

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: P1001612

Luminaire Tested: SA4XXDIP-B575D590UB35-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1001612
REPORT IS A COMBINATION OF REPORTS P996234 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-B575D590UB35-4F0-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

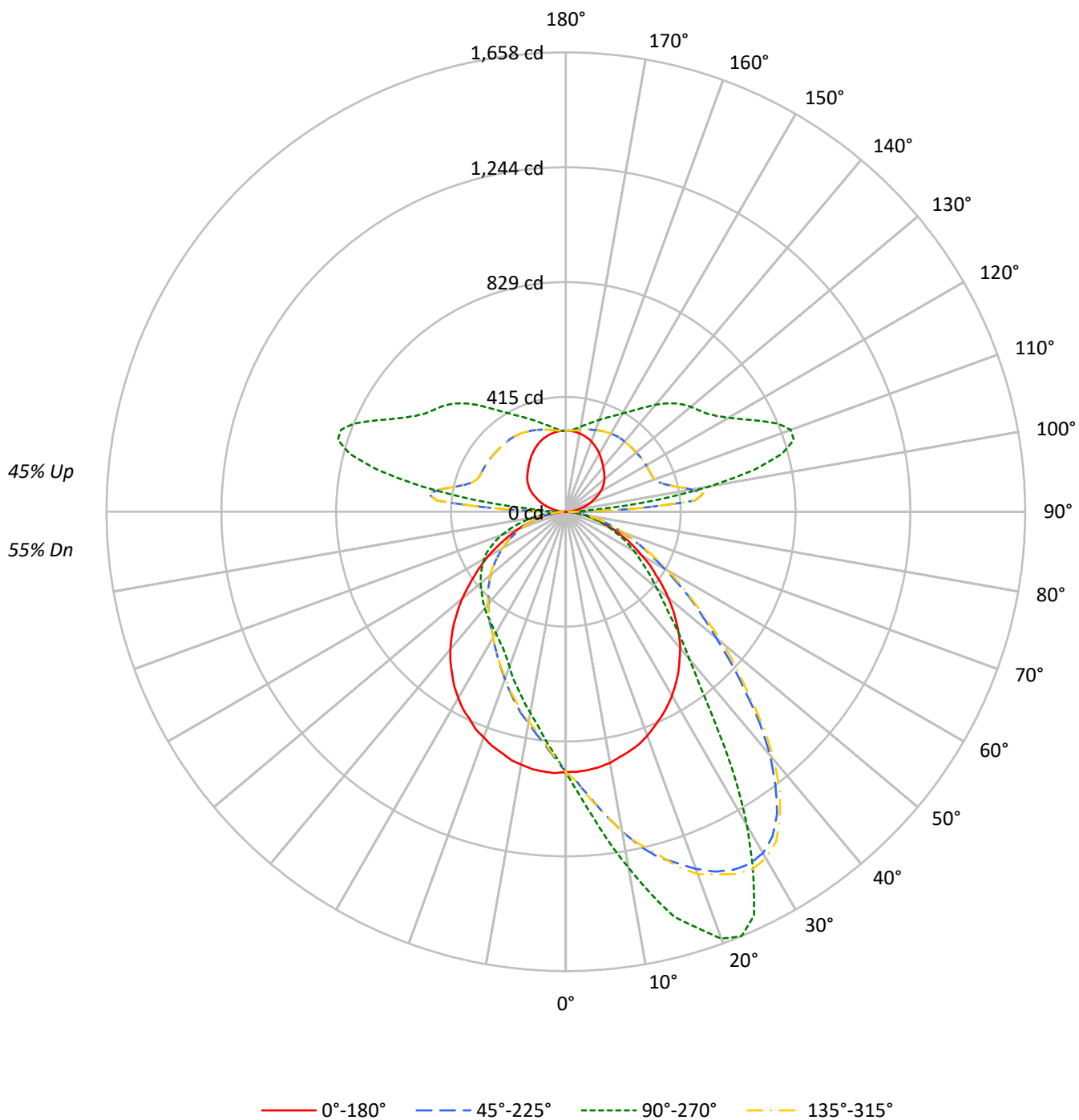
Lumens per Lamp: N/A
Luminaire Lumens: 4721.0 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 39.4
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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61
1	99	95	91	88	92	88	85	82	76	73	71	64	63	61	54	53	52
2	90	83	77	72	84	77	72	68	67	63	59	57	54	51	48	46	44
3	83	73	66	60	77	68	62	57	59	54	50	51	47	44	43	40	38
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	33
5	70	58	50	44	64	54	47	42	47	42	37	41	36	33	35	31	29
6	64	52	44	38	60	49	42	36	43	37	33	37	32	29	31	28	25
7	59	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	23
8	55	43	35	30	51	40	33	29	35	30	26	31	26	23	26	23	20
9	51	39	32	27	48	37	30	26	33	27	23	28	24	21	24	21	18
10	48	36	29	24	45	34	27	23	30	25	21	26	22	19	23	19	17

