

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: P1031678

Luminaire Tested: S123DIW-B340D755UB35-4F0-XX-W2A-A

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1031678
REPORT IS A COMBINATION OF REPORTS P991482 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIW-B340D755UB35-4F0-XX-W2A-A
Description: Define 3 Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

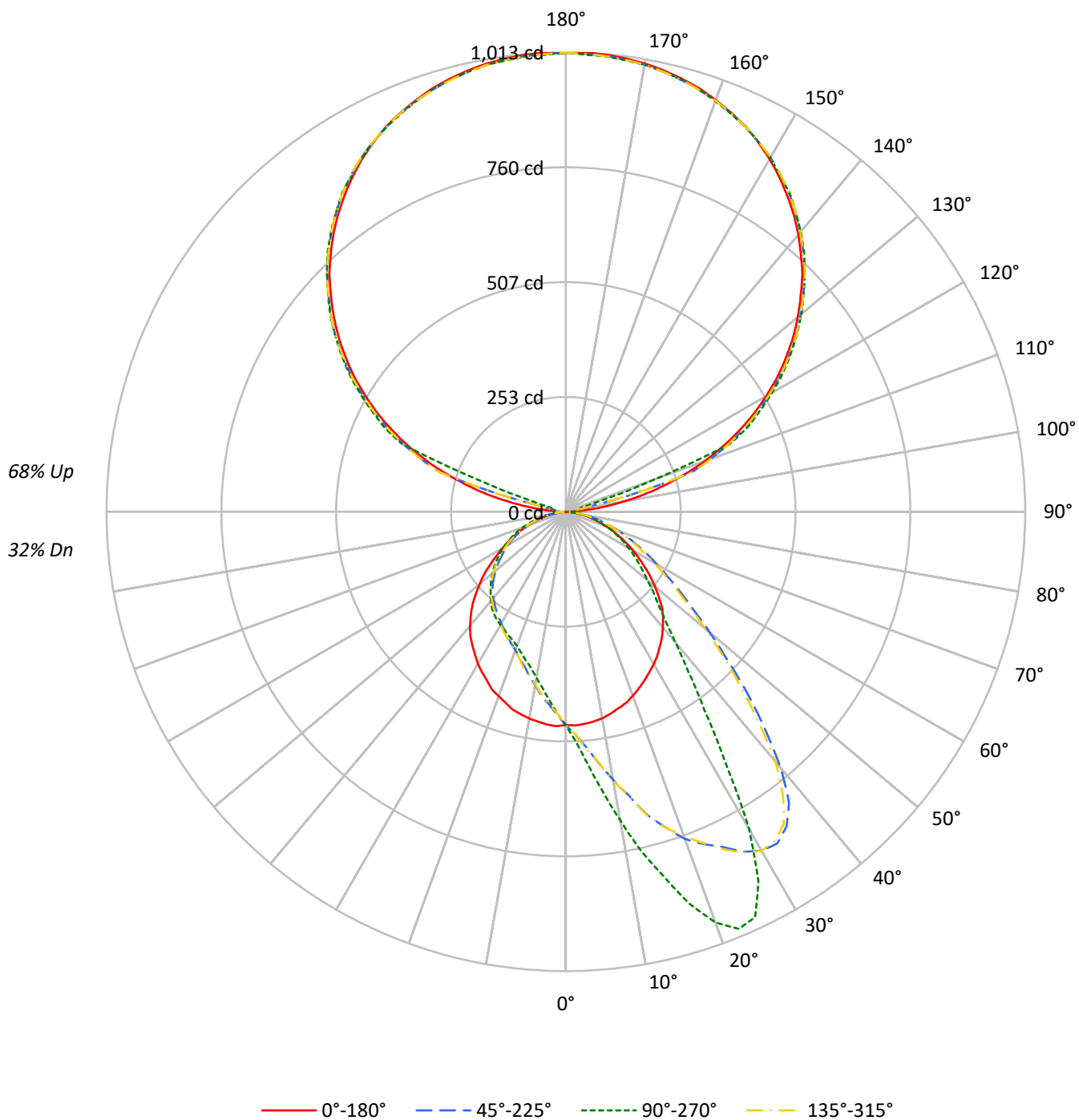
Lumens per Lamp: N/A
Luminaire Lumens: 4506.0 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

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



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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°	5061	5061	5061	5061
5°	5064	5831	5079	4352
10°	5032	7056	5037	3800
15°	4962	8368	5002	3421
20°	4903	9634	4913	3148
25°	4813	9878	4824	3005
30°	4750	8161	4750	2912
35°	4671	5458	4641	2829
40°	4577	3940	4521	2703
45°	4458	3121	4331	2547
50°	4171	2650	4023	2392
55°	3856	2329	3698	2220
60°	3535	2028	3347	2040
65°	3184	1736	3029	1799
70°	2818	1441	2630	1516
75°	2408	1086	2252	1171
80°	1906	726	1754	768
85°	1316	332	1047	304

