

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: P1031684

Luminaire Tested: S123DIW-B340D755UB40-4F0-XX-W2A-A

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1031684
REPORT IS A COMBINATION OF REPORTS P991491 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIW-B340D755UB40-4F0-XX-W2A-A
Description: Define 3 Direct/Indirect Wall Mount with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

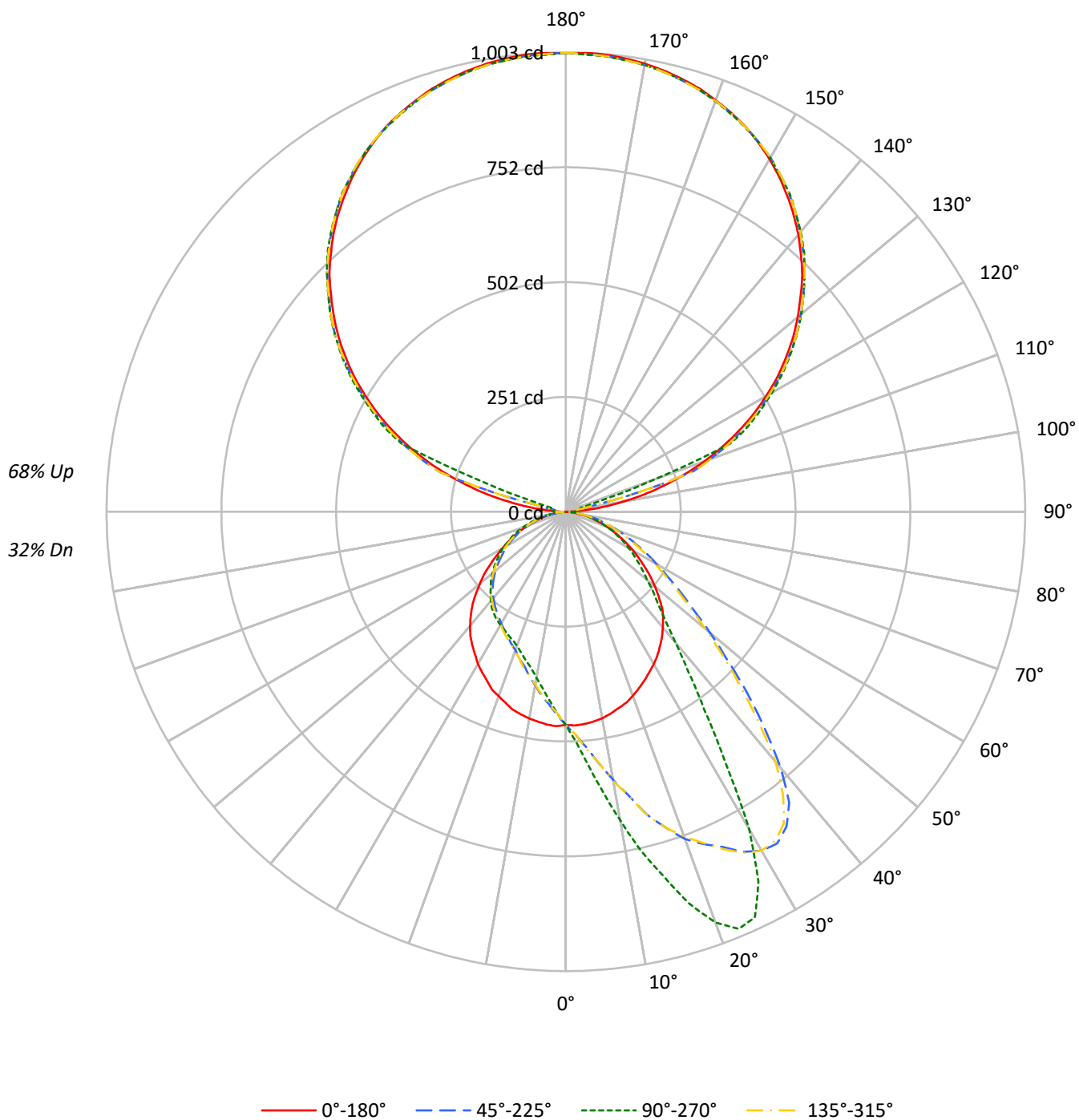
Lumens per Lamp: N/A
Luminaire Lumens: 4461.0 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 36.2
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



TEST NUMBER: P1031684

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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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39
1	94	90	86	83	84	81	78	75	64	62	60	49	48	46	35	34	33
2	86	78	73	68	77	71	66	62	56	53	50	43	41	39	31	30	28
3	78	69	62	56	70	62	56	52	50	46	42	38	35	33	27	26	24
4	71	61	54	48	64	55	49	44	44	40	36	34	31	28	25	23	21
5	65	54	47	41	59	49	43	37	40	35	31	31	27	25	22	20	18
6	60	49	41	35	54	44	37	32	36	31	27	28	24	21	20	18	16
7	56	44	36	31	50	40	33	28	32	27	24	25	22	19	18	16	14
8	52	40	32	27	46	36	30	25	29	24	21	23	19	17	17	15	13
9	48	36	29	24	43	33	27	22	27	22	19	21	18	15	16	13	12
10	45	33	26	21	40	30	24	20	25	20	17	19	16	14	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5011	5011	5011	5011
5°	5014	5773	5028	4308
10°	4982	6987	4987	3762
15°	4914	8285	4954	3387
20°	4854	9539	4864	3117
25°	4766	9779	4777	2976
30°	4704	8080	4704	2883
35°	4626	5404	4596	2801
40°	4532	3901	4476	2676
45°	4415	3090	4288	2521
50°	4130	2624	3982	2369
55°	3818	2306	3662	2198
60°	3500	2008	3314	2019
65°	3152	1719	2998	1781
70°	2789	1427	2603	1501
75°	2385	1076	2229	1159
80°	1884	719	1737	760
85°	1297	330	1037	299

