

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: P1011626

Luminaire Tested: S123DIP-B340D585UB50-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1011626
REPORT IS A COMBINATION OF REPORTS P989851 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B340D585UB50-4F0-XX-W2A-A1
Description: Define 3 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

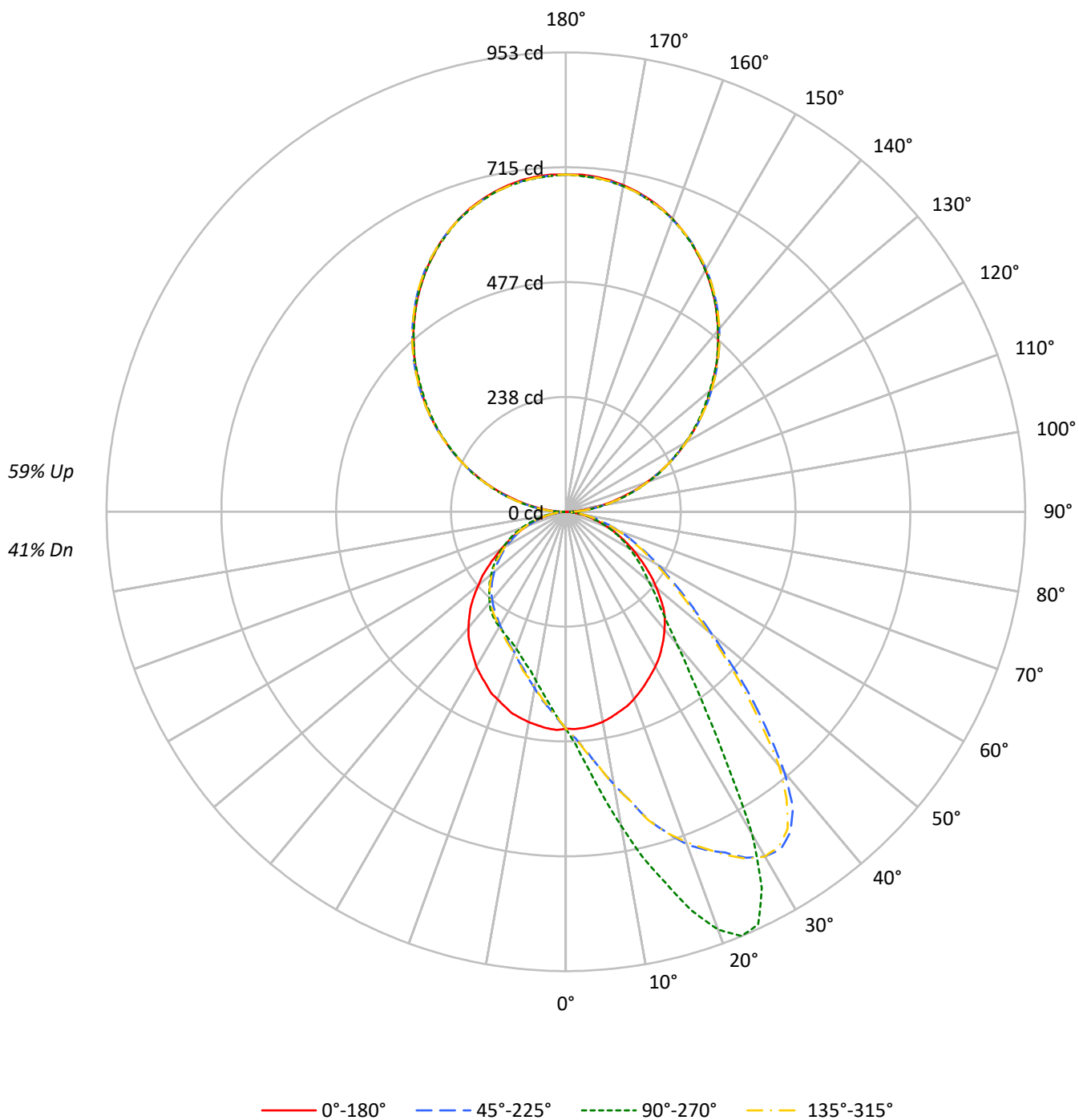
Lumens per Lamp: N/A
Luminaire Lumens: 3298.0 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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

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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	105	105	105	105	96	96	96	96	78	78	78	63	63	63	48	48	48
1	96	92	88	85	87	84	81	78	69	67	65	55	54	53	43	42	41
2	88	80	75	70	80	74	69	64	61	57	54	49	46	44	38	36	35
3	80	71	64	58	73	65	59	54	54	49	46	43	40	38	34	32	30
4	73	63	55	49	67	58	51	46	48	43	39	39	35	32	30	28	26
5	67	56	48	42	61	51	44	39	43	38	34	35	31	28	27	25	23
6	62	50	42	37	56	46	39	34	39	33	29	31	28	25	25	22	20
7	57	45	37	32	52	42	35	30	35	30	26	29	25	22	23	20	18
8	53	41	33	28	48	38	31	26	32	27	23	26	22	19	21	18	16
9	49	37	30	25	45	35	28	24	29	24	20	24	20	17	19	16	14
10	46	34	27	22	42	32	25	21	27	22	18	22	18	16	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4843	4843	4843	4843
5°	4846	5580	4860	4164
10°	4815	6753	4821	3637
15°	4749	8009	4788	3273
20°	4692	9220	4702	3013
25°	4607	9453	4617	2876
30°	4546	7809	4546	2787
35°	4471	5223	4443	2708
40°	4381	3770	4326	2587
45°	4267	2987	4143	2437
50°	3992	2537	3849	2290
55°	3689	2229	3539	2125
60°	3382	1941	3202	1952
65°	3046	1662	2898	1722
70°	2698	1379	2518	1451
75°	2305	1039	2157	1119
80°	1824	694	1683	736
85°	1258	319	1009	290