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 8162 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.2	1.0
10°-20°	148.5	3.3
20°-30°	249.9	5.5
30°-40°	282.4	6.3
40°-50°	252.9	5.6
50°-60°	204.2	4.5
60°-70°	142.3	3.2
70°-80°	74.7	1.7
80°-90°	19.9	0.4
90°-100°	35.7	0.8
100°-110°	172.5	3.8
110°-120°	422.8	9.4
120°-130°	536.7	11.9
130°-140°	573.4	12.7
140°-150°	536.2	11.9
150°-160°	432.5	9.6
160°-170°	279.1	6.2
170°-180°	96.2	2.1
0°-30°	444.6	9.9
0°-40°	727.0	16.1
0°-60°	1184.1	26.3
0°-90°	1421.0	31.5
90°-120°	631.0	14.0
90°-150°	2277.2	50.5
90°-180°	3085.0	68.5
0°-180°	4506.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	470	470	470	470	470	
5°	470	558	471	417	470	45
15°	448	831	452	340	448	127
25°	410	987	411	300	410	189
35°	362	532	359	276	362	226
45°	300	287	292	234	300	230
55°	213	195	204	186	213	191
65°	132	127	125	131	132	131
75°	63	65	59	70	63	68
85°	14	15	11	14	14	16
90°	1	23	1	23	1	4
95°	46	29	46	29	46	55
105°	224	33	224	33	224	238
115°	420	442	420	442	420	415
125°	592	604	592	604	592	529
135°	738	745	738	745	738	568
145°	851	859	851	859	851	533
155°	938	936	938	936	938	432
165°	989	986	989	986	989	279
175°	1012	1008	1012	1008	1012	96
180°	1012	1012	1012	1012	1012	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	471.5	475.2	477.0	479.7	482.5	486.6	487.9	490.2	489.3	491.1	492.0
5°	469.7	476.1	481.5	488.4	494.8	499.3	503.9	511.2	516.6	517.5	521.6
7.5°	466.5	475.6	485.2	494.8	507.1	514.3	522.5	532.6	540.8	554.0	559.0
10°	462.4	475.2	488.8	502.0	518.9	530.3	540.3	557.2	574.0	587.7	600.4
12.5°	456.0	472.0	489.7	509.3	531.2	544.4	558.1	580.4	605.9	626.9	640.5
15°	448.3	468.3	491.1	512.1	536.2	560.8	575.4	600.4	636.9	656.5	691.6
17.5°	441.9	462.4	485.2	518.0	550.8	575.4	585.9	631.9	656.9	689.7	729.4
20°	431.9	457.9	487.0	519.8	562.2	577.2	598.6	645.1	676.1	718.9	767.6
22.5°	421.4	449.2	484.3	518.4	565.8	581.8	610.9	647.8	697.0	739.4	793.2
25°	410.0	440.1	475.6	516.2	562.6	585.9	613.2	658.8	712.1	765.4	815.0
27.5°	398.6	431.4	468.3	508.9	554.0	581.3	608.6	656.0	724.4	782.2	845.5
30°	387.7	420.5	457.4	498.9	546.2	572.7	598.6	657.9	733.9	799.1	862.9
32.5°	375.8	409.6	448.3	482.9	530.7	559.0	588.1	657.9	739.9	809.1	867.4
35°	361.7	396.4	429.6	464.2	511.6	543.0	575.8	653.3	745.3	812.3	848.3
37.5°	348.1	378.6	407.3	441.0	490.7	524.4	562.2	647.8	742.6	798.6	808.6
40°	332.6	363.1	386.3	417.8	470.2	509.3	547.6	640.5	730.7	766.3	737.1
42.5°	317.5	341.7	361.7	392.3	449.2	487.5	528.9	627.3	707.5	714.8	649.2
45°	300.2	317.5	335.3	369.9	426.4	465.6	511.6	608.2	670.2	649.2	566.3
47.5°	277.9	293.4	313.0	344.9	402.3	442.8	486.6	583.6	615.9	572.2	481.5
50°	256.5	269.7	287.9	318.9	376.8	416.4	462.9	544.9	560.8	492.0	415.0
52.5°	235.1	245.1	262.9	293.8	351.7	390.0	432.3	505.2	496.1	422.3	354.0
55°	212.8	221.4	238.3	268.8	322.5	359.0	399.5	456.5	432.8	362.6	308.0
57.5°	190.9	200.0	217.3	242.8	293.4	328.9	361.3	405.9	370.4	314.3	266.1
60°	171.3	179.0	192.3	217.3	263.3	292.0	321.6	352.2	322.5	268.3	231.4
62.5°	150.8	158.1	170.4	193.2	232.8	258.3	282.0	307.1	274.3	234.6	201.8
65°	131.7	137.6	149.0	169.9	202.3	223.2	242.4	259.7	233.3	196.8	172.2
67.5°	114.3	119.4	128.9	147.6	174.9	190.0	205.5	220.0	197.7	168.6	147.6
70°	95.7	99.8	108.4	122.1	144.0	159.5	170.8	181.8	161.7	138.5	124.4
72.5°	79.3	83.4	88.8	103.0	118.0	127.6	139.9	145.8	134.4	115.3	101.1
75°	63.3	66.5	71.5	80.6	94.8	101.1	108.9	113.4	103.0	90.2	81.5
77.5°	49.7	51.0	54.7	61.0	70.6	77.9	83.8	86.6	79.3	71.1	63.8
80°	35.1	36.9	39.6	45.1	52.4	54.7	58.3	61.5	56.9	49.7	45.1
82.5°	23.2	25.5	26.9	29.2	33.7	36.4	37.4	40.1	36.0	33.3	31.4
85°	13.7	14.6	15.0	16.4	18.7	20.0	21.4	21.9	21.0	20.5	18.7
87.5°	6.8	6.8	6.8	7.7	8.2	9.1	9.6	9.6	9.6	9.1	8.7
90°	0.8	2.5	4.1	5.8	7.5	8.3	9.4	11.5	13.7	15.8	18.0
92.5°	17.3	16.3	15.3	14.3	13.3	12.8	13.5	15.0	16.5	18.0	19.5
95°	45.9	39.0	32.2	25.3	18.4	15.0	15.9	17.8	19.6	21.5	23.3
97.5°	83.5	78.8	74.1	69.4	64.7	62.4	58.1	49.6	41.1	32.6	24.1
100°	127.1	130.4	133.8	137.1	140.4	142.1	129.1	103.0	76.9	50.9	24.8
102.5°	176.7	178.9	181.0	183.2	185.3	186.4	171.9	142.8	113.7	84.7	55.6
105°	224.0	225.8	227.7	229.5	231.4	232.3	224.8	209.7	194.7	179.6	164.6
107.5°	274.4	275.9	277.4	278.9	280.4	281.2	282.5	285.0	287.5	290.0	292.5
110°	324.8	326.1	327.5	328.8	330.1	330.8	331.7	333.6	335.4	337.3	339.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	372.9	374.1	375.3	376.4	377.6	378.2	379.1	380.9	382.8	384.6	386.4
115°	420.3	421.3	422.3	423.3	424.3	424.8	425.5	427.0	428.5	430.0	431.5
117.5°	466.9	468.1	469.2	470.4	471.5	472.1	472.5	473.4	474.2	475.1	475.9
120°	509.7	511.2	512.7	514.2	515.7	516.5	516.7	517.2	517.7	518.2	518.7
122.5°	553.3	554.5	555.7	556.8	558.0	558.6	558.9	559.6	560.3	560.9	561.6
125°	592.4	593.7	595.1	596.4	597.7	598.4	598.7	599.4	600.1	600.7	601.4
127.5°	631.5	632.8	634.2	635.5	636.8	637.5	637.9	638.8	639.6	640.5	641.3
130°	667.6	668.9	670.3	671.6	672.9	673.6	673.9	674.6	675.3	675.9	676.6
132.5°	702.2	703.5	704.9	706.2	707.5	708.2	708.5	709.0	709.5	710.0	710.5
135°	737.5	738.5	739.5	740.5	741.5	742.0	742.3	743.0	743.7	744.3	745.0
137.5°	767.6	768.9	770.3	771.6	772.9	773.6	773.8	774.1	774.4	774.8	775.1
140°	797.7	798.7	799.7	800.7	801.7	802.2	802.4	802.9	803.4	803.9	804.4
142.5°	825.5	826.5	827.5	828.5	829.5	830.0	830.3	830.8	831.3	831.8	832.3
145°	851.1	852.3	853.4	854.6	855.7	856.3	856.5	856.8	857.1	857.5	857.8
147.5°	875.9	876.7	877.5	878.4	879.2	879.6	879.8	880.1	880.4	880.8	881.1
150°	898.4	898.9	899.4	899.9	900.4	900.7	900.9	901.2	901.5	901.9	902.2
152.5°	918.7	918.9	919.1	919.2	919.4	919.5	919.6	919.7	919.9	920.0	920.2
155°	937.5	937.2	936.8	936.5	936.2	936.0	936.1	936.3	936.4	936.6	936.8
157.5°	952.5	952.5	952.5	952.5	952.5	952.5	952.4	952.3	952.1	952.0	951.8
160°	966.1	965.9	965.7	965.6	965.4	965.3	965.2	965.1	964.9	964.8	964.6
162.5°	978.9	978.4	977.9	977.4	976.9	976.6	976.5	976.4	976.2	976.1	975.9
165°	988.6	988.1	987.6	987.1	986.6	986.4	986.3	986.1	986.0	985.8	985.6
167.5°	996.9	996.2	995.6	994.9	994.2	993.9	993.9	993.9	993.9	993.9	993.9
170°	1003.7	1003.0	1002.4	1001.7	1001.0	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7
172.5°	1008.2	1007.4	1006.5	1005.7	1004.8	1004.4	1004.5	1004.7	1004.8	1005.0	1005.2
175°	1011.9	1011.1	1010.3	1009.4	1008.6	1008.2	1008.3	1008.4	1008.6	1008.7	1008.9
177.5°	1013.4	1012.6	1011.8	1010.9	1010.1	1009.7	1009.8	1009.9	1010.1	1010.2	1010.4
180°	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	495.2	496.1	499.3	501.6	506.1	505.7	505.7	505.2	503.9	506.1	507.5
5°	529.8	537.6	538.5	548.5	549.0	553.1	555.8	553.5	559.0	558.5	554.4
7.5°	572.7	583.1	588.1	597.7	608.6	605.9	616.4	618.2	617.3	621.9	625.0
10°	619.6	637.8	650.6	668.3	672.9	675.6	682.5	688.4	700.2	691.1	697.0
12.5°	673.3	686.6	703.4	731.7	745.8	754.9	758.1	762.2	770.4	765.4	765.8
15°	718.4	736.2	764.9	800.0	804.1	815.5	812.7	837.3	849.2	831.4	841.4
17.5°	765.4	789.1	823.2	853.7	871.1	878.8	886.1	909.8	908.9	906.1	908.4
20°	795.4	834.2	876.5	917.1	922.1	928.0	947.6	957.6	955.8	963.5	968.6
22.5°	837.8	878.8	923.9	950.8	962.2	969.0	984.5	990.9	993.6	995.4	992.2
25°	873.3	917.1	950.3	974.0	980.9	984.5	989.5	991.3	990.0	986.8	989.5
27.5°	897.5	932.6	955.3	966.3	962.6	956.7	947.1	940.8	926.6	919.8	928.0
30°	907.5	923.0	929.8	911.6	893.4	878.8	860.6	826.9	800.4	808.2	797.7
32.5°	891.6	881.5	848.7	801.8	787.7	764.0	712.5	672.9	674.3	653.3	662.0
35°	844.6	799.1	737.1	666.1	647.4	634.6	578.1	569.5	551.2	531.7	537.1
37.5°	761.7	695.2	620.0	567.6	539.9	512.1	480.2	461.0	450.1	441.9	448.3
40°	660.6	579.5	517.5	470.6	446.9	429.2	407.3	388.2	375.8	374.5	376.8
42.5°	561.3	492.9	436.0	391.3	383.6	362.6	348.5	333.5	329.8	323.9	327.1
45°	475.2	419.6	372.7	336.2	327.1	321.6	304.3	294.8	290.7	287.0	292.5
47.5°	412.8	354.4	320.3	298.4	289.3	280.2	270.6	264.2	261.0	261.5	261.0
50°	352.6	309.8	279.7	262.9	257.4	251.0	243.3	239.2	237.8	233.7	236.9
52.5°	303.4	272.4	251.5	235.5	231.4	226.9	220.5	218.2	215.0	214.1	214.1
55°	263.8	239.6	222.8	212.3	207.3	203.6	200.0	197.3	195.0	195.0	195.0
57.5°	232.8	211.8	199.5	190.4	188.6	185.0	180.9	180.9	177.7	177.2	178.6
60°	206.4	187.7	178.1	170.4	167.7	166.7	162.6	162.6	161.7	159.5	161.3
62.5°	179.5	165.8	157.6	151.7	149.0	149.0	145.8	143.5	143.5	144.0	143.1
65°	154.9	144.9	137.6	133.0	131.7	129.8	129.4	127.6	126.2	126.6	126.2
67.5°	133.0	125.3	120.3	116.6	114.3	113.4	112.1	112.1	111.2	111.6	109.3
70°	113.4	105.7	101.6	97.9	97.0	97.0	95.2	95.7	94.8	96.1	95.2
72.5°	93.4	87.5	84.3	82.9	82.0	81.5	80.6	79.7	79.3	80.2	79.7
75°	75.6	70.6	68.3	67.4	66.5	66.5	66.1	65.6	65.1	65.1	65.1
77.5°	58.8	55.6	52.8	53.8	52.4	52.8	51.5	51.5	51.9	51.5	51.5
80°	43.3	41.0	41.0	40.1	38.3	39.2	39.2	37.8	37.4	38.3	36.9
82.5°	28.7	28.2	27.3	26.9	26.0	26.4	26.0	25.5	25.1	26.0	25.1
85°	16.9	16.9	16.4	15.5	16.4	15.9	15.5	15.5	15.0	15.0	15.0
87.5°	8.7	7.7	7.7	7.3	7.7	6.8	7.3	6.8	6.4	6.8	6.4
90°	18.7	19.4	20.1	20.8	21.1	21.3	21.6	21.9	22.3	22.6	22.3
92.5°	20.7	21.9	23.0	24.2	24.8	24.9	25.1	25.2	25.4	25.6	25.4
95°	24.5	25.7	26.8	28.0	28.6	28.6	28.6	28.6	28.6	28.6	28.6
97.5°	25.4	26.8	28.1	29.4	30.1	30.2	30.3	30.5	30.6	30.8	30.6
100°	26.1	27.5	28.8	30.1	30.8	30.9	31.1	31.2	31.4	31.6	31.4
102.5°	50.1	44.6	39.1	33.6	30.8	31.0	31.3	31.6	32.0	32.3	32.0
105°	135.0	105.5	75.9	46.4	31.6	31.8	32.1	32.4	32.8	33.1	32.8
107.5°	266.8	241.0	215.3	189.6	176.7	165.8	143.9	122.0	100.1	78.2	100.1
110°	333.6	328.1	322.6	317.1	314.3	302.3	278.4	254.5	230.6	206.7	230.6

