

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: P1011607

Luminaire Tested: S123DIP-B340D585UB35-4F0-XX-W2A-A

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1011607
REPORT IS A COMBINATION OF REPORTS P989832 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B340D585UB35-4F0-XX-W2A-A
Description: Define 3 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

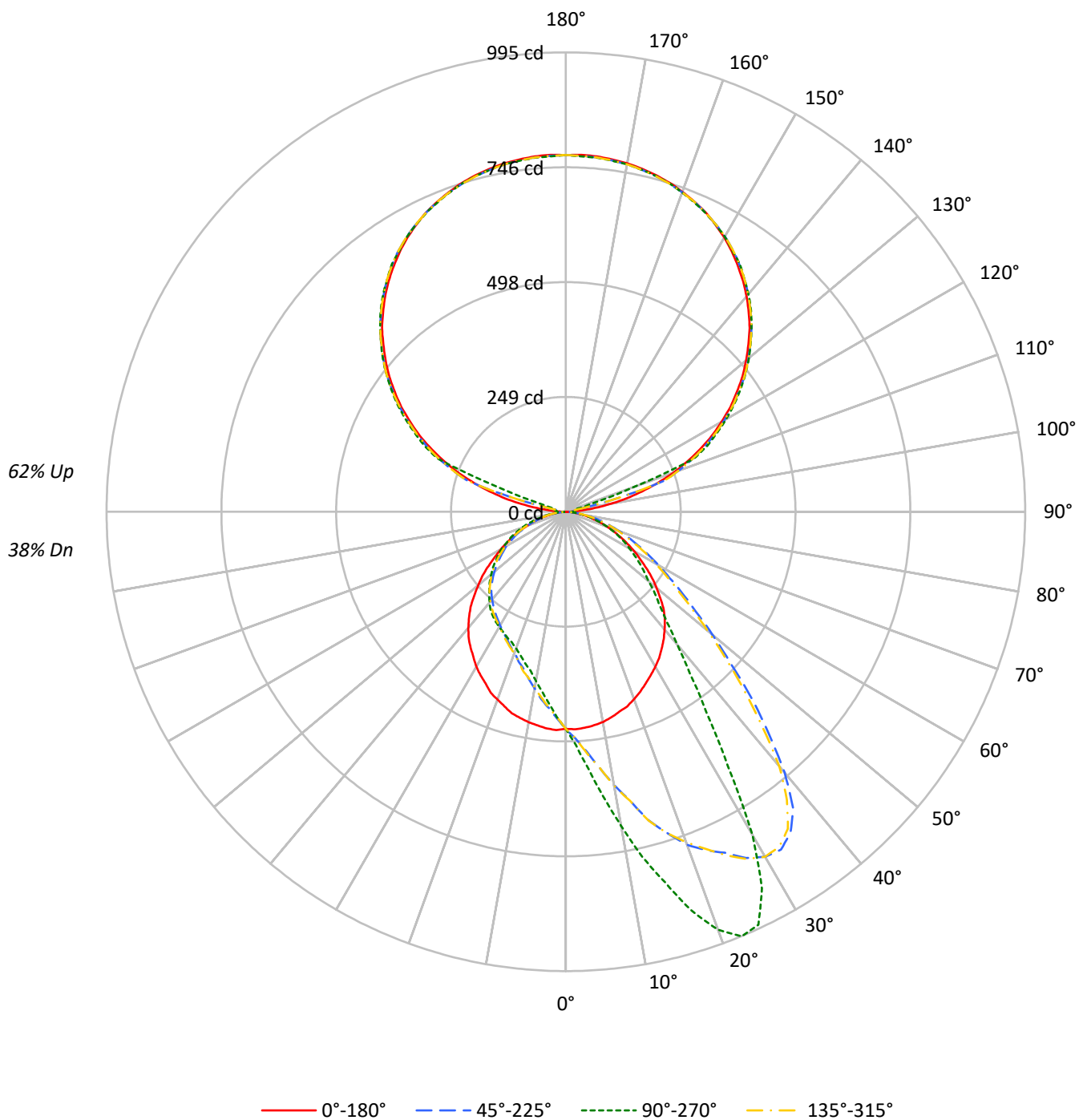
Lumens per Lamp: N/A
Luminaire Lumens: 3776.0 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 28.4
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1011607

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Luminous Intensity Polar Plot



TEST NUMBER: P1011607

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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	104	104	104	104	95	95	95	95	76	76	76	60	60	60	45	45	45
1	95	91	87	84	86	83	80	77	67	65	63	53	52	50	40	39	38
2	87	80	74	69	79	73	68	63	59	56	53	47	44	42	35	34	32
3	79	70	63	57	72	64	58	53	52	48	44	41	38	36	31	29	28
4	73	62	55	49	66	57	50	45	46	42	38	37	34	31	28	26	24
5	67	55	47	42	60	51	44	39	42	37	33	33	30	27	25	23	21
6	61	50	42	36	55	45	39	34	37	32	28	30	26	23	23	21	19
7	57	45	37	32	51	41	34	29	34	29	25	27	24	21	21	18	16
8	52	41	33	28	48	37	31	26	31	26	22	25	21	18	19	17	15
9	49	37	30	25	44	34	27	23	28	23	20	23	19	17	18	15	13
10	46	34	27	22	41	31	25	21	26	21	18	21	17	15	16	14	12

