

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: P1001672

Luminaire Tested: SA4XXDIP-B575D810UB35-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1001672
REPORT IS A COMBINATION OF REPORTS P996294 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-B575D810UB35-4F0-XX-W2A-A4
Description: Define 4 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

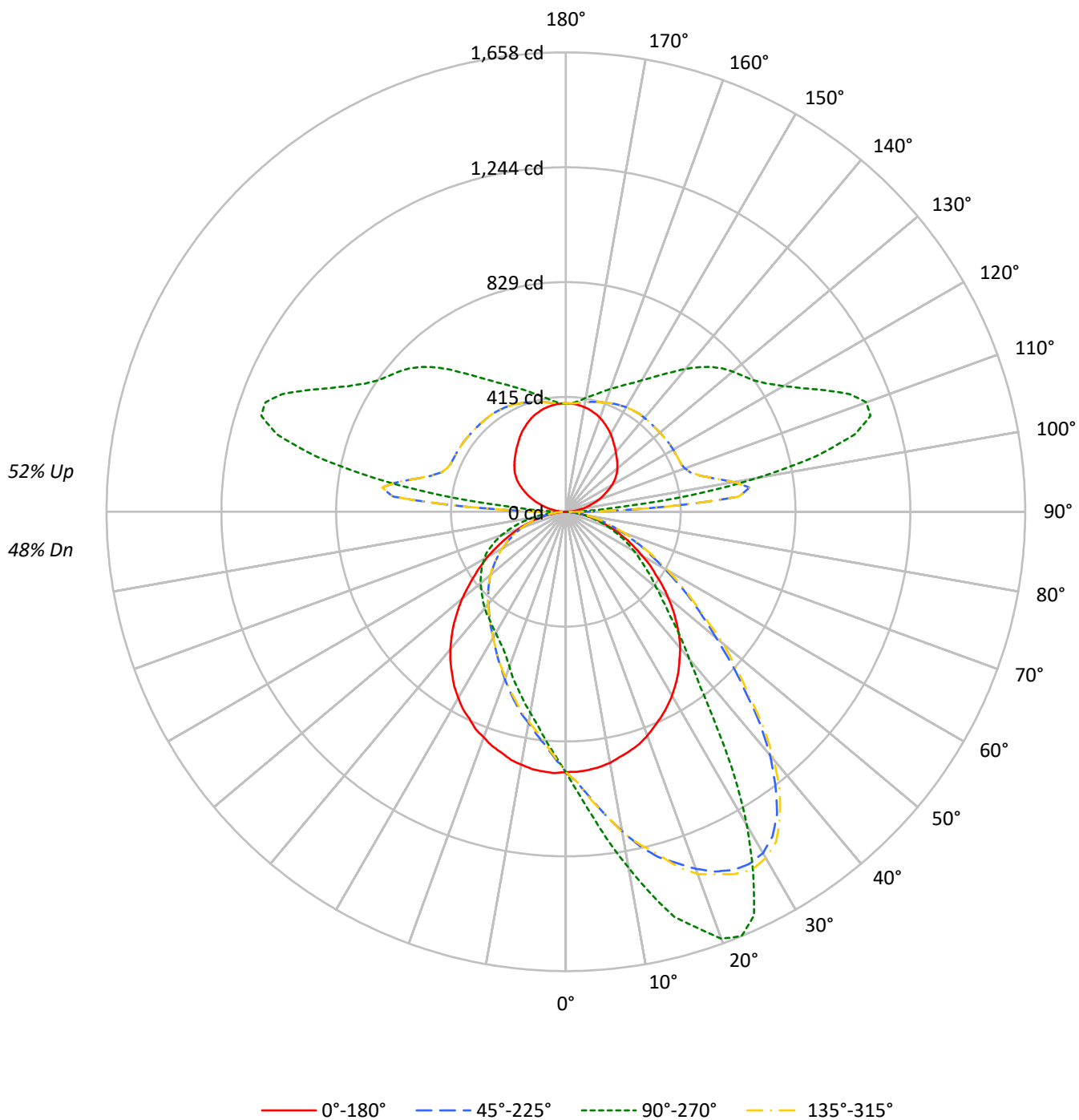
Lumens per Lamp: N/A
Luminaire Lumens: 5437.0 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 45.1
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: P1001672

CATALOG NUMBER: SA4XXDIP-B575D810UB35-4F0-XX-W2A-A4

Luminous Intensity Polar Plot



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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
RCR																	
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46
2	89	82	76	71	82	75	70	66	64	60	56	53	50	48	43	41	39
3	81	72	65	59	74	67	60	55	56	52	48	47	43	40	38	36	34
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29
5	68	57	49	43	63	53	46	40	45	39	35	38	34	30	31	28	25
6	63	51	43	37	58	47	40	35	41	35	31	34	30	27	28	25	22
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	22	20
8	54	42	34	29	50	39	32	27	34	28	24	28	24	21	23	20	18
9	50	38	31	26	46	36	29	25	31	25	22	26	22	19	22	19	16
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7660	7660	7660	7660
5°	7640	8788	7685	6603
10°	7584	10252	7641	5793
15°	7492	11819	7544	5183
20°	7395	12816	7449	4647
25°	7254	12669	7323	4252
30°	7116	10472	7202	4048
35°	6921	7803	6997	3924
40°	6694	5878	6759	3864
45°	6348	4718	6427	3781
50°	5934	3975	6020	3743
55°	5448	3459	5533	3699
60°	4976	3046	5121	3637
65°	4533	2621	4575	3486
70°	4011	2157	4098	3210
75°	3498	1657	3475	2726
80°	2751	1088	2719	2069
85°	1812	488	1696	1207

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 9904 cd/sqm

TEST NUMBER: P1001672

CATALOG NUMBER: SA4XXDIP-B575D810UB35-4F0-XX-W2A-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.4	1.7
10°-20°	282.2	5.2
20°-30°	448.3	8.2
30°-40°	498.1	9.2
40°-50°	453.0	8.3
50°-60°	370.2	6.8
60°-70°	264.2	4.9
70°-80°	145.4	2.7
80°-90°	40.8	0.8
90°-100°	283.0	5.2
100°-110°	590.7	10.9
110°-120°	525.1	9.7
120°-130°	442.0	8.1
130°-140°	368.8	6.8
140°-150°	281.6	5.2
150°-160°	198.0	3.6
160°-170°	116.4	2.1
170°-180°	37.9	0.7
0°-30°	821.9	15.1
0°-40°	1320.0	24.3
0°-60°	2143.1	39.4
0°-90°	2593.5	47.7
90°-120°	1398.8	25.7
90°-150°	2491.2	45.8
90°-180°	2843.0	52.3
0°-180°	5437.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	939	939	939	939	939	
5°	935	1102	941	828	935	89
15°	893	1514	900	664	893	252
25°	816	1607	823	539	816	376
35°	707	950	715	478	707	442
45°	564	533	571	427	564	435
55°	397	349	403	373	397	357
65°	248	224	250	298	248	244
75°	121	112	121	184	121	127
85°	25	23	23	58	25	29
90°	1	16	1	16	1	3
95°	25	187	25	187	25	28
105°	90	1079	90	1079	90	96
115°	158	1036	158	1036	158	157
125°	220	827	220	827	220	196
135°	262	739	262	739	262	202
145°	301	604	301	604	301	189
155°	343	506	343	506	343	158
165°	374	441	374	441	374	106
175°	390	397	390	397	390	37
180°	390	390	390	390	390	

