.2	78.4	79.6	79.8	82.1	83.4	86.9	92.1	98.2	105.4	115.9
75°	61.5	61.5	61.5	61.5	63.2	64.0	65.3	66.6	68.7	72.2	79.8
77.5°	45.4	45.5	46.1	46.6	46.9	47.4	48.2	49.4	50.2	52.0	55.4
80°	35.9	36.3	35.9	36.3	36.3	37.1	37.6	38.8	39.3	41.4	42.7
82.5°	27.0	26.7	27.0	27.4	27.4	28.3	28.4	29.3	29.4	30.5	31.8
85°	14.5	13.7	14.5	14.1	14.9	14.1	14.5	15.3	15.3	15.8	17.5
87.5°	10.8	11.3	10.5	10.8	10.6	10.8	10.6	10.4	10.8	10.3	9.9
90°	36.5	36.0	35.5	35.0	34.4	33.6	32.5	31.4	30.3	29.3	25.8
92.5°	40.4	40.1	39.8	39.5	39.1	38.2	36.4	34.7	32.9	31.2	28.5
95°	46.3	46.3	46.3	46.3	46.3	45.3	43.5	41.6	39.7	37.7	34.8
97.5°	50.2	50.0	49.7	49.4	49.2	47.9	45.7	43.6	41.4	39.2	58.8
100°	51.2	51.0	50.6	50.4	50.1	48.9	46.7	44.5	42.4	40.2	82.5
102.5°	52.2	51.7	51.2	50.7	50.2	53.3	60.1	66.8	73.5	80.2	126.4
105°	53.6	53.1	52.6	52.0	51.4	75.2	123.1	171.0	219.0	266.9	291.3
107.5°	168.4	204.6	240.7	276.9	313.0	348.6	383.8	418.9	454.1	489.3	485.4
110°	335.2	373.9	412.6	451.3	490.1	514.0	522.9	531.8	540.8	549.7	546.7



TEST NUMBER: P332446-930

CATALOG NUMBER: S123RDIW-S775D1535U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	575.0	583.3	591.4	599.6	607.8	611.8	611.6	611.5	611.3	611.1	608.1
115°	716.7	715.6	714.5	713.5	712.3	710.5	707.8	705.1	702.3	699.6	697.2
117.5°	796.1	796.0	795.7	795.5	795.3	794.1	791.9	789.8	787.6	785.5	784.2
120°	850.8	850.8	850.8	850.8	850.8	849.7	847.5	845.4	843.2	841.0	840.2
122.5°	904.4	904.2	903.9	903.8	903.5	902.7	901.2	899.6	898.1	896.6	895.5
125°	980.0	979.4	978.8	978.4	977.8	977.2	976.7	976.2	975.7	975.1	974.0
127.5°	1052.6	1053.1	1053.7	1054.3	1054.8	1054.6	1053.8	1052.9	1052.0	1051.2	1049.9
130°	1099.4	1099.9	1100.5	1101.1	1101.6	1101.3	1100.2	1099.1	1098.0	1097.0	1095.9
132.5°	1142.3	1143.0	1143.9	1144.6	1145.3	1145.2	1144.1	1143.0	1141.9	1140.8	1140.0
135°	1207.9	1208.7	1209.5	1210.3	1211.1	1211.1	1210.3	1209.5	1208.7	1207.9	1206.8
137.5°	1269.6	1270.1	1270.6	1271.2	1271.7	1271.4	1270.1	1268.8	1267.5	1266.2	1265.6
140°	1306.6	1307.2	1307.7	1308.2	1308.8	1308.5	1307.4	1306.4	1305.3	1304.2	1303.3
142.5°	1340.8	1341.5	1342.2	1343.0	1343.8	1343.7	1342.9	1342.0	1341.1	1340.3	1339.5
145°	1393.2	1393.2	1393.2	1393.2	1393.2	1392.9	1392.4	1391.8	1391.2	1390.7	1390.2
147.5°	1432.2	1433.4	1434.7	1435.9	1437.1	1437.5	1437.0	1436.4	1435.9	1435.3	1434.8
150°	1461.4	1462.2	1463.1	1463.9	1464.7	1464.8	1464.3	1463.7	1463.1	1462.6	1462.1
152.5°	1484.8	1486.0	1487.3	1488.6	1489.8	1490.0	1489.0	1488.0	1487.0	1486.0	1485.7
155°	1517.5	1519.1	1520.7	1522.3	1524.0	1524.1	1522.7	1521.4	1520.0	1518.7	1518.4
157.5°	1545.0	1547.1	1549.2	1551.4	1553.5	1553.7	1552.1	1550.5	1548.8	1547.2	1547.5
160°	1562.6	1564.5	1566.4	1568.2	1570.2	1570.3	1568.6	1567.1	1565.5	1563.8	1564.1
162.5°	1579.2	1580.9	1582.5	1584.2	1585.8	1585.8	1584.0	1582.1	1580.3	1578.4	1578.7
165°	1599.1	1601.0	1603.0	1604.8	1606.7	1606.6	1604.4	1602.2	1600.1	1597.9	1598.2
167.5°	1613.6	1615.7	1617.9	1620.0	1622.2	1622.2	1620.0	1617.9	1615.7	1613.6	1613.6
170°	1622.3	1624.5	1626.6	1628.8	1631.0	1631.0	1628.8	1626.6	1624.5	1622.3	1622.3
172.5°	1627.2	1629.5	1632.0	1634.3	1636.7	1636.8	1634.7	1632.5	1630.4	1628.2	1627.9
175°	1634.5	1636.6	1638.8	1641.0	1643.2	1643.3	1641.4	1639.5	1637.6	1635.7	1635.4
177.5°	1636.7	1638.8	1641.0	1643.2	1645.4	1645.6	1643.8	1642.1	1640.4	1638.7	1638.4
180°	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5