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 7810 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.3	1.3
10°-20°	142.1	4.3
20°-30°	239.1	7.3
30°-40°	270.3	8.2
40°-50°	242.1	7.3
50°-60°	195.4	5.9
60°-70°	136.2	4.1
70°-80°	71.5	2.2
80°-90°	18.6	0.6
90°-100°	45.0	1.4
100°-110°	136.3	4.1
110°-120°	232.1	7.0
120°-130°	305.3	9.3
130°-140°	343.2	10.4
140°-150°	337.4	10.2
150°-160°	284.0	8.6
160°-170°	189.1	5.7
170°-180°	66.2	2.0
0°-30°	425.5	12.9
0°-40°	695.8	21.1
0°-60°	1133.2	34.4
0°-90°	1359.5	41.2
90°-120°	413.4	12.5
90°-150°	1399.2	42.4
90°-180°	1939.0	58.8
0°-180°	3298.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	450	450	450	450	450	
5°	450	534	451	399	450	43
15°	429	796	432	325	429	121
25°	392	944	393	287	392	181
35°	346	509	344	264	346	217
45°	287	275	279	224	287	220
55°	204	187	195	178	204	182
65°	126	121	120	126	126	125
75°	61	62	57	67	61	65
85°	13	14	10	13	13	15
90°	0	16	0	16	0	3
95°	32	43	32	43	32	36
105°	124	131	124	131	124	132
115°	234	234	234	234	234	231
125°	342	338	342	338	342	305
135°	444	443	444	443	444	342
145°	538	538	538	538	538	336
155°	616	615	616	615	616	284
165°	671	669	671	669	671	189
175°	698	695	698	695	698	66
180°	700	700	700	700	700	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9
2.5°	451.3	454.7	456.5	459.1	461.7	465.6	466.9	469.1	468.3	470.0	470.9
5°	449.5	455.6	460.8	467.4	473.5	477.8	482.2	489.2	494.4	495.3	499.2
7.5°	446.5	455.2	464.3	473.5	485.3	492.2	500.1	509.7	517.5	530.2	535.0
10°	442.5	454.7	467.8	480.5	496.6	507.5	517.1	533.2	549.3	562.4	574.6
12.5°	436.4	451.7	468.7	487.4	508.4	521.0	534.1	555.5	579.9	599.9	613.0
15°	429.0	448.2	470.0	490.1	513.2	536.7	550.7	574.6	609.5	628.3	661.8
17.5°	422.9	442.5	464.3	495.7	527.1	550.7	560.7	604.7	628.7	660.1	698.0
20°	413.3	438.2	466.1	497.5	538.0	552.4	572.9	617.4	647.0	688.0	734.6
22.5°	403.3	429.9	463.5	496.2	541.5	556.8	584.7	620.0	667.1	707.6	759.1
25°	392.4	421.2	455.2	494.0	538.4	560.7	586.8	630.4	681.5	732.5	780.0
27.5°	381.5	412.9	448.2	487.0	530.2	556.3	582.5	627.8	693.2	748.6	809.2
30°	371.0	402.4	437.7	477.4	522.8	548.0	572.9	629.6	702.4	764.7	825.8
32.5°	359.7	392.0	429.0	462.2	507.9	535.0	562.9	629.6	708.0	774.3	830.1
35°	346.2	379.3	411.1	444.3	489.6	519.7	551.1	625.2	713.3	777.4	811.8
37.5°	333.1	362.3	389.8	422.0	469.6	501.8	538.0	620.0	710.7	764.3	773.9
40°	318.3	347.5	369.7	399.8	449.9	487.4	524.1	613.0	699.3	733.3	705.4
42.5°	303.9	327.0	346.2	375.4	429.9	466.5	506.2	600.4	677.1	684.1	621.3
45°	287.3	303.9	320.9	354.0	408.1	445.6	489.6	582.0	641.3	621.3	541.9
47.5°	266.0	280.8	299.5	330.0	385.0	423.8	465.6	558.5	589.5	547.6	460.8
50°	245.5	258.1	275.5	305.2	360.6	398.5	443.0	521.4	536.7	470.9	397.2
52.5°	225.0	234.6	251.6	281.2	336.6	373.2	413.8	483.5	474.8	404.2	338.8
55°	203.6	211.9	228.0	257.2	308.7	343.6	382.4	436.9	414.2	347.0	294.7
57.5°	182.7	191.4	208.0	232.4	280.8	314.8	345.7	388.5	354.5	300.8	254.6
60°	163.9	171.3	184.0	208.0	252.0	279.5	307.8	337.0	308.7	256.8	221.5
62.5°	144.3	151.3	163.1	184.9	222.8	247.2	269.9	293.9	262.5	224.5	193.1
65°	126.0	131.7	142.6	162.6	193.6	213.6	231.9	248.5	223.2	188.3	164.8
67.5°	109.4	114.2	123.4	141.3	167.4	181.8	196.6	210.6	189.2	161.3	141.3
70°	91.6	95.5	103.8	116.8	137.8	152.6	163.5	174.0	154.8	132.5	119.0
72.5°	75.9	79.8	85.0	98.5	112.9	122.1	133.8	139.5	128.6	110.3	96.8
75°	60.6	63.7	68.5	77.2	90.7	96.8	104.2	108.6	98.5	86.3	78.0
77.5°	47.5	48.8	52.3	58.4	67.6	74.6	80.2	82.8	75.9	68.0	61.0
80°	33.6	35.3	37.9	43.2	50.1	52.3	55.8	58.9	54.5	47.5	43.2
82.5°	22.2	24.4	25.7	27.9	32.3	34.9	35.8	38.4	34.4	31.8	30.1
85°	13.1	14.0	14.4	15.7	17.9	19.2	20.5	20.9	20.1	19.6	17.9
87.5°	6.5	6.5	6.5	7.4	7.8	8.7	9.2	9.2	9.2	8.7	8.3
90°	0.5	1.7	2.9	4.2	5.4	6.0	6.8	8.4	10.0	11.6	13.2
92.5°	16.5	17.2	18.0	18.7	19.4	19.8	20.2	20.9	21.6	22.4	23.1
95°	32.4	33.3	34.1	35.0	35.9	36.3	36.8	37.8	38.7	39.7	40.7
97.5°	53.3	53.9	54.5	55.2	55.8	56.1	56.5	57.2	57.9	58.7	59.4
100°	74.7	75.4	76.2	76.9	77.6	78.0	78.3	78.9	79.6	80.2	80.8
102.5°	99.5	99.9	100.2	100.6	100.9	101.1	101.5	102.4	103.3	104.1	105.0
105°	123.7	123.9	124.2	124.4	124.7	124.8	125.3	126.4	127.5	128.6	129.7
107.5°	152.2	152.3	152.5	152.6	152.7	152.8	153.0	153.5	154.0	154.5	155.0
110°	178.6	178.8	179.1	179.3	179.6	179.7	179.8	180.1	180.3	180.6	180.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	206.1	206.2	206.3	206.4	206.5	206.6	206.6	206.6	206.6	206.6	206.6
115°	233.6	234.0	234.3	234.7	235.0	235.2	235.1	234.8	234.6	234.3	234.1
117.5°	261.6	261.7	261.9	262.0	262.1	262.2	262.1	261.8	261.6	261.3	261.1
120°	287.4	288.1	288.9	289.6	290.3	290.7	290.4	289.8	289.2	288.6	288.0
122.5°	314.4	314.9	315.4	315.9	316.4	316.6	316.5	316.2	316.0	315.7	315.5
125°	341.8	342.2	342.6	342.9	343.3	343.5	343.4	343.1	342.9	342.6	342.4
127.5°	367.1	367.8	368.6	369.3	370.0	370.4	370.3	370.0	369.8	369.5	369.3
130°	392.4	393.4	394.4	395.3	396.3	396.8	396.6	396.3	395.9	395.6	395.2
132.5°	417.7	418.7	419.7	420.6	421.6	422.1	422.0	421.7	421.5	421.2	421.0
135°	443.5	444.2	445.0	445.7	446.4	446.8	446.7	446.6	446.5	446.4	446.3
137.5°	467.1	467.7	468.3	469.0	469.6	469.9	470.1	470.4	470.8	471.1	471.5
140°	491.9	492.5	493.1	493.7	494.3	494.6	494.7	494.8	494.9	495.1	495.2
142.5°	514.4	515.0	515.6	516.3	516.9	517.2	517.3	517.6	517.8	518.1	518.3
145°	538.0	538.2	538.5	538.7	539.0	539.1	539.3	539.7	540.0	540.4	540.8
147.5°	558.4	558.9	559.4	559.9	560.4	560.6	560.8	561.1	561.5	561.8	562.2
150°	579.8	580.0	580.3	580.5	580.8	580.9	581.0	581.3	581.5	581.8	582.0
152.5°	597.4	597.8	598.1	598.5	598.8	599.0	599.1	599.2	599.3	599.5	599.6
155°	616.1	616.1	616.1	616.1	616.1	616.1	616.2	616.3	616.4	616.5	616.6
157.5°	632.0	631.9	631.8	631.7	631.6	631.5	631.6	631.7	631.8	631.9	632.0
160°	646.9	646.7	646.4	646.2	645.9	645.8	645.8	645.8	645.8	645.8	645.8
162.5°	660.1	659.7	659.3	659.0	658.6	658.4	658.5	658.6	658.7	658.9	659.0
165°	671.0	670.6	670.3	669.9	669.6	669.4	669.4	669.4	669.4	669.4	669.4
167.5°	680.4	679.9	679.4	678.9	678.4	678.2	678.3	678.4	678.5	678.6	678.7
170°	688.1	687.6	687.1	686.6	686.1	685.9	685.9	685.9	685.9	685.9	685.9
172.5°	694.1	693.6	693.1	692.6	692.1	691.9	691.9	691.9	691.9	691.9	691.9
175°	698.0	697.5	697.0	696.5	696.0	695.8	695.8	695.8	695.8	695.8	695.8
177.5°	700.2	699.7	699.2	698.7	698.2	698.0	698.0	698.0	698.0	698.0	698.0
180°	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9
2.5°	473.9	474.8	477.8	480.0	484.4	484.0	484.0	483.5	482.2	484.4	485.7
5°	507.1	514.5	515.3	524.9	525.4	529.3	531.9	529.7	535.0	534.5	530.6
7.5°	548.0	558.1	562.9	572.0	582.5	579.9	589.9	591.6	590.8	595.1	598.2
10°	592.9	610.4	622.6	639.6	644.0	646.6	653.1	658.8	670.1	661.4	667.1
12.5°	644.4	657.0	673.2	700.2	713.7	722.4	725.5	729.4	737.3	732.5	732.9
15°	687.6	704.6	732.0	765.6	769.5	780.4	777.8	801.4	812.7	795.7	805.3
17.5°	732.5	755.1	787.8	817.0	833.6	841.0	848.0	870.7	869.8	867.2	869.4
20°	761.2	798.3	838.8	877.7	882.4	888.1	906.9	916.5	914.7	922.1	926.9
22.5°	801.8	841.0	884.2	909.9	920.8	927.4	942.2	948.3	950.9	952.6	949.6
25°	835.8	877.7	909.5	932.1	938.7	942.2	947.0	948.7	947.4	944.4	947.0
27.5°	858.9	892.5	914.3	924.7	921.2	915.6	906.4	900.3	886.8	880.3	888.1
30°	868.5	883.3	889.9	872.4	855.0	841.0	823.6	791.3	766.0	773.4	763.4
32.5°	853.2	843.6	812.3	767.3	753.8	731.2	681.9	644.0	645.3	625.2	633.5
35°	808.3	764.7	705.4	637.4	619.5	607.3	553.3	545.0	527.5	508.8	514.0
37.5°	729.0	665.3	593.4	543.2	516.6	490.1	459.5	441.2	430.8	422.9	429.0
40°	632.2	554.6	495.3	450.4	427.7	410.7	389.8	371.5	359.7	358.4	360.6
42.5°	537.1	471.7	417.2	374.5	367.1	347.0	333.5	319.1	315.7	310.0	313.0
45°	454.7	401.5	356.6	321.8	313.0	307.8	291.2	282.1	278.2	274.7	279.9
47.5°	395.0	339.2	306.5	285.6	276.9	268.1	259.0	252.9	249.8	250.3	249.8
50°	337.5	296.5	267.7	251.6	246.3	240.2	232.8	228.9	227.6	223.7	226.7
52.5°	290.4	260.7	240.7	225.4	221.5	217.1	211.0	208.8	205.8	204.9	204.9
55°	252.4	229.3	213.2	203.2	198.4	194.9	191.4	188.8	186.6	186.6	186.6
57.5°	222.8	202.7	191.0	182.2	180.5	177.0	173.1	173.1	170.0	169.6	170.9
60°	197.5	179.6	170.5	163.1	160.4	159.6	155.6	155.6	154.8	152.6	154.3
62.5°	171.8	158.7	150.9	145.2	142.6	142.6	139.5	137.3	137.3	137.8	136.9
65°	148.2	138.6	131.7	127.3	126.0	124.3	123.8	122.1	120.8	121.2	120.8
67.5°	127.3	119.9	115.1	111.6	109.4	108.6	107.3	107.3	106.4	106.8	104.6
70°	108.6	101.1	97.2	93.7	92.9	92.9	91.1	91.6	90.7	92.0	91.1
72.5°	89.4	83.7	80.7	79.4	78.5	78.0	77.2	76.3	75.9	76.7	76.3
75°	72.4	67.6	65.4	64.5	63.7	63.7	63.2	62.8	62.3	62.3	62.3
77.5°	56.2	53.2	50.6	51.4	50.1	50.6	49.3	49.3	49.7	49.3	49.3
80°	41.4	39.2	39.2	38.4	36.6	37.5	37.5	36.2	35.8	36.6	35.3
82.5°	27.5	27.0	26.2	25.7	24.9	25.3	24.9	24.4	24.0	24.9	24.0
85°	16.1	16.1	15.7	14.8	15.7	15.3	14.8	14.8	14.4	14.4	14.4
87.5°	8.3	7.4	7.4	7.0	7.4	6.5	7.0	6.5	6.1	6.5	6.1
90°	13.7	14.2	14.7	15.2	15.4	15.5	15.8	16.0	16.3	16.5	16.3
92.5°	23.5	23.8	24.2	24.5	24.7	24.6	24.3	24.1	23.8	23.6	23.8
95°	41.2	41.7	42.2	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9
97.5°	60.0	60.6	61.2	61.8	62.1	62.0	61.9	61.8	61.7	61.6	61.7
100°	81.2	81.5	81.9	82.2	82.4	82.5	82.8	83.0	83.3	83.5	83.3
102.5°	105.4	105.7	106.1	106.4	106.6	106.5	106.4	106.3	106.2	106.1	106.2
105°	129.7	129.7	129.7	129.7	129.7	129.8	130.1	130.3	130.6	130.8	130.6
107.5°	155.4	155.7	156.1	156.4	156.6	156.5	156.4	156.3	156.2	156.1	156.2
110°	181.3	181.8	182.3	182.8	183.0	182.9	182.6	182.4	182.1	181.9	182.1

