

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1029693

Luminaire Tested: S122DIW-B675D710UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029693
REPORT IS A COMBINATION OF REPORTS P986660 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIW-B675D710UB2750-4F0-XX-W2A-A_4000K
Description: Define 2 Direct/Indirect Wall Mount with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

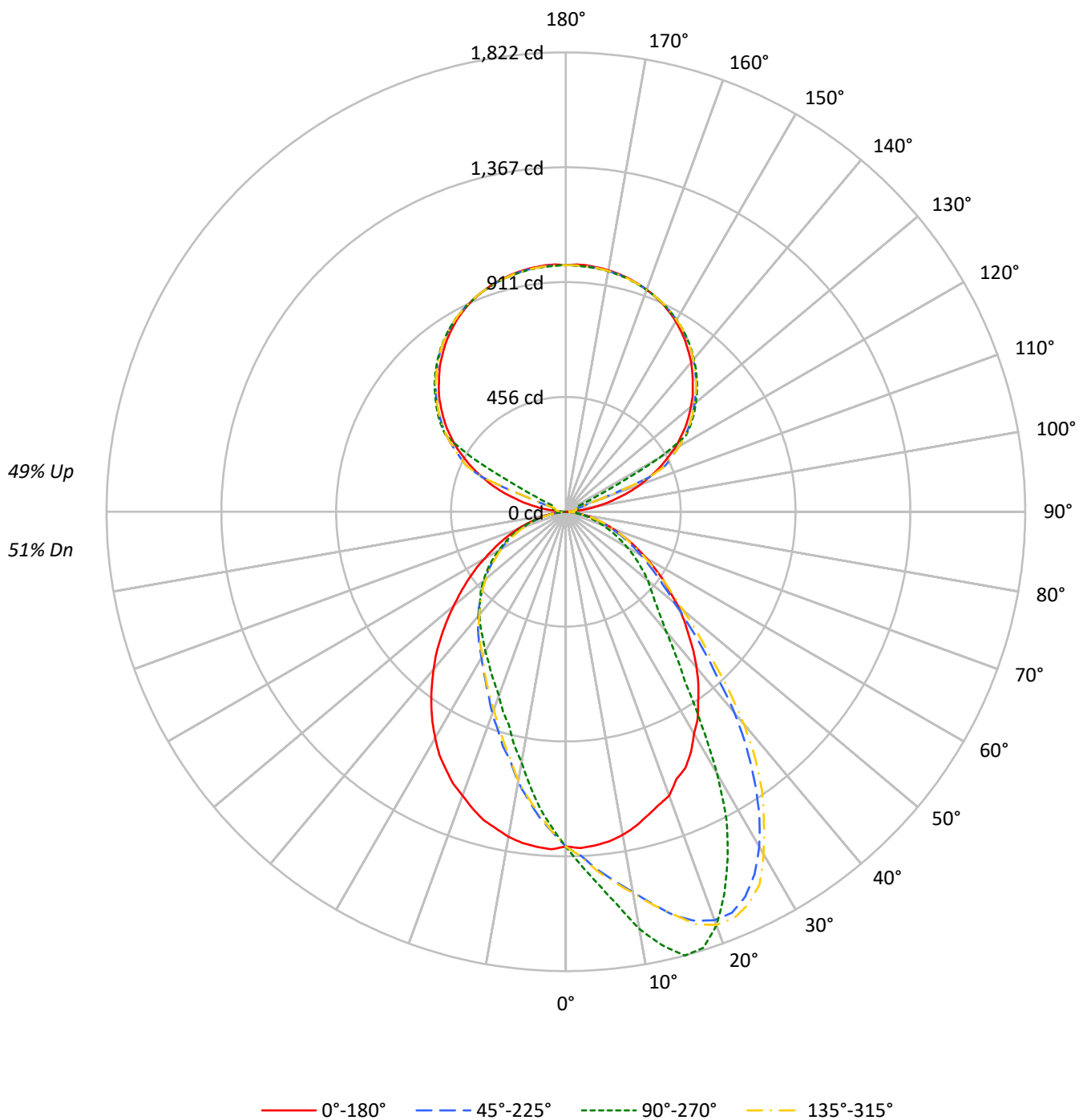
Lumens per Lamp: N/A
Luminaire Lumens: 5799.0 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 59.1
Input Voltage (V):
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: 24 FT

TEST NUMBER: P1029693

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1029693

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_4000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51	51	51
1	98	94	91	87	91	87	84	81	74	72	70	62	60	59	51	50	49	44	44	44
2	90	83	77	72	83	77	72	67	65	62	58	55	52	50	45	43	42	37	37	37
3	82	73	66	61	76	68	62	57	58	54	50	49	46	43	41	38	36	32	32	32
4	76	65	58	52	70	61	54	49	52	47	43	44	40	37	37	34	32	28	28	28
5	70	58	50	45	64	54	47	42	47	41	37	40	36	32	33	30	28	25	25	25
6	64	53	45	39	59	49	42	37	42	37	33	36	32	29	30	27	25	22	22	22
7	60	48	40	34	55	44	38	33	39	33	29	33	29	26	28	25	22	20	20	20
8	55	43	36	31	51	41	34	29	35	30	26	30	26	23	26	22	20	18	18	18
9	52	40	32	27	48	37	31	26	32	27	23	28	24	21	24	21	18	16	16	16
10	48	36	29	25	45	34	28	24	30	25	21	26	22	19	22	19	17	15	15	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	21015	21015	21015	21015
5°	21065	22407	21146	17826
10°	20820	24460	20951	14697
15°	20316	25800	20597	12380
20°	19999	24224	19999	10760
25°	19360	20811	19448	9622
30°	18312	16359	18661	8716
35°	17383	11312	17674	7975
40°	16315	8542	16501	7384
45°	14998	7019	15244	6746
50°	13860	6160	13884	6174
55°	12561	5249	12644	5555
60°	11179	4385	11334	4849
65°	9940	3566	10121	4141
70°	8705	2799	8926	3340
75°	7306	2031	7591	2421
80°	5700	1287	6108	1438
85°	3743	649	4040	480

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 21722 cd/sqm

TEST NUMBER: P1029693

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.4	2.2
10°-20°	368.0	6.3
20°-30°	534.1	9.2
30°-40°	563.1	9.7
40°-50°	498.3	8.6
50°-60°	397.9	6.9
60°-70°	270.2	4.7
70°-80°	138.3	2.4
80°-90°	34.4	0.6
90°-100°	32.3	0.6
100°-110°	120.3	2.1
110°-120°	319.0	5.5
120°-130°	529.0	9.1
130°-140°	561.9	9.7
140°-150°	522.3	9.0
150°-160°	419.9	7.2
160°-170°	270.6	4.7
170°-180°	93.1	1.6
0°-30°	1028.6	17.7
0°-40°	1591.7	27.4
0°-60°	2487.8	42.9
0°-90°	2930.7	50.5
90°-120°	471.5	8.1
90°-150°	2084.7	35.9
90°-180°	2868.0	49.5
0°-180°	5799.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1328	1328	1328	1328	1328	
5°	1329	1483	1334	1180	1329	126
15°	1248	1822	1265	874	1248	352
25°	1121	1518	1126	702	1121	513
35°	915	826	931	583	915	573
45°	687	498	698	479	687	533
55°	471	350	474	370	471	421
65°	280	215	285	250	280	278
75°	131	106	136	126	131	140
85°	26	28	29	20	26	31
90°	1	19	1	19	1	4
95°	46	30	46	30	46	54
105°	215	54	215	54	215	230
115°	407	58	407	58	407	401
125°	576	605	576	605	576	513
135°	712	736	712	736	712	550
145°	826	839	826	839	826	517
155°	910	910	910	910	910	419
165°	959	956	959	956	959	271
175°	980	975	980	975	980	93
180°	978	978	978	978	978	

