

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: P1001426

Luminaire Tested: SA4XXDIP-B575D1035UB30-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1001426
REPORT IS A COMBINATION OF REPORTS P996045 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-B575D1035UB30-4F0-XX-W2A-A4
Description: Define 4 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

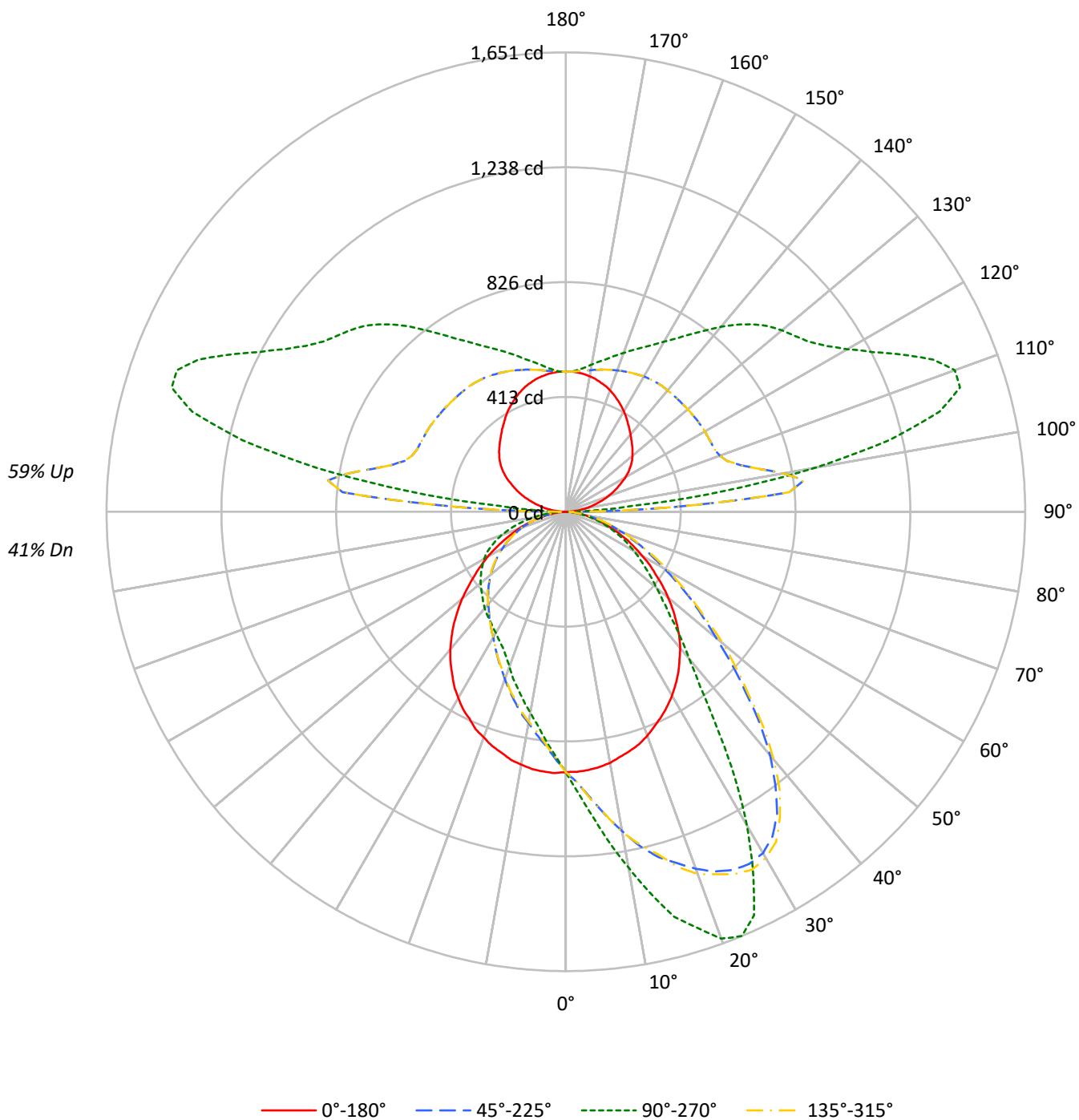
Lumens per Lamp: N/A
Luminaire Lumens: 6247.0 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 52.5
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

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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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	48	48	48
1	96	92	88	85	87	84	81	78	69	67	65	55	54	53	43	42	41
2	88	80	74	69	80	74	68	64	61	57	54	49	46	44	38	36	35
3	80	71	64	58	73	65	59	54	54	49	46	43	40	38	34	32	30
4	73	63	55	49	67	58	51	46	48	43	39	39	35	32	30	28	26
5	67	56	48	42	61	51	44	39	43	38	34	35	31	28	27	25	23
6	62	50	42	37	56	46	39	34	39	33	29	31	28	25	25	22	20
7	57	45	37	32	52	42	35	30	35	30	26	29	25	22	23	20	18
8	53	41	33	28	48	38	31	26	32	27	23	26	22	19	21	18	16
9	49	37	30	25	45	35	28	24	29	24	21	24	20	17	19	16	14
10	46	34	27	23	42	32	25	21	27	22	18	22	18	16	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7627	7627	7627	7627
5°	7608	8750	7652	6575
10°	7551	10209	7608	5769
15°	7460	11768	7512	5161
20°	7364	12762	7417	4627
25°	7223	12615	7292	4233
30°	7085	10427	7171	4030
35°	6892	7770	6968	3907
40°	6665	5853	6730	3847
45°	6321	4698	6400	3765
50°	5909	3958	5996	3727
55°	5425	3445	5510	3683
60°	4954	3033	5099	3621
65°	4512	2610	4556	3471
70°	3993	2148	4080	3197
75°	3484	1650	3461	2716
80°	2739	1085	2710	2061
85°	1805	486	1688	1201

