

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: P1011645

Luminaire Tested: S123DIP-B340D805UB30-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1011645
REPORT IS A COMBINATION OF REPORTS P989885 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B340D805UB30-4F0-XX-W2A-A4
Description: Define 3 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

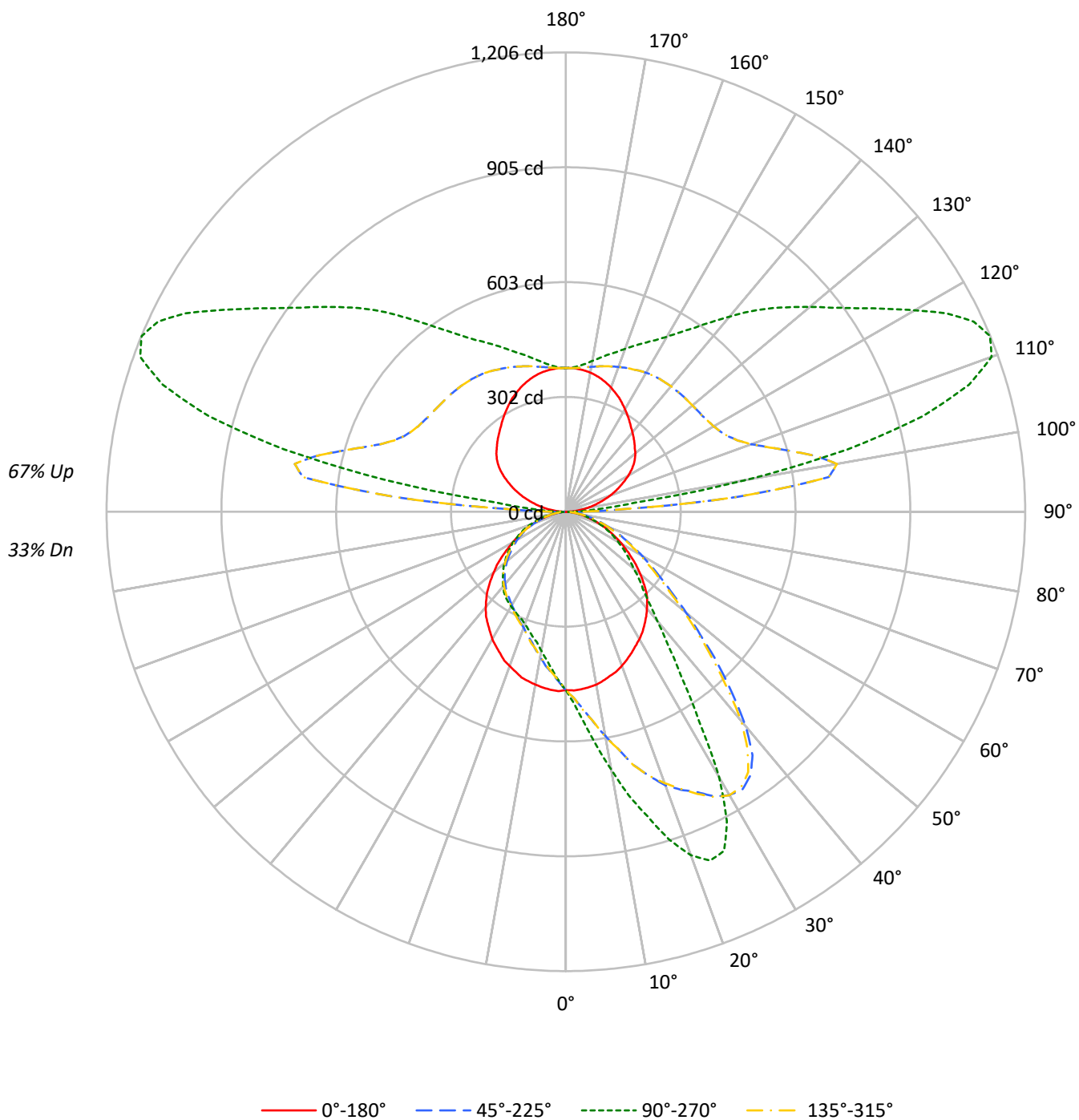
Lumens per Lamp: N/A
Luminaire Lumens: 4252.0 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 34.1
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	93	93	93	93	74	74	74	57	57	57	41	41	41
1	94	90	86	83	85	81	78	75	65	63	61	50	49	47	36	35	35
2	86	79	73	68	77	71	66	62	57	54	51	44	42	40	32	31	29
3	78	69	62	57	70	63	57	52	51	46	43	39	36	34	29	27	25
4	72	61	54	48	64	56	49	44	45	40	36	35	32	29	26	24	22
5	66	55	47	41	59	50	43	38	40	35	31	31	28	25	23	21	19
6	61	49	41	36	54	44	38	33	36	31	27	28	25	22	21	19	17
7	56	44	36	31	50	40	33	29	33	28	24	26	22	19	19	17	15
8	52	40	32	27	47	36	30	25	30	25	21	23	20	17	18	15	13
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12
10	45	33	26	22	40	30	24	20	25	20	17	20	16	14	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5040	5040	5040	5040
5°	5042	5807	5058	4334
10°	5011	7026	5016	3784
15°	4941	8333	4981	3406
20°	4882	9594	4892	3135
25°	4793	9835	4804	2993
30°	4731	8126	4731	2900
35°	4652	5434	4622	2818
40°	4558	3923	4502	2692
45°	4441	3108	4311	2536
50°	4153	2639	4005	2381
55°	3839	2319	3682	2211
60°	3520	2019	3332	2031
65°	3169	1729	3017	1792
70°	2806	1435	2618	1510
75°	2400	1083	2244	1166
80°	1895	723	1748	766
85°	1306	332	1047	301

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 8127 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.0	1.1
10°-20°	147.9	3.5
20°-30°	248.8	5.9
30°-40°	281.2	6.6
40°-50°	251.9	5.9
50°-60°	203.3	4.8
60°-70°	141.7	3.3
70°-80°	74.4	1.7
80°-90°	19.9	0.5
90°-100°	204.7	4.8
100°-110°	599.2	14.1
110°-120°	585.1	13.8
120°-130°	466.0	11.0
130°-140°	367.6	8.6
140°-150°	274.3	6.5
150°-160°	191.2	4.5
160°-170°	112.3	2.6
170°-180°	36.5	0.9
0°-30°	442.8	10.4
0°-40°	724.0	17.0
0°-60°	1179.1	27.7
0°-90°	1415.1	33.3
90°-120°	1388.9	32.7
90°-150°	2496.8	58.7
90°-180°	2837.0	66.7
0°-180°	4252.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	468	468	468	468	468	
5°	468	556	469	415	468	44
15°	446	828	450	338	446	126
25°	408	983	409	299	408	188
35°	360	529	358	274	360	225
45°	299	286	290	233	299	229
55°	212	194	203	185	212	190
65°	131	126	125	131	131	131
75°	63	65	59	70	63	68
85°	14	15	11	14	14	16
90°	2	22	2	22	2	3
95°	26	89	26	89	26	28
105°	89	971	89	971	89	94
115°	156	1181	156	1181	156	155
125°	218	931	218	931	218	193
135°	255	755	255	755	255	197
145°	291	590	291	590	291	182
155°	331	489	331	489	331	152
165°	361	427	361	427	361	102
175°	376	384	376	384	376	36
180°	377	377	377	377	377	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2
2.5°	469.5	473.2	475.0	477.7	480.4	484.5	485.9	488.1	487.2	489.0	489.9