TEST NUMBER: P332446-930

CATALOG NUMBER: S123RDIW-S775D1535U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	1029.6	1028.5	1023.8	1018.3	1011.1	1006.3	1002.6	1000.5	994.4	986.8	981.8
5°	1093.2	1080.4	1066.7	1050.0	1034.7	1018.9	1009.1	997.5	983.5	967.7	956.6
7.5°	1161.3	1136.2	1109.1	1081.2	1053.6	1028.9	1007.1	988.3	965.9	943.2	927.4
10°	1213.6	1176.8	1138.8	1100.0	1064.5	1031.3	1005.7	980.5	953.6	927.6	907.9
12.5°	1261.0	1212.7	1168.9	1121.2	1075.9	1036.1	999.1	969.6	937.2	909.5	887.0
15°	1321.1	1271.6	1218.6	1146.1	1085.9	1035.5	990.8	951.9	912.6	878.5	856.7
17.5°	1377.3	1302.8	1231.7	1171.1	1092.9	1030.0	975.3	928.8	885.7	849.5	822.7
20°	1400.5	1328.4	1251.1	1173.9	1097.0	1026.5	963.0	911.7	866.9	826.0	801.2
22.5°	1414.5	1332.8	1251.4	1168.4	1086.8	1013.6	950.7	894.3	845.8	806.8	776.2
25°	1430.8	1333.5	1243.8	1161.9	1078.6	999.2	924.5	864.8	812.3	770.9	738.4
27.5°	1441.5	1327.1	1221.2	1130.0	1045.6	966.5	898.1	834.8	781.5	737.7	702.9
30°	1443.6	1321.9	1203.7	1105.1	1019.3	946.7	874.2	813.6	757.2	710.7	678.2
32.5°	1446.3	1309.3	1180.1	1075.4	987.6	915.7	849.9	792.1	734.3	688.5	655.4
35°	1435.1	1302.4	1144.4	1024.0	936.0	866.5	807.1	753.8	697.1	652.6	618.9
37.5°	1386.6	1274.6	1107.3	966.1	874.2	809.8	761.4	714.9	662.8	614.9	583.2
40°	1337.7	1247.2	1078.6	931.0	834.9	768.7	725.2	687.2	636.8	592.1	557.9
42.5°	1265.0	1210.1	1051.3	894.1	790.5	726.8	690.1	654.4	610.3	564.8	532.6
45°	1131.6	1138.8	995.4	835.4	729.0	665.0	630.5	605.7	566.5	528.9	496.0
47.5°	964.3	1032.1	929.8	772.7	664.2	604.1	574.0	552.4	525.9	489.0	459.0
50°	855.0	951.9	877.2	730.8	623.6	563.9	534.0	516.5	493.4	464.4	435.8
52.5°	754.2	858.3	813.7	684.0	579.6	525.0	495.8	481.4	463.0	435.7	409.9
55°	615.1	720.6	710.3	613.3	513.5	464.4	442.2	426.0	413.6	393.1	372.7
57.5°	497.6	597.5	602.8	534.8	455.3	406.8	387.7	375.4	367.4	351.9	333.0
60°	423.5	515.2	533.1	481.9	413.6	371.0	352.1	342.3	335.9	323.6	309.1
62.5°	362.0	440.1	460.4	423.5	373.7	333.7	319.0	309.6	305.2	294.5	281.7
65°	277.0	341.9	361.5	341.0	315.0	283.0	271.1	262.9	259.1	253.2	243.7
67.5°	208.3	255.6	277.1	262.7	253.3	233.1	225.4	221.1	217.7	213.6	205.8
70°	167.3	202.4	224.5	220.7	213.0	202.4	196.8	193.8	190.4	186.9	180.1
72.5°	134.5	158.7	179.4	181.4	175.1	172.9	168.1	166.8	164.8	160.7	156.9
75°	89.2	105.8	120.3	125.9	128.5	130.6	128.5	128.1	127.6	124.3	122.1
77.5°	58.5	67.4	76.6	86.0	90.1	92.9	93.7	95.2	94.1	92.3	91.2
80°	44.8	47.0	53.3	61.5	67.8	70.4	72.2	73.0	72.6	72.2	70.4
82.5°	32.5	34.3	37.3	43.0	48.4	52.7	53.7	53.6	54.5	54.7	53.3
85°	17.5	17.9	18.8	19.6	22.6	27.3	28.6	29.4	30.3	30.3	27.7
87.5°	9.9	8.9	8.8	8.2	8.7	8.5	10.0	11.2	12.1	11.3	11.7
90°	22.2	18.7	15.2	12.1	9.4	6.6	3.9	1.2	3.9	6.6	9.4
92.5°	25.9	23.2	20.5	19.6	20.4	21.1	21.9	22.7	21.9	21.1	20.4
95°	31.8	28.9	25.8	29.9	41.0	52.2	63.3	74.4	63.3	52.2	41.0
97.5°	78.3	97.8	117.2	129.5	134.4	139.5	144.5	149.4	144.5	139.5	134.4
100°	124.7	167.0	209.2	227.6	222.3	216.8	211.4	206.0	211.4	216.8	222.3
102.5°	172.5	218.7	264.8	285.9	282.0	278.2	274.3	270.4	274.3	278.2	282.0
105°	315.7	340.1	364.4	375.1	372.2	369.2	366.2	363.2	366.2	369.2	372.2
107.5°	481.6	477.7	473.9	470.8	468.4	465.9	463.6	461.2	463.6	465.9	468.4
110°	543.7	540.8	537.8	535.2	533.0	530.8	528.7	526.5	528.7	530.8	533.0



TEST NUMBER: P332446-930

CATALOG NUMBER: S123RDIW-S775D1535U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	605.2	602.2	599.2	596.7	594.8	592.9	590.9	589.0	590.9	592.9	594.8
115°	694.7	692.4	689.9	687.9	686.2	684.6	683.0	681.3	683.0	684.6	686.2
117.5°	782.9	781.7	780.5	778.9	776.8	774.8	772.8	770.8	772.8	774.8	776.8
120°	839.4	838.5	837.8	836.2	833.7	831.3	828.8	826.4	828.8	831.3	833.7
122.5°	894.5	893.5	892.5	891.0	888.9	887.0	884.9	883.0	884.9	887.0	888.9
125°	972.9	971.8	970.8	969.1	966.9	964.8	962.6	960.4	962.6	964.8	966.9
127.5°	1048.6	1047.3	1045.9	1044.2	1042.0	1039.9	1037.7	1035.5	1037.7	1039.9	1042.0
130°	1094.8	1093.7	1092.7	1091.0	1088.8	1086.7	1084.5	1082.3	1084.5	1086.7	1088.8
132.5°	1139.1	1138.2	1137.4	1135.9	1133.7	1131.6	1129.4	1127.2	1129.4	1131.6	1133.7
135°	1205.7	1204.6	1203.5	1202.2	1200.6	1199.0	1197.3	1195.7	1197.3	1199.0	1200.6
137.5°	1264.9	1264.4	1263.8	1262.4	1260.4	1258.3	1256.3	1254.2	1256.3	1258.3	1260.4
140°	1302.5	1301.7	1300.9	1299.8	1298.1	1296.5	1294.9	1293.2	1294.9	1296.5	1298.1
142.5°	1338.6	1337.8	1337.0	1335.8	1334.2	1332.5	1330.9	1329.3	1330.9	1332.5	1334.2
145°	1389.6	1389.1	1388.5	1387.3	1385.4	1383.6	1381.6	1379.7	1381.6	1383.6	1385.4
147.5°	1434.3	1433.7	1433.1	1432.2	1431.0	1429.8	1428.6	1427.3	1428.6	1429.8	1431.0
150°	1461.6	1461.0	1460.4	1459.8	1459.0	1458.2	1457.3	1456.5	1457.3	1458.2	1459.0
152.5°	1485.4	1485.1	1484.7	1484.4	1484.0	1483.6	1483.3	1482.9	1483.3	1483.6	1484.0
155°	1518.2	1517.9	1517.6	1517.8	1518.3	1518.8	1519.4	1519.9	1519.4	1518.8	1518.3
157.5°	1547.8	1548.0	1548.3	1548.5	1548.5	1548.6	1548.7	1548.7	1548.7	1548.6	1548.5
160°	1564.3	1564.6	1564.9	1565.1	1565.5	1565.7	1565.9	1566.3	1565.9	1565.7	1565.5
162.5°	1579.0	1579.2	1579.5	1580.0	1580.7	1581.4	1582.1	1582.8	1582.1	1581.4	1580.7
165°	1598.5	1598.7	1599.0	1599.5	1600.4	1601.2	1602.0	1602.8	1602.0	1601.2	1600.4
167.5°	1613.6	1613.6	1613.6	1614.0	1615.2	1616.2	1617.3	1618.4	1617.3	1616.2	1615.2
170°	1622.3	1622.3	1622.3	1622.9	1623.9	1625.0	1626.1	1627.2	1626.1	1625.0	1623.9
172.5°	1627.7	1627.5	1627.3	1627.8	1629.1	1630.4	1631.7	1633.0	1631.7	1630.4	1629.1
175°	1635.2	1634.9	1634.6	1635.2	1636.6	1637.9	1639.2	1640.5	1639.2	1637.9	1636.6
177.5°	1638.2	1638.0	1637.8	1638.2	1639.3	1640.4	1641.4	1642.5	1641.4	1640.4	1639.3
180°	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5