TEST NUMBER: P1011626

CATALOG NUMBER: S123DIP-B340D585UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	207.2	207.8	208.5	209.1	209.4	209.4	209.4	209.4	209.4	209.4	209.4
115°	234.2	234.4	234.5	234.6	234.7	234.6	234.5	234.4	234.2	234.1	234.2
117.5°	261.1	261.1	261.1	261.1	261.1	260.9	260.5	260.2	259.8	259.4	259.8
120°	287.9	287.7	287.6	287.5	287.4	287.3	287.0	286.8	286.5	286.3	286.5
122.5°	315.1	314.7	314.4	314.0	313.8	313.6	313.3	312.9	312.6	312.2	312.6
125°	341.9	341.4	340.9	340.4	340.2	340.0	339.5	339.0	338.5	338.0	338.5
127.5°	368.6	367.8	367.1	366.4	366.0	365.8	365.3	364.8	364.3	363.8	364.3
130°	394.7	394.2	393.7	393.2	393.0	392.6	391.7	390.8	390.0	389.1	390.0
132.5°	420.4	419.8	419.1	418.5	418.2	417.9	417.3	416.7	416.1	415.5	416.1
135°	445.8	445.3	444.8	444.3	444.1	444.0	443.7	443.5	443.2	443.0	443.2
137.5°	470.9	470.3	469.7	469.1	468.8	468.6	468.2	467.9	467.5	467.1	467.5
140°	495.1	494.9	494.8	494.7	494.6	494.2	493.3	492.5	491.6	490.8	491.6
142.5°	518.2	518.0	517.9	517.8	517.7	517.4	516.8	516.2	515.6	515.0	515.6
145°	540.7	540.5	540.4	540.3	540.2	540.0	539.5	539.0	538.5	538.0	538.5
147.5°	562.2	562.2	562.2	562.2	562.2	561.8	561.1	560.4	559.6	558.9	559.6
150°	582.0	582.0	582.0	582.0	582.0	581.6	580.9	580.2	579.4	578.7	579.4
152.5°	599.8	600.1	600.3	600.6	600.7	600.4	599.8	599.1	598.5	597.9	598.5
155°	617.1	617.6	618.1	618.6	618.8	618.4	617.5	616.7	615.8	615.0	615.8
157.5°	632.5	633.0	633.5	634.0	634.2	633.8	633.1	632.4	631.6	630.9	631.6
160°	646.4	647.0	647.6	648.2	648.5	648.3	647.8	647.3	646.8	646.3	646.8
162.5°	659.6	660.2	660.8	661.4	661.7	661.3	660.4	659.6	658.7	657.9	658.7
165°	670.1	670.9	671.6	672.3	672.7	672.3	671.4	670.5	669.7	668.8	669.7
167.5°	679.4	680.2	680.9	681.6	682.0	681.6	680.9	680.2	679.4	678.7	679.4
170°	686.7	687.6	688.4	689.3	689.7	689.3	688.4	687.6	686.7	685.9	686.7
172.5°	692.6	693.4	694.1	694.8	695.2	694.8	693.9	693.1	692.2	691.4	692.2
175°	696.5	697.3	698.0	698.7	699.1	698.7	697.8	696.9	696.1	695.2	696.1
177.5°	698.7	699.5	700.2	700.9	701.3	700.9	700.0	699.1	698.3	697.4	698.3
180°	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6