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 9863 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.0	1.5
10°-20°	281.0	4.5
20°-30°	446.4	7.1
30°-40°	496.0	7.9
40°-50°	451.0	7.2
50°-60°	368.6	5.9
60°-70°	263.1	4.2
70°-80°	144.8	2.3
80°-90°	41.1	0.7
90°-100°	364.6	5.8
100°-110°	761.2	12.2
110°-120°	676.7	10.8
120°-130°	569.6	9.1
130°-140°	475.2	7.6
140°-150°	362.8	5.8
150°-160°	255.1	4.1
160°-170°	150.0	2.4
170°-180°	48.8	0.8
0°-30°	818.4	13.1
0°-40°	1314.4	21.0
0°-60°	2134.0	34.2
0°-90°	2583.0	41.3
90°-120°	1802.5	28.9
90°-150°	3210.1	51.4
90°-180°	3664.0	58.7
0°-180°	6247.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	935	935	935	935	935	
5°	932	1097	937	824	932	88
15°	890	1507	896	661	890	251
25°	812	1600	820	537	812	374
35°	704	946	712	476	704	440
45°	562	531	569	425	562	433
55°	395	347	401	371	395	355
65°	246	223	249	297	246	243
75°	121	112	120	184	121	127
85°	25	23	23	57	25	29
90°	1	21	1	21	1	4
95°	33	241	33	241	33	36
105°	116	1391	116	1391	116	123
115°	204	1335	204	1335	204	202
125°	284	1066	284	1066	284	253
135°	337	953	337	953	337	260
145°	388	778	388	778	388	244
155°	442	651	442	651	442	204
165°	481	568	481	568	481	136
175°	502	512	502	512	502	48
180°	503	503	503	503	503	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3
2.5°	935.3	944.6	948.5	951.6	961.7	964.8	965.6	970.2	974.1	974.9	974.9
5°	931.5	946.2	957.8	968.7	984.9	991.9	1000.4	1009.7	1022.1	1029.9	1033.8
7.5°	925.3	947.0	964.8	983.4	1005.9	1019.8	1027.6	1052.4	1069.4	1083.4	1100.4
10°	916.0	943.9	969.4	996.6	1028.3	1045.4	1062.4	1092.6	1116.7	1143.8	1165.5
12.5°	902.0	938.4	969.4	1007.4	1046.9	1067.1	1087.2	1139.9	1167.8	1191.8	1230.6
15°	889.6	926.0	970.2	1009.0	1057.8	1088.0	1117.4	1151.5	1195.7	1247.6	1284.8
17.5°	875.7	921.4	962.5	1016.7	1071.0	1099.6	1123.6	1176.3	1238.3	1289.5	1323.6
20°	856.3	902.8	957.0	1014.4	1078.7	1101.2	1132.9	1203.5	1259.3	1309.6	1365.4
22.5°	833.8	888.1	945.4	1000.4	1067.1	1114.3	1149.2	1211.2	1278.6	1336.8	1399.5
25°	812.1	871.0	921.4	996.6	1067.1	1098.8	1138.4	1212.0	1285.6	1356.1	1420.4
27.5°	788.9	843.9	912.1	971.8	1051.6	1086.4	1129.1	1209.7	1287.9	1358.4	1427.4
30°	763.3	822.2	878.8	949.3	1026.8	1071.7	1111.2	1198.8	1278.6	1352.3	1416.6
32.5°	734.6	790.4	850.9	917.5	998.9	1044.6	1094.2	1184.1	1269.3	1332.9	1382.5
35°	704.4	761.0	813.7	881.9	965.6	1011.3	1059.3	1158.5	1243.0	1294.9	1323.6
37.5°	671.1	724.6	776.5	843.9	927.6	976.4	1025.2	1121.3	1201.1	1244.5	1236.8
40°	639.3	687.4	735.4	799.0	886.5	938.4	981.1	1077.9	1147.7	1166.3	1140.7
42.5°	602.9	644.0	690.5	755.6	840.8	889.6	943.1	1031.4	1083.4	1075.6	1032.2
45°	561.8	598.2	644.7	706.0	792.8	843.1	888.1	971.8	1009.7	990.4	911.3
47.5°	522.3	557.9	595.9	657.1	741.6	784.2	829.9	905.1	926.8	885.7	806.7
50°	479.7	509.1	548.6	606.8	685.8	730.8	768.7	829.2	836.9	786.6	704.4
52.5°	438.6	463.4	501.4	558.7	632.3	668.0	705.2	758.7	752.5	700.5	621.5
55°	395.2	418.5	453.3	506.0	571.1	605.2	637.0	684.3	671.1	617.6	548.6
57.5°	358.8	375.1	409.2	458.0	511.5	548.6	575.8	613.0	592.8	539.4	475.0
60°	316.9	337.1	365.8	405.3	458.0	482.8	506.8	531.6	517.7	466.5	409.2
62.5°	279.0	294.5	319.3	357.2	398.3	420.8	446.4	461.9	447.9	400.6	352.6
65°	246.4	258.8	278.2	309.2	348.7	367.3	382.0	396.8	385.1	341.0	306.1
67.5°	210.8	221.6	237.9	262.7	296.0	309.2	323.1	333.2	320.0	290.6	256.5
70°	179.0	186.8	202.3	220.9	244.1	256.5	268.1	278.2	266.6	241.8	216.2
72.5°	146.5	152.7	166.6	179.8	200.7	209.2	217.8	225.5	221.6	198.4	177.5
75°	120.9	123.2	132.5	143.4	156.5	165.8	172.0	176.7	173.6	155.0	141.8
77.5°	91.4	94.5	101.5	110.0	121.7	127.1	131.0	135.6	131.7	117.0	107.7
80°	66.6	67.4	71.3	79.0	86.8	87.6	91.4	97.6	95.3	85.2	78.3
82.5°	42.6	44.9	46.5	51.1	56.6	58.1	60.4	62.0	61.2	55.0	52.7
85°	24.8	24.8	26.3	29.4	31.0	33.3	34.1	34.9	36.4	32.5	30.2
87.5°	10.8	11.6	11.6	12.4	13.9	13.9	14.7	15.5	16.3	15.5	13.2
90°	1.0	3.0	5.9	6.9	7.9	7.9	7.9	13.8	13.8	15.8	17.8
92.5°	13.8	19.8	30.6	45.5	63.3	76.2	89.0	150.2	246.1	339.0	387.4
95°	32.6	35.6	45.5	58.3	82.0	102.8	123.5	209.5	371.6	607.8	805.5
97.5°	54.4	54.4	63.3	75.1	95.9	113.7	131.5	199.6	339.0	582.1	861.8
100°	75.1	75.1	82.0	93.9	112.7	128.5	144.3	202.6	314.3	515.9	794.6
102.5°	94.9	96.9	102.8	113.7	131.5	146.3	161.1	212.5	307.4	471.4	710.6
105°	115.6	118.6	123.5	135.4	153.2	167.6	181.9	229.3	311.3	449.7	648.4
107.5°	138.4	140.3	145.3	158.1	174.9	189.2	203.6	247.1	323.2	443.8	607.8
110°	161.1	163.1	168.0	179.9	197.7	211.0	224.4	267.8	337.0	445.7	589.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	182.8	184.8	190.8	201.6	219.4	232.8	246.1	287.6	351.9	451.7	580.2
115°	203.6	206.6	213.5	223.4	242.1	255.4	268.8	308.4	367.7	459.6	578.2
117.5°	225.3	228.3	234.2	245.1	262.9	276.8	290.6	328.1	383.5	467.5	577.2
120°	247.1	249.1	256.0	266.9	283.7	297.5	311.3	348.9	400.3	476.4	577.2
122.5°	266.9	268.8	275.8	285.6	304.4	317.8	331.1	368.7	416.1	485.3	576.2
125°	283.7	287.6	293.5	304.4	323.2	337.0	350.9	386.4	431.9	494.2	575.2
127.5°	299.5	302.4	309.4	321.2	341.0	354.8	368.7	403.3	445.7	501.1	573.2
130°	312.3	316.3	324.2	339.0	357.8	372.1	386.4	420.1	458.6	509.0	572.3
132.5°	325.2	328.1	339.0	352.8	373.6	387.0	400.3	433.9	471.4	515.9	571.3
135°	337.0	341.0	350.9	367.7	388.4	401.2	414.1	446.7	482.3	522.8	570.3
137.5°	348.9	352.8	363.7	379.5	401.3	413.6	426.0	456.6	490.2	526.8	570.3
140°	361.7	364.7	375.6	392.4	413.1	425.0	436.9	466.5	498.1	531.7	569.3
142.5°	375.6	378.5	388.4	404.2	424.0	435.4	446.7	475.4	504.1	535.7	569.3
145°	388.4	391.4	401.3	415.1	433.9	444.8	455.6	481.3	508.0	536.7	567.3
147.5°	403.3	404.2	413.1	428.0	443.8	453.6	463.5	488.2	512.0	537.7	564.4
150°	417.1	418.1	426.0	437.8	452.7	462.0	471.4	493.2	514.9	537.7	561.4
152.5°	429.9	429.9	437.8	448.7	461.6	470.0	478.4	497.1	516.9	535.7	556.4
155°	441.8	442.8	448.7	458.6	469.5	476.9	484.3	501.1	517.9	533.7	551.5
157.5°	453.7	453.7	459.6	467.5	477.4	483.3	489.2	504.1	517.9	531.7	546.6
160°	464.5	464.5	468.5	475.4	483.3	488.8	494.2	506.0	517.9	528.8	540.6
162.5°	474.4	473.4	476.4	482.3	489.2	493.2	497.1	508.0	517.9	525.8	534.7
165°	481.3	481.3	483.3	488.2	493.2	496.2	499.1	508.0	515.9	521.9	528.8
167.5°	489.2	488.2	489.2	493.2	496.2	498.6	501.1	508.0	513.9	517.9	522.8
170°	494.2	493.2	494.2	497.1	499.1	500.6	502.1	507.0	512.0	513.9	516.9
172.5°	499.1	498.1	498.1	500.1	501.1	502.1	503.1	506.0	510.0	510.0	511.0
175°	502.1	501.1	501.1	502.1	503.1	503.1	503.1	505.1	508.0	507.0	507.0
177.5°	504.1	503.1	502.1	503.1	503.1	503.1	503.1	504.1	506.0	504.1	504.1
180°	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3
2.5°	977.2	991.1	997.3	998.9	1007.4	1002.0	1004.3	1003.5	1009.7	1010.5	1010.5
5°	1048.5	1064.8	1070.2	1077.9	1089.5	1092.6	1090.3	1095.0	1103.5	1097.3	1106.6
7.5°	1123.6	1141.5	1153.9	1170.9	1174.8	1184.9	1191.1	1196.5	1198.0	1198.8	1200.4
10°	1193.4	1215.9	1232.9	1261.6	1267.8	1273.2	1300.3	1289.5	1303.4	1298.8	1300.3
12.5°	1250.0	1294.1	1308.1	1356.1	1360.8	1379.4	1377.8	1394.9	1398.0	1404.2	1398.0
15°	1324.4	1375.5	1398.0	1425.1	1440.6	1462.3	1466.2	1489.4	1498.7	1507.2	1498.7
17.5°	1392.5	1419.7	1477.0	1498.7	1508.8	1520.4	1549.9	1558.4	1572.3	1566.9	1582.4
20°	1426.6	1465.4	1525.8	1563.0	1578.5	1589.4	1614.2	1627.4	1632.8	1632.8	1634.3
22.5°	1456.9	1512.7	1557.6	1600.2	1614.2	1621.9	1636.6	1646.7	1649.0	1650.6	1652.1
25°	1484.0	1534.4	1570.8	1594.8	1600.2	1600.2	1608.8	1602.6	1592.5	1600.2	1604.9
27.5°	1484.0	1519.6	1535.9	1544.4	1544.4	1523.5	1511.1	1485.5	1463.8	1457.6	1471.6
30°	1459.2	1475.5	1453.0	1432.1	1415.8	1401.8	1353.0	1314.3	1306.5	1301.1	1322.0
32.5°	1401.8	1380.9	1336.8	1276.3	1252.3	1220.5	1182.5	1153.1	1135.3	1129.1	1124.4
35°	1300.3	1246.1	1188.7	1107.4	1090.3	1050.0	998.1	976.4	947.0	946.2	956.3
37.5°	1189.5	1105.8	1043.8	966.3	942.3	899.7	850.9	828.4	808.3	792.8	811.4
40°	1060.1	987.3	892.7	829.2	795.1	772.6	731.5	706.7	697.4	689.7	701.3
42.5°	939.2	859.4	785.8	720.7	692.8	667.2	640.1	616.1	609.1	608.3	616.8
45°	819.1	740.8	672.6	616.8	599.0	583.5	557.2	550.2	538.6	530.8	534.7
47.5°	723.0	642.4	585.8	543.2	527.7	514.6	497.5	485.9	475.8	472.7	477.4
50°	628.5	574.2	516.1	480.5	468.8	456.4	443.3	432.4	427.8	424.7	427.8
52.5°	552.5	494.4	454.9	426.2	414.6	405.3	396.0	391.3	385.1	386.7	389.8
55°	484.3	433.2	399.9	378.9	372.0	368.1	356.5	351.0	348.7	347.2	348.7
57.5°	420.0	382.8	358.0	340.2	330.9	328.6	319.3	319.3	316.9	314.6	315.4
60°	368.9	337.1	313.1	299.1	297.6	293.7	287.5	286.7	281.3	283.6	284.4
62.5°	316.9	291.4	275.1	266.6	261.2	259.6	255.7	255.0	252.6	253.4	251.9
65°	275.9	255.0	238.7	231.7	229.4	228.6	225.5	223.2	221.6	223.2	221.6
67.5°	234.8	220.9	208.5	201.5	198.4	197.6	195.3	193.7	194.5	192.2	193.7
70°	196.1	182.1	174.4	170.5	168.9	166.6	166.6	166.6	166.6	165.1	164.3
72.5°	165.1	151.1	145.7	143.4	141.8	141.0	138.7	139.5	138.7	137.9	141.0
75°	131.0	122.4	117.0	114.7	116.2	113.9	111.6	113.1	110.8	111.6	114.7
77.5°	99.2	95.3	92.2	90.7	89.1	87.6	87.6	86.0	86.0	86.0	86.0
80°	72.1	71.3	65.9	65.1	65.1	63.5	63.5	63.5	63.5	62.8	63.5
82.5°	48.0	47.3	45.7	44.9	43.4	44.2	44.2	42.6	42.6	41.8	42.6
85°	27.9	27.9	26.3	25.6	24.8	25.6	24.0	23.2	24.0	23.2	24.0
87.5°	13.2	11.6	12.4	11.6	10.1	10.8	9.3	10.1	9.3	8.5	10.1
90°	16.8	17.8	18.8	19.8	19.8	19.8	20.8	21.7	20.8	20.8	20.8
92.5°	322.2	238.2	177.9	140.3	128.0	115.6	100.8	93.9	89.9	89.9	89.9
95°	828.2	732.4	579.2	446.7	398.8	350.9	302.4	271.8	254.0	241.2	254.0
97.5°	1038.8	1054.6	978.5	869.8	814.4	759.1	691.9	632.5	602.9	579.2	602.9
100°	1047.7	1192.0	1211.7	1163.3	1126.8	1090.2	1004.2	943.9	914.2	906.3	914.2
102.5°	973.5	1185.0	1302.7	1332.3	1322.4	1312.5	1268.1	1228.5	1196.9	1191.0	1196.9
105°	880.6	1107.0	1277.9	1375.8	1396.0	1416.3	1418.3	1410.4	1396.6	1390.6	1396.6
107.5°	804.5	1011.1	1195.9	1332.3	1373.8	1415.3	1458.8	1476.6	1484.5	1485.5	1484.5
110°	750.2	926.1	1097.1	1240.4	1294.8	1349.1	1419.3	1460.8	1478.6	1487.5	1478.6