TEST NUMBER: P1031678

CATALOG NUMBER: S123DIW-B340D755UB35-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	387.9	389.4	390.9	392.4	393.2	393.0	392.7	392.4	392.0	391.7	392.0
115°	433.2	434.9	436.6	438.3	439.1	439.4	440.1	440.8	441.4	442.1	441.4
117.5°	477.2	478.6	479.9	481.2	481.9	482.0	482.2	482.3	482.5	482.7	482.5
120°	520.1	521.4	522.8	524.1	524.8	524.8	524.8	524.8	524.8	524.8	524.8
122.5°	562.4	563.3	564.1	565.0	565.4	565.5	565.6	565.8	565.9	566.1	565.9
125°	601.8	602.1	602.5	602.8	603.0	603.2	603.5	603.8	604.2	604.5	604.2
127.5°	641.8	642.3	642.8	643.3	643.6	643.4	643.1	642.7	642.4	642.0	642.4
130°	677.3	677.9	678.6	679.3	679.6	679.4	679.1	678.8	678.4	678.1	678.4
132.5°	711.2	711.8	712.5	713.2	713.5	713.2	712.7	712.2	711.7	711.2	711.7
135°	745.5	746.0	746.5	747.0	747.3	747.0	746.5	746.0	745.5	745.0	745.5
137.5°	775.9	776.8	777.6	778.5	778.9	778.7	778.4	778.1	777.7	777.4	777.7
140°	805.1	805.7	806.4	807.1	807.4	807.2	806.9	806.6	806.2	805.9	806.2
142.5°	832.8	833.3	833.8	834.3	834.5	834.3	833.8	833.3	832.8	832.3	832.8
145°	858.1	858.5	858.8	859.1	859.3	859.3	859.3	859.3	859.3	859.3	859.3
147.5°	881.4	881.8	882.1	882.4	882.6	882.2	881.4	880.5	879.7	878.9	879.7
150°	902.5	902.9	903.2	903.5	903.7	903.4	902.9	902.4	901.9	901.4	901.9
152.5°	920.9	921.5	922.2	922.9	923.2	922.8	922.0	921.1	920.3	919.5	920.3
155°	937.6	938.4	939.3	940.1	940.5	940.0	939.0	938.0	937.0	936.0	937.0
157.5°	952.8	953.8	954.8	955.8	956.3	955.6	954.3	953.0	951.6	950.3	951.6
160°	965.6	966.6	967.6	968.6	969.1	968.5	967.3	966.2	965.0	963.8	965.0
162.5°	977.1	978.2	979.4	980.5	981.1	980.6	979.6	978.6	977.6	976.6	977.6
165°	986.9	988.3	989.6	990.9	991.6	991.0	989.9	988.7	987.6	986.4	987.6
167.5°	995.2	996.6	997.9	999.2	999.9	999.2	997.9	996.6	995.2	993.9	995.2
170°	1002.0	1003.4	1004.7	1006.0	1006.7	1006.0	1004.7	1003.4	1002.0	1000.7	1002.0
172.5°	1006.5	1007.9	1009.2	1010.5	1011.2	1010.4	1008.9	1007.4	1005.9	1004.4	1005.9
175°	1010.1	1011.3	1012.4	1013.6	1014.2	1013.5	1012.2	1010.9	1009.5	1008.2	1009.5
177.5°	1011.7	1013.1	1014.4	1015.7	1016.4	1015.6	1013.9	1012.2	1010.6	1008.9	1010.6
180°	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9

TEST NUMBER: P1031678

CATALOG NUMBER: S123DIW-B340D755UB35-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	503.9	505.2	501.6	500.7	500.7	502.5	501.1	488.8	491.1	488.4	487.5
5°	559.4	556.7	553.1	551.2	549.0	542.6	542.1	528.0	525.3	516.2	512.1
7.5°	620.5	618.2	607.3	605.9	605.0	599.1	584.0	569.0	558.1	547.6	537.6
10°	690.2	683.4	678.4	668.3	663.3	655.1	635.5	621.4	602.7	586.8	565.8
12.5°	774.0	766.3	749.4	742.1	735.8	713.0	693.4	677.4	641.0	630.1	604.1
15°	835.5	819.1	817.3	801.4	800.4	775.4	738.0	720.7	692.5	652.4	625.5
17.5°	902.0	887.5	876.1	856.9	854.2	830.5	803.2	760.8	729.8	691.6	657.4
20°	950.8	943.0	923.5	915.7	899.8	879.7	851.5	799.1	761.3	723.0	681.1
22.5°	989.5	981.8	966.3	955.8	946.7	920.7	887.0	842.4	790.4	740.3	697.0
25°	989.1	986.8	980.4	975.4	968.6	949.4	921.2	878.3	820.5	765.4	705.2
27.5°	933.0	939.4	950.3	955.8	954.4	951.7	935.8	899.8	847.8	782.2	714.8
30°	816.4	839.6	860.1	887.5	895.7	915.7	924.8	904.3	862.9	801.8	727.1
32.5°	677.0	710.7	755.3	770.4	796.3	835.1	878.3	886.1	860.1	813.2	734.8
35°	555.3	583.1	617.8	641.5	664.7	727.6	782.2	829.6	838.3	807.3	733.0
37.5°	459.7	479.3	509.8	529.8	551.2	605.0	681.5	743.0	786.3	787.2	728.0
40°	390.4	399.1	425.5	440.1	460.6	507.1	575.4	655.6	718.9	748.1	714.8
42.5°	330.7	342.1	364.0	374.9	388.2	428.7	473.8	549.9	628.2	690.7	690.2
45°	295.2	303.4	313.4	322.5	337.6	361.7	413.2	470.2	545.3	615.9	643.7
47.5°	263.8	271.5	281.5	284.3	294.3	317.1	348.5	398.2	468.3	538.5	590.9
50°	237.4	243.7	250.6	255.6	260.1	278.8	302.5	344.4	400.5	468.3	533.5
52.5°	216.9	221.4	227.3	230.1	234.2	247.8	266.1	297.0	343.0	405.0	468.3
55°	197.7	200.9	204.6	209.1	210.9	221.0	235.1	261.5	295.7	351.2	411.4
57.5°	180.0	181.3	183.6	186.3	188.6	197.3	209.6	227.3	257.4	300.2	357.2
60°	159.9	163.6	164.9	167.7	169.0	175.9	185.4	200.5	223.7	260.6	303.4
62.5°	143.1	145.3	147.6	149.0	152.2	154.4	162.2	175.9	195.0	222.3	261.0
65°	128.0	128.9	130.3	131.7	132.6	135.3	142.6	151.7	166.3	190.4	220.5
67.5°	110.7	111.6	113.4	113.9	114.8	118.4	122.5	130.3	142.6	160.8	185.4
70°	93.8	95.2	96.1	97.0	98.4	99.8	104.3	110.7	120.3	133.0	152.2
72.5°	79.3	80.6	80.6	81.5	81.1	82.9	87.5	92.0	98.4	108.9	125.7
75°	64.7	64.7	65.6	66.1	66.5	68.3	70.2	73.8	78.8	87.0	97.5
77.5°	51.0	50.6	51.5	51.5	51.5	52.8	54.7	56.5	59.7	65.6	73.8
80°	37.4	37.4	38.3	38.7	37.8	38.3	39.2	41.0	43.3	47.4	51.9
82.5°	24.6	26.4	26.0	26.4	26.0	26.9	27.3	27.8	28.7	30.5	33.7
85°	15.0	15.0	15.0	15.5	15.0	15.5	15.5	15.5	15.9	16.9	18.2
87.5°	6.4	6.4	6.4	6.8	6.4	6.4	6.8	6.4	6.8	6.8	7.3
90°	21.9	21.6	21.3	21.1	20.8	20.1	19.4	18.7	18.0	15.8	13.7
92.5°	25.2	25.1	24.9	24.8	24.2	23.0	21.9	20.7	19.5	18.0	16.5
95°	28.6	28.6	28.6	28.6	28.0	26.8	25.7	24.5	23.3	21.5	19.6
97.5°	30.5	30.3	30.2	30.1	29.4	28.1	26.8	25.4	24.1	32.6	41.1
100°	31.2	31.1	30.9	30.8	30.1	28.8	27.5	26.1	24.8	50.9	76.9
102.5°	31.6	31.3	31.0	30.8	33.6	39.1	44.6	50.1	55.6	84.7	113.7
105°	32.4	32.1	31.8	31.6	46.4	75.9	105.5	135.0	164.6	179.6	194.7
107.5°	122.0	143.9	165.8	176.7	189.6	215.3	241.0	266.8	292.5	290.0	287.5
110°	254.5	278.4	302.3	314.3	317.1	322.6	328.1	333.6	339.1	337.3	335.4