TEST NUMBER: P1011626

CATALOG NUMBER: S123DIP-B340D585UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9
2.5°	482.2	483.5	480.0	479.2	479.2	480.9	479.6	467.8	470.0	467.4	466.5
5°	535.4	532.8	529.3	527.5	525.4	519.3	518.8	505.3	502.7	494.0	490.1
7.5°	593.8	591.6	581.2	579.9	579.0	573.3	558.9	544.6	534.1	524.1	514.5
10°	660.5	654.0	649.2	639.6	634.8	627.0	608.2	594.7	576.8	561.6	541.5
12.5°	740.7	733.3	717.2	710.2	704.1	682.3	663.6	648.3	613.4	603.0	578.1
15°	799.6	783.9	782.2	766.9	766.0	742.1	706.3	689.7	662.7	624.3	598.6
17.5°	863.3	849.3	838.4	820.1	817.5	794.8	768.7	728.1	698.5	661.8	629.1
20°	909.9	902.5	883.8	876.3	861.1	841.9	814.9	764.7	728.5	691.9	651.8
22.5°	947.0	939.6	924.7	914.7	906.0	881.1	848.9	806.1	756.4	708.5	667.1
25°	946.5	944.4	938.3	933.5	926.9	908.6	881.6	840.6	785.2	732.5	674.9
27.5°	892.9	899.0	909.5	914.7	913.4	910.8	895.5	861.1	811.4	748.6	684.1
30°	781.3	803.5	823.2	849.3	857.2	876.3	885.1	865.4	825.8	767.3	695.8
32.5°	647.9	680.1	722.9	737.3	762.1	799.2	840.6	848.0	823.2	778.2	703.3
35°	531.5	558.1	591.2	613.9	636.1	696.3	748.6	793.9	802.2	772.6	701.5
37.5°	439.9	458.7	487.9	507.1	527.5	579.0	652.2	711.1	752.5	753.4	696.7
40°	373.6	381.9	407.2	421.2	440.8	485.3	550.7	627.4	688.0	715.9	684.1
42.5°	316.5	327.4	348.4	358.8	371.5	410.3	453.4	526.2	601.2	661.0	660.5
45°	282.5	290.4	300.0	308.7	323.1	346.2	395.4	449.9	521.9	589.5	616.1
47.5°	252.4	259.9	269.4	272.1	281.7	303.4	333.5	381.1	448.2	515.3	565.5
50°	227.2	233.3	239.8	244.6	249.0	266.8	289.5	329.6	383.2	448.2	510.5
52.5°	207.5	211.9	217.6	220.2	224.1	237.2	254.6	284.3	328.3	387.6	448.2
55°	189.2	192.3	195.8	200.1	201.9	211.5	225.0	250.3	283.0	336.1	393.7
57.5°	172.2	173.5	175.7	178.3	180.5	188.8	200.6	217.6	246.3	287.3	341.8
60°	153.0	156.5	157.8	160.4	161.8	168.3	177.4	191.8	214.1	249.4	290.4
62.5°	136.9	139.1	141.3	142.6	145.6	147.8	155.2	168.3	186.6	212.8	249.8
65°	122.5	123.4	124.7	126.0	126.9	129.5	136.5	145.2	159.1	182.2	211.0
67.5°	105.9	106.8	108.6	109.0	109.9	113.4	117.3	124.7	136.5	153.9	177.4
70°	89.8	91.1	92.0	92.9	94.2	95.5	99.8	105.9	115.1	127.3	145.6
72.5°	75.9	77.2	77.2	78.0	77.6	79.4	83.7	88.1	94.2	104.2	120.3
75°	61.9	61.9	62.8	63.2	63.7	65.4	67.1	70.6	75.4	83.3	93.3
77.5°	48.8	48.4	49.3	49.3	49.3	50.6	52.3	54.1	57.1	62.8	70.6
80°	35.8	35.8	36.6	37.1	36.2	36.6	37.5	39.2	41.4	45.3	49.7
82.5°	23.5	25.3	24.9	25.3	24.9	25.7	26.2	26.6	27.5	29.2	32.3
85°	14.4	14.4	14.4	14.8	14.4	14.8	14.8	14.8	15.3	16.1	17.4
87.5°	6.1	6.1	6.1	6.5	6.1	6.1	6.5	6.1	6.5	6.5	7.0
90°	16.0	15.8	15.5	15.4	15.2	14.7	14.2	13.7	13.2	11.6	10.0
92.5°	24.1	24.3	24.6	24.7	24.5	24.2	23.8	23.5	23.1	22.4	21.6
95°	42.9	42.9	42.9	42.9	42.7	42.2	41.7	41.2	40.7	39.7	38.7
97.5°	61.8	61.9	62.0	62.1	61.8	61.2	60.6	60.0	59.4	58.7	57.9
100°	83.0	82.8	82.5	82.4	82.2	81.9	81.5	81.2	80.8	80.2	79.6
102.5°	106.3	106.4	106.5	106.6	106.4	106.1	105.7	105.4	105.0	104.1	103.3
105°	130.3	130.1	129.8	129.7	129.7	129.7	129.7	129.7	129.7	128.6	127.5
107.5°	156.3	156.4	156.5	156.6	156.4	156.1	155.7	155.4	155.0	154.5	154.0
110°	182.4	182.6	182.9	183.0	182.8	182.3	181.8	181.3	180.8	180.6	180.3

TEST NUMBER: P1011626

CATALOG NUMBER: S123DIP-B340D585UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	209.4	209.4	209.4	209.4	209.1	208.5	207.8	207.2	206.6	206.6	206.6
115°	234.4	234.5	234.6	234.7	234.6	234.5	234.4	234.2	234.1	234.3	234.6
117.5°	260.2	260.5	260.9	261.1	261.1	261.1	261.1	261.1	261.1	261.3	261.6
120°	286.8	287.0	287.3	287.4	287.5	287.6	287.7	287.9	288.0	288.6	289.2
122.5°	312.9	313.3	313.6	313.8	314.0	314.4	314.7	315.1	315.5	315.7	316.0
125°	339.0	339.5	340.0	340.2	340.4	340.9	341.4	341.9	342.4	342.6	342.9
127.5°	364.8	365.3	365.8	366.0	366.4	367.1	367.8	368.6	369.3	369.5	369.8
130°	390.8	391.7	392.6	393.0	393.2	393.7	394.2	394.7	395.2	395.6	395.9
132.5°	416.7	417.3	417.9	418.2	418.5	419.1	419.8	420.4	421.0	421.2	421.5
135°	443.5	443.7	444.0	444.1	444.3	444.8	445.3	445.8	446.3	446.4	446.5
137.5°	467.9	468.2	468.6	468.8	469.1	469.7	470.3	470.9	471.5	471.1	470.8
140°	492.5	493.3	494.2	494.6	494.7	494.8	494.9	495.1	495.2	495.1	494.9
142.5°	516.2	516.8	517.4	517.7	517.8	517.9	518.0	518.2	518.3	518.1	517.8
145°	539.0	539.5	540.0	540.2	540.3	540.4	540.5	540.7	540.8	540.4	540.0
147.5°	560.4	561.1	561.8	562.2	562.2	562.2	562.2	562.2	562.2	561.8	561.5
150°	580.2	580.9	581.6	582.0	582.0	582.0	582.0	582.0	582.0	581.8	581.5
152.5°	599.1	599.8	600.4	600.7	600.6	600.3	600.1	599.8	599.6	599.5	599.3
155°	616.7	617.5	618.4	618.8	618.6	618.1	617.6	617.1	616.6	616.5	616.4
157.5°	632.4	633.1	633.8	634.2	634.0	633.5	633.0	632.5	632.0	631.9	631.8
160°	647.3	647.8	648.3	648.5	648.2	647.6	647.0	646.4	645.8	645.8	645.8
162.5°	659.6	660.4	661.3	661.7	661.4	660.8	660.2	659.6	659.0	658.9	658.7
165°	670.5	671.4	672.3	672.7	672.3	671.6	670.9	670.1	669.4	669.4	669.4
167.5°	680.2	680.9	681.6	682.0	681.6	680.9	680.2	679.4	678.7	678.6	678.5
170°	687.6	688.4	689.3	689.7	689.3	688.4	687.6	686.7	685.9	685.9	685.9
172.5°	693.1	693.9	694.8	695.2	694.8	694.1	693.4	692.6	691.9	691.9	691.9
175°	696.9	697.8	698.7	699.1	698.7	698.0	697.3	696.5	695.8	695.8	695.8
177.5°	699.1	700.0	700.9	701.3	700.9	700.2	699.5	698.7	698.0	698.0	698.0
180°	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6