TEST NUMBER: P1001426

CATALOG NUMBER: SA4XXDIP-B575D1035UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	719.5	863.8	1010.1	1143.5	1197.9	1252.3	1334.3	1386.7	1413.4	1429.2	1413.4
115°	702.7	826.3	947.8	1063.5	1111.0	1158.4	1236.4	1295.7	1327.4	1335.3	1327.4
117.5°	693.8	804.5	907.3	1001.2	1042.7	1084.2	1153.4	1204.8	1238.4	1243.4	1238.4
120°	686.9	790.7	882.6	961.7	996.8	1031.8	1088.2	1131.7	1157.4	1168.2	1157.4
122.5°	679.0	778.8	866.8	937.0	966.6	996.3	1041.7	1077.3	1098.1	1108.9	1098.1
125°	670.1	765.0	850.0	918.2	945.4	972.5	1012.1	1040.7	1059.5	1065.5	1059.5
127.5°	658.2	749.2	831.2	899.4	925.1	950.8	990.3	1016.0	1031.8	1037.8	1031.8
130°	647.4	729.4	807.5	874.7	900.9	927.1	967.6	992.3	1008.1	1014.1	1008.1
132.5°	637.5	708.7	780.8	846.0	872.2	898.4	938.0	966.6	981.4	987.4	981.4
135°	627.6	689.9	754.1	814.4	839.1	863.8	903.4	931.0	946.8	952.8	946.8
137.5°	618.7	672.1	728.4	780.8	803.6	826.3	863.8	892.5	905.3	912.3	905.3
140°	611.8	657.3	703.7	748.2	769.0	789.7	824.3	846.0	859.9	867.8	859.9
142.5°	605.9	643.4	683.0	719.5	736.8	754.1	783.8	803.5	815.4	820.3	815.4
145°	598.9	630.6	664.2	693.8	707.6	721.5	746.2	763.0	772.9	777.8	772.9
147.5°	593.0	619.7	647.4	672.1	683.4	694.8	713.6	728.4	736.3	738.3	736.3
150°	586.1	609.8	632.5	652.3	661.2	670.1	685.9	698.8	704.7	705.7	704.7
152.5°	578.2	598.9	617.7	635.5	642.4	649.4	662.2	672.1	675.0	676.0	675.0
155°	570.3	588.1	603.9	618.7	624.7	630.6	640.5	648.4	651.3	651.3	651.3
157.5°	562.4	576.2	590.1	602.9	607.8	612.8	620.7	626.6	628.6	628.6	628.6
160°	553.5	565.3	576.2	587.1	591.0	595.0	600.9	606.9	607.8	607.8	607.8
162.5°	545.6	554.5	563.4	571.3	574.8	578.2	582.1	588.1	589.1	588.1	589.1
165°	536.7	544.6	550.5	557.4	559.9	562.4	566.3	570.3	569.3	568.3	569.3
167.5°	528.8	534.7	539.6	545.6	547.0	548.5	550.5	553.5	553.5	552.5	553.5
170°	520.9	525.8	528.8	532.7	534.2	535.7	537.7	538.7	537.7	537.7	537.7
172.5°	513.9	517.9	519.9	521.9	522.8	523.8	524.8	525.8	524.8	522.8	524.8
175°	509.0	511.0	512.0	513.9	513.9	513.9	513.9	515.9	513.9	512.0	513.9
177.5°	505.1	506.0	507.0	507.0	507.5	508.0	507.0	508.0	506.0	504.1	506.0
180°	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1

