

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: P1001138

Luminaire Tested: SA4XXDIP-B350D1035UB35-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1001138
REPORT IS A COMBINATION OF REPORTS P995754 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-B350D1035UB35-4F0-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

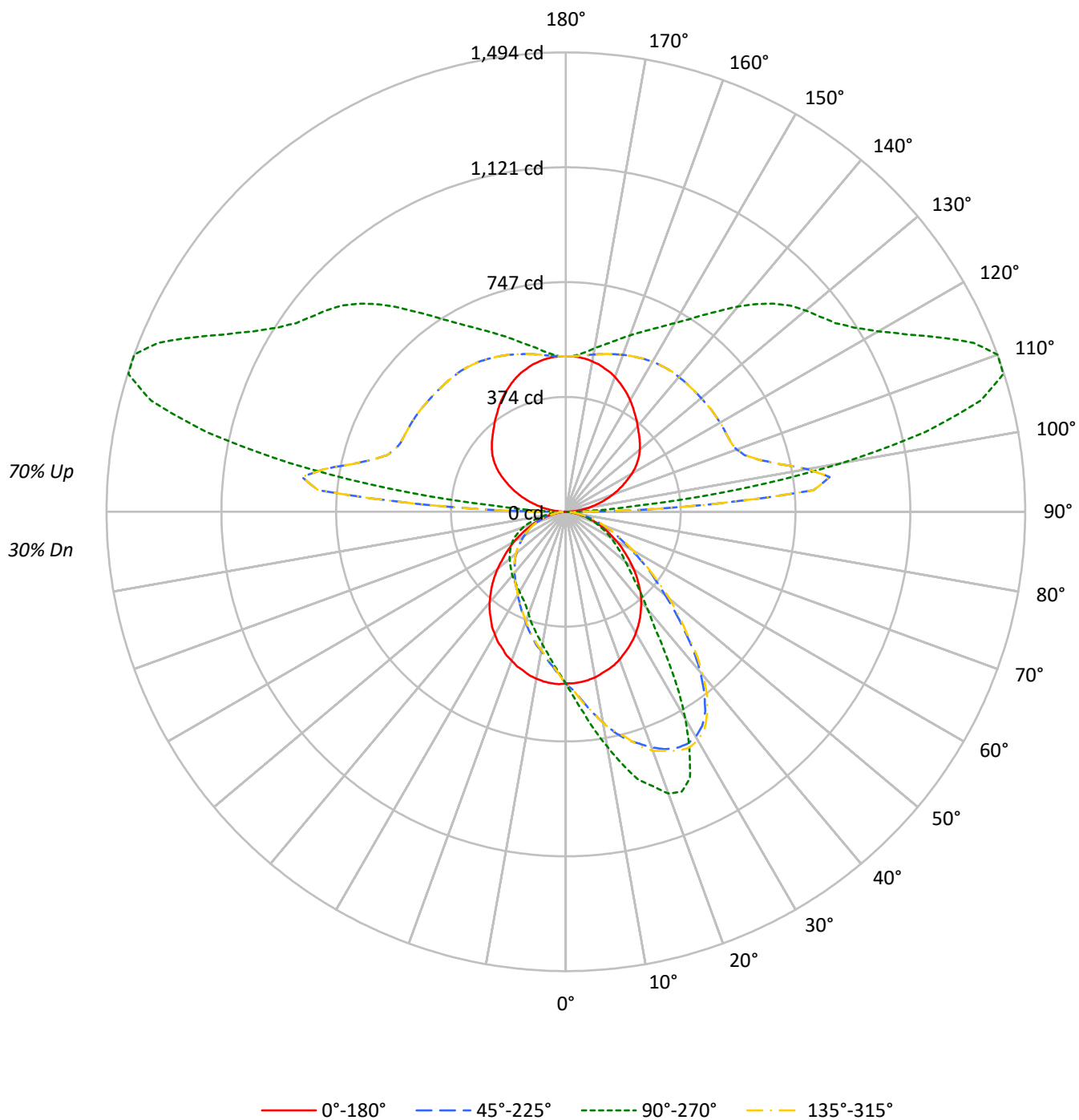
Lumens per Lamp: N/A
Luminaire Lumens: 5223.0 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 41.5
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	102	102	102	102	92	92	92	92	72	72	72	54	54	54	37	37	37	37	37	30
1	93	89	85	82	84	80	77	74	63	61	59	48	46	45	33	32	32	32	32	25
2	85	78	72	67	76	70	65	61	55	52	49	42	40	38	29	28	27	27	27	21
3	78	69	62	56	69	62	56	51	49	45	41	37	34	32	26	24	23	23	23	18
4	71	61	53	47	63	55	48	43	44	39	35	33	30	27	23	21	20	20	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	26	24	21	19	17	17	17	14
6	60	48	41	35	54	44	37	32	35	30	26	27	23	21	19	17	15	15	15	12
7	55	44	36	31	49	39	33	28	32	27	23	24	21	18	17	15	14	14	14	11
8	51	39	32	27	46	36	29	25	29	24	21	22	19	16	16	14	12	12	12	10
9	48	36	29	24	43	33	26	22	26	22	18	20	17	15	15	13	11	11	11	9
10	44	33	26	21	40	30	24	20	24	20	16	19	15	13	14	12	10	10	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4553	4553	4553	4553
5°	4542	5224	4569	3926
10°	4509	6095	4542	3444
15°	4455	7027	4486	3082
20°	4397	7620	4429	2763
25°	4313	7532	4354	2527
30°	4230	6225	4282	2407
35°	4115	4639	4160	2333
40°	3980	3495	4018	2297
45°	3774	2805	3821	2248
50°	3528	2363	3580	2225
55°	3240	2057	3290	2199
60°	2958	1811	3045	2163
65°	2694	1559	2720	2072
70°	2385	1282	2436	1909
75°	2081	985	2066	1622
80°	1637	648	1616	1232
85°	1077	291	1011	717

