

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: P331543-930

Luminaire Tested: **S122DIW-S675D1240U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331543-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIW-S675D1240U930-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1240 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6431.7 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

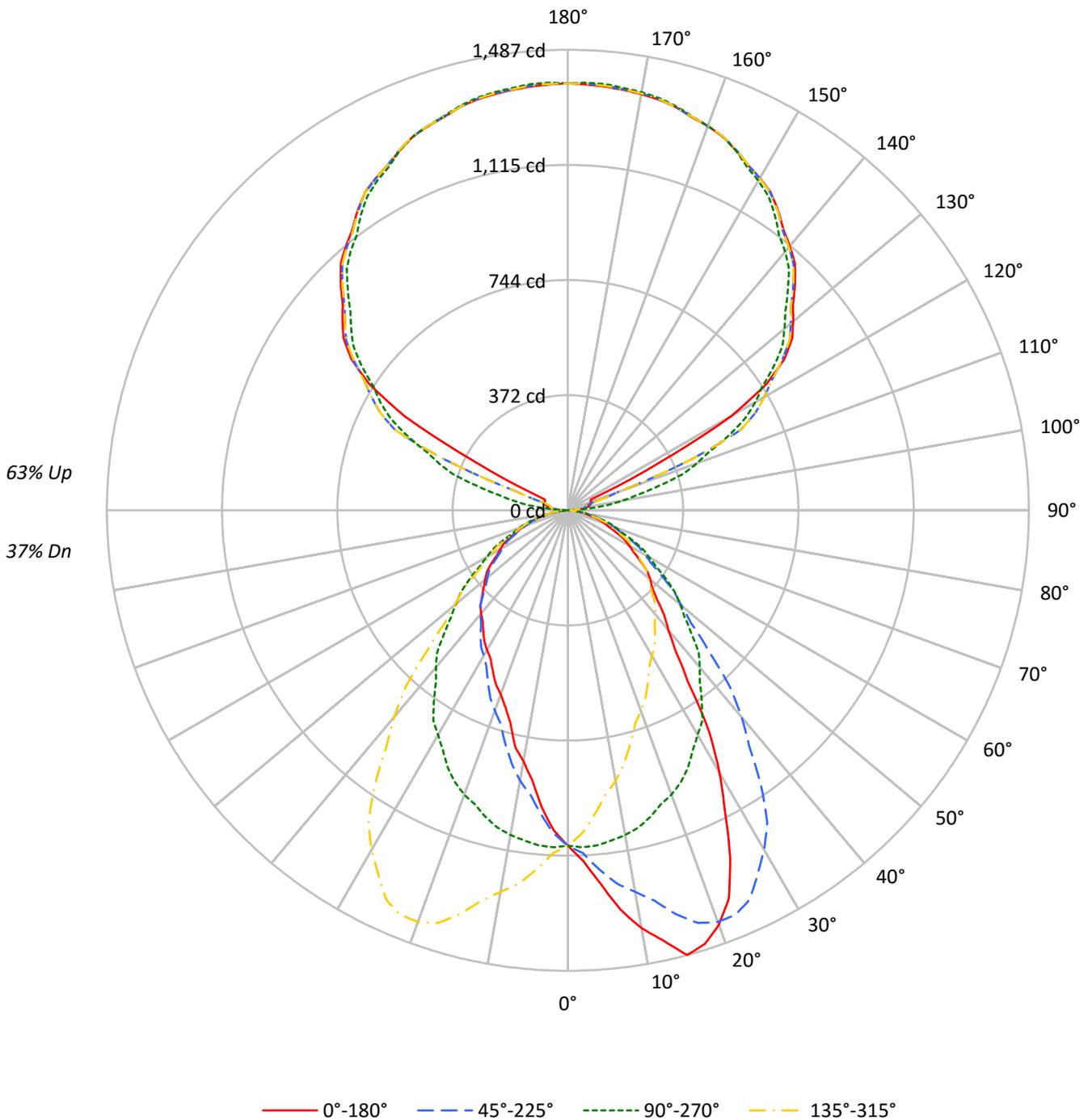
Input Watts (W): 61.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331543-930

CATALOG NUMBER: S122DIW-S675D1240U930-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P331543-930

CATALOG NUMBER: S122DIW-S675D1240U930-4F0-1E-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	50	30	10	0		
RCR																										
0	104	104	104	104	94	94	94	94	76	76	76	60	60	60	44	44	44	37								
1	95	91	87	84	86	83	80	77	67	65	63	53	52	50	40	39	38	32								
2	87	80	74	69	79	73	68	64	59	56	53	47	45	42	35	34	33	27								
3	80	71	64	58	72	64	58	54	53	48	45	42	39	36	32	30	28	24								
4	73	63	55	49	66	57	51	46	47	42	38	37	34	31	29	26	25	21								
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	24	22	18								
6	62	50	42	37	56	46	39	34	38	33	29	31	27	24	24	21	19	16								
7	57	45	38	32	52	42	35	30	35	29	26	28	24	21	22	19	17	14								
8	53	41	34	29	48	38	31	27	31	26	23	26	22	19	20	17	15	13								
9	49	38	30	26	45	35	28	24	29	24	21	24	20	17	18	16	14	12								
10	46	34	28	23	42	32	26	21	27	22	19	22	18	16	17	15	13	11								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17486	17486	17486	17486
5°	19603	17598	15595	17598
10°	22463	17454	13496	17454
15°	24849	17135	11925	17135
20°	24471	16790	10869	16790
25°	22066	16335	10203	16335
30°	18233	15605	9715	15605
35°	13291	14840	9368	14840
40°	10614	13940	9177	13940
45°	9275	12896	8914	12896
50°	8719	11886	8741	11886
55°	8037	10860	8504	10860
60°	7363	9771	8147	9771
65°	6709	8795	7790	8795
70°	6090	7841	7270	7841
75°	5402	6775	6438	6775
80°	4649	5607	5188	5607
85°	4168	4168	3075	4168



TEST NUMBER: P331543-930

CATALOG NUMBER: S122DIW-S675D1240U930-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	1.6
10°-20°	299.8	4.7
20°-30°	435.1	6.8
30°-40°	459.2	7.1
40°-50°	406.6	6.3
50°-60°	324.5	5.0
60°-70°	220.5	3.4
70°-80°	113.1	1.8
80°-90°	30.7	0.5
90°-100°	46.0	0.7
100°-110°	168.6	2.6
110°-120°	450.7	7.0
120°-130°	744.0	11.6
130°-140°	791.2	12.3
140°-150°	735.4	11.4
150°-160°	591.2	9.2
160°-170°	381.0	5.9
170°-180°	131.1	2.0
0°-30°	838.1	13.0
0°-40°	1297.3	20.2
0°-60°	2028.3	31.5
0°-90°	2392.6	37.2
90°-120°	665.3	10.3
90°-150°	2935.8	45.6
90°-180°	4039.0	62.8
0°-180°	6431.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1083	1083	1083	1083	1083	
5°	1210	1086	962	1086	1210	121
15°	1487	1025	713	1025	1487	410
25°	1239	917	573	917	1239	560
35°	674	753	475	753	674	439
45°	406	565	390	565	406	319
55°	286	386	302	386	286	256
65°	176	230	204	230	176	175
75°	87	109	103	109	87	93
85°	22	22	17	22	22	25
90°	27	1	27	1	27	13
95°	43	65	43	65	43	40
105°	76	303	76	303	76	79
115°	82	574	82	574	82	205
125°	853	811	853	811	853	738
135°	1036	1003	1036	1003	1036	799
145°	1182	1164	1182	1164	1182	739
155°	1282	1282	1282	1282	1282	592
165°	1347	1350	1347	1350	1347	380
175°	1373	1381	1373	1381	1373	131
180°	1378	1378	1378	1378	1378	