TEST NUMBER: P1031678

CATALOG NUMBER: S123DIW-B340D755UB35-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	392.4	392.7	393.0	393.2	392.4	390.9	389.4	387.9	386.4	384.6	382.8
115°	440.8	440.1	439.4	439.1	438.3	436.6	434.9	433.2	431.5	430.0	428.5
117.5°	482.3	482.2	482.0	481.9	481.2	479.9	478.6	477.2	475.9	475.1	474.2
120°	524.8	524.8	524.8	524.8	524.1	522.8	521.4	520.1	518.7	518.2	517.7
122.5°	565.8	565.6	565.5	565.4	565.0	564.1	563.3	562.4	561.6	560.9	560.3
125°	603.8	603.5	603.2	603.0	602.8	602.5	602.1	601.8	601.4	600.7	600.1
127.5°	642.7	643.1	643.4	643.6	643.3	642.8	642.3	641.8	641.3	640.5	639.6
130°	678.8	679.1	679.4	679.6	679.3	678.6	677.9	677.3	676.6	675.9	675.3
132.5°	712.2	712.7	713.2	713.5	713.2	712.5	711.8	711.2	710.5	710.0	709.5
135°	746.0	746.5	747.0	747.3	747.0	746.5	746.0	745.5	745.0	744.3	743.7
137.5°	778.1	778.4	778.7	778.9	778.5	777.6	776.8	775.9	775.1	774.8	774.4
140°	806.6	806.9	807.2	807.4	807.1	806.4	805.7	805.1	804.4	803.9	803.4
142.5°	833.3	833.8	834.3	834.5	834.3	833.8	833.3	832.8	832.3	831.8	831.3
145°	859.3	859.3	859.3	859.3	859.1	858.8	858.5	858.1	857.8	857.5	857.1
147.5°	880.5	881.4	882.2	882.6	882.4	882.1	881.8	881.4	881.1	880.8	880.4
150°	902.4	902.9	903.4	903.7	903.5	903.2	902.9	902.5	902.2	901.9	901.5
152.5°	921.1	922.0	922.8	923.2	922.9	922.2	921.5	920.9	920.2	920.0	919.9
155°	938.0	939.0	940.0	940.5	940.1	939.3	938.4	937.6	936.8	936.6	936.4
157.5°	953.0	954.3	955.6	956.3	955.8	954.8	953.8	952.8	951.8	952.0	952.1
160°	966.2	967.3	968.5	969.1	968.6	967.6	966.6	965.6	964.6	964.8	964.9
162.5°	978.6	979.6	980.6	981.1	980.5	979.4	978.2	977.1	975.9	976.1	976.2
165°	988.7	989.9	991.0	991.6	990.9	989.6	988.3	986.9	985.6	985.8	986.0
167.5°	996.6	997.9	999.2	999.9	999.2	997.9	996.6	995.2	993.9	993.9	993.9
170°	1003.4	1004.7	1006.0	1006.7	1006.0	1004.7	1003.4	1002.0	1000.7	1000.7	1000.7
172.5°	1007.4	1008.9	1010.4	1011.2	1010.5	1009.2	1007.9	1006.5	1005.2	1005.0	1004.8
175°	1010.9	1012.2	1013.5	1014.2	1013.6	1012.4	1011.3	1010.1	1008.9	1008.7	1008.6
177.5°	1012.2	1013.9	1015.6	1016.4	1015.7	1014.4	1013.1	1011.7	1010.4	1010.2	1010.1
180°	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9

TEST NUMBER: P1031678

CATALOG NUMBER: S123DIW-B340D755UB35-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	482.9	481.5	481.5	480.6	477.9	472.9	472.4	473.3	470.6	467.9	463.8
5°	506.6	497.9	495.2	492.5	487.0	477.9	474.3	471.1	466.1	460.1	453.8
7.5°	526.6	514.3	510.7	505.7	494.8	482.0	473.8	467.0	460.1	451.9	444.2
10°	551.7	533.9	525.3	518.0	503.0	485.2	472.9	462.9	451.9	441.9	431.9
12.5°	579.9	551.2	548.5	530.7	513.4	487.0	472.0	457.4	442.8	430.5	420.0
15°	603.6	572.2	560.8	549.0	515.7	482.9	468.3	451.9	435.1	421.9	406.4
17.5°	618.7	592.7	568.6	552.6	518.0	488.8	460.6	441.9	424.1	405.9	393.2
20°	636.9	599.1	578.1	556.7	522.5	484.3	456.0	432.8	410.9	394.5	379.0
22.5°	655.1	604.1	586.8	563.5	523.5	479.7	447.8	424.6	399.5	383.1	366.3
25°	653.3	611.4	582.7	563.1	514.3	475.6	438.3	410.9	387.7	366.7	349.9
27.5°	654.7	603.2	574.0	551.2	508.0	469.7	428.2	399.5	375.4	353.5	335.8
30°	655.1	590.9	565.4	538.0	496.1	455.6	416.9	387.7	362.2	338.5	322.5
32.5°	653.8	580.9	549.0	524.4	477.4	441.9	403.6	372.7	346.7	324.8	309.8
35°	650.6	569.0	532.1	501.1	458.3	422.3	391.3	359.4	331.7	311.6	294.3
37.5°	641.9	556.3	514.3	483.8	436.0	399.5	372.2	345.8	318.9	295.2	280.6
40°	635.5	538.9	496.6	463.3	411.8	376.3	353.5	328.5	302.0	280.6	266.5
42.5°	620.9	522.5	478.4	438.7	388.2	351.7	330.3	310.2	287.5	266.5	253.8
45°	597.3	504.8	456.0	415.9	362.2	327.6	308.0	291.6	271.5	251.5	238.7
47.5°	564.0	479.3	432.3	392.3	336.7	301.6	282.0	269.7	253.8	236.9	226.0
50°	528.0	451.5	408.2	368.6	312.1	277.9	258.8	247.4	236.9	221.4	210.9
52.5°	481.1	421.9	380.4	342.6	285.6	252.8	236.0	227.8	216.9	205.9	196.8
55°	435.5	383.6	349.4	313.4	259.7	229.2	212.8	204.1	197.7	188.6	181.3
57.5°	382.7	348.1	316.6	283.8	235.5	207.7	192.3	181.8	177.7	173.6	166.7
60°	333.9	307.5	282.0	254.7	210.5	185.4	170.4	162.2	158.1	155.4	150.8
62.5°	289.3	268.8	246.9	225.1	185.0	162.2	150.8	142.6	139.0	138.5	134.4
65°	246.5	231.9	214.1	192.7	161.3	141.2	130.3	125.3	121.2	121.2	118.0
67.5°	203.6	193.6	179.5	164.5	139.9	121.2	111.2	106.6	104.3	104.3	102.0
70°	169.5	162.6	149.9	136.7	115.3	101.1	93.4	89.3	87.9	88.4	86.6
72.5°	137.6	130.3	119.8	110.2	94.3	83.8	78.4	73.8	71.5	72.0	71.5
75°	106.6	103.0	93.8	86.6	73.8	66.5	61.5	59.2	57.4	57.9	56.9
77.5°	80.2	74.7	69.7	64.7	56.9	51.0	46.9	44.6	43.3	43.3	43.3
80°	54.7	53.8	49.7	46.9	40.5	36.0	32.8	32.3	31.0	31.0	31.0
82.5°	35.5	33.3	31.0	29.2	25.5	22.8	21.4	20.5	20.0	19.6	20.5
85°	19.6	18.2	17.3	15.5	14.1	12.8	11.4	10.9	10.5	10.9	10.5
87.5°	7.7	6.4	6.4	5.9	5.5	5.0	5.0	4.1	4.1	3.6	3.6
90°	11.5	9.4	8.3	7.5	5.8	4.1	2.5	0.8	2.5	4.1	5.8
92.5°	15.0	13.5	12.8	13.3	14.3	15.3	16.3	17.3	16.3	15.3	14.3
95°	17.8	15.9	15.0	18.4	25.3	32.2	39.0	45.9	39.0	32.2	25.3
97.5°	49.6	58.1	62.4	64.7	69.4	74.1	78.8	83.5	78.8	74.1	69.4
100°	103.0	129.1	142.1	140.4	137.1	133.8	130.4	127.1	130.4	133.8	137.1
102.5°	142.8	171.9	186.4	185.3	183.2	181.0	178.9	176.7	178.9	181.0	183.2
105°	209.7	224.8	232.3	231.4	229.5	227.7	225.8	224.0	225.8	227.7	229.5
107.5°	285.0	282.5	281.2	280.4	278.9	277.4	275.9	274.4	275.9	277.4	278.9
110°	333.6	331.7	330.8	330.1	328.8	327.5	326.1	324.8	326.1	327.5	328.8