TEST NUMBER: P1001672

CATALOG NUMBER: SA4XXDIP-B575D810UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3
2.5°	939.3	948.7	952.6	955.7	965.8	968.9	969.7	974.3	978.2	979.0	979.0
5°	935.4	950.2	961.9	972.8	989.1	996.1	1004.7	1014.0	1026.5	1034.3	1038.2
7.5°	929.2	951.0	968.9	987.6	1010.1	1024.2	1031.9	1056.8	1074.0	1088.0	1105.1
10°	919.9	947.9	973.6	1000.8	1032.7	1049.8	1067.0	1097.3	1121.4	1148.7	1170.5
12.5°	905.9	942.4	973.6	1011.7	1051.4	1071.6	1091.9	1144.8	1172.8	1196.9	1235.8
15°	893.4	930.0	974.3	1013.3	1062.3	1092.6	1122.2	1156.5	1200.8	1253.0	1290.3
17.5°	879.4	925.3	966.6	1021.0	1075.5	1104.3	1128.4	1181.4	1243.6	1295.0	1329.2
20°	859.9	906.6	961.1	1018.7	1083.3	1105.9	1137.8	1208.6	1264.6	1315.2	1371.2
22.5°	837.4	891.9	949.4	1004.7	1071.6	1119.1	1154.1	1216.4	1284.1	1342.4	1405.5
25°	815.6	874.7	925.3	1000.8	1071.6	1103.5	1143.2	1217.2	1291.1	1361.9	1426.5
27.5°	792.2	847.5	916.0	975.9	1056.1	1091.1	1133.9	1214.8	1293.4	1364.2	1433.5
30°	766.6	825.7	882.5	953.3	1031.2	1076.3	1116.0	1203.9	1284.1	1358.0	1422.6
32.5°	737.8	793.8	854.5	921.4	1003.1	1049.1	1098.9	1189.1	1274.7	1338.6	1388.4
35°	707.4	764.2	817.1	885.6	969.7	1015.6	1063.8	1163.5	1248.3	1300.4	1329.2
37.5°	673.9	727.6	779.8	847.5	931.5	980.6	1029.6	1126.1	1206.3	1249.8	1242.1
40°	642.0	690.3	738.5	802.4	890.3	942.4	985.2	1082.5	1152.6	1171.2	1145.6
42.5°	605.5	646.7	693.4	758.8	844.4	893.4	947.1	1035.8	1088.0	1080.2	1036.6
45°	564.2	600.8	647.5	709.0	796.1	846.7	891.9	975.9	1014.0	994.6	915.2
47.5°	524.5	560.3	598.5	659.9	744.8	787.6	833.5	909.0	930.8	889.5	810.1
50°	481.7	511.3	551.0	609.4	688.7	733.9	772.0	832.7	840.5	789.9	707.4
52.5°	440.5	465.4	503.5	561.1	635.0	670.8	708.2	761.9	755.7	703.5	624.1
55°	396.9	420.2	455.3	508.2	573.6	607.8	639.7	687.2	673.9	620.3	551.0
57.5°	360.3	376.7	410.9	459.9	513.6	551.0	578.2	615.6	595.3	541.6	477.1
60°	318.3	338.5	367.3	407.0	459.9	484.8	509.0	533.9	519.9	468.5	410.9
62.5°	280.2	295.7	320.6	358.8	400.0	422.6	448.3	463.8	449.8	402.3	354.1
65°	247.5	259.9	279.4	310.5	350.2	368.9	383.7	398.5	386.8	342.4	307.4
67.5°	211.7	222.6	238.9	263.8	297.3	310.5	324.5	334.6	321.4	291.8	257.6
70°	179.8	187.6	203.1	221.8	245.1	257.6	269.3	279.4	267.7	242.8	217.1
72.5°	147.1	153.3	167.3	180.5	201.6	210.1	218.7	226.5	222.6	199.2	178.2
75°	121.4	123.7	133.1	144.0	157.2	166.5	172.8	177.4	174.3	155.6	142.4
77.5°	91.8	94.9	101.9	110.5	122.2	127.6	131.5	136.2	132.3	117.5	108.2
80°	66.9	67.7	71.6	79.4	87.2	87.9	91.8	98.1	95.7	85.6	78.6
82.5°	42.8	45.1	46.7	51.4	56.8	58.4	60.7	62.3	61.5	55.3	52.9
85°	24.9	24.9	26.5	29.6	31.1	33.5	34.2	35.0	36.6	32.7	30.4
87.5°	10.9	11.7	11.7	12.5	14.0	14.0	14.8	15.6	16.3	15.6	13.2
90°	0.8	2.3	4.6	5.4	6.1	6.1	6.1	10.7	10.7	12.3	13.8
92.5°	10.7	15.3	23.8	35.3	49.1	59.0	69.0	116.6	191.0	263.1	300.7
95°	25.3	27.6	35.3	45.3	63.7	79.8	95.9	162.6	288.4	471.7	625.1
97.5°	42.2	42.2	49.1	58.3	74.4	88.2	102.0	154.9	263.1	451.8	668.8
100°	58.3	58.3	63.7	72.9	87.4	99.7	112.0	157.2	243.9	400.4	616.7
102.5°	73.6	75.2	79.8	88.2	102.0	113.5	125.0	164.9	238.5	365.9	551.5
105°	89.7	92.0	95.9	105.1	118.9	130.0	141.1	177.9	241.6	349.0	503.2
107.5°	107.4	108.9	112.8	122.7	135.8	146.9	158.0	191.8	250.8	344.4	471.7
110°	125.0	126.6	130.4	139.6	153.4	163.8	174.1	207.9	261.6	345.9	457.1



TEST NUMBER: P1001672

CATALOG NUMBER: SA4XXDIP-B575D810UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	141.9	143.4	148.0	156.5	170.3	180.6	191.0	223.2	273.1	350.5	450.2
115°	158.0	160.3	165.7	173.3	187.9	198.2	208.6	239.3	285.3	356.7	448.7
117.5°	174.9	177.2	181.8	190.2	204.0	214.8	225.5	254.6	297.6	362.8	447.9
120°	191.8	193.3	198.7	207.1	220.1	230.8	241.6	270.8	310.6	369.7	447.9
122.5°	207.1	208.6	214.0	221.7	236.2	246.6	257.0	286.1	322.9	376.6	447.2
125°	220.1	223.2	227.8	236.2	250.8	261.6	272.3	299.9	335.2	383.5	446.4
127.5°	232.4	234.7	240.1	249.3	264.6	275.4	286.1	312.9	345.9	388.9	444.9
130°	242.4	245.4	251.6	263.1	277.7	288.8	299.9	326.0	355.9	395.0	444.1
132.5°	252.3	254.6	263.1	273.8	289.9	300.2	310.6	336.7	365.9	400.4	443.3
135°	261.6	264.6	272.3	285.3	301.4	311.4	321.4	346.7	374.3	405.8	442.6
137.5°	270.8	273.8	282.3	294.5	311.4	321.0	330.6	354.4	380.4	408.8	442.6
140°	280.7	283.0	291.5	304.5	320.6	329.8	339.0	362.0	386.6	412.7	441.8
142.5°	291.5	293.8	301.4	313.7	329.0	337.8	346.7	368.9	391.2	415.7	441.8
145°	301.4	303.7	311.4	322.1	336.7	345.2	353.6	373.5	394.2	416.5	440.3
147.5°	312.9	313.7	320.6	332.1	344.4	352.0	359.7	378.9	397.3	417.3	438.0
150°	323.7	324.4	330.6	339.8	351.3	358.6	365.9	382.7	399.6	417.3	435.7
152.5°	333.7	333.7	339.8	348.2	358.2	364.7	371.2	385.8	401.1	415.7	431.8
155°	342.9	343.6	348.2	355.9	364.3	370.0	375.8	388.9	401.9	414.2	428.0
157.5°	352.1	352.1	356.7	362.8	370.5	375.1	379.7	391.2	401.9	412.7	424.2
160°	360.5	360.5	363.6	368.9	375.1	379.3	383.5	392.7	401.9	410.4	419.6
162.5°	368.2	367.4	369.7	374.3	379.7	382.8	385.8	394.2	401.9	408.1	415.0
165°	373.5	373.5	375.1	378.9	382.7	385.0	387.3	394.2	400.4	405.0	410.4
167.5°	379.7	378.9	379.7	382.7	385.0	387.0	388.9	394.2	398.8	401.9	405.8
170°	383.5	382.7	383.5	385.8	387.3	388.5	389.6	393.5	397.3	398.8	401.1
172.5°	387.3	386.6	386.6	388.1	388.9	389.6	390.4	392.7	395.8	395.8	396.5
175°	389.6	388.9	388.9	389.6	390.4	390.4	390.4	391.9	394.2	393.5	393.5
177.5°	391.2	390.4	389.6	390.4	390.4	390.4	390.4	391.2	392.7	391.2	391.2
180°	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4