TEST NUMBER: P331543-930

CATALOG NUMBER: S122DIW-S675D1240U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1132.9	1133.2	1133.9	1128.5	1127.9	1127.9	1123.2	1119.2	1114.6	1108.2	1108.9
5°	1209.5	1214.1	1215.7	1210.7	1203.2	1202.4	1195.3	1183.7	1172.8	1164.1	1157.9
7.5°	1300.9	1302.7	1298.6	1292.0	1286.5	1276.5	1263.3	1250.4	1232.3	1215.8	1203.5
10°	1370.1	1372.6	1365.5	1356.0	1348.1	1336.4	1317.3	1297.7	1274.0	1251.1	1232.7
12.5°	1422.7	1428.9	1419.8	1418.5	1405.0	1389.0	1366.2	1356.3	1322.9	1291.0	1271.4
15°	1486.6	1486.2	1487.1	1479.2	1469.2	1466.6	1442.5	1416.3	1369.3	1350.5	1318.1
17.5°	1468.2	1474.5	1477.4	1477.3	1477.1	1475.5	1467.8	1451.2	1427.7	1397.3	1359.8
20°	1424.2	1432.6	1433.8	1443.4	1448.8	1455.9	1458.7	1454.2	1439.7	1414.2	1381.8
22.5°	1356.3	1358.6	1362.5	1377.4	1389.2	1406.9	1416.2	1431.6	1426.0	1413.6	1386.4
25°	1238.6	1234.4	1249.0	1256.5	1283.5	1311.8	1332.3	1354.7	1374.7	1386.7	1378.8
27.5°	1097.2	1091.0	1112.8	1132.7	1154.7	1185.4	1217.2	1254.7	1285.9	1324.9	1338.3
30°	978.0	981.8	1002.7	1023.9	1057.1	1100.4	1136.2	1177.5	1222.0	1265.7	1296.0
32.5°	849.5	864.0	877.1	909.6	938.9	987.2	1039.7	1091.2	1146.7	1196.4	1243.4
35°	674.3	690.9	709.2	733.0	774.1	822.0	873.2	942.6	1018.5	1086.3	1142.1
37.5°	567.5	564.8	575.4	592.5	625.9	664.5	723.4	792.1	881.3	961.0	1039.7
40°	503.6	501.9	509.4	525.2	550.7	578.9	630.6	690.9	773.7	871.1	964.7
42.5°	459.7	460.6	464.8	476.0	493.3	516.7	555.3	606.7	682.5	774.2	874.8
45°	406.2	409.1	413.7	419.1	429.1	448.3	469.9	506.5	566.5	643.0	742.1
47.5°	367.8	367.9	372.5	377.2	383.2	394.0	411.6	434.6	476.9	539.2	624.4
50°	347.1	344.2	347.6	351.2	357.5	365.0	376.7	398.3	426.6	477.0	548.1
52.5°	321.8	321.9	324.9	326.3	331.9	339.3	350.0	365.0	390.6	430.0	488.5
55°	285.5	287.6	289.3	291.7	296.8	302.1	310.5	320.5	340.5	370.0	413.3
57.5°	251.4	252.0	253.7	258.4	261.6	266.6	274.5	283.6	296.6	318.5	351.0
60°	228.0	228.0	231.4	233.5	237.7	242.6	248.9	257.6	269.3	287.1	313.4
62.5°	206.8	206.4	207.7	211.2	214.3	219.0	225.3	232.7	243.6	259.5	281.1
65°	175.6	174.8	177.3	178.1	181.5	186.1	191.0	198.9	207.7	219.3	238.5
67.5°	145.7	146.7	148.0	149.6	151.4	156.2	159.6	165.2	172.5	182.2	195.2
70°	129.0	129.0	129.0	130.3	132.7	135.3	138.6	143.2	150.3	158.6	170.2
72.5°	110.4	111.7	113.0	112.3	115.4	116.9	120.9	123.5	130.3	135.6	145.9
75°	86.6	86.6	86.6	88.6	89.9	91.2	93.7	96.1	99.5	106.2	111.5
77.5°	64.6	64.4	64.8	65.3	66.7	68.2	68.9	71.2	74.3	77.3	81.9
80°	50.0	50.8	51.2	52.0	52.0	52.8	53.2	56.2	58.3	60.3	63.3
82.5°	38.6	38.8	38.9	39.1	39.4	39.9	40.9	41.9	42.6	44.4	46.6
85°	22.5	22.1	22.1	22.9	22.5	22.5	23.3	24.1	24.1	24.5	25.8
87.5°	14.0	13.9	14.2	13.8	13.7	13.9	13.6	13.1	13.2	13.3	13.3
90°	26.9	26.5	26.0	25.6	25.2	24.4	23.2	22.2	21.0	20.0	18.2
92.5°	26.9	26.7	26.4	26.1	25.8	25.4	24.9	24.3	23.7	23.2	22.3
95°	42.9	43.1	43.3	43.5	43.8	43.3	42.2	41.1	40.0	38.9	37.3
97.5°	57.2	57.0	56.7	56.4	56.2	55.6	54.7	53.8	52.9	52.1	48.5
100°	66.9	66.4	66.0	65.5	65.1	63.9	62.1	60.4	58.6	56.8	53.1
102.5°	71.6	71.0	70.4	69.7	69.1	67.7	65.4	63.0	60.7	58.5	89.9
105°	75.8	74.9	74.0	73.1	72.2	70.6	68.2	65.7	63.3	60.8	121.3
107.5°	78.0	77.1	76.2	75.3	74.4	75.3	77.7	80.2	82.7	85.2	157.8
110°	78.8	77.9	77.0	76.1	75.3	85.9	108.0	130.2	152.4	174.6	238.6



TEST NUMBER: P331543-930

CATALOG NUMBER: S122DIW-S675D1240U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	79.6	78.8	78.2	77.5	76.7	116.8	197.7	278.5	359.4	440.2	456.1
115°	81.8	97.8	113.7	129.6	145.6	204.9	307.5	410.1	512.7	615.4	609.8
117.5°	333.9	386.4	438.8	491.2	543.6	582.3	607.1	631.9	656.7	681.6	677.8
120°	608.4	638.3	668.2	698.1	728.1	741.7	739.0	736.4	733.7	731.0	727.1
122.5°	759.1	765.0	770.8	776.6	782.4	784.5	782.9	781.3	779.7	778.1	773.8
125°	852.7	852.1	851.4	850.7	850.0	849.0	847.4	845.9	844.3	842.8	838.5
127.5°	911.7	911.6	911.5	911.3	911.3	910.0	907.8	905.5	903.3	901.0	897.8
130°	948.4	948.7	948.9	949.1	949.3	948.2	945.8	943.4	940.9	938.5	936.0
132.5°	984.4	984.6	984.8	985.0	985.2	984.3	982.2	980.2	978.0	976.0	973.5
135°	1036.2	1036.7	1037.1	1037.5	1038.0	1037.1	1034.9	1032.7	1030.5	1028.3	1026.2
137.5°	1083.5	1084.3	1085.0	1085.7	1086.5	1085.8	1083.6	1081.4	1079.3	1077.1	1074.8
140°	1113.0	1114.1	1115.2	1116.3	1117.4	1117.0	1115.0	1113.0	1111.0	1109.1	1106.6
142.5°	1141.7	1142.8	1143.9	1145.1	1146.1	1145.8	1144.0	1142.2	1140.4	1138.6	1135.7
145°	1181.9	1182.9	1184.1	1185.1	1186.3	1186.0	1184.5	1182.9	1181.4	1179.8	1176.1
147.5°	1217.2	1218.1	1219.0	1219.9	1220.8	1220.7	1219.6	1218.5	1217.3	1216.1	1212.4
150°	1238.7	1239.7	1240.9	1242.0	1243.1	1243.0	1241.7	1240.3	1239.0	1237.7	1234.1
152.5°	1257.0	1258.5	1260.0	1261.4	1262.9	1263.0	1261.6	1260.3	1259.0	1257.6	1254.3
155°	1282.5	1284.3	1286.1	1287.8	1289.6	1289.9	1288.6	1287.2	1285.9	1284.6	1281.9
157.5°	1305.9	1307.7	1309.4	1311.1	1312.8	1313.0	1311.4	1309.9	1308.4	1306.9	1305.0
160°	1319.5	1321.0	1322.6	1324.1	1325.7	1325.8	1324.5	1323.1	1321.8	1320.5	1319.2
162.5°	1330.6	1332.5	1334.4	1336.4	1338.2	1338.5	1336.9	1335.5	1333.9	1332.4	1331.3
165°	1347.4	1348.9	1350.5	1352.0	1353.6	1353.6	1352.0	1350.5	1348.9	1347.4	1346.7
167.5°	1358.0	1359.9	1362.0	1363.9	1366.0	1366.1	1364.6	1363.0	1361.5	1359.9	1359.3
170°	1364.3	1366.4	1368.3	1370.4	1372.3	1372.6	1371.0	1369.5	1367.9	1366.4	1365.9
172.5°	1369.1	1371.1	1373.1	1375.1	1377.1	1377.3	1375.7	1374.2	1372.6	1371.1	1370.7
175°	1373.3	1375.5	1377.8	1380.0	1382.2	1382.5	1381.0	1379.4	1377.9	1376.3	1375.9
177.5°	1375.9	1377.5	1379.1	1380.7	1382.3	1382.5	1381.2	1380.0	1378.8	1377.5	1377.3
180°	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3