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 8081 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.8	1.0
10°-20°	147.0	3.3
20°-30°	247.4	5.5
30°-40°	279.6	6.3
40°-50°	250.4	5.6
50°-60°	202.2	4.5
60°-70°	140.9	3.2
70°-80°	73.9	1.7
80°-90°	19.7	0.4
90°-100°	35.3	0.8
100°-110°	170.8	3.8
110°-120°	418.5	9.4
120°-130°	531.3	11.9
130°-140°	567.6	12.7
140°-150°	530.8	11.9
150°-160°	428.1	9.6
160°-170°	276.3	6.2
170°-180°	95.2	2.1
0°-30°	440.3	9.9
0°-40°	719.9	16.1
0°-60°	1172.5	26.3
0°-90°	1407.0	31.5
90°-120°	624.7	14.0
90°-150°	2254.4	50.5
90°-180°	3054.0	68.5
0°-180°	4461.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	466	466	466	466	466	
5°	465	553	466	413	465	44
15°	444	823	448	336	444	125
25°	406	977	407	297	406	187
35°	358	526	356	273	358	224
45°	297	284	289	232	297	227
55°	211	193	202	184	211	189
65°	130	125	124	130	130	130
75°	63	64	59	70	63	67
85°	14	15	11	14	14	16
90°	1	22	1	22	1	3
95°	45	28	45	28	45	54
105°	222	33	222	33	222	235
115°	416	438	416	438	416	411
125°	586	598	586	598	586	524
135°	730	738	730	738	730	562
145°	842	851	842	851	842	527
155°	928	927	928	927	928	428
165°	979	976	979	976	979	277
175°	1002	998	1002	998	1002	95
180°	1002	1002	1002	1002	1002	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5
2.5°	466.9	470.5	472.3	475.0	477.7	481.8	483.1	485.4	484.5	486.3	487.2
5°	465.1	471.4	476.8	483.6	489.9	494.4	498.9	506.1	511.5	512.4	516.5
7.5°	461.9	470.9	480.4	489.9	502.1	509.3	517.4	527.3	535.4	548.5	553.5
10°	457.8	470.5	484.0	497.1	513.8	525.1	535.0	551.7	568.4	581.9	594.5
12.5°	451.5	467.3	484.9	504.3	526.0	539.0	552.6	574.7	599.9	620.7	634.2
15°	443.9	463.7	486.3	507.0	530.9	555.3	569.7	594.5	630.6	650.0	684.7
17.5°	437.5	457.8	480.4	512.9	545.4	569.7	580.1	625.6	650.5	682.9	722.2
20°	427.6	453.3	482.2	514.7	556.6	571.5	592.7	638.7	669.4	711.8	760.1
22.5°	417.2	444.8	479.5	513.3	560.2	576.0	604.9	641.4	690.2	732.1	785.3
25°	406.0	435.7	470.9	511.1	557.1	580.1	607.2	652.3	705.0	757.8	807.0
27.5°	394.7	427.2	463.7	503.9	548.5	575.6	602.6	649.6	717.2	774.5	837.2
30°	383.9	416.3	452.9	493.9	540.8	567.0	592.7	651.4	726.7	791.2	854.3
32.5°	372.1	405.5	443.9	478.1	525.5	553.5	582.3	651.4	732.6	801.1	858.9
35°	358.2	392.4	425.4	459.7	506.6	537.7	570.2	646.8	738.0	804.3	839.9
37.5°	344.6	374.8	403.3	436.6	485.8	519.2	556.6	641.4	735.3	790.7	800.7
40°	329.3	359.5	382.5	413.6	465.5	504.3	542.2	634.2	723.5	758.7	729.8
42.5°	314.4	338.3	358.2	388.4	444.8	482.7	523.7	621.1	700.5	707.7	642.8
45°	297.3	314.4	332.0	366.3	422.2	461.0	506.6	602.2	663.5	642.8	560.7
47.5°	275.2	290.5	309.9	341.5	398.3	438.5	481.8	577.8	609.9	566.6	476.8
50°	254.0	267.0	285.1	315.8	373.0	412.3	458.3	539.5	555.3	487.2	410.9
52.5°	232.8	242.7	260.3	290.9	348.2	386.1	428.1	500.2	491.2	418.2	350.5
55°	210.7	219.2	235.9	266.1	319.4	355.5	395.6	452.0	428.5	359.1	304.9
57.5°	189.0	198.0	215.2	240.4	290.5	325.7	357.7	401.9	366.7	311.2	263.4
60°	169.6	177.3	190.4	215.2	260.7	289.1	318.5	348.7	319.4	265.7	229.1
62.5°	149.3	156.5	168.7	191.3	230.5	255.8	279.2	304.0	271.6	232.3	199.8
65°	130.4	136.2	147.5	168.3	200.3	221.0	240.0	257.1	231.0	194.9	170.5
67.5°	113.2	118.2	127.7	146.2	173.2	188.1	203.4	217.9	195.8	166.9	146.2
70°	94.7	98.8	107.4	120.9	142.5	157.9	169.2	180.0	160.1	137.1	123.1
72.5°	78.5	82.5	88.0	101.9	116.8	126.3	138.5	144.3	133.1	114.1	100.1
75°	62.7	65.9	70.8	79.8	93.8	100.1	107.8	112.3	101.9	89.3	80.7
77.5°	49.2	50.5	54.1	60.4	69.9	77.1	83.0	85.7	78.5	70.4	63.2
80°	34.7	36.5	39.2	44.7	51.9	54.1	57.7	60.9	56.4	49.2	44.7
82.5°	23.0	25.3	26.6	28.9	33.4	36.1	37.0	39.7	35.6	32.9	31.1
85°	13.5	14.4	14.9	16.2	18.5	19.8	21.2	21.7	20.7	20.3	18.5
87.5°	6.8	6.8	6.8	7.7	8.1	9.0	9.5	9.5	9.5	9.0	8.6
90°	0.7	2.4	4.0	5.7	7.4	8.2	9.3	11.4	13.6	15.7	17.9
92.5°	17.1	16.1	15.1	14.2	13.2	12.7	13.4	14.9	16.4	17.9	19.4
95°	45.4	38.6	31.8	25.1	18.3	14.9	15.8	17.6	19.5	21.3	23.1
97.5°	82.6	78.0	73.4	68.7	64.1	61.8	57.6	49.1	40.7	32.2	23.8
100°	125.8	129.1	132.4	135.7	139.0	140.7	127.8	102.0	76.2	50.4	24.6
102.5°	174.9	177.1	179.2	181.4	183.5	184.6	170.2	141.4	112.7	83.9	55.1
105°	221.8	223.6	225.4	227.3	229.1	230.0	222.6	207.7	192.8	177.9	163.0
107.5°	271.7	273.2	274.7	276.2	277.7	278.4	279.6	282.1	284.6	287.0	289.5
110°	321.5	322.8	324.2	325.5	326.8	327.5	328.4	330.2	332.1	333.9	335.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	369.2	370.4	371.5	372.7	373.8	374.4	375.3	377.1	379.0	380.8	382.6
115°	416.0	417.0	418.0	419.0	420.0	420.5	421.2	422.7	424.2	425.7	427.2
117.5°	462.2	463.4	464.5	465.7	466.8	467.4	467.8	468.6	469.5	470.3	471.1
120°	504.6	506.1	507.6	509.1	510.6	511.3	511.5	512.0	512.5	513.0	513.5
122.5°	547.8	549.0	550.1	551.3	552.4	553.0	553.3	554.0	554.7	555.3	556.0
125°	586.5	587.8	589.1	590.4	591.7	592.4	592.7	593.4	594.1	594.7	595.4
127.5°	625.2	626.5	627.8	629.1	630.4	631.1	631.5	632.4	633.2	634.1	634.9
130°	660.9	662.2	663.6	664.9	666.2	666.9	667.2	667.9	668.5	669.2	669.8
132.5°	695.1	696.4	697.8	699.1	700.4	701.1	701.3	701.8	702.3	702.8	703.3
135°	730.1	731.1	732.1	733.1	734.1	734.6	734.9	735.6	736.3	736.9	737.6
137.5°	759.9	761.2	762.5	763.8	765.1	765.8	766.0	766.3	766.6	767.0	767.3
140°	789.7	790.7	791.7	792.6	793.6	794.1	794.4	794.9	795.4	795.9	796.4
142.5°	817.2	818.2	819.2	820.2	821.2	821.7	821.9	822.4	822.9	823.4	823.9
145°	842.5	843.7	844.8	846.0	847.1	847.7	847.9	848.2	848.5	848.9	849.2
147.5°	867.1	867.9	868.7	869.6	870.4	870.8	871.0	871.3	871.6	872.0	872.3
150°	889.4	889.9	890.4	890.9	891.4	891.6	891.8	892.1	892.4	892.8	893.1
152.5°	909.5	909.7	909.8	910.0	910.1	910.2	910.3	910.5	910.6	910.8	911.0
155°	928.1	927.8	927.4	927.1	926.8	926.6	926.7	926.8	927.0	927.1	927.3
157.5°	943.0	943.0	943.0	943.0	943.0	943.0	942.9	942.7	942.6	942.4	942.2
160°	956.4	956.2	956.0	955.9	955.7	955.6	955.5	955.4	955.2	955.1	954.9
162.5°	969.0	968.5	968.0	967.5	967.0	966.8	966.7	966.6	966.4	966.3	966.1
165°	978.7	978.2	977.7	977.2	976.7	976.5	976.4	976.2	976.1	975.9	975.7
167.5°	986.9	986.2	985.6	984.9	984.2	983.9	983.9	983.9	983.9	983.9	983.9
170°	993.6	992.9	992.3	991.6	990.9	990.6	990.6	990.6	990.6	990.6	990.6
172.5°	998.1	997.3	996.4	995.6	994.7	994.3	994.4	994.6	994.7	994.9	995.1
175°	1001.8	1001.0	1000.2	999.3	998.5	998.1	998.2	998.3	998.5	998.6	998.8
177.5°	1003.3	1002.5	1001.6	1000.8	999.9	999.5	999.6	999.8	999.9	1000.1	1000.3
180°	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5
2.5°	490.3	491.2	494.4	496.6	501.2	500.7	500.7	500.2	498.9	501.2	502.5
5°	524.6	532.3	533.2	543.1	543.6	547.6	550.3	548.1	553.5	553.0	549.0
7.5°	567.0	577.4	582.3	591.8	602.6	599.9	610.3	612.1	611.2	615.7	618.9
10°	613.5	631.5	644.1	661.7	666.2	669.0	675.7	681.6	693.3	684.3	690.2
12.5°	666.7	679.8	696.5	724.4	738.4	747.4	750.6	754.7	762.8	757.8	758.3
15°	711.4	728.9	757.4	792.1	796.2	807.4	804.7	829.1	840.8	823.2	833.1
17.5°	757.8	781.3	815.1	845.3	862.5	870.1	877.4	900.8	899.9	897.2	899.5
20°	787.6	825.9	867.9	908.0	913.0	918.9	938.2	948.2	946.4	954.0	959.0
22.5°	829.5	870.1	914.8	941.4	952.7	959.4	974.8	981.1	983.8	985.6	982.5
25°	864.7	908.0	941.0	964.4	971.2	974.8	979.7	981.6	980.2	977.0	979.7
27.5°	888.6	923.4	945.9	956.7	953.1	947.3	937.8	931.5	917.5	910.7	918.9
30°	898.6	913.9	920.7	902.6	884.6	870.1	852.1	818.7	792.5	800.2	789.8
32.5°	882.8	872.8	840.4	793.9	779.9	756.5	705.5	666.2	667.6	646.8	655.4
35°	836.3	791.2	729.8	659.5	641.0	628.4	572.4	563.9	545.8	526.4	531.8
37.5°	754.2	688.3	613.9	562.0	534.5	507.0	475.4	456.5	445.7	437.5	443.9
40°	654.1	573.8	512.4	466.0	442.5	424.9	403.3	384.3	372.1	370.8	373.0
42.5°	555.7	488.1	431.7	387.5	379.8	359.1	345.1	330.2	326.6	320.7	323.9
45°	470.5	415.4	369.0	332.9	323.9	318.5	301.3	291.8	287.8	284.2	289.6
47.5°	408.7	350.9	317.1	295.5	286.4	277.4	267.9	261.6	258.5	258.9	258.5
50°	349.1	306.7	277.0	260.3	254.9	248.5	240.9	236.8	235.5	231.4	234.6
52.5°	300.4	269.7	249.0	233.2	229.1	224.6	218.3	216.1	212.9	212.0	212.0
55°	261.2	237.3	220.6	210.2	205.2	201.6	198.0	195.3	193.1	193.1	193.1
57.5°	230.5	209.8	197.6	188.6	186.7	183.1	179.1	179.1	175.9	175.5	176.8
60°	204.3	185.8	176.4	168.7	166.0	165.1	161.0	161.0	160.1	157.9	159.7
62.5°	177.7	164.2	156.1	150.2	147.5	147.5	144.3	142.1	142.1	142.5	141.6
65°	153.4	143.4	136.2	131.7	130.4	128.6	128.1	126.3	124.9	125.4	124.9
67.5°	131.7	124.0	119.1	115.5	113.2	112.3	111.0	111.0	110.1	110.5	108.3
70°	112.3	104.7	100.6	97.0	96.1	96.1	94.3	94.7	93.8	95.2	94.3
72.5°	92.5	86.6	83.4	82.1	81.2	80.7	79.8	78.9	78.5	79.4	78.9
75°	74.9	69.9	67.7	66.8	65.9	65.9	65.4	65.0	64.5	64.5	64.5
77.5°	58.2	55.0	52.3	53.2	51.9	52.3	51.0	51.0	51.4	51.0	51.0
80°	42.9	40.6	40.6	39.7	37.9	38.8	38.8	37.4	37.0	37.9	36.5
82.5°	28.4	28.0	27.1	26.6	25.7	26.2	25.7	25.3	24.8	25.7	24.8
85°	16.7	16.7	16.2	15.3	16.2	15.8	15.3	15.3	14.9	14.9	14.9
87.5°	8.6	7.7	7.7	7.2	7.7	6.8	7.2	6.8	6.3	6.8	6.3
90°	18.5	19.2	19.8	20.5	20.8	21.0	21.3	21.6	22.0	22.3	22.0
92.5°	20.6	21.7	22.9	24.0	24.6	24.7	24.8	25.0	25.1	25.3	25.1
95°	24.3	25.4	26.6	27.7	28.3	28.3	28.3	28.3	28.3	28.3	28.3
97.5°	25.1	26.5	27.8	29.1	29.8	29.9	30.0	30.2	30.3	30.5	30.3
100°	25.9	27.2	28.5	29.8	30.5	30.6	30.8	30.9	31.1	31.3	31.1
102.5°	49.6	44.2	38.7	33.2	30.5	30.7	31.0	31.3	31.7	32.0	31.7
105°	133.7	104.5	75.2	45.9	31.3	31.5	31.8	32.1	32.4	32.7	32.4
107.5°	264.0	238.6	213.1	187.6	174.9	164.1	142.4	120.7	99.1	77.4	99.1
110°	330.2	324.8	319.3	313.8	311.1	299.3	275.6	252.0	228.3	204.7	228.3