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 5888 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	1.0
10°-20°	167.8	3.2
20°-30°	266.5	5.1
30°-40°	296.1	5.7
40°-50°	269.3	5.2
50°-60°	220.1	4.2
60°-70°	157.1	3.0
70°-80°	86.4	1.7
80°-90°	25.3	0.5
90°-100°	366.2	7.0
100°-110°	764.5	14.6
110°-120°	679.6	13.0
120°-130°	572.1	11.0
130°-140°	477.3	9.1
140°-150°	364.4	7.0
150°-160°	256.2	4.9
160°-170°	150.7	2.9
170°-180°	49.0	0.9
0°-30°	488.6	9.4
0°-40°	784.7	15.0
0°-60°	1274.1	24.4
0°-90°	1543.0	29.5
90°-120°	1810.3	34.7
90°-150°	3224.1	61.7
90°-180°	3680.0	70.5
0°-180°	5223.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	558	558	558	558	558	
5°	556	655	559	492	556	53
15°	531	900	535	395	531	150
25°	485	955	490	321	485	223
35°	421	565	425	284	421	263
45°	335	317	340	254	335	259
55°	236	207	240	222	236	212
65°	147	133	148	177	147	145
75°	72	67	72	110	72	76
85°	15	14	14	34	15	17
90°	1	21	1	21	1	3
95°	33	242	33	242	33	36
105°	116	1397	116	1397	116	124
115°	204	1341	204	1341	204	203
125°	285	1070	285	1070	285	254
135°	338	957	338	957	338	262
145°	390	781	390	781	390	245
155°	444	654	444	654	444	205
165°	483	571	483	571	483	137
175°	504	514	504	514	504	48
180°	505	505	505	505	505	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4
2.5°	558.4	564.0	566.3	568.2	574.2	576.0	576.5	579.3	581.6	582.0	582.0
5°	556.1	564.9	571.9	578.3	588.1	592.2	597.3	602.9	610.3	614.9	617.2
7.5°	552.4	565.4	576.0	587.1	600.6	608.9	613.5	628.3	638.5	646.8	657.0
10°	546.9	563.5	578.8	595.0	614.0	624.1	634.3	652.4	666.7	682.9	695.9
12.5°	538.6	560.3	578.8	601.5	625.1	637.1	649.1	680.6	697.3	711.6	734.7
15°	531.2	552.9	579.3	602.4	631.6	649.6	667.2	687.5	713.9	744.9	767.1
17.5°	522.8	550.1	574.6	607.0	639.4	656.5	670.9	702.3	739.4	769.9	790.2
20°	511.3	539.0	571.4	605.6	644.0	657.5	676.4	718.5	751.8	781.9	815.2
22.5°	497.8	530.2	564.5	597.3	637.1	665.3	686.1	723.2	763.4	798.1	835.6
25°	484.9	520.0	550.1	595.0	637.1	656.1	679.7	723.6	767.6	809.7	848.1
27.5°	471.0	503.9	544.6	580.2	627.9	648.7	674.1	722.2	769.0	811.1	852.2
30°	455.7	490.9	524.7	566.8	613.0	639.9	663.5	715.8	763.4	807.4	845.8
32.5°	438.6	471.9	508.0	547.8	596.4	623.7	653.3	707.0	757.9	795.8	825.4
35°	420.6	454.3	485.8	526.5	576.5	603.8	632.5	691.7	742.1	773.1	790.2
37.5°	400.7	432.6	463.6	503.9	553.8	583.0	612.1	669.5	717.1	743.1	738.4
40°	381.7	410.4	439.1	477.0	529.3	560.3	585.7	643.6	685.2	696.3	681.1
42.5°	360.0	384.5	412.2	451.1	502.0	531.2	563.1	615.8	646.8	642.2	616.3
45°	335.4	357.2	384.9	421.5	473.3	503.4	530.2	580.2	602.9	591.3	544.1
47.5°	311.8	333.1	355.8	392.3	442.8	468.2	495.5	540.4	553.4	528.8	481.6
50°	286.4	304.0	327.6	362.3	409.5	436.3	459.0	495.1	499.7	469.6	420.6
52.5°	261.9	276.7	299.4	333.6	377.5	398.8	421.0	453.0	449.3	418.3	371.1
55°	236.0	249.8	270.7	302.1	341.0	361.3	380.3	408.5	400.7	368.8	327.6
57.5°	214.2	223.9	244.3	273.4	305.4	327.6	343.8	366.0	353.9	322.0	283.6
60°	189.2	201.3	218.4	242.0	273.4	288.2	302.6	317.4	309.1	278.5	244.3
62.5°	166.6	175.8	190.6	213.3	237.8	251.2	266.5	275.8	267.4	239.2	210.5
65°	147.1	154.5	166.1	184.6	208.2	219.3	228.1	236.9	229.9	203.6	182.8
67.5°	125.8	132.3	142.0	156.8	176.7	184.6	192.9	199.0	191.1	173.5	153.1
70°	106.9	111.5	120.8	131.9	145.7	153.1	160.1	166.1	159.2	144.4	129.1
72.5°	87.4	91.1	99.5	107.3	119.8	124.9	130.0	134.6	132.3	118.4	106.0
75°	72.2	73.6	79.1	85.6	93.5	99.0	102.7	105.5	103.6	92.5	84.7
77.5°	54.6	56.4	60.6	65.7	72.6	75.9	78.2	81.0	78.7	69.9	64.3
80°	39.8	40.3	42.6	47.2	51.8	52.3	54.6	58.3	56.9	50.9	46.7
82.5°	25.4	26.8	27.8	30.5	33.8	34.7	36.1	37.0	36.6	32.8	31.5
85°	14.8	14.8	15.7	17.6	18.5	19.9	20.4	20.8	21.7	19.4	18.0
87.5°	6.5	6.9	6.9	7.4	8.3	8.3	8.8	9.3	9.7	9.3	7.9
90°	1.0	3.0	6.0	6.9	7.9	7.9	7.9	13.9	13.9	15.9	17.9
92.5°	13.9	19.9	30.8	45.7	63.5	76.4	89.3	150.9	247.2	340.5	389.1
95°	32.8	35.7	45.7	58.6	82.4	103.2	124.1	210.4	373.2	610.5	809.0
97.5°	54.6	54.6	63.5	75.4	96.3	114.2	132.0	200.5	340.5	584.7	865.6
100°	75.4	75.4	82.4	94.3	113.2	129.0	144.9	203.5	315.7	518.2	798.1
102.5°	95.3	97.3	103.2	114.2	132.0	146.9	161.8	213.4	308.7	473.5	713.7
105°	116.1	119.1	124.1	136.0	153.9	168.3	182.7	230.3	312.7	451.7	651.2
107.5°	139.0	141.0	145.9	158.8	175.7	190.1	204.5	248.2	324.6	445.7	610.5
110°	161.8	163.8	168.8	180.7	198.5	211.9	225.3	269.0	338.5	447.7	591.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	183.6	185.6	191.6	202.5	220.4	233.8	247.2	288.9	353.4	453.7	582.7
115°	204.5	207.5	214.4	224.3	243.2	256.6	270.0	309.7	369.3	461.6	580.7
117.5°	226.3	229.3	235.3	246.2	264.1	278.0	291.8	329.6	385.2	469.5	579.7
120°	248.2	250.2	257.1	268.0	284.9	298.8	312.7	350.4	402.0	478.5	579.7
122.5°	268.0	270.0	277.0	286.9	305.7	319.1	332.5	370.3	417.9	487.4	578.7
125°	284.9	288.9	294.8	305.7	324.6	338.5	352.4	388.1	433.8	496.3	577.7
127.5°	300.8	303.8	310.7	322.6	342.5	356.4	370.3	405.0	447.7	503.3	575.8
130°	313.7	317.7	325.6	340.5	359.3	373.7	388.1	421.9	460.6	511.2	574.8
132.5°	326.6	329.6	340.5	354.4	375.2	388.6	402.0	435.8	473.5	518.2	573.8
135°	338.5	342.5	352.4	369.3	390.1	403.0	415.9	448.7	484.4	525.1	572.8
137.5°	350.4	354.4	365.3	381.2	403.0	415.4	427.8	458.6	492.4	529.1	572.8
140°	363.3	366.3	377.2	394.1	414.9	426.8	438.8	468.5	500.3	534.1	571.8
142.5°	377.2	380.2	390.1	406.0	425.9	437.3	448.7	477.5	506.3	538.0	571.8
145°	390.1	393.1	403.0	416.9	435.8	446.7	457.6	483.4	510.2	539.0	569.8
147.5°	405.0	406.0	414.9	429.8	445.7	455.6	465.6	490.4	514.2	540.0	566.8
150°	418.9	419.9	427.8	439.8	454.6	464.0	473.5	495.3	517.2	540.0	563.8
152.5°	431.8	431.8	439.8	450.7	463.6	472.0	480.5	499.3	519.2	538.0	558.9
155°	443.7	444.7	450.7	460.6	471.5	479.0	486.4	503.3	520.2	536.0	553.9
157.5°	455.6	455.6	461.6	469.5	479.5	485.4	491.4	506.3	520.2	534.1	548.9
160°	466.6	466.6	470.5	477.5	485.4	490.8	496.3	508.2	520.2	531.1	543.0
162.5°	476.5	475.5	478.5	484.4	491.4	495.4	499.3	510.2	520.2	528.1	537.0
165°	483.4	483.4	485.4	490.4	495.3	498.3	501.3	510.2	518.2	524.1	531.1
167.5°	491.4	490.4	491.4	495.3	498.3	500.8	503.3	510.2	516.2	520.2	525.1
170°	496.3	495.3	496.3	499.3	501.3	502.8	504.3	509.2	514.2	516.2	519.2
172.5°	501.3	500.3	500.3	502.3	503.3	504.3	505.3	508.2	512.2	512.2	513.2
175°	504.3	503.3	503.3	504.3	505.3	505.3	505.3	507.3	510.2	509.2	509.2
177.5°	506.3	505.3	504.3	505.3	505.3	505.3	505.3	506.3	508.2	506.3	506.3
180°	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4
2.5°	583.4	591.8	595.5	596.4	601.5	598.2	599.6	599.2	602.9	603.3	603.3
5°	626.0	635.7	639.0	643.6	650.5	652.4	651.0	653.8	658.8	655.1	660.7
7.5°	670.9	681.5	688.9	699.1	701.4	707.4	711.1	714.4	715.3	715.8	716.7
10°	712.5	725.9	736.1	753.2	756.9	760.2	776.4	769.9	778.2	775.4	776.4
12.5°	746.3	772.7	781.0	809.7	812.5	823.6	822.6	832.8	834.7	838.4	834.7
15°	790.7	821.2	834.7	850.9	860.1	873.1	875.4	889.3	894.8	899.9	894.8
17.5°	831.4	847.6	881.9	894.8	900.8	907.8	925.4	930.4	938.8	935.5	944.8
20°	851.8	874.9	911.0	933.2	942.5	948.9	963.8	971.6	974.9	974.9	975.8
22.5°	869.8	903.1	930.0	955.4	963.8	968.4	977.2	983.2	984.6	985.5	986.4
25°	886.0	916.1	937.8	952.2	955.4	955.4	960.5	956.8	950.8	955.4	958.2
27.5°	886.0	907.3	917.0	922.1	922.1	909.6	902.2	886.9	874.0	870.3	878.6
30°	871.2	880.9	867.5	855.0	845.3	837.0	807.8	784.7	780.1	776.8	789.3
32.5°	837.0	824.5	798.1	762.0	747.7	728.7	706.0	688.5	677.8	674.1	671.3
35°	776.4	744.0	709.7	661.2	651.0	626.9	595.9	583.0	565.4	564.9	570.9
37.5°	710.2	660.2	623.2	577.0	562.6	537.2	508.0	494.6	482.6	473.3	484.4
40°	632.9	589.4	533.0	495.1	474.7	461.3	436.8	422.0	416.4	411.8	418.7
42.5°	560.8	513.1	469.2	430.3	413.6	398.4	382.2	367.8	363.7	363.2	368.3
45°	489.0	442.3	401.6	368.3	357.6	348.4	332.7	328.5	321.6	316.9	319.2
47.5°	431.7	383.6	349.8	324.3	315.1	307.2	297.0	290.1	284.1	282.2	285.0
50°	375.2	342.8	308.1	286.9	279.9	272.5	264.7	258.2	255.4	253.5	255.4
52.5°	329.9	295.2	271.6	254.5	247.5	242.0	236.4	233.7	229.9	230.9	232.7
55°	289.2	258.6	238.7	226.2	222.1	219.8	212.8	209.6	208.2	207.3	208.2
57.5°	250.8	228.6	213.8	203.1	197.6	196.2	190.6	190.6	189.2	187.8	188.3
60°	220.2	201.3	186.9	178.6	177.7	175.4	171.7	171.2	168.0	169.3	169.8
62.5°	189.2	174.0	164.2	159.2	155.9	155.0	152.7	152.2	150.8	151.3	150.4
65°	164.7	152.2	142.5	138.3	137.0	136.5	134.6	133.3	132.3	133.3	132.3
67.5°	140.2	131.9	124.5	120.3	118.4	118.0	116.6	115.7	116.1	114.7	115.7
70°	117.1	108.7	104.1	101.8	100.9	99.5	99.5	99.5	99.5	98.5	98.1
72.5°	98.5	90.2	87.0	85.6	84.7	84.2	82.8	83.3	82.8	82.4	84.2
75°	78.2	73.1	69.9	68.5	69.4	68.0	66.6	67.6	66.2	66.6	68.5
77.5°	59.2	56.9	55.1	54.1	53.2	52.3	52.3	51.4	51.4	51.4	51.4
80°	43.0	42.6	39.3	38.9	38.9	37.9	37.9	37.9	37.9	37.5	37.9
82.5°	28.7	28.2	27.3	26.8	25.9	26.4	26.4	25.4	25.4	25.0	25.4
85°	16.7	16.7	15.7	15.3	14.8	15.3	14.3	13.9	14.3	13.9	14.3
87.5°	7.9	6.9	7.4	6.9	6.0	6.5	5.6	6.0	5.6	5.1	6.0
90°	16.9	17.9	18.9	19.9	19.9	19.9	20.8	21.8	20.8	20.8	20.8
92.5°	323.6	239.2	178.7	141.0	128.6	116.1	101.3	94.3	90.3	90.3	90.3
95°	831.9	735.6	581.7	448.7	400.5	352.4	303.8	273.0	255.1	242.2	255.1
97.5°	1043.3	1059.2	982.7	873.6	818.0	762.4	694.9	635.3	605.5	581.7	605.5
100°	1052.2	1197.2	1217.0	1168.4	1131.6	1094.9	1008.6	948.0	918.2	910.3	918.2
102.5°	977.8	1190.2	1308.3	1338.1	1328.2	1318.3	1273.6	1233.9	1202.1	1196.2	1202.1
105°	884.5	1111.8	1283.5	1381.8	1402.2	1422.5	1424.5	1416.5	1402.6	1396.7	1402.6
107.5°	808.0	1015.5	1201.1	1338.1	1379.8	1421.5	1465.2	1483.1	1491.0	1492.0	1491.0
110°	753.4	930.1	1101.9	1245.8	1300.4	1355.0	1425.5	1467.2	1485.0	1494.0	1485.0