TEST NUMBER: P332446-930

CATALOG NUMBER: S123RDIW-S775D1535U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	980.1	975.6	972.6	965.7	961.2	956.5	951.7	954.8	954.5	954.1	954.1
5°	947.2	937.3	928.4	916.9	909.6	900.7	893.8	893.0	894.7	888.7	885.3
7.5°	914.6	901.2	888.4	875.7	862.3	851.5	844.7	841.6	837.2	833.6	829.7
10°	891.7	875.9	863.5	847.7	833.2	820.4	812.3	806.7	803.7	800.8	795.2
12.5°	868.1	852.6	836.9	819.0	805.2	790.4	784.3	778.0	772.3	769.0	761.4
15°	833.6	813.6	797.0	778.1	762.8	748.3	739.7	727.3	725.6	721.4	713.7
17.5°	799.1	777.3	754.3	740.5	723.1	708.0	695.0	690.8	678.6	674.0	667.3
20°	771.8	751.7	734.2	715.8	690.6	676.5	666.3	660.8	650.9	645.0	640.7
22.5°	748.2	727.8	707.5	686.2	665.4	649.5	642.0	633.4	628.1	619.7	615.1
25°	714.5	692.4	668.1	645.0	630.1	618.1	606.1	598.4	590.8	586.9	578.4
27.5°	675.5	652.2	629.5	612.0	593.7	581.9	571.0	564.2	555.0	548.5	543.8
30°	654.0	626.6	607.0	591.2	567.7	556.6	548.5	540.0	533.1	526.3	521.6
32.5°	629.0	604.1	585.5	565.9	547.9	535.8	525.3	517.8	511.9	505.5	500.8
35°	589.9	569.0	549.8	530.1	516.9	504.5	492.2	485.8	480.2	474.3	469.9
37.5°	554.6	535.0	516.7	498.1	481.8	471.7	461.7	456.8	449.3	445.3	440.9
40°	532.7	513.5	493.8	476.0	458.9	451.2	442.2	435.0	428.1	425.2	420.4
42.5°	508.8	489.6	473.0	453.7	439.8	429.3	421.0	413.1	408.0	403.7	401.0
45°	473.4	456.3	440.1	420.9	407.6	398.7	389.3	382.0	377.3	374.4	369.7
47.5°	439.0	421.9	405.4	388.7	375.9	365.7	356.3	351.2	345.0	341.3	338.2
50°	414.0	398.7	381.2	365.8	353.0	342.8	335.1	328.6	323.1	318.5	316.3
52.5°	391.2	374.8	359.6	345.4	331.8	320.2	313.2	306.5	302.3	296.9	294.4
55°	353.4	337.6	324.8	310.7	297.5	287.7	279.2	273.2	268.9	262.9	259.5
57.5°	318.0	303.9	288.5	276.3	262.7	254.4	247.3	239.2	234.0	229.3	226.0
60°	294.1	277.9	264.6	253.2	241.2	230.5	224.1	217.7	212.1	207.4	204.5
62.5°	269.2	255.0	242.5	229.9	219.0	209.7	202.3	196.9	192.0	189.0	186.1
65°	230.9	219.8	207.0	196.8	186.5	179.7	173.7	169.0	165.6	163.5	160.9
67.5°	195.8	185.0	173.8	163.7	156.9	151.7	147.8	143.7	142.0	139.3	137.6
70°	172.8	161.8	152.0	144.3	137.5	133.6	131.0	128.1	126.4	122.9	121.2
72.5°	148.0	139.9	132.8	126.5	121.1	117.6	114.3	110.6	107.9	104.1	102.5
75°	116.5	109.3	103.7	99.5	96.0	91.3	86.7	82.8	81.5	80.2	79.8
77.5°	86.3	81.7	77.7	74.1	69.9	66.4	65.4	64.6	64.2	63.6	63.6
80°	67.8	63.6	60.6	56.3	53.8	53.8	53.8	52.9	53.3	53.3	53.3
82.5°	50.5	46.6	44.9	43.4	42.9	43.2	43.2	43.4	43.1	43.8	43.5
85°	26.0	26.5	27.3	26.9	27.3	27.3	28.2	27.7	28.2	27.3	28.2
87.5°	12.0	13.6	14.7	15.7	16.8	17.1	17.7	17.9	18.4	18.7	18.8
90°	12.1	15.2	18.7	22.2	25.8	29.3	30.3	31.4	32.5	33.6	34.4
92.5°	19.6	20.5	23.2	25.9	28.5	31.2	32.9	34.7	36.4	38.2	39.1
95°	29.9	25.8	28.9	31.8	34.8	37.7	39.7	41.6	43.5	45.3	46.3
97.5°	129.5	117.2	97.8	78.3	58.8	39.2	41.4	43.6	45.7	47.9	49.2
100°	227.6	209.2	167.0	124.7	82.5	40.2	42.4	44.5	46.7	48.9	50.1
102.5°	285.9	264.8	218.7	172.5	126.4	80.2	73.5	66.8	60.1	53.3	50.2
105°	375.1	364.4	340.1	315.7	291.3	266.9	219.0	171.0	123.1	75.2	51.4
107.5°	470.8	473.9	477.7	481.6	485.4	489.3	454.1	418.9	383.8	348.6	313.0
110°	535.2	537.8	540.8	543.7	546.7	549.7	540.8	531.8	522.9	514.0	490.1