TEST NUMBER: P1031684

CATALOG NUMBER: S123DIW-B340D755UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	384.1	385.5	387.0	388.5	389.2	389.0	388.7	388.4	388.1	387.8	388.1
115°	428.8	430.5	432.1	433.8	434.6	434.9	435.6	436.3	436.9	437.6	436.9
117.5°	472.4	473.8	475.1	476.4	477.1	477.2	477.3	477.5	477.6	477.8	477.6
120°	514.8	516.2	517.5	518.8	519.5	519.5	519.5	519.5	519.5	519.5	519.5
122.5°	556.8	557.6	558.5	559.3	559.7	559.8	559.9	560.1	560.2	560.4	560.2
125°	595.7	596.1	596.4	596.7	596.9	597.1	597.4	597.7	598.1	598.4	598.1
127.5°	635.4	635.9	636.4	636.9	637.1	636.9	636.6	636.3	635.9	635.6	635.9
130°	670.5	671.1	671.8	672.5	672.8	672.6	672.3	672.0	671.6	671.3	671.6
132.5°	704.0	704.6	705.3	706.0	706.3	706.1	705.6	705.1	704.6	704.1	704.6
135°	738.1	738.6	739.1	739.6	739.8	739.6	739.1	738.6	738.1	737.6	738.1
137.5°	768.1	769.0	769.8	770.7	771.1	770.9	770.6	770.3	769.9	769.6	769.9
140°	797.0	797.7	798.3	799.0	799.3	799.1	798.8	798.5	798.1	797.8	798.1
142.5°	824.4	824.9	825.4	825.9	826.1	825.9	825.4	824.9	824.4	823.9	824.4
145°	849.5	849.9	850.2	850.5	850.7	850.7	850.7	850.7	850.7	850.7	850.7
147.5°	872.6	873.0	873.3	873.6	873.8	873.4	872.5	871.7	870.8	870.0	870.8
150°	893.4	893.8	894.1	894.4	894.6	894.4	893.9	893.4	892.9	892.4	892.9
152.5°	911.7	912.3	913.0	913.7	914.0	913.6	912.7	911.9	911.0	910.2	911.0
155°	928.1	929.0	929.8	930.7	931.1	930.6	929.6	928.6	927.6	926.6	927.6
157.5°	943.2	944.2	945.2	946.2	946.7	946.0	944.7	943.4	942.0	940.7	942.0
160°	955.9	956.9	957.9	958.9	959.4	958.8	957.6	956.5	955.3	954.1	955.3
162.5°	967.3	968.4	969.6	970.7	971.3	970.8	969.8	968.8	967.8	966.8	967.8
165°	977.0	978.4	979.7	981.0	981.7	981.1	980.0	978.8	977.7	976.5	977.7
167.5°	985.2	986.6	987.9	989.2	989.9	989.2	987.9	986.6	985.2	983.9	985.2
170°	991.9	993.3	994.6	995.9	996.6	995.9	994.6	993.3	991.9	990.6	991.9
172.5°	996.4	997.7	999.0	1000.3	1001.0	1000.3	998.8	997.3	995.8	994.3	995.8
175°	1000.0	1001.1	1002.3	1003.4	1004.0	1003.3	1002.0	1000.7	999.4	998.1	999.4
177.5°	1001.6	1002.9	1004.2	1005.5	1006.2	1005.4	1003.7	1002.1	1000.4	998.8	1000.4
180°	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8