TEST NUMBER: P331543-930

CATALOG NUMBER: S122DIW-S675D1240U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1111.3	1108.6	1106.9	1100.9	1095.6	1090.3	1088.6	1089.2	1082.0	1075.0	1072.0
5°	1154.5	1146.2	1138.3	1127.1	1113.8	1099.2	1091.7	1085.8	1071.3	1055.5	1046.4
7.5°	1193.4	1181.5	1166.2	1145.0	1125.7	1102.8	1088.2	1075.3	1053.9	1031.7	1018.0
10°	1217.0	1200.7	1181.1	1155.4	1131.6	1103.8	1084.2	1064.6	1039.7	1013.0	996.4
12.5°	1237.3	1215.4	1196.1	1163.0	1135.0	1100.1	1076.8	1049.3	1023.0	991.4	975.1
15°	1285.6	1245.3	1208.6	1171.2	1136.6	1087.9	1062.2	1025.1	990.5	951.5	932.7
17.5°	1323.0	1277.7	1219.9	1172.3	1132.0	1078.2	1040.2	995.9	955.0	910.3	884.8
20°	1344.3	1292.2	1230.3	1173.7	1125.4	1063.8	1022.6	977.2	929.4	879.0	851.5
22.5°	1357.0	1302.3	1241.0	1168.7	1112.1	1052.1	1000.3	950.6	902.0	847.7	818.9
25°	1361.0	1311.0	1246.1	1164.5	1095.4	1027.6	965.2	916.9	858.2	807.4	765.4
27.5°	1341.2	1305.4	1242.9	1156.7	1076.2	996.9	927.3	872.6	810.7	755.5	713.3
30°	1316.9	1296.0	1235.3	1148.7	1060.9	975.6	898.9	837.0	775.3	719.6	676.3
32.5°	1279.2	1274.7	1221.3	1137.3	1044.6	948.6	869.4	806.7	738.4	683.6	642.4
35°	1205.3	1225.3	1191.6	1112.1	1013.8	910.2	824.5	752.9	682.2	629.7	591.0
37.5°	1106.3	1155.8	1147.0	1075.1	972.4	868.5	773.8	699.0	631.5	578.6	540.6
40°	1038.0	1101.2	1110.4	1046.8	943.1	836.2	735.8	661.4	595.6	547.3	509.0
42.5°	964.7	1038.7	1063.8	1012.8	911.1	802.2	701.9	624.7	559.6	512.7	478.7
45°	842.0	939.8	985.1	956.0	857.8	746.2	643.0	564.8	505.6	461.5	435.4
47.5°	727.2	834.1	895.0	884.8	798.4	687.9	586.0	510.9	453.3	418.1	394.6
50°	646.0	755.8	829.5	832.8	755.8	646.4	544.0	473.2	420.4	387.5	368.4
52.5°	575.4	680.2	760.6	778.2	708.2	603.1	506.4	435.9	389.4	359.1	342.0
55°	483.2	571.9	660.9	693.4	637.2	537.3	447.8	385.8	342.1	321.3	306.3
57.5°	401.7	475.6	557.9	593.8	559.1	473.6	389.7	335.9	300.4	282.2	270.7
60°	358.7	417.0	490.2	533.1	503.2	427.1	353.8	302.6	273.5	257.2	246.4
62.5°	318.8	370.4	432.4	471.6	455.3	383.4	317.8	272.6	247.4	232.2	224.5
65°	263.0	303.9	351.7	387.9	377.1	322.5	268.9	230.2	210.2	198.1	191.8
67.5°	216.6	246.1	279.2	311.0	302.2	263.6	220.5	190.4	175.5	165.1	161.3
70°	187.3	209.8	239.3	264.7	257.6	226.0	191.8	166.1	153.2	144.4	140.6
72.5°	159.3	177.8	200.3	221.1	216.3	190.0	161.6	142.1	132.2	124.1	121.0
75°	120.3	134.4	148.1	161.9	160.6	140.2	123.6	108.6	100.7	94.5	93.2
77.5°	88.8	96.7	106.1	114.2	111.9	100.3	87.2	78.7	72.8	68.6	68.0
80°	67.8	72.4	79.1	84.9	82.0	77.0	66.6	60.3	56.2	52.0	50.4
82.5°	49.2	53.8	57.8	60.9	58.7	54.1	47.6	43.4	40.8	38.1	37.3
85°	25.8	28.3	30.0	30.8	30.0	27.1	24.1	22.5	20.4	19.2	18.8
87.5°	13.3	12.9	12.6	12.8	11.3	10.8	9.0	7.5	7.7	7.8	7.7
90°	16.4	14.6	12.9	10.8	8.3	5.9	3.4	1.0	3.4	5.9	8.3
92.5°	21.4	20.5	19.6	19.2	19.5	19.7	19.9	20.1	19.9	19.7	19.5
95°	35.8	34.2	32.7	35.5	42.9	50.2	57.5	64.8	57.5	50.2	42.9
97.5°	44.8	41.3	37.7	46.2	66.9	87.4	108.0	128.7	108.0	87.4	66.9
100°	49.3	45.6	41.7	55.1	85.4	115.8	146.2	176.5	146.2	115.8	85.4
102.5°	121.5	153.0	184.5	203.5	209.9	216.3	222.7	229.2	222.7	216.3	209.9
105°	181.8	242.4	302.9	329.8	323.1	316.5	309.8	303.2	309.8	316.5	323.1
107.5°	230.3	302.9	375.4	409.0	403.7	398.3	392.9	387.6	392.9	398.3	403.7
110°	302.6	366.7	430.7	460.4	455.8	451.1	446.5	441.8	446.5	451.1	455.8



TEST NUMBER: P331543-930

CATALOG NUMBER: S122DIW-S675D1240U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	471.9	487.7	503.5	509.4	505.2	501.1	497.0	492.8	497.0	501.1	505.2
115°	604.3	598.8	593.2	588.6	584.7	581.0	577.2	573.5	577.2	581.0	584.7
117.5°	673.9	670.1	666.3	662.3	658.1	653.9	649.7	645.5	649.7	653.9	658.1
120°	723.1	719.1	715.1	711.4	708.1	704.7	701.5	698.1	701.5	704.7	708.1
122.5°	769.4	765.1	760.8	756.8	753.3	749.8	746.3	742.8	746.3	749.8	753.3
125°	834.3	830.1	825.9	822.3	819.5	816.6	813.7	810.8	813.7	816.6	819.5
127.5°	894.7	891.5	888.4	885.3	882.1	878.8	875.6	872.5	875.6	878.8	882.1
130°	933.6	931.2	928.7	925.8	922.2	918.7	915.1	911.6	915.1	918.7	922.2
132.5°	971.1	968.7	966.2	963.5	960.5	957.5	954.5	951.5	954.5	957.5	960.5
135°	1024.3	1022.2	1020.3	1017.5	1013.9	1010.4	1006.8	1003.3	1006.8	1010.4	1013.9
137.5°	1072.6	1070.3	1068.0	1065.7	1063.2	1060.7	1058.3	1055.7	1058.3	1060.7	1063.2
140°	1104.2	1101.7	1099.3	1097.1	1095.4	1093.6	1091.8	1090.1	1091.8	1093.6	1095.4
142.5°	1132.9	1130.2	1127.4	1125.2	1123.6	1122.0	1120.4	1118.8	1120.4	1122.0	1123.6
145°	1172.3	1168.6	1164.7	1163.0	1163.2	1163.4	1163.7	1163.8	1163.7	1163.4	1163.2
147.5°	1208.7	1204.9	1201.3	1199.8	1200.6	1201.5	1202.3	1203.1	1202.3	1201.5	1200.6
150°	1230.6	1227.0	1223.5	1222.5	1224.0	1225.6	1227.2	1228.7	1227.2	1225.6	1224.0
152.5°	1250.9	1247.5	1244.1	1243.3	1245.0	1246.8	1248.5	1250.3	1248.5	1246.8	1245.0
155°	1279.2	1276.6	1273.9	1273.6	1275.5	1277.6	1279.5	1281.6	1279.5	1277.6	1275.5
157.5°	1303.2	1301.3	1299.4	1299.3	1301.1	1302.7	1304.4	1306.1	1304.4	1302.7	1301.1
160°	1317.8	1316.5	1315.2	1315.2	1316.5	1317.8	1319.2	1320.5	1319.2	1317.8	1316.5
162.5°	1330.1	1328.9	1327.8	1327.9	1329.3	1330.6	1331.9	1333.3	1331.9	1330.6	1329.3
165°	1346.1	1345.4	1344.8	1345.1	1346.4	1347.7	1349.1	1350.4	1349.1	1347.7	1346.4
167.5°	1358.7	1358.1	1357.5	1357.8	1359.2	1360.5	1361.8	1363.2	1361.8	1360.5	1359.2
170°	1365.5	1365.0	1364.6	1365.0	1366.4	1367.7	1369.0	1370.4	1369.0	1367.7	1366.4
172.5°	1370.2	1369.8	1369.4	1369.8	1371.1	1372.5	1373.8	1375.1	1373.8	1372.5	1371.1
175°	1375.4	1375.0	1374.5	1375.1	1376.6	1378.2	1379.7	1381.3	1379.7	1378.2	1376.6
177.5°	1377.1	1377.0	1376.8	1377.3	1378.6	1379.8	1381.0	1382.3	1381.0	1379.8	1378.6
180°	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3