TEST NUMBER: P1001138

CATALOG NUMBER: SA4XXDIP-B350D1035UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	722.7	867.6	1014.5	1148.5	1203.1	1257.7	1340.1	1392.7	1419.5	1435.4	1419.5
115°	705.8	829.9	952.0	1068.1	1115.8	1163.4	1241.8	1301.4	1333.2	1341.1	1333.2
117.5°	696.9	808.0	911.3	1005.6	1047.3	1089.0	1158.4	1210.1	1243.8	1248.8	1243.8
120°	689.9	794.1	886.5	965.9	1001.2	1036.4	1092.9	1136.6	1162.4	1173.3	1162.4
122.5°	682.0	782.2	870.6	941.1	970.8	1000.6	1046.3	1082.0	1102.9	1113.8	1102.9
125°	673.0	768.3	853.7	922.2	949.5	976.8	1016.5	1045.3	1064.1	1070.1	1064.1
127.5°	661.1	752.4	834.8	903.3	929.2	955.0	994.7	1020.5	1036.4	1042.3	1036.4
130°	650.2	732.6	811.0	878.5	904.8	931.1	971.8	996.6	1012.5	1018.5	1012.5
132.5°	640.3	711.7	784.2	849.7	876.0	902.3	942.0	970.8	985.7	991.7	985.7
135°	630.3	692.9	757.4	818.0	842.8	867.6	907.3	935.1	951.0	956.9	951.0
137.5°	621.4	675.0	731.6	784.2	807.0	829.9	867.6	896.4	909.3	916.2	909.3
140°	614.5	660.1	706.8	751.5	772.3	793.1	827.9	849.7	863.6	871.6	863.6
142.5°	608.5	646.2	685.9	722.7	740.0	757.4	787.2	807.0	819.0	823.9	819.0
145°	601.6	633.3	667.1	696.9	710.8	724.7	749.5	766.3	776.3	781.2	776.3
147.5°	595.6	622.4	650.2	675.0	686.4	697.8	716.7	731.6	739.5	741.5	739.5
150°	588.7	612.5	635.3	655.2	664.1	673.0	688.9	701.8	707.8	708.8	707.8
152.5°	580.7	601.6	620.4	638.3	645.2	652.2	665.1	675.0	678.0	679.0	678.0
155°	572.8	590.6	606.5	621.4	627.3	633.3	643.3	651.2	654.2	654.2	654.2
157.5°	564.8	578.7	592.6	605.5	610.5	615.5	623.4	629.4	631.3	631.3	631.3
160°	555.9	567.8	578.7	589.6	593.6	597.6	603.5	609.5	610.5	610.5	610.5
162.5°	548.0	556.9	565.8	573.8	577.2	580.7	584.7	590.6	591.6	590.6	591.6
165°	539.0	547.0	552.9	559.9	562.3	564.8	568.8	572.8	571.8	570.8	571.8
167.5°	531.1	537.0	542.0	548.0	549.4	550.9	552.9	555.9	555.9	554.9	555.9
170°	523.1	528.1	531.1	535.1	536.6	538.0	540.0	541.0	540.0	540.0	540.0
172.5°	516.2	520.2	522.1	524.1	525.1	526.1	527.1	528.1	527.1	525.1	527.1
175°	511.2	513.2	514.2	516.2	516.2	516.2	516.2	518.2	516.2	514.2	516.2
177.5°	507.3	508.2	509.2	509.2	509.7	510.2	509.2	510.2	508.2	506.3	508.2
180°	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3