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	1.2
10°-20°	148.5	3.9
20°-30°	249.9	6.6
30°-40°	282.4	7.5
40°-50°	252.9	6.7
50°-60°	204.2	5.4
60°-70°	142.3	3.8
70°-80°	74.7	2.0
80°-90°	19.4	0.5
90°-100°	27.2	0.7
100°-110°	131.7	3.5
110°-120°	322.8	8.5
120°-130°	409.8	10.9
130°-140°	437.8	11.6
140°-150°	409.4	10.8
150°-160°	330.2	8.7
160°-170°	213.1	5.6
170°-180°	73.4	1.9
0°-30°	444.6	11.8
0°-40°	727.0	19.3
0°-60°	1184.1	31.4
0°-90°	1420.5	37.6
90°-120°	481.8	12.8
90°-150°	1738.8	46.0
90°-180°	2355.0	62.4
0°-180°	3776.0	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	17	1	17	1	3
95°	35	22	35	22	35	42
105°	171	25	171	25	171	181
115°	321	338	321	338	321	317
125°	452	462	452	462	452	404
135°	563	569	563	569	563	434
145°	650	656	650	656	650	407
155°	716	715	716	715	716	330
165°	755	753	755	753	755	213
175°	773	770	773	770	773	74
180°	773	773	773	773	773	

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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°	0.6	1.9	3.1	4.4	5.7	6.3	7.1	8.8	10.5	12.1	13.8
92.5°	13.2	12.4	11.7	10.9	10.2	9.8	10.4	11.5	12.6	13.8	14.9
95°	35.0	29.8	24.6	19.3	14.1	11.5	12.2	13.6	15.0	16.4	17.8
97.5°	63.7	60.1	56.5	53.0	49.4	47.6	44.4	37.9	31.4	24.9	18.4
100°	97.0	99.6	102.1	104.7	107.2	108.5	98.5	78.6	58.7	38.8	18.9
102.5°	134.9	136.6	138.2	139.9	141.6	142.4	131.3	109.1	86.9	64.7	42.5
105°	171.1	172.5	173.9	175.3	176.7	177.4	171.7	160.2	148.7	137.2	125.7
107.5°	209.5	210.7	211.8	213.0	214.1	214.7	215.7	217.6	219.5	221.4	223.3
110°	248.0	249.0	250.0	251.1	252.1	252.6	253.3	254.7	256.1	257.5	258.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	284.7	285.6	286.5	287.4	288.3	288.7	289.4	290.8	292.2	293.6	295.0
115°	320.9	321.7	322.4	323.2	323.9	324.3	324.9	326.0	327.2	328.3	329.5
117.5°	356.5	357.4	358.3	359.2	360.1	360.5	360.8	361.5	362.1	362.8	363.4
120°	389.2	390.4	391.5	392.7	393.8	394.4	394.6	395.0	395.3	395.7	396.1
122.5°	422.5	423.4	424.3	425.2	426.1	426.5	426.8	427.3	427.8	428.3	428.8
125°	452.3	453.3	454.3	455.4	456.4	456.9	457.2	457.7	458.2	458.7	459.2
127.5°	482.2	483.2	484.2	485.3	486.3	486.8	487.1	487.7	488.4	489.0	489.6
130°	509.7	510.7	511.7	512.8	513.8	514.3	514.6	515.1	515.6	516.1	516.6
132.5°	536.1	537.1	538.1	539.2	540.2	540.7	540.9	541.3	541.7	542.1	542.5
135°	563.1	563.9	564.7	565.4	566.2	566.6	566.9	567.4	567.9	568.4	568.9
137.5°	586.1	587.1	588.1	589.2	590.2	590.7	590.8	591.1	591.3	591.6	591.8
140°	609.0	609.8	610.6	611.3	612.1	612.5	612.7	613.1	613.4	613.8	614.2
142.5°	630.3	631.1	631.8	632.6	633.3	633.7	633.9	634.3	634.6	635.0	635.4
145°	649.8	650.7	651.6	652.5	653.4	653.8	653.9	654.2	654.5	654.7	655.0
147.5°	668.7	669.3	670.0	670.6	671.3	671.6	671.7	672.0	672.3	672.5	672.8
150°	686.0	686.4	686.8	687.1	687.5	687.7	687.8	688.1	688.3	688.6	688.8
152.5°	701.5	701.6	701.7	701.8	701.9	702.0	702.1	702.2	702.3	702.5	702.6
155°	715.8	715.6	715.3	715.1	714.8	714.7	714.8	714.9	715.0	715.1	715.2
157.5°	727.3	727.3	727.3	727.3	727.3	727.3	727.2	727.1	727.0	726.8	726.7
160°	737.6	737.5	737.3	737.2	737.1	737.0	736.9	736.8	736.7	736.6	736.5
162.5°	747.4	747.0	746.6	746.3	745.9	745.7	745.6	745.5	745.4	745.2	745.1
165°	754.8	754.4	754.0	753.7	753.3	753.1	753.0	752.9	752.8	752.6	752.5
167.5°	761.2	760.7	760.2	759.7	759.2	758.9	758.9	758.9	758.9	758.9	758.9
170°	766.3	765.8	765.3	764.8	764.3	764.0	764.0	764.0	764.0	764.0	764.0
172.5°	769.8	769.2	768.5	767.9	767.2	766.9	767.0	767.1	767.2	767.4	767.5
175°	772.6	772.0	771.4	770.7	770.1	769.8	769.9	770.0	770.1	770.2	770.3
177.5°	773.8	773.2	772.5	771.9	771.2	770.9	771.0	771.1	771.2	771.4	771.5
180°	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6