TEST NUMBER: P1029693

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6
2.5°	1334.7	1337.8	1342.9	1343.9	1354.1	1362.3	1371.4	1371.4	1374.5	1373.5	1365.3
5°	1328.6	1337.8	1351.0	1362.3	1380.6	1388.8	1401.0	1410.2	1418.4	1424.5	1423.5
7.5°	1318.4	1334.7	1354.1	1375.5	1400.0	1414.3	1431.6	1448.0	1459.2	1469.4	1476.5
10°	1301.0	1328.6	1355.1	1383.7	1415.3	1434.7	1455.1	1476.5	1493.9	1513.3	1531.6
12.5°	1277.6	1317.4	1350.0	1387.8	1426.5	1448.0	1480.6	1496.9	1530.6	1579.6	1592.9
15°	1248.0	1302.0	1332.7	1380.6	1431.6	1449.0	1493.9	1520.4	1589.8	1620.4	1657.2
17.5°	1220.4	1280.6	1321.4	1376.5	1426.5	1460.2	1504.1	1558.2	1616.3	1660.2	1701.0
20°	1198.0	1256.1	1305.1	1366.3	1429.6	1472.5	1518.4	1583.7	1646.9	1691.8	1723.5
22.5°	1146.9	1221.4	1278.6	1346.9	1423.5	1482.7	1526.5	1598.0	1666.3	1693.9	1721.4
25°	1121.4	1185.7	1252.0	1329.6	1419.4	1489.8	1527.6	1607.2	1667.4	1677.6	1683.7
27.5°	1074.5	1146.9	1224.5	1313.3	1418.4	1477.6	1525.5	1598.0	1645.9	1638.8	1620.4
30°	1016.3	1105.1	1190.8	1286.7	1404.1	1468.4	1513.3	1579.6	1604.1	1567.4	1534.7
32.5°	973.5	1057.1	1152.0	1263.3	1387.8	1449.0	1492.9	1544.9	1550.0	1483.7	1428.6
35°	915.3	1008.2	1115.3	1232.7	1360.2	1415.3	1456.1	1487.8	1463.3	1370.4	1305.1
37.5°	863.3	955.1	1069.4	1188.8	1322.5	1376.5	1409.2	1414.3	1354.1	1272.5	1176.5
40°	806.1	901.0	1020.4	1145.9	1280.6	1327.6	1348.0	1332.7	1245.9	1151.0	1039.8
42.5°	749.0	842.9	971.4	1100.0	1227.6	1267.4	1275.5	1233.7	1127.6	1016.3	887.8
45°	686.7	784.7	913.3	1042.9	1166.3	1188.8	1189.8	1129.6	1004.1	887.8	768.4
47.5°	635.7	726.5	854.1	983.7	1087.8	1103.1	1096.9	1027.6	890.8	760.2	656.1
50°	579.6	666.3	792.9	920.4	1009.2	1013.3	998.0	899.0	765.3	645.9	563.3
52.5°	519.4	607.1	723.5	845.9	925.5	919.4	889.8	783.7	658.2	559.2	495.9
55°	471.4	549.0	658.2	777.6	833.7	816.3	783.7	675.5	576.5	492.9	437.8
57.5°	418.4	486.7	593.9	698.0	730.6	714.3	681.6	580.6	488.8	425.5	388.8
60°	368.4	430.6	524.5	611.2	636.7	619.4	581.6	490.8	424.5	371.4	343.9
62.5°	322.5	376.5	455.1	534.7	544.9	527.6	494.9	421.4	364.3	322.5	302.0
65°	279.6	330.6	393.9	454.1	463.3	444.9	411.2	358.2	310.2	283.7	264.3
67.5°	237.8	278.6	334.7	378.6	383.7	366.3	338.8	295.9	266.3	237.8	223.5
70°	201.0	231.6	275.5	311.2	313.3	296.9	282.7	243.9	221.4	201.0	189.8
72.5°	165.3	186.7	220.4	246.9	248.0	237.8	224.5	200.0	180.6	166.3	155.1
75°	130.6	149.0	169.4	192.9	191.8	183.7	173.5	158.2	141.8	132.7	127.6
77.5°	100.0	111.2	127.6	142.9	142.9	138.8	132.7	121.4	111.2	102.0	96.9
80°	71.4	78.6	91.8	96.9	99.0	98.0	92.9	84.7	80.6	73.5	71.4
82.5°	45.9	51.0	57.1	62.2	65.3	63.3	62.2	58.2	52.0	50.0	48.0
85°	26.5	28.6	31.6	34.7	35.7	34.7	36.7	33.7	30.6	30.6	29.6
87.5°	11.2	12.2	14.3	14.3	15.3	15.3	14.3	15.3	15.3	14.3	13.3
90°	0.7	2.4	4.2	5.9	7.6	8.5	9.1	10.4	11.7	12.9	14.2
92.5°	17.7	17.1	16.5	15.8	15.2	14.9	15.1	15.6	16.1	16.5	17.0
95°	46.0	40.8	35.6	30.5	25.3	22.7	23.2	24.3	25.4	26.5	27.6
97.5°	82.8	69.9	57.0	44.1	31.2	24.8	26.1	28.6	31.1	33.6	36.1
100°	125.3	103.7	82.2	60.6	39.1	28.3	29.6	32.3	35.0	37.7	40.4
102.5°	172.0	171.7	171.4	171.1	170.8	170.6	156.3	127.7	99.0	70.4	41.8
105°	215.2	219.9	224.7	229.4	234.1	236.5	215.0	172.1	129.1	86.2	43.2
107.5°	265.5	269.4	273.4	277.3	281.2	283.2	256.7	203.7	150.6	97.6	44.6
110°	313.6	316.9	320.2	323.5	326.8	328.5	305.8	260.3	214.8	169.4	123.9

TEST NUMBER: P1029693

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	358.9	361.7	364.6	367.4	370.3	371.7	370.4	367.7	365.0	362.3	359.6
115°	407.1	409.8	412.4	415.1	417.8	419.1	421.1	425.0	428.9	432.9	436.8
117.5°	448.8	452.0	455.1	458.3	461.4	463.0	464.3	467.0	469.7	472.3	475.0
120°	495.6	498.0	500.3	502.7	505.0	506.2	507.6	510.4	513.3	516.1	518.9
122.5°	535.2	537.7	540.2	542.7	545.2	546.5	548.1	551.2	554.4	557.5	560.7
125°	575.6	577.6	579.7	581.7	583.8	584.8	586.3	589.3	592.2	595.2	598.2
127.5°	612.4	614.6	616.8	619.0	621.2	622.3	623.5	625.8	628.2	630.5	632.9
130°	647.1	649.6	652.1	654.6	657.1	658.4	659.3	661.0	662.7	664.5	666.2
132.5°	682.5	684.5	686.6	688.6	690.7	691.7	692.6	694.3	696.0	697.8	699.5
135°	712.2	714.7	717.2	719.7	722.2	723.5	724.2	725.6	727.1	728.5	729.9
137.5°	743.3	745.2	747.1	749.0	750.9	751.8	752.6	754.2	755.7	757.3	758.9
140°	773.8	775.1	776.3	777.6	778.9	779.5	780.4	782.1	783.8	785.5	787.2
142.5°	799.3	800.4	801.5	802.6	803.7	804.2	805.2	807.3	809.3	811.4	813.4
145°	826.2	826.0	825.9	825.7	825.6	825.5	826.8	829.5	832.2	834.8	837.5
147.5°	849.5	849.0	848.6	848.1	847.6	847.4	848.7	851.4	854.1	856.7	859.4
150°	872.2	871.1	870.0	868.9	867.8	867.2	868.5	871.0	873.5	876.1	878.6
152.5°	891.3	890.0	888.8	887.5	886.2	885.6	886.8	889.2	891.5	893.9	896.3
155°	909.7	908.3	906.9	905.4	904.0	903.3	904.2	906.1	908.0	909.9	911.8
157.5°	924.6	923.3	922.1	920.8	919.5	918.9	919.6	921.0	922.5	923.9	925.3
160°	937.3	936.4	935.4	934.5	933.6	933.1	933.6	934.5	935.4	936.4	937.3
162.5°	948.7	947.7	946.8	945.8	944.9	944.4	944.8	945.6	946.3	947.1	947.9
165°	958.6	957.6	956.7	955.7	954.8	954.3	954.5	955.0	955.5	955.9	956.4
167.5°	966.3	965.4	964.4	963.5	962.6	962.1	962.3	962.8	963.3	963.7	964.2
170°	972.7	971.8	970.8	969.9	969.0	968.5	968.7	969.0	969.3	969.6	969.9
172.5°	977.0	976.0	975.1	974.1	973.2	972.7	972.9	973.2	973.5	973.8	974.1
175°	980.5	979.4	978.3	977.2	976.1	975.6	975.8	976.1	976.4	976.7	977.0
177.5°	981.9	980.8	979.7	978.6	977.5	977.0	977.1	977.2	977.4	977.5	977.7
180°	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4