TEST NUMBER: P1031684

CATALOG NUMBER: S123DIW-B340D755UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5
2.5°	498.9	500.2	496.6	495.7	495.7	497.5	496.2	484.0	486.3	483.6	482.7
5°	553.9	551.2	547.6	545.8	543.6	537.2	536.8	522.8	520.1	511.1	507.0
7.5°	614.4	612.1	601.3	599.9	599.0	593.2	578.3	563.4	552.6	542.2	532.3
10°	683.4	676.6	671.7	661.7	656.8	648.7	629.3	615.3	596.8	581.0	560.2
12.5°	766.4	758.7	742.0	734.8	728.5	705.9	686.5	670.8	634.7	623.8	598.1
15°	827.3	811.0	809.2	793.5	792.5	767.7	730.8	713.6	685.6	645.9	619.3
17.5°	893.1	878.7	867.4	848.5	845.8	822.3	795.3	753.3	722.6	684.7	650.9
20°	941.4	933.7	914.3	906.7	890.9	871.0	843.1	791.2	753.8	715.9	674.4
22.5°	979.7	972.1	956.7	946.4	937.3	911.6	878.3	834.0	782.6	733.0	690.2
25°	979.3	977.0	970.7	965.8	959.0	940.1	912.1	869.7	812.4	757.8	698.3
27.5°	923.8	930.1	941.0	946.4	945.0	942.3	926.5	890.9	839.5	774.5	707.7
30°	808.3	831.3	851.6	878.7	886.8	906.7	915.7	895.4	854.3	793.9	719.9
32.5°	670.3	703.7	747.9	762.8	788.5	826.8	869.7	877.4	851.6	805.2	727.6
35°	549.9	577.4	611.7	635.1	658.1	720.4	774.5	821.4	830.0	799.3	725.8
37.5°	455.1	474.5	504.8	524.6	545.8	599.0	674.8	735.7	778.6	779.5	720.8
40°	386.6	395.1	421.3	435.7	456.0	502.1	569.7	649.1	711.8	740.7	707.7
42.5°	327.5	338.8	360.4	371.2	384.3	424.5	469.1	544.5	622.0	683.8	683.4
45°	292.3	300.4	310.3	319.4	334.3	358.2	409.1	465.5	539.9	609.9	637.4
47.5°	261.2	268.8	278.8	281.5	291.4	314.0	345.1	394.2	463.7	533.2	585.1
50°	235.0	241.3	248.1	253.1	257.6	276.1	299.5	341.0	396.5	463.7	528.2
52.5°	214.7	219.2	225.1	227.8	231.9	245.4	263.4	294.1	339.7	401.0	463.7
55°	195.8	198.9	202.5	207.0	208.9	218.8	232.8	258.9	292.8	347.8	407.3
57.5°	178.2	179.5	181.8	184.5	186.7	195.3	207.5	225.1	254.9	297.3	353.6
60°	158.3	161.9	163.3	166.0	167.4	174.1	183.6	198.5	221.5	258.0	300.4
62.5°	141.6	143.9	146.2	147.5	150.7	152.9	160.6	174.1	193.1	220.1	258.5
65°	126.8	127.7	129.0	130.4	131.3	134.0	141.2	150.2	164.6	188.6	218.3
67.5°	109.6	110.5	112.3	112.8	113.7	117.3	121.3	129.0	141.2	159.2	183.6
70°	92.9	94.3	95.2	96.1	97.4	98.8	103.3	109.6	119.1	131.7	150.7
72.5°	78.5	79.8	79.8	80.7	80.3	82.1	86.6	91.1	97.4	107.8	124.5
75°	64.1	64.1	65.0	65.4	65.9	67.7	69.5	73.1	78.0	86.2	96.5
77.5°	50.5	50.1	51.0	51.0	51.0	52.3	54.1	55.9	59.1	65.0	73.1
80°	37.0	37.0	37.9	38.3	37.4	37.9	38.8	40.6	42.9	46.9	51.4
82.5°	24.4	26.2	25.7	26.2	25.7	26.6	27.1	27.5	28.4	30.2	33.4
85°	14.9	14.9	14.9	15.3	14.9	15.3	15.3	15.3	15.8	16.7	18.0
87.5°	6.3	6.3	6.3	6.8	6.3	6.3	6.8	6.3	6.8	6.8	7.2
90°	21.6	21.3	21.0	20.8	20.5	19.8	19.2	18.5	17.9	15.7	13.6
92.5°	25.0	24.8	24.7	24.6	24.0	22.9	21.7	20.6	19.4	17.9	16.4
95°	28.3	28.3	28.3	28.3	27.7	26.6	25.4	24.3	23.1	21.3	19.5
97.5°	30.2	30.0	29.9	29.8	29.1	27.8	26.5	25.1	23.8	32.2	40.7
100°	30.9	30.8	30.6	30.5	29.8	28.5	27.2	25.9	24.6	50.4	76.2
102.5°	31.3	31.0	30.7	30.5	33.2	38.7	44.2	49.6	55.1	83.9	112.7
105°	32.1	31.8	31.5	31.3	45.9	75.2	104.5	133.7	163.0	177.9	192.8
107.5°	120.7	142.4	164.1	174.9	187.6	213.1	238.6	264.0	289.5	287.0	284.6
110°	252.0	275.6	299.3	311.1	313.8	319.3	324.8	330.2	335.7	333.9	332.1

TEST NUMBER: P1031684

CATALOG NUMBER: S123DIW-B340D755UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	388.4	388.7	389.0	389.2	388.5	387.0	385.5	384.1	382.6	380.8	379.0
115°	436.3	435.6	434.9	434.6	433.8	432.1	430.5	428.8	427.2	425.7	424.2
117.5°	477.5	477.3	477.2	477.1	476.4	475.1	473.8	472.4	471.1	470.3	469.5
120°	519.5	519.5	519.5	519.5	518.8	517.5	516.2	514.8	513.5	513.0	512.5
122.5°	560.1	559.9	559.8	559.7	559.3	558.5	557.6	556.8	556.0	555.3	554.7
125°	597.7	597.4	597.1	596.9	596.7	596.4	596.1	595.7	595.4	594.7	594.1
127.5°	636.3	636.6	636.9	637.1	636.9	636.4	635.9	635.4	634.9	634.1	633.2
130°	672.0	672.3	672.6	672.8	672.5	671.8	671.1	670.5	669.8	669.2	668.5
132.5°	705.1	705.6	706.1	706.3	706.0	705.3	704.6	704.0	703.3	702.8	702.3
135°	738.6	739.1	739.6	739.8	739.6	739.1	738.6	738.1	737.6	736.9	736.3
137.5°	770.3	770.6	770.9	771.1	770.7	769.8	769.0	768.1	767.3	767.0	766.6
140°	798.5	798.8	799.1	799.3	799.0	798.3	797.7	797.0	796.4	795.9	795.4
142.5°	824.9	825.4	825.9	826.1	825.9	825.4	824.9	824.4	823.9	823.4	822.9
145°	850.7	850.7	850.7	850.7	850.5	850.2	849.9	849.5	849.2	848.9	848.5
147.5°	871.7	872.5	873.4	873.8	873.6	873.3	873.0	872.6	872.3	872.0	871.6
150°	893.4	893.9	894.4	894.6	894.4	894.1	893.8	893.4	893.1	892.8	892.4
152.5°	911.9	912.7	913.6	914.0	913.7	913.0	912.3	911.7	911.0	910.8	910.6
155°	928.6	929.6	930.6	931.1	930.7	929.8	929.0	928.1	927.3	927.1	927.0
157.5°	943.4	944.7	946.0	946.7	946.2	945.2	944.2	943.2	942.2	942.4	942.6
160°	956.5	957.6	958.8	959.4	958.9	957.9	956.9	955.9	954.9	955.1	955.2
162.5°	968.8	969.8	970.8	971.3	970.7	969.6	968.4	967.3	966.1	966.3	966.4
165°	978.8	980.0	981.1	981.7	981.0	979.7	978.4	977.0	975.7	975.9	976.1
167.5°	986.6	987.9	989.2	989.9	989.2	987.9	986.6	985.2	983.9	983.9	983.9
170°	993.3	994.6	995.9	996.6	995.9	994.6	993.3	991.9	990.6	990.6	990.6
172.5°	997.3	998.8	1000.3	1001.0	1000.3	999.0	997.7	996.4	995.1	994.9	994.7
175°	1000.7	1002.0	1003.3	1004.0	1003.4	1002.3	1001.1	1000.0	998.8	998.6	998.5
177.5°	1002.1	1003.7	1005.4	1006.2	1005.5	1004.2	1002.9	1001.6	1000.3	1000.1	999.9
180°	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8