TEST NUMBER: P1031678

CATALOG NUMBER: S123DIW-B340D755UB35-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	380.9	379.1	378.2	377.6	376.4	375.3	374.1	372.9	374.1	375.3	376.4
115°	427.0	425.5	424.8	424.3	423.3	422.3	421.3	420.3	421.3	422.3	423.3
117.5°	473.4	472.5	472.1	471.5	470.4	469.2	468.1	466.9	468.1	469.2	470.4
120°	517.2	516.7	516.5	515.7	514.2	512.7	511.2	509.7	511.2	512.7	514.2
122.5°	559.6	558.9	558.6	558.0	556.8	555.7	554.5	553.3	554.5	555.7	556.8
125°	599.4	598.7	598.4	597.7	596.4	595.1	593.7	592.4	593.7	595.1	596.4
127.5°	638.8	637.9	637.5	636.8	635.5	634.2	632.8	631.5	632.8	634.2	635.5
130°	674.6	673.9	673.6	672.9	671.6	670.3	668.9	667.6	668.9	670.3	671.6
132.5°	709.0	708.5	708.2	707.5	706.2	704.9	703.5	702.2	703.5	704.9	706.2
135°	743.0	742.3	742.0	741.5	740.5	739.5	738.5	737.5	738.5	739.5	740.5
137.5°	774.1	773.8	773.6	772.9	771.6	770.3	768.9	767.6	768.9	770.3	771.6
140°	802.9	802.4	802.2	801.7	800.7	799.7	798.7	797.7	798.7	799.7	800.7
142.5°	830.8	830.3	830.0	829.5	828.5	827.5	826.5	825.5	826.5	827.5	828.5
145°	856.8	856.5	856.3	855.7	854.6	853.4	852.3	851.1	852.3	853.4	854.6
147.5°	880.1	879.8	879.6	879.2	878.4	877.5	876.7	875.9	876.7	877.5	878.4
150°	901.2	900.9	900.7	900.4	899.9	899.4	898.9	898.4	898.9	899.4	899.9
152.5°	919.7	919.6	919.5	919.4	919.2	919.1	918.9	918.7	918.9	919.1	919.2
155°	936.3	936.1	936.0	936.2	936.5	936.8	937.2	937.5	937.2	936.8	936.5
157.5°	952.3	952.4	952.5	952.5	952.5	952.5	952.5	952.5	952.5	952.5	952.5
160°	965.1	965.2	965.3	965.4	965.6	965.7	965.9	966.1	965.9	965.7	965.6
162.5°	976.4	976.5	976.6	976.9	977.4	977.9	978.4	978.9	978.4	977.9	977.4
165°	986.1	986.3	986.4	986.6	987.1	987.6	988.1	988.6	988.1	987.6	987.1
167.5°	993.9	993.9	993.9	994.2	994.9	995.6	996.2	996.9	996.2	995.6	994.9
170°	1000.7	1000.7	1000.7	1001.0	1001.7	1002.4	1003.0	1003.7	1003.0	1002.4	1001.7
172.5°	1004.7	1004.5	1004.4	1004.8	1005.7	1006.5	1007.4	1008.2	1007.4	1006.5	1005.7
175°	1008.4	1008.3	1008.2	1008.6	1009.4	1010.3	1011.1	1011.9	1011.1	1010.3	1009.4
177.5°	1009.9	1009.8	1009.7	1010.1	1010.9	1011.8	1012.6	1013.4	1012.6	1011.8	1010.9
180°	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9

TEST NUMBER: P1031678

CATALOG NUMBER: S123DIW-B340D755UB35-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	462.9	462.4	463.3	460.6	456.0	453.8	447.4	446.0	445.6	446.0	446.5
5°	450.1	449.7	448.3	443.7	438.3	434.2	426.4	426.0	423.2	420.5	421.9
7.5°	437.8	436.0	433.3	427.3	420.0	415.5	409.1	404.6	400.9	398.6	396.8
10°	425.5	422.8	420.0	412.3	403.2	396.4	388.6	385.0	380.9	379.0	377.2
12.5°	409.6	406.8	401.8	392.7	387.2	378.6	370.8	367.2	364.9	361.3	359.0
15°	396.8	391.3	388.6	379.0	367.6	366.7	352.6	351.7	347.1	347.1	343.5
17.5°	382.2	378.1	373.1	363.5	355.3	347.1	339.9	337.1	333.0	332.1	330.3
20°	368.1	362.6	360.8	351.2	342.6	332.6	324.8	322.1	320.3	318.4	319.8
22.5°	353.5	349.0	344.4	335.8	329.4	319.4	314.8	312.1	309.3	308.4	308.9
25°	339.4	335.3	330.7	322.1	315.3	307.1	303.0	301.6	300.2	300.2	299.8
27.5°	325.7	321.6	317.5	309.8	303.0	297.0	293.8	292.5	291.1	292.0	292.9
30°	311.6	308.0	304.3	297.5	292.0	286.6	284.7	283.8	283.4	285.6	285.6
32.5°	298.9	295.7	292.9	286.6	281.1	276.5	275.2	275.6	276.1	277.4	278.4
35°	285.6	283.4	280.6	275.2	270.6	266.5	267.0	267.0	267.9	270.2	272.0
37.5°	273.8	270.6	268.3	263.8	260.1	256.5	257.9	259.2	260.1	262.9	263.8
40°	259.7	258.3	256.5	251.9	248.7	248.3	248.7	249.7	251.5	252.8	254.2
42.5°	248.3	246.5	244.2	240.5	237.8	238.3	238.7	239.6	240.5	242.8	244.2
45°	235.5	234.2	232.3	229.2	226.9	227.3	227.8	227.8	228.7	231.4	232.3
47.5°	221.4	221.9	219.6	216.4	215.0	215.0	215.0	215.9	218.2	219.1	219.6
50°	207.7	206.8	206.4	203.2	202.3	201.8	202.3	202.7	205.9	205.5	206.8
52.5°	193.2	193.2	192.7	190.9	189.5	189.5	188.6	190.9	191.8	192.7	194.1
55°	179.0	177.7	177.2	176.3	174.5	174.0	174.9	177.7	178.6	179.5	180.9
57.5°	163.6	163.6	162.6	161.3	161.3	161.3	161.3	163.1	164.5	165.4	168.1
60°	149.4	147.6	146.2	146.2	146.2	145.8	148.5	148.5	151.3	151.7	152.6
62.5°	132.6	131.7	130.8	131.2	130.8	131.7	132.6	134.4	134.9	136.2	137.6
65°	116.6	116.6	115.7	118.4	116.6	116.6	118.9	118.9	119.8	121.2	123.0
67.5°	101.1	101.6	100.7	100.7	101.6	102.0	102.5	104.3	104.8	106.6	108.9
70°	85.2	86.1	86.6	85.6	86.6	87.5	88.4	88.8	90.7	91.6	92.9
72.5°	71.1	72.0	70.6	71.1	71.5	72.4	72.9	73.8	74.7	77.4	78.4
75°	56.9	56.5	56.0	57.9	56.9	58.8	59.2	59.2	60.1	62.4	63.3
77.5°	43.7	43.7	44.2	43.3	44.6	44.2	44.6	46.0	47.4	47.4	51.0
80°	30.5	31.4	31.4	31.4	31.9	32.3	31.4	33.7	34.2	34.2	35.5
82.5°	19.6	20.0	19.6	20.5	20.5	21.4	21.0	21.4	22.3	23.2	23.7
85°	10.5	10.5	11.4	11.4	10.9	11.4	10.9	11.4	12.3	12.3	12.8
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°	7.5	8.3	9.4	11.5	13.7	15.8	18.0	18.7	19.4	20.1	20.8
92.5°	13.3	12.8	13.5	15.0	16.5	18.0	19.5	20.7	21.9	23.0	24.2
95°	18.4	15.0	15.9	17.8	19.6	21.5	23.3	24.5	25.7	26.8	28.0
97.5°	64.7	62.4	58.1	49.6	41.1	32.6	24.1	25.4	26.8	28.1	29.4
100°	140.4	142.1	129.1	103.0	76.9	50.9	24.8	26.1	27.5	28.8	30.1
102.5°	185.3	186.4	171.9	142.8	113.7	84.7	55.6	50.1	44.6	39.1	33.6
105°	231.4	232.3	224.8	209.7	194.7	179.6	164.6	135.0	105.5	75.9	46.4
107.5°	280.4	281.2	282.5	285.0	287.5	290.0	292.5	266.8	241.0	215.3	189.6
110°	330.1	330.8	331.7	333.6	335.4	337.3	339.1	333.6	328.1	322.6	317.1