TEST NUMBER: P1011626

CATALOG NUMBER: S123DIP-B340D585UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9
2.5°	462.2	460.8	460.8	460.0	457.4	452.6	452.1	453.0	450.4	447.8	443.8
5°	484.8	476.5	473.9	471.3	466.1	457.4	453.9	450.8	446.0	440.4	434.2
7.5°	504.0	492.2	488.7	484.0	473.5	461.3	453.4	446.9	440.4	432.5	425.1
10°	528.0	511.0	502.7	495.7	481.3	464.3	452.6	443.0	432.5	422.9	413.3
12.5°	555.0	527.5	524.9	507.9	491.4	466.1	451.7	437.7	423.8	412.0	402.0
15°	577.7	547.6	536.7	525.4	493.5	462.2	448.2	432.5	416.4	403.7	388.9
17.5°	592.1	567.2	544.1	528.9	495.7	467.8	440.8	422.9	405.9	388.5	376.3
20°	609.5	573.3	553.3	532.8	500.1	463.5	436.4	414.2	393.3	377.6	362.7
22.5°	627.0	578.1	561.6	539.3	501.0	459.1	428.6	406.3	382.4	366.7	350.5
25°	625.2	585.1	557.6	538.9	492.2	455.2	419.4	393.3	371.0	351.0	334.8
27.5°	626.5	577.3	549.3	527.5	486.1	449.5	409.8	382.4	359.3	338.3	321.3
30°	627.0	565.5	541.1	514.9	474.8	436.0	398.9	371.0	346.6	323.9	308.7
32.5°	625.6	555.9	525.4	501.8	456.9	422.9	386.3	356.6	331.8	310.9	296.5
35°	622.6	544.6	509.2	479.6	438.6	404.2	374.5	344.0	317.4	298.2	281.7
37.5°	614.3	532.3	492.2	463.0	417.2	382.4	356.2	330.9	305.2	282.5	268.6
40°	608.2	515.8	475.2	443.4	394.1	360.1	338.3	314.3	289.1	268.6	255.1
42.5°	594.3	500.1	457.8	419.9	371.5	336.6	316.1	296.9	275.1	255.1	242.8
45°	571.6	483.1	436.4	398.1	346.6	313.5	294.7	279.0	259.9	240.7	228.5
47.5°	539.8	458.7	413.8	375.4	322.2	288.6	269.9	258.1	242.8	226.7	216.3
50°	505.3	432.1	390.6	352.7	298.7	266.0	247.6	236.7	226.7	211.9	201.9
52.5°	460.4	403.7	364.1	327.9	273.4	242.0	225.8	218.0	207.5	197.1	188.3
55°	416.8	367.1	334.4	300.0	248.5	219.3	203.6	195.3	189.2	180.5	173.5
57.5°	366.2	333.1	303.0	271.6	225.4	198.8	184.0	174.0	170.0	166.1	159.6
60°	319.6	294.3	269.9	243.7	201.4	177.4	163.1	155.2	151.3	148.7	144.3
62.5°	276.9	257.2	236.3	215.4	177.0	155.2	144.3	136.5	133.0	132.5	128.6
65°	235.9	221.9	204.9	184.4	154.3	135.2	124.7	119.9	116.0	116.0	112.9
67.5°	194.9	185.3	171.8	157.4	133.8	116.0	106.4	102.0	99.8	99.8	97.7
70°	162.2	155.6	143.4	130.8	110.3	96.8	89.4	85.5	84.1	84.6	82.8
72.5°	131.7	124.7	114.7	105.5	90.3	80.2	75.0	70.6	68.5	68.9	68.5
75°	102.0	98.5	89.8	82.8	70.6	63.7	58.9	56.7	54.9	55.4	54.5
77.5°	76.7	71.5	66.7	61.9	54.5	48.8	44.9	42.7	41.4	41.4	41.4
80°	52.3	51.4	47.5	44.9	38.8	34.4	31.4	31.0	29.6	29.6	29.6
82.5°	34.0	31.8	29.6	27.9	24.4	21.8	20.5	19.6	19.2	18.7	19.6
85°	18.7	17.4	16.6	14.8	13.5	12.2	10.9	10.5	10.0	10.5	10.0
87.5°	7.4	6.1	6.1	5.7	5.2	4.8	4.8	3.9	3.9	3.5	3.5
90°	8.4	6.8	6.0	5.4	4.2	2.9	1.7	0.5	1.7	2.9	4.2
92.5°	20.9	20.2	19.8	19.4	18.7	18.0	17.2	16.5	17.2	18.0	18.7
95°	37.8	36.8	36.3	35.9	35.0	34.1	33.3	32.4	33.3	34.1	35.0
97.5°	57.2	56.5	56.1	55.8	55.2	54.5	53.9	53.3	53.9	54.5	55.2
100°	78.9	78.3	78.0	77.6	76.9	76.2	75.4	74.7	75.4	76.2	76.9
102.5°	102.4	101.5	101.1	100.9	100.6	100.2	99.9	99.5	99.9	100.2	100.6
105°	126.4	125.3	124.8	124.7	124.4	124.2	123.9	123.7	123.9	124.2	124.4
107.5°	153.5	153.0	152.8	152.7	152.6	152.5	152.3	152.2	152.3	152.5	152.6
110°	180.1	179.8	179.7	179.6	179.3	179.1	178.8	178.6	178.8	179.1	179.3

TEST NUMBER: P1011626

CATALOG NUMBER: S123DIP-B340D585UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	206.6	206.6	206.6	206.5	206.4	206.3	206.2	206.1	206.2	206.3	206.4
115°	234.8	235.1	235.2	235.0	234.7	234.3	234.0	233.6	234.0	234.3	234.7
117.5°	261.8	262.1	262.2	262.1	262.0	261.9	261.7	261.6	261.7	261.9	262.0
120°	289.8	290.4	290.7	290.3	289.6	288.9	288.1	287.4	288.1	288.9	289.6
122.5°	316.2	316.5	316.6	316.4	315.9	315.4	314.9	314.4	314.9	315.4	315.9
125°	343.1	343.4	343.5	343.3	342.9	342.6	342.2	341.8	342.2	342.6	342.9
127.5°	370.0	370.3	370.4	370.0	369.3	368.6	367.8	367.1	367.8	368.6	369.3
130°	396.3	396.6	396.8	396.3	395.3	394.4	393.4	392.4	393.4	394.4	395.3
132.5°	421.7	422.0	422.1	421.6	420.6	419.7	418.7	417.7	418.7	419.7	420.6
135°	446.6	446.7	446.8	446.4	445.7	445.0	444.2	443.5	444.2	445.0	445.7
137.5°	470.4	470.1	469.9	469.6	469.0	468.3	467.7	467.1	467.7	468.3	469.0
140°	494.8	494.7	494.6	494.3	493.7	493.1	492.5	491.9	492.5	493.1	493.7
142.5°	517.6	517.3	517.2	516.9	516.3	515.6	515.0	514.4	515.0	515.6	516.3
145°	539.7	539.3	539.1	539.0	538.7	538.5	538.2	538.0	538.2	538.5	538.7
147.5°	561.1	560.8	560.6	560.4	559.9	559.4	558.9	558.4	558.9	559.4	559.9
150°	581.3	581.0	580.9	580.8	580.5	580.3	580.0	579.8	580.0	580.3	580.5
152.5°	599.2	599.1	599.0	598.8	598.5	598.1	597.8	597.4	597.8	598.1	598.5
155°	616.3	616.2	616.1	616.1	616.1	616.1	616.1	616.1	616.1	616.1	616.1
157.5°	631.7	631.6	631.5	631.6	631.7	631.8	631.9	632.0	631.9	631.8	631.7
160°	645.8	645.8	645.8	645.9	646.2	646.4	646.7	646.9	646.7	646.4	646.2
162.5°	658.6	658.5	658.4	658.6	659.0	659.3	659.7	660.1	659.7	659.3	659.0
165°	669.4	669.4	669.4	669.6	669.9	670.3	670.6	671.0	670.6	670.3	669.9
167.5°	678.4	678.3	678.2	678.4	678.9	679.4	679.9	680.4	679.9	679.4	678.9
170°	685.9	685.9	685.9	686.1	686.6	687.1	687.6	688.1	687.6	687.1	686.6
172.5°	691.9	691.9	691.9	692.1	692.6	693.1	693.6	694.1	693.6	693.1	692.6
175°	695.8	695.8	695.8	696.0	696.5	697.0	697.5	698.0	697.5	697.0	696.5
177.5°	698.0	698.0	698.0	698.2	698.7	699.2	699.7	700.2	699.7	699.2	698.7
180°	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6

TEST NUMBER: P1011626

CATALOG NUMBER: S123DIP-B340D585UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9
2.5°	443.0	442.5	443.4	440.8	436.4	434.2	428.1	426.8	426.4	426.8	427.3
5°	430.8	430.3	429.0	424.7	419.4	415.5	408.1	407.7	405.0	402.4	403.7
7.5°	419.0	417.2	414.6	409.0	402.0	397.6	391.5	387.2	383.7	381.5	379.7
10°	407.2	404.6	402.0	394.6	385.9	379.3	371.9	368.4	364.5	362.7	361.0
12.5°	392.0	389.3	384.5	375.8	370.6	362.3	354.9	351.4	349.2	345.7	343.6
15°	379.7	374.5	371.9	362.7	351.8	351.0	337.5	336.6	332.2	332.2	328.7
17.5°	365.8	361.9	357.1	347.9	340.1	332.2	325.2	322.6	318.7	317.8	316.1
20°	352.3	347.0	345.3	336.1	327.9	318.3	310.9	308.2	306.5	304.8	306.1
22.5°	338.3	334.0	329.6	321.3	315.2	305.6	301.3	298.7	296.0	295.2	295.6
25°	324.8	320.9	316.5	308.2	301.7	293.9	289.9	288.6	287.3	287.3	286.9
27.5°	311.7	307.8	303.9	296.5	289.9	284.3	281.2	279.9	278.6	279.5	280.3
30°	298.2	294.7	291.2	284.7	279.5	274.2	272.5	271.6	271.2	273.4	273.4
32.5°	286.0	283.0	280.3	274.2	269.0	264.6	263.3	263.8	264.2	265.5	266.4
35°	273.4	271.2	268.6	263.3	259.0	255.1	255.5	255.5	256.4	258.5	260.3
37.5°	262.0	259.0	256.8	252.4	249.0	245.5	246.8	248.1	249.0	251.6	252.4
40°	248.5	247.2	245.5	241.1	238.1	237.6	238.1	238.9	240.7	242.0	243.3
42.5°	237.6	235.9	233.7	230.2	227.6	228.0	228.5	229.3	230.2	232.4	233.7
45°	225.4	224.1	222.4	219.3	217.1	217.6	218.0	218.0	218.9	221.5	222.4
47.5°	211.9	212.3	210.1	207.1	205.8	205.8	205.8	206.7	208.8	209.7	210.1
50°	198.8	197.9	197.5	194.5	193.6	193.1	193.6	194.0	197.1	196.6	197.9
52.5°	184.9	184.9	184.4	182.7	181.4	181.4	180.5	182.7	183.6	184.4	185.7
55°	171.3	170.0	169.6	168.7	167.0	166.5	167.4	170.0	170.9	171.8	173.1
57.5°	156.5	156.5	155.6	154.3	154.3	154.3	154.3	156.1	157.4	158.3	160.9
60°	143.0	141.3	140.0	140.0	140.0	139.5	142.1	142.1	144.7	145.2	146.1
62.5°	126.9	126.0	125.1	125.6	125.1	126.0	126.9	128.6	129.1	130.4	131.7
65°	111.6	111.6	110.7	113.4	111.6	111.6	113.8	113.8	114.7	116.0	117.7
67.5°	96.8	97.2	96.4	96.4	97.2	97.7	98.1	99.8	100.3	102.0	104.2
70°	81.5	82.4	82.8	82.0	82.8	83.7	84.6	85.0	86.8	87.6	88.9
72.5°	68.0	68.9	67.6	68.0	68.5	69.3	69.8	70.6	71.5	74.1	75.0
75°	54.5	54.1	53.6	55.4	54.5	56.2	56.7	56.7	57.6	59.7	60.6
77.5°	41.9	41.9	42.3	41.4	42.7	42.3	42.7	44.0	45.3	45.3	48.8
80°	29.2	30.1	30.1	30.1	30.5	31.0	30.1	32.3	32.7	32.7	34.0
82.5°	18.7	19.2	18.7	19.6	19.6	20.5	20.1	20.5	21.4	22.2	22.7
85°	10.0	10.0	10.9	10.9	10.5	10.9	10.5	10.9	11.8	11.8	12.2
87.5°	3.5	3.5	3.5	3.5	3.9	3.5	3.9	3.9	3.5	3.5	4.8
90°	5.4	6.0	6.8	8.4	10.0	11.6	13.2	13.7	14.2	14.7	15.2
92.5°	19.4	19.8	20.2	20.9	21.6	22.4	23.1	23.5	23.8	24.2	24.5
95°	35.9	36.3	36.8	37.8	38.7	39.7	40.7	41.2	41.7	42.2	42.7
97.5°	55.8	56.1	56.5	57.2	57.9	58.7	59.4	60.0	60.6	61.2	61.8
100°	77.6	78.0	78.3	78.9	79.6	80.2	80.8	81.2	81.5	81.9	82.2
102.5°	100.9	101.1	101.5	102.4	103.3	104.1	105.0	105.4	105.7	106.1	106.4
105°	124.7	124.8	125.3	126.4	127.5	128.6	129.7	129.7	129.7	129.7	129.7
107.5°	152.7	152.8	153.0	153.5	154.0	154.5	155.0	155.4	155.7	156.1	156.4
110°	179.6	179.7	179.8	180.1	180.3	180.6	180.8	181.3	181.8	182.3	182.8