5°	467.7	474.1	479.5	486.3	492.7	497.2	501.7	509.0	514.4	515.3	519.4
7.5°	464.5	473.6	483.1	492.7	504.9	512.2	520.3	530.3	538.5	551.6	556.6
10°	460.5	473.2	486.8	499.9	516.7	528.0	538.0	554.8	571.6	585.2	597.9
12.5°	454.1	470.0	487.7	507.2	529.0	542.1	555.7	577.9	603.4	624.2	637.8
15°	446.4	466.4	489.0	509.9	533.9	558.4	573.0	597.9	634.2	653.7	688.6
17.5°	440.0	460.5	483.1	515.8	548.5	573.0	583.4	629.2	654.2	686.8	726.3
20°	430.1	455.9	485.0	517.6	559.8	574.8	596.1	642.4	673.2	715.9	764.4
22.5°	419.6	447.3	482.2	516.3	563.4	579.3	608.3	645.1	694.1	736.3	789.8
25°	408.3	438.2	473.6	514.0	560.3	583.4	610.6	656.0	709.1	762.1	811.6
27.5°	396.9	429.6	466.4	506.7	551.6	578.9	606.1	653.3	721.3	778.9	842.0
30°	386.1	418.7	455.5	496.7	543.9	570.2	596.1	655.1	730.8	795.7	859.2
32.5°	374.3	407.8	446.4	480.9	528.5	556.6	585.7	655.1	736.7	805.7	863.7
35°	360.2	394.7	427.8	462.3	509.4	540.7	573.4	650.5	742.2	808.9	844.7
37.5°	346.6	377.0	405.6	439.1	488.6	522.2	559.8	645.1	739.4	795.2	805.2
40°	331.2	361.6	384.7	416.0	468.2	507.2	545.3	637.8	727.7	763.0	734.0
42.5°	316.2	340.2	360.2	390.6	447.3	485.4	526.7	624.7	704.5	711.8	646.5
45°	299.0	316.2	333.9	368.4	424.6	463.6	509.4	605.6	667.3	646.5	563.9
47.5°	276.7	292.2	311.7	343.4	400.6	440.9	484.5	581.1	613.3	569.8	479.5
50°	255.4	268.6	286.7	317.6	375.2	414.6	460.9	542.6	558.4	489.9	413.3
52.5°	234.1	244.1	261.8	292.6	350.2	388.3	430.5	503.1	494.0	420.5	352.5
55°	211.9	220.5	237.3	267.7	321.2	357.5	397.9	454.6	431.0	361.1	306.7
57.5°	190.1	199.2	216.4	241.8	292.2	327.5	359.7	404.2	368.8	313.0	264.9
60°	170.6	178.3	191.4	216.4	262.2	290.8	320.3	350.7	321.2	267.2	230.5
62.5°	150.2	157.4	169.7	192.3	231.8	257.2	280.8	305.8	273.1	233.6	201.0
65°	131.1	137.0	148.3	169.2	201.4	222.3	241.3	258.6	232.3	196.0	171.5
67.5°	113.9	118.9	128.4	147.0	174.2	189.2	204.6	219.1	196.9	167.9	147.0
70°	95.3	99.3	108.0	121.6	143.4	158.8	170.1	181.0	161.0	137.9	123.8
72.5°	78.9	83.0	88.5	102.5	117.5	127.0	139.3	145.2	133.8	114.8	100.7
75°	63.1	66.2	71.2	80.3	94.4	100.7	108.4	113.0	102.5	89.8	81.2
77.5°	49.4	50.8	54.4	60.8	70.3	77.6	83.5	86.2	78.9	70.8	63.5
80°	34.9	36.7	39.5	44.9	52.2	54.4	58.1	61.2	56.7	49.4	44.9
82.5°	23.1	25.4	26.8	29.0	33.6	36.3	37.2	39.9	35.8	33.1	31.3
85°	13.6	14.5	15.0	16.3	18.6	20.0	21.3	21.8	20.9	20.4	18.6
87.5°	6.8	6.8	6.8	7.7	8.2	9.1	9.5	9.5	9.5	9.1	8.6
90°	1.5	3.1	4.6	6.9	8.4	9.2	9.9	12.2	14.5	16.8	19.1
92.5°	11.5	16.8	24.4	31.3	38.9	45.8	52.7	77.1	117.6	157.3	142.0
95°	26.0	28.2	36.6	49.6	69.5	84.4	99.2	164.1	277.9	403.1	452.7
97.5°	41.2	42.0	48.9	60.3	80.2	96.6	113.0	177.1	309.2	519.9	696.3
100°	56.5	57.3	62.6	73.3	91.6	106.5	121.4	174.8	287.8	488.6	723.0
102.5°	72.5	74.1	78.6	88.6	104.6	118.0	131.3	177.9	269.5	442.8	673.4
105°	88.6	90.9	95.4	104.6	119.1	131.0	142.8	184.0	262.6	406.9	613.8
107.5°	105.4	107.6	112.2	121.4	135.1	146.2	157.3	193.9	261.1	381.0	561.1