TEST NUMBER: P1031678

CATALOG NUMBER: S123DIW-B340D755UB35-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	377.6	378.2	379.1	380.9	382.8	384.6	386.4	387.9	389.4	390.9	392.4
115°	424.3	424.8	425.5	427.0	428.5	430.0	431.5	433.2	434.9	436.6	438.3
117.5°	471.5	472.1	472.5	473.4	474.2	475.1	475.9	477.2	478.6	479.9	481.2
120°	515.7	516.5	516.7	517.2	517.7	518.2	518.7	520.1	521.4	522.8	524.1
122.5°	558.0	558.6	558.9	559.6	560.3	560.9	561.6	562.4	563.3	564.1	565.0
125°	597.7	598.4	598.7	599.4	600.1	600.7	601.4	601.8	602.1	602.5	602.8
127.5°	636.8	637.5	637.9	638.8	639.6	640.5	641.3	641.8	642.3	642.8	643.3
130°	672.9	673.6	673.9	674.6	675.3	675.9	676.6	677.3	677.9	678.6	679.3
132.5°	707.5	708.2	708.5	709.0	709.5	710.0	710.5	711.2	711.8	712.5	713.2
135°	741.5	742.0	742.3	743.0	743.7	744.3	745.0	745.5	746.0	746.5	747.0
137.5°	772.9	773.6	773.8	774.1	774.4	774.8	775.1	775.9	776.8	777.6	778.5
140°	801.7	802.2	802.4	802.9	803.4	803.9	804.4	805.1	805.7	806.4	807.1
142.5°	829.5	830.0	830.3	830.8	831.3	831.8	832.3	832.8	833.3	833.8	834.3
145°	855.7	856.3	856.5	856.8	857.1	857.5	857.8	858.1	858.5	858.8	859.1
147.5°	879.2	879.6	879.8	880.1	880.4	880.8	881.1	881.4	881.8	882.1	882.4
150°	900.4	900.7	900.9	901.2	901.5	901.9	902.2	902.5	902.9	903.2	903.5
152.5°	919.4	919.5	919.6	919.7	919.9	920.0	920.2	920.9	921.5	922.2	922.9
155°	936.2	936.0	936.1	936.3	936.4	936.6	936.8	937.6	938.4	939.3	940.1
157.5°	952.5	952.5	952.4	952.3	952.1	952.0	951.8	952.8	953.8	954.8	955.8
160°	965.4	965.3	965.2	965.1	964.9	964.8	964.6	965.6	966.6	967.6	968.6
162.5°	976.9	976.6	976.5	976.4	976.2	976.1	975.9	977.1	978.2	979.4	980.5
165°	986.6	986.4	986.3	986.1	986.0	985.8	985.6	986.9	988.3	989.6	990.9
167.5°	994.2	993.9	993.9	993.9	993.9	993.9	993.9	995.2	996.6	997.9	999.2
170°	1001.0	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1002.0	1003.4	1004.7	1006.0
172.5°	1004.8	1004.4	1004.5	1004.7	1004.8	1005.0	1005.2	1006.5	1007.9	1009.2	1010.5
175°	1008.6	1008.2	1008.3	1008.4	1008.6	1008.7	1008.9	1010.1	1011.3	1012.4	1013.6
177.5°	1010.1	1009.7	1009.8	1009.9	1010.1	1010.2	1010.4	1011.7	1013.1	1014.4	1015.7
180°	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9

TEST NUMBER: P1031678

CATALOG NUMBER: S123DIW-B340D755UB35-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	446.0	446.5	444.6	443.3	446.9	444.6	444.6	445.1	444.2	445.6	445.1
5°	421.0	421.4	418.2	419.1	417.3	416.9	416.4	419.1	418.7	418.2	419.1
7.5°	396.4	396.4	395.0	394.1	394.1	392.7	394.5	394.1	395.0	395.0	396.4
10°	375.8	376.8	374.5	372.2	371.7	372.2	372.2	372.7	373.1	376.3	375.8
12.5°	359.0	357.6	357.2	355.8	353.5	352.6	351.7	356.7	355.3	355.3	355.3
15°	340.3	343.5	343.0	338.9	338.0	339.9	338.9	338.9	343.5	343.0	342.6
17.5°	330.3	329.4	328.5	326.2	326.6	326.2	326.6	326.6	329.4	329.4	329.4
20°	318.9	317.1	317.1	316.2	316.2	314.8	316.6	317.1	318.9	318.9	319.4
22.5°	308.9	307.5	307.5	307.1	308.0	306.1	308.0	308.4	308.4	309.8	309.8
25°	300.2	299.3	299.3	300.2	300.2	300.2	300.2	302.0	300.7	301.1	300.7
27.5°	292.5	292.9	293.4	293.8	293.4	293.8	294.3	295.2	295.7	295.2	294.3
30°	285.2	286.6	287.0	287.0	287.9	288.4	288.8	288.8	289.3	287.9	288.8
32.5°	279.7	279.7	280.6	281.1	282.0	282.5	282.5	283.4	282.9	281.5	282.0
35°	272.0	272.0	273.8	274.7	276.1	275.6	276.1	276.1	276.5	275.6	274.3
37.5°	264.2	265.1	265.1	267.0	267.4	267.9	267.4	268.3	267.9	267.0	266.5
40°	255.1	254.7	255.1	256.5	256.9	256.9	256.9	257.9	257.9	257.9	257.4
42.5°	243.7	245.1	244.6	246.0	245.6	245.6	246.5	247.4	247.8	246.5	246.9
45°	232.8	232.8	233.7	233.7	234.2	234.2	236.0	235.1	236.0	235.1	235.5
47.5°	221.0	221.4	221.4	221.9	222.8	223.7	222.8	223.2	223.2	223.7	222.8
50°	207.7	207.7	208.7	210.0	211.8	210.9	210.5	212.3	210.9	210.9	210.0
52.5°	194.1	195.4	195.9	197.3	198.6	199.1	199.5	198.6	199.1	197.7	198.2
55°	180.9	181.3	183.1	184.5	185.9	185.9	185.4	185.9	186.3	184.5	184.5
57.5°	167.7	169.0	170.8	170.8	172.7	172.7	172.2	172.2	172.7	171.3	170.8
60°	153.5	154.9	157.2	157.2	159.9	160.4	159.5	158.5	158.5	157.2	157.6
62.5°	138.5	139.9	141.2	143.5	145.3	144.4	146.2	144.4	144.9	142.1	142.1
65°	125.3	125.7	128.0	130.3	130.3	131.2	130.3	130.8	129.4	129.4	127.6
67.5°	109.8	109.8	112.1	114.3	116.6	116.6	116.6	115.3	115.3	113.9	113.9
70°	96.1	95.7	97.9	99.3	100.7	101.1	100.2	99.8	98.9	97.5	97.0
72.5°	79.3	80.2	82.5	83.4	85.6	85.2	87.5	84.7	84.7	82.5	82.0
75°	64.2	65.1	67.4	68.8	70.2	70.2	71.5	70.2	68.3	67.4	67.0
77.5°	51.0	50.6	52.4	54.7	55.1	54.7	55.6	55.1	53.3	53.3	52.4
80°	36.4	37.8	39.6	39.2	41.0	40.5	40.5	39.6	39.6	38.3	39.2
82.5°	24.1	25.5	26.0	25.5	26.0	26.9	27.3	26.9	26.9	26.0	26.4
85°	12.8	12.8	13.7	14.1	13.7	13.7	14.1	15.5	14.6	13.7	14.6
87.5°	4.1	3.6	3.6	4.1	3.6	3.6	4.1	4.1	4.6	4.6	4.6
90°	21.1	21.3	21.6	21.9	22.3	22.6	22.3	21.9	21.6	21.3	21.1
92.5°	24.8	24.9	25.1	25.2	25.4	25.6	25.4	25.2	25.1	24.9	24.8
95°	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
97.5°	30.1	30.2	30.3	30.5	30.6	30.8	30.6	30.5	30.3	30.2	30.1
100°	30.8	30.9	31.1	31.2	31.4	31.6	31.4	31.2	31.1	30.9	30.8
102.5°	30.8	31.0	31.3	31.6	32.0	32.3	32.0	31.6	31.3	31.0	30.8
105°	31.6	31.8	32.1	32.4	32.8	33.1	32.8	32.4	32.1	31.8	31.6
107.5°	176.7	165.8	143.9	122.0	100.1	78.2	100.1	122.0	143.9	165.8	176.7
110°	314.3	302.3	278.4	254.5	230.6	206.7	230.6	254.5	278.4	302.3	314.3