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

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.4	1.9
10°-20°	282.2	6.0
20°-30°	448.3	9.5
30°-40°	498.1	10.6
40°-50°	453.0	9.6
50°-60°	370.2	7.8
60°-70°	264.2	5.6
70°-80°	145.4	3.1
80°-90°	40.4	0.9
90°-100°	211.7	4.5
100°-110°	442.1	9.4
110°-120°	393.0	8.3
120°-130°	330.8	7.0
130°-140°	276.0	5.8
140°-150°	210.7	4.5
150°-160°	148.1	3.1
160°-170°	87.1	1.8
170°-180°	28.3	0.6
0°-30°	821.9	17.4
0°-40°	1320.0	28.0
0°-60°	2143.1	45.4
0°-90°	2593.1	54.9
90°-120°	1046.8	22.2
90°-150°	1864.2	39.5
90°-180°	2128.0	45.1
0°-180°	4721.0	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	12	1	12	1	3
95°	19	140	19	140	19	21
105°	67	808	67	808	67	72
115°	118	775	118	775	118	117
125°	165	619	165	619	165	147
135°	196	553	196	553	196	151
145°	226	452	226	452	226	142
155°	257	378	257	378	257	118
165°	280	330	280	330	280	79
175°	292	297	292	297	292	28
180°	292	292	292	292	292	

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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°	0.6	1.7	3.4	4.0	4.6	4.6	4.6	8.0	8.0	9.2	10.3
92.5°	8.0	11.5	17.8	26.4	36.7	44.2	51.7	87.2	142.9	196.9	225.0
95°	18.9	20.7	26.4	33.9	47.6	59.6	71.7	121.7	215.8	353.0	467.8
97.5°	31.6	31.6	36.7	43.6	55.7	66.0	76.3	115.9	196.9	338.1	500.5
100°	43.6	43.6	47.6	54.5	65.4	74.6	83.8	117.7	182.5	299.6	461.5
102.5°	55.1	56.3	59.7	66.0	76.3	84.9	93.6	123.4	178.5	273.8	412.7
105°	67.2	68.9	71.7	78.6	89.0	97.3	105.6	133.2	180.8	261.2	376.5
107.5°	80.4	81.5	84.4	91.8	101.6	109.9	118.2	143.5	187.7	257.7	353.0
110°	93.6	94.7	97.6	104.5	114.8	122.6	130.3	155.5	195.7	258.9	342.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	106.2	107.3	110.8	117.1	127.4	135.2	142.9	167.0	204.3	262.3	336.9
115°	118.2	120.0	124.0	129.7	140.6	148.4	156.1	179.1	213.5	266.9	335.8
117.5°	130.9	132.6	136.0	142.3	152.7	160.8	168.8	190.6	222.7	271.5	335.2
120°	143.5	144.6	148.7	155.0	164.7	172.8	180.8	202.6	232.5	276.7	335.2
122.5°	155.0	156.1	160.1	165.9	176.8	184.6	192.3	214.1	241.6	281.8	334.6
125°	164.7	167.0	170.5	176.8	187.7	195.8	203.8	224.4	250.8	287.0	334.1
127.5°	173.9	175.6	179.7	186.5	198.0	206.0	214.1	234.2	258.9	291.0	332.9
130°	181.4	183.7	188.3	196.9	207.8	216.1	224.4	243.9	266.3	295.6	332.3
132.5°	188.8	190.6	196.9	204.9	217.0	224.8	232.5	252.0	273.8	299.6	331.8
135°	195.7	198.0	203.8	213.5	225.6	233.0	240.5	259.4	280.1	303.6	331.2
137.5°	202.6	204.9	211.2	220.4	233.0	240.2	247.4	265.2	284.7	305.9	331.2
140°	210.1	211.8	218.1	227.9	239.9	246.8	253.7	270.9	289.3	308.8	330.6
142.5°	218.1	219.8	225.6	234.8	246.2	252.8	259.4	276.1	292.7	311.1	330.6
145°	225.6	227.3	233.0	241.1	252.0	258.3	264.6	279.5	295.0	311.7	329.5
147.5°	234.2	234.8	239.9	248.5	257.7	263.4	269.2	283.5	297.3	312.2	327.7
150°	242.2	242.8	247.4	254.3	262.9	268.4	273.8	286.4	299.0	312.2	326.0
152.5°	249.7	249.7	254.3	260.6	268.0	272.9	277.8	288.7	300.2	311.1	323.2
155°	256.6	257.1	260.6	266.3	272.6	277.0	281.3	291.0	300.8	310.0	320.3
157.5°	263.5	263.5	266.9	271.5	277.2	280.6	284.1	292.7	300.8	308.8	317.4
160°	269.8	269.8	272.1	276.1	280.7	283.8	287.0	293.9	300.8	307.1	314.0
162.5°	275.5	274.9	276.7	280.1	284.1	286.4	288.7	295.0	300.8	305.4	310.5
165°	279.5	279.5	280.7	283.5	286.4	288.2	289.9	295.0	299.6	303.1	307.1
167.5°	284.1	283.5	284.1	286.4	288.1	289.6	291.0	295.0	298.5	300.8	303.6
170°	287.0	286.4	287.0	288.7	289.9	290.8	291.6	294.5	297.3	298.5	300.2
172.5°	289.9	289.3	289.3	290.4	291.0	291.6	292.2	293.9	296.2	296.2	296.7
175°	291.6	291.0	291.0	291.6	292.2	292.2	292.2	293.3	295.0	294.5	294.5
177.5°	292.7	292.2	291.6	292.2	292.2	292.2	292.2	292.7	293.9	292.7	292.7
180°	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2