TEST NUMBER: P1011626

CATALOG NUMBER: S123DIP-B340D585UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	206.5	206.6	206.6	206.6	206.6	206.6	206.6	207.2	207.8	208.5	209.1
115°	235.0	235.2	235.1	234.8	234.6	234.3	234.1	234.2	234.4	234.5	234.6
117.5°	262.1	262.2	262.1	261.8	261.6	261.3	261.1	261.1	261.1	261.1	261.1
120°	290.3	290.7	290.4	289.8	289.2	288.6	288.0	287.9	287.7	287.6	287.5
122.5°	316.4	316.6	316.5	316.2	316.0	315.7	315.5	315.1	314.7	314.4	314.0
125°	343.3	343.5	343.4	343.1	342.9	342.6	342.4	341.9	341.4	340.9	340.4
127.5°	370.0	370.4	370.3	370.0	369.8	369.5	369.3	368.6	367.8	367.1	366.4
130°	396.3	396.8	396.6	396.3	395.9	395.6	395.2	394.7	394.2	393.7	393.2
132.5°	421.6	422.1	422.0	421.7	421.5	421.2	421.0	420.4	419.8	419.1	418.5
135°	446.4	446.8	446.7	446.6	446.5	446.4	446.3	445.8	445.3	444.8	444.3
137.5°	469.6	469.9	470.1	470.4	470.8	471.1	471.5	470.9	470.3	469.7	469.1
140°	494.3	494.6	494.7	494.8	494.9	495.1	495.2	495.1	494.9	494.8	494.7
142.5°	516.9	517.2	517.3	517.6	517.8	518.1	518.3	518.2	518.0	517.9	517.8
145°	539.0	539.1	539.3	539.7	540.0	540.4	540.8	540.7	540.5	540.4	540.3
147.5°	560.4	560.6	560.8	561.1	561.5	561.8	562.2	562.2	562.2	562.2	562.2
150°	580.8	580.9	581.0	581.3	581.5	581.8	582.0	582.0	582.0	582.0	582.0
152.5°	598.8	599.0	599.1	599.2	599.3	599.5	599.6	599.8	600.1	600.3	600.6
155°	616.1	616.1	616.2	616.3	616.4	616.5	616.6	617.1	617.6	618.1	618.6
157.5°	631.6	631.5	631.6	631.7	631.8	631.9	632.0	632.5	633.0	633.5	634.0
160°	645.9	645.8	645.8	645.8	645.8	645.8	645.8	646.4	647.0	647.6	648.2
162.5°	658.6	658.4	658.5	658.6	658.7	658.9	659.0	659.6	660.2	660.8	661.4
165°	669.6	669.4	669.4	669.4	669.4	669.4	669.4	670.1	670.9	671.6	672.3
167.5°	678.4	678.2	678.3	678.4	678.5	678.6	678.7	679.4	680.2	680.9	681.6
170°	686.1	685.9	685.9	685.9	685.9	685.9	685.9	686.7	687.6	688.4	689.3
172.5°	692.1	691.9	691.9	691.9	691.9	691.9	691.9	692.6	693.4	694.1	694.8
175°	696.0	695.8	695.8	695.8	695.8	695.8	695.8	696.5	697.3	698.0	698.7
177.5°	698.2	698.0	698.0	698.0	698.0	698.0	698.0	698.7	699.5	700.2	700.9
180°	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6

TEST NUMBER: P1011626

CATALOG NUMBER: S123DIP-B340D585UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9
2.5°	426.8	427.3	425.5	424.2	427.7	425.5	425.5	426.0	425.1	426.4	426.0
5°	402.9	403.3	400.2	401.1	399.4	398.9	398.5	401.1	400.7	400.2	401.1
7.5°	379.3	379.3	378.0	377.1	377.1	375.8	377.6	377.1	378.0	378.0	379.3
10°	359.7	360.6	358.4	356.2	355.8	356.2	356.2	356.6	357.1	360.1	359.7
12.5°	343.6	342.3	341.8	340.5	338.3	337.5	336.6	341.4	340.1	340.1	340.1
15°	325.7	328.7	328.3	324.4	323.5	325.2	324.4	324.4	328.7	328.3	327.9
17.5°	316.1	315.2	314.3	312.2	312.6	312.2	312.6	312.6	315.2	315.2	315.2
20°	305.2	303.4	303.4	302.6	302.6	301.3	303.0	303.4	305.2	305.2	305.6
22.5°	295.6	294.3	294.3	293.9	294.7	293.0	294.7	295.2	295.2	296.5	296.5
25°	287.3	286.4	286.4	287.3	287.3	287.3	287.3	289.1	287.8	288.2	287.8
27.5°	279.9	280.3	280.8	281.2	280.8	281.2	281.7	282.5	283.0	282.5	281.7
30°	272.9	274.2	274.7	274.7	275.5	276.0	276.4	276.4	276.9	275.5	276.4
32.5°	267.7	267.7	268.6	269.0	269.9	270.3	270.3	271.2	270.8	269.4	269.9
35°	260.3	260.3	262.0	262.9	264.2	263.8	264.2	264.2	264.6	263.8	262.5
37.5°	252.9	253.7	253.7	255.5	255.9	256.4	255.9	256.8	256.4	255.5	255.1
40°	244.2	243.7	244.2	245.5	245.9	245.9	245.9	246.8	246.8	246.8	246.3
42.5°	233.3	234.6	234.1	235.4	235.0	235.0	235.9	236.7	237.2	235.9	236.3
45°	222.8	222.8	223.7	223.7	224.1	224.1	225.8	225.0	225.8	225.0	225.4
47.5°	211.5	211.9	211.9	212.3	213.2	214.1	213.2	213.6	213.6	214.1	213.2
50°	198.8	198.8	199.7	201.0	202.7	201.9	201.4	203.2	201.9	201.9	201.0
52.5°	185.7	187.0	187.5	188.8	190.1	190.5	191.0	190.1	190.5	189.2	189.7
55°	173.1	173.5	175.3	176.6	177.9	177.9	177.4	177.9	178.3	176.6	176.6
57.5°	160.4	161.8	163.5	163.5	165.2	165.2	164.8	164.8	165.2	163.9	163.5
60°	146.9	148.2	150.4	150.4	153.0	153.5	152.6	151.7	151.7	150.4	150.9
62.5°	132.5	133.8	135.2	137.3	139.1	138.2	140.0	138.2	138.6	136.0	136.0
65°	119.9	120.3	122.5	124.7	124.7	125.6	124.7	125.1	123.8	123.8	122.1
67.5°	105.1	105.1	107.3	109.4	111.6	111.6	111.6	110.3	110.3	109.0	109.0
70°	92.0	91.6	93.7	95.0	96.4	96.8	95.9	95.5	94.6	93.3	92.9
72.5°	75.9	76.7	78.9	79.8	82.0	81.5	83.7	81.1	81.1	78.9	78.5
75°	61.5	62.3	64.5	65.8	67.1	67.1	68.5	67.1	65.4	64.5	64.1
77.5°	48.8	48.4	50.1	52.3	52.8	52.3	53.2	52.8	51.0	51.0	50.1
80°	34.9	36.2	37.9	37.5	39.2	38.8	38.8	37.9	37.9	36.6	37.5
82.5°	23.1	24.4	24.9	24.4	24.9	25.7	26.2	25.7	25.7	24.9	25.3
85°	12.2	12.2	13.1	13.5	13.1	13.1	13.5	14.8	14.0	13.1	14.0
87.5°	3.9	3.5	3.5	3.9	3.5	3.5	3.9	3.9	4.4	4.4	4.4
90°	15.4	15.5	15.8	16.0	16.3	16.5	16.3	16.0	15.8	15.5	15.4
92.5°	24.7	24.6	24.3	24.1	23.8	23.6	23.8	24.1	24.3	24.6	24.7
95°	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
97.5°	62.1	62.0	61.9	61.8	61.7	61.6	61.7	61.8	61.9	62.0	62.1
100°	82.4	82.5	82.8	83.0	83.3	83.5	83.3	83.0	82.8	82.5	82.4
102.5°	106.6	106.5	106.4	106.3	106.2	106.1	106.2	106.3	106.4	106.5	106.6
105°	129.7	129.8	130.1	130.3	130.6	130.8	130.6	130.3	130.1	129.8	129.7
107.5°	156.6	156.5	156.4	156.3	156.2	156.1	156.2	156.3	156.4	156.5	156.6
110°	183.0	182.9	182.6	182.4	182.1	181.9	182.1	182.4	182.6	182.9	183.0