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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°	14.3	14.8	15.3	15.8	16.1	16.2	16.5	16.7	17.0	17.2	17.0
92.5°	15.8	16.7	17.6	18.5	18.9	19.0	19.1	19.2	19.4	19.5	19.4
95°	18.7	19.6	20.5	21.4	21.8	21.8	21.8	21.8	21.8	21.8	21.8
97.5°	19.4	20.4	21.5	22.5	23.0	23.1	23.2	23.3	23.4	23.5	23.4
100°	19.9	20.9	22.0	23.0	23.5	23.6	23.7	23.8	24.0	24.1	24.0
102.5°	38.3	34.1	29.8	25.6	23.5	23.6	23.9	24.2	24.4	24.7	24.4
105°	103.1	80.5	58.0	35.4	24.1	24.2	24.5	24.8	25.0	25.3	25.0
107.5°	203.7	184.0	164.4	144.7	134.9	126.5	109.8	93.1	76.4	59.7	76.4
110°	254.7	250.5	246.2	242.0	239.9	230.8	212.6	194.3	176.1	157.9	176.1

TEST NUMBER: P1011607

CATALOG NUMBER: S123DIP-B340D585UB35-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	296.2	297.3	298.5	299.6	300.2	300.1	299.8	299.6	299.3	299.1	299.3
115°	330.8	332.0	333.3	334.6	335.2	335.5	336.0	336.5	337.0	337.5	337.0
117.5°	364.4	365.4	366.5	367.5	368.0	368.1	368.2	368.3	368.4	368.5	368.4
120°	397.1	398.1	399.2	400.2	400.7	400.7	400.7	400.7	400.7	400.7	400.7
122.5°	429.4	430.1	430.7	431.4	431.7	431.8	431.9	432.0	432.1	432.2	432.1
125°	459.5	459.7	460.0	460.3	460.4	460.5	460.8	461.0	461.3	461.5	461.3
127.5°	490.0	490.4	490.8	491.2	491.4	491.3	491.0	490.7	490.5	490.2	490.5
130°	517.1	517.6	518.1	518.6	518.9	518.8	518.5	518.3	518.0	517.8	518.0
132.5°	543.0	543.5	544.0	544.5	544.8	544.6	544.2	543.8	543.4	543.0	543.4
135°	569.3	569.7	570.0	570.4	570.6	570.4	570.0	569.7	569.3	568.9	569.3
137.5°	592.4	593.1	593.7	594.4	594.7	594.6	594.3	594.0	593.8	593.5	593.8
140°	614.7	615.2	615.7	616.2	616.5	616.4	616.1	615.9	615.6	615.4	615.6
142.5°	635.8	636.2	636.6	637.0	637.2	637.0	636.6	636.2	635.8	635.4	635.8
145°	655.2	655.5	655.7	656.0	656.1	656.1	656.1	656.1	656.1	656.1	656.1
147.5°	673.0	673.3	673.5	673.8	673.9	673.6	672.9	672.3	671.6	671.0	671.6
150°	689.1	689.3	689.6	689.9	690.0	689.8	689.4	689.1	688.7	688.3	688.7
152.5°	703.1	703.6	704.1	704.6	704.9	704.6	703.9	703.3	702.6	702.0	702.6
155°	715.8	716.5	717.1	717.8	718.1	717.7	717.0	716.2	715.5	714.7	715.5
157.5°	727.5	728.3	729.0	729.8	730.2	729.7	728.7	727.6	726.6	725.6	726.6
160°	737.3	738.0	738.8	739.5	739.9	739.5	738.6	737.7	736.8	735.9	736.8
162.5°	746.0	746.9	747.8	748.7	749.1	748.7	748.0	747.2	746.5	745.7	746.5
165°	753.5	754.5	755.6	756.6	757.1	756.7	755.8	754.9	754.0	753.1	754.0
167.5°	759.9	760.9	762.0	763.0	763.5	763.0	762.0	760.9	759.9	758.9	759.9
170°	765.0	766.0	767.1	768.1	768.6	768.1	767.1	766.0	765.0	764.0	765.0
172.5°	768.5	769.5	770.6	771.6	772.1	771.5	770.4	769.2	768.1	766.9	768.1
175°	771.2	772.1	773.0	773.9	774.4	773.9	772.9	771.8	770.8	769.8	770.8
177.5°	772.5	773.5	774.6	775.6	776.1	775.5	774.2	772.9	771.6	770.3	771.6
180°	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6