TEST NUMBER: P332446-930

CATALOG NUMBER: S123RDIW-S775D1535U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	596.7	599.2	602.2	605.2	608.1	611.1	611.3	611.5	611.6	611.8	607.8
115°	687.9	689.9	692.4	694.7	697.2	699.6	702.3	705.1	707.8	710.5	712.3
117.5°	778.9	780.5	781.7	782.9	784.2	785.5	787.6	789.8	791.9	794.1	795.3
120°	836.2	837.8	838.5	839.4	840.2	841.0	843.2	845.4	847.5	849.7	850.8
122.5°	891.0	892.5	893.5	894.5	895.5	896.6	898.1	899.6	901.2	902.7	903.5
125°	969.1	970.8	971.8	972.9	974.0	975.1	975.7	976.2	976.7	977.2	977.8
127.5°	1044.2	1045.9	1047.3	1048.6	1049.9	1051.2	1052.0	1052.9	1053.8	1054.6	1054.8
130°	1091.0	1092.7	1093.7	1094.8	1095.9	1097.0	1098.0	1099.1	1100.2	1101.3	1101.6
132.5°	1135.9	1137.4	1138.2	1139.1	1140.0	1140.8	1141.9	1143.0	1144.1	1145.2	1145.3
135°	1202.2	1203.5	1204.6	1205.7	1206.8	1207.9	1208.7	1209.5	1210.3	1211.1	1211.1
137.5°	1262.4	1263.8	1264.4	1264.9	1265.6	1266.2	1267.5	1268.8	1270.1	1271.4	1271.7
140°	1299.8	1300.9	1301.7	1302.5	1303.3	1304.2	1305.3	1306.4	1307.4	1308.5	1308.8
142.5°	1335.8	1337.0	1337.8	1338.6	1339.5	1340.3	1341.1	1342.0	1342.9	1343.7	1343.8
145°	1387.3	1388.5	1389.1	1389.6	1390.2	1390.7	1391.2	1391.8	1392.4	1392.9	1393.2
147.5°	1432.2	1433.1	1433.7	1434.3	1434.8	1435.3	1435.9	1436.4	1437.0	1437.5	1437.1
150°	1459.8	1460.4	1461.0	1461.6	1462.1	1462.6	1463.1	1463.7	1464.3	1464.8	1464.7
152.5°	1484.4	1484.7	1485.1	1485.4	1485.7	1486.0	1487.0	1488.0	1489.0	1490.0	1489.8
155°	1517.8	1517.6	1517.9	1518.2	1518.4	1518.7	1520.0	1521.4	1522.7	1524.1	1524.0
157.5°	1548.5	1548.3	1548.0	1547.8	1547.5	1547.2	1548.8	1550.5	1552.1	1553.7	1553.5
160°	1565.1	1564.9	1564.6	1564.3	1564.1	1563.8	1565.5	1567.1	1568.6	1570.3	1570.2
162.5°	1580.0	1579.5	1579.2	1579.0	1578.7	1578.4	1580.3	1582.1	1584.0	1585.8	1585.8
165°	1599.5	1599.0	1598.7	1598.5	1598.2	1597.9	1600.1	1602.2	1604.4	1606.6	1606.7
167.5°	1614.0	1613.6	1613.6	1613.6	1613.6	1613.6	1615.7	1617.9	1620.0	1622.2	1622.2
170°	1622.9	1622.3	1622.3	1622.3	1622.3	1622.3	1624.5	1626.6	1628.8	1631.0	1631.0
172.5°	1627.8	1627.3	1627.5	1627.7	1627.9	1628.2	1630.4	1632.5	1634.7	1636.8	1636.7
175°	1635.2	1634.6	1634.9	1635.2	1635.4	1635.7	1637.6	1639.5	1641.4	1643.3	1643.2
177.5°	1638.2	1637.8	1638.0	1638.2	1638.4	1638.7	1640.4	1642.1	1643.8	1645.6	1645.4
180°	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5



TEST NUMBER: P332446-930

CATALOG NUMBER: S123RDIW-S775D1535U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	950.0	949.7	950.0	948.6	950.0	949.7	950.0	954.1	954.1	954.5	954.8
5°	884.0	883.5	882.3	878.5	882.3	883.5	884.0	885.3	888.7	894.7	893.0
7.5°	826.4	825.8	822.1	822.1	822.1	825.8	826.4	829.7	833.6	837.2	841.6
10°	792.2	792.6	787.6	784.6	787.6	792.6	792.2	795.2	800.8	803.7	806.7
12.5°	759.1	757.2	753.0	749.7	753.0	757.2	759.1	761.4	769.0	772.3	778.0
15°	715.4	711.1	700.9	701.7	700.9	711.1	715.4	713.7	721.4	725.6	727.3
17.5°	663.9	660.8	660.6	654.6	660.6	660.8	663.9	667.3	674.0	678.6	690.8
20°	633.9	631.8	632.6	626.6	632.6	631.8	633.9	640.7	645.0	650.9	660.8
22.5°	610.3	608.2	604.6	602.8	604.6	608.2	610.3	615.1	619.7	628.1	633.4
25°	575.8	572.4	569.0	571.1	569.0	572.4	575.8	578.4	586.9	590.8	598.4
27.5°	541.4	538.7	535.3	534.9	535.3	538.7	541.4	543.8	548.5	555.0	564.2
30°	519.5	516.9	515.2	513.1	515.2	516.9	519.5	521.6	526.3	533.1	540.0
32.5°	497.3	496.8	493.7	493.3	493.7	496.8	497.3	500.8	505.5	511.9	517.8
35°	468.2	465.7	464.8	465.3	464.8	465.7	468.2	469.9	474.3	480.2	485.8
37.5°	440.7	437.2	435.7	434.2	435.7	437.2	440.7	440.9	445.3	449.3	456.8
40°	420.9	417.4	416.6	415.7	416.6	417.4	420.9	420.4	425.2	428.1	435.0
42.5°	398.7	397.3	396.8	395.3	396.8	397.3	398.7	401.0	403.7	408.0	413.1
45°	368.4	367.9	365.4	366.2	365.4	367.9	368.4	369.7	374.4	377.3	382.0
47.5°	336.5	334.6	332.8	333.9	332.8	334.6	336.5	338.2	341.3	345.0	351.2
50°	314.6	313.7	309.9	310.7	309.9	313.7	314.6	316.3	318.5	323.1	328.6
52.5°	292.8	289.5	288.0	287.6	288.0	289.5	292.8	294.4	296.9	302.3	306.5
55°	256.6	252.7	250.9	250.1	250.9	252.7	256.6	259.5	262.9	268.9	273.2
57.5°	221.0	220.0	218.7	219.6	218.7	220.0	221.0	226.0	229.3	234.0	239.2
60°	200.2	200.2	200.2	199.7	200.2	200.2	200.2	204.5	207.4	212.1	217.7
62.5°	184.2	183.1	182.8	183.4	182.8	183.1	184.2	186.1	189.0	192.0	196.9
65°	159.6	159.2	157.5	157.1	157.5	159.2	159.6	160.9	163.5	165.6	169.0
67.5°	136.5	134.9	134.4	133.9	134.4	134.9	136.5	137.6	139.3	142.0	143.7
70°	119.1	118.2	115.7	116.1	115.7	118.2	119.1	121.2	122.9	126.4	128.1
72.5°	100.3	99.5	99.0	98.3	99.0	99.5	100.3	102.5	104.1	107.9	110.6
75°	79.4	79.0	78.5	80.2	78.5	79.0	79.4	79.8	80.2	81.5	82.8
77.5°	63.6	63.6	63.8	63.2	63.8	63.6	63.6	63.6	63.6	64.2	64.6
80°	53.3	53.3	52.9	52.9	52.9	53.3	53.3	53.3	53.3	53.3	52.9
82.5°	42.8	43.1	43.4	42.7	43.4	43.1	42.8	43.5	43.8	43.1	43.4
85°	28.2	27.7	28.6	28.2	28.6	27.7	28.2	28.2	27.3	28.2	27.7
87.5°	19.6	19.1	19.2	19.6	19.2	19.1	19.6	18.8	18.7	18.4	17.9
90°	35.0	35.5	36.0	36.5	36.0	35.5	35.0	34.4	33.6	32.5	31.4
92.5°	39.5	39.8	40.1	40.4	40.1	39.8	39.5	39.1	38.2	36.4	34.7
95°	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	45.3	43.5	41.6
97.5°	49.4	49.7	50.0	50.2	50.0	49.7	49.4	49.2	47.9	45.7	43.6
100°	50.4	50.6	51.0	51.2	51.0	50.6	50.4	50.1	48.9	46.7	44.5
102.5°	50.7	51.2	51.7	52.2	51.7	51.2	50.7	50.2	53.3	60.1	66.8
105°	52.0	52.6	53.1	53.6	53.1	52.6	52.0	51.4	75.2	123.1	171.0
107.5°	276.9	240.7	204.6	168.4	204.6	240.7	276.9	313.0	348.6	383.8	418.9
110°	451.3	412.6	373.9	335.2	373.9	412.6	451.3	490.1	514.0	522.9	531.8