110°	123.7	126.0	129.8	138.2	151.2	161.8	172.5	206.9	264.9	367.2	517.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	140.5	142.8	146.6	155.0	168.0	178.3	188.6	219.9	272.6	359.6	488.6
115°	156.5	159.6	164.1	171.8	184.8	195.1	205.4	234.4	280.9	358.8	469.5
117.5°	172.5	176.4	180.2	187.0	201.6	211.1	220.6	249.6	291.6	359.6	456.5
120°	189.3	191.6	195.4	203.1	217.6	227.2	236.7	264.2	303.9	362.6	448.1
122.5°	203.8	206.1	209.9	218.3	232.1	242.4	252.7	279.4	315.3	368.0	442.8
125°	217.6	219.1	223.7	232.1	246.6	256.9	267.2	293.9	327.5	373.3	438.2
127.5°	228.3	230.6	235.9	244.3	260.3	270.6	280.9	306.9	337.4	379.4	435.9
130°	238.2	240.5	247.4	256.5	272.6	282.9	293.2	318.4	347.4	385.5	433.6
132.5°	245.8	248.9	256.5	268.0	284.0	294.0	303.9	328.3	356.5	390.1	432.9
135°	255.0	258.0	266.4	277.9	293.9	304.2	314.5	338.2	364.2	394.7	432.1
137.5°	263.4	266.4	274.8	287.1	303.1	312.6	322.2	345.1	370.3	397.8	430.6
140°	271.8	275.6	283.2	295.5	310.7	320.2	329.8	351.9	374.9	400.8	429.8
142.5°	280.9	284.0	292.4	303.1	318.4	327.2	335.9	357.3	379.4	403.1	428.3
145°	290.9	293.2	300.0	311.5	324.5	333.2	342.0	361.9	382.5	403.9	426.8
147.5°	300.8	302.3	309.2	319.1	332.1	339.8	347.4	365.7	384.8	403.9	424.5
150°	310.7	311.5	317.6	327.5	338.2	345.0	351.9	369.5	385.5	403.9	421.4
152.5°	320.6	320.6	326.8	335.2	344.3	350.8	357.3	371.8	387.1	401.6	417.6
155°	330.6	330.6	335.2	342.8	351.2	356.5	361.9	374.9	387.1	400.0	413.0
157.5°	338.2	339.0	342.8	349.7	357.3	361.5	365.7	376.4	387.8	397.8	409.2
160°	347.4	347.4	350.4	356.5	361.9	365.7	369.5	378.7	387.8	396.2	404.6
162.5°	354.2	354.2	356.5	361.1	365.7	368.8	371.8	379.4	387.1	393.2	400.0
165°	361.1	360.3	361.9	365.7	368.7	371.4	374.1	380.2	385.5	390.1	395.5
167.5°	366.5	365.7	366.5	369.5	371.8	373.7	375.6	380.2	384.8	387.1	390.9
170°	371.0	369.5	370.3	372.6	374.1	374.8	375.6	379.4	382.5	384.0	386.3
172.5°	374.1	373.3	373.3	374.9	375.6	376.0	376.4	379.4	381.7	381.7	382.5
175°	376.4	375.6	374.9	376.4	376.4	376.8	377.1	378.7	380.2	379.4	379.4
177.5°	377.9	377.1	376.4	377.1	377.1	377.1	377.1	377.9	379.4	377.9	377.1
180°	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2
2.5°	493.1	494.0	497.2	499.5	504.0	503.6	503.6	503.1	501.7	504.0	505.4
5°	527.6	535.3	536.2	546.2	546.6	550.7	553.5	551.2	556.6	556.2	552.1
7.5°	570.2	580.7	585.7	595.2	606.1	603.4	613.8	615.6	614.7	619.2	622.4
10°	617.0	635.1	647.8	665.5	670.0	672.8	679.6	685.5	697.3	688.2	694.1
12.5°	670.5	683.6	700.4	728.6	742.6	751.7	754.9	759.0	767.1	762.1	762.6
15°	715.4	733.1	761.7	796.6	800.7	812.0	809.3	833.8	845.6	827.9	837.9
17.5°	762.1	785.7	819.7	850.1	867.4	875.1	882.3	905.9	905.0	902.3	904.6
20°	792.1	830.6	872.8	913.2	918.2	924.1	943.6	953.6	951.8	959.5	964.5
22.5°	834.3	875.1	920.0	946.8	958.1	964.9	980.3	986.7	989.4	991.2	988.0
25°	869.6	913.2	946.3	969.9	976.7	980.3	985.3	987.1	985.8	982.6	985.3
27.5°	893.7	928.6	951.3	962.2	958.6	952.7	943.1	936.8	922.7	915.9	924.1