TEST NUMBER: P1001138

CATALOG NUMBER: SA4XXDIP-B350D1035UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4
2.5°	602.4	601.0	599.2	599.2	596.9	596.9	593.1	586.7	581.1	579.3	580.2
5°	653.8	654.2	651.4	649.1	645.0	641.7	635.7	624.1	620.4	613.0	608.0
7.5°	712.5	710.7	705.6	701.9	701.0	693.6	680.6	666.7	655.6	648.2	637.6
10°	778.7	771.3	763.9	761.6	756.0	743.5	728.7	713.4	698.2	682.0	663.9
12.5°	834.2	819.9	819.4	813.8	803.2	796.3	778.7	756.9	730.6	712.5	692.2
15°	893.9	880.5	869.4	859.2	854.1	833.7	818.9	791.6	760.2	740.7	726.9
17.5°	936.5	930.4	911.5	906.8	899.9	876.3	852.7	825.9	798.6	771.3	733.8
20°	970.7	967.0	954.5	948.0	936.9	918.4	889.7	858.7	827.3	788.4	753.2
22.5°	985.5	980.9	970.7	965.1	958.2	942.5	917.9	882.8	841.6	806.9	769.4
25°	956.3	964.7	961.9	959.6	956.8	947.6	929.1	898.1	857.8	818.5	771.7
27.5°	890.6	905.0	918.9	920.7	925.4	929.1	921.6	899.4	865.7	824.0	772.7
30°	802.3	808.8	837.0	845.3	851.8	875.4	889.3	883.7	857.8	820.3	773.1
32.5°	688.9	706.0	734.7	754.6	772.2	798.6	834.7	849.0	839.8	809.2	762.5
35°	581.6	601.9	635.3	660.7	678.3	715.8	758.3	789.3	800.9	785.6	744.0
37.5°	493.7	518.2	547.8	557.5	577.9	624.1	682.9	725.9	754.2	755.5	723.2
40°	427.5	440.0	463.6	478.4	498.3	537.2	594.5	651.4	694.0	708.4	691.2
42.5°	371.5	381.2	398.8	416.9	434.9	464.5	517.3	570.5	627.9	656.5	656.1
45°	327.1	337.3	349.3	364.1	376.6	408.5	450.2	504.8	554.3	598.7	609.8
47.5°	288.2	297.0	311.8	318.3	326.6	356.7	392.8	443.7	495.1	546.0	558.9
50°	259.6	267.0	277.1	281.3	290.6	312.8	342.4	383.6	440.5	487.2	511.3
52.5°	233.7	239.2	247.1	250.3	256.8	273.4	300.3	332.7	379.9	428.0	461.7
55°	211.4	215.1	220.7	224.4	229.0	243.8	263.7	292.9	333.6	375.2	408.1
57.5°	190.6	193.4	199.0	200.8	204.5	216.1	229.9	254.5	291.9	329.0	360.9
60°	171.2	173.0	176.3	180.4	183.2	191.1	204.0	224.4	254.5	288.2	314.2
62.5°	152.7	155.5	156.4	158.2	160.5	168.0	178.1	192.9	219.3	247.1	274.4
65°	133.7	136.0	137.9	138.3	140.7	146.2	155.5	168.4	185.5	209.6	235.0
67.5°	116.1	117.5	118.4	120.3	122.6	125.4	132.8	142.5	158.2	177.7	198.0
70°	99.9	99.9	101.3	101.8	104.6	107.8	111.0	120.3	134.2	149.9	163.8
72.5°	82.4	84.7	84.2	86.5	86.1	88.4	92.5	98.5	108.7	121.2	134.6
75°	67.1	68.5	68.5	68.5	69.4	71.3	73.6	79.1	87.0	97.2	105.0
77.5°	52.3	53.2	53.2	53.2	53.7	55.5	57.8	61.5	67.1	73.1	77.7
80°	37.5	38.4	38.4	39.3	39.3	39.8	42.1	44.0	46.7	51.4	56.0
82.5°	25.4	25.9	26.8	26.8	26.4	27.3	27.8	29.6	32.4	33.3	36.6
85°	13.9	14.3	14.8	14.8	15.3	16.2	15.7	17.6	17.6	19.4	20.4
87.5°	5.6	6.5	6.5	6.0	6.5	6.5	6.5	7.4	7.9	8.3	7.9
90°	21.8	20.8	19.9	19.9	19.9	18.9	17.9	16.9	17.9	15.9	13.9
92.5°	94.3	101.3	116.1	128.6	141.0	178.7	239.2	323.6	389.1	340.5	247.2
95°	273.0	303.8	352.4	400.5	448.7	581.7	735.6	831.9	809.0	610.5	373.2
97.5°	635.3	694.9	762.4	818.0	873.6	982.7	1059.2	1043.3	865.6	584.7	340.5
100°	948.0	1008.6	1094.9	1131.6	1168.4	1217.0	1197.2	1052.2	798.1	518.2	315.7
102.5°	1233.9	1273.6	1318.3	1328.2	1338.1	1308.3	1190.2	977.8	713.7	473.5	308.7
105°	1416.5	1424.5	1422.5	1402.2	1381.8	1283.5	1111.8	884.5	651.2	451.7	312.7
107.5°	1483.1	1465.2	1421.5	1379.8	1338.1	1201.1	1015.5	808.0	610.5	445.7	324.6
110°	1467.2	1425.5	1355.0	1300.4	1245.8	1101.9	930.1	753.4	591.6	447.7	338.5

TEST NUMBER: P1001138

CATALOG NUMBER: SA4XXDIP-B350D1035UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1392.7	1340.1	1257.7	1203.1	1148.5	1014.5	867.6	722.7	582.7	453.7	353.4
115°	1301.4	1241.8	1163.4	1115.8	1068.1	952.0	829.9	705.8	580.7	461.6	369.3
117.5°	1210.1	1158.4	1089.0	1047.3	1005.6	911.3	808.0	696.9	579.7	469.5	385.2
120°	1136.6	1092.9	1036.4	1001.2	965.9	886.5	794.1	689.9	579.7	478.5	402.0
122.5°	1082.0	1046.3	1000.6	970.8	941.1	870.6	782.2	682.0	578.7	487.4	417.9
125°	1045.3	1016.5	976.8	949.5	922.2	853.7	768.3	673.0	577.7	496.3	433.8
127.5°	1020.5	994.7	955.0	929.2	903.3	834.8	752.4	661.1	575.8	503.3	447.7
130°	996.6	971.8	931.1	904.8	878.5	811.0	732.6	650.2	574.8	511.2	460.6
132.5°	970.8	942.0	902.3	876.0	849.7	784.2	711.7	640.3	573.8	518.2	473.5
135°	935.1	907.3	867.6	842.8	818.0	757.4	692.9	630.3	572.8	525.1	484.4
137.5°	896.4	867.6	829.9	807.0	784.2	731.6	675.0	621.4	572.8	529.1	492.4
140°	849.7	827.9	793.1	772.3	751.5	706.8	660.1	614.5	571.8	534.1	500.3
142.5°	807.0	787.2	757.4	740.0	722.7	685.9	646.2	608.5	571.8	538.0	506.3
145°	766.3	749.5	724.7	710.8	696.9	667.1	633.3	601.6	569.8	539.0	510.2
147.5°	731.6	716.7	697.8	686.4	675.0	650.2	622.4	595.6	566.8	540.0	514.2
150°	701.8	688.9	673.0	664.1	655.2	635.3	612.5	588.7	563.8	540.0	517.2
152.5°	675.0	665.1	652.2	645.2	638.3	620.4	601.6	580.7	558.9	538.0	519.2
155°	651.2	643.3	633.3	627.3	621.4	606.5	590.6	572.8	553.9	536.0	520.2
157.5°	629.4	623.4	615.5	610.5	605.5	592.6	578.7	564.8	548.9	534.1	520.2
160°	609.5	603.5	597.6	593.6	589.6	578.7	567.8	555.9	543.0	531.1	520.2
162.5°	590.6	584.7	580.7	577.2	573.8	565.8	556.9	548.0	537.0	528.1	520.2
165°	572.8	568.8	564.8	562.3	559.9	552.9	547.0	539.0	531.1	524.1	518.2
167.5°	555.9	552.9	550.9	549.4	548.0	542.0	537.0	531.1	525.1	520.2	516.2
170°	541.0	540.0	538.0	536.6	535.1	531.1	528.1	523.1	519.2	516.2	514.2
172.5°	528.1	527.1	526.1	525.1	524.1	522.1	520.2	516.2	513.2	512.2	512.2
175°	518.2	516.2	516.2	516.2	516.2	514.2	513.2	511.2	509.2	509.2	510.2
177.5°	510.2	509.2	510.2	509.7	509.2	509.2	508.2	507.3	506.3	506.3	508.2
180°	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3