TEST NUMBER: P1001672

CATALOG NUMBER: SA4XXDIP-B575D810UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3
2.5°	981.3	995.4	1001.6	1003.1	1011.7	1006.3	1008.6	1007.8	1014.0	1014.8	1014.8
5°	1052.9	1069.3	1074.7	1082.5	1094.2	1097.3	1095.0	1099.6	1108.2	1102.0	1111.3
7.5°	1128.4	1146.3	1158.8	1175.9	1179.8	1189.9	1196.1	1201.6	1203.1	1203.9	1205.5
10°	1198.5	1221.0	1238.2	1267.0	1273.2	1278.6	1305.9	1295.0	1309.0	1304.3	1305.9
12.5°	1255.3	1299.6	1313.7	1361.9	1366.6	1385.3	1383.7	1400.8	1403.9	1410.2	1403.9
15°	1330.0	1381.4	1403.9	1431.2	1446.7	1468.5	1472.4	1495.8	1505.1	1513.7	1505.1
17.5°	1398.5	1425.7	1483.3	1505.1	1515.2	1526.9	1556.5	1565.0	1579.0	1573.6	1589.1
20°	1432.7	1471.6	1532.3	1569.7	1585.3	1596.2	1621.1	1634.3	1639.7	1639.7	1641.3
22.5°	1463.1	1519.1	1564.2	1607.0	1621.1	1628.8	1643.6	1653.7	1656.1	1657.6	1659.2
25°	1490.3	1540.9	1577.5	1601.6	1607.0	1607.0	1615.6	1609.4	1599.3	1607.0	1611.7
27.5°	1490.3	1526.1	1542.5	1551.0	1551.0	1530.0	1517.6	1491.9	1470.1	1463.9	1477.9
30°	1465.4	1481.8	1459.2	1438.2	1421.8	1407.8	1358.8	1319.9	1312.1	1306.7	1327.7
32.5°	1407.8	1386.8	1342.4	1281.7	1257.6	1225.7	1187.6	1158.0	1140.1	1133.9	1129.2
35°	1305.9	1251.4	1193.8	1112.1	1095.0	1054.5	1002.4	980.6	951.0	950.2	960.3
37.5°	1194.6	1110.5	1048.3	970.5	946.3	903.5	854.5	831.9	811.7	796.1	814.8
40°	1064.6	991.5	896.5	832.7	798.5	775.9	734.7	709.7	700.4	692.6	704.3
42.5°	943.2	863.1	789.1	723.8	695.7	670.1	642.8	618.7	611.7	610.9	619.5
45°	822.6	744.0	675.5	619.5	601.6	586.0	559.5	552.5	540.9	533.1	537.0
47.5°	726.1	645.2	588.3	545.5	530.0	516.7	499.6	488.0	477.8	474.7	479.4
50°	631.1	576.7	518.3	482.5	470.8	458.4	445.1	434.3	429.6	426.5	429.6
52.5°	554.9	496.5	456.8	428.0	416.4	407.0	397.7	393.0	386.8	388.3	391.5
55°	486.4	435.0	401.6	380.6	373.6	369.7	358.0	352.5	350.2	348.6	350.2
57.5°	421.8	384.4	359.5	341.6	332.3	330.0	320.6	320.6	318.3	316.0	316.7
60°	370.4	338.5	314.4	300.4	298.8	294.9	288.7	287.9	282.5	284.8	285.6
62.5°	318.3	292.6	276.3	267.7	262.3	260.7	256.8	256.0	253.7	254.5	252.9
65°	277.1	256.0	239.7	232.7	230.4	229.6	226.5	224.1	222.6	224.1	222.6
67.5°	235.8	221.8	209.3	202.3	199.2	198.4	196.1	194.6	195.3	193.0	194.6
70°	196.9	182.9	175.1	171.2	169.7	167.3	167.3	167.3	167.3	165.8	165.0
72.5°	165.8	151.8	146.3	144.0	142.4	141.6	139.3	140.1	139.3	138.5	141.6
75°	131.5	123.0	117.5	115.2	116.7	114.4	112.1	113.6	111.3	112.1	115.2
77.5°	99.6	95.7	92.6	91.1	89.5	87.9	87.9	86.4	86.4	86.4	86.4
80°	72.4	71.6	66.1	65.4	65.4	63.8	63.8	63.8	63.8	63.0	63.8
82.5°	48.3	47.5	45.9	45.1	43.6	44.4	44.4	42.8	42.8	42.0	42.8
85°	28.0	28.0	26.5	25.7	24.9	25.7	24.1	23.3	24.1	23.3	24.1
87.5°	13.2	11.7	12.5	11.7	10.1	10.9	9.3	10.1	9.3	8.6	10.1
90°	13.0	13.8	14.6	15.3	15.3	15.3	16.1	16.9	16.1	16.1	16.1
92.5°	250.0	184.9	138.1	108.9	99.3	89.7	78.2	72.9	69.8	69.8	69.8
95°	642.8	568.4	449.5	346.7	309.5	272.3	234.7	210.9	197.1	187.2	197.1
97.5°	806.1	818.4	759.3	675.0	632.0	589.1	536.9	490.9	467.9	449.5	467.9
100°	813.0	925.0	940.4	902.8	874.4	846.0	779.3	732.5	709.5	703.4	709.5
102.5°	755.5	919.7	1010.9	1033.9	1026.2	1018.6	984.1	953.4	928.9	924.3	928.9
105°	683.4	859.1	991.8	1067.7	1083.4	1099.1	1100.7	1094.5	1083.8	1079.2	1083.8
107.5°	624.4	784.7	928.1	1033.9	1066.2	1098.4	1132.1	1145.9	1152.1	1152.8	1152.1
110°	582.2	718.7	851.4	962.6	1004.8	1047.0	1101.4	1133.6	1147.5	1154.4	1147.5

TEST NUMBER: P1001672

CATALOG NUMBER: SA4XXDIP-B575D810UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	558.4	670.4	783.9	887.4	929.6	971.8	1035.5	1076.1	1096.8	1109.1	1096.8
115°	545.3	641.2	735.6	825.3	862.1	898.9	959.5	1005.6	1030.1	1036.2	1030.1
117.5°	538.4	624.4	704.1	777.0	809.2	841.4	895.1	935.0	961.1	964.9	961.1
120°	533.1	613.6	684.9	746.3	773.6	800.8	844.5	878.2	898.2	906.6	898.2
122.5°	526.9	604.4	672.7	727.1	750.2	773.2	808.4	836.0	852.2	860.6	852.2
125°	520.0	593.7	659.6	712.6	733.7	754.7	785.4	807.7	822.2	826.8	822.2
127.5°	510.8	581.4	645.1	698.0	718.0	737.9	768.6	788.5	800.8	805.4	800.8
130°	502.4	566.1	626.7	678.8	699.2	719.5	750.9	770.1	782.4	787.0	782.4
132.5°	494.7	550.0	605.9	656.6	676.9	697.2	727.9	750.1	761.6	766.2	761.6
135°	487.1	535.4	585.2	632.0	651.2	670.4	701.1	722.5	734.8	739.4	734.8
137.5°	480.2	521.6	565.3	605.9	623.6	641.2	670.4	692.6	702.6	708.0	702.6
140°	474.8	510.1	546.1	580.6	596.7	612.8	639.7	656.6	667.3	673.4	667.3
142.5°	470.2	499.3	530.0	558.4	571.8	585.2	608.2	623.6	632.8	636.6	632.8
145°	464.8	489.4	515.4	538.4	549.2	559.9	579.1	592.1	599.8	603.6	599.8
147.5°	460.2	480.9	502.4	521.6	530.4	539.2	553.8	565.3	571.4	573.0	571.4
150°	454.8	473.2	490.9	506.2	513.1	520.0	532.3	542.3	546.9	547.6	546.9
152.5°	448.7	464.8	479.4	493.2	498.6	503.9	513.9	521.6	523.9	524.6	523.9
155°	442.6	456.4	468.6	480.2	484.8	489.4	497.0	503.2	505.5	505.5	505.5
157.5°	436.4	447.2	457.9	467.9	471.8	475.6	481.7	486.3	487.8	487.8	487.8
160°	429.5	438.7	447.2	455.6	458.6	461.7	466.3	470.9	471.7	471.7	471.7
162.5°	423.4	430.3	437.2	443.3	446.0	448.7	451.8	456.4	457.1	456.4	457.1
165°	416.5	422.6	427.2	432.6	434.5	436.4	439.5	442.6	441.8	441.0	441.8
167.5°	410.4	415.0	418.8	423.4	424.6	425.7	427.2	429.5	429.5	428.8	429.5
170°	404.2	408.1	410.4	413.4	414.6	415.7	417.3	418.0	417.3	417.3	417.3
172.5°	398.8	401.9	403.5	405.0	405.8	406.5	407.3	408.1	407.3	405.8	407.3
175°	395.0	396.5	397.3	398.8	398.8	398.8	398.8	400.4	398.8	397.3	398.8
177.5°	391.9	392.7	393.5	393.5	393.8	394.2	393.5	394.2	392.7	391.2	392.7
180°	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4