TEST NUMBER: P332446-930

CATALOG NUMBER: S123RDIW-S775D1535U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	599.6	591.4	583.3	575.0	583.3	591.4	599.6	607.8	611.8	611.6	611.5
115°	713.5	714.5	715.6	716.7	715.6	714.5	713.5	712.3	710.5	707.8	705.1
117.5°	795.5	795.7	796.0	796.1	796.0	795.7	795.5	795.3	794.1	791.9	789.8
120°	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8	849.7	847.5	845.4
122.5°	903.8	903.9	904.2	904.4	904.2	903.9	903.8	903.5	902.7	901.2	899.6
125°	978.4	978.8	979.4	980.0	979.4	978.8	978.4	977.8	977.2	976.7	976.2
127.5°	1054.3	1053.7	1053.1	1052.6	1053.1	1053.7	1054.3	1054.8	1054.6	1053.8	1052.9
130°	1101.1	1100.5	1099.9	1099.4	1099.9	1100.5	1101.1	1101.6	1101.3	1100.2	1099.1
132.5°	1144.6	1143.9	1143.0	1142.3	1143.0	1143.9	1144.6	1145.3	1145.2	1144.1	1143.0
135°	1210.3	1209.5	1208.7	1207.9	1208.7	1209.5	1210.3	1211.1	1211.1	1210.3	1209.5
137.5°	1271.2	1270.6	1270.1	1269.6	1270.1	1270.6	1271.2	1271.7	1271.4	1270.1	1268.8
140°	1308.2	1307.7	1307.2	1306.6	1307.2	1307.7	1308.2	1308.8	1308.5	1307.4	1306.4
142.5°	1343.0	1342.2	1341.5	1340.8	1341.5	1342.2	1343.0	1343.8	1343.7	1342.9	1342.0
145°	1393.2	1393.2	1393.2	1393.2	1393.2	1393.2	1393.2	1393.2	1392.9	1392.4	1391.8
147.5°	1435.9	1434.7	1433.4	1432.2	1433.4	1434.7	1435.9	1437.1	1437.5	1437.0	1436.4
150°	1463.9	1463.1	1462.2	1461.4	1462.2	1463.1	1463.9	1464.7	1464.8	1464.3	1463.7
152.5°	1488.6	1487.3	1486.0	1484.8	1486.0	1487.3	1488.6	1489.8	1490.0	1489.0	1488.0
155°	1522.3	1520.7	1519.1	1517.5	1519.1	1520.7	1522.3	1524.0	1524.1	1522.7	1521.4
157.5°	1551.4	1549.2	1547.1	1545.0	1547.1	1549.2	1551.4	1553.5	1553.7	1552.1	1550.5
160°	1568.2	1566.4	1564.5	1562.6	1564.5	1566.4	1568.2	1570.2	1570.3	1568.6	1567.1
162.5°	1584.2	1582.5	1580.9	1579.2	1580.9	1582.5	1584.2	1585.8	1585.8	1584.0	1582.1
165°	1604.8	1603.0	1601.0	1599.1	1601.0	1603.0	1604.8	1606.7	1606.6	1604.4	1602.2
167.5°	1620.0	1617.9	1615.7	1613.6	1615.7	1617.9	1620.0	1622.2	1622.2	1620.0	1617.9
170°	1628.8	1626.6	1624.5	1622.3	1624.5	1626.6	1628.8	1631.0	1631.0	1628.8	1626.6
172.5°	1634.3	1632.0	1629.5	1627.2	1629.5	1632.0	1634.3	1636.7	1636.8	1634.7	1632.5
175°	1641.0	1638.8	1636.6	1634.5	1636.6	1638.8	1641.0	1643.2	1643.3	1641.4	1639.5
177.5°	1643.2	1641.0	1638.8	1636.7	1638.8	1641.0	1643.2	1645.4	1645.6	1643.8	1642.1
180°	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5



TEST NUMBER: P332446-930

CATALOG NUMBER: S123RDIW-S775D1535U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	951.7	956.5	961.2	965.7	972.6	975.6	980.1	981.8	986.8	994.4	1000.5
5°	893.8	900.7	909.6	916.9	928.4	937.3	947.2	956.6	967.7	983.5	997.5
7.5°	844.7	851.5	862.3	875.7	888.4	901.2	914.6	927.4	943.2	965.9	988.3
10°	812.3	820.4	833.2	847.7	863.5	875.9	891.7	907.9	927.6	953.6	980.5
12.5°	784.3	790.4	805.2	819.0	836.9	852.6	868.1	887.0	909.5	937.2	969.6
15°	739.7	748.3	762.8	778.1	797.0	813.6	833.6	856.7	878.5	912.6	951.9
17.5°	695.0	708.0	723.1	740.5	754.3	777.3	799.1	822.7	849.5	885.7	928.8
20°	666.3	676.5	690.6	715.8	734.2	751.7	771.8	801.2	826.0	866.9	911.7
22.5°	642.0	649.5	665.4	686.2	707.5	727.8	748.2	776.2	806.8	845.8	894.3
25°	606.1	618.1	630.1	645.0	668.1	692.4	714.5	738.4	770.9	812.3	864.8
27.5°	571.0	581.9	593.7	612.0	629.5	652.2	675.5	702.9	737.7	781.5	834.8
30°	548.5	556.6	567.7	591.2	607.0	626.6	654.0	678.2	710.7	757.2	813.6
32.5°	525.3	535.8	547.9	565.9	585.5	604.1	629.0	655.4	688.5	734.3	792.1
35°	492.2	504.5	516.9	530.1	549.8	569.0	589.9	618.9	652.6	697.1	753.8
37.5°	461.7	471.7	481.8	498.1	516.7	535.0	554.6	583.2	614.9	662.8	714.9
40°	442.2	451.2	458.9	476.0	493.8	513.5	532.7	557.9	592.1	636.8	687.2
42.5°	421.0	429.3	439.8	453.7	473.0	489.6	508.8	532.6	564.8	610.3	654.4
45°	389.3	398.7	407.6	420.9	440.1	456.3	473.4	496.0	528.9	566.5	605.7
47.5°	356.3	365.7	375.9	388.7	405.4	421.9	439.0	459.0	489.0	525.9	552.4
50°	335.1	342.8	353.0	365.8	381.2	398.7	414.0	435.8	464.4	493.4	516.5
52.5°	313.2	320.2	331.8	345.4	359.6	374.8	391.2	409.9	435.7	463.0	481.4
55°	279.2	287.7	297.5	310.7	324.8	337.6	353.4	372.7	393.1	413.6	426.0
57.5°	247.3	254.4	262.7	276.3	288.5	303.9	318.0	333.0	351.9	367.4	375.4
60°	224.1	230.5	241.2	253.2	264.6	277.9	294.1	309.1	323.6	335.9	342.3
62.5°	202.3	209.7	219.0	229.9	242.5	255.0	269.2	281.7	294.5	305.2	309.6
65°	173.7	179.7	186.5	196.8	207.0	219.8	230.9	243.7	253.2	259.1	262.9
67.5°	147.8	151.7	156.9	163.7	173.8	185.0	195.8	205.8	213.6	217.7	221.1
70°	131.0	133.6	137.5	144.3	152.0	161.8	172.8	180.1	186.9	190.4	193.8
72.5°	114.3	117.6	121.1	126.5	132.8	139.9	148.0	156.9	160.7	164.8	166.8
75°	86.7	91.3	96.0	99.5	103.7	109.3	116.5	122.1	124.3	127.6	128.1
77.5°	65.4	66.4	69.9	74.1	77.7	81.7	86.3	91.2	92.3	94.1	95.2
80°	53.8	53.8	53.8	56.3	60.6	63.6	67.8	70.4	72.2	72.6	73.0
82.5°	43.2	43.2	42.9	43.4	44.9	46.6	50.5	53.3	54.7	54.5	53.6
85°	28.2	27.3	27.3	26.9	27.3	26.5	26.0	27.7	30.3	30.3	29.4
87.5°	17.7	17.1	16.8	15.7	14.7	13.6	12.0	11.7	11.3	12.1	11.2
90°	30.3	29.3	25.8	22.2	18.7	15.2	12.1	9.4	6.6	3.9	1.2
92.5°	32.9	31.2	28.5	25.9	23.2	20.5	19.6	20.4	21.1	21.9	22.7
95°	39.7	37.7	34.8	31.8	28.9	25.8	29.9	41.0	52.2	63.3	74.4
97.5°	41.4	39.2	58.8	78.3	97.8	117.2	129.5	134.4	139.5	144.5	149.4
100°	42.4	40.2	82.5	124.7	167.0	209.2	227.6	222.3	216.8	211.4	206.0
102.5°	73.5	80.2	126.4	172.5	218.7	264.8	285.9	282.0	278.2	274.3	270.4
105°	219.0	266.9	291.3	315.7	340.1	364.4	375.1	372.2	369.2	366.2	363.2
107.5°	454.1	489.3	485.4	481.6	477.7	473.9	470.8	468.4	465.9	463.6	461.2
110°	540.8	549.7	546.7	543.7	540.8	537.8	535.2	533.0	530.8	528.7	526.5