30°	903.7	919.1	925.9	907.8	889.6	875.1	856.9	823.4	797.1	804.8	794.3
32.5°	887.8	877.8	845.1	798.4	784.4	760.8	709.5	670.0	671.4	650.5	659.2
35°	841.1	795.7	734.0	663.2	644.6	631.9	575.7	567.1	548.9	529.4	534.9
37.5°	758.5	692.3	617.4	565.2	537.6	509.9	478.1	459.1	448.2	440.0	446.4
40°	657.8	577.0	515.3	468.6	445.0	427.3	405.6	386.5	374.3	372.9	375.2
42.5°	558.9	490.8	434.1	389.7	382.0	361.1	347.0	332.1	328.4	322.5	325.7
45°	473.2	417.8	371.1	334.8	325.7	320.3	303.0	293.5	289.4	285.8	291.2
47.5°	411.0	352.9	318.9	297.1	288.1	279.0	269.5	263.1	259.9	260.4	259.9
50°	351.1	308.5	278.5	261.8	256.3	250.0	242.2	238.2	236.8	232.7	235.9
52.5°	302.1	271.3	250.4	234.5	230.5	225.9	219.6	217.3	214.1	213.2	213.2
55°	262.7	238.6	221.8	211.4	206.4	202.8	199.2	196.4	194.2	194.2	194.2
57.5°	231.8	210.9	198.7	189.6	187.8	184.2	180.1	180.1	176.9	176.5	177.8
60°	205.5	186.9	177.4	169.7	166.9	166.0	162.0	162.0	161.0	158.8	160.6
62.5°	178.7	165.1	157.0	151.1	148.3	148.3	145.2	142.9	142.9	143.4	142.4
65°	154.2	144.3	137.0	132.5	131.1	129.3	128.8	127.0	125.7	126.1	125.7
67.5°	132.5	124.8	119.8	116.1	113.9	113.0	111.6	111.6	110.7	111.1	108.9
70°	113.0	105.2	101.2	97.5	96.6	96.6	94.8	95.3	94.4	95.7	94.8
72.5°	93.0	87.1	83.9	82.6	81.7	81.2	80.3	79.4	78.9	79.8	79.4
75°	75.3	70.3	68.0	67.1	66.2	66.2	65.8	65.3	64.9	64.9	64.9
77.5°	58.5	55.3	52.6	53.5	52.2	52.6	51.3	51.3	51.7	51.3	51.3
80°	43.1	40.8	40.8	39.9	38.1	39.0	39.0	37.7	37.2	38.1	36.7
82.5°	28.6	28.1	27.2	26.8	25.9	26.3	25.9	25.4	25.0	25.9	25.0
85°	16.8	16.8	16.3	15.4	16.3	15.9	15.4	15.4	15.0	15.0	15.0
87.5°	8.6	7.7	7.7	7.3	7.7	6.8	7.3	6.8	6.4	6.8	6.4
90°	18.3	19.1	19.8	20.6	21.4	22.1	21.4	22.1	22.9	22.1	22.9
92.5°	106.1	75.6	58.8	51.2	48.5	45.8	44.3	41.2	42.0	40.5	42.0
95°	367.2	274.8	186.3	145.8	132.0	118.3	103.8	97.0	91.6	88.6	91.6
97.5°	719.9	631.4	476.4	375.6	332.1	288.6	237.4	208.4	190.1	181.7	190.1
100°	873.4	900.1	838.3	748.9	694.7	640.5	563.4	507.7	477.9	478.7	477.9
102.5°	881.0	989.4	1002.4	959.7	930.3	900.9	845.1	803.9	780.2	758.1	780.2
105°	832.9	992.5	1068.8	1083.3	1073.4	1063.5	1028.4	999.4	974.9	971.1	974.9
107.5°	764.2	946.7	1066.5	1126.1	1136.4	1146.7	1142.1	1128.4	1118.5	1110.1	1118.5
110°	700.1	874.9	1015.4	1111.6	1138.3	1165.0	1186.4	1192.5	1191.0	1189.5	1191.0

TEST NUMBER: P1011645

CATALOG NUMBER: S123DIP-B340D805UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	644.4	803.9	948.2	1058.9	1095.2	1131.4	1174.9	1197.1	1204.7	1205.5	1204.7
115°	601.6	742.8	875.7	987.9	1029.5	1071.1	1128.4	1162.0	1177.2	1181.1	1177.2
117.5°	573.3	695.5	813.1	916.1	959.2	1002.4	1062.0	1099.4	1122.3	1127.6	1122.3
120°	552.0	659.6	762.7	854.3	892.8	931.4	991.7	1034.5	1052.8	1057.4	1052.8
122.5°	534.4	631.4	722.2	805.4	840.6	875.7	927.6	965.0	985.6	991.7	985.6
125°	519.9	606.9	690.2	763.4	794.0	824.5	873.4	907.0	926.1	931.4	926.1
127.5°	506.2	584.8	660.4	727.6	755.8	784.1	828.3	857.4	874.9	879.5	874.9