TEST NUMBER: P1011607

CATALOG NUMBER: S123DIP-B340D585UB35-4F0-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°	16.7	16.5	16.2	16.1	15.8	15.3	14.8	14.3	13.8	12.1	10.5
92.5°	19.2	19.1	19.0	18.9	18.5	17.6	16.7	15.8	14.9	13.8	12.6
95°	21.8	21.8	21.8	21.8	21.4	20.5	19.6	18.7	17.8	16.4	15.0
97.5°	23.3	23.2	23.1	23.0	22.5	21.5	20.4	19.4	18.4	24.9	31.4
100°	23.8	23.7	23.6	23.5	23.0	22.0	20.9	19.9	18.9	38.8	58.7
102.5°	24.2	23.9	23.6	23.5	25.6	29.8	34.1	38.3	42.5	64.7	86.9
105°	24.8	24.5	24.2	24.1	35.4	58.0	80.5	103.1	125.7	137.2	148.7
107.5°	93.1	109.8	126.5	134.9	144.7	164.4	184.0	203.7	223.3	221.4	219.5
110°	194.3	212.6	230.8	239.9	242.0	246.2	250.5	254.7	258.9	257.5	256.1

TEST NUMBER: P1011607

CATALOG NUMBER: S123DIP-B340D585UB35-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	299.6	299.8	300.1	300.2	299.6	298.5	297.3	296.2	295.0	293.6	292.2
115°	336.5	336.0	335.5	335.2	334.6	333.3	332.0	330.8	329.5	328.3	327.2
117.5°	368.3	368.2	368.1	368.0	367.5	366.5	365.4	364.4	363.4	362.8	362.1
120°	400.7	400.7	400.7	400.7	400.2	399.2	398.1	397.1	396.1	395.7	395.3
122.5°	432.0	431.9	431.8	431.7	431.4	430.7	430.1	429.4	428.8	428.3	427.8
125°	461.0	460.8	460.5	460.4	460.3	460.0	459.7	459.5	459.2	458.7	458.2
127.5°	490.7	491.0	491.3	491.4	491.2	490.8	490.4	490.0	489.6	489.0	488.4
130°	518.3	518.5	518.8	518.9	518.6	518.1	517.6	517.1	516.6	516.1	515.6
132.5°	543.8	544.2	544.6	544.8	544.5	544.0	543.5	543.0	542.5	542.1	541.7
135°	569.7	570.0	570.4	570.6	570.4	570.0	569.7	569.3	568.9	568.4	567.9
137.5°	594.0	594.3	594.6	594.7	594.4	593.7	593.1	592.4	591.8	591.6	591.3
140°	615.9	616.1	616.4	616.5	616.2	615.7	615.2	614.7	614.2	613.8	613.4
142.5°	636.2	636.6	637.0	637.2	637.0	636.6	636.2	635.8	635.4	635.0	634.6
145°	656.1	656.1	656.1	656.1	656.0	655.7	655.5	655.2	655.0	654.7	654.5
147.5°	672.3	672.9	673.6	673.9	673.8	673.5	673.3	673.0	672.8	672.5	672.3
150°	689.1	689.4	689.8	690.0	689.9	689.6	689.3	689.1	688.8	688.6	688.3
152.5°	703.3	703.9	704.6	704.9	704.6	704.1	703.6	703.1	702.6	702.5	702.3
155°	716.2	717.0	717.7	718.1	717.8	717.1	716.5	715.8	715.2	715.1	715.0
157.5°	727.6	728.7	729.7	730.2	729.8	729.0	728.3	727.5	726.7	726.8	727.0
160°	737.7	738.6	739.5	739.9	739.5	738.8	738.0	737.3	736.5	736.6	736.7
162.5°	747.2	748.0	748.7	749.1	748.7	747.8	746.9	746.0	745.1	745.2	745.4
165°	754.9	755.8	756.7	757.1	756.6	755.6	754.5	753.5	752.5	752.6	752.8
167.5°	760.9	762.0	763.0	763.5	763.0	762.0	760.9	759.9	758.9	758.9	758.9
170°	766.0	767.1	768.1	768.6	768.1	767.1	766.0	765.0	764.0	764.0	764.0
172.5°	769.2	770.4	771.5	772.1	771.6	770.6	769.5	768.5	767.5	767.4	767.2
175°	771.8	772.9	773.9	774.4	773.9	773.0	772.1	771.2	770.3	770.2	770.1
177.5°	772.9	774.2	775.5	776.1	775.6	774.6	773.5	772.5	771.5	771.4	771.2
180°	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6