TEST NUMBER: P1001672

CATALOG NUMBER: SA4XXDIP-B575D810UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3
2.5°	1013.3	1010.9	1007.8	1007.8	1003.9	1003.9	997.7	986.8	977.5	974.3	975.9
5°	1099.6	1100.4	1095.7	1091.9	1084.9	1079.4	1069.3	1049.8	1043.6	1031.2	1022.6
7.5°	1198.5	1195.4	1186.8	1180.6	1179.0	1166.6	1144.8	1121.4	1102.8	1090.3	1072.4
10°	1309.8	1297.3	1284.9	1281.0	1271.6	1250.6	1225.7	1200.0	1174.4	1147.1	1116.8
12.5°	1403.2	1379.0	1378.2	1368.9	1351.0	1339.3	1309.8	1273.2	1228.8	1198.5	1164.2
15°	1503.5	1481.0	1462.3	1445.2	1436.6	1402.4	1377.5	1331.6	1278.6	1245.9	1222.6
17.5°	1575.1	1565.0	1533.1	1525.3	1513.7	1474.0	1434.3	1389.1	1343.2	1297.3	1234.3
20°	1632.7	1626.5	1605.5	1594.6	1575.9	1544.8	1496.5	1444.4	1391.5	1326.1	1267.0
22.5°	1657.6	1649.9	1632.7	1623.4	1611.7	1585.3	1544.0	1484.9	1415.6	1357.2	1294.2
25°	1608.6	1622.6	1617.9	1614.1	1609.4	1593.8	1562.7	1510.5	1442.8	1376.7	1298.1
27.5°	1498.1	1522.2	1545.6	1548.7	1556.5	1562.7	1550.2	1512.9	1456.1	1386.0	1299.6
30°	1349.5	1360.3	1407.8	1421.8	1432.7	1472.4	1495.8	1486.4	1442.8	1379.8	1300.4
32.5°	1158.8	1187.6	1235.8	1269.3	1298.9	1343.2	1403.9	1428.1	1412.5	1361.1	1282.5
35°	978.2	1012.5	1068.5	1111.3	1140.9	1203.9	1275.5	1327.7	1347.1	1321.4	1251.4
37.5°	830.4	871.6	921.4	937.8	972.0	1049.8	1148.7	1221.0	1268.5	1270.9	1216.4
40°	719.1	740.1	779.8	804.7	838.2	903.5	1000.0	1095.7	1167.3	1191.5	1162.7
42.5°	624.9	641.3	670.8	701.2	731.5	781.3	870.1	959.6	1056.1	1104.3	1103.5
45°	550.2	567.3	587.6	612.5	633.5	687.2	757.2	849.1	932.3	1007.0	1025.7
47.5°	484.8	499.6	524.5	535.4	549.4	600.0	660.7	746.3	832.7	918.3	940.1
50°	436.6	449.0	466.2	473.2	488.7	526.1	575.9	645.2	740.9	819.5	859.9
52.5°	393.0	402.3	415.6	421.0	431.9	459.9	505.1	559.5	638.9	719.9	776.7
55°	355.7	361.9	371.2	377.4	385.2	410.1	443.6	492.6	561.1	631.1	686.4
57.5°	320.6	325.3	334.6	337.8	344.0	363.4	386.8	428.0	491.1	553.3	607.0
60°	287.9	291.1	296.5	303.5	308.2	321.4	343.2	377.4	428.0	484.8	528.4
62.5°	256.8	261.5	263.0	266.2	270.0	282.5	299.6	324.5	368.9	415.6	461.5
65°	224.9	228.8	231.9	232.7	236.6	245.9	261.5	283.3	312.1	352.5	395.3
67.5°	195.3	197.7	199.2	202.3	206.2	210.9	223.4	239.7	266.2	298.8	333.1
70°	168.1	168.1	170.4	171.2	175.9	181.3	186.8	202.3	225.7	252.1	275.5
72.5°	138.5	142.4	141.6	145.5	144.8	148.6	155.6	165.8	182.9	203.9	226.5
75°	112.8	115.2	115.2	115.2	116.7	119.8	123.7	133.1	146.3	163.4	176.7
77.5°	87.9	89.5	89.5	89.5	90.3	93.4	97.3	103.5	112.8	123.0	130.7
80°	63.0	64.6	64.6	66.1	66.1	66.9	70.8	73.9	78.6	86.4	94.2
82.5°	42.8	43.6	45.1	45.1	44.4	45.9	46.7	49.8	54.5	56.0	61.5
85°	23.3	24.1	24.9	24.9	25.7	27.2	26.5	29.6	29.6	32.7	34.2
87.5°	9.3	10.9	10.9	10.1	10.9	10.9	10.9	12.5	13.2	14.0	13.2
90°	16.9	16.1	15.3	15.3	15.3	14.6	13.8	13.0	13.8	12.3	10.7
92.5°	72.9	78.2	89.7	99.3	108.9	138.1	184.9	250.0	300.7	263.1	191.0
95°	210.9	234.7	272.3	309.5	346.7	449.5	568.4	642.8	625.1	471.7	288.4
97.5°	490.9	536.9	589.1	632.0	675.0	759.3	818.4	806.1	668.8	451.8	263.1
100°	732.5	779.3	846.0	874.4	902.8	940.4	925.0	813.0	616.7	400.4	243.9
102.5°	953.4	984.1	1018.6	1026.2	1033.9	1010.9	919.7	755.5	551.5	365.9	238.5
105°	1094.5	1100.7	1099.1	1083.4	1067.7	991.8	859.1	683.4	503.2	349.0	241.6
107.5°	1145.9	1132.1	1098.4	1066.2	1033.9	928.1	784.7	624.4	471.7	344.4	250.8
110°	1133.6	1101.4	1047.0	1004.8	962.6	851.4	718.7	582.2	457.1	345.9	261.6

TEST NUMBER: P1001672

CATALOG NUMBER: SA4XXDIP-B575D810UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1076.1	1035.5	971.8	929.6	887.4	783.9	670.4	558.4	450.2	350.5	273.1
115°	1005.6	959.5	898.9	862.1	825.3	735.6	641.2	545.3	448.7	356.7	285.3
117.5°	935.0	895.1	841.4	809.2	777.0	704.1	624.4	538.4	447.9	362.8	297.6
120°	878.2	844.5	800.8	773.6	746.3	684.9	613.6	533.1	447.9	369.7	310.6
122.5°	836.0	808.4	773.2	750.2	727.1	672.7	604.4	526.9	447.2	376.6	322.9
125°	807.7	785.4	754.7	733.7	712.6	659.6	593.7	520.0	446.4	383.5	335.2
127.5°	788.5	768.6	737.9	718.0	698.0	645.1	581.4	510.8	444.9	388.9	345.9
130°	770.1	750.9	719.5	699.2	678.8	626.7	566.1	502.4	444.1	395.0	355.9
132.5°	750.1	727.9	697.2	676.9	656.6	605.9	550.0	494.7	443.3	400.4	365.9
135°	722.5	701.1	670.4	651.2	632.0	585.2	535.4	487.1	442.6	405.8	374.3
137.5°	692.6	670.4	641.2	623.6	605.9	565.3	521.6	480.2	442.6	408.8	380.4
140°	656.6	639.7	612.8	596.7	580.6	546.1	510.1	474.8	441.8	412.7	386.6
142.5°	623.6	608.2	585.2	571.8	558.4	530.0	499.3	470.2	441.8	415.7	391.2
145°	592.1	579.1	559.9	549.2	538.4	515.4	489.4	464.8	440.3	416.5	394.2
147.5°	565.3	553.8	539.2	530.4	521.6	502.4	480.9	460.2	438.0	417.3	397.3
150°	542.3	532.3	520.0	513.1	506.2	490.9	473.2	454.8	435.7	417.3	399.6
152.5°	521.6	513.9	503.9	498.6	493.2	479.4	464.8	448.7	431.8	415.7	401.1
155°	503.2	497.0	489.4	484.8	480.2	468.6	456.4	442.6	428.0	414.2	401.9
157.5°	486.3	481.7	475.6	471.8	467.9	457.9	447.2	436.4	424.2	412.7	401.9
160°	470.9	466.3	461.7	458.6	455.6	447.2	438.7	429.5	419.6	410.4	401.9
162.5°	456.4	451.8	448.7	446.0	443.3	437.2	430.3	423.4	415.0	408.1	401.9
165°	442.6	439.5	436.4	434.5	432.6	427.2	422.6	416.5	410.4	405.0	400.4
167.5°	429.5	427.2	425.7	424.6	423.4	418.8	415.0	410.4	405.8	401.9	398.8
170°	418.0	417.3	415.7	414.6	413.4	410.4	408.1	404.2	401.1	398.8	397.3
172.5°	408.1	407.3	406.5	405.8	405.0	403.5	401.9	398.8	396.5	395.8	395.8
175°	400.4	398.8	398.8	398.8	398.8	397.3	396.5	395.0	393.5	393.5	394.2
177.5°	394.2	393.5	394.2	393.8	393.5	393.5	392.7	391.9	391.2	391.2	392.7
180°	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4