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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°	9.8	10.3	10.9	11.5	11.5	11.5	12.1	12.6	12.1	12.1	12.1
92.5°	187.1	138.3	103.3	81.5	74.4	67.2	58.5	54.5	52.2	52.2	52.2
95°	481.0	425.3	336.4	259.4	231.6	203.8	175.6	157.8	147.5	140.1	147.5
97.5°	603.3	612.4	568.2	505.1	473.0	440.8	401.8	367.3	350.1	336.4	350.1
100°	608.4	692.2	703.7	675.6	654.4	633.1	583.2	548.2	530.9	526.3	530.9
102.5°	565.4	688.2	756.5	773.7	768.0	762.2	736.4	713.5	695.1	691.6	695.1
105°	511.4	642.9	742.2	799.0	810.8	822.5	823.7	819.1	811.0	807.6	811.0
107.5°	467.2	587.2	694.5	773.7	797.8	821.9	847.2	857.5	862.1	862.7	862.1
110°	435.7	537.8	637.1	720.3	751.9	783.5	824.2	848.3	858.7	863.8	858.7

TEST NUMBER: P1001612

CATALOG NUMBER: SA4XXDIP-B575D590UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	417.9	501.7	586.6	664.1	695.7	727.2	774.9	805.3	820.8	830.0	820.8
115°	408.1	479.8	550.4	617.6	645.2	672.7	718.1	752.5	770.9	775.4	770.9
117.5°	402.9	467.2	526.9	581.4	605.6	629.7	669.8	699.7	719.2	722.1	719.2
120°	398.9	459.2	512.6	558.5	578.8	599.2	632.0	657.2	672.1	678.4	672.1
122.5°	394.3	452.3	503.4	544.1	561.4	578.6	605.0	625.6	637.7	644.0	637.7
125°	389.2	444.3	493.6	533.2	549.0	564.8	587.8	604.4	615.3	618.8	615.3
127.5°	382.3	435.1	482.7	522.3	537.2	552.2	575.1	590.1	599.2	602.7	599.2
130°	376.0	423.6	468.9	508.0	523.2	538.4	561.9	576.3	585.5	588.9	585.5
132.5°	370.2	411.5	453.4	491.3	506.5	521.7	544.7	561.4	570.0	573.4	570.0
135°	364.5	400.6	437.9	473.0	487.4	501.7	524.6	540.7	549.9	553.3	549.9
137.5°	359.3	390.3	423.0	453.4	466.6	479.8	501.7	518.3	525.8	529.8	525.8
140°	355.3	381.7	408.7	434.5	446.6	458.6	478.7	491.3	499.4	504.0	499.4
142.5°	351.9	373.7	396.6	417.9	427.9	437.9	455.2	466.6	473.5	476.4	473.5
145°	347.8	366.2	385.7	402.9	411.0	419.0	433.4	443.1	448.9	451.7	448.9
147.5°	344.4	359.9	376.0	390.3	396.9	403.5	414.4	423.0	427.6	428.8	427.6
150°	340.4	354.1	367.3	378.8	384.0	389.2	398.3	405.8	409.2	409.8	409.2
152.5°	335.8	347.8	358.7	369.1	373.1	377.1	384.6	390.3	392.0	392.6	392.0
155°	331.2	341.5	350.7	359.3	362.8	366.2	371.9	376.5	378.3	378.3	378.3
157.5°	326.6	334.6	342.7	350.1	353.0	355.9	360.5	363.9	365.1	365.1	365.1
160°	321.4	328.3	334.6	340.9	343.2	345.5	349.0	352.4	353.0	353.0	353.0
162.5°	316.8	322.0	327.2	331.8	333.8	335.8	338.1	341.5	342.1	341.5	342.1
165°	311.7	316.3	319.7	323.7	325.2	326.6	328.9	331.2	330.6	330.0	330.6
167.5°	307.1	310.5	313.4	316.8	317.7	318.6	319.7	321.4	321.4	320.9	321.4
170°	302.5	305.4	307.1	309.4	310.2	311.1	312.2	312.8	312.2	312.2	312.2
172.5°	298.5	300.8	301.9	303.1	303.6	304.2	304.8	305.4	304.8	303.6	304.8
175°	295.6	296.7	297.3	298.5	298.5	298.5	298.5	299.6	298.5	297.3	298.5
177.5°	293.3	293.9	294.5	294.5	294.8	295.0	294.5	295.0	293.9	292.7	293.9
180°	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2