TEST NUMBER: P1031684

CATALOG NUMBER: S123DIW-B340D755UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5
2.5°	478.1	476.8	476.8	475.9	473.2	468.2	467.8	468.7	466.0	463.3	459.2
5°	501.6	493.0	490.3	487.6	482.2	473.2	469.6	466.4	461.5	455.6	449.3
7.5°	521.4	509.3	505.7	500.7	489.9	477.2	469.1	462.4	455.6	447.5	439.8
10°	546.3	528.7	520.1	512.9	498.0	480.4	468.2	458.3	447.5	437.5	427.6
12.5°	574.2	545.8	543.1	525.5	508.4	482.2	467.3	452.9	438.5	426.3	415.9
15°	597.7	566.6	555.3	543.6	510.6	478.1	463.7	447.5	430.8	417.7	402.4
17.5°	612.6	586.9	562.9	547.2	512.9	484.0	456.0	437.5	420.0	401.9	389.3
20°	630.6	593.2	572.4	551.2	517.4	479.5	451.5	428.5	406.9	390.6	375.3
22.5°	648.7	598.1	581.0	558.0	518.3	475.0	443.4	420.4	395.6	379.4	362.7
25°	646.8	605.4	576.9	557.5	509.3	470.9	433.9	406.9	383.9	363.1	346.4
27.5°	648.2	597.2	568.4	545.8	503.0	465.1	424.0	395.6	371.7	350.0	332.4
30°	648.7	585.1	559.8	532.7	491.2	451.1	412.7	383.9	358.6	335.2	319.4
32.5°	647.3	575.1	543.6	519.2	472.7	437.5	399.7	369.0	343.3	321.6	306.7
35°	644.1	563.4	526.9	496.2	453.8	418.2	387.5	355.9	328.4	308.5	291.4
37.5°	635.6	550.8	509.3	479.0	431.7	395.6	368.5	342.4	315.8	292.3	277.9
40°	629.3	533.6	491.7	458.7	407.8	372.6	350.0	325.2	299.1	277.9	263.9
42.5°	614.8	517.4	473.6	434.4	384.3	348.2	327.0	307.2	284.6	263.9	251.3
45°	591.4	499.8	451.5	411.8	358.6	324.3	304.9	288.7	268.8	249.0	236.4
47.5°	558.4	474.5	428.1	388.4	333.3	298.6	279.2	267.0	251.3	234.6	223.7
50°	522.8	447.0	404.2	364.9	309.0	275.2	256.2	244.9	234.6	219.2	208.9
52.5°	476.3	417.7	376.7	339.2	282.8	250.3	233.7	225.5	214.7	203.9	194.9
55°	431.2	379.8	346.0	310.3	257.1	226.9	210.7	202.1	195.8	186.7	179.5
57.5°	378.9	344.6	313.5	281.0	233.2	205.7	190.4	180.0	175.9	171.9	165.1
60°	330.6	304.5	279.2	252.2	208.4	183.6	168.7	160.6	156.5	153.8	149.3
62.5°	286.4	266.1	244.5	222.8	183.1	160.6	149.3	141.2	137.6	137.1	133.1
65°	244.0	229.6	212.0	190.8	159.7	139.8	129.0	124.0	120.0	120.0	116.8
67.5°	201.6	191.7	177.7	162.8	138.5	120.0	110.1	105.6	103.3	103.3	101.0
70°	167.8	161.0	148.4	135.3	114.1	100.1	92.5	88.4	87.1	87.5	85.7
72.5°	136.2	129.0	118.6	109.2	93.4	83.0	77.6	73.1	70.8	71.3	70.8
75°	105.6	101.9	92.9	85.7	73.1	65.9	60.9	58.6	56.8	57.3	56.4
77.5°	79.4	74.0	69.0	64.1	56.4	50.5	46.5	44.2	42.9	42.9	42.9
80°	54.1	53.2	49.2	46.5	40.1	35.6	32.5	32.0	30.7	30.7	30.7
82.5°	35.2	32.9	30.7	28.9	25.3	22.6	21.2	20.3	19.8	19.4	20.3
85°	19.4	18.0	17.1	15.3	14.0	12.6	11.3	10.8	10.4	10.8	10.4
87.5°	7.7	6.3	6.3	5.9	5.4	5.0	5.0	4.1	4.1	3.6	3.6
90°	11.4	9.3	8.2	7.4	5.7	4.0	2.4	0.7	2.4	4.0	5.7
92.5°	14.9	13.4	12.7	13.2	14.2	15.1	16.1	17.1	16.1	15.1	14.2
95°	17.6	15.8	14.9	18.3	25.1	31.8	38.6	45.4	38.6	31.8	25.1
97.5°	49.1	57.6	61.8	64.1	68.7	73.4	78.0	82.6	78.0	73.4	68.7
100°	102.0	127.8	140.7	139.0	135.7	132.4	129.1	125.8	129.1	132.4	135.7
102.5°	141.4	170.2	184.6	183.5	181.4	179.2	177.1	174.9	177.1	179.2	181.4
105°	207.7	222.6	230.0	229.1	227.3	225.4	223.6	221.8	223.6	225.4	227.3
107.5°	282.1	279.6	278.4	277.7	276.2	274.7	273.2	271.7	273.2	274.7	276.2
110°	330.2	328.4	327.5	326.8	325.5	324.2	322.8	321.5	322.8	324.2	325.5

TEST NUMBER: P1031684

CATALOG NUMBER: S123DIW-B340D755UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	377.1	375.3	374.4	373.8	372.7	371.5	370.4	369.2	370.4	371.5	372.7
115°	422.7	421.2	420.5	420.0	419.0	418.0	417.0	416.0	417.0	418.0	419.0
117.5°	468.6	467.8	467.4	466.8	465.7	464.5	463.4	462.2	463.4	464.5	465.7
120°	512.0	511.5	511.3	510.6	509.1	507.6	506.1	504.6	506.1	507.6	509.1
122.5°	554.0	553.3	553.0	552.4	551.3	550.1	549.0	547.8	549.0	550.1	551.3
125°	593.4	592.7	592.4	591.7	590.4	589.1	587.8	586.5	587.8	589.1	590.4
127.5°	632.4	631.5	631.1	630.4	629.1	627.8	626.5	625.2	626.5	627.8	629.1
130°	667.9	667.2	666.9	666.2	664.9	663.6	662.2	660.9	662.2	663.6	664.9
132.5°	701.8	701.3	701.1	700.4	699.1	697.8	696.4	695.1	696.4	697.8	699.1
135°	735.6	734.9	734.6	734.1	733.1	732.1	731.1	730.1	731.1	732.1	733.1
137.5°	766.3	766.0	765.8	765.1	763.8	762.5	761.2	759.9	761.2	762.5	763.8
140°	794.9	794.4	794.1	793.6	792.6	791.7	790.7	789.7	790.7	791.7	792.6
142.5°	822.4	821.9	821.7	821.2	820.2	819.2	818.2	817.2	818.2	819.2	820.2
145°	848.2	847.9	847.7	847.1	846.0	844.8	843.7	842.5	843.7	844.8	846.0
147.5°	871.3	871.0	870.8	870.4	869.6	868.7	867.9	867.1	867.9	868.7	869.6
150°	892.1	891.8	891.6	891.4	890.9	890.4	889.9	889.4	889.9	890.4	890.9
152.5°	910.5	910.3	910.2	910.1	910.0	909.8	909.7	909.5	909.7	909.8	910.0
155°	926.8	926.7	926.6	926.8	927.1	927.4	927.8	928.1	927.8	927.4	927.1
157.5°	942.7	942.9	943.0	943.0	943.0	943.0	943.0	943.0	943.0	943.0	943.0
160°	955.4	955.5	955.6	955.7	955.9	956.0	956.2	956.4	956.2	956.0	955.9
162.5°	966.6	966.7	966.8	967.0	967.5	968.0	968.5	969.0	968.5	968.0	967.5
165°	976.2	976.4	976.5	976.7	977.2	977.7	978.2	978.7	978.2	977.7	977.2
167.5°	983.9	983.9	983.9	984.2	984.9	985.6	986.2	986.9	986.2	985.6	984.9
170°	990.6	990.6	990.6	990.9	991.6	992.3	992.9	993.6	992.9	992.3	991.6
172.5°	994.6	994.4	994.3	994.7	995.6	996.4	997.3	998.1	997.3	996.4	995.6
175°	998.3	998.2	998.1	998.5	999.3	1000.2	1001.0	1001.8	1001.0	1000.2	999.3
177.5°	999.8	999.6	999.5	999.9	1000.8	1001.6	1002.5	1003.3	1002.5	1001.6	1000.8
180°	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8

TEST NUMBER: P1031684

CATALOG NUMBER: S123DIW-B340D755UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5
2.5°	458.3	457.8	458.7	456.0	451.5	449.3	443.0	441.6	441.2	441.6	442.1
5°	445.7	445.2	443.9	439.4	433.9	429.9	422.2	421.8	419.1	416.3	417.7
7.5°	433.5	431.7	429.0	423.1	415.9	411.4	405.1	400.6	397.0	394.7	392.9
10°	421.3	418.6	415.9	408.2	399.2	392.4	384.8	381.2	377.1	375.3	373.5
12.5°	405.5	402.8	397.9	388.8	383.4	374.8	367.2	363.6	361.3	357.7	355.5
15°	392.9	387.5	384.8	375.3	364.0	363.1	349.1	348.2	343.7	343.7	340.1
17.5°	378.5	374.4	369.4	360.0	351.8	343.7	336.5	333.8	329.7	328.8	327.0
20°	364.5	359.1	357.3	347.8	339.2	329.3	321.6	318.9	317.1	315.3	316.7
22.5°	350.0	345.5	341.0	332.4	326.1	316.2	311.7	309.0	306.3	305.4	305.8
25°	336.1	332.0	327.5	318.9	312.1	304.0	300.0	298.6	297.3	297.3	296.8
27.5°	322.5	318.5	314.4	306.7	300.0	294.1	290.9	289.6	288.2	289.1	290.0
30°	308.5	304.9	301.3	294.6	289.1	283.7	281.9	281.0	280.6	282.8	282.8
32.5°	295.9	292.8	290.0	283.7	278.3	273.8	272.5	272.9	273.4	274.7	275.6
35°	282.8	280.6	277.9	272.5	267.9	263.9	264.3	264.3	265.2	267.5	269.3
37.5°	271.1	267.9	265.7	261.2	257.6	254.0	255.3	256.7	257.6	260.3	261.2
40°	257.1	255.8	254.0	249.4	246.3	245.8	246.3	247.2	249.0	250.3	251.7
42.5°	245.8	244.0	241.8	238.2	235.5	235.9	236.4	237.3	238.2	240.4	241.8
45°	233.2	231.9	230.1	226.9	224.6	225.1	225.5	225.5	226.4	229.1	230.1
47.5°	219.2	219.7	217.4	214.3	212.9	212.9	212.9	213.8	216.1	217.0	217.4
50°	205.7	204.8	204.3	201.2	200.3	199.8	200.3	200.7	203.9	203.4	204.8
52.5°	191.3	191.3	190.8	189.0	187.6	187.6	186.7	189.0	189.9	190.8	192.2
55°	177.3	175.9	175.5	174.6	172.8	172.3	173.2	175.9	176.8	177.7	179.1
57.5°	161.9	161.9	161.0	159.7	159.7	159.7	159.7	161.5	162.8	163.7	166.4
60°	148.0	146.2	144.8	144.8	144.8	144.3	147.1	147.1	149.8	150.2	151.1
62.5°	131.3	130.4	129.5	129.9	129.5	130.4	131.3	133.1	133.5	134.9	136.2
65°	115.5	115.5	114.6	117.3	115.5	115.5	117.7	117.7	118.6	120.0	121.8
67.5°	100.1	100.6	99.7	99.7	100.6	101.0	101.5	103.3	103.7	105.6	107.8
70°	84.4	85.3	85.7	84.8	85.7	86.6	87.5	88.0	89.8	90.7	92.0
72.5°	70.4	71.3	69.9	70.4	70.8	71.7	72.2	73.1	74.0	76.7	77.6
75°	56.4	55.9	55.5	57.3	56.4	58.2	58.6	58.6	59.5	61.8	62.7
77.5°	43.3	43.3	43.8	42.9	44.2	43.8	44.2	45.6	46.9	46.9	50.5
80°	30.2	31.1	31.1	31.1	31.6	32.0	31.1	33.4	33.8	33.8	35.2
82.5°	19.4	19.8	19.4	20.3	20.3	21.2	20.7	21.2	22.1	23.0	23.5
85°	10.4	10.4	11.3	11.3	10.8	11.3	10.8	11.3	12.2	12.2	12.6
87.5°	3.6	3.6	3.6	3.6	4.1	3.6	4.1	4.1	3.6	3.6	5.0
90°	7.4	8.2	9.3	11.4	13.6	15.7	17.9	18.5	19.2	19.8	20.5
92.5°	13.2	12.7	13.4	14.9	16.4	17.9	19.4	20.6	21.7	22.9	24.0
95°	18.3	14.9	15.8	17.6	19.5	21.3	23.1	24.3	25.4	26.6	27.7
97.5°	64.1	61.8	57.6	49.1	40.7	32.2	23.8	25.1	26.5	27.8	29.1
100°	139.0	140.7	127.8	102.0	76.2	50.4	24.6	25.9	27.2	28.5	29.8
102.5°	183.5	184.6	170.2	141.4	112.7	83.9	55.1	49.6	44.2	38.7	33.2
105°	229.1	230.0	222.6	207.7	192.8	177.9	163.0	133.7	104.5	75.2	45.9
107.5°	277.7	278.4	279.6	282.1	284.6	287.0	289.5	264.0	238.6	213.1	187.6
110°	326.8	327.5	328.4	330.2	332.1	333.9	335.7	330.2	324.8	319.3	313.8