TEST NUMBER: P332446-930

CATALOG NUMBER: S123RDIW-S775D1535U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	611.3	611.1	608.1	605.2	602.2	599.2	596.7	594.8	592.9	590.9	589.0
115°	702.3	699.6	697.2	694.7	692.4	689.9	687.9	686.2	684.6	683.0	681.3
117.5°	787.6	785.5	784.2	782.9	781.7	780.5	778.9	776.8	774.8	772.8	770.8
120°	843.2	841.0	840.2	839.4	838.5	837.8	836.2	833.7	831.3	828.8	826.4
122.5°	898.1	896.6	895.5	894.5	893.5	892.5	891.0	888.9	887.0	884.9	883.0
125°	975.7	975.1	974.0	972.9	971.8	970.8	969.1	966.9	964.8	962.6	960.4
127.5°	1052.0	1051.2	1049.9	1048.6	1047.3	1045.9	1044.2	1042.0	1039.9	1037.7	1035.5
130°	1098.0	1097.0	1095.9	1094.8	1093.7	1092.7	1091.0	1088.8	1086.7	1084.5	1082.3
132.5°	1141.9	1140.8	1140.0	1139.1	1138.2	1137.4	1135.9	1133.7	1131.6	1129.4	1127.2
135°	1208.7	1207.9	1206.8	1205.7	1204.6	1203.5	1202.2	1200.6	1199.0	1197.3	1195.7
137.5°	1267.5	1266.2	1265.6	1264.9	1264.4	1263.8	1262.4	1260.4	1258.3	1256.3	1254.2
140°	1305.3	1304.2	1303.3	1302.5	1301.7	1300.9	1299.8	1298.1	1296.5	1294.9	1293.2
142.5°	1341.1	1340.3	1339.5	1338.6	1337.8	1337.0	1335.8	1334.2	1332.5	1330.9	1329.3
145°	1391.2	1390.7	1390.2	1389.6	1389.1	1388.5	1387.3	1385.4	1383.6	1381.6	1379.7
147.5°	1435.9	1435.3	1434.8	1434.3	1433.7	1433.1	1432.2	1431.0	1429.8	1428.6	1427.3
150°	1463.1	1462.6	1462.1	1461.6	1461.0	1460.4	1459.8	1459.0	1458.2	1457.3	1456.5
152.5°	1487.0	1486.0	1485.7	1485.4	1485.1	1484.7	1484.4	1484.0	1483.6	1483.3	1482.9
155°	1520.0	1518.7	1518.4	1518.2	1517.9	1517.6	1517.8	1518.3	1518.8	1519.4	1519.9
157.5°	1548.8	1547.2	1547.5	1547.8	1548.0	1548.3	1548.5	1548.5	1548.6	1548.7	1548.7
160°	1565.5	1563.8	1564.1	1564.3	1564.6	1564.9	1565.1	1565.5	1565.7	1565.9	1566.3
162.5°	1580.3	1578.4	1578.7	1579.0	1579.2	1579.5	1580.0	1580.7	1581.4	1582.1	1582.8
165°	1600.1	1597.9	1598.2	1598.5	1598.7	1599.0	1599.5	1600.4	1601.2	1602.0	1602.8
167.5°	1615.7	1613.6	1613.6	1613.6	1613.6	1613.6	1614.0	1615.2	1616.2	1617.3	1618.4
170°	1624.5	1622.3	1622.3	1622.3	1622.3	1622.3	1622.9	1623.9	1625.0	1626.1	1627.2
172.5°	1630.4	1628.2	1627.9	1627.7	1627.5	1627.3	1627.8	1629.1	1630.4	1631.7	1633.0
175°	1637.6	1635.7	1635.4	1635.2	1634.9	1634.6	1635.2	1636.6	1637.9	1639.2	1640.5
177.5°	1640.4	1638.7	1638.4	1638.2	1638.0	1637.8	1638.2	1639.3	1640.4	1641.4	1642.5
180°	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5