TEST NUMBER: P331543-930

CATALOG NUMBER: S122DIW-S675D1240U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1068.6	1066.7	1059.6	1056.0	1049.9	1044.3	1040.6	1042.4	1043.7	1043.0	1042.0
5°	1038.0	1030.0	1018.0	1007.6	1000.1	986.3	980.6	977.6	975.2	972.2	969.3
7.5°	1001.5	989.0	971.8	956.9	942.9	925.9	916.2	910.3	904.3	897.7	891.9
10°	975.6	958.1	939.8	918.9	902.3	886.9	873.2	864.1	855.7	847.8	842.0
12.5°	948.3	928.1	905.5	877.0	858.7	836.7	834.5	818.4	805.4	800.5	793.7
15°	904.8	876.5	847.8	814.1	799.5	779.5	767.0	754.6	743.3	735.4	733.4
17.5°	855.4	818.8	790.3	766.1	742.2	721.7	710.2	700.2	691.0	680.4	679.0
20°	817.8	786.2	755.0	733.8	709.2	688.4	674.3	664.2	656.3	650.1	644.7
22.5°	782.2	747.5	719.0	695.8	671.6	654.8	643.6	634.0	627.4	620.4	615.4
25°	725.0	698.0	666.8	640.5	620.5	609.8	600.5	592.2	588.1	583.5	577.7
27.5°	675.0	644.9	615.7	595.4	577.9	568.3	561.7	556.1	552.2	549.5	546.3
30°	639.7	609.3	586.4	566.5	551.9	542.3	538.2	534.8	530.3	528.6	526.9
32.5°	605.8	578.4	558.8	541.4	527.6	521.3	517.5	514.5	510.9	509.2	505.9
35°	557.7	534.8	515.7	506.1	494.9	489.4	486.6	482.3	479.1	477.4	477.0
37.5°	512.5	492.6	480.0	467.7	463.0	459.7	455.7	452.8	451.8	451.6	451.2
40°	483.2	467.0	455.8	445.7	443.7	438.6	435.4	432.8	432.8	433.3	432.8
42.5°	456.6	442.0	432.1	423.5	421.0	418.0	414.7	414.5	415.2	416.6	415.2
45°	416.2	405.8	398.7	394.5	390.0	387.0	386.6	387.9	388.3	388.7	390.0
47.5°	379.0	372.2	365.7	361.2	359.1	358.7	358.2	360.4	362.3	363.1	365.0
50°	357.1	349.2	343.8	340.9	339.2	338.3	339.2	341.7	343.3	345.4	346.7
52.5°	332.5	326.9	323.1	320.9	320.2	320.7	320.9	323.8	326.4	327.1	327.8
55°	298.4	294.2	293.4	289.7	291.3	290.9	293.0	294.6	297.2	299.6	300.1
57.5°	264.5	261.1	258.9	259.2	259.7	261.5	263.3	266.2	268.9	271.5	271.7
60°	241.8	240.1	238.9	238.9	239.7	242.2	244.3	247.2	248.9	250.5	251.8
62.5°	221.2	219.5	218.3	218.9	221.1	222.6	225.0	226.6	228.2	229.9	230.5
65°	188.5	187.7	189.0	189.8	190.2	192.2	195.2	196.4	198.1	198.9	201.9
67.5°	158.5	158.7	158.5	159.6	162.1	162.6	165.3	168.2	168.5	170.2	172.0
70°	138.2	139.0	139.8	140.6	142.8	143.6	145.7	146.9	148.5	149.9	151.1
72.5°	119.5	119.7	120.5	120.3	122.1	123.9	125.7	126.9	128.6	130.2	131.4
75°	92.0	92.0	92.8	93.2	95.3	97.4	96.9	97.8	99.5	101.1	102.0
77.5°	67.2	66.3	67.2	67.6	68.2	70.0	70.4	71.5	73.4	72.8	73.8
80°	51.2	50.0	51.2	51.6	51.6	53.7	53.7	54.5	55.8	54.5	55.8
82.5°	36.5	36.0	36.9	36.9	37.6	37.7	38.4	38.6	39.8	39.2	39.8
85°	18.3	17.9	18.3	17.9	18.3	18.8	18.8	18.3	18.3	19.2	17.9
87.5°	7.8	7.9	7.9	8.2	8.3	8.3	8.2	8.4	8.6	8.2	8.4
90°	10.8	12.9	14.6	16.4	18.2	20.0	21.0	22.2	23.2	24.4	25.2
92.5°	19.2	19.6	20.5	21.4	22.3	23.2	23.7	24.3	24.9	25.4	25.8
95°	35.5	32.7	34.2	35.8	37.3	38.9	40.0	41.1	42.2	43.3	43.8
97.5°	46.2	37.7	41.3	44.8	48.5	52.1	52.9	53.8	54.7	55.6	56.2
100°	55.1	41.7	45.6	49.3	53.1	56.8	58.6	60.4	62.1	63.9	65.1
102.5°	203.5	184.5	153.0	121.5	89.9	58.5	60.7	63.0	65.4	67.7	69.1
105°	329.8	302.9	242.4	181.8	121.3	60.8	63.3	65.7	68.2	70.6	72.2
107.5°	409.0	375.4	302.9	230.3	157.8	85.2	82.7	80.2	77.7	75.3	74.4
110°	460.4	430.7	366.7	302.6	238.6	174.6	152.4	130.2	108.0	85.9	75.3



TEST NUMBER: P331543-930

CATALOG NUMBER: S122DIW-S675D1240U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	509.4	503.5	487.7	471.9	456.1	440.2	359.4	278.5	197.7	116.8	76.7
115°	588.6	593.2	598.8	604.3	609.8	615.4	512.7	410.1	307.5	204.9	145.6
117.5°	662.3	666.3	670.1	673.9	677.8	681.6	656.7	631.9	607.1	582.3	543.6
120°	711.4	715.1	719.1	723.1	727.1	731.0	733.7	736.4	739.0	741.7	728.1
122.5°	756.8	760.8	765.1	769.4	773.8	778.1	779.7	781.3	782.9	784.5	782.4
125°	822.3	825.9	830.1	834.3	838.5	842.8	844.3	845.9	847.4	849.0	850.0
127.5°	885.3	888.4	891.5	894.7	897.8	901.0	903.3	905.5	907.8	910.0	911.3
130°	925.8	928.7	931.2	933.6	936.0	938.5	940.9	943.4	945.8	948.2	949.3
132.5°	963.5	966.2	968.7	971.1	973.5	976.0	978.0	980.2	982.2	984.3	985.2
135°	1017.5	1020.3	1022.2	1024.3	1026.2	1028.3	1030.5	1032.7	1034.9	1037.1	1038.0
137.5°	1065.7	1068.0	1070.3	1072.6	1074.8	1077.1	1079.3	1081.4	1083.6	1085.8	1086.5
140°	1097.1	1099.3	1101.7	1104.2	1106.6	1109.1	1111.0	1113.0	1115.0	1117.0	1117.4
142.5°	1125.2	1127.4	1130.2	1132.9	1135.7	1138.6	1140.4	1142.2	1144.0	1145.8	1146.1
145°	1163.0	1164.7	1168.6	1172.3	1176.1	1179.8	1181.4	1182.9	1184.5	1186.0	1186.3
147.5°	1199.8	1201.3	1204.9	1208.7	1212.4	1216.1	1217.3	1218.5	1219.6	1220.7	1220.8
150°	1222.5	1223.5	1227.0	1230.6	1234.1	1237.7	1239.0	1240.3	1241.7	1243.0	1243.1
152.5°	1243.3	1244.1	1247.5	1250.9	1254.3	1257.6	1259.0	1260.3	1261.6	1263.0	1262.9
155°	1273.6	1273.9	1276.6	1279.2	1281.9	1284.6	1285.9	1287.2	1288.6	1289.9	1289.6
157.5°	1299.3	1299.4	1301.3	1303.2	1305.0	1306.9	1308.4	1309.9	1311.4	1313.0	1312.8
160°	1315.2	1315.2	1316.5	1317.8	1319.2	1320.5	1321.8	1323.1	1324.5	1325.8	1325.7
162.5°	1327.9	1327.8	1328.9	1330.1	1331.3	1332.4	1333.9	1335.5	1336.9	1338.5	1338.2
165°	1345.1	1344.8	1345.4	1346.1	1346.7	1347.4	1348.9	1350.5	1352.0	1353.6	1353.6
167.5°	1357.8	1357.5	1358.1	1358.7	1359.3	1359.9	1361.5	1363.0	1364.6	1366.1	1366.0
170°	1365.0	1364.6	1365.0	1365.5	1365.9	1366.4	1367.9	1369.5	1371.0	1372.6	1372.3
172.5°	1369.8	1369.4	1369.8	1370.2	1370.7	1371.1	1372.6	1374.2	1375.7	1377.3	1377.1
175°	1375.1	1374.5	1375.0	1375.4	1375.9	1376.3	1377.9	1379.4	1381.0	1382.5	1382.2
177.5°	1377.3	1376.8	1377.0	1377.1	1377.3	1377.5	1378.8	1380.0	1381.2	1382.5	1382.3
180°	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3