TEST NUMBER: P1031684

CATALOG NUMBER: S123DIW-B340D755UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	373.8	374.4	375.3	377.1	379.0	380.8	382.6	384.1	385.5	387.0	388.5
115°	420.0	420.5	421.2	422.7	424.2	425.7	427.2	428.8	430.5	432.1	433.8
117.5°	466.8	467.4	467.8	468.6	469.5	470.3	471.1	472.4	473.8	475.1	476.4
120°	510.6	511.3	511.5	512.0	512.5	513.0	513.5	514.8	516.2	517.5	518.8
122.5°	552.4	553.0	553.3	554.0	554.7	555.3	556.0	556.8	557.6	558.5	559.3
125°	591.7	592.4	592.7	593.4	594.1	594.7	595.4	595.7	596.1	596.4	596.7
127.5°	630.4	631.1	631.5	632.4	633.2	634.1	634.9	635.4	635.9	636.4	636.9
130°	666.2	666.9	667.2	667.9	668.5	669.2	669.8	670.5	671.1	671.8	672.5
132.5°	700.4	701.1	701.3	701.8	702.3	702.8	703.3	704.0	704.6	705.3	706.0
135°	734.1	734.6	734.9	735.6	736.3	736.9	737.6	738.1	738.6	739.1	739.6
137.5°	765.1	765.8	766.0	766.3	766.6	767.0	767.3	768.1	769.0	769.8	770.7
140°	793.6	794.1	794.4	794.9	795.4	795.9	796.4	797.0	797.7	798.3	799.0
142.5°	821.2	821.7	821.9	822.4	822.9	823.4	823.9	824.4	824.9	825.4	825.9
145°	847.1	847.7	847.9	848.2	848.5	848.9	849.2	849.5	849.9	850.2	850.5
147.5°	870.4	870.8	871.0	871.3	871.6	872.0	872.3	872.6	873.0	873.3	873.6
150°	891.4	891.6	891.8	892.1	892.4	892.8	893.1	893.4	893.8	894.1	894.4
152.5°	910.1	910.2	910.3	910.5	910.6	910.8	911.0	911.7	912.3	913.0	913.7
155°	926.8	926.6	926.7	926.8	927.0	927.1	927.3	928.1	929.0	929.8	930.7
157.5°	943.0	943.0	942.9	942.7	942.6	942.4	942.2	943.2	944.2	945.2	946.2
160°	955.7	955.6	955.5	955.4	955.2	955.1	954.9	955.9	956.9	957.9	958.9
162.5°	967.0	966.8	966.7	966.6	966.4	966.3	966.1	967.3	968.4	969.6	970.7
165°	976.7	976.5	976.4	976.2	976.1	975.9	975.7	977.0	978.4	979.7	981.0
167.5°	984.2	983.9	983.9	983.9	983.9	983.9	983.9	985.2	986.6	987.9	989.2
170°	990.9	990.6	990.6	990.6	990.6	990.6	990.6	991.9	993.3	994.6	995.9
172.5°	994.7	994.3	994.4	994.6	994.7	994.9	995.1	996.4	997.7	999.0	1000.3
175°	998.5	998.1	998.2	998.3	998.5	998.6	998.8	1000.0	1001.1	1002.3	1003.4
177.5°	999.9	999.5	999.6	999.8	999.9	1000.1	1000.3	1001.6	1002.9	1004.2	1005.5
180°	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8

TEST NUMBER: P1031684

CATALOG NUMBER: S123DIW-B340D755UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5
2.5°	441.6	442.1	440.3	438.9	442.5	440.3	440.3	440.7	439.8	441.2	440.7
5°	416.8	417.2	414.1	415.0	413.2	412.7	412.3	415.0	414.5	414.1	415.0
7.5°	392.4	392.4	391.1	390.2	390.2	388.8	390.6	390.2	391.1	391.1	392.4
10°	372.1	373.0	370.8	368.5	368.1	368.5	368.5	369.0	369.4	372.6	372.1
12.5°	355.5	354.1	353.6	352.3	350.0	349.1	348.2	353.2	351.8	351.8	351.8
15°	337.0	340.1	339.7	335.6	334.7	336.5	335.6	335.6	340.1	339.7	339.2
17.5°	327.0	326.1	325.2	323.0	323.4	323.0	323.4	323.4	326.1	326.1	326.1
20°	315.8	314.0	314.0	313.1	313.1	311.7	313.5	314.0	315.8	315.8	316.2
22.5°	305.8	304.5	304.5	304.0	304.9	303.1	304.9	305.4	305.4	306.7	306.7
25°	297.3	296.4	296.4	297.3	297.3	297.3	297.3	299.1	297.7	298.2	297.7
27.5°	289.6	290.0	290.5	290.9	290.5	290.9	291.4	292.3	292.8	292.3	291.4
30°	282.4	283.7	284.2	284.2	285.1	285.5	286.0	286.0	286.4	285.1	286.0
32.5°	277.0	277.0	277.9	278.3	279.2	279.7	279.7	280.6	280.1	278.8	279.2
35°	269.3	269.3	271.1	272.0	273.4	272.9	273.4	273.4	273.8	272.9	271.6
37.5°	261.6	262.5	262.5	264.3	264.8	265.2	264.8	265.7	265.2	264.3	263.9
40°	252.6	252.2	252.6	254.0	254.4	254.4	254.4	255.3	255.3	255.3	254.9
42.5°	241.3	242.7	242.2	243.6	243.1	243.1	244.0	244.9	245.4	244.0	244.5
45°	230.5	230.5	231.4	231.4	231.9	231.9	233.7	232.8	233.7	232.8	233.2
47.5°	218.8	219.2	219.2	219.7	220.6	221.5	220.6	221.0	221.0	221.5	220.6
50°	205.7	205.7	206.6	207.9	209.8	208.9	208.4	210.2	208.9	208.9	207.9
52.5°	192.2	193.5	194.0	195.3	196.7	197.1	197.6	196.7	197.1	195.8	196.2
55°	179.1	179.5	181.3	182.7	184.0	184.0	183.6	184.0	184.5	182.7	182.7
57.5°	166.0	167.4	169.2	169.2	171.0	171.0	170.5	170.5	171.0	169.6	169.2
60°	152.0	153.4	155.6	155.6	158.3	158.8	157.9	157.0	157.0	155.6	156.1
62.5°	137.1	138.5	139.8	142.1	143.9	143.0	144.8	143.0	143.4	140.7	140.7
65°	124.0	124.5	126.8	129.0	129.0	129.9	129.0	129.5	128.1	128.1	126.3
67.5°	108.7	108.7	111.0	113.2	115.5	115.5	115.5	114.1	114.1	112.8	112.8
70°	95.2	94.7	97.0	98.3	99.7	100.1	99.2	98.8	97.9	96.5	96.1
72.5°	78.5	79.4	81.6	82.5	84.8	84.4	86.6	83.9	83.9	81.6	81.2
75°	63.6	64.5	66.8	68.1	69.5	69.5	70.8	69.5	67.7	66.8	66.3
77.5°	50.5	50.1	51.9	54.1	54.6	54.1	55.0	54.6	52.8	52.8	51.9
80°	36.1	37.4	39.2	38.8	40.6	40.1	40.1	39.2	39.2	37.9	38.8
82.5°	23.9	25.3	25.7	25.3	25.7	26.6	27.1	26.6	26.6	25.7	26.2
85°	12.6	12.6	13.5	14.0	13.5	13.5	14.0	15.3	14.4	13.5	14.4
87.5°	4.1	3.6	3.6	4.1	3.6	3.6	4.1	4.1	4.5	4.5	4.5
90°	20.8	21.0	21.3	21.6	22.0	22.3	22.0	21.6	21.3	21.0	20.8
92.5°	24.6	24.7	24.8	25.0	25.1	25.3	25.1	25.0	24.8	24.7	24.6
95°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
97.5°	29.8	29.9	30.0	30.2	30.3	30.5	30.3	30.2	30.0	29.9	29.8
100°	30.5	30.6	30.8	30.9	31.1	31.3	31.1	30.9	30.8	30.6	30.5
102.5°	30.5	30.7	31.0	31.3	31.7	32.0	31.7	31.3	31.0	30.7	30.5
105°	31.3	31.5	31.8	32.1	32.4	32.7	32.4	32.1	31.8	31.5	31.3
107.5°	174.9	164.1	142.4	120.7	99.1	77.4	99.1	120.7	142.4	164.1	174.9
110°	311.1	299.3	275.6	252.0	228.3	204.7	228.3	252.0	275.6	299.3	311.1