TEST NUMBER: P1031678

CATALOG NUMBER: S123DIW-B340D755UB35-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	393.2	393.0	392.7	392.4	392.0	391.7	392.0	392.4	392.7	393.0	393.2
115°	439.1	439.4	440.1	440.8	441.4	442.1	441.4	440.8	440.1	439.4	439.1
117.5°	481.9	482.0	482.2	482.3	482.5	482.7	482.5	482.3	482.2	482.0	481.9
120°	524.8	524.8	524.8	524.8	524.8	524.8	524.8	524.8	524.8	524.8	524.8
122.5°	565.4	565.5	565.6	565.8	565.9	566.1	565.9	565.8	565.6	565.5	565.4
125°	603.0	603.2	603.5	603.8	604.2	604.5	604.2	603.8	603.5	603.2	603.0
127.5°	643.6	643.4	643.1	642.7	642.4	642.0	642.4	642.7	643.1	643.4	643.6
130°	679.6	679.4	679.1	678.8	678.4	678.1	678.4	678.8	679.1	679.4	679.6
132.5°	713.5	713.2	712.7	712.2	711.7	711.2	711.7	712.2	712.7	713.2	713.5
135°	747.3	747.0	746.5	746.0	745.5	745.0	745.5	746.0	746.5	747.0	747.3
137.5°	778.9	778.7	778.4	778.1	777.7	777.4	777.7	778.1	778.4	778.7	778.9
140°	807.4	807.2	806.9	806.6	806.2	805.9	806.2	806.6	806.9	807.2	807.4
142.5°	834.5	834.3	833.8	833.3	832.8	832.3	832.8	833.3	833.8	834.3	834.5
145°	859.3	859.3	859.3	859.3	859.3	859.3	859.3	859.3	859.3	859.3	859.3
147.5°	882.6	882.2	881.4	880.5	879.7	878.9	879.7	880.5	881.4	882.2	882.6
150°	903.7	903.4	902.9	902.4	901.9	901.4	901.9	902.4	902.9	903.4	903.7
152.5°	923.2	922.8	922.0	921.1	920.3	919.5	920.3	921.1	922.0	922.8	923.2
155°	940.5	940.0	939.0	938.0	937.0	936.0	937.0	938.0	939.0	940.0	940.5
157.5°	956.3	955.6	954.3	953.0	951.6	950.3	951.6	953.0	954.3	955.6	956.3
160°	969.1	968.5	967.3	966.2	965.0	963.8	965.0	966.2	967.3	968.5	969.1
162.5°	981.1	980.6	979.6	978.6	977.6	976.6	977.6	978.6	979.6	980.6	981.1
165°	991.6	991.0	989.9	988.7	987.6	986.4	987.6	988.7	989.9	991.0	991.6
167.5°	999.9	999.2	997.9	996.6	995.2	993.9	995.2	996.6	997.9	999.2	999.9
170°	1006.7	1006.0	1004.7	1003.4	1002.0	1000.7	1002.0	1003.4	1004.7	1006.0	1006.7
172.5°	1011.2	1010.4	1008.9	1007.4	1005.9	1004.4	1005.9	1007.4	1008.9	1010.4	1011.2
175°	1014.2	1013.5	1012.2	1010.9	1009.5	1008.2	1009.5	1010.9	1012.2	1013.5	1014.2
177.5°	1016.4	1015.6	1013.9	1012.2	1010.6	1008.9	1010.6	1012.2	1013.9	1015.6	1016.4
180°	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	446.5	447.4	447.8	446.0	444.6	446.9	450.1	452.4	454.2	456.5	457.9
5°	420.0	423.2	423.2	424.1	425.5	427.8	433.7	437.8	441.5	444.2	446.5
7.5°	397.7	400.0	401.4	403.6	405.9	409.1	415.9	421.9	427.3	430.5	434.2
10°	377.7	379.5	381.8	383.1	387.2	391.8	400.5	405.5	411.8	416.9	421.4
12.5°	358.5	364.9	366.3	365.8	369.5	374.5	383.1	390.9	397.7	402.7	407.7
15°	344.9	347.1	349.9	349.4	357.2	358.5	365.8	374.9	384.1	387.2	391.8
17.5°	329.8	333.5	336.2	337.6	339.9	344.9	351.7	358.5	370.4	370.8	382.7
20°	318.0	321.6	323.5	325.3	326.6	332.6	338.5	346.2	355.8	360.8	367.2
22.5°	310.2	312.1	313.4	314.8	316.6	319.8	327.1	335.8	342.1	347.6	351.7
25°	301.1	303.0	304.8	305.7	307.1	308.9	314.3	321.2	330.3	333.9	338.0
27.5°	294.8	294.8	295.7	295.7	297.5	299.3	303.4	309.8	317.1	321.6	327.1
30°	287.9	287.5	287.9	287.5	287.0	289.7	293.4	298.9	303.9	309.3	313.0
32.5°	281.1	280.6	280.6	281.1	279.3	280.6	282.5	287.5	292.9	295.7	299.8
35°	273.8	272.9	272.9	272.9	272.0	271.1	272.9	277.4	281.1	284.7	287.9
37.5°	266.5	265.1	265.1	264.2	263.3	262.0	262.0	265.6	270.6	272.0	276.1
40°	256.5	256.5	255.6	255.1	254.2	253.3	251.9	255.1	259.7	261.0	264.2
42.5°	246.5	245.1	244.6	244.6	244.6	243.3	242.4	244.6	247.4	249.7	251.5
45°	235.1	234.2	234.6	234.2	233.3	232.8	232.3	233.3	236.4	237.4	239.6
47.5°	222.8	222.3	222.3	221.9	221.4	221.9	220.0	222.3	223.2	224.1	226.0
50°	210.0	209.6	209.1	208.7	208.7	209.1	208.7	208.7	210.5	211.4	213.2
52.5°	197.3	195.9	195.9	195.4	195.4	194.5	195.4	195.9	196.8	197.7	198.6
55°	183.6	183.6	182.2	182.2	181.3	181.3	181.8	181.3	183.1	184.1	184.1
57.5°	170.4	168.6	169.0	168.1	167.2	166.7	166.7	167.7	168.6	168.6	169.5
60°	156.3	154.4	154.0	152.2	153.1	151.7	152.2	152.2	154.0	153.1	154.0
62.5°	142.1	139.9	138.5	137.6	137.6	138.0	137.1	136.7	137.6	138.5	140.3
65°	127.1	125.7	124.4	123.0	123.0	122.5	123.5	122.1	121.6	122.1	123.0
67.5°	111.6	110.2	108.9	107.5	108.0	106.6	105.7	107.1	106.1	106.6	107.5
70°	96.6	95.7	92.9	92.0	91.6	92.0	91.6	90.7	92.0	91.6	92.0
72.5°	81.5	80.6	79.3	77.0	77.0	76.5	76.1	76.1	75.6	75.6	75.6
75°	67.0	65.1	63.8	63.3	62.4	62.0	61.5	60.6	61.0	61.5	60.6
77.5°	51.9	49.7	49.2	49.2	47.8	47.8	48.3	47.8	47.4	47.4	47.4
80°	38.3	36.4	36.4	35.5	34.6	34.6	34.6	34.6	34.2	33.7	34.2
82.5°	24.6	24.1	23.7	23.7	24.6	22.8	23.7	23.2	22.8	22.8	22.3
85°	13.7	14.1	13.7	14.1	13.2	13.7	13.7	13.7	13.2	13.7	12.8
87.5°	5.0	5.0	5.0	5.5	5.5	5.5	5.5	5.5	5.9	5.5	5.5
90°	20.8	20.1	19.4	18.7	18.0	15.8	13.7	11.5	9.4	8.3	7.5
92.5°	24.2	23.0	21.9	20.7	19.5	18.0	16.5	15.0	13.5	12.8	13.3
95°	28.0	26.8	25.7	24.5	23.3	21.5	19.6	17.8	15.9	15.0	18.4
97.5°	29.4	28.1	26.8	25.4	24.1	32.6	41.1	49.6	58.1	62.4	64.7
100°	30.1	28.8	27.5	26.1	24.8	50.9	76.9	103.0	129.1	142.1	140.4
102.5°	33.6	39.1	44.6	50.1	55.6	84.7	113.7	142.8	171.9	186.4	185.3
105°	46.4	75.9	105.5	135.0	164.6	179.6	194.7	209.7	224.8	232.3	231.4
107.5°	189.6	215.3	241.0	266.8	292.5	290.0	287.5	285.0	282.5	281.2	280.4
110°	317.1	322.6	328.1	333.6	339.1	337.3	335.4	333.6	331.7	330.8	330.1