130°	495.5	564.2	632.9	694.7	720.7	746.7	787.1	814.6	830.6	836.7	830.6
132.5°	485.6	545.1	606.9	663.4	687.8	712.3	749.7	777.2	790.9	794.7	790.9
135°	477.2	528.3	582.5	632.1	653.9	675.7	713.1	736.0	749.7	755.1	749.7
137.5°	469.5	512.3	558.1	602.4	621.8	641.3	673.4	697.0	708.5	713.1	708.5
140°	462.6	498.5	537.5	574.1	590.5	606.9	636.0	657.3	669.5	668.8	669.5
142.5°	456.5	485.6	517.6	548.2	561.9	575.6	599.3	617.6	628.3	627.6	628.3
145°	451.2	475.6	500.8	525.3	536.3	547.4	566.5	582.5	588.6	590.1	588.6
147.5°	445.9	467.2	487.8	508.5	516.5	524.5	539.8	551.2	557.3	558.1	557.3
150°	440.5	458.1	475.6	491.7	499.0	506.2	517.6	526.0	530.6	530.6	530.6
152.5°	434.4	449.7	464.2	477.9	483.6	489.4	497.8	505.4	507.7	507.7	507.7
155°	428.3	441.3	453.5	464.9	469.5	474.1	481.0	487.1	488.6	489.4	488.6
157.5°	421.4	432.1	442.8	452.0	455.8	459.6	465.7	470.3	471.8	471.8	471.8
160°	414.6	424.5	432.9	440.5	443.2	445.9	451.2	455.8	455.8	455.0	455.8
162.5°	407.7	415.3	422.2	429.1	431.4	433.6	436.7	440.5	440.5	439.7	440.5
165°	401.6	407.7	412.3	417.6	419.5	421.4	424.5	427.5	426.8	426.8	426.8
167.5°	395.5	400.8	404.6	407.7	409.2	410.7	412.3	414.6	413.8	413.8	413.8
170°	390.1	393.9	396.2	399.3	400.0	400.8	401.6	403.1	402.3	402.3	402.3
172.5°	384.8	387.8	389.4	391.6	392.0	392.4	392.4	393.9	392.4	391.6	392.4
175°	381.0	382.5	383.3	384.8	384.8	384.8	384.8	385.5	384.8	384.0	384.8
177.5°	377.9	378.7	379.4	380.2	380.2	380.2	379.4	380.2	378.7	378.7	378.7
180°	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1

TEST NUMBER: P1011645

CATALOG NUMBER: S123DIP-B340D805UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2
2.5°	501.7	503.1	499.5	498.6	498.6	500.4	499.0	486.8	489.0	486.3	485.4
5°	557.1	554.4	550.7	548.9	546.6	540.3	539.8	525.8	523.1	514.0	509.9
7.5°	617.9	615.6	604.7	603.4	602.4	596.5	581.6	566.6	555.7	545.3	535.3
10°	687.3	680.5	675.5	665.5	660.5	652.3	632.8	618.8	600.2	584.3	563.4
12.5°	770.7	763.0	746.3	739.0	732.6	710.0	690.5	674.6	638.3	627.4	601.5
15°	832.0	815.7	813.8	798.0	797.1	772.1	734.9	717.7	689.5	649.6	622.9
17.5°	898.2	883.7	872.4	853.3	850.6	827.0	799.8	757.6	726.7	688.6	654.6
20°	946.8	939.1	919.5	911.8	896.0	876.0	847.9	795.7	758.0	719.9	678.2
22.5°	985.3	977.6	962.2	951.8	942.7	916.8	883.3	838.8	787.1	737.2	694.1
25°	984.9	982.6	976.3	971.3	964.5	945.4	917.3	874.6	817.0	762.1	702.2
27.5°	929.1	935.4	946.3	951.8	950.4	947.7	931.8	896.0	844.2	778.9	711.8
30°	812.9	836.1	856.5	883.7	891.9	911.8	920.9	900.5	859.2	798.4	724.0
32.5°	674.1	707.7	752.2	767.1	793.0	831.5	874.6	882.3	856.5	809.8	731.7
35°	553.0	580.7	615.1	638.7	661.9	724.5	778.9	826.1	834.7	803.9	729.9
37.5°	457.7	477.2	507.6	527.6	548.9	602.4	678.7	739.9	783.0	783.9	724.9
40°	388.8	397.4	423.7	438.2	458.6	504.9	573.0	652.8	715.9	744.9	711.8
42.5°	329.3	340.7	362.5	373.4	386.5	426.9	471.8	547.6	625.6	687.7	687.3
45°	294.0	302.1	312.1	321.2	336.2	360.2	411.5	468.2	543.0	613.3	641.0