TEST NUMBER: P1011607

CATALOG NUMBER: S123DIP-B340D585UB35-4F0-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°	8.8	7.1	6.3	5.7	4.4	3.1	1.9	0.6	1.9	3.1	4.4
92.5°	11.5	10.4	9.8	10.2	10.9	11.7	12.4	13.2	12.4	11.7	10.9
95°	13.6	12.2	11.5	14.1	19.3	24.6	29.8	35.0	29.8	24.6	19.3
97.5°	37.9	44.4	47.6	49.4	53.0	56.5	60.1	63.7	60.1	56.5	53.0
100°	78.6	98.5	108.5	107.2	104.7	102.1	99.6	97.0	99.6	102.1	104.7
102.5°	109.1	131.3	142.4	141.6	139.9	138.2	136.6	134.9	136.6	138.2	139.9
105°	160.2	171.7	177.4	176.7	175.3	173.9	172.5	171.1	172.5	173.9	175.3
107.5°	217.6	215.7	214.7	214.1	213.0	211.8	210.7	209.5	210.7	211.8	213.0
110°	254.7	253.3	252.6	252.1	251.1	250.0	249.0	248.0	249.0	250.0	251.1

TEST NUMBER: P1011607

CATALOG NUMBER: S123DIP-B340D585UB35-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	290.8	289.4	288.7	288.3	287.4	286.5	285.6	284.7	285.6	286.5	287.4
115°	326.0	324.9	324.3	323.9	323.2	322.4	321.7	320.9	321.7	322.4	323.2
117.5°	361.5	360.8	360.5	360.1	359.2	358.3	357.4	356.5	357.4	358.3	359.2
120°	395.0	394.6	394.4	393.8	392.7	391.5	390.4	389.2	390.4	391.5	392.7
122.5°	427.3	426.8	426.5	426.1	425.2	424.3	423.4	422.5	423.4	424.3	425.2
125°	457.7	457.2	456.9	456.4	455.4	454.3	453.3	452.3	453.3	454.3	455.4
127.5°	487.7	487.1	486.8	486.3	485.3	484.2	483.2	482.2	483.2	484.2	485.3
130°	515.1	514.6	514.3	513.8	512.8	511.7	510.7	509.7	510.7	511.7	512.8
132.5°	541.3	540.9	540.7	540.2	539.2	538.1	537.1	536.1	537.1	538.1	539.2
135°	567.4	566.9	566.6	566.2	565.4	564.7	563.9	563.1	563.9	564.7	565.4
137.5°	591.1	590.8	590.7	590.2	589.2	588.1	587.1	586.1	587.1	588.1	589.2
140°	613.1	612.7	612.5	612.1	611.3	610.6	609.8	609.0	609.8	610.6	611.3
142.5°	634.3	633.9	633.7	633.3	632.6	631.8	631.1	630.3	631.1	631.8	632.6
145°	654.2	653.9	653.8	653.4	652.5	651.6	650.7	649.8	650.7	651.6	652.5
147.5°	672.0	671.7	671.6	671.3	670.6	670.0	669.3	668.7	669.3	670.0	670.6
150°	688.1	687.8	687.7	687.5	687.1	686.8	686.4	686.0	686.4	686.8	687.1
152.5°	702.2	702.1	702.0	701.9	701.8	701.7	701.6	701.5	701.6	701.7	701.8
155°	714.9	714.8	714.7	714.8	715.1	715.3	715.6	715.8	715.6	715.3	715.1
157.5°	727.1	727.2	727.3	727.3	727.3	727.3	727.3	727.3	727.3	727.3	727.3
160°	736.8	736.9	737.0	737.1	737.2	737.3	737.5	737.6	737.5	737.3	737.2
162.5°	745.5	745.6	745.7	745.9	746.3	746.6	747.0	747.4	747.0	746.6	746.3
165°	752.9	753.0	753.1	753.3	753.7	754.0	754.4	754.8	754.4	754.0	753.7
167.5°	758.9	758.9	758.9	759.2	759.7	760.2	760.7	761.2	760.7	760.2	759.7
170°	764.0	764.0	764.0	764.3	764.8	765.3	765.8	766.3	765.8	765.3	764.8
172.5°	767.1	767.0	766.9	767.2	767.9	768.5	769.2	769.8	769.2	768.5	767.9
175°	770.0	769.9	769.8	770.1	770.7	771.4	772.0	772.6	772.0	771.4	770.7
177.5°	771.1	771.0	770.9	771.2	771.9	772.5	773.2	773.8	773.2	772.5	771.9
180°	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6