TEST NUMBER: P1001138

CATALOG NUMBER: SA4XXDIP-B350D1035UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4
2.5°	576.0	574.2	572.8	572.8	568.6	564.5	562.2	561.2	560.3	556.6	551.5
5°	599.6	593.6	589.4	585.3	578.3	570.9	563.5	559.4	553.4	545.0	539.0
7.5°	626.0	611.7	607.0	601.9	588.1	575.6	565.4	556.6	546.9	536.2	525.6
10°	648.2	632.9	622.8	614.0	595.9	579.3	564.0	551.0	538.6	524.7	511.7
12.5°	669.5	647.7	637.1	624.1	605.2	581.1	561.2	545.0	526.5	512.2	496.5
15°	699.1	662.6	645.0	636.6	611.2	583.0	558.9	534.9	519.6	497.8	484.0
17.5°	703.7	674.1	662.6	641.3	610.7	578.8	551.0	527.0	503.9	484.4	466.4
20°	719.9	681.1	662.6	649.1	608.9	576.5	546.0	515.0	492.7	471.9	451.6
22.5°	730.1	686.1	666.7	645.4	607.0	568.2	532.1	505.2	477.9	456.7	440.5
25°	727.3	683.4	661.6	641.7	595.0	556.1	523.7	489.5	464.1	440.9	419.6
27.5°	725.9	676.4	653.3	631.1	587.1	546.4	505.7	477.9	449.7	422.9	407.2
30°	722.2	667.6	640.8	616.7	570.9	528.4	493.7	461.3	433.1	408.5	387.7
32.5°	709.7	652.8	626.9	601.0	553.4	510.8	475.6	445.6	417.3	391.9	372.0
35°	693.1	635.3	607.0	579.7	532.1	489.0	456.7	425.2	398.8	374.3	355.3
37.5°	676.4	614.9	588.5	557.1	513.1	468.2	434.9	406.7	382.2	356.7	335.9
40°	652.4	590.8	561.7	534.9	483.5	441.4	410.9	385.4	361.3	337.3	319.7
42.5°	619.5	564.5	534.4	504.8	456.7	415.0	385.4	362.7	340.1	320.2	300.7
45°	586.2	532.5	505.7	479.3	427.0	387.7	360.4	339.6	320.6	298.9	283.2
47.5°	546.0	500.6	473.8	447.9	398.4	359.0	334.1	314.6	297.0	279.0	264.2
50°	504.8	465.5	440.9	414.1	366.9	331.3	306.8	290.6	276.2	259.1	247.1
52.5°	460.4	426.1	405.3	379.4	337.8	304.9	279.9	263.7	251.7	239.2	228.6
55°	413.2	388.2	366.0	345.2	305.8	276.2	254.0	239.7	231.3	219.8	210.5
57.5°	370.6	346.5	333.1	309.5	275.3	246.1	228.6	216.5	206.8	199.9	192.5
60°	326.2	306.8	291.9	274.8	244.8	220.2	201.7	194.8	184.6	179.5	176.3
62.5°	283.6	269.7	255.9	242.9	216.1	192.9	179.1	170.3	164.2	159.2	156.4
65°	243.4	230.4	220.7	209.1	186.9	168.4	155.5	148.5	142.5	141.1	137.9
67.5°	204.0	198.5	187.8	178.6	159.6	145.3	135.6	126.8	123.5	122.1	119.4
70°	170.7	164.2	155.9	148.1	133.7	121.2	112.4	109.2	104.6	104.1	100.9
72.5°	140.7	132.8	126.8	120.8	110.1	99.0	94.4	89.8	87.4	85.6	84.2
75°	111.5	106.0	101.8	96.7	87.4	80.0	73.6	71.7	70.3	69.9	68.9
77.5°	83.3	79.6	77.7	72.6	66.2	59.7	56.9	54.1	54.1	53.2	53.7
80°	59.2	56.9	54.6	51.8	46.3	43.5	41.2	39.3	38.4	37.9	38.4
82.5°	37.5	36.1	35.6	33.8	30.1	28.7	26.8	25.4	25.4	25.4	25.4
85°	20.8	20.8	20.8	18.0	16.7	15.3	14.3	13.9	13.9	13.9	14.3
87.5°	8.8	8.8	7.4	7.4	6.9	6.0	5.6	5.6	6.0	6.0	6.5
90°	13.9	7.9	7.9	7.9	6.9	6.0	3.0	1.0	3.0	6.0	6.9
92.5°	150.9	89.3	76.4	63.5	45.7	30.8	19.9	13.9	19.9	30.8	45.7
95°	210.4	124.1	103.2	82.4	58.6	45.7	35.7	32.8	35.7	45.7	58.6
97.5°	200.5	132.0	114.2	96.3	75.4	63.5	54.6	54.6	54.6	63.5	75.4
100°	203.5	144.9	129.0	113.2	94.3	82.4	75.4	75.4	75.4	82.4	94.3
102.5°	213.4	161.8	146.9	132.0	114.2	103.2	97.3	95.3	97.3	103.2	114.2
105°	230.3	182.7	168.3	153.9	136.0	124.1	119.1	116.1	119.1	124.1	136.0
107.5°	248.2	204.5	190.1	175.7	158.8	145.9	141.0	139.0	141.0	145.9	158.8
110°	269.0	225.3	211.9	198.5	180.7	168.8	163.8	161.8	163.8	168.8	180.7

TEST NUMBER: P1001138

CATALOG NUMBER: SA4XXDIP-B350D1035UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	288.9	247.2	233.8	220.4	202.5	191.6	185.6	183.6	185.6	191.6	202.5
115°	309.7	270.0	256.6	243.2	224.3	214.4	207.5	204.5	207.5	214.4	224.3
117.5°	329.6	291.8	278.0	264.1	246.2	235.3	229.3	226.3	229.3	235.3	246.2
120°	350.4	312.7	298.8	284.9	268.0	257.1	250.2	248.2	250.2	257.1	268.0
122.5°	370.3	332.5	319.1	305.7	286.9	277.0	270.0	268.0	270.0	277.0	286.9
125°	388.1	352.4	338.5	324.6	305.7	294.8	288.9	284.9	288.9	294.8	305.7
127.5°	405.0	370.3	356.4	342.5	322.6	310.7	303.8	300.8	303.8	310.7	322.6
130°	421.9	388.1	373.7	359.3	340.5	325.6	317.7	313.7	317.7	325.6	340.5
132.5°	435.8	402.0	388.6	375.2	354.4	340.5	329.6	326.6	329.6	340.5	354.4
135°	448.7	415.9	403.0	390.1	369.3	352.4	342.5	338.5	342.5	352.4	369.3
137.5°	458.6	427.8	415.4	403.0	381.2	365.3	354.4	350.4	354.4	365.3	381.2
140°	468.5	438.8	426.8	414.9	394.1	377.2	366.3	363.3	366.3	377.2	394.1
142.5°	477.5	448.7	437.3	425.9	406.0	390.1	380.2	377.2	380.2	390.1	406.0
145°	483.4	457.6	446.7	435.8	416.9	403.0	393.1	390.1	393.1	403.0	416.9
147.5°	490.4	465.6	455.6	445.7	429.8	414.9	406.0	405.0	406.0	414.9	429.8
150°	495.3	473.5	464.0	454.6	439.8	427.8	419.9	418.9	419.9	427.8	439.8
152.5°	499.3	480.5	472.0	463.6	450.7	439.8	431.8	431.8	431.8	439.8	450.7
155°	503.3	486.4	479.0	471.5	460.6	450.7	444.7	443.7	444.7	450.7	460.6
157.5°	506.3	491.4	485.4	479.5	469.5	461.6	455.6	455.6	455.6	461.6	469.5
160°	508.2	496.3	490.8	485.4	477.5	470.5	466.6	466.6	466.6	470.5	477.5
162.5°	510.2	499.3	495.4	491.4	484.4	478.5	475.5	476.5	475.5	478.5	484.4
165°	510.2	501.3	498.3	495.3	490.4	485.4	483.4	483.4	483.4	485.4	490.4
167.5°	510.2	503.3	500.8	498.3	495.3	491.4	490.4	491.4	490.4	491.4	495.3
170°	509.2	504.3	502.8	501.3	499.3	496.3	495.3	496.3	495.3	496.3	499.3
172.5°	508.2	505.3	504.3	503.3	502.3	500.3	500.3	501.3	500.3	500.3	502.3
175°	507.3	505.3	505.3	505.3	504.3	503.3	503.3	504.3	503.3	503.3	504.3
177.5°	506.3	505.3	505.3	505.3	505.3	504.3	505.3	506.3	505.3	504.3	505.3
180°	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3

TEST NUMBER: P1001138

CATALOG NUMBER: SA4XXDIP-B350D1035UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4
2.5°	550.1	548.3	549.2	544.6	540.4	534.4	529.3	528.4	527.4	530.2	528.4
5°	534.4	532.1	529.8	524.2	515.9	510.8	503.4	502.9	500.2	496.0	496.9
7.5°	517.3	515.9	512.6	503.9	496.5	487.7	481.6	476.6	474.2	470.5	469.2
10°	503.4	498.3	495.5	485.8	477.0	467.8	459.9	456.2	452.0	448.8	446.5
12.5°	484.4	483.0	475.2	467.3	459.9	449.3	443.2	432.6	427.0	429.8	428.9
15°	471.9	465.5	463.6	452.5	440.0	433.1	422.0	415.0	412.7	408.5	403.5
17.5°	455.3	451.1	444.6	434.5	420.1	410.4	402.5	396.1	393.3	387.7	383.6
20°	439.5	432.6	427.5	418.3	404.4	391.9	382.2	378.0	371.1	366.4	364.1
22.5°	425.2	420.1	412.7	398.8	386.8	374.8	363.2	357.2	350.7	347.9	344.2
25°	407.6	399.3	394.2	378.9	366.0	356.3	345.6	337.8	334.1	329.4	328.5
27.5°	390.5	382.6	376.6	363.2	347.5	335.0	328.5	322.9	316.5	316.5	314.2
30°	373.4	367.8	358.6	345.6	330.8	318.8	311.4	306.3	304.0	302.1	301.7
32.5°	356.3	348.9	343.3	325.7	314.6	303.5	298.0	293.8	291.0	290.6	291.0
35°	338.7	330.4	324.8	309.1	298.0	287.8	285.5	281.8	280.4	279.9	282.2
37.5°	320.2	313.7	306.8	293.8	281.3	275.3	270.7	269.3	268.8	271.6	272.5
40°	303.1	297.5	291.0	277.1	267.9	261.4	259.1	257.7	259.6	262.3	263.7
42.5°	286.9	279.0	273.9	261.4	253.1	249.4	246.6	246.6	248.5	251.7	254.0
45°	269.7	263.7	258.6	247.5	240.1	236.0	235.5	236.0	238.3	240.6	243.4
47.5°	253.1	247.1	241.5	232.3	225.8	223.5	223.0	223.5	227.2	230.4	233.7
50°	237.8	231.3	226.2	217.5	212.4	209.6	210.1	212.4	215.1	219.8	223.9
52.5°	219.8	215.1	210.5	202.7	198.0	196.2	197.6	199.4	204.5	207.7	212.8
55°	202.2	198.0	194.3	188.3	184.6	183.2	184.1	186.9	191.1	196.6	202.7
57.5°	186.0	181.4	177.7	173.5	169.3	169.8	170.3	174.0	179.1	184.1	191.1
60°	168.0	165.2	161.9	156.8	155.0	155.0	156.4	160.5	165.2	173.5	179.5
62.5°	151.8	148.1	145.7	142.5	139.7	140.2	143.4	147.1	152.7	159.6	167.5
65°	135.1	130.9	129.1	126.3	125.4	125.8	128.2	133.7	139.7	145.7	153.1
67.5°	116.6	115.2	113.4	110.6	111.5	112.0	114.3	118.9	125.4	131.4	139.7
70°	100.9	98.1	97.6	95.3	95.3	96.7	101.3	104.6	110.6	117.1	125.8
72.5°	84.2	81.9	81.9	80.0	81.4	82.8	85.1	89.8	95.3	101.8	109.2
75°	67.1	66.2	67.1	66.2	66.2	68.5	71.3	75.0	81.0	87.9	93.9
77.5°	51.8	51.8	51.4	52.7	52.7	54.1	57.8	61.5	66.2	71.7	78.2
80°	37.9	37.9	37.9	39.3	40.7	40.7	43.0	47.7	51.8	55.5	61.5
82.5°	25.9	25.9	25.9	26.8	28.7	28.7	31.5	34.2	38.9	42.1	44.9
85°	15.7	15.7	15.3	16.2	16.7	18.0	20.4	22.2	24.5	27.3	30.1
87.5°	6.9	6.9	7.4	7.9	8.3	9.3	10.2	11.1	13.4	14.3	15.7
90°	7.9	7.9	7.9	13.9	13.9	15.9	17.9	16.9	17.9	18.9	19.9
92.5°	63.5	76.4	89.3	150.9	247.2	340.5	389.1	323.6	239.2	178.7	141.0
95°	82.4	103.2	124.1	210.4	373.2	610.5	809.0	831.9	735.6	581.7	448.7
97.5°	96.3	114.2	132.0	200.5	340.5	584.7	865.6	1043.3	1059.2	982.7	873.6
100°	113.2	129.0	144.9	203.5	315.7	518.2	798.1	1052.2	1197.2	1217.0	1168.4
102.5°	132.0	146.9	161.8	213.4	308.7	473.5	713.7	977.8	1190.2	1308.3	1338.1
105°	153.9	168.3	182.7	230.3	312.7	451.7	651.2	884.5	1111.8	1283.5	1381.8
107.5°	175.7	190.1	204.5	248.2	324.6	445.7	610.5	808.0	1015.5	1201.1	1338.1
110°	198.5	211.9	225.3	269.0	338.5	447.7	591.6	753.4	930.1	1101.9	1245.8