TEST NUMBER: P1029693

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6
2.5°	1379.6	1380.6	1382.7	1392.9	1398.0	1399.0	1394.9	1404.1	1407.2	1404.1	1402.0
5°	1444.9	1451.0	1463.3	1476.5	1475.5	1476.5	1482.7	1488.8	1490.8	1482.7	1485.7
7.5°	1502.1	1514.3	1527.6	1548.0	1548.0	1558.2	1562.3	1567.4	1579.6	1573.5	1571.4
10°	1567.4	1583.7	1608.2	1640.8	1641.8	1652.1	1662.3	1678.6	1683.7	1679.6	1681.6
12.5°	1649.0	1680.6	1682.7	1718.4	1734.7	1736.7	1753.1	1750.0	1760.2	1760.2	1777.6
15°	1684.7	1733.7	1761.2	1795.9	1806.1	1793.9	1807.2	1821.4	1822.5	1822.5	1821.4
17.5°	1749.0	1768.4	1795.9	1814.3	1818.4	1818.4	1819.4	1825.5	1821.4	1813.3	1819.4
20°	1762.3	1770.4	1780.6	1778.6	1780.6	1770.4	1760.2	1750.0	1751.0	1745.9	1761.2
22.5°	1737.8	1735.7	1712.3	1696.9	1696.9	1676.5	1657.2	1648.0	1638.8	1641.8	1646.9
25°	1676.5	1644.9	1616.3	1593.9	1588.8	1556.1	1529.6	1521.4	1506.1	1518.4	1520.4
27.5°	1578.6	1542.9	1496.9	1477.6	1451.0	1437.8	1419.4	1394.9	1363.3	1381.6	1378.6
30°	1473.5	1420.4	1382.7	1335.7	1293.9	1290.8	1256.1	1215.3	1199.0	1199.0	1208.2
32.5°	1356.1	1285.7	1230.6	1164.3	1123.5	1106.1	1064.3	1023.5	1032.7	1002.0	1013.3
35°	1219.4	1126.5	1057.1	992.9	962.3	941.8	887.8	865.3	840.8	826.5	853.1
37.5°	1088.8	981.6	892.9	822.5	811.2	774.5	737.8	723.5	709.2	715.3	714.3
40°	929.6	834.7	755.1	700.0	680.6	663.3	638.8	621.4	612.2	617.4	618.4
42.5°	785.7	706.1	646.9	608.2	591.8	579.6	567.4	553.1	550.0	550.0	554.1
45°	674.5	609.2	569.4	537.8	528.6	519.4	510.2	504.1	502.0	498.0	501.0
47.5°	585.7	533.7	509.2	485.7	475.5	473.5	465.3	462.2	458.2	457.1	458.2
50°	511.2	478.6	456.1	442.9	435.7	432.7	428.6	422.5	420.4	425.5	423.5
52.5°	459.2	428.6	416.3	403.1	399.0	394.9	388.8	389.8	388.8	386.7	386.7
55°	407.1	387.8	375.5	365.3	364.3	360.2	355.1	353.1	352.0	350.0	353.1
57.5°	365.3	350.0	338.8	329.6	325.5	325.5	320.4	316.3	316.3	315.3	316.3
60°	323.5	308.2	301.0	291.8	288.8	287.8	284.7	282.7	279.6	279.6	279.6
62.5°	284.7	272.5	264.3	256.1	257.1	252.0	248.0	245.9	245.9	246.9	246.9
65°	248.0	239.8	229.6	222.5	220.4	219.4	217.3	216.3	213.3	215.3	215.3
67.5°	214.3	203.1	196.9	193.9	190.8	189.8	187.8	185.7	184.7	183.7	185.7
70°	180.6	171.4	166.3	164.3	161.2	160.2	159.2	156.1	157.1	158.2	159.2
72.5°	150.0	141.8	140.8	134.7	134.7	134.7	130.6	132.7	131.6	129.6	131.6
75°	118.4	114.3	112.2	109.2	110.2	109.2	108.2	105.1	105.1	106.1	107.1
77.5°	93.9	89.8	88.8	85.7	83.7	85.7	83.7	82.7	82.7	83.7	83.7
80°	69.4	67.3	64.3	64.3	64.3	63.3	63.3	63.3	62.2	61.2	62.2
82.5°	45.9	45.9	44.9	43.9	44.9	42.9	43.9	43.9	43.9	43.9	43.9
85°	29.6	28.6	28.6	27.6	27.6	27.6	28.6	26.5	26.5	27.6	27.6
87.5°	13.3	13.3	13.3	14.3	13.3	13.3	13.3	14.3	13.3	13.3	13.3
90°	15.0	15.8	16.5	17.3	17.7	17.9	18.2	18.5	18.8	19.1	18.8
92.5°	17.3	17.6	17.9	18.2	18.4	18.5	18.6	18.8	18.9	19.1	18.9
95°	28.4	29.2	29.9	30.7	31.1	31.0	30.9	30.7	30.6	30.4	30.6
97.5°	36.6	37.0	37.5	38.0	38.2	38.3	38.4	38.6	38.7	38.9	38.7
100°	41.6	42.9	44.1	45.4	46.0	46.2	46.5	46.8	47.1	47.4	47.1
102.5°	43.5	45.3	47.0	48.7	49.6	49.8	50.3	50.8	51.2	51.7	51.2
105°	44.9	46.7	48.4	50.1	51.0	51.3	51.9	52.6	53.2	53.8	53.2
107.5°	46.3	48.1	49.8	51.5	52.4	52.7	53.3	54.0	54.6	55.2	54.6
110°	108.2	92.4	76.7	61.0	53.1	53.4	54.0	54.7	55.3	55.9	55.3

TEST NUMBER: P1029693

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	291.8	224.0	156.2	88.4	54.5	54.7	55.2	55.7	56.1	56.6	56.1
115°	364.0	291.1	218.3	145.4	109.0	103.3	92.0	80.7	69.4	58.1	69.4
117.5°	452.5	430.0	407.5	385.0	373.8	353.2	312.0	270.7	229.5	188.3	229.5
120°	520.8	522.7	524.6	526.5	527.4	516.8	495.5	474.3	453.0	431.8	453.0
122.5°	561.6	562.6	563.5	564.4	564.9	565.0	565.2	565.3	565.5	565.7	565.5
125°	599.3	600.4	601.5	602.6	603.2	603.4	603.9	604.4	604.8	605.3	604.8
127.5°	634.5	636.1	637.6	639.2	640.0	640.1	640.2	640.4	640.5	640.7	640.5
130°	667.9	669.7	671.4	673.1	674.0	673.9	673.8	673.6	673.5	673.3	673.5
132.5°	700.9	702.3	703.7	705.1	705.8	705.7	705.6	705.4	705.3	705.1	705.3
135°	731.5	733.1	734.6	736.2	737.0	736.8	736.5	736.2	735.9	735.6	735.9
137.5°	760.5	762.1	763.6	765.2	766.0	765.8	765.3	764.8	764.4	763.9	764.4
140°	788.6	790.0	791.5	792.9	793.6	793.2	792.4	791.7	790.9	790.1	790.9
142.5°	814.7	815.9	817.2	818.5	819.1	818.7	817.9	817.2	816.4	815.6	816.4
145°	838.6	839.7	840.8	841.9	842.5	842.1	841.3	840.5	839.7	838.9	839.7
147.5°	860.2	861.0	861.8	862.6	863.0	862.7	862.1	861.4	860.8	860.2	860.8
150°	879.5	880.5	881.4	882.3	882.8	882.4	881.6	880.9	880.1	879.3	880.1
152.5°	897.2	898.2	899.1	900.0	900.5	900.0	898.9	897.8	896.7	895.6	896.7
155°	912.8	913.7	914.7	915.6	916.1	915.5	914.2	912.9	911.7	910.4	911.7
157.5°	926.4	927.5	928.6	929.7	930.2	929.6	928.3	927.1	925.8	924.6	925.8
160°	938.3	939.2	940.2	941.1	941.6	941.0	939.9	938.8	937.7	936.6	937.7
162.5°	949.0	950.1	951.2	952.3	952.9	952.2	950.8	949.3	947.9	946.5	947.9
165°	957.5	958.6	959.7	960.8	961.4	960.8	959.7	958.6	957.5	956.4	957.5
167.5°	965.3	966.4	967.5	968.6	969.2	968.5	967.1	965.6	964.2	962.8	964.2
170°	971.0	972.1	973.2	974.3	974.8	974.1	972.7	971.3	969.9	968.5	969.9
172.5°	975.2	976.3	977.4	978.5	979.1	978.4	977.0	975.5	974.1	972.7	974.1
175°	978.1	979.2	980.3	981.4	981.9	981.1	979.5	978.0	976.4	974.8	976.4
177.5°	978.8	979.9	981.0	982.1	982.6	981.9	980.5	979.1	977.7	976.3	977.7
180°	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4