TEST NUMBER: P1031684

CATALOG NUMBER: S123DIW-B340D755UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	389.2	389.0	388.7	388.4	388.1	387.8	388.1	388.4	388.7	389.0	389.2
115°	434.6	434.9	435.6	436.3	436.9	437.6	436.9	436.3	435.6	434.9	434.6
117.5°	477.1	477.2	477.3	477.5	477.6	477.8	477.6	477.5	477.3	477.2	477.1
120°	519.5	519.5	519.5	519.5	519.5	519.5	519.5	519.5	519.5	519.5	519.5
122.5°	559.7	559.8	559.9	560.1	560.2	560.4	560.2	560.1	559.9	559.8	559.7
125°	596.9	597.1	597.4	597.7	598.1	598.4	598.1	597.7	597.4	597.1	596.9
127.5°	637.1	636.9	636.6	636.3	635.9	635.6	635.9	636.3	636.6	636.9	637.1
130°	672.8	672.6	672.3	672.0	671.6	671.3	671.6	672.0	672.3	672.6	672.8
132.5°	706.3	706.1	705.6	705.1	704.6	704.1	704.6	705.1	705.6	706.1	706.3
135°	739.8	739.6	739.1	738.6	738.1	737.6	738.1	738.6	739.1	739.6	739.8
137.5°	771.1	770.9	770.6	770.3	769.9	769.6	769.9	770.3	770.6	770.9	771.1
140°	799.3	799.1	798.8	798.5	798.1	797.8	798.1	798.5	798.8	799.1	799.3
142.5°	826.1	825.9	825.4	824.9	824.4	823.9	824.4	824.9	825.4	825.9	826.1
145°	850.7	850.7	850.7	850.7	850.7	850.7	850.7	850.7	850.7	850.7	850.7
147.5°	873.8	873.4	872.5	871.7	870.8	870.0	870.8	871.7	872.5	873.4	873.8
150°	894.6	894.4	893.9	893.4	892.9	892.4	892.9	893.4	893.9	894.4	894.6
152.5°	914.0	913.6	912.7	911.9	911.0	910.2	911.0	911.9	912.7	913.6	914.0
155°	931.1	930.6	929.6	928.6	927.6	926.6	927.6	928.6	929.6	930.6	931.1
157.5°	946.7	946.0	944.7	943.4	942.0	940.7	942.0	943.4	944.7	946.0	946.7
160°	959.4	958.8	957.6	956.5	955.3	954.1	955.3	956.5	957.6	958.8	959.4
162.5°	971.3	970.8	969.8	968.8	967.8	966.8	967.8	968.8	969.8	970.8	971.3
165°	981.7	981.1	980.0	978.8	977.7	976.5	977.7	978.8	980.0	981.1	981.7
167.5°	989.9	989.2	987.9	986.6	985.2	983.9	985.2	986.6	987.9	989.2	989.9
170°	996.6	995.9	994.6	993.3	991.9	990.6	991.9	993.3	994.6	995.9	996.6
172.5°	1001.0	1000.3	998.8	997.3	995.8	994.3	995.8	997.3	998.8	1000.3	1001.0
175°	1004.0	1003.3	1002.0	1000.7	999.4	998.1	999.4	1000.7	1002.0	1003.3	1004.0
177.5°	1006.2	1005.4	1003.7	1002.1	1000.4	998.8	1000.4	1002.1	1003.7	1005.4	1006.2
180°	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8

TEST NUMBER: P1031684

CATALOG NUMBER: S123DIW-B340D755UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5
2.5°	442.1	443.0	443.4	441.6	440.3	442.5	445.7	447.9	449.7	452.0	453.3
5°	415.9	419.1	419.1	420.0	421.3	423.6	429.4	433.5	437.1	439.8	442.1
7.5°	393.8	396.0	397.4	399.7	401.9	405.1	411.8	417.7	423.1	426.3	429.9
10°	373.9	375.8	378.0	379.4	383.4	387.9	396.5	401.5	407.8	412.7	417.2
12.5°	355.0	361.3	362.7	362.2	365.8	370.8	379.4	387.0	393.8	398.8	403.7
15°	341.5	343.7	346.4	346.0	353.6	355.0	362.2	371.2	380.3	383.4	387.9
17.5°	326.6	330.2	332.9	334.3	336.5	341.5	348.2	355.0	366.7	367.2	378.9
20°	314.9	318.5	320.3	322.1	323.4	329.3	335.2	342.8	352.3	357.3	363.6
22.5°	307.2	309.0	310.3	311.7	313.5	316.7	323.9	332.4	338.8	344.2	348.2
25°	298.2	300.0	301.8	302.7	304.0	305.8	311.2	318.0	327.0	330.6	334.7
27.5°	291.8	291.8	292.8	292.8	294.6	296.4	300.4	306.7	314.0	318.5	323.9
30°	285.1	284.6	285.1	284.6	284.2	286.9	290.5	295.9	300.9	306.3	309.9
32.5°	278.3	277.9	277.9	278.3	276.5	277.9	279.7	284.6	290.0	292.8	296.8
35°	271.1	270.2	270.2	270.2	269.3	268.4	270.2	274.7	278.3	281.9	285.1
37.5°	263.9	262.5	262.5	261.6	260.7	259.4	259.4	263.0	267.9	269.3	273.4
40°	254.0	254.0	253.1	252.6	251.7	250.8	249.4	252.6	257.1	258.5	261.6
42.5°	244.0	242.7	242.2	242.2	242.2	240.9	240.0	242.2	244.9	247.2	249.0
45°	232.8	231.9	232.3	231.9	231.0	230.5	230.1	231.0	234.1	235.0	237.3
47.5°	220.6	220.1	220.1	219.7	219.2	219.7	217.9	220.1	221.0	221.9	223.7
50°	207.9	207.5	207.0	206.6	206.6	207.0	206.6	206.6	208.4	209.3	211.1
52.5°	195.3	194.0	194.0	193.5	193.5	192.6	193.5	194.0	194.9	195.8	196.7
55°	181.8	181.8	180.4	180.4	179.5	179.5	180.0	179.5	181.3	182.2	182.2
57.5°	168.7	166.9	167.4	166.4	165.5	165.1	165.1	166.0	166.9	166.9	167.8
60°	154.7	152.9	152.5	150.7	151.6	150.2	150.7	150.7	152.5	151.6	152.5
62.5°	140.7	138.5	137.1	136.2	136.2	136.7	135.8	135.3	136.2	137.1	138.9
65°	125.9	124.5	123.1	121.8	121.8	121.3	122.2	120.9	120.4	120.9	121.8
67.5°	110.5	109.2	107.8	106.5	106.9	105.6	104.7	106.0	105.1	105.6	106.5
70°	95.6	94.7	92.0	91.1	90.7	91.1	90.7	89.8	91.1	90.7	91.1
72.5°	80.7	79.8	78.5	76.2	76.2	75.8	75.3	75.3	74.9	74.9	74.9
75°	66.3	64.5	63.2	62.7	61.8	61.3	60.9	60.0	60.4	60.9	60.0
77.5°	51.4	49.2	48.7	48.7	47.4	47.4	47.8	47.4	46.9	46.9	46.9
80°	37.9	36.1	36.1	35.2	34.3	34.3	34.3	34.3	33.8	33.4	33.8
82.5°	24.4	23.9	23.5	23.5	24.4	22.6	23.5	23.0	22.6	22.6	22.1
85°	13.5	14.0	13.5	14.0	13.1	13.5	13.5	13.5	13.1	13.5	12.6
87.5°	5.0	5.0	5.0	5.4	5.4	5.4	5.4	5.4	5.9	5.4	5.4
90°	20.5	19.8	19.2	18.5	17.9	15.7	13.6	11.4	9.3	8.2	7.4
92.5°	24.0	22.9	21.7	20.6	19.4	17.9	16.4	14.9	13.4	12.7	13.2
95°	27.7	26.6	25.4	24.3	23.1	21.3	19.5	17.6	15.8	14.9	18.3
97.5°	29.1	27.8	26.5	25.1	23.8	32.2	40.7	49.1	57.6	61.8	64.1
100°	29.8	28.5	27.2	25.9	24.6	50.4	76.2	102.0	127.8	140.7	139.0
102.5°	33.2	38.7	44.2	49.6	55.1	83.9	112.7	141.4	170.2	184.6	183.5
105°	45.9	75.2	104.5	133.7	163.0	177.9	192.8	207.7	222.6	230.0	229.1
107.5°	187.6	213.1	238.6	264.0	289.5	287.0	284.6	282.1	279.6	278.4	277.7
110°	313.8	319.3	324.8	330.2	335.7	333.9	332.1	330.2	328.4	327.5	326.8