TEST NUMBER: P1001138

CATALOG NUMBER: SA4XXDIP-B350D1035UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	220.4	233.8	247.2	288.9	353.4	453.7	582.7	722.7	867.6	1014.5	1148.5
115°	243.2	256.6	270.0	309.7	369.3	461.6	580.7	705.8	829.9	952.0	1068.1
117.5°	264.1	278.0	291.8	329.6	385.2	469.5	579.7	696.9	808.0	911.3	1005.6
120°	284.9	298.8	312.7	350.4	402.0	478.5	579.7	689.9	794.1	886.5	965.9
122.5°	305.7	319.1	332.5	370.3	417.9	487.4	578.7	682.0	782.2	870.6	941.1
125°	324.6	338.5	352.4	388.1	433.8	496.3	577.7	673.0	768.3	853.7	922.2
127.5°	342.5	356.4	370.3	405.0	447.7	503.3	575.8	661.1	752.4	834.8	903.3
130°	359.3	373.7	388.1	421.9	460.6	511.2	574.8	650.2	732.6	811.0	878.5
132.5°	375.2	388.6	402.0	435.8	473.5	518.2	573.8	640.3	711.7	784.2	849.7
135°	390.1	403.0	415.9	448.7	484.4	525.1	572.8	630.3	692.9	757.4	818.0
137.5°	403.0	415.4	427.8	458.6	492.4	529.1	572.8	621.4	675.0	731.6	784.2
140°	414.9	426.8	438.8	468.5	500.3	534.1	571.8	614.5	660.1	706.8	751.5
142.5°	425.9	437.3	448.7	477.5	506.3	538.0	571.8	608.5	646.2	685.9	722.7
145°	435.8	446.7	457.6	483.4	510.2	539.0	569.8	601.6	633.3	667.1	696.9
147.5°	445.7	455.6	465.6	490.4	514.2	540.0	566.8	595.6	622.4	650.2	675.0
150°	454.6	464.0	473.5	495.3	517.2	540.0	563.8	588.7	612.5	635.3	655.2
152.5°	463.6	472.0	480.5	499.3	519.2	538.0	558.9	580.7	601.6	620.4	638.3
155°	471.5	479.0	486.4	503.3	520.2	536.0	553.9	572.8	590.6	606.5	621.4
157.5°	479.5	485.4	491.4	506.3	520.2	534.1	548.9	564.8	578.7	592.6	605.5
160°	485.4	490.8	496.3	508.2	520.2	531.1	543.0	555.9	567.8	578.7	589.6
162.5°	491.4	495.4	499.3	510.2	520.2	528.1	537.0	548.0	556.9	565.8	573.8
165°	495.3	498.3	501.3	510.2	518.2	524.1	531.1	539.0	547.0	552.9	559.9
167.5°	498.3	500.8	503.3	510.2	516.2	520.2	525.1	531.1	537.0	542.0	548.0
170°	501.3	502.8	504.3	509.2	514.2	516.2	519.2	523.1	528.1	531.1	535.1
172.5°	503.3	504.3	505.3	508.2	512.2	512.2	513.2	516.2	520.2	522.1	524.1
175°	505.3	505.3	505.3	507.3	510.2	509.2	509.2	511.2	513.2	514.2	516.2
177.5°	505.3	505.3	505.3	506.3	508.2	506.3	506.3	507.3	508.2	509.2	509.2
180°	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3

TEST NUMBER: P1001138

CATALOG NUMBER: SA4XXDIP-B350D1035UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4
2.5°	527.0	526.5	524.2	525.1	522.4	523.3	524.7	525.1	527.0	525.6	525.1
5°	494.6	493.7	492.3	490.9	490.4	492.3	489.0	490.0	490.9	492.3	494.1
7.5°	468.2	467.8	466.4	464.1	463.1	462.2	462.7	465.9	465.5	465.0	468.2
10°	444.2	444.6	441.9	441.4	438.6	438.2	438.6	439.5	440.9	442.8	443.2
12.5°	419.2	425.2	420.1	418.3	414.1	416.4	417.3	413.2	415.5	416.9	423.8
15°	403.5	400.7	397.4	397.4	395.6	394.7	392.3	395.6	397.4	400.2	399.3
17.5°	381.7	377.1	375.2	373.4	373.8	375.7	370.6	378.0	378.0	379.4	377.1
20°	362.7	359.0	356.7	355.8	354.4	353.5	353.0	354.9	357.6	358.6	360.9
22.5°	342.8	342.8	339.1	337.8	336.8	335.4	337.8	336.4	338.2	340.1	343.8
25°	326.2	326.2	324.8	322.9	321.6	320.6	322.0	321.6	322.9	325.3	326.2
27.5°	312.8	311.4	310.9	310.5	310.0	310.5	310.0	311.4	312.8	313.2	312.3
30°	301.2	299.8	300.3	300.3	300.7	300.3	299.8	301.2	301.7	300.7	301.2
32.5°	290.6	290.6	291.5	291.9	291.9	292.4	292.9	291.9	292.4	291.0	291.5
35°	281.8	282.7	283.6	284.1	284.5	284.1	285.0	284.5	283.6	282.7	282.2
37.5°	273.0	273.9	275.8	276.2	277.6	278.1	277.1	277.1	276.7	274.8	273.9
40°	263.7	264.7	267.0	268.4	269.3	270.7	269.7	269.7	267.9	266.0	264.7
42.5°	254.9	256.8	259.1	260.5	262.3	262.3	262.3	261.4	259.1	257.2	255.9
45°	246.1	246.6	249.8	252.2	254.0	254.0	254.0	252.6	251.2	247.5	245.7
47.5°	236.4	237.8	241.5	243.8	245.7	246.1	246.1	244.8	242.0	238.7	236.4
50°	225.8	228.1	232.3	235.5	237.8	238.7	237.4	236.4	233.2	229.5	226.7
52.5°	215.6	218.4	223.5	226.2	229.5	229.9	229.5	228.1	224.4	219.3	217.0
55°	205.4	207.7	213.3	217.9	220.7	221.6	220.7	218.4	213.8	208.7	206.4
57.5°	194.3	197.6	203.6	208.2	211.4	211.9	211.0	208.7	205.0	198.5	195.2
60°	182.8	186.9	192.9	197.6	201.7	202.2	201.3	198.0	193.4	186.9	184.1
62.5°	171.2	174.4	181.4	186.5	189.7	192.0	190.2	186.9	182.3	175.8	171.7
65°	157.8	162.4	168.4	173.0	176.7	177.2	176.3	173.5	168.4	161.5	158.2
67.5°	144.8	148.1	154.1	160.1	161.5	162.9	161.5	158.7	154.5	148.5	143.9
70°	129.1	131.9	139.3	143.4	145.3	146.7	145.7	143.0	139.3	133.7	130.0
72.5°	113.4	115.7	122.6	125.8	129.5	129.1	128.6	126.8	121.7	118.0	115.7
75°	96.7	99.5	104.1	108.3	109.7	109.7	109.7	108.3	105.0	99.0	96.7
77.5°	81.4	82.8	86.5	88.8	90.2	90.7	90.2	87.9	86.1	81.9	80.5
80°	62.5	66.2	68.9	69.4	71.3	71.3	71.3	70.3	68.5	64.3	63.8
82.5°	47.2	48.1	50.9	52.3	53.2	52.7	52.7	50.9	50.4	48.1	47.2
85°	31.9	33.3	32.8	34.7	35.2	34.2	34.2	35.2	32.8	33.3	31.9
87.5°	17.6	17.6	18.5	18.0	19.9	19.9	19.0	19.4	18.5	18.0	17.6
90°	19.9	19.9	20.8	21.8	20.8	20.8	20.8	21.8	20.8	19.9	19.9
92.5°	128.6	116.1	101.3	94.3	90.3	90.3	90.3	94.3	101.3	116.1	128.6
95°	400.5	352.4	303.8	273.0	255.1	242.2	255.1	273.0	303.8	352.4	400.5
97.5°	818.0	762.4	694.9	635.3	605.5	581.7	605.5	635.3	694.9	762.4	818.0
100°	1131.6	1094.9	1008.6	948.0	918.2	910.3	918.2	948.0	1008.6	1094.9	1131.6
102.5°	1328.2	1318.3	1273.6	1233.9	1202.1	1196.2	1202.1	1233.9	1273.6	1318.3	1328.2
105°	1402.2	1422.5	1424.5	1416.5	1402.6	1396.7	1402.6	1416.5	1424.5	1422.5	1402.2
107.5°	1379.8	1421.5	1465.2	1483.1	1491.0	1492.0	1491.0	1483.1	1465.2	1421.5	1379.8
110°	1300.4	1355.0	1425.5	1467.2	1485.0	1494.0	1485.0	1467.2	1425.5	1355.0	1300.4