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	392.4	390.9	389.4	387.9	386.4	384.6	382.8	380.9	379.1	378.2	377.6
115°	438.3	436.6	434.9	433.2	431.5	430.0	428.5	427.0	425.5	424.8	424.3
117.5°	481.2	479.9	478.6	477.2	475.9	475.1	474.2	473.4	472.5	472.1	471.5
120°	524.1	522.8	521.4	520.1	518.7	518.2	517.7	517.2	516.7	516.5	515.7
122.5°	565.0	564.1	563.3	562.4	561.6	560.9	560.3	559.6	558.9	558.6	558.0
125°	602.8	602.5	602.1	601.8	601.4	600.7	600.1	599.4	598.7	598.4	597.7
127.5°	643.3	642.8	642.3	641.8	641.3	640.5	639.6	638.8	637.9	637.5	636.8
130°	679.3	678.6	677.9	677.3	676.6	675.9	675.3	674.6	673.9	673.6	672.9
132.5°	713.2	712.5	711.8	711.2	710.5	710.0	709.5	709.0	708.5	708.2	707.5
135°	747.0	746.5	746.0	745.5	745.0	744.3	743.7	743.0	742.3	742.0	741.5
137.5°	778.5	777.6	776.8	775.9	775.1	774.8	774.4	774.1	773.8	773.6	772.9
140°	807.1	806.4	805.7	805.1	804.4	803.9	803.4	802.9	802.4	802.2	801.7
142.5°	834.3	833.8	833.3	832.8	832.3	831.8	831.3	830.8	830.3	830.0	829.5
145°	859.1	858.8	858.5	858.1	857.8	857.5	857.1	856.8	856.5	856.3	855.7
147.5°	882.4	882.1	881.8	881.4	881.1	880.8	880.4	880.1	879.8	879.6	879.2
150°	903.5	903.2	902.9	902.5	902.2	901.9	901.5	901.2	900.9	900.7	900.4
152.5°	922.9	922.2	921.5	920.9	920.2	920.0	919.9	919.7	919.6	919.5	919.4
155°	940.1	939.3	938.4	937.6	936.8	936.6	936.4	936.3	936.1	936.0	936.2
157.5°	955.8	954.8	953.8	952.8	951.8	952.0	952.1	952.3	952.4	952.5	952.5
160°	968.6	967.6	966.6	965.6	964.6	964.8	964.9	965.1	965.2	965.3	965.4
162.5°	980.5	979.4	978.2	977.1	975.9	976.1	976.2	976.4	976.5	976.6	976.9
165°	990.9	989.6	988.3	986.9	985.6	985.8	986.0	986.1	986.3	986.4	986.6
167.5°	999.2	997.9	996.6	995.2	993.9	993.9	993.9	993.9	993.9	993.9	994.2
170°	1006.0	1004.7	1003.4	1002.0	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1001.0
172.5°	1010.5	1009.2	1007.9	1006.5	1005.2	1005.0	1004.8	1004.7	1004.5	1004.4	1004.8
175°	1013.6	1012.4	1011.3	1010.1	1008.9	1008.7	1008.6	1008.4	1008.3	1008.2	1008.6
177.5°	1015.7	1014.4	1013.1	1011.7	1010.4	1010.2	1010.1	1009.9	1009.8	1009.7	1010.1
180°	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9

TEST NUMBER: P1031678

CATALOG NUMBER: S123DIW-B340D755UB35-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	470.2	470.2	470.2	470.2
2.5°	460.1	461.5	466.1	471.5
5°	451.0	454.7	461.0	469.7
7.5°	441.0	446.5	455.6	466.5
10°	429.6	437.4	448.7	462.4
12.5°	417.3	427.3	441.9	456.0
15°	409.6	419.6	432.8	448.3
17.5°	394.5	406.4	420.0	441.9
20°	379.0	392.3	410.0	431.9
22.5°	367.2	381.3	398.2	421.4
25°	353.1	367.6	385.9	410.0
27.5°	338.0	352.6	373.1	398.6
30°	326.6	340.8	360.4	387.7
32.5°	313.0	326.6	347.1	375.8
35°	297.5	313.0	332.6	361.7
37.5°	285.6	299.8	320.3	348.1
40°	272.9	285.2	305.2	332.6
42.5°	259.2	272.9	290.2	317.5
45°	246.5	256.5	274.3	300.2
47.5°	232.8	244.2	257.9	277.9
50°	218.2	227.8	242.8	256.5
52.5°	204.1	211.8	224.6	235.1
55°	189.1	196.8	206.4	212.8
57.5°	174.9	180.4	186.8	190.9
60°	157.6	163.1	167.2	171.3
62.5°	142.1	146.2	148.5	150.8
65°	126.2	128.5	129.8	131.7
67.5°	108.9	111.2	111.6	114.3
70°	92.9	93.4	94.3	95.7
72.5°	77.9	78.8	78.4	79.3
75°	62.4	63.3	62.4	63.3
77.5°	47.4	48.3	48.3	49.7
80°	34.2	34.6	35.1	35.1
82.5°	22.3	23.7	22.8	23.2
85°	12.8	13.2	13.2	13.7
87.5°	5.9	6.4	5.9	6.8
90°	5.8	4.1	2.5	0.8
92.5°	14.3	15.3	16.3	17.3
95°	25.3	32.2	39.0	45.9
97.5°	69.4	74.1	78.8	83.5
100°	137.1	133.8	130.4	127.1
102.5°	183.2	181.0	178.9	176.7
105°	229.5	227.7	225.8	224.0
107.5°	278.9	277.4	275.9	274.4
110°	328.8	327.5	326.1	324.8

TEST NUMBER: P1031678

CATALOG NUMBER: S123DIW-B340D755UB35-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	376.4	375.3	374.1	372.9
115°	423.3	422.3	421.3	420.3
117.5°	470.4	469.2	468.1	466.9
120°	514.2	512.7	511.2	509.7
122.5°	556.8	555.7	554.5	553.3
125°	596.4	595.1	593.7	592.4
127.5°	635.5	634.2	632.8	631.5
130°	671.6	670.3	668.9	667.6
132.5°	706.2	704.9	703.5	702.2
135°	740.5	739.5	738.5	737.5
137.5°	771.6	770.3	768.9	767.6
140°	800.7	799.7	798.7	797.7
142.5°	828.5	827.5	826.5	825.5
145°	854.6	853.4	852.3	851.1
147.5°	878.4	877.5	876.7	875.9
150°	899.9	899.4	898.9	898.4
152.5°	919.2	919.1	918.9	918.7
155°	936.5	936.8	937.2	937.5
157.5°	952.5	952.5	952.5	952.5
160°	965.6	965.7	965.9	966.1
162.5°	977.4	977.9	978.4	978.9
165°	987.1	987.6	988.1	988.6
167.5°	994.9	995.6	996.2	996.9
170°	1001.7	1002.4	1003.0	1003.7
172.5°	1005.7	1006.5	1007.4	1008.2
175°	1009.4	1010.3	1011.1	1011.9
177.5°	1010.9	1011.8	1012.6	1013.4
180°	1011.9	1011.9	1011.9	1011.9

(END OF REPORT)