TEST NUMBER: P1001612

CATALOG NUMBER: SA4XXDIP-B575D590UB35-4F0-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°	12.6	12.1	11.5	11.5	11.5	10.9	10.3	9.8	10.3	9.2	8.0
92.5°	54.5	58.5	67.2	74.4	81.5	103.3	138.3	187.1	225.0	196.9	142.9
95°	157.8	175.6	203.8	231.6	259.4	336.4	425.3	481.0	467.8	353.0	215.8
97.5°	367.3	401.8	440.8	473.0	505.1	568.2	612.4	603.3	500.5	338.1	196.9
100°	548.2	583.2	633.1	654.4	675.6	703.7	692.2	608.4	461.5	299.6	182.5
102.5°	713.5	736.4	762.2	768.0	773.7	756.5	688.2	565.4	412.7	273.8	178.5
105°	819.1	823.7	822.5	810.8	799.0	742.2	642.9	511.4	376.5	261.2	180.8
107.5°	857.5	847.2	821.9	797.8	773.7	694.5	587.2	467.2	353.0	257.7	187.7
110°	848.3	824.2	783.5	751.9	720.3	637.1	537.8	435.7	342.1	258.9	195.7

TEST NUMBER: P1001612

CATALOG NUMBER: SA4XXDIP-B575D590UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	805.3	774.9	727.2	695.7	664.1	586.6	501.7	417.9	336.9	262.3	204.3
115°	752.5	718.1	672.7	645.2	617.6	550.4	479.8	408.1	335.8	266.9	213.5
117.5°	699.7	669.8	629.7	605.6	581.4	526.9	467.2	402.9	335.2	271.5	222.7
120°	657.2	632.0	599.2	578.8	558.5	512.6	459.2	398.9	335.2	276.7	232.5
122.5°	625.6	605.0	578.6	561.4	544.1	503.4	452.3	394.3	334.6	281.8	241.6
125°	604.4	587.8	564.8	549.0	533.2	493.6	444.3	389.2	334.1	287.0	250.8
127.5°	590.1	575.1	552.2	537.2	522.3	482.7	435.1	382.3	332.9	291.0	258.9
130°	576.3	561.9	538.4	523.2	508.0	468.9	423.6	376.0	332.3	295.6	266.3
132.5°	561.4	544.7	521.7	506.5	491.3	453.4	411.5	370.2	331.8	299.6	273.8
135°	540.7	524.6	501.7	487.4	473.0	437.9	400.6	364.5	331.2	303.6	280.1
137.5°	518.3	501.7	479.8	466.6	453.4	423.0	390.3	359.3	331.2	305.9	284.7
140°	491.3	478.7	458.6	446.6	434.5	408.7	381.7	355.3	330.6	308.8	289.3
142.5°	466.6	455.2	437.9	427.9	417.9	396.6	373.7	351.9	330.6	311.1	292.7
145°	443.1	433.4	419.0	411.0	402.9	385.7	366.2	347.8	329.5	311.7	295.0
147.5°	423.0	414.4	403.5	396.9	390.3	376.0	359.9	344.4	327.7	312.2	297.3
150°	405.8	398.3	389.2	384.0	378.8	367.3	354.1	340.4	326.0	312.2	299.0
152.5°	390.3	384.6	377.1	373.1	369.1	358.7	347.8	335.8	323.2	311.1	300.2
155°	376.5	371.9	366.2	362.8	359.3	350.7	341.5	331.2	320.3	310.0	300.8
157.5°	363.9	360.5	355.9	353.0	350.1	342.7	334.6	326.6	317.4	308.8	300.8
160°	352.4	349.0	345.5	343.2	340.9	334.6	328.3	321.4	314.0	307.1	300.8
162.5°	341.5	338.1	335.8	333.8	331.8	327.2	322.0	316.8	310.5	305.4	300.8
165°	331.2	328.9	326.6	325.2	323.7	319.7	316.3	311.7	307.1	303.1	299.6
167.5°	321.4	319.7	318.6	317.7	316.8	313.4	310.5	307.1	303.6	300.8	298.5
170°	312.8	312.2	311.1	310.2	309.4	307.1	305.4	302.5	300.2	298.5	297.3
172.5°	305.4	304.8	304.2	303.6	303.1	301.9	300.8	298.5	296.7	296.2	296.2
175°	299.6	298.5	298.5	298.5	298.5	297.3	296.7	295.6	294.5	294.5	295.0
177.5°	295.0	294.5	295.0	294.8	294.5	294.5	293.9	293.3	292.7	292.7	293.9
180°	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2