TEST NUMBER: P1001138

CATALOG NUMBER: SA4XXDIP-B350D1035UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1203.1	1257.7	1340.1	1392.7	1419.5	1435.4	1419.5	1392.7	1340.1	1257.7	1203.1
115°	1115.8	1163.4	1241.8	1301.4	1333.2	1341.1	1333.2	1301.4	1241.8	1163.4	1115.8
117.5°	1047.3	1089.0	1158.4	1210.1	1243.8	1248.8	1243.8	1210.1	1158.4	1089.0	1047.3
120°	1001.2	1036.4	1092.9	1136.6	1162.4	1173.3	1162.4	1136.6	1092.9	1036.4	1001.2
122.5°	970.8	1000.6	1046.3	1082.0	1102.9	1113.8	1102.9	1082.0	1046.3	1000.6	970.8
125°	949.5	976.8	1016.5	1045.3	1064.1	1070.1	1064.1	1045.3	1016.5	976.8	949.5
127.5°	929.2	955.0	994.7	1020.5	1036.4	1042.3	1036.4	1020.5	994.7	955.0	929.2
130°	904.8	931.1	971.8	996.6	1012.5	1018.5	1012.5	996.6	971.8	931.1	904.8
132.5°	876.0	902.3	942.0	970.8	985.7	991.7	985.7	970.8	942.0	902.3	876.0
135°	842.8	867.6	907.3	935.1	951.0	956.9	951.0	935.1	907.3	867.6	842.8
137.5°	807.0	829.9	867.6	896.4	909.3	916.2	909.3	896.4	867.6	829.9	807.0
140°	772.3	793.1	827.9	849.7	863.6	871.6	863.6	849.7	827.9	793.1	772.3
142.5°	740.0	757.4	787.2	807.0	819.0	823.9	819.0	807.0	787.2	757.4	740.0
145°	710.8	724.7	749.5	766.3	776.3	781.2	776.3	766.3	749.5	724.7	710.8
147.5°	686.4	697.8	716.7	731.6	739.5	741.5	739.5	731.6	716.7	697.8	686.4
150°	664.1	673.0	688.9	701.8	707.8	708.8	707.8	701.8	688.9	673.0	664.1
152.5°	645.2	652.2	665.1	675.0	678.0	679.0	678.0	675.0	665.1	652.2	645.2
155°	627.3	633.3	643.3	651.2	654.2	654.2	654.2	651.2	643.3	633.3	627.3
157.5°	610.5	615.5	623.4	629.4	631.3	631.3	631.3	629.4	623.4	615.5	610.5
160°	593.6	597.6	603.5	609.5	610.5	610.5	610.5	609.5	603.5	597.6	593.6
162.5°	577.2	580.7	584.7	590.6	591.6	590.6	591.6	590.6	584.7	580.7	577.2
165°	562.3	564.8	568.8	572.8	571.8	570.8	571.8	572.8	568.8	564.8	562.3
167.5°	549.4	550.9	552.9	555.9	555.9	554.9	555.9	555.9	552.9	550.9	549.4
170°	536.6	538.0	540.0	541.0	540.0	540.0	540.0	541.0	540.0	538.0	536.6
172.5°	525.1	526.1	527.1	528.1	527.1	525.1	527.1	528.1	527.1	526.1	525.1
175°	516.2	516.2	516.2	518.2	516.2	514.2	516.2	518.2	516.2	516.2	516.2
177.5°	509.7	510.2	509.2	510.2	508.2	506.3	508.2	510.2	509.2	510.2	509.7
180°	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3

TEST NUMBER: P1001138

CATALOG NUMBER: SA4XXDIP-B350D1035UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4
2.5°	525.1	527.9	525.1	527.0	527.9	530.2	531.2	535.3	536.7	539.9	539.9
5°	493.7	495.1	495.5	497.4	499.2	503.9	507.1	513.1	520.0	521.0	525.1
7.5°	468.2	470.5	474.2	472.9	476.1	483.0	487.2	494.6	501.5	505.2	510.3
10°	445.6	448.3	449.7	451.1	457.1	463.1	469.6	474.7	484.0	489.5	493.7
12.5°	427.0	424.7	427.5	432.6	439.5	443.2	452.0	459.9	466.8	472.9	476.6
15°	403.0	404.8	407.6	416.4	418.3	427.5	430.8	439.5	452.5	458.0	462.7
17.5°	379.9	385.9	391.4	394.7	400.2	407.6	416.9	426.6	434.9	441.4	446.9
20°	361.3	367.4	370.6	372.9	378.5	388.6	397.4	409.5	420.1	425.2	432.6
22.5°	346.5	346.5	351.2	358.1	361.3	371.1	378.5	391.4	403.0	409.5	416.4
25°	328.0	330.8	334.5	340.5	345.2	353.0	363.7	374.8	387.3	392.8	401.6
27.5°	312.8	316.0	321.1	322.5	327.1	334.1	345.2	357.2	370.1	376.2	383.6
30°	301.2	303.1	304.9	307.7	311.8	317.9	327.1	337.8	353.5	358.1	367.4
32.5°	291.0	291.9	292.9	295.2	297.5	303.5	310.9	322.5	335.4	342.4	350.7
35°	281.8	280.8	281.3	282.7	285.0	287.3	295.2	304.9	316.9	325.3	331.7
37.5°	273.0	271.1	270.7	270.7	271.6	274.4	280.4	288.7	301.7	308.6	315.1
40°	263.3	261.4	260.5	260.0	259.6	261.4	266.0	274.4	284.5	291.0	298.4
42.5°	254.0	252.2	249.8	249.4	248.5	249.4	252.6	260.5	269.3	275.8	281.8
45°	244.8	241.5	238.7	236.9	237.4	236.0	238.3	244.3	254.5	258.6	264.7
47.5°	234.6	230.9	227.2	225.3	223.5	224.4	225.3	230.4	239.2	243.4	249.4
50°	224.9	219.8	215.6	213.3	211.9	211.0	211.9	217.0	223.5	227.2	232.3
52.5°	213.8	208.7	204.5	200.8	199.0	197.6	198.0	202.7	208.7	212.4	217.5
55°	203.6	197.1	191.5	186.9	185.5	185.1	184.6	187.8	192.9	196.6	200.8
57.5°	192.0	185.5	179.5	174.0	171.2	170.7	170.7	171.7	178.1	180.9	183.2
60°	180.4	173.5	167.0	161.9	157.8	156.4	155.9	157.8	161.0	163.8	167.0
62.5°	167.5	160.5	152.7	148.1	143.9	140.2	141.6	142.0	146.7	148.1	150.8
65°	155.0	147.1	140.7	133.3	128.6	126.3	125.4	126.3	130.0	130.5	132.3
67.5°	140.7	133.3	125.4	120.3	116.1	112.0	111.0	111.0	112.9	114.3	116.6
70°	126.8	119.4	110.6	105.0	100.9	97.2	95.8	95.3	96.7	97.6	99.9
72.5°	110.6	103.2	96.7	90.7	85.6	82.8	81.4	80.5	81.9	82.8	83.3
75°	93.5	87.4	81.0	75.0	71.7	68.9	67.1	65.7	66.6	66.6	66.6
77.5°	77.3	71.3	66.2	62.0	57.8	54.6	53.2	51.8	52.3	52.3	53.2
80°	60.1	56.0	51.8	48.1	44.4	41.6	40.7	39.3	38.4	37.9	37.9
82.5°	44.4	41.2	37.5	34.2	32.4	29.6	28.7	26.8	26.8	26.4	26.4
85°	29.6	27.8	24.1	21.7	20.4	19.0	18.0	17.1	15.7	15.7	15.3
87.5°	15.7	14.8	13.9	11.1	11.1	9.7	9.3	8.8	7.4	7.9	7.9
90°	19.9	18.9	17.9	16.9	17.9	15.9	13.9	13.9	7.9	7.9	7.9
92.5°	141.0	178.7	239.2	323.6	389.1	340.5	247.2	150.9	89.3	76.4	63.5
95°	448.7	581.7	735.6	831.9	809.0	610.5	373.2	210.4	124.1	103.2	82.4
97.5°	873.6	982.7	1059.2	1043.3	865.6	584.7	340.5	200.5	132.0	114.2	96.3
100°	1168.4	1217.0	1197.2	1052.2	798.1	518.2	315.7	203.5	144.9	129.0	113.2
102.5°	1338.1	1308.3	1190.2	977.8	713.7	473.5	308.7	213.4	161.8	146.9	132.0
105°	1381.8	1283.5	1111.8	884.5	651.2	451.7	312.7	230.3	182.7	168.3	153.9
107.5°	1338.1	1201.1	1015.5	808.0	610.5	445.7	324.6	248.2	204.5	190.1	175.7
110°	1245.8	1101.9	930.1	753.4	591.6	447.7	338.5	269.0	225.3	211.9	198.5