TEST NUMBER: P331543-930

CATALOG NUMBER: S122DIW-S675D1240U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1038.7	1038.0	1038.0	1035.0	1038.0	1038.0	1038.7	1042.0	1043.0	1043.7	1042.4
5°	963.5	962.2	960.2	962.2	960.2	962.2	963.5	969.3	972.2	975.2	977.6
7.5°	889.2	884.2	883.5	878.5	883.5	884.2	889.2	891.9	897.7	904.3	910.3
10°	834.9	831.5	831.1	823.2	831.1	831.5	834.9	842.0	847.8	855.7	864.1
12.5°	793.6	785.6	787.2	782.6	787.2	785.6	793.6	793.7	800.5	805.4	818.4
15°	722.1	722.1	720.4	713.4	720.4	722.1	722.1	733.4	735.4	743.3	754.6
17.5°	670.7	669.9	665.9	667.9	665.9	669.9	670.7	679.0	680.4	691.0	700.2
20°	640.1	637.6	632.6	632.6	632.6	637.6	640.1	644.7	650.1	656.3	664.2
22.5°	611.1	611.0	605.7	607.3	605.7	611.0	611.1	615.4	620.4	627.4	634.0
25°	577.2	574.0	571.4	572.7	571.4	574.0	577.2	577.7	583.5	588.1	592.2
27.5°	545.1	543.3	543.2	539.7	543.2	543.3	545.1	546.3	549.5	552.2	556.1
30°	526.5	522.4	523.2	521.1	523.2	522.4	526.5	526.9	528.6	530.3	534.8
32.5°	505.2	503.7	502.9	501.1	502.9	503.7	505.2	505.9	509.2	510.9	514.5
35°	476.1	476.5	474.5	475.3	474.5	476.5	476.1	477.0	477.4	479.1	482.3
37.5°	450.8	452.1	451.1	451.3	451.1	452.1	450.8	451.2	451.6	451.8	452.8
40°	434.1	434.1	434.1	435.4	434.1	434.1	434.1	432.8	433.3	432.8	432.8
42.5°	418.1	417.4	416.8	416.7	416.8	417.4	418.1	415.2	416.6	415.2	414.5
45°	390.8	392.1	392.5	390.4	392.5	392.1	390.8	390.0	388.7	388.3	387.9
47.5°	366.1	366.2	366.1	367.9	366.1	366.2	366.1	365.0	363.1	362.3	360.4
50°	348.8	348.0	348.8	348.0	348.8	348.0	348.8	346.7	345.4	343.3	341.7
52.5°	330.4	330.6	330.1	330.0	330.1	330.6	330.4	327.8	327.1	326.4	323.8
55°	301.7	302.6	302.1	302.1	302.1	302.6	301.7	300.1	299.6	297.2	294.6
57.5°	272.1	272.8	273.4	271.5	273.4	272.8	272.1	271.7	271.5	268.9	266.2
60°	251.4	253.5	253.1	252.3	253.1	253.5	251.4	251.8	250.5	248.9	247.2
62.5°	232.4	233.2	233.1	232.9	233.1	233.2	232.4	230.5	229.9	228.2	226.6
65°	203.1	203.9	202.7	203.9	202.7	203.9	203.1	201.9	198.9	198.1	196.4
67.5°	171.5	171.8	172.8	173.3	172.8	171.8	171.5	172.0	170.2	168.5	168.2
70°	151.9	151.5	152.7	154.0	152.7	151.5	151.9	151.1	149.9	148.5	146.9
72.5°	131.3	132.2	131.8	132.6	131.8	132.2	131.3	131.4	130.2	128.6	126.9
75°	101.1	102.4	102.0	103.2	102.0	102.4	101.1	102.0	101.1	99.5	97.8
77.5°	73.1	73.2	73.1	73.8	73.1	73.2	73.1	73.8	72.8	73.4	71.5
80°	55.8	55.0	54.1	55.8	54.1	55.0	55.8	55.8	54.5	55.8	54.5
82.5°	38.8	39.3	38.5	38.5	38.5	39.3	38.8	39.8	39.2	39.8	38.6
85°	17.9	17.4	16.6	16.6	16.6	17.4	17.9	17.9	19.2	18.3	18.3
87.5°	8.5	8.2	8.3	8.1	8.3	8.2	8.5	8.4	8.2	8.6	8.4
90°	25.6	26.0	26.5	26.9	26.5	26.0	25.6	25.2	24.4	23.2	22.2
92.5°	26.1	26.4	26.7	26.9	26.7	26.4	26.1	25.8	25.4	24.9	24.3
95°	43.5	43.3	43.1	42.9	43.1	43.3	43.5	43.8	43.3	42.2	41.1
97.5°	56.4	56.7	57.0	57.2	57.0	56.7	56.4	56.2	55.6	54.7	53.8
100°	65.5	66.0	66.4	66.9	66.4	66.0	65.5	65.1	63.9	62.1	60.4
102.5°	69.7	70.4	71.0	71.6	71.0	70.4	69.7	69.1	67.7	65.4	63.0
105°	73.1	74.0	74.9	75.8	74.9	74.0	73.1	72.2	70.6	68.2	65.7
107.5°	75.3	76.2	77.1	78.0	77.1	76.2	75.3	74.4	75.3	77.7	80.2
110°	76.1	77.0	77.9	78.8	77.9	77.0	76.1	75.3	85.9	108.0	130.2



TEST NUMBER: P331543-930

CATALOG NUMBER: S122DIW-S675D1240U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	77.5	78.2	78.8	79.6	78.8	78.2	77.5	76.7	116.8	197.7	278.5
115°	129.6	113.7	97.8	81.8	97.8	113.7	129.6	145.6	204.9	307.5	410.1
117.5°	491.2	438.8	386.4	333.9	386.4	438.8	491.2	543.6	582.3	607.1	631.9
120°	698.1	668.2	638.3	608.4	638.3	668.2	698.1	728.1	741.7	739.0	736.4
122.5°	776.6	770.8	765.0	759.1	765.0	770.8	776.6	782.4	784.5	782.9	781.3
125°	850.7	851.4	852.1	852.7	852.1	851.4	850.7	850.0	849.0	847.4	845.9
127.5°	911.3	911.5	911.6	911.7	911.6	911.5	911.3	911.3	910.0	907.8	905.5
130°	949.1	948.9	948.7	948.4	948.7	948.9	949.1	949.3	948.2	945.8	943.4
132.5°	985.0	984.8	984.6	984.4	984.6	984.8	985.0	985.2	984.3	982.2	980.2
135°	1037.5	1037.1	1036.7	1036.2	1036.7	1037.1	1037.5	1038.0	1037.1	1034.9	1032.7
137.5°	1085.7	1085.0	1084.3	1083.5	1084.3	1085.0	1085.7	1086.5	1085.8	1083.6	1081.4
140°	1116.3	1115.2	1114.1	1113.0	1114.1	1115.2	1116.3	1117.4	1117.0	1115.0	1113.0
142.5°	1145.1	1143.9	1142.8	1141.7	1142.8	1143.9	1145.1	1146.1	1145.8	1144.0	1142.2
145°	1185.1	1184.1	1182.9	1181.9	1182.9	1184.1	1185.1	1186.3	1186.0	1184.5	1182.9
147.5°	1219.9	1219.0	1218.1	1217.2	1218.1	1219.0	1219.9	1220.8	1220.7	1219.6	1218.5
150°	1242.0	1240.9	1239.7	1238.7	1239.7	1240.9	1242.0	1243.1	1243.0	1241.7	1240.3
152.5°	1261.4	1260.0	1258.5	1257.0	1258.5	1260.0	1261.4	1262.9	1263.0	1261.6	1260.3
155°	1287.8	1286.1	1284.3	1282.5	1284.3	1286.1	1287.8	1289.6	1289.9	1288.6	1287.2
157.5°	1311.1	1309.4	1307.7	1305.9	1307.7	1309.4	1311.1	1312.8	1313.0	1311.4	1309.9
160°	1324.1	1322.6	1321.0	1319.5	1321.0	1322.6	1324.1	1325.7	1325.8	1324.5	1323.1
162.5°	1336.4	1334.4	1332.5	1330.6	1332.5	1334.4	1336.4	1338.2	1338.5	1336.9	1335.5
165°	1352.0	1350.5	1348.9	1347.4	1348.9	1350.5	1352.0	1353.6	1353.6	1352.0	1350.5
167.5°	1363.9	1362.0	1359.9	1358.0	1359.9	1362.0	1363.9	1366.0	1366.1	1364.6	1363.0
170°	1370.4	1368.3	1366.4	1364.3	1366.4	1368.3	1370.4	1372.3	1372.6	1371.0	1369.5
172.5°	1375.1	1373.1	1371.1	1369.1	1371.1	1373.1	1375.1	1377.1	1377.3	1375.7	1374.2
175°	1380.0	1377.8	1375.5	1373.3	1375.5	1377.8	1380.0	1382.2	1382.5	1381.0	1379.4
177.5°	1380.7	1379.1	1377.5	1375.9	1377.5	1379.1	1380.7	1382.3	1382.5	1381.2	1380.0
180°	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3