TEST NUMBER: P1031684

CATALOG NUMBER: S123DIW-B340D755UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	388.5	387.0	385.5	384.1	382.6	380.8	379.0	377.1	375.3	374.4	373.8
115°	433.8	432.1	430.5	428.8	427.2	425.7	424.2	422.7	421.2	420.5	420.0
117.5°	476.4	475.1	473.8	472.4	471.1	470.3	469.5	468.6	467.8	467.4	466.8
120°	518.8	517.5	516.2	514.8	513.5	513.0	512.5	512.0	511.5	511.3	510.6
122.5°	559.3	558.5	557.6	556.8	556.0	555.3	554.7	554.0	553.3	553.0	552.4
125°	596.7	596.4	596.1	595.7	595.4	594.7	594.1	593.4	592.7	592.4	591.7
127.5°	636.9	636.4	635.9	635.4	634.9	634.1	633.2	632.4	631.5	631.1	630.4
130°	672.5	671.8	671.1	670.5	669.8	669.2	668.5	667.9	667.2	666.9	666.2
132.5°	706.0	705.3	704.6	704.0	703.3	702.8	702.3	701.8	701.3	701.1	700.4
135°	739.6	739.1	738.6	738.1	737.6	736.9	736.3	735.6	734.9	734.6	734.1
137.5°	770.7	769.8	769.0	768.1	767.3	767.0	766.6	766.3	766.0	765.8	765.1
140°	799.0	798.3	797.7	797.0	796.4	795.9	795.4	794.9	794.4	794.1	793.6
142.5°	825.9	825.4	824.9	824.4	823.9	823.4	822.9	822.4	821.9	821.7	821.2
145°	850.5	850.2	849.9	849.5	849.2	848.9	848.5	848.2	847.9	847.7	847.1
147.5°	873.6	873.3	873.0	872.6	872.3	872.0	871.6	871.3	871.0	870.8	870.4
150°	894.4	894.1	893.8	893.4	893.1	892.8	892.4	892.1	891.8	891.6	891.4
152.5°	913.7	913.0	912.3	911.7	911.0	910.8	910.6	910.5	910.3	910.2	910.1
155°	930.7	929.8	929.0	928.1	927.3	927.1	927.0	926.8	926.7	926.6	926.8
157.5°	946.2	945.2	944.2	943.2	942.2	942.4	942.6	942.7	942.9	943.0	943.0
160°	958.9	957.9	956.9	955.9	954.9	955.1	955.2	955.4	955.5	955.6	955.7
162.5°	970.7	969.6	968.4	967.3	966.1	966.3	966.4	966.6	966.7	966.8	967.0
165°	981.0	979.7	978.4	977.0	975.7	975.9	976.1	976.2	976.4	976.5	976.7
167.5°	989.2	987.9	986.6	985.2	983.9	983.9	983.9	983.9	983.9	983.9	984.2
170°	995.9	994.6	993.3	991.9	990.6	990.6	990.6	990.6	990.6	990.6	990.9
172.5°	1000.3	999.0	997.7	996.4	995.1	994.9	994.7	994.6	994.4	994.3	994.7
175°	1003.4	1002.3	1001.1	1000.0	998.8	998.6	998.5	998.3	998.2	998.1	998.5
177.5°	1005.5	1004.2	1002.9	1001.6	1000.3	1000.1	999.9	999.8	999.6	999.5	999.9
180°	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8	1001.8

TEST NUMBER: P1031684

CATALOG NUMBER: S123DIW-B340D755UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	465.5	465.5	465.5	465.5
2.5°	455.6	456.9	461.5	466.9
5°	446.6	450.2	456.5	465.1
7.5°	436.6	442.1	451.1	461.9
10°	425.4	433.0	444.3	457.8
12.5°	413.2	423.1	437.5	451.5
15°	405.5	415.4	428.5	443.9
17.5°	390.6	402.4	415.9	437.5
20°	375.3	388.4	406.0	427.6
22.5°	363.6	377.6	394.2	417.2
25°	349.6	364.0	382.1	406.0
27.5°	334.7	349.1	369.4	394.7
30°	323.4	337.4	356.8	383.9
32.5°	309.9	323.4	343.7	372.1
35°	294.6	309.9	329.3	358.2
37.5°	282.8	296.8	317.1	344.6
40°	270.2	282.4	302.2	329.3
42.5°	256.7	270.2	287.3	314.4
45°	244.0	254.0	271.6	297.3
47.5°	230.5	241.8	255.3	275.2
50°	216.1	225.5	240.4	254.0
52.5°	202.1	209.8	222.4	232.8
55°	187.2	194.9	204.3	210.7
57.5°	173.2	178.6	184.9	189.0
60°	156.1	161.5	165.5	169.6
62.5°	140.7	144.8	147.1	149.3
65°	124.9	127.2	128.6	130.4
67.5°	107.8	110.1	110.5	113.2
70°	92.0	92.5	93.4	94.7
72.5°	77.1	78.0	77.6	78.5
75°	61.8	62.7	61.8	62.7
77.5°	46.9	47.8	47.8	49.2
80°	33.8	34.3	34.7	34.7
82.5°	22.1	23.5	22.6	23.0
85°	12.6	13.1	13.1	13.5
87.5°	5.9	6.3	5.9	6.8
90°	5.7	4.0	2.4	0.7
92.5°	14.2	15.1	16.1	17.1
95°	25.1	31.8	38.6	45.4
97.5°	68.7	73.4	78.0	82.6
100°	135.7	132.4	129.1	125.8
102.5°	181.4	179.2	177.1	174.9
105°	227.3	225.4	223.6	221.8
107.5°	276.2	274.7	273.2	271.7
110°	325.5	324.2	322.8	321.5



TEST NUMBER: P1031684

CATALOG NUMBER: S123DIW-B340D755UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	372.7	371.5	370.4	369.2
115°	419.0	418.0	417.0	416.0
117.5°	465.7	464.5	463.4	462.2
120°	509.1	507.6	506.1	504.6
122.5°	551.3	550.1	549.0	547.8
125°	590.4	589.1	587.8	586.5
127.5°	629.1	627.8	626.5	625.2
130°	664.9	663.6	662.2	660.9
132.5°	699.1	697.8	696.4	695.1
135°	733.1	732.1	731.1	730.1
137.5°	763.8	762.5	761.2	759.9
140°	792.6	791.7	790.7	789.7
142.5°	820.2	819.2	818.2	817.2
145°	846.0	844.8	843.7	842.5
147.5°	869.6	868.7	867.9	867.1
150°	890.9	890.4	889.9	889.4
152.5°	910.0	909.8	909.7	909.5
155°	927.1	927.4	927.8	928.1
157.5°	943.0	943.0	943.0	943.0
160°	955.9	956.0	956.2	956.4
162.5°	967.5	968.0	968.5	969.0
165°	977.2	977.7	978.2	978.7
167.5°	984.9	985.6	986.2	986.9
170°	991.6	992.3	992.9	993.6
172.5°	995.6	996.4	997.3	998.1
175°	999.3	1000.2	1001.0	1001.8
177.5°	1000.8	1001.6	1002.5	1003.3
180°	1001.8	1001.8	1001.8	1001.8

(END OF REPORT)