TEST NUMBER: P1001612

CATALOG NUMBER: SA4XXDIP-B575D590UB35-4F0-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°	8.0	4.6	4.6	4.6	4.0	3.4	1.7	0.6	1.7	3.4	4.0
92.5°	87.2	51.7	44.2	36.7	26.4	17.8	11.5	8.0	11.5	17.8	26.4
95°	121.7	71.7	59.6	47.6	33.9	26.4	20.7	18.9	20.7	26.4	33.9
97.5°	115.9	76.3	66.0	55.7	43.6	36.7	31.6	31.6	31.6	36.7	43.6
100°	117.7	83.8	74.6	65.4	54.5	47.6	43.6	43.6	43.6	47.6	54.5
102.5°	123.4	93.6	84.9	76.3	66.0	59.7	56.3	55.1	56.3	59.7	66.0
105°	133.2	105.6	97.3	89.0	78.6	71.7	68.9	67.2	68.9	71.7	78.6
107.5°	143.5	118.2	109.9	101.6	91.8	84.4	81.5	80.4	81.5	84.4	91.8
110°	155.5	130.3	122.6	114.8	104.5	97.6	94.7	93.6	94.7	97.6	104.5

TEST NUMBER: P1001612

CATALOG NUMBER: SA4XXDIP-B575D590UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	167.0	142.9	135.2	127.4	117.1	110.8	107.3	106.2	107.3	110.8	117.1
115°	179.1	156.1	148.4	140.6	129.7	124.0	120.0	118.2	120.0	124.0	129.7
117.5°	190.6	168.8	160.8	152.7	142.3	136.0	132.6	130.9	132.6	136.0	142.3
120°	202.6	180.8	172.8	164.7	155.0	148.7	144.6	143.5	144.6	148.7	155.0
122.5°	214.1	192.3	184.6	176.8	165.9	160.1	156.1	155.0	156.1	160.1	165.9
125°	224.4	203.8	195.8	187.7	176.8	170.5	167.0	164.7	167.0	170.5	176.8
127.5°	234.2	214.1	206.0	198.0	186.5	179.7	175.6	173.9	175.6	179.7	186.5
130°	243.9	224.4	216.1	207.8	196.9	188.3	183.7	181.4	183.7	188.3	196.9
132.5°	252.0	232.5	224.8	217.0	204.9	196.9	190.6	188.8	190.6	196.9	204.9
135°	259.4	240.5	233.0	225.6	213.5	203.8	198.0	195.7	198.0	203.8	213.5
137.5°	265.2	247.4	240.2	233.0	220.4	211.2	204.9	202.6	204.9	211.2	220.4
140°	270.9	253.7	246.8	239.9	227.9	218.1	211.8	210.1	211.8	218.1	227.9
142.5°	276.1	259.4	252.8	246.2	234.8	225.6	219.8	218.1	219.8	225.6	234.8
145°	279.5	264.6	258.3	252.0	241.1	233.0	227.3	225.6	227.3	233.0	241.1
147.5°	283.5	269.2	263.4	257.7	248.5	239.9	234.8	234.2	234.8	239.9	248.5
150°	286.4	273.8	268.4	262.9	254.3	247.4	242.8	242.2	242.8	247.4	254.3
152.5°	288.7	277.8	272.9	268.0	260.6	254.3	249.7	249.7	249.7	254.3	260.6
155°	291.0	281.3	277.0	272.6	266.3	260.6	257.1	256.6	257.1	260.6	266.3
157.5°	292.7	284.1	280.6	277.2	271.5	266.9	263.5	263.5	263.5	266.9	271.5
160°	293.9	287.0	283.8	280.7	276.1	272.1	269.8	269.8	269.8	272.1	276.1
162.5°	295.0	288.7	286.4	284.1	280.1	276.7	274.9	275.5	274.9	276.7	280.1
165°	295.0	289.9	288.2	286.4	283.5	280.7	279.5	279.5	279.5	280.7	283.5
167.5°	295.0	291.0	289.6	288.1	286.4	284.1	283.5	284.1	283.5	284.1	286.4
170°	294.5	291.6	290.8	289.9	288.7	287.0	286.4	287.0	286.4	287.0	288.7
172.5°	293.9	292.2	291.6	291.0	290.4	289.3	289.3	289.9	289.3	289.3	290.4
175°	293.3	292.2	292.2	292.2	291.6	291.0	291.0	291.6	291.0	291.0	291.6
177.5°	292.7	292.2	292.2	292.2	292.2	291.6	292.2	292.7	292.2	291.6	292.2
180°	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2

TEST NUMBER: P1001612

CATALOG NUMBER: SA4XXDIP-B575D590UB35-4F0-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°	4.6	4.6	4.6	8.0	8.0	9.2	10.3	9.8	10.3	10.9	11.5
92.5°	36.7	44.2	51.7	87.2	142.9	196.9	225.0	187.1	138.3	103.3	81.5
95°	47.6	59.6	71.7	121.7	215.8	353.0	467.8	481.0	425.3	336.4	259.4
97.5°	55.7	66.0	76.3	115.9	196.9	338.1	500.5	603.3	612.4	568.2	505.1
100°	65.4	74.6	83.8	117.7	182.5	299.6	461.5	608.4	692.2	703.7	675.6
102.5°	76.3	84.9	93.6	123.4	178.5	273.8	412.7	565.4	688.2	756.5	773.7
105°	89.0	97.3	105.6	133.2	180.8	261.2	376.5	511.4	642.9	742.2	799.0
107.5°	101.6	109.9	118.2	143.5	187.7	257.7	353.0	467.2	587.2	694.5	773.7
110°	114.8	122.6	130.3	155.5	195.7	258.9	342.1	435.7	537.8	637.1	720.3