TEST NUMBER: P1029693

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6
2.5°	1407.2	1400.0	1393.9	1394.9	1400.0	1395.9	1385.7	1372.5	1367.4	1361.2	1367.4
5°	1491.8	1485.7	1473.5	1474.5	1471.4	1467.4	1451.0	1430.6	1430.6	1414.3	1412.3
7.5°	1575.5	1566.3	1558.2	1556.1	1544.9	1536.7	1522.5	1493.9	1482.7	1463.3	1452.0
10°	1669.4	1662.3	1653.1	1641.8	1635.7	1621.4	1598.0	1556.1	1535.7	1509.2	1489.8
12.5°	1764.3	1763.3	1742.9	1720.4	1719.4	1696.9	1680.6	1624.5	1596.9	1561.2	1515.3
15°	1824.5	1819.4	1808.2	1796.9	1800.0	1775.5	1738.8	1672.5	1654.1	1611.2	1562.3
17.5°	1823.5	1823.5	1820.4	1818.4	1815.3	1808.2	1787.8	1743.9	1714.3	1660.2	1614.3
20°	1765.3	1778.6	1781.6	1780.6	1790.8	1795.9	1794.9	1767.4	1743.9	1695.9	1649.0
22.5°	1649.0	1679.6	1692.9	1701.0	1722.5	1733.7	1760.2	1750.0	1743.9	1708.2	1668.4
25°	1540.8	1551.0	1590.8	1592.9	1622.5	1650.0	1676.5	1693.9	1716.3	1703.1	1669.4
27.5°	1401.0	1424.5	1453.1	1474.5	1480.6	1536.7	1580.6	1613.3	1664.3	1668.4	1657.2
30°	1242.9	1254.1	1301.0	1329.6	1362.3	1403.1	1466.3	1522.5	1568.4	1610.2	1624.5
32.5°	1050.0	1095.9	1123.5	1158.2	1186.7	1259.2	1336.7	1409.2	1462.3	1532.7	1563.3
35°	873.5	909.2	956.1	970.4	1022.5	1083.7	1184.7	1277.6	1358.2	1429.6	1491.8
37.5°	727.6	756.1	806.1	828.6	859.2	937.8	1022.5	1137.8	1234.7	1322.5	1400.0
40°	627.6	649.0	686.7	693.9	719.4	790.8	859.2	967.4	1095.9	1214.3	1299.0
42.5°	559.2	569.4	594.9	604.1	620.4	668.4	729.6	831.6	951.0	1073.5	1192.9
45°	510.2	517.4	532.7	540.8	561.2	582.7	632.7	714.3	808.2	931.6	1060.2
47.5°	466.3	475.5	481.6	486.7	498.0	521.4	554.1	614.3	704.1	817.4	941.8
50°	429.6	432.7	443.9	444.9	452.0	467.3	498.0	534.7	606.1	698.0	818.4
52.5°	392.9	395.9	403.1	410.2	413.3	425.5	445.9	476.5	529.6	602.0	709.2
55°	356.1	360.2	367.3	372.5	375.5	385.7	398.0	427.6	469.4	520.4	608.2
57.5°	319.4	328.6	330.6	333.7	338.8	350.0	361.2	378.6	411.2	458.2	522.5
60°	284.7	287.8	294.9	298.0	303.1	309.2	323.5	336.7	360.2	396.9	455.1
62.5°	249.0	256.1	259.2	262.2	266.3	273.5	282.7	296.9	317.3	346.9	392.9
65°	218.4	219.4	225.5	229.6	233.7	238.8	248.0	261.2	273.5	301.0	334.7
67.5°	188.8	190.8	192.9	196.9	202.0	207.1	215.3	222.5	237.8	256.1	282.7
70°	160.2	160.2	165.3	168.4	167.3	173.5	179.6	187.8	199.0	216.3	237.8
72.5°	134.7	133.7	137.8	138.8	140.8	144.9	149.0	157.1	163.3	176.5	192.9
75°	107.1	109.2	111.2	111.2	114.3	117.3	121.4	125.5	132.7	140.8	153.1
77.5°	84.7	84.7	86.7	87.8	90.8	89.8	93.9	98.0	103.1	110.2	119.4
80°	62.2	64.3	64.3	64.3	65.3	66.3	70.4	73.5	76.5	81.6	85.7
82.5°	43.9	43.9	45.9	45.9	45.9	48.0	48.0	49.0	51.0	54.1	57.1
85°	27.6	27.6	27.6	28.6	27.6	28.6	30.6	29.6	30.6	32.7	32.7
87.5°	13.3	13.3	13.3	13.3	13.3	14.3	13.3	14.3	15.3	15.3	15.3
90°	18.5	18.2	17.9	17.7	17.3	16.5	15.8	15.0	14.2	12.9	11.7
92.5°	18.8	18.6	18.5	18.4	18.2	17.9	17.6	17.3	17.0	16.5	16.1
95°	30.7	30.9	31.0	31.1	30.7	29.9	29.2	28.4	27.6	26.5	25.4
97.5°	38.6	38.4	38.3	38.2	38.0	37.5	37.0	36.6	36.1	33.6	31.1
100°	46.8	46.5	46.2	46.0	45.4	44.1	42.9	41.6	40.4	37.7	35.0
102.5°	50.8	50.3	49.8	49.6	48.7	47.0	45.3	43.5	41.8	70.4	99.0
105°	52.6	51.9	51.3	51.0	50.1	48.4	46.7	44.9	43.2	86.2	129.1
107.5°	54.0	53.3	52.7	52.4	51.5	49.8	48.1	46.3	44.6	97.6	150.6
110°	54.7	54.0	53.4	53.1	61.0	76.7	92.4	108.2	123.9	169.4	214.8

TEST NUMBER: P1029693

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	55.7	55.2	54.7	54.5	88.4	156.2	224.0	291.8	359.6	362.3	365.0
115°	80.7	92.0	103.3	109.0	145.4	218.3	291.1	364.0	436.8	432.9	428.9
117.5°	270.7	312.0	353.2	373.8	385.0	407.5	430.0	452.5	475.0	472.3	469.7
120°	474.3	495.5	516.8	527.4	526.5	524.6	522.7	520.8	518.9	516.1	513.3
122.5°	565.3	565.2	565.0	564.9	564.4	563.5	562.6	561.6	560.7	557.5	554.4
125°	604.4	603.9	603.4	603.2	602.6	601.5	600.4	599.3	598.2	595.2	592.2
127.5°	640.4	640.2	640.1	640.0	639.2	637.6	636.1	634.5	632.9	630.5	628.2
130°	673.6	673.8	673.9	674.0	673.1	671.4	669.7	667.9	666.2	664.5	662.7
132.5°	705.4	705.6	705.7	705.8	705.1	703.7	702.3	700.9	699.5	697.8	696.0
135°	736.2	736.5	736.8	737.0	736.2	734.6	733.1	731.5	729.9	728.5	727.1
137.5°	764.8	765.3	765.8	766.0	765.2	763.6	762.1	760.5	758.9	757.3	755.7
140°	791.7	792.4	793.2	793.6	792.9	791.5	790.0	788.6	787.2	785.5	783.8
142.5°	817.2	817.9	818.7	819.1	818.5	817.2	815.9	814.7	813.4	811.4	809.3
145°	840.5	841.3	842.1	842.5	841.9	840.8	839.7	838.6	837.5	834.8	832.2
147.5°	861.4	862.1	862.7	863.0	862.6	861.8	861.0	860.2	859.4	856.7	854.1
150°	880.9	881.6	882.4	882.8	882.3	881.4	880.5	879.5	878.6	876.1	873.5
152.5°	897.8	898.9	900.0	900.5	900.0	899.1	898.2	897.2	896.3	893.9	891.5
155°	912.9	914.2	915.5	916.1	915.6	914.7	913.7	912.8	911.8	909.9	908.0
157.5°	927.1	928.3	929.6	930.2	929.7	928.6	927.5	926.4	925.3	923.9	922.5
160°	938.8	939.9	941.0	941.6	941.1	940.2	939.2	938.3	937.3	936.4	935.4
162.5°	949.3	950.8	952.2	952.9	952.3	951.2	950.1	949.0	947.9	947.1	946.3
165°	958.6	959.7	960.8	961.4	960.8	959.7	958.6	957.5	956.4	955.9	955.5
167.5°	965.6	967.1	968.5	969.2	968.6	967.5	966.4	965.3	964.2	963.7	963.3
170°	971.3	972.7	974.1	974.8	974.3	973.2	972.1	971.0	969.9	969.6	969.3
172.5°	975.5	977.0	978.4	979.1	978.5	977.4	976.3	975.2	974.1	973.8	973.5
175°	978.0	979.5	981.1	981.9	981.4	980.3	979.2	978.1	977.0	976.7	976.4
177.5°	979.1	980.5	981.9	982.6	982.1	981.0	979.9	978.8	977.7	977.5	977.4
180°	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4