TEST NUMBER: P331543-930

CATALOG NUMBER: S122DIW-S675D1240U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1040.6	1044.3	1049.9	1056.0	1059.6	1066.7	1068.6	1072.0	1075.0	1082.0	1089.2
5°	980.6	986.3	1000.1	1007.6	1018.0	1030.0	1038.0	1046.4	1055.5	1071.3	1085.8
7.5°	916.2	925.9	942.9	956.9	971.8	989.0	1001.5	1018.0	1031.7	1053.9	1075.3
10°	873.2	886.9	902.3	918.9	939.8	958.1	975.6	996.4	1013.0	1039.7	1064.6
12.5°	834.5	836.7	858.7	877.0	905.5	928.1	948.3	975.1	991.4	1023.0	1049.3
15°	767.0	779.5	799.5	814.1	847.8	876.5	904.8	932.7	951.5	990.5	1025.1
17.5°	710.2	721.7	742.2	766.1	790.3	818.8	855.4	884.8	910.3	955.0	995.9
20°	674.3	688.4	709.2	733.8	755.0	786.2	817.8	851.5	879.0	929.4	977.2
22.5°	643.6	654.8	671.6	695.8	719.0	747.5	782.2	818.9	847.7	902.0	950.6
25°	600.5	609.8	620.5	640.5	666.8	698.0	725.0	765.4	807.4	858.2	916.9
27.5°	561.7	568.3	577.9	595.4	615.7	644.9	675.0	713.3	755.5	810.7	872.6
30°	538.2	542.3	551.9	566.5	586.4	609.3	639.7	676.3	719.6	775.3	837.0
32.5°	517.5	521.3	527.6	541.4	558.8	578.4	605.8	642.4	683.6	738.4	806.7
35°	486.6	489.4	494.9	506.1	515.7	534.8	557.7	591.0	629.7	682.2	752.9
37.5°	455.7	459.7	463.0	467.7	480.0	492.6	512.5	540.6	578.6	631.5	699.0
40°	435.4	438.6	443.7	445.7	455.8	467.0	483.2	509.0	547.3	595.6	661.4
42.5°	414.7	418.0	421.0	423.5	432.1	442.0	456.6	478.7	512.7	559.6	624.7
45°	386.6	387.0	390.0	394.5	398.7	405.8	416.2	435.4	461.5	505.6	564.8
47.5°	358.2	358.7	359.1	361.2	365.7	372.2	379.0	394.6	418.1	453.3	510.9
50°	339.2	338.3	339.2	340.9	343.8	349.2	357.1	368.4	387.5	420.4	473.2
52.5°	320.9	320.7	320.2	320.9	323.1	326.9	332.5	342.0	359.1	389.4	435.9
55°	293.0	290.9	291.3	289.7	293.4	294.2	298.4	306.3	321.3	342.1	385.8
57.5°	263.3	261.5	259.7	259.2	258.9	261.1	264.5	270.7	282.2	300.4	335.9
60°	244.3	242.2	239.7	238.9	238.9	240.1	241.8	246.4	257.2	273.5	302.6
62.5°	225.0	222.6	221.1	218.9	218.3	219.5	221.2	224.5	232.2	247.4	272.6
65°	195.2	192.2	190.2	189.8	189.0	187.7	188.5	191.8	198.1	210.2	230.2
67.5°	165.3	162.6	162.1	159.6	158.5	158.7	158.5	161.3	165.1	175.5	190.4
70°	145.7	143.6	142.8	140.6	139.8	139.0	138.2	140.6	144.4	153.2	166.1
72.5°	125.7	123.9	122.1	120.3	120.5	119.7	119.5	121.0	124.1	132.2	142.1
75°	96.9	97.4	95.3	93.2	92.8	92.0	92.0	93.2	94.5	100.7	108.6
77.5°	70.4	70.0	68.2	67.6	67.2	66.3	67.2	68.0	68.6	72.8	78.7
80°	53.7	53.7	51.6	51.6	51.2	50.0	51.2	50.4	52.0	56.2	60.3
82.5°	38.4	37.7	37.6	36.9	36.9	36.0	36.5	37.3	38.1	40.8	43.4
85°	18.8	18.8	18.3	17.9	18.3	17.9	18.3	18.8	19.2	20.4	22.5
87.5°	8.2	8.3	8.3	8.2	7.9	7.9	7.8	7.7	7.8	7.7	7.5
90°	21.0	20.0	18.2	16.4	14.6	12.9	10.8	8.3	5.9	3.4	1.0
92.5°	23.7	23.2	22.3	21.4	20.5	19.6	19.2	19.5	19.7	19.9	20.1
95°	40.0	38.9	37.3	35.8	34.2	32.7	35.5	42.9	50.2	57.5	64.8
97.5°	52.9	52.1	48.5	44.8	41.3	37.7	46.2	66.9	87.4	108.0	128.7
100°	58.6	56.8	53.1	49.3	45.6	41.7	55.1	85.4	115.8	146.2	176.5
102.5°	60.7	58.5	89.9	121.5	153.0	184.5	203.5	209.9	216.3	222.7	229.2
105°	63.3	60.8	121.3	181.8	242.4	302.9	329.8	323.1	316.5	309.8	303.2
107.5°	82.7	85.2	157.8	230.3	302.9	375.4	409.0	403.7	398.3	392.9	387.6
110°	152.4	174.6	238.6	302.6	366.7	430.7	460.4	455.8	451.1	446.5	441.8



TEST NUMBER: P331543-930

CATALOG NUMBER: S122DIW-S675D1240U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	359.4	440.2	456.1	471.9	487.7	503.5	509.4	505.2	501.1	497.0	492.8
115°	512.7	615.4	609.8	604.3	598.8	593.2	588.6	584.7	581.0	577.2	573.5
117.5°	656.7	681.6	677.8	673.9	670.1	666.3	662.3	658.1	653.9	649.7	645.5
120°	733.7	731.0	727.1	723.1	719.1	715.1	711.4	708.1	704.7	701.5	698.1
122.5°	779.7	778.1	773.8	769.4	765.1	760.8	756.8	753.3	749.8	746.3	742.8
125°	844.3	842.8	838.5	834.3	830.1	825.9	822.3	819.5	816.6	813.7	810.8
127.5°	903.3	901.0	897.8	894.7	891.5	888.4	885.3	882.1	878.8	875.6	872.5
130°	940.9	938.5	936.0	933.6	931.2	928.7	925.8	922.2	918.7	915.1	911.6
132.5°	978.0	976.0	973.5	971.1	968.7	966.2	963.5	960.5	957.5	954.5	951.5
135°	1030.5	1028.3	1026.2	1024.3	1022.2	1020.3	1017.5	1013.9	1010.4	1006.8	1003.3
137.5°	1079.3	1077.1	1074.8	1072.6	1070.3	1068.0	1065.7	1063.2	1060.7	1058.3	1055.7
140°	1111.0	1109.1	1106.6	1104.2	1101.7	1099.3	1097.1	1095.4	1093.6	1091.8	1090.1
142.5°	1140.4	1138.6	1135.7	1132.9	1130.2	1127.4	1125.2	1123.6	1122.0	1120.4	1118.8
145°	1181.4	1179.8	1176.1	1172.3	1168.6	1164.7	1163.0	1163.2	1163.4	1163.7	1163.8
147.5°	1217.3	1216.1	1212.4	1208.7	1204.9	1201.3	1199.8	1200.6	1201.5	1202.3	1203.1
150°	1239.0	1237.7	1234.1	1230.6	1227.0	1223.5	1222.5	1224.0	1225.6	1227.2	1228.7
152.5°	1259.0	1257.6	1254.3	1250.9	1247.5	1244.1	1243.3	1245.0	1246.8	1248.5	1250.3
155°	1285.9	1284.6	1281.9	1279.2	1276.6	1273.9	1273.6	1275.5	1277.6	1279.5	1281.6
157.5°	1308.4	1306.9	1305.0	1303.2	1301.3	1299.4	1299.3	1301.1	1302.7	1304.4	1306.1
160°	1321.8	1320.5	1319.2	1317.8	1316.5	1315.2	1315.2	1316.5	1317.8	1319.2	1320.5
162.5°	1333.9	1332.4	1331.3	1330.1	1328.9	1327.8	1327.9	1329.3	1330.6	1331.9	1333.3
165°	1348.9	1347.4	1346.7	1346.1	1345.4	1344.8	1345.1	1346.4	1347.7	1349.1	1350.4
167.5°	1361.5	1359.9	1359.3	1358.7	1358.1	1357.5	1357.8	1359.2	1360.5	1361.8	1363.2
170°	1367.9	1366.4	1365.9	1365.5	1365.0	1364.6	1365.0	1366.4	1367.7	1369.0	1370.4
172.5°	1372.6	1371.1	1370.7	1370.2	1369.8	1369.4	1369.8	1371.1	1372.5	1373.8	1375.1
175°	1377.9	1376.3	1375.9	1375.4	1375.0	1374.5	1375.1	1376.6	1378.2	1379.7	1381.3
177.5°	1378.8	1377.5	1377.3	1377.1	1377.0	1376.8	1377.3	1378.6	1379.8	1381.0	1382.3
180°	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3