47.5°	262.7	270.4	280.4	283.1	293.1	315.7	347.0	396.5	466.4	536.2	588.4
50°	236.4	242.7	249.5	254.5	259.0	277.6	301.2	343.0	398.8	466.4	531.2
52.5°	215.9	220.5	226.4	229.1	233.2	246.8	264.9	295.8	341.6	403.3	466.4
55°	196.9	200.1	203.7	208.2	210.0	220.0	234.1	260.4	294.4	349.8	409.6
57.5°	179.2	180.6	182.8	185.5	187.8	196.4	208.7	226.4	256.3	299.0	355.7
60°	159.2	162.9	164.2	166.9	168.3	175.1	184.6	199.6	222.7	259.5	302.1
62.5°	142.4	144.7	147.0	148.3	151.5	153.8	161.5	175.1	194.2	221.4	259.9
65°	127.5	128.4	129.7	131.1	132.0	134.7	142.0	151.1	165.6	189.6	219.6
67.5°	110.2	111.1	113.0	113.4	114.3	117.9	122.0	129.7	142.0	160.1	184.6
70°	93.5	94.8	95.7	96.6	98.0	99.3	103.9	110.2	119.8	132.5	151.5
72.5°	78.9	80.3	80.3	81.2	80.7	82.6	87.1	91.6	98.0	108.4	125.2
75°	64.4	64.4	65.3	65.8	66.2	68.0	69.9	73.5	78.5	86.6	97.1
77.5°	50.8	50.4	51.3	51.3	51.3	52.6	54.4	56.3	59.4	65.3	73.5
80°	37.2	37.2	38.1	38.6	37.7	38.1	39.0	40.8	43.1	47.2	51.7
82.5°	24.5	26.3	25.9	26.3	25.9	26.8	27.2	27.7	28.6	30.4	33.6
85°	15.0	15.0	15.0	15.4	15.0	15.4	15.4	15.4	15.9	16.8	18.1
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°	22.1	21.4	22.1	21.4	20.6	19.8	19.1	18.3	19.1	16.8	14.5
92.5°	41.2	44.3	45.8	48.5	51.2	58.8	75.6	106.1	142.0	157.3	117.6
95°	97.0	103.8	118.3	132.0	145.8	186.3	274.8	367.2	452.7	403.1	277.9
97.5°	208.4	237.4	288.6	332.1	375.6	476.4	631.4	719.9	696.3	519.9	309.2
100°	507.7	563.4	640.5	694.7	748.9	838.3	900.1	873.4	723.0	488.6	287.8
102.5°	803.9	845.1	900.9	930.3	959.7	1002.4	989.4	881.0	673.4	442.8	269.5
105°	999.4	1028.4	1063.5	1073.4	1083.3	1068.8	992.5	832.9	613.8	406.9	262.6
107.5°	1128.4	1142.1	1146.7	1136.4	1126.1	1066.5	946.7	764.2	561.1	381.0	261.1
110°	1192.5	1186.4	1165.0	1138.3	1111.6	1015.4	874.9	700.1	517.6	367.2	264.9

TEST NUMBER: P1011645

CATALOG NUMBER: S123DIP-B340D805UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1197.1	1174.9	1131.4	1095.2	1058.9	948.2	803.9	644.4	488.6	359.6	272.6
115°	1162.0	1128.4	1071.1	1029.5	987.9	875.7	742.8	601.6	469.5	358.8	280.9
117.5°	1099.4	1062.0	1002.4	959.2	916.1	813.1	695.5	573.3	456.5	359.6	291.6
120°	1034.5	991.7	931.4	892.8	854.3	762.7	659.6	552.0	448.1	362.6	303.9
122.5°	965.0	927.6	875.7	840.6	805.4	722.2	631.4	534.4	442.8	368.0	315.3
125°	907.0	873.4	824.5	794.0	763.4	690.2	606.9	519.9	438.2	373.3	327.5
127.5°	857.4	828.3	784.1	755.8	727.6	660.4	584.8	506.2	435.9	379.4	337.4
130°	814.6	787.1	746.7	720.7	694.7	632.9	564.2	495.5	433.6	385.5	347.4
132.5°	777.2	749.7	712.3	687.8	663.4	606.9	545.1	485.6	432.9	390.1	356.5
135°	736.0	713.1	675.7	653.9	632.1	582.5	528.3	477.2	432.1	394.7	364.2
137.5°	697.0	673.4	641.3	621.8	602.4	558.1	512.3	469.5	430.6	397.8	370.3
140°	657.3	636.0	606.9	590.5	574.1	537.5	498.5	462.6	429.8	400.8	374.9
142.5°	617.6	599.3	575.6	561.9	548.2	517.6	485.6	456.5	428.3	403.1	379.4
145°	582.5	566.5	547.4	536.3	525.3	500.8	475.6	451.2	426.8	403.9	382.5
147.5°	551.2	539.8	524.5	516.5	508.5	487.8	467.2	445.9	424.5	403.9	384.8