TEST NUMBER: P1029693

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6
2.5°	1362.3	1357.2	1354.1	1356.1	1350.0	1334.7	1334.7	1339.8	1333.7	1327.6	1318.4
5°	1400.0	1389.8	1383.7	1382.7	1368.4	1343.9	1338.8	1333.7	1320.4	1306.1	1290.8
7.5°	1436.7	1418.4	1408.2	1401.0	1380.6	1349.0	1335.7	1324.5	1303.1	1281.6	1262.3
10°	1467.4	1440.8	1428.6	1417.4	1390.8	1351.0	1329.6	1309.2	1281.6	1254.1	1229.6
12.5°	1491.8	1461.2	1445.9	1429.6	1396.9	1344.9	1318.4	1285.7	1258.2	1221.4	1196.9
15°	1532.7	1469.4	1455.1	1439.8	1406.1	1334.7	1302.0	1265.3	1227.6	1178.6	1152.0
17.5°	1565.3	1480.6	1479.6	1446.9	1403.1	1330.6	1280.6	1232.7	1191.8	1142.9	1101.0
20°	1584.7	1498.0	1481.6	1448.0	1392.9	1303.1	1251.0	1198.0	1154.1	1094.9	1053.1
22.5°	1601.0	1522.5	1479.6	1438.8	1371.4	1293.9	1217.4	1167.4	1107.1	1042.9	1003.1
25°	1607.2	1527.6	1482.7	1435.7	1356.1	1267.4	1180.6	1126.5	1059.2	1001.0	946.9
27.5°	1608.2	1526.5	1471.4	1422.5	1334.7	1232.7	1143.9	1086.7	1012.3	944.9	890.8
30°	1598.0	1515.3	1465.3	1412.3	1314.3	1201.0	1099.0	1035.7	956.1	888.8	832.7
32.5°	1567.4	1492.9	1452.0	1393.9	1287.8	1157.2	1056.1	985.7	902.0	835.7	781.6
35°	1516.3	1465.3	1420.4	1366.3	1253.1	1116.3	1013.3	930.6	845.9	782.7	731.6
37.5°	1453.1	1425.5	1383.7	1330.6	1213.3	1079.6	965.3	873.5	788.8	727.6	677.6
40°	1367.4	1374.5	1333.7	1285.7	1166.3	1029.6	903.1	815.3	735.7	678.6	629.6
42.5°	1274.5	1304.1	1280.6	1234.7	1114.3	974.5	857.1	760.2	682.7	623.5	582.7
45°	1174.5	1225.5	1211.2	1177.6	1060.2	916.3	791.8	698.0	629.6	572.5	536.7
47.5°	1065.3	1137.8	1137.8	1113.3	1000.0	858.2	735.7	639.8	572.5	531.6	496.9
50°	954.1	1035.7	1049.0	1032.7	932.7	791.8	667.4	580.6	522.5	482.7	457.1
52.5°	837.8	932.7	957.1	949.0	861.2	728.6	611.2	526.5	473.5	438.8	416.3
55°	726.5	836.7	863.3	866.3	784.7	659.2	549.0	474.5	423.5	400.0	380.6
57.5°	621.4	727.6	757.1	762.2	707.1	595.9	490.8	425.5	379.6	360.2	344.9
60°	531.6	620.4	659.2	670.4	622.5	522.5	436.7	373.5	338.8	320.4	306.1
62.5°	458.2	529.6	570.4	573.5	552.0	458.2	380.6	327.6	298.0	281.6	274.5
65°	386.7	451.0	475.5	487.8	470.4	396.9	328.6	284.7	261.2	246.9	239.8
67.5°	329.6	370.4	390.8	407.1	389.8	334.7	279.6	243.9	226.5	212.2	208.2
70°	270.4	304.1	319.4	335.7	320.4	278.6	238.8	206.1	190.8	179.6	174.5
72.5°	216.3	242.9	257.1	267.3	258.2	223.5	190.8	168.4	157.1	149.0	145.9
75°	171.4	189.8	198.0	205.1	201.0	174.5	154.1	135.7	125.5	118.4	116.3
77.5°	130.6	143.9	153.1	155.1	150.0	132.7	115.3	104.1	95.9	91.8	89.8
80°	92.9	101.0	106.1	109.2	104.1	96.9	84.7	76.5	69.4	64.3	63.3
82.5°	62.2	66.3	70.4	69.4	67.3	61.2	54.1	50.0	46.9	42.9	42.9
85°	35.7	36.7	38.8	39.8	38.8	34.7	30.6	28.6	26.5	23.5	23.5
87.5°	15.3	16.3	16.3	17.3	15.3	15.3	13.3	11.2	11.2	10.2	9.2
90°	10.4	9.1	8.5	7.6	5.9	4.2	2.4	0.7	2.4	4.2	5.9
92.5°	15.6	15.1	14.9	15.2	15.8	16.5	17.1	17.7	17.1	16.5	15.8
95°	24.3	23.2	22.7	25.3	30.5	35.6	40.8	46.0	40.8	35.6	30.5
97.5°	28.6	26.1	24.8	31.2	44.1	57.0	69.9	82.8	69.9	57.0	44.1
100°	32.3	29.6	28.3	39.1	60.6	82.2	103.7	125.3	103.7	82.2	60.6
102.5°	127.7	156.3	170.6	170.8	171.1	171.4	171.7	172.0	171.7	171.4	171.1
105°	172.1	215.0	236.5	234.1	229.4	224.7	219.9	215.2	219.9	224.7	229.4
107.5°	203.7	256.7	283.2	281.2	277.3	273.4	269.4	265.5	269.4	273.4	277.3
110°	260.3	305.8	328.5	326.8	323.5	320.2	316.9	313.6	316.9	320.2	323.5

TEST NUMBER: P1029693

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	367.7	370.4	371.7	370.3	367.4	364.6	361.7	358.9	361.7	364.6	367.4
115°	425.0	421.1	419.1	417.8	415.1	412.4	409.8	407.1	409.8	412.4	415.1
117.5°	467.0	464.3	463.0	461.4	458.3	455.1	452.0	448.8	452.0	455.1	458.3
120°	510.4	507.6	506.2	505.0	502.7	500.3	498.0	495.6	498.0	500.3	502.7
122.5°	551.2	548.1	546.5	545.2	542.7	540.2	537.7	535.2	537.7	540.2	542.7
125°	589.3	586.3	584.8	583.8	581.7	579.7	577.6	575.6	577.6	579.7	581.7
127.5°	625.8	623.5	622.3	621.2	619.0	616.8	614.6	612.4	614.6	616.8	619.0
130°	661.0	659.3	658.4	657.1	654.6	652.1	649.6	647.1	649.6	652.1	654.6
132.5°	694.3	692.6	691.7	690.7	688.6	686.6	684.5	682.5	684.5	686.6	688.6
135°	725.6	724.2	723.5	722.2	719.7	717.2	714.7	712.2	714.7	717.2	719.7
137.5°	754.2	752.6	751.8	750.9	749.0	747.1	745.2	743.3	745.2	747.1	749.0
140°	782.1	780.4	779.5	778.9	777.6	776.3	775.1	773.8	775.1	776.3	777.6
142.5°	807.3	805.2	804.2	803.7	802.6	801.5	800.4	799.3	800.4	801.5	802.6
145°	829.5	826.8	825.5	825.6	825.7	825.9	826.0	826.2	826.0	825.9	825.7
147.5°	851.4	848.7	847.4	847.6	848.1	848.6	849.0	849.5	849.0	848.6	848.1
150°	871.0	868.5	867.2	867.8	868.9	870.0	871.1	872.2	871.1	870.0	868.9
152.5°	889.2	886.8	885.6	886.2	887.5	888.8	890.0	891.3	890.0	888.8	887.5
155°	906.1	904.2	903.3	904.0	905.4	906.9	908.3	909.7	908.3	906.9	905.4
157.5°	921.0	919.6	918.9	919.5	920.8	922.1	923.3	924.6	923.3	922.1	920.8
160°	934.5	933.6	933.1	933.6	934.5	935.4	936.4	937.3	936.4	935.4	934.5
162.5°	945.6	944.8	944.4	944.9	945.8	946.8	947.7	948.7	947.7	946.8	945.8
165°	955.0	954.5	954.3	954.8	955.7	956.7	957.6	958.6	957.6	956.7	955.7
167.5°	962.8	962.3	962.1	962.6	963.5	964.4	965.4	966.3	965.4	964.4	963.5
170°	969.0	968.7	968.5	969.0	969.9	970.8	971.8	972.7	971.8	970.8	969.9
172.5°	973.2	972.9	972.7	973.2	974.1	975.1	976.0	977.0	976.0	975.1	974.1
175°	976.1	975.8	975.6	976.1	977.2	978.3	979.4	980.5	979.4	978.3	977.2
177.5°	977.2	977.1	977.0	977.5	978.6	979.7	980.8	981.9	980.8	979.7	978.6
180°	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4