TEST NUMBER: P1011607

CATALOG NUMBER: S123DIP-B340D585UB35-4F0-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°	5.7	6.3	7.1	8.8	10.5	12.1	13.8	14.3	14.8	15.3	15.8
92.5°	10.2	9.8	10.4	11.5	12.6	13.8	14.9	15.8	16.7	17.6	18.5
95°	14.1	11.5	12.2	13.6	15.0	16.4	17.8	18.7	19.6	20.5	21.4
97.5°	49.4	47.6	44.4	37.9	31.4	24.9	18.4	19.4	20.4	21.5	22.5
100°	107.2	108.5	98.5	78.6	58.7	38.8	18.9	19.9	20.9	22.0	23.0
102.5°	141.6	142.4	131.3	109.1	86.9	64.7	42.5	38.3	34.1	29.8	25.6
105°	176.7	177.4	171.7	160.2	148.7	137.2	125.7	103.1	80.5	58.0	35.4
107.5°	214.1	214.7	215.7	217.6	219.5	221.4	223.3	203.7	184.0	164.4	144.7
110°	252.1	252.6	253.3	254.7	256.1	257.5	258.9	254.7	250.5	246.2	242.0

TEST NUMBER: P1011607

CATALOG NUMBER: S123DIP-B340D585UB35-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	288.3	288.7	289.4	290.8	292.2	293.6	295.0	296.2	297.3	298.5	299.6
115°	323.9	324.3	324.9	326.0	327.2	328.3	329.5	330.8	332.0	333.3	334.6
117.5°	360.1	360.5	360.8	361.5	362.1	362.8	363.4	364.4	365.4	366.5	367.5
120°	393.8	394.4	394.6	395.0	395.3	395.7	396.1	397.1	398.1	399.2	400.2
122.5°	426.1	426.5	426.8	427.3	427.8	428.3	428.8	429.4	430.1	430.7	431.4
125°	456.4	456.9	457.2	457.7	458.2	458.7	459.2	459.5	459.7	460.0	460.3
127.5°	486.3	486.8	487.1	487.7	488.4	489.0	489.6	490.0	490.4	490.8	491.2
130°	513.8	514.3	514.6	515.1	515.6	516.1	516.6	517.1	517.6	518.1	518.6
132.5°	540.2	540.7	540.9	541.3	541.7	542.1	542.5	543.0	543.5	544.0	544.5
135°	566.2	566.6	566.9	567.4	567.9	568.4	568.9	569.3	569.7	570.0	570.4
137.5°	590.2	590.7	590.8	591.1	591.3	591.6	591.8	592.4	593.1	593.7	594.4
140°	612.1	612.5	612.7	613.1	613.4	613.8	614.2	614.7	615.2	615.7	616.2
142.5°	633.3	633.7	633.9	634.3	634.6	635.0	635.4	635.8	636.2	636.6	637.0
145°	653.4	653.8	653.9	654.2	654.5	654.7	655.0	655.2	655.5	655.7	656.0
147.5°	671.3	671.6	671.7	672.0	672.3	672.5	672.8	673.0	673.3	673.5	673.8
150°	687.5	687.7	687.8	688.1	688.3	688.6	688.8	689.1	689.3	689.6	689.9
152.5°	701.9	702.0	702.1	702.2	702.3	702.5	702.6	703.1	703.6	704.1	704.6
155°	714.8	714.7	714.8	714.9	715.0	715.1	715.2	715.8	716.5	717.1	717.8
157.5°	727.3	727.3	727.2	727.1	727.0	726.8	726.7	727.5	728.3	729.0	729.8
160°	737.1	737.0	736.9	736.8	736.7	736.6	736.5	737.3	738.0	738.8	739.5
162.5°	745.9	745.7	745.6	745.5	745.4	745.2	745.1	746.0	746.9	747.8	748.7
165°	753.3	753.1	753.0	752.9	752.8	752.6	752.5	753.5	754.5	755.6	756.6
167.5°	759.2	758.9	758.9	758.9	758.9	758.9	758.9	759.9	760.9	762.0	763.0
170°	764.3	764.0	764.0	764.0	764.0	764.0	764.0	765.0	766.0	767.1	768.1
172.5°	767.2	766.9	767.0	767.1	767.2	767.4	767.5	768.5	769.5	770.6	771.6
175°	770.1	769.8	769.9	770.0	770.1	770.2	770.3	771.2	772.1	773.0	773.9
177.5°	771.2	770.9	771.0	771.1	771.2	771.4	771.5	772.5	773.5	774.6	775.6
180°	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6

TEST NUMBER: P1011607

CATALOG NUMBER: S123DIP-B340D585UB35-4F0-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°	16.1	16.2	16.5	16.7	17.0	17.2	17.0	16.7	16.5	16.2	16.1
92.5°	18.9	19.0	19.1	19.2	19.4	19.5	19.4	19.2	19.1	19.0	18.9
95°	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
97.5°	23.0	23.1	23.2	23.3	23.4	23.5	23.4	23.3	23.2	23.1	23.0
100°	23.5	23.6	23.7	23.8	24.0	24.1	24.0	23.8	23.7	23.6	23.5
102.5°	23.5	23.6	23.9	24.2	24.4	24.7	24.4	24.2	23.9	23.6	23.5
105°	24.1	24.2	24.5	24.8	25.0	25.3	25.0	24.8	24.5	24.2	24.1
107.5°	134.9	126.5	109.8	93.1	76.4	59.7	76.4	93.1	109.8	126.5	134.9
110°	239.9	230.8	212.6	194.3	176.1	157.9	176.1	194.3	212.6	230.8	239.9