TEST NUMBER: P1001426

CATALOG NUMBER: SA4XXDIP-B575D1035UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3
2.5°	1009.0	1006.6	1003.5	1003.5	999.7	999.7	993.5	982.6	973.3	970.2	971.8
5°	1095.0	1095.7	1091.1	1087.2	1080.3	1074.8	1064.8	1045.4	1039.2	1026.8	1018.3
7.5°	1193.4	1190.3	1181.8	1175.6	1174.0	1161.6	1139.9	1116.7	1098.1	1085.7	1067.9
10°	1304.2	1291.8	1279.4	1275.5	1266.2	1245.3	1220.5	1194.9	1169.4	1142.2	1112.0
12.5°	1397.2	1373.2	1372.4	1363.1	1345.3	1333.7	1304.2	1267.8	1223.6	1193.4	1159.3
15°	1497.2	1474.7	1456.1	1439.0	1430.5	1396.4	1371.6	1325.9	1273.2	1240.7	1217.4
17.5°	1568.5	1558.4	1526.6	1518.9	1507.2	1467.7	1428.2	1383.2	1337.5	1291.8	1229.0
20°	1625.8	1619.6	1598.7	1587.8	1569.2	1538.2	1490.2	1438.3	1385.6	1320.5	1261.6
22.5°	1650.6	1642.8	1625.8	1616.5	1604.9	1578.5	1537.5	1478.6	1409.6	1351.5	1288.7
25°	1601.8	1615.7	1611.1	1607.2	1602.6	1587.1	1556.1	1504.1	1436.7	1370.8	1292.6
27.5°	1491.7	1515.8	1539.0	1542.1	1549.9	1556.1	1543.7	1506.5	1449.9	1380.1	1294.1
30°	1343.7	1354.6	1401.8	1415.8	1426.6	1466.2	1489.4	1480.1	1436.7	1373.9	1294.9
32.5°	1153.9	1182.5	1230.6	1263.9	1293.4	1337.5	1398.0	1422.0	1406.5	1355.4	1277.1
35°	974.1	1008.2	1064.0	1106.6	1136.0	1198.8	1270.1	1322.0	1341.4	1315.8	1246.1
37.5°	826.8	867.9	917.5	933.8	967.9	1045.4	1143.8	1215.9	1263.1	1265.5	1211.2
40°	716.0	737.0	776.5	801.3	834.6	899.7	995.8	1091.1	1162.4	1186.4	1157.7
42.5°	622.3	638.5	668.0	698.2	728.4	778.0	866.4	955.5	1051.6	1099.6	1098.8
45°	547.9	564.9	585.1	609.9	630.8	684.3	754.0	845.4	928.4	1002.8	1021.4
47.5°	482.8	497.5	522.3	533.2	547.1	597.5	657.9	743.2	829.2	914.4	936.1
50°	434.7	447.1	464.2	471.2	486.7	523.9	573.4	642.4	737.7	816.0	856.3
52.5°	391.3	400.6	413.8	419.2	430.1	458.0	502.9	557.2	636.2	716.8	773.4
55°	354.1	360.3	369.6	375.8	383.6	408.4	441.7	490.5	558.7	628.5	683.5
57.5°	319.3	323.9	333.2	336.3	342.5	361.9	385.1	426.2	489.0	551.0	604.4
60°	286.7	289.8	295.2	302.2	306.9	320.0	341.7	375.8	426.2	482.8	526.2
62.5°	255.7	260.4	261.9	265.0	268.9	281.3	298.3	323.1	367.3	413.8	459.5
65°	224.0	227.8	230.9	231.7	235.6	244.9	260.4	282.1	310.7	351.0	393.7
67.5°	194.5	196.8	198.4	201.5	205.4	210.0	222.4	238.7	265.0	297.6	331.7
70°	167.4	167.4	169.7	170.5	175.1	180.6	186.0	201.5	224.7	251.1	274.3
72.5°	137.9	141.8	141.0	144.9	144.1	148.0	155.0	165.1	182.1	203.0	225.5
75°	112.4	114.7	114.7	114.7	116.2	119.3	123.2	132.5	145.7	162.7	175.9
77.5°	87.6	89.1	89.1	89.1	89.9	93.0	96.9	103.1	112.4	122.4	130.2
80°	62.8	64.3	64.3	65.9	65.9	66.6	70.5	73.6	78.3	86.0	93.8
82.5°	42.6	43.4	44.9	44.9	44.2	45.7	46.5	49.6	54.2	55.8	61.2
85°	23.2	24.0	24.8	24.8	25.6	27.1	26.3	29.4	29.4	32.5	34.1
87.5°	9.3	10.8	10.8	10.1	10.8	10.8	10.8	12.4	13.2	13.9	13.2
90°	21.7	20.8	19.8	19.8	19.8	18.8	17.8	16.8	17.8	15.8	13.8
92.5°	93.9	100.8	115.6	128.0	140.3	177.9	238.2	322.2	387.4	339.0	246.1
95°	271.8	302.4	350.9	398.8	446.7	579.2	732.4	828.2	805.5	607.8	371.6
97.5°	632.5	691.9	759.1	814.4	869.8	978.5	1054.6	1038.8	861.8	582.1	339.0
100°	943.9	1004.2	1090.2	1126.8	1163.3	1211.7	1192.0	1047.7	794.6	515.9	314.3
102.5°	1228.5	1268.1	1312.5	1322.4	1332.3	1302.7	1185.0	973.5	710.6	471.4	307.4
105°	1410.4	1418.3	1416.3	1396.0	1375.8	1277.9	1107.0	880.6	648.4	449.7	311.3
107.5°	1476.6	1458.8	1415.3	1373.8	1332.3	1195.9	1011.1	804.5	607.8	443.8	323.2
110°	1460.8	1419.3	1349.1	1294.8	1240.4	1097.1	926.1	750.2	589.1	445.7	337.0

TEST NUMBER: P1001426

CATALOG NUMBER: SA4XXDIP-B575D1035UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1386.7	1334.3	1252.3	1197.9	1143.5	1010.1	863.8	719.5	580.2	451.7	351.9
115°	1295.7	1236.4	1158.4	1111.0	1063.5	947.8	826.3	702.7	578.2	459.6	367.7
117.5°	1204.8	1153.4	1084.2	1042.7	1001.2	907.3	804.5	693.8	577.2	467.5	383.5
120°	1131.7	1088.2	1031.8	996.8	961.7	882.6	790.7	686.9	577.2	476.4	400.3
122.5°	1077.3	1041.7	996.3	966.6	937.0	866.8	778.8	679.0	576.2	485.3	416.1
125°	1040.7	1012.1	972.5	945.4	918.2	850.0	765.0	670.1	575.2	494.2	431.9
127.5°	1016.0	990.3	950.8	925.1	899.4	831.2	749.2	658.2	573.2	501.1	445.7
130°	992.3	967.6	927.1	900.9	874.7	807.5	729.4	647.4	572.3	509.0	458.6
132.5°	966.6	938.0	898.4	872.2	846.0	780.8	708.7	637.5	571.3	515.9	471.4
135°	931.0	903.4	863.8	839.1	814.4	754.1	689.9	627.6	570.3	522.8	482.3
137.5°	892.5	863.8	826.3	803.6	780.8	728.4	672.1	618.7	570.3	526.8	490.2
140°	846.0	824.3	789.7	769.0	748.2	703.7	657.3	611.8	569.3	531.7	498.1
142.5°	803.5	783.8	754.1	736.8	719.5	683.0	643.4	605.9	569.3	535.7	504.1
145°	763.0	746.2	721.5	707.6	693.8	664.2	630.6	598.9	567.3	536.7	508.0
147.5°	728.4	713.6	694.8	683.4	672.1	647.4	619.7	593.0	564.4	537.7	512.0
150°	698.8	685.9	670.1	661.2	652.3	632.5	609.8	586.1	561.4	537.7	514.9
152.5°	672.1	662.2	649.4	642.4	635.5	617.7	598.9	578.2	556.4	535.7	516.9
155°	648.4	640.5	630.6	624.7	618.7	603.9	588.1	570.3	551.5	533.7	517.9
157.5°	626.6	620.7	612.8	607.8	602.9	590.1	576.2	562.4	546.6	531.7	517.9
160°	606.9	600.9	595.0	591.0	587.1	576.2	565.3	553.5	540.6	528.8	517.9
162.5°	588.1	582.1	578.2	574.8	571.3	563.4	554.5	545.6	534.7	525.8	517.9
165°	570.3	566.3	562.4	559.9	557.4	550.5	544.6	536.7	528.8	521.9	515.9
167.5°	553.5	550.5	548.5	547.0	545.6	539.6	534.7	528.8	522.8	517.9	513.9
170°	538.7	537.7	535.7	534.2	532.7	528.8	525.8	520.9	516.9	513.9	512.0
172.5°	525.8	524.8	523.8	522.8	521.9	519.9	517.9	513.9	511.0	510.0	510.0
175°	515.9	513.9	513.9	513.9	513.9	512.0	511.0	509.0	507.0	507.0	508.0
177.5°	508.0	507.0	508.0	507.5	507.0	507.0	506.0	505.1	504.1	504.1	506.0
180°	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1