TEST NUMBER: P331543-930

CATALOG NUMBER: S122DIW-S675D1240U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1088.6	1090.3	1095.6	1100.9	1106.9	1108.6	1111.3	1108.9	1108.2	1114.6	1119.2
5°	1091.7	1099.2	1113.8	1127.1	1138.3	1146.2	1154.5	1157.9	1164.1	1172.8	1183.7
7.5°	1088.2	1102.8	1125.7	1145.0	1166.2	1181.5	1193.4	1203.5	1215.8	1232.3	1250.4
10°	1084.2	1103.8	1131.6	1155.4	1181.1	1200.7	1217.0	1232.7	1251.1	1274.0	1297.7
12.5°	1076.8	1100.1	1135.0	1163.0	1196.1	1215.4	1237.3	1271.4	1291.0	1322.9	1356.3
15°	1062.2	1087.9	1136.6	1171.2	1208.6	1245.3	1285.6	1318.1	1350.5	1369.3	1416.3
17.5°	1040.2	1078.2	1132.0	1172.3	1219.9	1277.7	1323.0	1359.8	1397.3	1427.7	1451.2
20°	1022.6	1063.8	1125.4	1173.7	1230.3	1292.2	1344.3	1381.8	1414.2	1439.7	1454.2
22.5°	1000.3	1052.1	1112.1	1168.7	1241.0	1302.3	1357.0	1386.4	1413.6	1426.0	1431.6
25°	965.2	1027.6	1095.4	1164.5	1246.1	1311.0	1361.0	1378.8	1386.7	1374.7	1354.7
27.5°	927.3	996.9	1076.2	1156.7	1242.9	1305.4	1341.2	1338.3	1324.9	1285.9	1254.7
30°	898.9	975.6	1060.9	1148.7	1235.3	1296.0	1316.9	1296.0	1265.7	1222.0	1177.5
32.5°	869.4	948.6	1044.6	1137.3	1221.3	1274.7	1279.2	1243.4	1196.4	1146.7	1091.2
35°	824.5	910.2	1013.8	1112.1	1191.6	1225.3	1205.3	1142.1	1086.3	1018.5	942.6
37.5°	773.8	868.5	972.4	1075.1	1147.0	1155.8	1106.3	1039.7	961.0	881.3	792.1
40°	735.8	836.2	943.1	1046.8	1110.4	1101.2	1038.0	964.7	871.1	773.7	690.9
42.5°	701.9	802.2	911.1	1012.8	1063.8	1038.7	964.7	874.8	774.2	682.5	606.7
45°	643.0	746.2	857.8	956.0	985.1	939.8	842.0	742.1	643.0	566.5	506.5
47.5°	586.0	687.9	798.4	884.8	895.0	834.1	727.2	624.4	539.2	476.9	434.6
50°	544.0	646.4	755.8	832.8	829.5	755.8	646.0	548.1	477.0	426.6	398.3
52.5°	506.4	603.1	708.2	778.2	760.6	680.2	575.4	488.5	430.0	390.6	365.0
55°	447.8	537.3	637.2	693.4	660.9	571.9	483.2	413.3	370.0	340.5	320.5
57.5°	389.7	473.6	559.1	593.8	557.9	475.6	401.7	351.0	318.5	296.6	283.6
60°	353.8	427.1	503.2	533.1	490.2	417.0	358.7	313.4	287.1	269.3	257.6
62.5°	317.8	383.4	455.3	471.6	432.4	370.4	318.8	281.1	259.5	243.6	232.7
65°	268.9	322.5	377.1	387.9	351.7	303.9	263.0	238.5	219.3	207.7	198.9
67.5°	220.5	263.6	302.2	311.0	279.2	246.1	216.6	195.2	182.2	172.5	165.2
70°	191.8	226.0	257.6	264.7	239.3	209.8	187.3	170.2	158.6	150.3	143.2
72.5°	161.6	190.0	216.3	221.1	200.3	177.8	159.3	145.9	135.6	130.3	123.5
75°	123.6	140.2	160.6	161.9	148.1	134.4	120.3	111.5	106.2	99.5	96.1
77.5°	87.2	100.3	111.9	114.2	106.1	96.7	88.8	81.9	77.3	74.3	71.2
80°	66.6	77.0	82.0	84.9	79.1	72.4	67.8	63.3	60.3	58.3	56.2
82.5°	47.6	54.1	58.7	60.9	57.8	53.8	49.2	46.6	44.4	42.6	41.9
85°	24.1	27.1	30.0	30.8	30.0	28.3	25.8	25.8	24.5	24.1	24.1
87.5°	9.0	10.8	11.3	12.8	12.6	12.9	13.3	13.3	13.3	13.2	13.1
90°	3.4	5.9	8.3	10.8	12.9	14.6	16.4	18.2	20.0	21.0	22.2
92.5°	19.9	19.7	19.5	19.2	19.6	20.5	21.4	22.3	23.2	23.7	24.3
95°	57.5	50.2	42.9	35.5	32.7	34.2	35.8	37.3	38.9	40.0	41.1
97.5°	108.0	87.4	66.9	46.2	37.7	41.3	44.8	48.5	52.1	52.9	53.8
100°	146.2	115.8	85.4	55.1	41.7	45.6	49.3	53.1	56.8	58.6	60.4
102.5°	222.7	216.3	209.9	203.5	184.5	153.0	121.5	89.9	58.5	60.7	63.0
105°	309.8	316.5	323.1	329.8	302.9	242.4	181.8	121.3	60.8	63.3	65.7
107.5°	392.9	398.3	403.7	409.0	375.4	302.9	230.3	157.8	85.2	82.7	80.2
110°	446.5	451.1	455.8	460.4	430.7	366.7	302.6	238.6	174.6	152.4	130.2