TEST NUMBER: P1011607

CATALOG NUMBER: S123DIP-B340D585UB35-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	300.2	300.1	299.8	299.6	299.3	299.1	299.3	299.6	299.8	300.1	300.2
115°	335.2	335.5	336.0	336.5	337.0	337.5	337.0	336.5	336.0	335.5	335.2
117.5°	368.0	368.1	368.2	368.3	368.4	368.5	368.4	368.3	368.2	368.1	368.0
120°	400.7	400.7	400.7	400.7	400.7	400.7	400.7	400.7	400.7	400.7	400.7
122.5°	431.7	431.8	431.9	432.0	432.1	432.2	432.1	432.0	431.9	431.8	431.7
125°	460.4	460.5	460.8	461.0	461.3	461.5	461.3	461.0	460.8	460.5	460.4
127.5°	491.4	491.3	491.0	490.7	490.5	490.2	490.5	490.7	491.0	491.3	491.4
130°	518.9	518.8	518.5	518.3	518.0	517.8	518.0	518.3	518.5	518.8	518.9
132.5°	544.8	544.6	544.2	543.8	543.4	543.0	543.4	543.8	544.2	544.6	544.8
135°	570.6	570.4	570.0	569.7	569.3	568.9	569.3	569.7	570.0	570.4	570.6
137.5°	594.7	594.6	594.3	594.0	593.8	593.5	593.8	594.0	594.3	594.6	594.7
140°	616.5	616.4	616.1	615.9	615.6	615.4	615.6	615.9	616.1	616.4	616.5
142.5°	637.2	637.0	636.6	636.2	635.8	635.4	635.8	636.2	636.6	637.0	637.2
145°	656.1	656.1	656.1	656.1	656.1	656.1	656.1	656.1	656.1	656.1	656.1
147.5°	673.9	673.6	672.9	672.3	671.6	671.0	671.6	672.3	672.9	673.6	673.9
150°	690.0	689.8	689.4	689.1	688.7	688.3	688.7	689.1	689.4	689.8	690.0
152.5°	704.9	704.6	703.9	703.3	702.6	702.0	702.6	703.3	703.9	704.6	704.9
155°	718.1	717.7	717.0	716.2	715.5	714.7	715.5	716.2	717.0	717.7	718.1
157.5°	730.2	729.7	728.7	727.6	726.6	725.6	726.6	727.6	728.7	729.7	730.2
160°	739.9	739.5	738.6	737.7	736.8	735.9	736.8	737.7	738.6	739.5	739.9
162.5°	749.1	748.7	748.0	747.2	746.5	745.7	746.5	747.2	748.0	748.7	749.1
165°	757.1	756.7	755.8	754.9	754.0	753.1	754.0	754.9	755.8	756.7	757.1
167.5°	763.5	763.0	762.0	760.9	759.9	758.9	759.9	760.9	762.0	763.0	763.5
170°	768.6	768.1	767.1	766.0	765.0	764.0	765.0	766.0	767.1	768.1	768.6
172.5°	772.1	771.5	770.4	769.2	768.1	766.9	768.1	769.2	770.4	771.5	772.1
175°	774.4	773.9	772.9	771.8	770.8	769.8	770.8	771.8	772.9	773.9	774.4
177.5°	776.1	775.5	774.2	772.9	771.6	770.3	771.6	772.9	774.2	775.5	776.1
180°	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6

TEST NUMBER: P1011607

CATALOG NUMBER: S123DIP-B340D585UB35-4F0-XX-W2A-A

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°	15.8	15.3	14.8	14.3	13.8	12.1	10.5	8.8	7.1	6.3	5.7
92.5°	18.5	17.6	16.7	15.8	14.9	13.8	12.6	11.5	10.4	9.8	10.2
95°	21.4	20.5	19.6	18.7	17.8	16.4	15.0	13.6	12.2	11.5	14.1
97.5°	22.5	21.5	20.4	19.4	18.4	24.9	31.4	37.9	44.4	47.6	49.4
100°	23.0	22.0	20.9	19.9	18.9	38.8	58.7	78.6	98.5	108.5	107.2
102.5°	25.6	29.8	34.1	38.3	42.5	64.7	86.9	109.1	131.3	142.4	141.6
105°	35.4	58.0	80.5	103.1	125.7	137.2	148.7	160.2	171.7	177.4	176.7
107.5°	144.7	164.4	184.0	203.7	223.3	221.4	219.5	217.6	215.7	214.7	214.1
110°	242.0	246.2	250.5	254.7	258.9	257.5	256.1	254.7	253.3	252.6	252.1