TEST NUMBER: P1001672

CATALOG NUMBER: SA4XXDIP-B575D810UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3
2.5°	968.9	965.8	963.5	963.5	956.4	949.4	945.6	944.0	942.4	936.2	927.7
5°	1008.6	998.5	991.5	984.5	972.8	960.3	947.9	940.9	930.8	916.8	906.6
7.5°	1052.9	1028.8	1021.0	1012.5	989.1	968.1	951.0	936.2	919.9	902.0	884.1
10°	1090.3	1064.6	1047.5	1032.7	1002.4	974.3	948.7	926.9	905.9	882.5	860.7
12.5°	1126.1	1089.5	1071.6	1049.8	1017.9	977.5	944.0	916.8	885.6	861.5	835.0
15°	1175.9	1114.4	1084.9	1070.8	1028.0	980.6	940.1	899.6	874.0	837.4	814.0
17.5°	1183.7	1133.9	1114.4	1078.6	1027.3	973.6	926.9	886.4	847.5	814.8	784.5
20°	1210.9	1145.6	1114.4	1091.9	1024.2	969.7	918.3	866.2	828.8	793.8	759.6
22.5°	1228.0	1154.1	1121.4	1085.6	1021.0	955.7	895.0	849.8	803.9	768.1	740.9
25°	1223.4	1149.4	1112.9	1079.4	1000.8	935.4	881.0	823.4	780.6	741.7	705.9
27.5°	1221.0	1137.8	1098.9	1061.5	987.6	919.1	850.6	803.9	756.4	711.3	684.8
30°	1214.8	1123.0	1077.9	1037.4	960.3	888.7	830.4	775.9	728.4	687.2	652.2
32.5°	1193.8	1098.1	1054.5	1010.9	930.8	859.2	800.0	749.4	702.0	659.2	625.7
35°	1165.8	1068.5	1021.0	975.1	895.0	822.6	768.1	715.2	670.8	629.6	597.7
37.5°	1137.8	1034.3	989.9	937.0	863.1	787.6	731.5	684.1	642.8	600.0	565.0
40°	1097.3	993.8	944.8	899.6	813.3	742.4	691.1	648.3	607.8	567.3	537.8
42.5°	1042.1	949.4	898.9	849.1	768.1	698.1	648.3	610.1	572.0	538.5	505.9
45°	986.0	895.7	850.6	806.2	718.3	652.2	606.2	571.2	539.3	502.7	476.3
47.5°	918.3	842.0	796.9	753.3	670.1	603.9	561.9	529.2	499.6	469.3	444.4
50°	849.1	782.9	741.7	696.5	617.1	557.2	516.0	488.7	464.6	435.8	415.6
52.5°	774.3	716.8	681.7	638.1	568.1	512.9	470.8	443.6	423.4	402.3	384.4
55°	695.0	652.9	615.6	580.6	514.4	464.6	427.2	403.1	389.1	369.7	354.1
57.5°	623.4	582.9	560.3	520.6	463.0	414.0	384.4	364.2	347.9	336.2	323.7
60°	548.7	516.0	491.1	462.3	411.7	370.4	339.3	327.6	310.5	302.0	296.5
62.5°	477.1	453.7	430.4	408.6	363.4	324.5	301.2	286.4	276.3	267.7	263.0
65°	409.3	387.6	371.2	351.8	314.4	283.3	261.5	249.8	239.7	237.4	231.9
67.5°	343.2	333.9	316.0	300.4	268.5	244.4	228.0	213.2	207.8	205.5	200.8
70°	287.2	276.3	262.3	249.0	224.9	203.9	189.1	183.7	175.9	175.1	169.7
72.5°	236.6	223.4	213.2	203.1	185.2	166.5	158.8	151.0	147.1	144.0	141.6
75°	187.6	178.2	171.2	162.7	147.1	134.6	123.7	120.6	118.3	117.5	116.0
77.5°	140.1	133.9	130.7	122.2	111.3	100.4	95.7	91.1	91.1	89.5	90.3
80°	99.6	95.7	91.8	87.2	77.8	73.2	69.3	66.1	64.6	63.8	64.6
82.5°	63.0	60.7	59.9	56.8	50.6	48.3	45.1	42.8	42.8	42.8	42.8
85°	35.0	35.0	35.0	30.4	28.0	25.7	24.1	23.3	23.3	23.3	24.1
87.5°	14.8	14.8	12.5	12.5	11.7	10.1	9.3	9.3	10.1	10.1	10.9
90°	10.7	6.1	6.1	6.1	5.4	4.6	2.3	0.8	2.3	4.6	5.4
92.5°	116.6	69.0	59.0	49.1	35.3	23.8	15.3	10.7	15.3	23.8	35.3
95°	162.6	95.9	79.8	63.7	45.3	35.3	27.6	25.3	27.6	35.3	45.3
97.5°	154.9	102.0	88.2	74.4	58.3	49.1	42.2	42.2	42.2	49.1	58.3
100°	157.2	112.0	99.7	87.4	72.9	63.7	58.3	58.3	58.3	63.7	72.9
102.5°	164.9	125.0	113.5	102.0	88.2	79.8	75.2	73.6	75.2	79.8	88.2
105°	177.9	141.1	130.0	118.9	105.1	95.9	92.0	89.7	92.0	95.9	105.1
107.5°	191.8	158.0	146.9	135.8	122.7	112.8	108.9	107.4	108.9	112.8	122.7
110°	207.9	174.1	163.8	153.4	139.6	130.4	126.6	125.0	126.6	130.4	139.6

TEST NUMBER: P1001672

CATALOG NUMBER: SA4XXDIP-B575D810UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	223.2	191.0	180.6	170.3	156.5	148.0	143.4	141.9	143.4	148.0	156.5
115°	239.3	208.6	198.2	187.9	173.3	165.7	160.3	158.0	160.3	165.7	173.3
117.5°	254.6	225.5	214.8	204.0	190.2	181.8	177.2	174.9	177.2	181.8	190.2
120°	270.8	241.6	230.8	220.1	207.1	198.7	193.3	191.8	193.3	198.7	207.1
122.5°	286.1	257.0	246.6	236.2	221.7	214.0	208.6	207.1	208.6	214.0	221.7
125°	299.9	272.3	261.6	250.8	236.2	227.8	223.2	220.1	223.2	227.8	236.2
127.5°	312.9	286.1	275.4	264.6	249.3	240.1	234.7	232.4	234.7	240.1	249.3
130°	326.0	299.9	288.8	277.7	263.1	251.6	245.4	242.4	245.4	251.6	263.1
132.5°	336.7	310.6	300.2	289.9	273.8	263.1	254.6	252.3	254.6	263.1	273.8
135°	346.7	321.4	311.4	301.4	285.3	272.3	264.6	261.6	264.6	272.3	285.3
137.5°	354.4	330.6	321.0	311.4	294.5	282.3	273.8	270.8	273.8	282.3	294.5
140°	362.0	339.0	329.8	320.6	304.5	291.5	283.0	280.7	283.0	291.5	304.5
142.5°	368.9	346.7	337.8	329.0	313.7	301.4	293.8	291.5	293.8	301.4	313.7
145°	373.5	353.6	345.2	336.7	322.1	311.4	303.7	301.4	303.7	311.4	322.1
147.5°	378.9	359.7	352.0	344.4	332.1	320.6	313.7	312.9	313.7	320.6	332.1
150°	382.7	365.9	358.6	351.3	339.8	330.6	324.4	323.7	324.4	330.6	339.8
152.5°	385.8	371.2	364.7	358.2	348.2	339.8	333.7	333.7	333.7	339.8	348.2
155°	388.9	375.8	370.0	364.3	355.9	348.2	343.6	342.9	343.6	348.2	355.9
157.5°	391.2	379.7	375.1	370.5	362.8	356.7	352.1	352.1	352.1	356.7	362.8
160°	392.7	383.5	379.3	375.1	368.9	363.6	360.5	360.5	360.5	363.6	368.9
162.5°	394.2	385.8	382.8	379.7	374.3	369.7	367.4	368.2	367.4	369.7	374.3
165°	394.2	387.3	385.0	382.7	378.9	375.1	373.5	373.5	373.5	375.1	378.9
167.5°	394.2	388.9	387.0	385.0	382.7	379.7	378.9	379.7	378.9	379.7	382.7
170°	393.5	389.6	388.5	387.3	385.8	383.5	382.7	383.5	382.7	383.5	385.8
172.5°	392.7	390.4	389.6	388.9	388.1	386.6	386.6	387.3	386.6	386.6	388.1
175°	391.9	390.4	390.4	390.4	389.6	388.9	388.9	389.6	388.9	388.9	389.6
177.5°	391.2	390.4	390.4	390.4	390.4	389.6	390.4	391.2	390.4	389.6	390.4
180°	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4