TEST NUMBER: P331543-930

CATALOG NUMBER: S122DIW-S675D1240U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	497.0	501.1	505.2	509.4	503.5	487.7	471.9	456.1	440.2	359.4	278.5
115°	577.2	581.0	584.7	588.6	593.2	598.8	604.3	609.8	615.4	512.7	410.1
117.5°	649.7	653.9	658.1	662.3	666.3	670.1	673.9	677.8	681.6	656.7	631.9
120°	701.5	704.7	708.1	711.4	715.1	719.1	723.1	727.1	731.0	733.7	736.4
122.5°	746.3	749.8	753.3	756.8	760.8	765.1	769.4	773.8	778.1	779.7	781.3
125°	813.7	816.6	819.5	822.3	825.9	830.1	834.3	838.5	842.8	844.3	845.9
127.5°	875.6	878.8	882.1	885.3	888.4	891.5	894.7	897.8	901.0	903.3	905.5
130°	915.1	918.7	922.2	925.8	928.7	931.2	933.6	936.0	938.5	940.9	943.4
132.5°	954.5	957.5	960.5	963.5	966.2	968.7	971.1	973.5	976.0	978.0	980.2
135°	1006.8	1010.4	1013.9	1017.5	1020.3	1022.2	1024.3	1026.2	1028.3	1030.5	1032.7
137.5°	1058.3	1060.7	1063.2	1065.7	1068.0	1070.3	1072.6	1074.8	1077.1	1079.3	1081.4
140°	1091.8	1093.6	1095.4	1097.1	1099.3	1101.7	1104.2	1106.6	1109.1	1111.0	1113.0
142.5°	1120.4	1122.0	1123.6	1125.2	1127.4	1130.2	1132.9	1135.7	1138.6	1140.4	1142.2
145°	1163.7	1163.4	1163.2	1163.0	1164.7	1168.6	1172.3	1176.1	1179.8	1181.4	1182.9
147.5°	1202.3	1201.5	1200.6	1199.8	1201.3	1204.9	1208.7	1212.4	1216.1	1217.3	1218.5
150°	1227.2	1225.6	1224.0	1222.5	1223.5	1227.0	1230.6	1234.1	1237.7	1239.0	1240.3
152.5°	1248.5	1246.8	1245.0	1243.3	1244.1	1247.5	1250.9	1254.3	1257.6	1259.0	1260.3
155°	1279.5	1277.6	1275.5	1273.6	1273.9	1276.6	1279.2	1281.9	1284.6	1285.9	1287.2
157.5°	1304.4	1302.7	1301.1	1299.3	1299.4	1301.3	1303.2	1305.0	1306.9	1308.4	1309.9
160°	1319.2	1317.8	1316.5	1315.2	1315.2	1316.5	1317.8	1319.2	1320.5	1321.8	1323.1
162.5°	1331.9	1330.6	1329.3	1327.9	1327.8	1328.9	1330.1	1331.3	1332.4	1333.9	1335.5
165°	1349.1	1347.7	1346.4	1345.1	1344.8	1345.4	1346.1	1346.7	1347.4	1348.9	1350.5
167.5°	1361.8	1360.5	1359.2	1357.8	1357.5	1358.1	1358.7	1359.3	1359.9	1361.5	1363.0
170°	1369.0	1367.7	1366.4	1365.0	1364.6	1365.0	1365.5	1365.9	1366.4	1367.9	1369.5
172.5°	1373.8	1372.5	1371.1	1369.8	1369.4	1369.8	1370.2	1370.7	1371.1	1372.6	1374.2
175°	1379.7	1378.2	1376.6	1375.1	1374.5	1375.0	1375.4	1375.9	1376.3	1377.9	1379.4
177.5°	1381.0	1379.8	1378.6	1377.3	1376.8	1377.0	1377.1	1377.3	1377.5	1378.8	1380.0
180°	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3



TEST NUMBER: P331543-930

CATALOG NUMBER: S122DIW-S675D1240U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1123.2	1127.9	1127.9	1128.5	1133.9	1133.2	1132.9
5°	1195.3	1202.4	1203.2	1210.7	1215.7	1214.1	1209.5
7.5°	1263.3	1276.5	1286.5	1292.0	1298.6	1302.7	1300.9
10°	1317.3	1336.4	1348.1	1356.0	1365.5	1372.6	1370.1
12.5°	1366.2	1389.0	1405.0	1418.5	1419.8	1428.9	1422.7
15°	1442.5	1466.6	1469.2	1479.2	1487.1	1486.2	1486.6
17.5°	1467.8	1475.5	1477.1	1477.3	1477.4	1474.5	1468.2
20°	1458.7	1455.9	1448.8	1443.4	1433.8	1432.6	1424.2
22.5°	1416.2	1406.9	1389.2	1377.4	1362.5	1358.6	1356.3
25°	1332.3	1311.8	1283.5	1256.5	1249.0	1234.4	1238.6
27.5°	1217.2	1185.4	1154.7	1132.7	1112.8	1091.0	1097.2
30°	1136.2	1100.4	1057.1	1023.9	1002.7	981.8	978.0
32.5°	1039.7	987.2	938.9	909.6	877.1	864.0	849.5
35°	873.2	822.0	774.1	733.0	709.2	690.9	674.3
37.5°	723.4	664.5	625.9	592.5	575.4	564.8	567.5
40°	630.6	578.9	550.7	525.2	509.4	501.9	503.6
42.5°	555.3	516.7	493.3	476.0	464.8	460.6	459.7
45°	469.9	448.3	429.1	419.1	413.7	409.1	406.2
47.5°	411.6	394.0	383.2	377.2	372.5	367.9	367.8
50°	376.7	365.0	357.5	351.2	347.6	344.2	347.1
52.5°	350.0	339.3	331.9	326.3	324.9	321.9	321.8
55°	310.5	302.1	296.8	291.7	289.3	287.6	285.5
57.5°	274.5	266.6	261.6	258.4	253.7	252.0	251.4
60°	248.9	242.6	237.7	233.5	231.4	228.0	228.0
62.5°	225.3	219.0	214.3	211.2	207.7	206.4	206.8
65°	191.0	186.1	181.5	178.1	177.3	174.8	175.6
67.5°	159.6	156.2	151.4	149.6	148.0	146.7	145.7
70°	138.6	135.3	132.7	130.3	129.0	129.0	129.0
72.5°	120.9	116.9	115.4	112.3	113.0	111.7	110.4
75°	93.7	91.2	89.9	88.6	86.6	86.6	86.6
77.5°	68.9	68.2	66.7	65.3	64.8	64.4	64.6
80°	53.2	52.8	52.0	52.0	51.2	50.8	50.0
82.5°	40.9	39.9	39.4	39.1	38.9	38.8	38.6
85°	23.3	22.5	22.5	22.9	22.1	22.1	22.5
87.5°	13.6	13.9	13.7	13.8	14.2	13.9	14.0
90°	23.2	24.4	25.2	25.6	26.0	26.5	26.9
92.5°	24.9	25.4	25.8	26.1	26.4	26.7	26.9
95°	42.2	43.3	43.8	43.5	43.3	43.1	42.9
97.5°	54.7	55.6	56.2	56.4	56.7	57.0	57.2
100°	62.1	63.9	65.1	65.5	66.0	66.4	66.9
102.5°	65.4	67.7	69.1	69.7	70.4	71.0	71.6
105°	68.2	70.6	72.2	73.1	74.0	74.9	75.8
107.5°	77.7	75.3	74.4	75.3	76.2	77.1	78.0
110°	108.0	85.9	75.3	76.1	77.0	77.9	78.8



TEST NUMBER: P331543-930

CATALOG NUMBER: S122DIW-S675D1240U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	197.7	116.8	76.7	77.5	78.2	78.8	79.6
115°	307.5	204.9	145.6	129.6	113.7	97.8	81.8
117.5°	607.1	582.3	543.6	491.2	438.8	386.4	333.9
120°	739.0	741.7	728.1	698.1	668.2	638.3	608.4
122.5°	782.9	784.5	782.4	776.6	770.8	765.0	759.1
125°	847.4	849.0	850.0	850.7	851.4	852.1	852.7
127.5°	907.8	910.0	911.3	911.3	911.5	911.6	911.7
130°	945.8	948.2	949.3	949.1	948.9	948.7	948.4
132.5°	982.2	984.3	985.2	985.0	984.8	984.6	984.4
135°	1034.9	1037.1	1038.0	1037.5	1037.1	1036.7	1036.2
137.5°	1083.6	1085.8	1086.5	1085.7	1085.0	1084.3	1083.5
140°	1115.0	1117.0	1117.4	1116.3	1115.2	1114.1	1113.0
142.5°	1144.0	1145.8	1146.1	1145.1	1143.9	1142.8	1141.7
145°	1184.5	1186.0	1186.3	1185.1	1184.1	1182.9	1181.9
147.5°	1219.6	1220.7	1220.8	1219.9	1219.0	1218.1	1217.2
150°	1241.7	1243.0	1243.1	1242.0	1240.9	1239.7	1238.7
152.5°	1261.6	1263.0	1262.9	1261.4	1260.0	1258.5	1257.0
155°	1288.6	1289.9	1289.6	1287.8	1286.1	1284.3	1282.5
157.5°	1311.4	1313.0	1312.8	1311.1	1309.4	1307.7	1305.9
160°	1324.5	1325.8	1325.7	1324.1	1322.6	1321.0	1319.5
162.5°	1336.9	1338.5	1338.2	1336.4	1334.4	1332.5	1330.6
165°	1352.0	1353.6	1353.6	1352.0	1350.5	1348.9	1347.4
167.5°	1364.6	1366.1	1366.0	1363.9	1362.0	1359.9	1358.0
170°	1371.0	1372.6	1372.3	1370.4	1368.3	1366.4	1364.3
172.5°	1375.7	1377.3	1377.1	1375.1	1373.1	1371.1	1369.1
175°	1381.0	1382.5	1382.2	1380.0	1377.8	1375.5	1373.3
177.5°	1381.2	1382.5	1382.3	1380.7	1379.1	1377.5	1375.9
180°	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3

(END OF REPORT)