TEST NUMBER: P1001426

CATALOG NUMBER: SA4XXDIP-B575D1035UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3
2.5°	964.8	961.7	959.4	959.4	952.4	945.4	941.5	940.0	938.4	932.2	923.7
5°	1004.3	994.2	987.3	980.3	968.7	956.3	943.9	936.9	926.8	912.9	902.8
7.5°	1048.5	1024.5	1016.7	1008.2	984.9	964.0	947.0	932.2	916.0	898.1	880.3
10°	1085.7	1060.1	1043.1	1028.3	998.1	970.2	944.6	922.9	902.0	878.8	857.1
12.5°	1121.3	1084.9	1067.1	1045.4	1013.6	973.3	940.0	912.9	881.9	857.8	831.5
15°	1170.9	1109.7	1080.3	1066.3	1023.7	976.4	936.1	895.8	870.2	833.8	810.6
17.5°	1178.7	1129.1	1109.7	1074.1	1022.9	969.4	922.9	882.6	843.9	811.4	781.1
20°	1205.8	1140.7	1109.7	1087.2	1019.8	965.6	914.4	862.5	825.3	790.4	756.3
22.5°	1222.8	1149.2	1116.7	1081.0	1016.7	951.6	891.2	846.2	800.5	764.9	737.7
25°	1218.2	1144.6	1108.1	1074.8	996.6	931.5	877.2	819.9	777.3	738.5	702.9
27.5°	1215.9	1132.9	1094.2	1057.0	983.4	915.2	847.0	800.5	753.2	708.3	681.9
30°	1209.7	1118.2	1073.3	1033.0	956.3	885.0	826.8	772.6	725.3	684.3	649.4
32.5°	1188.7	1093.4	1050.0	1006.6	926.8	855.5	796.6	746.3	699.0	656.4	623.0
35°	1160.8	1064.0	1016.7	971.0	891.2	819.1	764.9	712.2	668.0	626.9	595.1
37.5°	1132.9	1029.9	985.7	933.0	859.4	784.2	728.4	681.2	640.1	597.5	562.6
40°	1092.6	989.6	940.8	895.8	809.8	739.3	688.1	645.5	605.2	564.9	535.5
42.5°	1037.6	945.4	895.0	845.4	764.9	695.1	645.5	607.5	569.6	536.3	503.7
45°	981.8	891.9	847.0	802.8	715.3	649.4	603.7	568.8	537.0	500.6	474.3
47.5°	914.4	838.5	793.5	750.1	667.2	601.3	559.5	527.0	497.5	467.3	442.5
50°	845.4	779.6	738.5	693.6	614.5	554.8	513.8	486.7	462.6	434.0	413.8
52.5°	771.1	713.7	678.8	635.4	565.7	510.7	468.8	441.7	421.6	400.6	382.8
55°	692.0	650.2	613.0	578.1	512.2	462.6	425.4	401.4	387.5	368.1	352.6
57.5°	620.7	580.4	557.9	518.4	461.1	412.3	382.8	362.7	346.4	334.8	322.4
60°	546.3	513.8	489.0	460.3	409.9	368.9	337.9	326.2	309.2	300.7	295.2
62.5°	475.0	451.8	428.5	406.8	361.9	323.1	299.9	285.2	275.1	266.6	261.9
65°	407.6	385.9	369.6	350.3	313.1	282.1	260.4	248.8	238.7	236.4	230.9
67.5°	341.7	332.4	314.6	299.1	267.4	243.3	227.1	212.3	206.9	204.6	199.9
70°	285.9	275.1	261.2	248.0	224.0	203.0	188.3	182.9	175.1	174.4	168.9
72.5°	235.6	222.4	212.3	202.3	184.4	165.8	158.1	150.3	146.5	143.4	141.0
75°	186.8	177.5	170.5	162.0	146.5	134.1	123.2	120.1	117.8	117.0	115.5
77.5°	139.5	133.3	130.2	121.7	110.8	100.0	95.3	90.7	90.7	89.1	89.9
80°	99.2	95.3	91.4	86.8	77.5	72.8	69.0	65.9	64.3	63.5	64.3
82.5°	62.8	60.4	59.7	56.6	50.4	48.0	44.9	42.6	42.6	42.6	42.6
85°	34.9	34.9	34.9	30.2	27.9	25.6	24.0	23.2	23.2	23.2	24.0
87.5°	14.7	14.7	12.4	12.4	11.6	10.1	9.3	9.3	10.1	10.1	10.8
90°	13.8	7.9	7.9	7.9	6.9	5.9	3.0	1.0	3.0	5.9	6.9
92.5°	150.2	89.0	76.2	63.3	45.5	30.6	19.8	13.8	19.8	30.6	45.5
95°	209.5	123.5	102.8	82.0	58.3	45.5	35.6	32.6	35.6	45.5	58.3
97.5°	199.6	131.5	113.7	95.9	75.1	63.3	54.4	54.4	54.4	63.3	75.1
100°	202.6	144.3	128.5	112.7	93.9	82.0	75.1	75.1	75.1	82.0	93.9
102.5°	212.5	161.1	146.3	131.5	113.7	102.8	96.9	94.9	96.9	102.8	113.7
105°	229.3	181.9	167.6	153.2	135.4	123.5	118.6	115.6	118.6	123.5	135.4
107.5°	247.1	203.6	189.2	174.9	158.1	145.3	140.3	138.4	140.3	145.3	158.1
110°	267.8	224.4	211.0	197.7	179.9	168.0	163.1	161.1	163.1	168.0	179.9

TEST NUMBER: P1001426

CATALOG NUMBER: SA4XXDIP-B575D1035UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	287.6	246.1	232.8	219.4	201.6	190.8	184.8	182.8	184.8	190.8	201.6
115°	308.4	268.8	255.4	242.1	223.4	213.5	206.6	203.6	206.6	213.5	223.4
117.5°	328.1	290.6	276.8	262.9	245.1	234.2	228.3	225.3	228.3	234.2	245.1
120°	348.9	311.3	297.5	283.7	266.9	256.0	249.1	247.1	249.1	256.0	266.9
122.5°	368.7	331.1	317.8	304.4	285.6	275.8	268.8	266.9	268.8	275.8	285.6
125°	386.4	350.9	337.0	323.2	304.4	293.5	287.6	283.7	287.6	293.5	304.4
127.5°	403.3	368.7	354.8	341.0	321.2	309.4	302.4	299.5	302.4	309.4	321.2
130°	420.1	386.4	372.1	357.8	339.0	324.2	316.3	312.3	316.3	324.2	339.0
132.5°	433.9	400.3	387.0	373.6	352.8	339.0	328.1	325.2	328.1	339.0	352.8
135°	446.7	414.1	401.2	388.4	367.7	350.9	341.0	337.0	341.0	350.9	367.7
137.5°	456.6	426.0	413.6	401.3	379.5	363.7	352.8	348.9	352.8	363.7	379.5
140°	466.5	436.9	425.0	413.1	392.4	375.6	364.7	361.7	364.7	375.6	392.4
142.5°	475.4	446.7	435.4	424.0	404.2	388.4	378.5	375.6	378.5	388.4	404.2
145°	481.3	455.6	444.8	433.9	415.1	401.3	391.4	388.4	391.4	401.3	415.1
147.5°	488.2	463.5	453.6	443.8	428.0	413.1	404.2	403.3	404.2	413.1	428.0
150°	493.2	471.4	462.0	452.7	437.8	426.0	418.1	417.1	418.1	426.0	437.8
152.5°	497.1	478.4	470.0	461.6	448.7	437.8	429.9	429.9	429.9	437.8	448.7
155°	501.1	484.3	476.9	469.5	458.6	448.7	442.8	441.8	442.8	448.7	458.6
157.5°	504.1	489.2	483.3	477.4	467.5	459.6	453.7	453.7	453.7	459.6	467.5
160°	506.0	494.2	488.8	483.3	475.4	468.5	464.5	464.5	464.5	468.5	475.4
162.5°	508.0	497.1	493.2	489.2	482.3	476.4	473.4	474.4	473.4	476.4	482.3
165°	508.0	499.1	496.2	493.2	488.2	483.3	481.3	481.3	481.3	483.3	488.2
167.5°	508.0	501.1	498.6	496.2	493.2	489.2	488.2	489.2	488.2	489.2	493.2
170°	507.0	502.1	500.6	499.1	497.1	494.2	493.2	494.2	493.2	494.2	497.1
172.5°	506.0	503.1	502.1	501.1	500.1	498.1	498.1	499.1	498.1	498.1	500.1
175°	505.1	503.1	503.1	503.1	502.1	501.1	501.1	502.1	501.1	501.1	502.1
177.5°	504.1	503.1	503.1	503.1	503.1	502.1	503.1	504.1	503.1	502.1	503.1
180°	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1