TEST NUMBER: P1011626

CATALOG NUMBER: S123DIP-B340D585UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	209.4	209.4	209.4	209.4	209.4	209.4	209.4	209.4	209.4	209.4	209.4
115°	234.7	234.6	234.5	234.4	234.2	234.1	234.2	234.4	234.5	234.6	234.7
117.5°	261.1	260.9	260.5	260.2	259.8	259.4	259.8	260.2	260.5	260.9	261.1
120°	287.4	287.3	287.0	286.8	286.5	286.3	286.5	286.8	287.0	287.3	287.4
122.5°	313.8	313.6	313.3	312.9	312.6	312.2	312.6	312.9	313.3	313.6	313.8
125°	340.2	340.0	339.5	339.0	338.5	338.0	338.5	339.0	339.5	340.0	340.2
127.5°	366.0	365.8	365.3	364.8	364.3	363.8	364.3	364.8	365.3	365.8	366.0
130°	393.0	392.6	391.7	390.8	390.0	389.1	390.0	390.8	391.7	392.6	393.0
132.5°	418.2	417.9	417.3	416.7	416.1	415.5	416.1	416.7	417.3	417.9	418.2
135°	444.1	444.0	443.7	443.5	443.2	443.0	443.2	443.5	443.7	444.0	444.1
137.5°	468.8	468.6	468.2	467.9	467.5	467.1	467.5	467.9	468.2	468.6	468.8
140°	494.6	494.2	493.3	492.5	491.6	490.8	491.6	492.5	493.3	494.2	494.6
142.5°	517.7	517.4	516.8	516.2	515.6	515.0	515.6	516.2	516.8	517.4	517.7
145°	540.2	540.0	539.5	539.0	538.5	538.0	538.5	539.0	539.5	540.0	540.2
147.5°	562.2	561.8	561.1	560.4	559.6	558.9	559.6	560.4	561.1	561.8	562.2
150°	582.0	581.6	580.9	580.2	579.4	578.7	579.4	580.2	580.9	581.6	582.0
152.5°	600.7	600.4	599.8	599.1	598.5	597.9	598.5	599.1	599.8	600.4	600.7
155°	618.8	618.4	617.5	616.7	615.8	615.0	615.8	616.7	617.5	618.4	618.8
157.5°	634.2	633.8	633.1	632.4	631.6	630.9	631.6	632.4	633.1	633.8	634.2
160°	648.5	648.3	647.8	647.3	646.8	646.3	646.8	647.3	647.8	648.3	648.5
162.5°	661.7	661.3	660.4	659.6	658.7	657.9	658.7	659.6	660.4	661.3	661.7
165°	672.7	672.3	671.4	670.5	669.7	668.8	669.7	670.5	671.4	672.3	672.7
167.5°	682.0	681.6	680.9	680.2	679.4	678.7	679.4	680.2	680.9	681.6	682.0
170°	689.7	689.3	688.4	687.6	686.7	685.9	686.7	687.6	688.4	689.3	689.7
172.5°	695.2	694.8	693.9	693.1	692.2	691.4	692.2	693.1	693.9	694.8	695.2
175°	699.1	698.7	697.8	696.9	696.1	695.2	696.1	696.9	697.8	698.7	699.1
177.5°	701.3	700.9	700.0	699.1	698.3	697.4	698.3	699.1	700.0	700.9	701.3
180°	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6

TEST NUMBER: P1011626

CATALOG NUMBER: S123DIP-B340D585UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9
2.5°	427.3	428.1	428.6	426.8	425.5	427.7	430.8	432.9	434.7	436.9	438.2
5°	402.0	405.0	405.0	405.9	407.2	409.4	415.1	419.0	422.5	425.1	427.3
7.5°	380.6	382.8	384.1	386.3	388.5	391.5	398.1	403.7	409.0	412.0	415.5
10°	361.4	363.2	365.4	366.7	370.6	375.0	383.2	388.0	394.1	398.9	403.3
12.5°	343.1	349.2	350.5	350.1	353.6	358.4	366.7	374.1	380.6	385.4	390.2
15°	330.0	332.2	334.8	334.4	341.8	343.1	350.1	358.8	367.5	370.6	375.0
17.5°	315.7	319.1	321.8	323.1	325.2	330.0	336.6	343.1	354.5	354.9	366.2
20°	304.3	307.8	309.6	311.3	312.6	318.3	323.9	331.4	340.5	345.3	351.4
22.5°	296.9	298.7	300.0	301.3	303.0	306.1	313.0	321.3	327.4	332.7	336.6
25°	288.2	289.9	291.7	292.6	293.9	295.6	300.8	307.4	316.1	319.6	323.5
27.5°	282.1	282.1	283.0	283.0	284.7	286.4	290.4	296.5	303.4	307.8	313.0
30°	275.5	275.1	275.5	275.1	274.7	277.3	280.8	286.0	290.8	296.0	299.5
32.5°	269.0	268.6	268.6	269.0	267.3	268.6	270.3	275.1	280.3	283.0	286.9
35°	262.0	261.2	261.2	261.2	260.3	259.4	261.2	265.5	269.0	272.5	275.5
37.5°	255.1	253.7	253.7	252.9	252.0	250.7	250.7	254.2	259.0	260.3	264.2
40°	245.5	245.5	244.6	244.2	243.3	242.4	241.1	244.2	248.5	249.8	252.9
42.5°	235.9	234.6	234.1	234.1	234.1	232.8	231.9	234.1	236.7	238.9	240.7
45°	225.0	224.1	224.5	224.1	223.2	222.8	222.4	223.2	226.3	227.2	229.3
47.5°	213.2	212.8	212.8	212.3	211.9	212.3	210.6	212.8	213.6	214.5	216.3
50°	201.0	200.6	200.1	199.7	199.7	200.1	199.7	199.7	201.4	202.3	204.0
52.5°	188.8	187.5	187.5	187.0	187.0	186.2	187.0	187.5	188.3	189.2	190.1
55°	175.7	175.7	174.4	174.4	173.5	173.5	174.0	173.5	175.3	176.1	176.1
57.5°	163.1	161.3	161.8	160.9	160.0	159.6	159.6	160.4	161.3	161.3	162.2
60°	149.5	147.8	147.4	145.6	146.5	145.2	145.6	145.6	147.4	146.5	147.4
62.5°	136.0	133.8	132.5	131.7	131.7	132.1	131.2	130.8	131.7	132.5	134.3
65°	121.6	120.3	119.0	117.7	117.7	117.3	118.2	116.8	116.4	116.8	117.7
67.5°	106.8	105.5	104.2	102.9	103.3	102.0	101.1	102.5	101.6	102.0	102.9
70°	92.4	91.6	88.9	88.1	87.6	88.1	87.6	86.8	88.1	87.6	88.1
72.5°	78.0	77.2	75.9	73.7	73.7	73.2	72.8	72.8	72.4	72.4	72.4
75°	64.1	62.3	61.0	60.6	59.7	59.3	58.9	58.0	58.4	58.9	58.0
77.5°	49.7	47.5	47.1	47.1	45.8	45.8	46.2	45.8	45.3	45.3	45.3
80°	36.6	34.9	34.9	34.0	33.1	33.1	33.1	33.1	32.7	32.3	32.7
82.5°	23.5	23.1	22.7	22.7	23.5	21.8	22.7	22.2	21.8	21.8	21.4
85°	13.1	13.5	13.1	13.5	12.6	13.1	13.1	13.1	12.6	13.1	12.2
87.5°	4.8	4.8	4.8	5.2	5.2	5.2	5.2	5.2	5.7	5.2	5.2
90°	15.2	14.7	14.2	13.7	13.2	11.6	10.0	8.4	6.8	6.0	5.4
92.5°	24.5	24.2	23.8	23.5	23.1	22.4	21.6	20.9	20.2	19.8	19.4
95°	42.7	42.2	41.7	41.2	40.7	39.7	38.7	37.8	36.8	36.3	35.9
97.5°	61.8	61.2	60.6	60.0	59.4	58.7	57.9	57.2	56.5	56.1	55.8
100°	82.2	81.9	81.5	81.2	80.8	80.2	79.6	78.9	78.3	78.0	77.6
102.5°	106.4	106.1	105.7	105.4	105.0	104.1	103.3	102.4	101.5	101.1	100.9
105°	129.7	129.7	129.7	129.7	129.7	128.6	127.5	126.4	125.3	124.8	124.7
107.5°	156.4	156.1	155.7	155.4	155.0	154.5	154.0	153.5	153.0	152.8	152.7
110°	182.8	182.3	181.8	181.3	180.8	180.6	180.3	180.1	179.8	179.7	179.6