TEST NUMBER: P1001672

CATALOG NUMBER: SA4XXDIP-B575D810UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3
2.5°	925.3	922.2	923.8	916.0	909.0	898.9	890.3	888.7	887.2	891.9	888.7
5°	898.9	895.0	891.1	881.7	867.7	859.2	846.7	845.9	841.3	834.3	835.8
7.5°	870.1	867.7	862.3	847.5	835.0	820.3	810.1	801.6	797.7	791.5	789.1
10°	846.7	838.2	833.5	817.1	802.4	786.8	773.6	767.3	760.3	754.9	751.0
12.5°	814.8	812.5	799.2	786.0	773.6	755.7	745.5	727.6	718.3	723.0	721.4
15°	793.8	782.9	779.8	761.1	740.1	728.4	709.7	698.1	694.2	687.2	678.6
17.5°	765.8	758.8	747.9	730.8	706.6	690.3	677.1	666.2	661.5	652.2	645.2
20°	739.3	727.6	719.1	703.5	680.2	659.2	642.8	635.8	624.1	616.4	612.5
22.5°	715.2	706.6	694.2	670.8	650.6	630.4	610.9	600.8	589.9	585.2	579.0
25°	685.6	671.6	663.1	637.4	615.6	599.2	581.3	568.1	561.9	554.1	552.5
27.5°	656.8	643.6	633.5	610.9	584.5	563.4	552.5	543.2	532.3	532.3	528.4
30°	628.0	618.7	603.1	581.3	556.4	536.2	523.7	515.2	511.3	508.2	507.4
32.5°	599.2	586.8	577.4	547.9	529.2	510.5	501.2	494.2	489.5	488.7	489.5
35°	569.7	555.7	546.3	519.9	501.2	484.1	480.2	473.9	471.6	470.8	474.7
37.5°	538.5	527.6	516.0	494.2	473.2	463.0	455.3	452.9	452.2	456.8	458.4
40°	509.7	500.4	489.5	466.2	450.6	439.7	435.8	433.5	436.6	441.3	443.6
42.5°	482.5	469.3	460.7	439.7	425.7	419.5	414.8	414.8	417.9	423.4	427.2
45°	453.7	443.6	435.0	416.4	403.9	396.9	396.1	396.9	400.8	404.7	409.3
47.5°	425.7	415.6	406.2	390.7	379.8	375.9	375.1	375.9	382.1	387.6	393.0
50°	400.0	389.1	380.6	365.8	357.2	352.5	353.3	357.2	361.9	369.7	376.7
52.5°	369.7	361.9	354.1	340.9	333.1	330.0	332.3	335.4	344.0	349.4	358.0
55°	340.1	333.1	326.9	316.7	310.5	308.2	309.7	314.4	321.4	330.7	340.9
57.5°	312.8	305.1	298.8	291.8	284.8	285.6	286.4	292.6	301.2	309.7	321.4
60°	282.5	277.8	272.4	263.8	260.7	260.7	263.0	270.0	277.8	291.8	302.0
62.5°	255.3	249.0	245.1	239.7	235.0	235.8	241.3	247.5	256.8	268.5	281.7
65°	227.2	220.2	217.1	212.5	210.9	211.7	215.6	224.9	235.0	245.1	257.6
67.5°	196.1	193.8	190.7	186.0	187.6	188.3	192.2	200.0	210.9	221.0	235.0
70°	169.7	165.0	164.2	160.3	160.3	162.7	170.4	175.9	186.0	196.9	211.7
72.5°	141.6	137.7	137.7	134.6	137.0	139.3	143.2	151.0	160.3	171.2	183.7
75°	112.8	111.3	112.8	111.3	111.3	115.2	119.8	126.1	136.2	147.9	158.0
77.5°	87.2	87.2	86.4	88.7	88.7	91.1	97.3	103.5	111.3	120.6	131.5
80°	63.8	63.8	63.8	66.1	68.5	68.5	72.4	80.2	87.2	93.4	103.5
82.5°	43.6	43.6	43.6	45.1	48.3	48.3	52.9	57.6	65.4	70.8	75.5
85°	26.5	26.5	25.7	27.2	28.0	30.4	34.2	37.4	41.2	45.9	50.6
87.5°	11.7	11.7	12.5	13.2	14.0	15.6	17.1	18.7	22.6	24.1	26.5
90°	6.1	6.1	6.1	10.7	10.7	12.3	13.8	13.0	13.8	14.6	15.3
92.5°	49.1	59.0	69.0	116.6	191.0	263.1	300.7	250.0	184.9	138.1	108.9
95°	63.7	79.8	95.9	162.6	288.4	471.7	625.1	642.8	568.4	449.5	346.7
97.5°	74.4	88.2	102.0	154.9	263.1	451.8	668.8	806.1	818.4	759.3	675.0
100°	87.4	99.7	112.0	157.2	243.9	400.4	616.7	813.0	925.0	940.4	902.8
102.5°	102.0	113.5	125.0	164.9	238.5	365.9	551.5	755.5	919.7	1010.9	1033.9
105°	118.9	130.0	141.1	177.9	241.6	349.0	503.2	683.4	859.1	991.8	1067.7
107.5°	135.8	146.9	158.0	191.8	250.8	344.4	471.7	624.4	784.7	928.1	1033.9
110°	153.4	163.8	174.1	207.9	261.6	345.9	457.1	582.2	718.7	851.4	962.6

TEST NUMBER: P1001672

CATALOG NUMBER: SA4XXDIP-B575D810UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	170.3	180.6	191.0	223.2	273.1	350.5	450.2	558.4	670.4	783.9	887.4
115°	187.9	198.2	208.6	239.3	285.3	356.7	448.7	545.3	641.2	735.6	825.3
117.5°	204.0	214.8	225.5	254.6	297.6	362.8	447.9	538.4	624.4	704.1	777.0
120°	220.1	230.8	241.6	270.8	310.6	369.7	447.9	533.1	613.6	684.9	746.3
122.5°	236.2	246.6	257.0	286.1	322.9	376.6	447.2	526.9	604.4	672.7	727.1
125°	250.8	261.6	272.3	299.9	335.2	383.5	446.4	520.0	593.7	659.6	712.6
127.5°	264.6	275.4	286.1	312.9	345.9	388.9	444.9	510.8	581.4	645.1	698.0
130°	277.7	288.8	299.9	326.0	355.9	395.0	444.1	502.4	566.1	626.7	678.8
132.5°	289.9	300.2	310.6	336.7	365.9	400.4	443.3	494.7	550.0	605.9	656.6
135°	301.4	311.4	321.4	346.7	374.3	405.8	442.6	487.1	535.4	585.2	632.0
137.5°	311.4	321.0	330.6	354.4	380.4	408.8	442.6	480.2	521.6	565.3	605.9
140°	320.6	329.8	339.0	362.0	386.6	412.7	441.8	474.8	510.1	546.1	580.6
142.5°	329.0	337.8	346.7	368.9	391.2	415.7	441.8	470.2	499.3	530.0	558.4
145°	336.7	345.2	353.6	373.5	394.2	416.5	440.3	464.8	489.4	515.4	538.4
147.5°	344.4	352.0	359.7	378.9	397.3	417.3	438.0	460.2	480.9	502.4	521.6
150°	351.3	358.6	365.9	382.7	399.6	417.3	435.7	454.8	473.2	490.9	506.2
152.5°	358.2	364.7	371.2	385.8	401.1	415.7	431.8	448.7	464.8	479.4	493.2
155°	364.3	370.0	375.8	388.9	401.9	414.2	428.0	442.6	456.4	468.6	480.2
157.5°	370.5	375.1	379.7	391.2	401.9	412.7	424.2	436.4	447.2	457.9	467.9
160°	375.1	379.3	383.5	392.7	401.9	410.4	419.6	429.5	438.7	447.2	455.6
162.5°	379.7	382.8	385.8	394.2	401.9	408.1	415.0	423.4	430.3	437.2	443.3
165°	382.7	385.0	387.3	394.2	400.4	405.0	410.4	416.5	422.6	427.2	432.6
167.5°	385.0	387.0	388.9	394.2	398.8	401.9	405.8	410.4	415.0	418.8	423.4
170°	387.3	388.5	389.6	393.5	397.3	398.8	401.1	404.2	408.1	410.4	413.4
172.5°	388.9	389.6	390.4	392.7	395.8	395.8	396.5	398.8	401.9	403.5	405.0
175°	390.4	390.4	390.4	391.9	394.2	393.5	393.5	395.0	396.5	397.3	398.8
177.5°	390.4	390.4	390.4	391.2	392.7	391.2	391.2	391.9	392.7	393.5	393.5
180°	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4

TEST NUMBER: P1001672

CATALOG NUMBER: SA4XXDIP-B575D810UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3
2.5°	886.4	885.6	881.7	883.3	878.6	880.2	882.5	883.3	886.4	884.1	883.3
5°	831.9	830.4	828.0	825.7	824.9	828.0	822.6	824.1	825.7	828.0	831.2
7.5°	787.6	786.8	784.5	780.6	779.0	777.5	778.2	783.7	782.9	782.1	787.6
10°	747.1	747.9	743.2	742.4	737.8	737.0	737.8	739.3	741.7	744.8	745.5
12.5°	705.1	715.2	706.6	703.5	696.5	700.4	702.0	695.0	698.9	701.2	712.9
15°	678.6	673.9	668.5	668.5	665.4	663.8	659.9	665.4	668.5	673.2	671.6
17.5°	642.0	634.3	631.1	628.0	628.8	631.9	623.4	635.8	635.8	638.1	634.3
20°	610.1	603.9	600.0	598.5	596.1	594.6	593.8	596.9	601.6	603.1	607.0
22.5°	576.7	576.7	570.4	568.1	566.6	564.2	568.1	565.8	568.9	572.0	578.2
25°	548.7	548.7	546.3	543.2	540.9	539.3	541.6	540.9	543.2	547.1	548.7
27.5°	526.1	523.7	523.0	522.2	521.4	522.2	521.4	523.7	526.1	526.9	525.3
30°	506.6	504.3	505.1	505.1	505.9	505.1	504.3	506.6	507.4	505.9	506.6
32.5°	488.7	488.7	490.3	491.1	491.1	491.8	492.6	491.1	491.8	489.5	490.3
35°	473.9	475.5	477.1	477.8	478.6	477.8	479.4	478.6	477.1	475.5	474.7
37.5°	459.2	460.7	463.8	464.6	466.9	467.7	466.2	466.2	465.4	462.3	460.7
40°	443.6	445.1	449.0	451.4	452.9	455.3	453.7	453.7	450.6	447.5	445.1
42.5°	428.8	431.9	435.8	438.1	441.3	441.3	441.3	439.7	435.8	432.7	430.4
45°	414.0	414.8	420.2	424.1	427.2	427.2	427.2	424.9	422.6	416.4	413.2
47.5°	397.7	400.0	406.2	410.1	413.2	414.0	414.0	411.7	407.0	401.6	397.7
50°	379.8	383.7	390.7	396.1	400.0	401.6	399.2	397.7	392.2	386.0	381.3
52.5°	362.7	367.3	375.9	380.6	386.0	386.8	386.0	383.7	377.4	368.9	365.0
55°	345.5	349.4	358.8	366.5	371.2	372.8	371.2	367.3	359.5	351.0	347.1
57.5°	326.9	332.3	342.4	350.2	355.7	356.4	354.9	351.0	344.8	333.9	328.4
60°	307.4	314.4	324.5	332.3	339.3	340.1	338.5	333.1	325.3	314.4	309.7
62.5°	287.9	293.4	305.1	313.6	319.1	323.0	319.9	314.4	306.6	295.7	288.7
65°	265.4	273.2	283.3	291.1	297.3	298.1	296.5	291.8	283.3	271.6	266.2
67.5°	243.6	249.0	259.2	269.3	271.6	273.9	271.6	266.9	259.9	249.8	242.0
70°	217.1	221.8	234.2	241.3	244.4	246.7	245.1	240.5	234.2	224.9	218.7
72.5°	190.7	194.6	206.2	211.7	217.9	217.1	216.3	213.2	204.7	198.4	194.6
75°	162.7	167.3	175.1	182.1	184.4	184.4	184.4	182.1	176.7	166.5	162.7
77.5°	137.0	139.3	145.5	149.4	151.8	152.5	151.8	147.9	144.8	137.7	135.4
80°	105.1	111.3	116.0	116.7	119.8	119.8	119.8	118.3	115.2	108.2	107.4
82.5°	79.4	80.9	85.6	87.9	89.5	88.7	88.7	85.6	84.8	80.9	79.4
85°	53.7	56.0	55.3	58.4	59.1	57.6	57.6	59.1	55.3	56.0	53.7
87.5°	29.6	29.6	31.1	30.4	33.5	33.5	31.9	32.7	31.1	30.4	29.6
90°	15.3	15.3	16.1	16.9	16.1	16.1	16.1	16.9	16.1	15.3	15.3
92.5°	99.3	89.7	78.2	72.9	69.8	69.8	69.8	72.9	78.2	89.7	99.3
95°	309.5	272.3	234.7	210.9	197.1	187.2	197.1	210.9	234.7	272.3	309.5
97.5°	632.0	589.1	536.9	490.9	467.9	449.5	467.9	490.9	536.9	589.1	632.0
100°	874.4	846.0	779.3	732.5	709.5	703.4	709.5	732.5	779.3	846.0	874.4
102.5°	1026.2	1018.6	984.1	953.4	928.9	924.3	928.9	953.4	984.1	1018.6	1026.2
105°	1083.4	1099.1	1100.7	1094.5	1083.8	1079.2	1083.8	1094.5	1100.7	1099.1	1083.4
107.5°	1066.2	1098.4	1132.1	1145.9	1152.1	1152.8	1152.1	1145.9	1132.1	1098.4	1066.2
110°	1004.8	1047.0	1101.4	1133.6	1147.5	1154.4	1147.5	1133.6	1101.4	1047.0	1004.8