TEST NUMBER: P1001426

CATALOG NUMBER: SA4XXDIP-B575D1035UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3
2.5°	921.4	918.3	919.8	912.1	905.1	895.0	886.5	885.0	883.4	888.1	885.0
5°	895.0	891.2	887.3	878.0	864.0	855.5	843.1	842.3	837.7	830.7	832.3
7.5°	866.4	864.0	858.6	843.9	831.5	816.8	806.7	798.2	794.3	788.1	785.8
10°	843.1	834.6	829.9	813.7	799.0	783.5	770.3	764.1	757.1	751.7	747.8
12.5°	811.4	809.0	795.9	782.7	770.3	752.5	742.4	724.6	715.3	719.9	718.4
15°	790.4	779.6	776.5	757.9	737.0	725.3	706.7	695.1	691.2	684.3	675.7
17.5°	762.5	755.6	744.7	727.7	703.6	687.4	674.2	663.3	658.7	649.4	642.4
20°	736.2	724.6	716.0	700.5	677.3	656.4	640.1	633.1	621.5	613.7	609.9
22.5°	712.2	703.6	691.2	668.0	647.8	627.7	608.3	598.2	587.4	582.7	576.5
25°	682.7	668.8	660.2	634.7	613.0	596.7	578.9	565.7	559.5	551.7	550.2
27.5°	654.0	640.9	630.8	608.3	582.0	561.0	550.2	540.9	530.1	530.1	526.2
30°	625.4	616.1	600.6	578.9	554.1	533.9	521.5	513.0	509.1	506.0	505.3
32.5°	596.7	584.3	575.0	545.5	527.0	508.4	499.1	492.1	487.4	486.7	487.4
35°	567.2	553.3	544.0	517.7	499.1	482.0	478.1	471.9	469.6	468.8	472.7
37.5°	536.3	525.4	513.8	492.1	471.2	461.1	453.3	451.0	450.2	454.9	456.4
40°	507.6	498.3	487.4	464.2	448.7	437.8	434.0	431.6	434.7	439.4	441.7
42.5°	480.5	467.3	458.8	437.8	423.9	417.7	413.0	413.0	416.1	421.6	425.4
45°	451.8	441.7	433.2	414.6	402.2	395.2	394.4	395.2	399.1	403.0	407.6
47.5°	423.9	413.8	404.5	389.0	378.2	374.3	373.5	374.3	380.5	385.9	391.3
50°	398.3	387.5	378.9	364.2	355.7	351.0	351.8	355.7	360.3	368.1	375.1
52.5°	368.1	360.3	352.6	339.4	331.7	328.6	330.9	334.0	342.5	347.9	356.5
55°	338.6	331.7	325.5	315.4	309.2	306.9	308.4	313.1	320.0	329.3	339.4
57.5°	311.5	303.8	297.6	290.6	283.6	284.4	285.2	291.4	299.9	308.4	320.0
60°	281.3	276.6	271.2	262.7	259.6	259.6	261.9	268.9	276.6	290.6	300.7
62.5°	254.2	248.0	244.1	238.7	234.0	234.8	240.2	246.4	255.7	267.4	280.5
65°	226.3	219.3	216.2	211.6	210.0	210.8	214.7	224.0	234.0	244.1	256.5
67.5°	195.3	193.0	189.9	185.2	186.8	187.5	191.4	199.2	210.0	220.1	234.0
70°	168.9	164.3	163.5	159.6	159.6	162.0	169.7	175.1	185.2	196.1	210.8
72.5°	141.0	137.2	137.2	134.1	136.4	138.7	142.6	150.3	159.6	170.5	182.9
75°	112.4	110.8	112.4	110.8	110.8	114.7	119.3	125.5	135.6	147.2	157.3
77.5°	86.8	86.8	86.0	88.3	88.3	90.7	96.9	103.1	110.8	120.1	131.0
80°	63.5	63.5	63.5	65.9	68.2	68.2	72.1	79.8	86.8	93.0	103.1
82.5°	43.4	43.4	43.4	44.9	48.0	48.0	52.7	57.3	65.1	70.5	75.2
85°	26.3	26.3	25.6	27.1	27.9	30.2	34.1	37.2	41.1	45.7	50.4
87.5°	11.6	11.6	12.4	13.2	13.9	15.5	17.0	18.6	22.5	24.0	26.3
90°	7.9	7.9	7.9	13.8	13.8	15.8	17.8	16.8	17.8	18.8	19.8
92.5°	63.3	76.2	89.0	150.2	246.1	339.0	387.4	322.2	238.2	177.9	140.3
95°	82.0	102.8	123.5	209.5	371.6	607.8	805.5	828.2	732.4	579.2	446.7
97.5°	95.9	113.7	131.5	199.6	339.0	582.1	861.8	1038.8	1054.6	978.5	869.8
100°	112.7	128.5	144.3	202.6	314.3	515.9	794.6	1047.7	1192.0	1211.7	1163.3
102.5°	131.5	146.3	161.1	212.5	307.4	471.4	710.6	973.5	1185.0	1302.7	1332.3
105°	153.2	167.6	181.9	229.3	311.3	449.7	648.4	880.6	1107.0	1277.9	1375.8
107.5°	174.9	189.2	203.6	247.1	323.2	443.8	607.8	804.5	1011.1	1195.9	1332.3
110°	197.7	211.0	224.4	267.8	337.0	445.7	589.1	750.2	926.1	1097.1	1240.4

TEST NUMBER: P1001426

CATALOG NUMBER: SA4XXDIP-B575D1035UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	219.4	232.8	246.1	287.6	351.9	451.7	580.2	719.5	863.8	1010.1	1143.5
115°	242.1	255.4	268.8	308.4	367.7	459.6	578.2	702.7	826.3	947.8	1063.5
117.5°	262.9	276.8	290.6	328.1	383.5	467.5	577.2	693.8	804.5	907.3	1001.2
120°	283.7	297.5	311.3	348.9	400.3	476.4	577.2	686.9	790.7	882.6	961.7
122.5°	304.4	317.8	331.1	368.7	416.1	485.3	576.2	679.0	778.8	866.8	937.0
125°	323.2	337.0	350.9	386.4	431.9	494.2	575.2	670.1	765.0	850.0	918.2
127.5°	341.0	354.8	368.7	403.3	445.7	501.1	573.2	658.2	749.2	831.2	899.4
130°	357.8	372.1	386.4	420.1	458.6	509.0	572.3	647.4	729.4	807.5	874.7
132.5°	373.6	387.0	400.3	433.9	471.4	515.9	571.3	637.5	708.7	780.8	846.0
135°	388.4	401.2	414.1	446.7	482.3	522.8	570.3	627.6	689.9	754.1	814.4
137.5°	401.3	413.6	426.0	456.6	490.2	526.8	570.3	618.7	672.1	728.4	780.8
140°	413.1	425.0	436.9	466.5	498.1	531.7	569.3	611.8	657.3	703.7	748.2
142.5°	424.0	435.4	446.7	475.4	504.1	535.7	569.3	605.9	643.4	683.0	719.5
145°	433.9	444.8	455.6	481.3	508.0	536.7	567.3	598.9	630.6	664.2	693.8
147.5°	443.8	453.6	463.5	488.2	512.0	537.7	564.4	593.0	619.7	647.4	672.1
150°	452.7	462.0	471.4	493.2	514.9	537.7	561.4	586.1	609.8	632.5	652.3
152.5°	461.6	470.0	478.4	497.1	516.9	535.7	556.4	578.2	598.9	617.7	635.5
155°	469.5	476.9	484.3	501.1	517.9	533.7	551.5	570.3	588.1	603.9	618.7
157.5°	477.4	483.3	489.2	504.1	517.9	531.7	546.6	562.4	576.2	590.1	602.9
160°	483.3	488.8	494.2	506.0	517.9	528.8	540.6	553.5	565.3	576.2	587.1
162.5°	489.2	493.2	497.1	508.0	517.9	525.8	534.7	545.6	554.5	563.4	571.3
165°	493.2	496.2	499.1	508.0	515.9	521.9	528.8	536.7	544.6	550.5	557.4
167.5°	496.2	498.6	501.1	508.0	513.9	517.9	522.8	528.8	534.7	539.6	545.6
170°	499.1	500.6	502.1	507.0	512.0	513.9	516.9	520.9	525.8	528.8	532.7
172.5°	501.1	502.1	503.1	506.0	510.0	510.0	511.0	513.9	517.9	519.9	521.9
175°	503.1	503.1	503.1	505.1	508.0	507.0	507.0	509.0	511.0	512.0	513.9
177.5°	503.1	503.1	503.1	504.1	506.0	504.1	504.1	505.1	506.0	507.0	507.0
180°	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1

TEST NUMBER: P1001426

CATALOG NUMBER: SA4XXDIP-B575D1035UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3
2.5°	882.6	881.9	878.0	879.5	874.9	876.4	878.8	879.5	882.6	880.3	879.5
5°	828.4	826.8	824.5	822.2	821.4	824.5	819.1	820.6	822.2	824.5	827.6
7.5°	784.2	783.5	781.1	777.3	775.7	774.2	774.9	780.4	779.6	778.8	784.2
10°	743.9	744.7	740.1	739.3	734.6	733.9	734.6	736.2	738.5	741.6	742.4
12.5°	702.1	712.2	703.6	700.5	693.6	697.4	699.0	692.0	695.9	698.2	709.8
15°	675.7	671.1	665.7	665.7	662.6	661.0	657.1	662.6	665.7	670.3	668.8
17.5°	639.3	631.6	628.5	625.4	626.1	629.2	620.7	633.1	633.1	635.4	631.6
20°	607.5	601.3	597.5	595.9	593.6	592.0	591.3	594.4	599.0	600.6	604.4
22.5°	574.2	574.2	568.0	565.7	564.1	561.8	565.7	563.4	566.5	569.6	575.8
25°	546.3	546.3	544.0	540.9	538.6	537.0	539.4	538.6	540.9	544.8	546.3
27.5°	523.9	521.5	520.8	520.0	519.2	520.0	519.2	521.5	523.9	524.6	523.1
30°	504.5	502.2	502.9	502.9	503.7	502.9	502.2	504.5	505.3	503.7	504.5
32.5°	486.7	486.7	488.2	489.0	489.0	489.8	490.5	489.0	489.8	487.4	488.2
35°	471.9	473.5	475.0	475.8	476.6	475.8	477.4	476.6	475.0	473.5	472.7
37.5°	457.2	458.8	461.9	462.6	465.0	465.7	464.2	464.2	463.4	460.3	458.8
40°	441.7	443.3	447.1	449.5	451.0	453.3	451.8	451.8	448.7	445.6	443.3
42.5°	427.0	430.1	434.0	436.3	439.4	439.4	439.4	437.8	434.0	430.9	428.5
45°	412.3	413.0	418.5	422.3	425.4	425.4	425.4	423.1	420.8	414.6	411.5
47.5°	396.0	398.3	404.5	408.4	411.5	412.3	412.3	409.9	405.3	399.9	396.0
50°	378.2	382.0	389.0	394.4	398.3	399.9	397.5	396.0	390.6	384.4	379.7
52.5°	361.1	365.8	374.3	378.9	384.4	385.1	384.4	382.0	375.8	367.3	363.4
55°	344.1	347.9	357.2	365.0	369.6	371.2	369.6	365.8	358.0	349.5	345.6
57.5°	325.5	330.9	341.0	348.7	354.1	354.9	353.4	349.5	343.3	332.4	327.0
60°	306.1	313.1	323.1	330.9	337.9	338.6	337.1	331.7	323.9	313.1	308.4
62.5°	286.7	292.1	303.8	312.3	317.7	321.6	318.5	313.1	305.3	294.5	287.5
65°	264.3	272.0	282.1	289.8	296.0	296.8	295.2	290.6	282.1	270.5	265.0
67.5°	242.6	248.0	258.1	268.1	270.5	272.8	270.5	265.8	258.8	248.8	241.0
70°	216.2	220.9	233.3	240.2	243.3	245.7	244.1	239.5	233.3	224.0	217.8
72.5°	189.9	193.7	205.4	210.8	217.0	216.2	215.4	212.3	203.8	197.6	193.7
75°	162.0	166.6	174.4	181.3	183.7	183.7	183.7	181.3	175.9	165.8	162.0
77.5°	136.4	138.7	144.9	148.8	151.1	151.9	151.1	147.2	144.1	137.2	134.8
80°	104.6	110.8	115.5	116.2	119.3	119.3	119.3	117.8	114.7	107.7	106.9
82.5°	79.0	80.6	85.2	87.6	89.1	88.3	88.3	85.2	84.5	80.6	79.0
85°	53.5	55.8	55.0	58.1	58.9	57.3	57.3	58.9	55.0	55.8	53.5
87.5°	29.4	29.4	31.0	30.2	33.3	33.3	31.8	32.5	31.0	30.2	29.4
90°	19.8	19.8	20.8	21.7	20.8	20.8	20.8	21.7	20.8	19.8	19.8
92.5°	128.0	115.6	100.8	93.9	89.9	89.9	89.9	93.9	100.8	115.6	128.0
95°	398.8	350.9	302.4	271.8	254.0	241.2	254.0	271.8	302.4	350.9	398.8
97.5°	814.4	759.1	691.9	632.5	602.9	579.2	602.9	632.5	691.9	759.1	814.4
100°	1126.8	1090.2	1004.2	943.9	914.2	906.3	914.2	943.9	1004.2	1090.2	1126.8
102.5°	1322.4	1312.5	1268.1	1228.5	1196.9	1191.0	1196.9	1228.5	1268.1	1312.5	1322.4
105°	1396.0	1416.3	1418.3	1410.4	1396.6	1390.6	1396.6	1410.4	1418.3	1416.3	1396.0
107.5°	1373.8	1415.3	1458.8	1476.6	1484.5	1485.5	1484.5	1476.6	1458.8	1415.3	1373.8
110°	1294.8	1349.1	1419.3	1460.8	1478.6	1487.5	1478.6	1460.8	1419.3	1349.1	1294.8