TEST NUMBER: P332446-930

CATALOG NUMBER: S123RDIW-S775D1535U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	1002.6	1006.3	1011.1	1018.3	1023.8	1028.5	1029.6	1030.9	1034.4	1040.2	1044.6
5°	1009.1	1018.9	1034.7	1050.0	1066.7	1080.4	1093.2	1102.1	1110.7	1128.6	1143.1
7.5°	1007.1	1028.9	1053.6	1081.2	1109.1	1136.2	1161.3	1183.7	1206.1	1232.2	1262.0
10°	1005.7	1031.3	1064.5	1100.0	1138.8	1176.8	1213.6	1242.1	1275.5	1305.3	1343.3
12.5°	999.1	1036.1	1075.9	1121.2	1168.9	1212.7	1261.0	1300.6	1338.6	1381.8	1426.0
15°	990.8	1035.5	1085.9	1146.1	1218.6	1271.6	1321.1	1389.8	1436.8	1483.8	1546.9
17.5°	975.3	1030.0	1092.9	1171.1	1231.7	1302.8	1377.3	1431.6	1494.9	1561.0	1618.2
20°	963.0	1026.5	1097.0	1173.9	1251.1	1328.4	1400.5	1465.3	1530.7	1607.1	1654.1
22.5°	950.7	1013.6	1086.8	1168.4	1251.4	1332.8	1414.5	1490.6	1564.2	1641.3	1701.2
25°	924.5	999.2	1078.6	1161.9	1243.8	1333.5	1430.8	1515.7	1606.6	1686.0	1742.9
27.5°	898.1	966.5	1045.6	1130.0	1221.2	1327.1	1441.5	1538.1	1629.2	1686.0	1703.9
30°	874.2	946.7	1019.3	1105.1	1203.7	1321.9	1443.6	1554.1	1628.9	1653.6	1635.2
32.5°	849.9	915.7	987.6	1075.4	1180.1	1309.3	1446.3	1544.6	1589.6	1570.7	1495.9
35°	807.1	866.5	936.0	1024.0	1144.4	1302.4	1435.1	1501.6	1490.5	1383.8	1243.0
37.5°	761.4	809.8	874.2	966.1	1107.3	1274.6	1386.6	1396.4	1300.3	1136.5	973.8
40°	725.2	768.7	834.9	931.0	1078.6	1247.2	1337.7	1298.0	1149.1	966.8	831.1
42.5°	690.1	726.8	790.5	894.1	1051.3	1210.1	1265.0	1178.5	1006.7	834.3	710.9
45°	630.5	665.0	729.0	835.4	995.4	1138.8	1131.6	981.3	809.3	670.6	568.1
47.5°	574.0	604.1	664.2	772.7	929.8	1032.1	964.3	804.4	658.4	547.1	474.1
50°	534.0	563.9	623.6	730.8	877.2	951.9	855.0	700.9	567.3	475.1	417.0
52.5°	495.8	525.0	579.6	684.0	813.7	858.3	754.2	611.4	500.0	420.4	370.6
55°	442.2	464.4	513.5	613.3	710.3	720.6	615.1	495.5	403.8	348.3	314.1
57.5°	387.7	406.8	455.3	534.8	602.8	597.5	497.6	394.1	332.3	291.1	266.4
60°	352.1	371.0	413.6	481.9	533.1	515.2	423.5	340.2	287.2	257.0	237.3
62.5°	319.0	333.7	373.7	423.5	460.4	440.1	362.0	293.1	251.1	225.5	210.0
65°	271.1	283.0	315.0	341.0	361.5	341.9	277.0	229.2	198.9	181.0	170.3
67.5°	225.4	233.1	253.3	262.7	277.1	255.6	208.3	176.3	159.1	143.9	136.5
70°	196.8	202.4	213.0	220.7	224.5	202.4	167.3	143.8	129.3	118.6	114.0
72.5°	168.1	172.9	175.1	181.4	179.4	158.7	134.5	115.9	105.4	98.2	92.1
75°	128.5	130.6	128.5	125.9	120.3	105.8	89.2	79.8	72.2	68.7	66.6
77.5°	93.7	92.9	90.1	86.0	76.6	67.4	58.5	55.4	52.0	50.2	49.4
80°	72.2	70.4	67.8	61.5	53.3	47.0	44.8	42.7	41.4	39.3	38.8
82.5°	53.7	52.7	48.4	43.0	37.3	34.3	32.5	31.8	30.5	29.4	29.3
85°	28.6	27.3	22.6	19.6	18.8	17.9	17.5	17.5	15.8	15.3	15.3
87.5°	10.0	8.5	8.7	8.2	8.8	8.9	9.9	9.9	10.3	10.8	10.4
90°	3.9	6.6	9.4	12.1	15.2	18.7	22.2	25.8	29.3	30.3	31.4
92.5°	21.9	21.1	20.4	19.6	20.5	23.2	25.9	28.5	31.2	32.9	34.7
95°	63.3	52.2	41.0	29.9	25.8	28.9	31.8	34.8	37.7	39.7	41.6
97.5°	144.5	139.5	134.4	129.5	117.2	97.8	78.3	58.8	39.2	41.4	43.6
100°	211.4	216.8	222.3	227.6	209.2	167.0	124.7	82.5	40.2	42.4	44.5
102.5°	274.3	278.2	282.0	285.9	264.8	218.7	172.5	126.4	80.2	73.5	66.8
105°	366.2	369.2	372.2	375.1	364.4	340.1	315.7	291.3	266.9	219.0	171.0
107.5°	463.6	465.9	468.4	470.8	473.9	477.7	481.6	485.4	489.3	454.1	418.9
110°	528.7	530.8	533.0	535.2	537.8	540.8	543.7	546.7	549.7	540.8	531.8



TEST NUMBER: P332446-930

CATALOG NUMBER: S123RDIW-S775D1535U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	590.9	592.9	594.8	596.7	599.2	602.2	605.2	608.1	611.1	611.3	611.5
115°	683.0	684.6	686.2	687.9	689.9	692.4	694.7	697.2	699.6	702.3	705.1
117.5°	772.8	774.8	776.8	778.9	780.5	781.7	782.9	784.2	785.5	787.6	789.8
120°	828.8	831.3	833.7	836.2	837.8	838.5	839.4	840.2	841.0	843.2	845.4
122.5°	884.9	887.0	888.9	891.0	892.5	893.5	894.5	895.5	896.6	898.1	899.6
125°	962.6	964.8	966.9	969.1	970.8	971.8	972.9	974.0	975.1	975.7	976.2
127.5°	1037.7	1039.9	1042.0	1044.2	1045.9	1047.3	1048.6	1049.9	1051.2	1052.0	1052.9
130°	1084.5	1086.7	1088.8	1091.0	1092.7	1093.7	1094.8	1095.9	1097.0	1098.0	1099.1
132.5°	1129.4	1131.6	1133.7	1135.9	1137.4	1138.2	1139.1	1140.0	1140.8	1141.9	1143.0
135°	1197.3	1199.0	1200.6	1202.2	1203.5	1204.6	1205.7	1206.8	1207.9	1208.7	1209.5
137.5°	1256.3	1258.3	1260.4	1262.4	1263.8	1264.4	1264.9	1265.6	1266.2	1267.5	1268.8
140°	1294.9	1296.5	1298.1	1299.8	1300.9	1301.7	1302.5	1303.3	1304.2	1305.3	1306.4
142.5°	1330.9	1332.5	1334.2	1335.8	1337.0	1337.8	1338.6	1339.5	1340.3	1341.1	1342.0
145°	1381.6	1383.6	1385.4	1387.3	1388.5	1389.1	1389.6	1390.2	1390.7	1391.2	1391.8
147.5°	1428.6	1429.8	1431.0	1432.2	1433.1	1433.7	1434.3	1434.8	1435.3	1435.9	1436.4
150°	1457.3	1458.2	1459.0	1459.8	1460.4	1461.0	1461.6	1462.1	1462.6	1463.1	1463.7
152.5°	1483.3	1483.6	1484.0	1484.4	1484.7	1485.1	1485.4	1485.7	1486.0	1487.0	1488.0
155°	1519.4	1518.8	1518.3	1517.8	1517.6	1517.9	1518.2	1518.4	1518.7	1520.0	1521.4
157.5°	1548.7	1548.6	1548.5	1548.5	1548.3	1548.0	1547.8	1547.5	1547.2	1548.8	1550.5
160°	1565.9	1565.7	1565.5	1565.1	1564.9	1564.6	1564.3	1564.1	1563.8	1565.5	1567.1
162.5°	1582.1	1581.4	1580.7	1580.0	1579.5	1579.2	1579.0	1578.7	1578.4	1580.3	1582.1
165°	1602.0	1601.2	1600.4	1599.5	1599.0	1598.7	1598.5	1598.2	1597.9	1600.1	1602.2
167.5°	1617.3	1616.2	1615.2	1614.0	1613.6	1613.6	1613.6	1613.6	1613.6	1615.7	1617.9
170°	1626.1	1625.0	1623.9	1622.9	1622.3	1622.3	1622.3	1622.3	1622.3	1624.5	1626.6
172.5°	1631.7	1630.4	1629.1	1627.8	1627.3	1627.5	1627.7	1627.9	1628.2	1630.4	1632.5
175°	1639.2	1637.9	1636.6	1635.2	1634.6	1634.9	1635.2	1635.4	1635.7	1637.6	1639.5
177.5°	1641.4	1640.4	1639.3	1638.2	1637.8	1638.0	1638.2	1638.4	1638.7	1640.4	1642.1
180°	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5