TEST NUMBER: P1001672

CATALOG NUMBER: SA4XXDIP-B575D810UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	929.6	971.8	1035.5	1076.1	1096.8	1109.1	1096.8	1076.1	1035.5	971.8	929.6
115°	862.1	898.9	959.5	1005.6	1030.1	1036.2	1030.1	1005.6	959.5	898.9	862.1
117.5°	809.2	841.4	895.1	935.0	961.1	964.9	961.1	935.0	895.1	841.4	809.2
120°	773.6	800.8	844.5	878.2	898.2	906.6	898.2	878.2	844.5	800.8	773.6
122.5°	750.2	773.2	808.4	836.0	852.2	860.6	852.2	836.0	808.4	773.2	750.2
125°	733.7	754.7	785.4	807.7	822.2	826.8	822.2	807.7	785.4	754.7	733.7
127.5°	718.0	737.9	768.6	788.5	800.8	805.4	800.8	788.5	768.6	737.9	718.0
130°	699.2	719.5	750.9	770.1	782.4	787.0	782.4	770.1	750.9	719.5	699.2
132.5°	676.9	697.2	727.9	750.1	761.6	766.2	761.6	750.1	727.9	697.2	676.9
135°	651.2	670.4	701.1	722.5	734.8	739.4	734.8	722.5	701.1	670.4	651.2
137.5°	623.6	641.2	670.4	692.6	702.6	708.0	702.6	692.6	670.4	641.2	623.6
140°	596.7	612.8	639.7	656.6	667.3	673.4	667.3	656.6	639.7	612.8	596.7
142.5°	571.8	585.2	608.2	623.6	632.8	636.6	632.8	623.6	608.2	585.2	571.8
145°	549.2	559.9	579.1	592.1	599.8	603.6	599.8	592.1	579.1	559.9	549.2
147.5°	530.4	539.2	553.8	565.3	571.4	573.0	571.4	565.3	553.8	539.2	530.4
150°	513.1	520.0	532.3	542.3	546.9	547.6	546.9	542.3	532.3	520.0	513.1
152.5°	498.6	503.9	513.9	521.6	523.9	524.6	523.9	521.6	513.9	503.9	498.6
155°	484.8	489.4	497.0	503.2	505.5	505.5	505.5	503.2	497.0	489.4	484.8
157.5°	471.8	475.6	481.7	486.3	487.8	487.8	487.8	486.3	481.7	475.6	471.8
160°	458.6	461.7	466.3	470.9	471.7	471.7	471.7	470.9	466.3	461.7	458.6
162.5°	446.0	448.7	451.8	456.4	457.1	456.4	457.1	456.4	451.8	448.7	446.0
165°	434.5	436.4	439.5	442.6	441.8	441.0	441.8	442.6	439.5	436.4	434.5
167.5°	424.6	425.7	427.2	429.5	429.5	428.8	429.5	429.5	427.2	425.7	424.6
170°	414.6	415.7	417.3	418.0	417.3	417.3	417.3	418.0	417.3	415.7	414.6
172.5°	405.8	406.5	407.3	408.1	407.3	405.8	407.3	408.1	407.3	406.5	405.8
175°	398.8	398.8	398.8	400.4	398.8	397.3	398.8	400.4	398.8	398.8	398.8
177.5°	393.8	394.2	393.5	394.2	392.7	391.2	392.7	394.2	393.5	394.2	393.8
180°	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4

TEST NUMBER: P1001672

CATALOG NUMBER: SA4XXDIP-B575D810UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3
2.5°	883.3	888.0	883.3	886.4	888.0	891.9	893.4	900.4	902.7	908.2	908.2
5°	830.4	832.7	833.5	836.6	839.7	847.5	852.9	863.1	874.7	876.3	883.3
7.5°	787.6	791.5	797.7	795.4	800.8	812.5	819.5	831.9	843.6	849.8	858.4
10°	749.4	754.1	756.4	758.8	768.9	779.0	789.9	798.5	814.0	823.4	830.4
12.5°	718.3	714.4	719.1	727.6	739.3	745.5	760.3	773.6	785.2	795.4	801.6
15°	677.8	681.0	685.6	700.4	703.5	719.1	724.5	739.3	761.1	770.4	778.2
17.5°	638.9	649.0	658.4	663.8	673.2	685.6	701.2	717.5	731.5	742.4	751.8
20°	607.8	617.9	623.4	627.3	636.6	653.7	668.5	688.7	706.6	715.2	727.6
22.5°	582.9	582.9	590.7	602.4	607.8	624.1	636.6	658.4	677.8	688.7	700.4
25°	551.8	556.4	562.7	572.8	580.6	593.8	611.7	630.4	651.4	660.7	675.5
27.5°	526.1	531.5	540.1	542.4	550.2	561.9	580.6	600.8	622.6	632.7	645.2
30°	506.6	509.7	512.9	517.5	524.5	534.6	550.2	568.1	594.6	602.4	617.9
32.5°	489.5	491.1	492.6	496.5	500.4	510.5	523.0	542.4	564.2	575.9	589.9
35°	473.9	472.4	473.2	475.5	479.4	483.3	496.5	512.9	533.1	547.1	558.0
37.5°	459.2	456.0	455.3	455.3	456.8	461.5	471.6	485.6	507.4	519.1	530.0
40°	442.8	439.7	438.1	437.4	436.6	439.7	447.5	461.5	478.6	489.5	502.0
42.5°	427.2	424.1	420.2	419.5	417.9	419.5	424.9	438.1	452.9	463.8	473.9
45°	411.7	406.2	401.6	398.5	399.2	396.9	400.8	410.9	428.0	435.0	445.1
47.5°	394.6	388.3	382.1	379.0	375.9	377.4	379.0	387.6	402.3	409.3	419.5
50°	378.2	369.7	362.7	358.8	356.4	354.9	356.4	365.0	375.9	382.1	390.7
52.5°	359.5	351.0	344.0	337.8	334.6	332.3	333.1	340.9	351.0	357.2	365.8
55°	342.4	331.5	322.2	314.4	312.1	311.3	310.5	316.0	324.5	330.7	337.8
57.5°	323.0	312.1	302.0	292.6	287.9	287.2	287.2	288.7	299.6	304.3	308.2
60°	303.5	291.8	280.9	272.4	265.4	263.0	262.3	265.4	270.8	275.5	280.9
62.5°	281.7	270.0	256.8	249.0	242.0	235.8	238.1	238.9	246.7	249.0	253.7
65°	260.7	247.5	236.6	224.1	216.3	212.5	210.9	212.5	218.7	219.5	222.6
67.5°	236.6	224.1	210.9	202.3	195.3	188.3	186.8	186.8	189.9	192.2	196.1
70°	213.2	200.8	186.0	176.7	169.7	163.4	161.1	160.3	162.7	164.2	168.1
72.5°	186.0	173.5	162.7	152.5	144.0	139.3	137.0	135.4	137.7	139.3	140.1
75°	157.2	147.1	136.2	126.1	120.6	116.0	112.8	110.5	112.1	112.1	112.1
77.5°	130.0	119.8	111.3	104.3	97.3	91.8	89.5	87.2	87.9	87.9	89.5
80°	101.2	94.2	87.2	80.9	74.7	70.0	68.5	66.1	64.6	63.8	63.8
82.5°	74.7	69.3	63.0	57.6	54.5	49.8	48.3	45.1	45.1	44.4	44.4
85°	49.8	46.7	40.5	36.6	34.2	31.9	30.4	28.8	26.5	26.5	25.7
87.5°	26.5	24.9	23.3	18.7	18.7	16.3	15.6	14.8	12.5	13.2	13.2
90°	15.3	14.6	13.8	13.0	13.8	12.3	10.7	10.7	6.1	6.1	6.1
92.5°	108.9	138.1	184.9	250.0	300.7	263.1	191.0	116.6	69.0	59.0	49.1
95°	346.7	449.5	568.4	642.8	625.1	471.7	288.4	162.6	95.9	79.8	63.7
97.5°	675.0	759.3	818.4	806.1	668.8	451.8	263.1	154.9	102.0	88.2	74.4
100°	902.8	940.4	925.0	813.0	616.7	400.4	243.9	157.2	112.0	99.7	87.4
102.5°	1033.9	1010.9	919.7	755.5	551.5	365.9	238.5	164.9	125.0	113.5	102.0
105°	1067.7	991.8	859.1	683.4	503.2	349.0	241.6	177.9	141.1	130.0	118.9
107.5°	1033.9	928.1	784.7	624.4	471.7	344.4	250.8	191.8	158.0	146.9	135.8
110°	962.6	851.4	718.7	582.2	457.1	345.9	261.6	207.9	174.1	163.8	153.4