TEST NUMBER: P1001426

CATALOG NUMBER: SA4XXDIP-B575D1035UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1197.9	1252.3	1334.3	1386.7	1413.4	1429.2	1413.4	1386.7	1334.3	1252.3	1197.9
115°	1111.0	1158.4	1236.4	1295.7	1327.4	1335.3	1327.4	1295.7	1236.4	1158.4	1111.0
117.5°	1042.7	1084.2	1153.4	1204.8	1238.4	1243.4	1238.4	1204.8	1153.4	1084.2	1042.7
120°	996.8	1031.8	1088.2	1131.7	1157.4	1168.2	1157.4	1131.7	1088.2	1031.8	996.8
122.5°	966.6	996.3	1041.7	1077.3	1098.1	1108.9	1098.1	1077.3	1041.7	996.3	966.6
125°	945.4	972.5	1012.1	1040.7	1059.5	1065.5	1059.5	1040.7	1012.1	972.5	945.4
127.5°	925.1	950.8	990.3	1016.0	1031.8	1037.8	1031.8	1016.0	990.3	950.8	925.1
130°	900.9	927.1	967.6	992.3	1008.1	1014.1	1008.1	992.3	967.6	927.1	900.9
132.5°	872.2	898.4	938.0	966.6	981.4	987.4	981.4	966.6	938.0	898.4	872.2
135°	839.1	863.8	903.4	931.0	946.8	952.8	946.8	931.0	903.4	863.8	839.1
137.5°	803.6	826.3	863.8	892.5	905.3	912.3	905.3	892.5	863.8	826.3	803.6
140°	769.0	789.7	824.3	846.0	859.9	867.8	859.9	846.0	824.3	789.7	769.0
142.5°	736.8	754.1	783.8	803.5	815.4	820.3	815.4	803.5	783.8	754.1	736.8
145°	707.6	721.5	746.2	763.0	772.9	777.8	772.9	763.0	746.2	721.5	707.6
147.5°	683.4	694.8	713.6	728.4	736.3	738.3	736.3	728.4	713.6	694.8	683.4
150°	661.2	670.1	685.9	698.8	704.7	705.7	704.7	698.8	685.9	670.1	661.2
152.5°	642.4	649.4	662.2	672.1	675.0	676.0	675.0	672.1	662.2	649.4	642.4
155°	624.7	630.6	640.5	648.4	651.3	651.3	651.3	648.4	640.5	630.6	624.7
157.5°	607.8	612.8	620.7	626.6	628.6	628.6	628.6	626.6	620.7	612.8	607.8
160°	591.0	595.0	600.9	606.9	607.8	607.8	607.8	606.9	600.9	595.0	591.0
162.5°	574.8	578.2	582.1	588.1	589.1	588.1	589.1	588.1	582.1	578.2	574.8
165°	559.9	562.4	566.3	570.3	569.3	568.3	569.3	570.3	566.3	562.4	559.9
167.5°	547.0	548.5	550.5	553.5	553.5	552.5	553.5	553.5	550.5	548.5	547.0
170°	534.2	535.7	537.7	538.7	537.7	537.7	537.7	538.7	537.7	535.7	534.2
172.5°	522.8	523.8	524.8	525.8	524.8	522.8	524.8	525.8	524.8	523.8	522.8
175°	513.9	513.9	513.9	515.9	513.9	512.0	513.9	515.9	513.9	513.9	513.9
177.5°	507.5	508.0	507.0	508.0	506.0	504.1	506.0	508.0	507.0	508.0	507.5
180°	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1

TEST NUMBER: P1001426

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3
2.5°	879.5	884.2	879.5	882.6	884.2	888.1	889.6	896.6	898.9	904.3	904.3
5°	826.8	829.2	829.9	833.0	836.1	843.9	849.3	859.4	871.0	872.6	879.5
7.5°	784.2	788.1	794.3	792.0	797.4	809.0	816.0	828.4	840.0	846.2	854.7
10°	746.3	750.9	753.2	755.6	765.6	775.7	786.6	795.1	810.6	819.9	826.8
12.5°	715.3	711.4	716.0	724.6	736.2	742.4	757.1	770.3	781.9	792.0	798.2
15°	675.0	678.1	682.7	697.4	700.5	716.0	721.5	736.2	757.9	767.2	774.9
17.5°	636.2	646.3	655.6	661.0	670.3	682.7	698.2	714.5	728.4	739.3	748.6
20°	605.2	615.3	620.7	624.6	633.9	650.9	665.7	685.8	703.6	712.2	724.6
22.5°	580.4	580.4	588.2	599.8	605.2	621.5	633.9	655.6	675.0	685.8	697.4
25°	549.4	554.1	560.3	570.3	578.1	591.3	609.1	627.7	648.6	657.9	672.6
27.5°	523.9	529.3	537.8	540.1	547.9	559.5	578.1	598.2	619.9	630.0	642.4
30°	504.5	507.6	510.7	515.3	522.3	532.4	547.9	565.7	592.0	599.8	615.3
32.5°	487.4	489.0	490.5	494.4	498.3	508.4	520.8	540.1	561.8	573.4	587.4
35°	471.9	470.4	471.2	473.5	477.4	481.2	494.4	510.7	530.8	544.8	555.6
37.5°	457.2	454.1	453.3	453.3	454.9	459.5	469.6	483.6	505.3	516.9	527.7
40°	440.9	437.8	436.3	435.5	434.7	437.8	445.6	459.5	476.6	487.4	499.8
42.5°	425.4	422.3	418.5	417.7	416.1	417.7	423.1	436.3	451.0	461.9	471.9
45°	409.9	404.5	399.9	396.8	397.5	395.2	399.1	409.2	426.2	433.2	443.3
47.5°	392.9	386.7	380.5	377.4	374.3	375.8	377.4	385.9	400.6	407.6	417.7
50°	376.6	368.1	361.1	357.2	354.9	353.4	354.9	363.4	374.3	380.5	389.0
52.5°	358.0	349.5	342.5	336.3	333.2	330.9	331.7	339.4	349.5	355.7	364.2
55°	341.0	330.1	320.8	313.1	310.7	310.0	309.2	314.6	323.1	329.3	336.3
57.5°	321.6	310.7	300.7	291.4	286.7	285.9	285.9	287.5	298.3	303.0	306.9
60°	302.2	290.6	279.7	271.2	264.3	261.9	261.2	264.3	269.7	274.3	279.7
62.5°	280.5	268.9	255.7	248.0	241.0	234.8	237.1	237.9	245.7	248.0	252.6
65°	259.6	246.4	235.6	223.2	215.4	211.6	210.0	211.6	217.8	218.5	221.6
67.5°	235.6	223.2	210.0	201.5	194.5	187.5	186.0	186.0	189.1	191.4	195.3
70°	212.3	199.9	185.2	175.9	168.9	162.7	160.4	159.6	162.0	163.5	167.4
72.5°	185.2	172.8	162.0	151.9	143.4	138.7	136.4	134.8	137.2	138.7	139.5
75°	156.5	146.5	135.6	125.5	120.1	115.5	112.4	110.0	111.6	111.6	111.6
77.5°	129.4	119.3	110.8	103.8	96.9	91.4	89.1	86.8	87.6	87.6	89.1
80°	100.7	93.8	86.8	80.6	74.4	69.7	68.2	65.9	64.3	63.5	63.5
82.5°	74.4	69.0	62.8	57.3	54.2	49.6	48.0	44.9	44.9	44.2	44.2
85°	49.6	46.5	40.3	36.4	34.1	31.8	30.2	28.7	26.3	26.3	25.6
87.5°	26.3	24.8	23.2	18.6	18.6	16.3	15.5	14.7	12.4	13.2	13.2
90°	19.8	18.8	17.8	16.8	17.8	15.8	13.8	13.8	7.9	7.9	7.9
92.5°	140.3	177.9	238.2	322.2	387.4	339.0	246.1	150.2	89.0	76.2	63.3
95°	446.7	579.2	732.4	828.2	805.5	607.8	371.6	209.5	123.5	102.8	82.0
97.5°	869.8	978.5	1054.6	1038.8	861.8	582.1	339.0	199.6	131.5	113.7	95.9
100°	1163.3	1211.7	1192.0	1047.7	794.6	515.9	314.3	202.6	144.3	128.5	112.7
102.5°	1332.3	1302.7	1185.0	973.5	710.6	471.4	307.4	212.5	161.1	146.3	131.5
105°	1375.8	1277.9	1107.0	880.6	648.4	449.7	311.3	229.3	181.9	167.6	153.2
107.5°	1332.3	1195.9	1011.1	804.5	607.8	443.8	323.2	247.1	203.6	189.2	174.9
110°	1240.4	1097.1	926.1	750.2	589.1	445.7	337.0	267.8	224.4	211.0	197.7