TEST NUMBER: P1001612

CATALOG NUMBER: SA4XXDIP-B575D590UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	127.4	135.2	142.9	167.0	204.3	262.3	336.9	417.9	501.7	586.6	664.1
115°	140.6	148.4	156.1	179.1	213.5	266.9	335.8	408.1	479.8	550.4	617.6
117.5°	152.7	160.8	168.8	190.6	222.7	271.5	335.2	402.9	467.2	526.9	581.4
120°	164.7	172.8	180.8	202.6	232.5	276.7	335.2	398.9	459.2	512.6	558.5
122.5°	176.8	184.6	192.3	214.1	241.6	281.8	334.6	394.3	452.3	503.4	544.1
125°	187.7	195.8	203.8	224.4	250.8	287.0	334.1	389.2	444.3	493.6	533.2
127.5°	198.0	206.0	214.1	234.2	258.9	291.0	332.9	382.3	435.1	482.7	522.3
130°	207.8	216.1	224.4	243.9	266.3	295.6	332.3	376.0	423.6	468.9	508.0
132.5°	217.0	224.8	232.5	252.0	273.8	299.6	331.8	370.2	411.5	453.4	491.3
135°	225.6	233.0	240.5	259.4	280.1	303.6	331.2	364.5	400.6	437.9	473.0
137.5°	233.0	240.2	247.4	265.2	284.7	305.9	331.2	359.3	390.3	423.0	453.4
140°	239.9	246.8	253.7	270.9	289.3	308.8	330.6	355.3	381.7	408.7	434.5
142.5°	246.2	252.8	259.4	276.1	292.7	311.1	330.6	351.9	373.7	396.6	417.9
145°	252.0	258.3	264.6	279.5	295.0	311.7	329.5	347.8	366.2	385.7	402.9
147.5°	257.7	263.4	269.2	283.5	297.3	312.2	327.7	344.4	359.9	376.0	390.3
150°	262.9	268.4	273.8	286.4	299.0	312.2	326.0	340.4	354.1	367.3	378.8
152.5°	268.0	272.9	277.8	288.7	300.2	311.1	323.2	335.8	347.8	358.7	369.1
155°	272.6	277.0	281.3	291.0	300.8	310.0	320.3	331.2	341.5	350.7	359.3
157.5°	277.2	280.6	284.1	292.7	300.8	308.8	317.4	326.6	334.6	342.7	350.1
160°	280.7	283.8	287.0	293.9	300.8	307.1	314.0	321.4	328.3	334.6	340.9
162.5°	284.1	286.4	288.7	295.0	300.8	305.4	310.5	316.8	322.0	327.2	331.8
165°	286.4	288.2	289.9	295.0	299.6	303.1	307.1	311.7	316.3	319.7	323.7
167.5°	288.1	289.6	291.0	295.0	298.5	300.8	303.6	307.1	310.5	313.4	316.8
170°	289.9	290.8	291.6	294.5	297.3	298.5	300.2	302.5	305.4	307.1	309.4
172.5°	291.0	291.6	292.2	293.9	296.2	296.2	296.7	298.5	300.8	301.9	303.1
175°	292.2	292.2	292.2	293.3	295.0	294.5	294.5	295.6	296.7	297.3	298.5
177.5°	292.2	292.2	292.2	292.7	293.9	292.7	292.7	293.3	293.9	294.5	294.5
180°	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2

TEST NUMBER: P1001612

CATALOG NUMBER: SA4XXDIP-B575D590UB35-4F0-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°	11.5	11.5	12.1	12.6	12.1	12.1	12.1	12.6	12.1	11.5	11.5
92.5°	74.4	67.2	58.5	54.5	52.2	52.2	52.2	54.5	58.5	67.2	74.4
95°	231.6	203.8	175.6	157.8	147.5	140.1	147.5	157.8	175.6	203.8	231.6
97.5°	473.0	440.8	401.8	367.3	350.1	336.4	350.1	367.3	401.8	440.8	473.0
100°	654.4	633.1	583.2	548.2	530.9	526.3	530.9	548.2	583.2	633.1	654.4
102.5°	768.0	762.2	736.4	713.5	695.1	691.6	695.1	713.5	736.4	762.2	768.0
105°	810.8	822.5	823.7	819.1	811.0	807.6	811.0	819.1	823.7	822.5	810.8
107.5°	797.8	821.9	847.2	857.5	862.1	862.7	862.1	857.5	847.2	821.9	797.8
110°	751.9	783.5	824.2	848.3	858.7	863.8	858.7	848.3	824.2	783.5	751.9