TEST NUMBER: P1011607

CATALOG NUMBER: S123DIP-B340D585UB35-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	299.6	298.5	297.3	296.2	295.0	293.6	292.2	290.8	289.4	288.7	288.3
115°	334.6	333.3	332.0	330.8	329.5	328.3	327.2	326.0	324.9	324.3	323.9
117.5°	367.5	366.5	365.4	364.4	363.4	362.8	362.1	361.5	360.8	360.5	360.1
120°	400.2	399.2	398.1	397.1	396.1	395.7	395.3	395.0	394.6	394.4	393.8
122.5°	431.4	430.7	430.1	429.4	428.8	428.3	427.8	427.3	426.8	426.5	426.1
125°	460.3	460.0	459.7	459.5	459.2	458.7	458.2	457.7	457.2	456.9	456.4
127.5°	491.2	490.8	490.4	490.0	489.6	489.0	488.4	487.7	487.1	486.8	486.3
130°	518.6	518.1	517.6	517.1	516.6	516.1	515.6	515.1	514.6	514.3	513.8
132.5°	544.5	544.0	543.5	543.0	542.5	542.1	541.7	541.3	540.9	540.7	540.2
135°	570.4	570.0	569.7	569.3	568.9	568.4	567.9	567.4	566.9	566.6	566.2
137.5°	594.4	593.7	593.1	592.4	591.8	591.6	591.3	591.1	590.8	590.7	590.2
140°	616.2	615.7	615.2	614.7	614.2	613.8	613.4	613.1	612.7	612.5	612.1
142.5°	637.0	636.6	636.2	635.8	635.4	635.0	634.6	634.3	633.9	633.7	633.3
145°	656.0	655.7	655.5	655.2	655.0	654.7	654.5	654.2	653.9	653.8	653.4
147.5°	673.8	673.5	673.3	673.0	672.8	672.5	672.3	672.0	671.7	671.6	671.3
150°	689.9	689.6	689.3	689.1	688.8	688.6	688.3	688.1	687.8	687.7	687.5
152.5°	704.6	704.1	703.6	703.1	702.6	702.5	702.3	702.2	702.1	702.0	701.9
155°	717.8	717.1	716.5	715.8	715.2	715.1	715.0	714.9	714.8	714.7	714.8
157.5°	729.8	729.0	728.3	727.5	726.7	726.8	727.0	727.1	727.2	727.3	727.3
160°	739.5	738.8	738.0	737.3	736.5	736.6	736.7	736.8	736.9	737.0	737.1
162.5°	748.7	747.8	746.9	746.0	745.1	745.2	745.4	745.5	745.6	745.7	745.9
165°	756.6	755.6	754.5	753.5	752.5	752.6	752.8	752.9	753.0	753.1	753.3
167.5°	763.0	762.0	760.9	759.9	758.9	758.9	758.9	758.9	758.9	758.9	759.2
170°	768.1	767.1	766.0	765.0	764.0	764.0	764.0	764.0	764.0	764.0	764.3
172.5°	771.6	770.6	769.5	768.5	767.5	767.4	767.2	767.1	767.0	766.9	767.2
175°	773.9	773.0	772.1	771.2	770.3	770.2	770.1	770.0	769.9	769.8	770.1
177.5°	775.6	774.6	773.5	772.5	771.5	771.4	771.2	771.1	771.0	770.9	771.2
180°	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6	772.6

TEST NUMBER: P1011607

CATALOG NUMBER: S123DIP-B340D585UB35-4F0-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°	4.4	3.1	1.9	0.6
92.5°	10.9	11.7	12.4	13.2
95°	19.3	24.6	29.8	35.0
97.5°	53.0	56.5	60.1	63.7
100°	104.7	102.1	99.6	97.0
102.5°	139.9	138.2	136.6	134.9
105°	175.3	173.9	172.5	171.1
107.5°	213.0	211.8	210.7	209.5
110°	251.1	250.0	249.0	248.0

TEST NUMBER: P1011607

CATALOG NUMBER: S123DIP-B340D585UB35-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	287.4	286.5	285.6	284.7
115°	323.2	322.4	321.7	320.9
117.5°	359.2	358.3	357.4	356.5
120°	392.7	391.5	390.4	389.2
122.5°	425.2	424.3	423.4	422.5
125°	455.4	454.3	453.3	452.3
127.5°	485.3	484.2	483.2	482.2
130°	512.8	511.7	510.7	509.7
132.5°	539.2	538.1	537.1	536.1
135°	565.4	564.7	563.9	563.1
137.5°	589.2	588.1	587.1	586.1
140°	611.3	610.6	609.8	609.0
142.5°	632.6	631.8	631.1	630.3
145°	652.5	651.6	650.7	649.8
147.5°	670.6	670.0	669.3	668.7
150°	687.1	686.8	686.4	686.0
152.5°	701.8	701.7	701.6	701.5
155°	715.1	715.3	715.6	715.8
157.5°	727.3	727.3	727.3	727.3
160°	737.2	737.3	737.5	737.6
162.5°	746.3	746.6	747.0	747.4
165°	753.7	754.0	754.4	754.8
167.5°	759.7	760.2	760.7	761.2
170°	764.8	765.3	765.8	766.3
172.5°	767.9	768.5	769.2	769.8
175°	770.7	771.4	772.0	772.6
177.5°	771.9	772.5	773.2	773.8
180°	772.6	772.6	772.6	772.6

(END OF REPORT)