TEST NUMBER: P1011626

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	209.1	208.5	207.8	207.2	206.6	206.6	206.6	206.6	206.6	206.6	206.5
115°	234.6	234.5	234.4	234.2	234.1	234.3	234.6	234.8	235.1	235.2	235.0
117.5°	261.1	261.1	261.1	261.1	261.1	261.3	261.6	261.8	262.1	262.2	262.1
120°	287.5	287.6	287.7	287.9	288.0	288.6	289.2	289.8	290.4	290.7	290.3
122.5°	314.0	314.4	314.7	315.1	315.5	315.7	316.0	316.2	316.5	316.6	316.4
125°	340.4	340.9	341.4	341.9	342.4	342.6	342.9	343.1	343.4	343.5	343.3
127.5°	366.4	367.1	367.8	368.6	369.3	369.5	369.8	370.0	370.3	370.4	370.0
130°	393.2	393.7	394.2	394.7	395.2	395.6	395.9	396.3	396.6	396.8	396.3
132.5°	418.5	419.1	419.8	420.4	421.0	421.2	421.5	421.7	422.0	422.1	421.6
135°	444.3	444.8	445.3	445.8	446.3	446.4	446.5	446.6	446.7	446.8	446.4
137.5°	469.1	469.7	470.3	470.9	471.5	471.1	470.8	470.4	470.1	469.9	469.6
140°	494.7	494.8	494.9	495.1	495.2	495.1	494.9	494.8	494.7	494.6	494.3
142.5°	517.8	517.9	518.0	518.2	518.3	518.1	517.8	517.6	517.3	517.2	516.9
145°	540.3	540.4	540.5	540.7	540.8	540.4	540.0	539.7	539.3	539.1	539.0
147.5°	562.2	562.2	562.2	562.2	562.2	561.8	561.5	561.1	560.8	560.6	560.4
150°	582.0	582.0	582.0	582.0	582.0	581.8	581.5	581.3	581.0	580.9	580.8
152.5°	600.6	600.3	600.1	599.8	599.6	599.5	599.3	599.2	599.1	599.0	598.8
155°	618.6	618.1	617.6	617.1	616.6	616.5	616.4	616.3	616.2	616.1	616.1
157.5°	634.0	633.5	633.0	632.5	632.0	631.9	631.8	631.7	631.6	631.5	631.6
160°	648.2	647.6	647.0	646.4	645.8	645.8	645.8	645.8	645.8	645.8	645.9
162.5°	661.4	660.8	660.2	659.6	659.0	658.9	658.7	658.6	658.5	658.4	658.6
165°	672.3	671.6	670.9	670.1	669.4	669.4	669.4	669.4	669.4	669.4	669.6
167.5°	681.6	680.9	680.2	679.4	678.7	678.6	678.5	678.4	678.3	678.2	678.4
170°	689.3	688.4	687.6	686.7	685.9	685.9	685.9	685.9	685.9	685.9	686.1
172.5°	694.8	694.1	693.4	692.6	691.9	691.9	691.9	691.9	691.9	691.9	692.1
175°	698.7	698.0	697.3	696.5	695.8	695.8	695.8	695.8	695.8	695.8	696.0
177.5°	700.9	700.2	699.5	698.7	698.0	698.0	698.0	698.0	698.0	698.0	698.2
180°	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6	699.6

TEST NUMBER: P1011626

CATALOG NUMBER: S123DIP-B340D585UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	449.9	449.9	449.9	449.9
2.5°	440.4	441.7	446.0	451.3
5°	431.6	435.1	441.2	449.5
7.5°	422.0	427.3	436.0	446.5
10°	411.1	418.6	429.5	442.5
12.5°	399.4	409.0	422.9	436.4
15°	392.0	401.5	414.2	429.0
17.5°	377.6	388.9	402.0	422.9
20°	362.7	375.4	392.4	413.3
22.5°	351.4	364.9	381.1	403.3
25°	337.9	351.8	369.3	392.4
27.5°	323.5	337.5	357.1	381.5
30°	312.6	326.1	344.9	371.0
32.5°	299.5	312.6	332.2	359.7
35°	284.7	299.5	318.3	346.2
37.5°	273.4	286.9	306.5	333.1
40°	261.2	272.9	292.1	318.3
42.5°	248.1	261.2	277.7	303.9
45°	235.9	245.5	262.5	287.3
47.5°	222.8	233.7	246.8	266.0
50°	208.8	218.0	232.4	245.5
52.5°	195.3	202.7	214.9	225.0
55°	180.9	188.3	197.5	203.6
57.5°	167.4	172.7	178.8	182.7
60°	150.9	156.1	160.0	163.9
62.5°	136.0	140.0	142.1	144.3
65°	120.8	122.9	124.3	126.0
67.5°	104.2	106.4	106.8	109.4
70°	88.9	89.4	90.3	91.6
72.5°	74.6	75.4	75.0	75.9
75°	59.7	60.6	59.7	60.6
77.5°	45.3	46.2	46.2	47.5
80°	32.7	33.1	33.6	33.6
82.5°	21.4	22.7	21.8	22.2
85°	12.2	12.6	12.6	13.1
87.5°	5.7	6.1	5.7	6.5
90°	4.2	2.9	1.7	0.5
92.5°	18.7	18.0	17.2	16.5
95°	35.0	34.1	33.3	32.4
97.5°	55.2	54.5	53.9	53.3
100°	76.9	76.2	75.4	74.7
102.5°	100.6	100.2	99.9	99.5
105°	124.4	124.2	123.9	123.7
107.5°	152.6	152.5	152.3	152.2
110°	179.3	179.1	178.8	178.6

TEST NUMBER: P1011626

CATALOG NUMBER: S123DIP-B340D585UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	206.4	206.3	206.2	206.1
115°	234.7	234.3	234.0	233.6
117.5°	262.0	261.9	261.7	261.6
120°	289.6	288.9	288.1	287.4
122.5°	315.9	315.4	314.9	314.4
125°	342.9	342.6	342.2	341.8
127.5°	369.3	368.6	367.8	367.1
130°	395.3	394.4	393.4	392.4
132.5°	420.6	419.7	418.7	417.7
135°	445.7	445.0	444.2	443.5
137.5°	469.0	468.3	467.7	467.1
140°	493.7	493.1	492.5	491.9
142.5°	516.3	515.6	515.0	514.4
145°	538.7	538.5	538.2	538.0
147.5°	559.9	559.4	558.9	558.4
150°	580.5	580.3	580.0	579.8
152.5°	598.5	598.1	597.8	597.4
155°	616.1	616.1	616.1	616.1
157.5°	631.7	631.8	631.9	632.0
160°	646.2	646.4	646.7	646.9
162.5°	659.0	659.3	659.7	660.1
165°	669.9	670.3	670.6	671.0
167.5°	678.9	679.4	679.9	680.4
170°	686.6	687.1	687.6	688.1
172.5°	692.6	693.1	693.6	694.1
175°	696.5	697.0	697.5	698.0
177.5°	698.7	699.2	699.7	700.2
180°	699.6	699.6	699.6	699.6

(END OF REPORT)