TEST NUMBER: P1001612

CATALOG NUMBER: SA4XXDIP-B575D590UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	695.7	727.2	774.9	805.3	820.8	830.0	820.8	805.3	774.9	727.2	695.7
115°	645.2	672.7	718.1	752.5	770.9	775.4	770.9	752.5	718.1	672.7	645.2
117.5°	605.6	629.7	669.8	699.7	719.2	722.1	719.2	699.7	669.8	629.7	605.6
120°	578.8	599.2	632.0	657.2	672.1	678.4	672.1	657.2	632.0	599.2	578.8
122.5°	561.4	578.6	605.0	625.6	637.7	644.0	637.7	625.6	605.0	578.6	561.4
125°	549.0	564.8	587.8	604.4	615.3	618.8	615.3	604.4	587.8	564.8	549.0
127.5°	537.2	552.2	575.1	590.1	599.2	602.7	599.2	590.1	575.1	552.2	537.2
130°	523.2	538.4	561.9	576.3	585.5	588.9	585.5	576.3	561.9	538.4	523.2
132.5°	506.5	521.7	544.7	561.4	570.0	573.4	570.0	561.4	544.7	521.7	506.5
135°	487.4	501.7	524.6	540.7	549.9	553.3	549.9	540.7	524.6	501.7	487.4
137.5°	466.6	479.8	501.7	518.3	525.8	529.8	525.8	518.3	501.7	479.8	466.6
140°	446.6	458.6	478.7	491.3	499.4	504.0	499.4	491.3	478.7	458.6	446.6
142.5°	427.9	437.9	455.2	466.6	473.5	476.4	473.5	466.6	455.2	437.9	427.9
145°	411.0	419.0	433.4	443.1	448.9	451.7	448.9	443.1	433.4	419.0	411.0
147.5°	396.9	403.5	414.4	423.0	427.6	428.8	427.6	423.0	414.4	403.5	396.9
150°	384.0	389.2	398.3	405.8	409.2	409.8	409.2	405.8	398.3	389.2	384.0
152.5°	373.1	377.1	384.6	390.3	392.0	392.6	392.0	390.3	384.6	377.1	373.1
155°	362.8	366.2	371.9	376.5	378.3	378.3	378.3	376.5	371.9	366.2	362.8
157.5°	353.0	355.9	360.5	363.9	365.1	365.1	365.1	363.9	360.5	355.9	353.0
160°	343.2	345.5	349.0	352.4	353.0	353.0	353.0	352.4	349.0	345.5	343.2
162.5°	333.8	335.8	338.1	341.5	342.1	341.5	342.1	341.5	338.1	335.8	333.8
165°	325.2	326.6	328.9	331.2	330.6	330.0	330.6	331.2	328.9	326.6	325.2
167.5°	317.7	318.6	319.7	321.4	321.4	320.9	321.4	321.4	319.7	318.6	317.7
170°	310.2	311.1	312.2	312.8	312.2	312.2	312.2	312.8	312.2	311.1	310.2
172.5°	303.6	304.2	304.8	305.4	304.8	303.6	304.8	305.4	304.8	304.2	303.6
175°	298.5	298.5	298.5	299.6	298.5	297.3	298.5	299.6	298.5	298.5	298.5
177.5°	294.8	295.0	294.5	295.0	293.9	292.7	293.9	295.0	294.5	295.0	294.8
180°	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2

TEST NUMBER: P1001612

CATALOG NUMBER: SA4XXDIP-B575D590UB35-4F0-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°	11.5	10.9	10.3	9.8	10.3	9.2	8.0	8.0	4.6	4.6	4.6
92.5°	81.5	103.3	138.3	187.1	225.0	196.9	142.9	87.2	51.7	44.2	36.7
95°	259.4	336.4	425.3	481.0	467.8	353.0	215.8	121.7	71.7	59.6	47.6
97.5°	505.1	568.2	612.4	603.3	500.5	338.1	196.9	115.9	76.3	66.0	55.7
100°	675.6	703.7	692.2	608.4	461.5	299.6	182.5	117.7	83.8	74.6	65.4
102.5°	773.7	756.5	688.2	565.4	412.7	273.8	178.5	123.4	93.6	84.9	76.3
105°	799.0	742.2	642.9	511.4	376.5	261.2	180.8	133.2	105.6	97.3	89.0
107.5°	773.7	694.5	587.2	467.2	353.0	257.7	187.7	143.5	118.2	109.9	101.6
110°	720.3	637.1	537.8	435.7	342.1	258.9	195.7	155.5	130.3	122.6	114.8