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CATALOG NUMBER: SA4XXDIP-B350D1035UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1148.5	1014.5	867.6	722.7	582.7	453.7	353.4	288.9	247.2	233.8	220.4
115°	1068.1	952.0	829.9	705.8	580.7	461.6	369.3	309.7	270.0	256.6	243.2
117.5°	1005.6	911.3	808.0	696.9	579.7	469.5	385.2	329.6	291.8	278.0	264.1
120°	965.9	886.5	794.1	689.9	579.7	478.5	402.0	350.4	312.7	298.8	284.9
122.5°	941.1	870.6	782.2	682.0	578.7	487.4	417.9	370.3	332.5	319.1	305.7
125°	922.2	853.7	768.3	673.0	577.7	496.3	433.8	388.1	352.4	338.5	324.6
127.5°	903.3	834.8	752.4	661.1	575.8	503.3	447.7	405.0	370.3	356.4	342.5
130°	878.5	811.0	732.6	650.2	574.8	511.2	460.6	421.9	388.1	373.7	359.3
132.5°	849.7	784.2	711.7	640.3	573.8	518.2	473.5	435.8	402.0	388.6	375.2
135°	818.0	757.4	692.9	630.3	572.8	525.1	484.4	448.7	415.9	403.0	390.1
137.5°	784.2	731.6	675.0	621.4	572.8	529.1	492.4	458.6	427.8	415.4	403.0
140°	751.5	706.8	660.1	614.5	571.8	534.1	500.3	468.5	438.8	426.8	414.9
142.5°	722.7	685.9	646.2	608.5	571.8	538.0	506.3	477.5	448.7	437.3	425.9
145°	696.9	667.1	633.3	601.6	569.8	539.0	510.2	483.4	457.6	446.7	435.8
147.5°	675.0	650.2	622.4	595.6	566.8	540.0	514.2	490.4	465.6	455.6	445.7
150°	655.2	635.3	612.5	588.7	563.8	540.0	517.2	495.3	473.5	464.0	454.6
152.5°	638.3	620.4	601.6	580.7	558.9	538.0	519.2	499.3	480.5	472.0	463.6
155°	621.4	606.5	590.6	572.8	553.9	536.0	520.2	503.3	486.4	479.0	471.5
157.5°	605.5	592.6	578.7	564.8	548.9	534.1	520.2	506.3	491.4	485.4	479.5
160°	589.6	578.7	567.8	555.9	543.0	531.1	520.2	508.2	496.3	490.8	485.4
162.5°	573.8	565.8	556.9	548.0	537.0	528.1	520.2	510.2	499.3	495.4	491.4
165°	559.9	552.9	547.0	539.0	531.1	524.1	518.2	510.2	501.3	498.3	495.3
167.5°	548.0	542.0	537.0	531.1	525.1	520.2	516.2	510.2	503.3	500.8	498.3
170°	535.1	531.1	528.1	523.1	519.2	516.2	514.2	509.2	504.3	502.8	501.3
172.5°	524.1	522.1	520.2	516.2	513.2	512.2	512.2	508.2	505.3	504.3	503.3
175°	516.2	514.2	513.2	511.2	509.2	509.2	510.2	507.3	505.3	505.3	505.3
177.5°	509.2	509.2	508.2	507.3	506.3	506.3	508.2	506.3	505.3	505.3	505.3
180°	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3

TEST NUMBER: P1001138

CATALOG NUMBER: SA4XXDIP-B350D1035UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	558.4	558.4	558.4	558.4
2.5°	543.2	547.8	552.0	558.4
5°	531.2	537.6	546.4	556.1
7.5°	517.3	527.4	539.0	552.4
10°	504.3	515.9	530.7	546.9
12.5°	490.9	504.8	521.0	538.6
15°	475.6	489.5	507.6	531.2
17.5°	461.7	478.4	497.8	522.8
20°	445.6	461.3	482.6	511.3
22.5°	431.2	449.3	472.9	497.8
25°	415.5	431.2	454.8	484.9
27.5°	399.8	419.2	441.9	471.0
30°	384.5	400.7	425.2	455.7
32.5°	367.8	387.3	409.9	438.6
35°	349.8	368.3	389.6	420.6
37.5°	333.6	351.6	373.4	400.7
40°	315.5	334.5	354.4	381.7
42.5°	298.0	315.1	335.0	360.0
45°	280.8	295.6	313.7	335.4
47.5°	263.3	275.8	292.4	311.8
50°	244.3	257.7	270.2	286.4
52.5°	226.7	238.3	248.5	261.9
55°	209.6	217.5	225.8	236.0
57.5°	191.5	197.6	203.6	214.2
60°	173.5	179.1	182.3	189.2
62.5°	155.9	158.2	162.4	166.6
65°	136.5	139.7	142.0	147.1
67.5°	118.9	120.3	122.6	125.8
70°	100.4	103.6	104.6	106.9
72.5°	84.7	86.1	87.0	87.4
75°	67.1	68.5	69.4	72.2
77.5°	52.7	52.3	54.1	54.6
80°	38.9	37.5	37.9	39.8
82.5°	25.4	25.9	25.4	25.4
85°	15.7	15.3	14.3	14.8
87.5°	6.9	6.9	6.5	6.5
90°	6.9	6.0	3.0	1.0
92.5°	45.7	30.8	19.9	13.9
95°	58.6	45.7	35.7	32.8
97.5°	75.4	63.5	54.6	54.6
100°	94.3	82.4	75.4	75.4
102.5°	114.2	103.2	97.3	95.3
105°	136.0	124.1	119.1	116.1
107.5°	158.8	145.9	141.0	139.0
110°	180.7	168.8	163.8	161.8

TEST NUMBER: P1001138

CATALOG NUMBER: SA4XXDIP-B350D1035UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	202.5	191.6	185.6	183.6
115°	224.3	214.4	207.5	204.5
117.5°	246.2	235.3	229.3	226.3
120°	268.0	257.1	250.2	248.2
122.5°	286.9	277.0	270.0	268.0
125°	305.7	294.8	288.9	284.9
127.5°	322.6	310.7	303.8	300.8
130°	340.5	325.6	317.7	313.7
132.5°	354.4	340.5	329.6	326.6
135°	369.3	352.4	342.5	338.5
137.5°	381.2	365.3	354.4	350.4
140°	394.1	377.2	366.3	363.3
142.5°	406.0	390.1	380.2	377.2
145°	416.9	403.0	393.1	390.1
147.5°	429.8	414.9	406.0	405.0
150°	439.8	427.8	419.9	418.9
152.5°	450.7	439.8	431.8	431.8
155°	460.6	450.7	444.7	443.7
157.5°	469.5	461.6	455.6	455.6
160°	477.5	470.5	466.6	466.6
162.5°	484.4	478.5	475.5	476.5
165°	490.4	485.4	483.4	483.4
167.5°	495.3	491.4	490.4	491.4
170°	499.3	496.3	495.3	496.3
172.5°	502.3	500.3	500.3	501.3
175°	504.3	503.3	503.3	504.3
177.5°	505.3	504.3	505.3	506.3
180°	505.3	505.3	505.3	505.3

(END OF REPORT)