TEST NUMBER: P332446-930

CATALOG NUMBER: S123RDIW-S775D1535U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	1051.7	1051.7	1053.1	1058.3	1058.9	1063.4	1062.0
5°	1155.9	1164.0	1167.0	1179.8	1187.5	1190.9	1184.1
7.5°	1283.3	1306.2	1317.0	1330.4	1342.3	1345.9	1336.5
10°	1376.1	1400.0	1420.2	1432.5	1444.1	1451.7	1461.5
12.5°	1466.0	1495.3	1514.4	1531.9	1543.8	1553.5	1555.1
15°	1563.6	1607.9	1641.7	1666.4	1678.8	1685.2	1682.6
17.5°	1662.0	1703.2	1727.1	1752.4	1769.5	1770.4	1770.9
20°	1717.7	1757.8	1785.5	1804.3	1823.5	1822.7	1826.9
22.5°	1754.9	1786.5	1807.7	1821.4	1828.0	1824.7	1825.5
25°	1772.3	1781.7	1777.8	1756.1	1750.5	1730.5	1733.9
27.5°	1682.5	1638.1	1592.1	1533.1	1486.5	1449.3	1451.2
30°	1560.6	1482.1	1392.4	1317.3	1249.9	1231.0	1190.9
32.5°	1390.2	1272.4	1167.3	1097.3	1039.4	1023.8	988.8
35°	1101.3	986.8	878.9	814.0	788.4	752.5	752.1
37.5°	856.0	755.3	698.1	649.5	623.9	602.3	600.1
40°	720.1	641.6	598.4	563.5	538.3	522.0	518.2
42.5°	625.2	561.7	521.3	499.6	480.2	471.8	465.6
45°	510.5	467.8	439.7	420.0	411.1	404.6	401.2
47.5°	427.1	398.4	379.2	366.2	358.9	352.1	353.9
50°	381.6	358.2	344.1	331.7	326.1	321.4	321.9
52.5°	345.0	324.0	312.6	303.7	296.8	293.4	291.8
55°	292.9	279.6	268.1	261.6	257.8	253.2	251.8
57.5°	249.8	239.5	230.2	222.9	221.9	217.4	218.0
60°	221.1	212.5	204.9	201.1	198.0	194.2	195.5
62.5°	197.5	190.4	183.4	180.2	177.2	174.4	175.0
65°	161.8	154.9	150.7	149.0	147.7	146.4	145.1
67.5°	128.9	124.7	122.1	118.4	115.8	115.4	114.1
70°	108.4	102.9	98.2	93.5	92.2	91.8	92.2
72.5°	86.9	83.4	82.1	79.8	79.6	78.4	79.2
75°	65.3	64.0	63.2	61.5	61.5	61.5	61.5
77.5°	48.2	47.4	46.9	46.6	46.1	45.5	45.4
80°	37.6	37.1	36.3	36.3	35.9	36.3	35.9
82.5°	28.4	28.3	27.4	27.4	27.0	26.7	27.0
85°	14.5	14.1	14.9	14.1	14.5	13.7	14.5
87.5°	10.6	10.8	10.6	10.8	10.5	11.3	10.8
90°	32.5	33.6	34.4	35.0	35.5	36.0	36.5
92.5°	36.4	38.2	39.1	39.5	39.8	40.1	40.4
95°	43.5	45.3	46.3	46.3	46.3	46.3	46.3
97.5°	45.7	47.9	49.2	49.4	49.7	50.0	50.2
100°	46.7	48.9	50.1	50.4	50.6	51.0	51.2
102.5°	60.1	53.3	50.2	50.7	51.2	51.7	52.2
105°	123.1	75.2	51.4	52.0	52.6	53.1	53.6
107.5°	383.8	348.6	313.0	276.9	240.7	204.6	168.4
110°	522.9	514.0	490.1	451.3	412.6	373.9	335.2



TEST NUMBER: P332446-930

CATALOG NUMBER: S123RDIW-S775D1535U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	611.6	611.8	607.8	599.6	591.4	583.3	575.0
115°	707.8	710.5	712.3	713.5	714.5	715.6	716.7
117.5°	791.9	794.1	795.3	795.5	795.7	796.0	796.1
120°	847.5	849.7	850.8	850.8	850.8	850.8	850.8
122.5°	901.2	902.7	903.5	903.8	903.9	904.2	904.4
125°	976.7	977.2	977.8	978.4	978.8	979.4	980.0
127.5°	1053.8	1054.6	1054.8	1054.3	1053.7	1053.1	1052.6
130°	1100.2	1101.3	1101.6	1101.1	1100.5	1099.9	1099.4
132.5°	1144.1	1145.2	1145.3	1144.6	1143.9	1143.0	1142.3
135°	1210.3	1211.1	1211.1	1210.3	1209.5	1208.7	1207.9
137.5°	1270.1	1271.4	1271.7	1271.2	1270.6	1270.1	1269.6
140°	1307.4	1308.5	1308.8	1308.2	1307.7	1307.2	1306.6
142.5°	1342.9	1343.7	1343.8	1343.0	1342.2	1341.5	1340.8
145°	1392.4	1392.9	1393.2	1393.2	1393.2	1393.2	1393.2
147.5°	1437.0	1437.5	1437.1	1435.9	1434.7	1433.4	1432.2
150°	1464.3	1464.8	1464.7	1463.9	1463.1	1462.2	1461.4
152.5°	1489.0	1490.0	1489.8	1488.6	1487.3	1486.0	1484.8
155°	1522.7	1524.1	1524.0	1522.3	1520.7	1519.1	1517.5
157.5°	1552.1	1553.7	1553.5	1551.4	1549.2	1547.1	1545.0
160°	1568.6	1570.3	1570.2	1568.2	1566.4	1564.5	1562.6
162.5°	1584.0	1585.8	1585.8	1584.2	1582.5	1580.9	1579.2
165°	1604.4	1606.6	1606.7	1604.8	1603.0	1601.0	1599.1
167.5°	1620.0	1622.2	1622.2	1620.0	1617.9	1615.7	1613.6
170°	1628.8	1631.0	1631.0	1628.8	1626.6	1624.5	1622.3
172.5°	1634.7	1636.8	1636.7	1634.3	1632.0	1629.5	1627.2
175°	1641.4	1643.3	1643.2	1641.0	1638.8	1636.6	1634.5
177.5°	1643.8	1645.6	1645.4	1643.2	1641.0	1638.8	1636.7
180°	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5	1640.5

(END OF REPORT)