TEST NUMBER: P1029693

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6
2.5°	1313.3	1318.4	1317.4	1307.2	1295.9	1286.7	1269.4	1271.4	1265.3	1266.3	1272.5
5°	1280.6	1280.6	1276.5	1262.3	1243.9	1233.7	1214.3	1209.2	1196.9	1195.9	1194.9
7.5°	1245.9	1240.8	1235.7	1215.3	1192.9	1176.5	1150.0	1143.9	1131.6	1123.5	1119.4
10°	1205.1	1198.0	1187.8	1164.3	1136.7	1116.3	1088.8	1080.6	1057.1	1046.9	1040.8
12.5°	1160.2	1156.1	1139.8	1120.4	1075.5	1053.1	1013.3	1021.4	998.0	977.6	974.5
15°	1115.3	1100.0	1090.8	1059.2	1005.1	994.9	963.3	946.9	925.5	909.2	909.2
17.5°	1071.4	1048.0	1027.6	993.9	954.1	925.5	902.0	893.9	867.4	851.0	848.0
20°	1013.3	986.7	981.6	933.7	906.1	874.5	852.0	831.6	812.2	805.1	800.0
22.5°	958.2	927.6	919.4	878.6	851.0	819.4	796.9	782.7	768.4	763.3	754.1
25°	899.0	880.6	868.4	824.5	793.9	764.3	749.0	738.8	725.5	724.5	718.4
27.5°	841.8	824.5	812.2	770.4	748.0	720.4	708.2	696.9	689.8	686.7	683.7
30°	792.9	773.5	759.2	728.6	701.0	678.6	668.4	661.2	657.1	652.0	651.0
32.5°	738.8	727.6	708.2	684.7	663.3	641.8	635.7	630.6	624.5	622.5	621.4
35°	692.9	677.6	665.3	638.8	629.6	611.2	604.1	600.0	591.8	589.8	587.8
37.5°	648.0	633.7	620.4	604.1	586.7	576.5	572.5	566.3	562.2	563.3	561.2
40°	603.1	591.8	581.6	564.3	554.1	549.0	540.8	534.7	532.7	533.7	532.7
42.5°	559.2	549.0	542.9	529.6	519.4	514.3	509.2	503.1	506.1	506.1	509.2
45°	519.4	510.2	506.1	495.9	489.8	481.6	476.5	475.5	479.6	478.6	478.6
47.5°	478.6	475.5	470.4	461.2	453.1	448.0	446.9	446.9	451.0	453.1	452.0
50°	446.9	440.8	434.7	427.6	421.4	419.4	416.3	418.4	422.5	422.5	424.5
52.5°	407.1	403.1	401.0	394.9	390.8	390.8	390.8	391.8	394.9	398.0	396.9
55°	372.5	369.4	367.3	364.3	359.2	360.2	359.2	361.2	364.3	367.3	369.4
57.5°	335.7	334.7	332.7	327.6	327.6	326.5	329.6	330.6	335.7	337.8	340.8
60°	303.1	300.0	300.0	295.9	295.9	295.9	299.0	302.0	306.1	307.1	309.2
62.5°	268.4	268.4	267.3	264.3	264.3	267.3	268.4	272.5	274.5	274.5	277.6
65°	235.7	234.7	233.7	234.7	235.7	235.7	238.8	240.8	242.9	243.9	244.9
67.5°	203.1	202.0	204.1	203.1	205.1	209.2	208.2	211.2	214.3	214.3	215.3
70°	172.5	174.5	173.5	175.5	174.5	176.5	179.6	180.6	180.6	181.6	184.7
72.5°	143.9	143.9	143.9	142.9	143.9	145.9	148.0	149.0	151.0	152.0	155.1
75°	116.3	116.3	114.3	116.3	116.3	118.4	120.4	120.4	120.4	122.4	125.5
77.5°	87.8	88.8	87.8	89.8	89.8	90.8	92.9	91.8	93.9	94.9	95.9
80°	64.3	63.3	63.3	63.3	64.3	64.3	66.3	67.3	67.3	70.4	68.4
82.5°	40.8	41.8	40.8	41.8	41.8	42.9	41.8	42.9	43.9	45.9	44.9
85°	23.5	22.4	22.4	23.5	22.4	22.4	23.5	22.4	23.5	22.4	23.5
87.5°	9.2	8.2	8.2	8.2	8.2	7.1	7.1	6.1	6.1	6.1	5.1
90°	7.6	8.5	9.1	10.4	11.7	12.9	14.2	15.0	15.8	16.5	17.3
92.5°	15.2	14.9	15.1	15.6	16.1	16.5	17.0	17.3	17.6	17.9	18.2
95°	25.3	22.7	23.2	24.3	25.4	26.5	27.6	28.4	29.2	29.9	30.7
97.5°	31.2	24.8	26.1	28.6	31.1	33.6	36.1	36.6	37.0	37.5	38.0
100°	39.1	28.3	29.6	32.3	35.0	37.7	40.4	41.6	42.9	44.1	45.4
102.5°	170.8	170.6	156.3	127.7	99.0	70.4	41.8	43.5	45.3	47.0	48.7
105°	234.1	236.5	215.0	172.1	129.1	86.2	43.2	44.9	46.7	48.4	50.1
107.5°	281.2	283.2	256.7	203.7	150.6	97.6	44.6	46.3	48.1	49.8	51.5
110°	326.8	328.5	305.8	260.3	214.8	169.4	123.9	108.2	92.4	76.7	61.0

TEST NUMBER: P1029693

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	370.3	371.7	370.4	367.7	365.0	362.3	359.6	291.8	224.0	156.2	88.4
115°	417.8	419.1	421.1	425.0	428.9	432.9	436.8	364.0	291.1	218.3	145.4
117.5°	461.4	463.0	464.3	467.0	469.7	472.3	475.0	452.5	430.0	407.5	385.0
120°	505.0	506.2	507.6	510.4	513.3	516.1	518.9	520.8	522.7	524.6	526.5
122.5°	545.2	546.5	548.1	551.2	554.4	557.5	560.7	561.6	562.6	563.5	564.4
125°	583.8	584.8	586.3	589.3	592.2	595.2	598.2	599.3	600.4	601.5	602.6
127.5°	621.2	622.3	623.5	625.8	628.2	630.5	632.9	634.5	636.1	637.6	639.2
130°	657.1	658.4	659.3	661.0	662.7	664.5	666.2	667.9	669.7	671.4	673.1
132.5°	690.7	691.7	692.6	694.3	696.0	697.8	699.5	700.9	702.3	703.7	705.1
135°	722.2	723.5	724.2	725.6	727.1	728.5	729.9	731.5	733.1	734.6	736.2
137.5°	750.9	751.8	752.6	754.2	755.7	757.3	758.9	760.5	762.1	763.6	765.2
140°	778.9	779.5	780.4	782.1	783.8	785.5	787.2	788.6	790.0	791.5	792.9
142.5°	803.7	804.2	805.2	807.3	809.3	811.4	813.4	814.7	815.9	817.2	818.5
145°	825.6	825.5	826.8	829.5	832.2	834.8	837.5	838.6	839.7	840.8	841.9
147.5°	847.6	847.4	848.7	851.4	854.1	856.7	859.4	860.2	861.0	861.8	862.6
150°	867.8	867.2	868.5	871.0	873.5	876.1	878.6	879.5	880.5	881.4	882.3
152.5°	886.2	885.6	886.8	889.2	891.5	893.9	896.3	897.2	898.2	899.1	900.0
155°	904.0	903.3	904.2	906.1	908.0	909.9	911.8	912.8	913.7	914.7	915.6
157.5°	919.5	918.9	919.6	921.0	922.5	923.9	925.3	926.4	927.5	928.6	929.7
160°	933.6	933.1	933.6	934.5	935.4	936.4	937.3	938.3	939.2	940.2	941.1
162.5°	944.9	944.4	944.8	945.6	946.3	947.1	947.9	949.0	950.1	951.2	952.3
165°	954.8	954.3	954.5	955.0	955.5	955.9	956.4	957.5	958.6	959.7	960.8
167.5°	962.6	962.1	962.3	962.8	963.3	963.7	964.2	965.3	966.4	967.5	968.6
170°	969.0	968.5	968.7	969.0	969.3	969.6	969.9	971.0	972.1	973.2	974.3
172.5°	973.2	972.7	972.9	973.2	973.5	973.8	974.1	975.2	976.3	977.4	978.5
175°	976.1	975.6	975.8	976.1	976.4	976.7	977.0	978.1	979.2	980.3	981.4
177.5°	977.5	977.0	977.1	977.2	977.4	977.5	977.7	978.8	979.9	981.0	982.1
180°	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4

TEST NUMBER: P1029693

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6
2.5°	1265.3	1268.4	1261.2	1259.2	1261.2	1254.1	1256.1	1258.2	1258.2	1261.2	1263.3
5°	1191.8	1187.8	1180.6	1178.6	1176.5	1179.6	1177.6	1180.6	1181.6	1188.8	1189.8
7.5°	1119.4	1113.3	1107.1	1101.0	1099.0	1093.9	1099.0	1099.0	1106.1	1104.1	1109.2
10°	1033.7	1032.7	1024.5	1021.4	1017.4	1009.2	1020.4	1017.4	1022.5	1031.6	1033.7
12.5°	970.4	959.2	964.3	950.0	955.1	946.9	948.0	948.0	956.1	957.1	955.1
15°	910.2	901.0	887.8	881.6	878.6	874.5	887.8	888.8	882.7	896.9	891.8
17.5°	849.0	849.0	836.7	833.7	825.5	829.6	827.6	828.6	826.5	836.7	841.8
20°	795.9	790.8	786.7	787.8	777.6	775.5	773.5	775.5	782.7	789.8	791.8
22.5°	753.1	750.0	739.8	741.8	733.7	736.7	734.7	739.8	740.8	740.8	748.0
25°	712.2	708.2	709.2	705.1	702.0	702.0	699.0	702.0	706.1	708.2	709.2
27.5°	681.6	678.6	673.5	670.4	672.5	667.4	671.4	674.5	674.5	672.5	674.5
30°	644.9	646.9	646.9	636.7	640.8	638.8	641.8	643.9	643.9	644.9	642.9
32.5°	620.4	614.3	613.3	612.2	612.2	608.2	608.2	611.2	612.2	613.3	616.3
35°	587.8	587.8	582.7	585.7	581.6	582.7	581.6	582.7	584.7	581.6	584.7
37.5°	558.2	559.2	557.1	559.2	560.2	558.2	556.1	560.2	558.2	558.2	556.1
40°	532.7	531.6	532.7	532.7	532.7	533.7	531.6	531.6	531.6	529.6	527.6
42.5°	511.2	505.1	507.1	508.2	505.1	505.1	506.1	505.1	508.2	502.0	502.0
45°	480.6	478.6	479.6	479.6	481.6	478.6	480.6	481.6	478.6	477.6	475.5
47.5°	453.1	455.1	453.1	455.1	455.1	457.1	453.1	454.1	455.1	451.0	448.0
50°	425.5	425.5	428.6	427.6	428.6	426.5	426.5	425.5	426.5	424.5	421.4
52.5°	400.0	396.9	402.0	401.0	400.0	399.0	398.0	399.0	396.9	394.9	394.9
55°	368.4	368.4	371.4	372.5	372.5	370.4	368.4	369.4	368.4	367.3	366.3
57.5°	342.9	338.8	340.8	341.8	341.8	338.8	340.8	338.8	338.8	339.8	336.7
60°	310.2	310.2	308.2	311.2	311.2	309.2	309.2	310.2	308.2	307.1	306.1
62.5°	275.5	276.5	279.6	280.6	281.6	279.6	277.6	278.6	278.6	275.5	276.5
65°	245.9	248.0	252.0	251.0	249.0	250.0	248.0	249.0	245.9	246.9	243.9
67.5°	217.3	216.3	217.3	217.3	219.4	218.4	216.3	216.3	215.3	218.4	215.3
70°	186.7	186.7	186.7	186.7	187.8	188.8	186.7	184.7	185.7	183.7	182.7
72.5°	155.1	156.1	155.1	157.1	154.1	156.1	156.1	155.1	154.1	154.1	154.1
75°	125.5	127.6	124.5	125.5	124.5	126.5	125.5	125.5	123.5	122.4	123.5
77.5°	95.9	96.9	94.9	95.9	94.9	95.9	95.9	94.9	94.9	94.9	94.9
80°	68.4	69.4	68.4	67.3	66.3	68.4	66.3	67.3	68.4	67.3	69.4
82.5°	43.9	43.9	42.9	43.9	41.8	41.8	42.9	42.9	41.8	43.9	41.8
85°	21.4	21.4	23.5	21.4	20.4	20.4	20.4	21.4	20.4	22.4	21.4
87.5°	5.1	4.1	5.1	5.1	4.1	4.1	5.1	4.1	5.1	6.1	4.1
90°	17.7	17.9	18.2	18.5	18.8	19.1	18.8	18.5	18.2	17.9	17.7
92.5°	18.4	18.5	18.6	18.8	18.9	19.1	18.9	18.8	18.6	18.5	18.4
95°	31.1	31.0	30.9	30.7	30.6	30.4	30.6	30.7	30.9	31.0	31.1
97.5°	38.2	38.3	38.4	38.6	38.7	38.9	38.7	38.6	38.4	38.3	38.2
100°	46.0	46.2	46.5	46.8	47.1	47.4	47.1	46.8	46.5	46.2	46.0
102.5°	49.6	49.8	50.3	50.8	51.2	51.7	51.2	50.8	50.3	49.8	49.6
105°	51.0	51.3	51.9	52.6	53.2	53.8	53.2	52.6	51.9	51.3	51.0
107.5°	52.4	52.7	53.3	54.0	54.6	55.2	54.6	54.0	53.3	52.7	52.4
110°	53.1	53.4	54.0	54.7	55.3	55.9	55.3	54.7	54.0	53.4	53.1