150°	526.0	517.6	506.2	499.0	491.7	475.6	458.1	440.5	421.4	403.9	385.5
152.5°	505.4	497.8	489.4	483.6	477.9	464.2	449.7	434.4	417.6	401.6	387.1
155°	487.1	481.0	474.1	469.5	464.9	453.5	441.3	428.3	413.0	400.0	387.1
157.5°	470.3	465.7	459.6	455.8	452.0	442.8	432.1	421.4	409.2	397.8	387.8
160°	455.8	451.2	445.9	443.2	440.5	432.9	424.5	414.6	404.6	396.2	387.8
162.5°	440.5	436.7	433.6	431.4	429.1	422.2	415.3	407.7	400.0	393.2	387.1
165°	427.5	424.5	421.4	419.5	417.6	412.3	407.7	401.6	395.5	390.1	385.5
167.5°	414.6	412.3	410.7	409.2	407.7	404.6	400.8	395.5	390.9	387.1	384.8
170°	403.1	401.6	400.8	400.0	399.3	396.2	393.9	390.1	386.3	384.0	382.5
172.5°	393.9	392.4	392.4	392.0	391.6	389.4	387.8	384.8	382.5	381.7	381.7
175°	385.5	384.8	384.8	384.8	384.8	383.3	382.5	381.0	379.4	379.4	380.2
177.5°	380.2	379.4	380.2	380.2	380.2	379.4	378.7	377.9	377.1	377.9	379.4
180°	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1

TEST NUMBER: P1011645

CATALOG NUMBER: S123DIP-B340D805UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2
2.5°	480.9	479.5	479.5	478.6	475.9	470.9	470.4	471.3	468.6	465.9	461.8
5°	504.5	495.8	493.1	490.4	485.0	475.9	472.2	469.1	464.1	458.2	451.8
7.5°	524.4	512.2	508.5	503.6	492.7	480.0	471.8	465.0	458.2	450.0	442.3
10°	549.4	531.7	523.1	515.8	500.8	483.1	470.9	460.9	450.0	440.0	430.1
12.5°	577.5	548.9	546.2	528.5	511.3	485.0	470.0	455.5	440.9	428.7	418.3
15°	601.1	569.8	558.4	546.6	513.5	480.9	466.4	450.0	433.2	420.1	404.7
17.5°	616.1	590.2	566.2	550.3	515.8	486.8	458.6	440.0	422.3	404.2	391.5
20°	634.2	596.5	575.7	554.4	520.3	482.2	454.1	431.0	409.2	392.9	377.4
22.5°	652.3	601.5	584.3	561.2	521.2	477.7	445.9	422.8	397.9	381.5	364.7
25°	650.5	608.8	580.2	560.7	512.2	473.6	436.4	409.2	386.1	365.2	348.4
27.5°	651.9	600.6	571.6	548.9	505.8	467.7	426.4	397.9	373.8	352.0	334.3
30°	652.3	588.4	563.0	535.8	494.0	453.6	415.1	386.1	360.7	337.1	321.2
32.5°	651.0	578.4	546.6	522.2	475.4	440.0	401.9	371.1	345.2	323.5	308.5
35°	647.8	566.6	529.9	499.0	456.4	420.5	389.7	357.9	330.3	310.3	293.1
37.5°	639.2	553.9	512.2	481.8	434.1	397.9	370.6	344.3	317.6	294.0	279.4
40°	632.8	536.7	494.5	461.4	410.1	374.7	352.0	327.1	300.8	279.4	265.4
42.5°	618.3	520.3	476.3	436.9	386.5	350.2	328.9	308.9	286.3	265.4	252.7
45°	594.7	502.6	454.1	414.2	360.7	326.2	306.7	290.3	270.4	250.4	237.7
47.5°	561.6	477.2	430.5	390.6	335.2	300.3	280.8	268.6	252.7	235.9	225.0
50°	525.8	449.6	406.5	367.0	310.7	276.7	257.7	246.3	235.9	220.5	210.0
52.5°	479.1	420.1	378.8	341.1	284.4	251.8	235.0	226.8	215.9	205.0	196.0
55°	433.7	382.0	347.9	312.1	258.6	228.2	211.9	203.2	196.9	187.8	180.6
57.5°	381.1	346.6	315.3	282.6	234.5	206.9	191.4	181.0	176.9	172.8	166.0
60°	332.5	306.2	280.8	253.6	209.6	184.6	169.7	161.5	157.4	154.7	150.2
62.5°	288.1	267.7	245.9	224.1	184.2	161.5	150.2	142.0	138.4	137.9	133.8
65°	245.4	230.9	213.2	191.9	160.6	140.6	129.7	124.8	120.7	120.7	117.5