TEST NUMBER: P1001672

CATALOG NUMBER: SA4XXDIP-B575D810UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	887.4	783.9	670.4	558.4	450.2	350.5	273.1	223.2	191.0	180.6	170.3
115°	825.3	735.6	641.2	545.3	448.7	356.7	285.3	239.3	208.6	198.2	187.9
117.5°	777.0	704.1	624.4	538.4	447.9	362.8	297.6	254.6	225.5	214.8	204.0
120°	746.3	684.9	613.6	533.1	447.9	369.7	310.6	270.8	241.6	230.8	220.1
122.5°	727.1	672.7	604.4	526.9	447.2	376.6	322.9	286.1	257.0	246.6	236.2
125°	712.6	659.6	593.7	520.0	446.4	383.5	335.2	299.9	272.3	261.6	250.8
127.5°	698.0	645.1	581.4	510.8	444.9	388.9	345.9	312.9	286.1	275.4	264.6
130°	678.8	626.7	566.1	502.4	444.1	395.0	355.9	326.0	299.9	288.8	277.7
132.5°	656.6	605.9	550.0	494.7	443.3	400.4	365.9	336.7	310.6	300.2	289.9
135°	632.0	585.2	535.4	487.1	442.6	405.8	374.3	346.7	321.4	311.4	301.4
137.5°	605.9	565.3	521.6	480.2	442.6	408.8	380.4	354.4	330.6	321.0	311.4
140°	580.6	546.1	510.1	474.8	441.8	412.7	386.6	362.0	339.0	329.8	320.6
142.5°	558.4	530.0	499.3	470.2	441.8	415.7	391.2	368.9	346.7	337.8	329.0
145°	538.4	515.4	489.4	464.8	440.3	416.5	394.2	373.5	353.6	345.2	336.7
147.5°	521.6	502.4	480.9	460.2	438.0	417.3	397.3	378.9	359.7	352.0	344.4
150°	506.2	490.9	473.2	454.8	435.7	417.3	399.6	382.7	365.9	358.6	351.3
152.5°	493.2	479.4	464.8	448.7	431.8	415.7	401.1	385.8	371.2	364.7	358.2
155°	480.2	468.6	456.4	442.6	428.0	414.2	401.9	388.9	375.8	370.0	364.3
157.5°	467.9	457.9	447.2	436.4	424.2	412.7	401.9	391.2	379.7	375.1	370.5
160°	455.6	447.2	438.7	429.5	419.6	410.4	401.9	392.7	383.5	379.3	375.1
162.5°	443.3	437.2	430.3	423.4	415.0	408.1	401.9	394.2	385.8	382.8	379.7
165°	432.6	427.2	422.6	416.5	410.4	405.0	400.4	394.2	387.3	385.0	382.7
167.5°	423.4	418.8	415.0	410.4	405.8	401.9	398.8	394.2	388.9	387.0	385.0
170°	413.4	410.4	408.1	404.2	401.1	398.8	397.3	393.5	389.6	388.5	387.3
172.5°	405.0	403.5	401.9	398.8	396.5	395.8	395.8	392.7	390.4	389.6	388.9
175°	398.8	397.3	396.5	395.0	393.5	393.5	394.2	391.9	390.4	390.4	390.4
177.5°	393.5	393.5	392.7	391.9	391.2	391.2	392.7	391.2	390.4	390.4	390.4
180°	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4	390.4

TEST NUMBER: P1001672

CATALOG NUMBER: SA4XXDIP-B575D810UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	939.3	939.3	939.3	939.3
2.5°	913.6	921.4	928.4	939.3
5°	893.4	904.3	919.1	935.4
7.5°	870.1	887.2	906.6	929.2
10°	848.3	867.7	892.6	919.9
12.5°	825.7	849.1	876.3	905.9
15°	800.0	823.4	853.7	893.4
17.5°	776.7	804.7	837.4	879.4
20°	749.4	775.9	811.7	859.9
22.5°	725.3	755.7	795.4	837.4
25°	698.9	725.3	765.0	815.6
27.5°	672.4	705.1	743.2	792.2
30°	646.7	673.9	715.2	766.6
32.5°	618.7	651.4	689.5	737.8
35°	588.3	619.5	655.3	707.4
37.5°	561.1	591.5	628.0	673.9
40°	530.8	562.7	596.1	642.0
42.5°	501.2	530.0	563.4	605.5
45°	472.4	497.3	527.6	564.2
47.5°	442.8	463.8	491.8	524.5
50°	410.9	433.5	454.5	481.7
52.5°	381.3	400.8	417.9	440.5
55°	352.5	365.8	379.8	396.9
57.5°	322.2	332.3	342.4	360.3
60°	291.8	301.2	306.6	318.3
62.5°	262.3	266.2	273.2	280.2
65°	229.6	235.0	238.9	247.5
67.5°	200.0	202.3	206.2	211.7
70°	168.9	174.3	175.9	179.8
72.5°	142.4	144.8	146.3	147.1
75°	112.8	115.2	116.7	121.4
77.5°	88.7	87.9	91.1	91.8
80°	65.4	63.0	63.8	66.9
82.5°	42.8	43.6	42.8	42.8
85°	26.5	25.7	24.1	24.9
87.5°	11.7	11.7	10.9	10.9
90°	5.4	4.6	2.3	0.8
92.5°	35.3	23.8	15.3	10.7
95°	45.3	35.3	27.6	25.3
97.5°	58.3	49.1	42.2	42.2
100°	72.9	63.7	58.3	58.3
102.5°	88.2	79.8	75.2	73.6
105°	105.1	95.9	92.0	89.7
107.5°	122.7	112.8	108.9	107.4
110°	139.6	130.4	126.6	125.0



TEST NUMBER: P1001672

CATALOG NUMBER: SA4XXDIP-B575D810UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	156.5	148.0	143.4	141.9
115°	173.3	165.7	160.3	158.0
117.5°	190.2	181.8	177.2	174.9
120°	207.1	198.7	193.3	191.8
122.5°	221.7	214.0	208.6	207.1
125°	236.2	227.8	223.2	220.1
127.5°	249.3	240.1	234.7	232.4
130°	263.1	251.6	245.4	242.4
132.5°	273.8	263.1	254.6	252.3
135°	285.3	272.3	264.6	261.6
137.5°	294.5	282.3	273.8	270.8
140°	304.5	291.5	283.0	280.7
142.5°	313.7	301.4	293.8	291.5
145°	322.1	311.4	303.7	301.4
147.5°	332.1	320.6	313.7	312.9
150°	339.8	330.6	324.4	323.7
152.5°	348.2	339.8	333.7	333.7
155°	355.9	348.2	343.6	342.9
157.5°	362.8	356.7	352.1	352.1
160°	368.9	363.6	360.5	360.5
162.5°	374.3	369.7	367.4	368.2
165°	378.9	375.1	373.5	373.5
167.5°	382.7	379.7	378.9	379.7
170°	385.8	383.5	382.7	383.5
172.5°	388.1	386.6	386.6	387.3
175°	389.6	388.9	388.9	389.6
177.5°	390.4	389.6	390.4	391.2
180°	390.4	390.4	390.4	390.4

(END OF REPORT)