TEST NUMBER: P1029693

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	54.5	54.7	55.2	55.7	56.1	56.6	56.1	55.7	55.2	54.7	54.5
115°	109.0	103.3	92.0	80.7	69.4	58.1	69.4	80.7	92.0	103.3	109.0
117.5°	373.8	353.2	312.0	270.7	229.5	188.3	229.5	270.7	312.0	353.2	373.8
120°	527.4	516.8	495.5	474.3	453.0	431.8	453.0	474.3	495.5	516.8	527.4
122.5°	564.9	565.0	565.2	565.3	565.5	565.7	565.5	565.3	565.2	565.0	564.9
125°	603.2	603.4	603.9	604.4	604.8	605.3	604.8	604.4	603.9	603.4	603.2
127.5°	640.0	640.1	640.2	640.4	640.5	640.7	640.5	640.4	640.2	640.1	640.0
130°	674.0	673.9	673.8	673.6	673.5	673.3	673.5	673.6	673.8	673.9	674.0
132.5°	705.8	705.7	705.6	705.4	705.3	705.1	705.3	705.4	705.6	705.7	705.8
135°	737.0	736.8	736.5	736.2	735.9	735.6	735.9	736.2	736.5	736.8	737.0
137.5°	766.0	765.8	765.3	764.8	764.4	763.9	764.4	764.8	765.3	765.8	766.0
140°	793.6	793.2	792.4	791.7	790.9	790.1	790.9	791.7	792.4	793.2	793.6
142.5°	819.1	818.7	817.9	817.2	816.4	815.6	816.4	817.2	817.9	818.7	819.1
145°	842.5	842.1	841.3	840.5	839.7	838.9	839.7	840.5	841.3	842.1	842.5
147.5°	863.0	862.7	862.1	861.4	860.8	860.2	860.8	861.4	862.1	862.7	863.0
150°	882.8	882.4	881.6	880.9	880.1	879.3	880.1	880.9	881.6	882.4	882.8
152.5°	900.5	900.0	898.9	897.8	896.7	895.6	896.7	897.8	898.9	900.0	900.5
155°	916.1	915.5	914.2	912.9	911.7	910.4	911.7	912.9	914.2	915.5	916.1
157.5°	930.2	929.6	928.3	927.1	925.8	924.6	925.8	927.1	928.3	929.6	930.2
160°	941.6	941.0	939.9	938.8	937.7	936.6	937.7	938.8	939.9	941.0	941.6
162.5°	952.9	952.2	950.8	949.3	947.9	946.5	947.9	949.3	950.8	952.2	952.9
165°	961.4	960.8	959.7	958.6	957.5	956.4	957.5	958.6	959.7	960.8	961.4
167.5°	969.2	968.5	967.1	965.6	964.2	962.8	964.2	965.6	967.1	968.5	969.2
170°	974.8	974.1	972.7	971.3	969.9	968.5	969.9	971.3	972.7	974.1	974.8
172.5°	979.1	978.4	977.0	975.5	974.1	972.7	974.1	975.5	977.0	978.4	979.1
175°	981.9	981.1	979.5	978.0	976.4	974.8	976.4	978.0	979.5	981.1	981.9
177.5°	982.6	981.9	980.5	979.1	977.7	976.3	977.7	979.1	980.5	981.9	982.6
180°	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4

TEST NUMBER: P1029693

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6
2.5°	1260.2	1268.4	1265.3	1254.1	1267.4	1267.4	1276.5	1276.5	1287.8	1291.8	1298.0
5°	1188.8	1194.9	1200.0	1194.9	1204.1	1218.4	1226.5	1233.7	1249.0	1255.1	1264.3
7.5°	1112.3	1123.5	1128.6	1128.6	1143.9	1160.2	1176.5	1186.7	1208.2	1216.3	1225.5
10°	1037.8	1051.0	1061.2	1060.2	1085.7	1095.9	1116.3	1139.8	1161.2	1173.5	1186.7
12.5°	959.2	966.3	980.6	1001.0	1007.1	1025.5	1049.0	1078.6	1117.4	1128.6	1148.0
15°	893.9	913.3	924.5	933.7	948.0	965.3	990.8	1019.4	1058.2	1082.7	1103.1
17.5°	838.8	864.3	871.4	869.4	887.8	914.3	943.9	965.3	1000.0	1029.6	1049.0
20°	793.9	804.1	816.3	821.4	835.7	864.3	892.9	917.4	945.9	969.4	991.8
22.5°	749.0	757.1	767.4	776.5	787.8	804.1	831.6	862.3	889.8	912.3	937.8
25°	712.2	717.4	726.5	733.7	745.9	757.1	776.5	810.2	842.9	856.1	878.6
27.5°	676.5	680.6	686.7	694.9	701.0	712.2	729.6	757.1	790.8	804.1	834.7
30°	644.9	648.0	654.1	658.2	661.2	674.5	687.8	709.2	734.7	753.1	775.5
32.5°	615.3	618.4	624.5	625.5	629.6	636.7	649.0	668.4	690.8	706.1	725.5
35°	582.7	584.7	590.8	592.9	595.9	602.0	611.2	625.5	645.9	657.1	674.5
37.5°	557.1	556.1	560.2	563.3	567.4	570.4	573.5	587.8	603.1	613.3	626.5
40°	529.6	527.6	528.6	532.7	534.7	538.8	538.8	553.1	563.3	571.4	581.6
42.5°	502.0	501.0	499.0	501.0	503.1	504.1	505.1	515.3	525.5	532.7	543.9
45°	474.5	473.5	471.4	472.5	472.5	474.5	477.6	481.6	488.8	494.9	501.0
47.5°	449.0	446.9	443.9	442.9	444.9	444.9	444.9	449.0	456.1	458.2	464.3
50°	422.5	419.4	415.3	413.3	413.3	412.2	414.3	415.3	421.4	423.5	428.6
52.5°	393.9	391.8	387.8	383.7	384.7	382.7	383.7	384.7	386.7	389.8	392.9
55°	365.3	361.2	358.2	357.1	354.1	354.1	351.0	355.1	354.1	355.1	359.2
57.5°	337.8	333.7	328.6	326.5	323.5	322.5	320.4	319.4	320.4	323.5	326.5
60°	305.1	303.1	300.0	296.9	294.9	291.8	289.8	289.8	288.8	288.8	289.8
62.5°	273.5	272.5	268.4	267.3	265.3	263.3	260.2	258.2	258.2	260.2	261.2
65°	242.9	241.8	238.8	237.8	232.7	230.6	229.6	228.6	226.5	226.5	226.5
67.5°	214.3	211.2	211.2	206.1	202.0	200.0	198.0	196.9	196.9	196.9	198.0
70°	182.7	182.7	179.6	176.5	172.5	173.5	170.4	167.3	167.3	165.3	166.3
72.5°	152.0	151.0	148.0	146.9	143.9	140.8	138.8	140.8	137.8	136.7	137.8
75°	122.4	121.4	119.4	117.3	118.4	115.3	112.2	111.2	111.2	109.2	109.2
77.5°	93.9	95.9	91.8	90.8	88.8	86.7	85.7	84.7	84.7	84.7	86.7
80°	65.3	66.3	66.3	64.3	65.3	62.2	62.2	62.2	59.2	60.2	61.2
82.5°	41.8	41.8	40.8	41.8	40.8	40.8	39.8	39.8	38.8	38.8	39.8
85°	23.5	22.4	21.4	23.5	22.4	22.4	21.4	21.4	21.4	21.4	21.4
87.5°	5.1	6.1	6.1	6.1	6.1	7.1	7.1	7.1	8.2	8.2	8.2
90°	17.3	16.5	15.8	15.0	14.2	12.9	11.7	10.4	9.1	8.5	7.6
92.5°	18.2	17.9	17.6	17.3	17.0	16.5	16.1	15.6	15.1	14.9	15.2
95°	30.7	29.9	29.2	28.4	27.6	26.5	25.4	24.3	23.2	22.7	25.3
97.5°	38.0	37.5	37.0	36.6	36.1	33.6	31.1	28.6	26.1	24.8	31.2
100°	45.4	44.1	42.9	41.6	40.4	37.7	35.0	32.3	29.6	28.3	39.1
102.5°	48.7	47.0	45.3	43.5	41.8	70.4	99.0	127.7	156.3	170.6	170.8
105°	50.1	48.4	46.7	44.9	43.2	86.2	129.1	172.1	215.0	236.5	234.1
107.5°	51.5	49.8	48.1	46.3	44.6	97.6	150.6	203.7	256.7	283.2	281.2
110°	61.0	76.7	92.4	108.2	123.9	169.4	214.8	260.3	305.8	328.5	326.8