TEST NUMBER: P1001426

CATALOG NUMBER: SA4XXDIP-B575D1035UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1143.5	1010.1	863.8	719.5	580.2	451.7	351.9	287.6	246.1	232.8	219.4
115°	1063.5	947.8	826.3	702.7	578.2	459.6	367.7	308.4	268.8	255.4	242.1
117.5°	1001.2	907.3	804.5	693.8	577.2	467.5	383.5	328.1	290.6	276.8	262.9
120°	961.7	882.6	790.7	686.9	577.2	476.4	400.3	348.9	311.3	297.5	283.7
122.5°	937.0	866.8	778.8	679.0	576.2	485.3	416.1	368.7	331.1	317.8	304.4
125°	918.2	850.0	765.0	670.1	575.2	494.2	431.9	386.4	350.9	337.0	323.2
127.5°	899.4	831.2	749.2	658.2	573.2	501.1	445.7	403.3	368.7	354.8	341.0
130°	874.7	807.5	729.4	647.4	572.3	509.0	458.6	420.1	386.4	372.1	357.8
132.5°	846.0	780.8	708.7	637.5	571.3	515.9	471.4	433.9	400.3	387.0	373.6
135°	814.4	754.1	689.9	627.6	570.3	522.8	482.3	446.7	414.1	401.2	388.4
137.5°	780.8	728.4	672.1	618.7	570.3	526.8	490.2	456.6	426.0	413.6	401.3
140°	748.2	703.7	657.3	611.8	569.3	531.7	498.1	466.5	436.9	425.0	413.1
142.5°	719.5	683.0	643.4	605.9	569.3	535.7	504.1	475.4	446.7	435.4	424.0
145°	693.8	664.2	630.6	598.9	567.3	536.7	508.0	481.3	455.6	444.8	433.9
147.5°	672.1	647.4	619.7	593.0	564.4	537.7	512.0	488.2	463.5	453.6	443.8
150°	652.3	632.5	609.8	586.1	561.4	537.7	514.9	493.2	471.4	462.0	452.7
152.5°	635.5	617.7	598.9	578.2	556.4	535.7	516.9	497.1	478.4	470.0	461.6
155°	618.7	603.9	588.1	570.3	551.5	533.7	517.9	501.1	484.3	476.9	469.5
157.5°	602.9	590.1	576.2	562.4	546.6	531.7	517.9	504.1	489.2	483.3	477.4
160°	587.1	576.2	565.3	553.5	540.6	528.8	517.9	506.0	494.2	488.8	483.3
162.5°	571.3	563.4	554.5	545.6	534.7	525.8	517.9	508.0	497.1	493.2	489.2
165°	557.4	550.5	544.6	536.7	528.8	521.9	515.9	508.0	499.1	496.2	493.2
167.5°	545.6	539.6	534.7	528.8	522.8	517.9	513.9	508.0	501.1	498.6	496.2
170°	532.7	528.8	525.8	520.9	516.9	513.9	512.0	507.0	502.1	500.6	499.1
172.5°	521.9	519.9	517.9	513.9	511.0	510.0	510.0	506.0	503.1	502.1	501.1
175°	513.9	512.0	511.0	509.0	507.0	507.0	508.0	505.1	503.1	503.1	503.1
177.5°	507.0	507.0	506.0	505.1	504.1	504.1	506.0	504.1	503.1	503.1	503.1
180°	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1

TEST NUMBER: P1001426

CATALOG NUMBER: SA4XXDIP-B575D1035UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	935.3	935.3	935.3	935.3
2.5°	909.8	917.5	924.5	935.3
5°	889.6	900.5	915.2	931.5
7.5°	866.4	883.4	902.8	925.3
10°	844.7	864.0	888.8	916.0
12.5°	822.2	845.4	872.6	902.0
15°	796.6	819.9	850.1	889.6
17.5°	773.4	801.3	833.8	875.7
20°	746.3	772.6	808.3	856.3
22.5°	722.2	752.5	792.0	833.8
25°	695.9	722.2	761.8	812.1
27.5°	669.5	702.1	740.1	788.9
30°	644.0	671.1	712.2	763.3
32.5°	616.1	648.6	686.6	734.6
35°	585.8	616.8	652.5	704.4
37.5°	558.7	588.9	625.4	671.1
40°	528.5	560.3	593.6	639.3
42.5°	499.1	527.7	561.0	602.9
45°	470.4	495.2	525.4	561.8
47.5°	440.9	461.9	489.8	522.3
50°	409.2	431.6	452.6	479.7
52.5°	379.7	399.1	416.1	438.6
55°	351.0	364.2	378.2	395.2
57.5°	320.8	330.9	341.0	358.8
60°	290.6	299.9	305.3	316.9
62.5°	261.2	265.0	272.0	279.0
65°	228.6	234.0	237.9	246.4
67.5°	199.2	201.5	205.4	210.8
70°	168.2	173.6	175.1	179.0
72.5°	141.8	144.1	145.7	146.5
75°	112.4	114.7	116.2	120.9
77.5°	88.3	87.6	90.7	91.4
80°	65.1	62.8	63.5	66.6
82.5°	42.6	43.4	42.6	42.6
85°	26.3	25.6	24.0	24.8
87.5°	11.6	11.6	10.8	10.8
90°	6.9	5.9	3.0	1.0
92.5°	45.5	30.6	19.8	13.8
95°	58.3	45.5	35.6	32.6
97.5°	75.1	63.3	54.4	54.4
100°	93.9	82.0	75.1	75.1
102.5°	113.7	102.8	96.9	94.9
105°	135.4	123.5	118.6	115.6
107.5°	158.1	145.3	140.3	138.4
110°	179.9	168.0	163.1	161.1

TEST NUMBER: P1001426

CATALOG NUMBER: SA4XXDIP-B575D1035UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	201.6	190.8	184.8	182.8
115°	223.4	213.5	206.6	203.6
117.5°	245.1	234.2	228.3	225.3
120°	266.9	256.0	249.1	247.1
122.5°	285.6	275.8	268.8	266.9
125°	304.4	293.5	287.6	283.7
127.5°	321.2	309.4	302.4	299.5
130°	339.0	324.2	316.3	312.3
132.5°	352.8	339.0	328.1	325.2
135°	367.7	350.9	341.0	337.0
137.5°	379.5	363.7	352.8	348.9
140°	392.4	375.6	364.7	361.7
142.5°	404.2	388.4	378.5	375.6
145°	415.1	401.3	391.4	388.4
147.5°	428.0	413.1	404.2	403.3
150°	437.8	426.0	418.1	417.1
152.5°	448.7	437.8	429.9	429.9
155°	458.6	448.7	442.8	441.8
157.5°	467.5	459.6	453.7	453.7
160°	475.4	468.5	464.5	464.5
162.5°	482.3	476.4	473.4	474.4
165°	488.2	483.3	481.3	481.3
167.5°	493.2	489.2	488.2	489.2
170°	497.1	494.2	493.2	494.2
172.5°	500.1	498.1	498.1	499.1
175°	502.1	501.1	501.1	502.1
177.5°	503.1	502.1	503.1	504.1
180°	503.1	503.1	503.1	503.1

(END OF REPORT)