TEST NUMBER: P1001612

CATALOG NUMBER: SA4XXDIP-B575D590UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	664.1	586.6	501.7	417.9	336.9	262.3	204.3	167.0	142.9	135.2	127.4
115°	617.6	550.4	479.8	408.1	335.8	266.9	213.5	179.1	156.1	148.4	140.6
117.5°	581.4	526.9	467.2	402.9	335.2	271.5	222.7	190.6	168.8	160.8	152.7
120°	558.5	512.6	459.2	398.9	335.2	276.7	232.5	202.6	180.8	172.8	164.7
122.5°	544.1	503.4	452.3	394.3	334.6	281.8	241.6	214.1	192.3	184.6	176.8
125°	533.2	493.6	444.3	389.2	334.1	287.0	250.8	224.4	203.8	195.8	187.7
127.5°	522.3	482.7	435.1	382.3	332.9	291.0	258.9	234.2	214.1	206.0	198.0
130°	508.0	468.9	423.6	376.0	332.3	295.6	266.3	243.9	224.4	216.1	207.8
132.5°	491.3	453.4	411.5	370.2	331.8	299.6	273.8	252.0	232.5	224.8	217.0
135°	473.0	437.9	400.6	364.5	331.2	303.6	280.1	259.4	240.5	233.0	225.6
137.5°	453.4	423.0	390.3	359.3	331.2	305.9	284.7	265.2	247.4	240.2	233.0
140°	434.5	408.7	381.7	355.3	330.6	308.8	289.3	270.9	253.7	246.8	239.9
142.5°	417.9	396.6	373.7	351.9	330.6	311.1	292.7	276.1	259.4	252.8	246.2
145°	402.9	385.7	366.2	347.8	329.5	311.7	295.0	279.5	264.6	258.3	252.0
147.5°	390.3	376.0	359.9	344.4	327.7	312.2	297.3	283.5	269.2	263.4	257.7
150°	378.8	367.3	354.1	340.4	326.0	312.2	299.0	286.4	273.8	268.4	262.9
152.5°	369.1	358.7	347.8	335.8	323.2	311.1	300.2	288.7	277.8	272.9	268.0
155°	359.3	350.7	341.5	331.2	320.3	310.0	300.8	291.0	281.3	277.0	272.6
157.5°	350.1	342.7	334.6	326.6	317.4	308.8	300.8	292.7	284.1	280.6	277.2
160°	340.9	334.6	328.3	321.4	314.0	307.1	300.8	293.9	287.0	283.8	280.7
162.5°	331.8	327.2	322.0	316.8	310.5	305.4	300.8	295.0	288.7	286.4	284.1
165°	323.7	319.7	316.3	311.7	307.1	303.1	299.6	295.0	289.9	288.2	286.4
167.5°	316.8	313.4	310.5	307.1	303.6	300.8	298.5	295.0	291.0	289.6	288.1
170°	309.4	307.1	305.4	302.5	300.2	298.5	297.3	294.5	291.6	290.8	289.9
172.5°	303.1	301.9	300.8	298.5	296.7	296.2	296.2	293.9	292.2	291.6	291.0
175°	298.5	297.3	296.7	295.6	294.5	294.5	295.0	293.3	292.2	292.2	292.2
177.5°	294.5	294.5	293.9	293.3	292.7	292.7	293.9	292.7	292.2	292.2	292.2
180°	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2

TEST NUMBER: P1001612

CATALOG NUMBER: SA4XXDIP-B575D590UB35-4F0-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°	4.0	3.4	1.7	0.6
92.5°	26.4	17.8	11.5	8.0
95°	33.9	26.4	20.7	18.9
97.5°	43.6	36.7	31.6	31.6
100°	54.5	47.6	43.6	43.6
102.5°	66.0	59.7	56.3	55.1
105°	78.6	71.7	68.9	67.2
107.5°	91.8	84.4	81.5	80.4
110°	104.5	97.6	94.7	93.6

TEST NUMBER: P1001612

CATALOG NUMBER: SA4XXDIP-B575D590UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	117.1	110.8	107.3	106.2
115°	129.7	124.0	120.0	118.2
117.5°	142.3	136.0	132.6	130.9
120°	155.0	148.7	144.6	143.5
122.5°	165.9	160.1	156.1	155.0
125°	176.8	170.5	167.0	164.7
127.5°	186.5	179.7	175.6	173.9
130°	196.9	188.3	183.7	181.4
132.5°	204.9	196.9	190.6	188.8
135°	213.5	203.8	198.0	195.7
137.5°	220.4	211.2	204.9	202.6
140°	227.9	218.1	211.8	210.1
142.5°	234.8	225.6	219.8	218.1
145°	241.1	233.0	227.3	225.6
147.5°	248.5	239.9	234.8	234.2
150°	254.3	247.4	242.8	242.2
152.5°	260.6	254.3	249.7	249.7
155°	266.3	260.6	257.1	256.6
157.5°	271.5	266.9	263.5	263.5
160°	276.1	272.1	269.8	269.8
162.5°	280.1	276.7	274.9	275.5
165°	283.5	280.7	279.5	279.5
167.5°	286.4	284.1	283.5	284.1
170°	288.7	287.0	286.4	287.0
172.5°	290.4	289.3	289.3	289.9
175°	291.6	291.0	291.0	291.6
177.5°	292.2	291.6	292.2	292.7
180°	292.2	292.2	292.2	292.2

(END OF REPORT)