TEST NUMBER: P1029693

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	88.4	156.2	224.0	291.8	359.6	362.3	365.0	367.7	370.4	371.7	370.3
115°	145.4	218.3	291.1	364.0	436.8	432.9	428.9	425.0	421.1	419.1	417.8
117.5°	385.0	407.5	430.0	452.5	475.0	472.3	469.7	467.0	464.3	463.0	461.4
120°	526.5	524.6	522.7	520.8	518.9	516.1	513.3	510.4	507.6	506.2	505.0
122.5°	564.4	563.5	562.6	561.6	560.7	557.5	554.4	551.2	548.1	546.5	545.2
125°	602.6	601.5	600.4	599.3	598.2	595.2	592.2	589.3	586.3	584.8	583.8
127.5°	639.2	637.6	636.1	634.5	632.9	630.5	628.2	625.8	623.5	622.3	621.2
130°	673.1	671.4	669.7	667.9	666.2	664.5	662.7	661.0	659.3	658.4	657.1
132.5°	705.1	703.7	702.3	700.9	699.5	697.8	696.0	694.3	692.6	691.7	690.7
135°	736.2	734.6	733.1	731.5	729.9	728.5	727.1	725.6	724.2	723.5	722.2
137.5°	765.2	763.6	762.1	760.5	758.9	757.3	755.7	754.2	752.6	751.8	750.9
140°	792.9	791.5	790.0	788.6	787.2	785.5	783.8	782.1	780.4	779.5	778.9
142.5°	818.5	817.2	815.9	814.7	813.4	811.4	809.3	807.3	805.2	804.2	803.7
145°	841.9	840.8	839.7	838.6	837.5	834.8	832.2	829.5	826.8	825.5	825.6
147.5°	862.6	861.8	861.0	860.2	859.4	856.7	854.1	851.4	848.7	847.4	847.6
150°	882.3	881.4	880.5	879.5	878.6	876.1	873.5	871.0	868.5	867.2	867.8
152.5°	900.0	899.1	898.2	897.2	896.3	893.9	891.5	889.2	886.8	885.6	886.2
155°	915.6	914.7	913.7	912.8	911.8	909.9	908.0	906.1	904.2	903.3	904.0
157.5°	929.7	928.6	927.5	926.4	925.3	923.9	922.5	921.0	919.6	918.9	919.5
160°	941.1	940.2	939.2	938.3	937.3	936.4	935.4	934.5	933.6	933.1	933.6
162.5°	952.3	951.2	950.1	949.0	947.9	947.1	946.3	945.6	944.8	944.4	944.9
165°	960.8	959.7	958.6	957.5	956.4	955.9	955.5	955.0	954.5	954.3	954.8
167.5°	968.6	967.5	966.4	965.3	964.2	963.7	963.3	962.8	962.3	962.1	962.6
170°	974.3	973.2	972.1	971.0	969.9	969.6	969.3	969.0	968.7	968.5	969.0
172.5°	978.5	977.4	976.3	975.2	974.1	973.8	973.5	973.2	972.9	972.7	973.2
175°	981.4	980.3	979.2	978.1	977.0	976.7	976.4	976.1	975.8	975.6	976.1
177.5°	982.1	981.0	979.9	978.8	977.7	977.5	977.4	977.2	977.1	977.0	977.5
180°	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4

TEST NUMBER: P1029693

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1327.6	1327.6	1327.6	1327.6
2.5°	1303.1	1303.1	1318.4	1334.7
5°	1274.5	1281.6	1306.1	1328.6
7.5°	1246.9	1259.2	1289.8	1318.4
10°	1213.3	1229.6	1267.4	1301.0
12.5°	1180.6	1195.9	1239.8	1277.6
15°	1134.7	1154.1	1201.0	1248.0
17.5°	1088.8	1108.2	1165.3	1220.4
20°	1034.7	1060.2	1124.5	1198.0
22.5°	984.7	1016.3	1087.8	1146.9
25°	929.6	978.6	1044.9	1121.4
27.5°	880.6	929.6	996.9	1074.5
30°	825.5	875.5	944.9	1016.3
32.5°	772.5	818.4	885.7	973.5
35°	717.4	761.2	826.5	915.3
37.5°	667.4	710.2	781.6	863.3
40°	618.4	663.3	724.5	806.1
42.5°	572.5	612.2	667.4	749.0
45°	530.6	559.2	610.2	686.7
47.5°	486.7	512.2	559.2	635.7
50°	445.9	467.3	508.2	579.6
52.5°	406.1	424.5	462.2	519.4
55°	370.4	387.8	415.3	471.4
57.5°	333.7	346.9	373.5	418.4
60°	298.0	310.2	331.6	368.4
62.5°	262.2	272.5	292.9	322.5
65°	230.6	238.8	254.1	279.6
67.5°	200.0	205.1	217.3	237.8
70°	170.4	174.5	184.7	201.0
72.5°	138.8	142.9	154.1	165.3
75°	112.2	113.3	121.4	130.6
77.5°	87.8	86.7	92.9	100.0
80°	60.2	63.3	68.4	71.4
82.5°	40.8	41.8	43.9	45.9
85°	22.4	23.5	23.5	26.5
87.5°	9.2	10.2	10.2	11.2
90°	5.9	4.2	2.4	0.7
92.5°	15.8	16.5	17.1	17.7
95°	30.5	35.6	40.8	46.0
97.5°	44.1	57.0	69.9	82.8
100°	60.6	82.2	103.7	125.3
102.5°	171.1	171.4	171.7	172.0
105°	229.4	224.7	219.9	215.2
107.5°	277.3	273.4	269.4	265.5
110°	323.5	320.2	316.9	313.6



TEST NUMBER: P1029693

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	367.4	364.6	361.7	358.9
115°	415.1	412.4	409.8	407.1
117.5°	458.3	455.1	452.0	448.8
120°	502.7	500.3	498.0	495.6
122.5°	542.7	540.2	537.7	535.2
125°	581.7	579.7	577.6	575.6
127.5°	619.0	616.8	614.6	612.4
130°	654.6	652.1	649.6	647.1
132.5°	688.6	686.6	684.5	682.5
135°	719.7	717.2	714.7	712.2
137.5°	749.0	747.1	745.2	743.3
140°	777.6	776.3	775.1	773.8
142.5°	802.6	801.5	800.4	799.3
145°	825.7	825.9	826.0	826.2
147.5°	848.1	848.6	849.0	849.5
150°	868.9	870.0	871.1	872.2
152.5°	887.5	888.8	890.0	891.3
155°	905.4	906.9	908.3	909.7
157.5°	920.8	922.1	923.3	924.6
160°	934.5	935.4	936.4	937.3
162.5°	945.8	946.8	947.7	948.7
165°	955.7	956.7	957.6	958.6
167.5°	963.5	964.4	965.4	966.3
170°	969.9	970.8	971.8	972.7
172.5°	974.1	975.1	976.0	977.0
175°	977.2	978.3	979.4	980.5
177.5°	978.6	979.7	980.8	981.9
180°	978.4	978.4	978.4	978.4

(END OF REPORT)