67.5°	202.8	192.8	178.7	163.8	139.3	120.7	110.7	106.2	103.9	103.9	101.6
70°	168.8	162.0	149.3	136.1	114.8	100.7	93.0	88.9	87.6	88.0	86.2
72.5°	137.0	129.7	119.3	109.8	93.9	83.5	78.0	73.5	71.2	71.7	71.2
75°	106.2	102.5	93.5	86.2	73.5	66.2	61.2	59.0	57.2	57.6	56.7
77.5°	79.8	74.4	69.4	64.4	56.7	50.8	46.7	44.5	43.1	43.1	43.1
80°	54.4	53.5	49.4	46.7	40.4	35.8	32.7	32.2	30.8	30.8	30.8
82.5°	35.4	33.1	30.8	29.0	25.4	22.7	21.3	20.4	20.0	19.5	20.4
85°	19.5	18.1	17.2	15.4	14.1	12.7	11.3	10.9	10.4	10.9	10.4
87.5°	7.7	6.4	6.4	5.9	5.4	5.0	5.0	4.1	4.1	3.6	3.6
90°	12.2	9.9	9.2	8.4	6.9	4.6	3.1	1.5	3.1	4.6	6.9
92.5°	77.1	52.7	45.8	38.9	31.3	24.4	16.8	11.5	16.8	24.4	31.3
95°	164.1	99.2	84.4	69.5	49.6	36.6	28.2	26.0	28.2	36.6	49.6
97.5°	177.1	113.0	96.6	80.2	60.3	48.9	42.0	41.2	42.0	48.9	60.3
100°	174.8	121.4	106.5	91.6	73.3	62.6	57.3	56.5	57.3	62.6	73.3
102.5°	177.9	131.3	118.0	104.6	88.6	78.6	74.1	72.5	74.1	78.6	88.6
105°	184.0	142.8	131.0	119.1	104.6	95.4	90.9	88.6	90.9	95.4	104.6
107.5°	193.9	157.3	146.2	135.1	121.4	112.2	107.6	105.4	107.6	112.2	121.4
110°	206.9	172.5	161.8	151.2	138.2	129.8	126.0	123.7	126.0	129.8	138.2

TEST NUMBER: P1011645

CATALOG NUMBER: S123DIP-B340D805UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	219.9	188.6	178.3	168.0	155.0	146.6	142.8	140.5	142.8	146.6	155.0
115°	234.4	205.4	195.1	184.8	171.8	164.1	159.6	156.5	159.6	164.1	171.8
117.5°	249.6	220.6	211.1	201.6	187.0	180.2	176.4	172.5	176.4	180.2	187.0
120°	264.2	236.7	227.2	217.6	203.1	195.4	191.6	189.3	191.6	195.4	203.1
122.5°	279.4	252.7	242.4	232.1	218.3	209.9	206.1	203.8	206.1	209.9	218.3
125°	293.9	267.2	256.9	246.6	232.1	223.7	219.1	217.6	219.1	223.7	232.1
127.5°	306.9	280.9	270.6	260.3	244.3	235.9	230.6	228.3	230.6	235.9	244.3
130°	318.4	293.2	282.9	272.6	256.5	247.4	240.5	238.2	240.5	247.4	256.5
132.5°	328.3	303.9	294.0	284.0	268.0	256.5	248.9	245.8	248.9	256.5	268.0
135°	338.2	314.5	304.2	293.9	277.9	266.4	258.0	255.0	258.0	266.4	277.9
137.5°	345.1	322.2	312.6	303.1	287.1	274.8	266.4	263.4	266.4	274.8	287.1
140°	351.9	329.8	320.2	310.7	295.5	283.2	275.6	271.8	275.6	283.2	295.5
142.5°	357.3	335.9	327.2	318.4	303.1	292.4	284.0	280.9	284.0	292.4	303.1
145°	361.9	342.0	333.2	324.5	311.5	300.0	293.2	290.9	293.2	300.0	311.5
147.5°	365.7	347.4	339.8	332.1	319.1	309.2	302.3	300.8	302.3	309.2	319.1
150°	369.5	351.9	345.0	338.2	327.5	317.6	311.5	310.7	311.5	317.6	327.5
152.5°	371.8	357.3	350.8	344.3	335.2	326.8	320.6	320.6	320.6	326.8	335.2
155°	374.9	361.9	356.5	351.2	342.8	335.2	330.6	330.6	330.6	335.2	342.8
157.5°	376.4	365.7	361.5	357.3	349.7	342.8	339.0	338.2	339.0	342.8	349.7
160°	378.7	369.5	365.7	361.9	356.5	350.4	347.4	347.4	347.4	350.4	356.5
162.5°	379.4	371.8	368.8	365.7	361.1	356.5	354.2	354.2	354.2	356.5	361.1
165°	380.2	374.1	371.4	368.7	365.7	361.9	360.3	361.1	360.3	361.9	365.7
167.5°	380.2	375.6	373.7	371.8	369.5	366.5	365.7	366.5	365.7	366.5	369.5
170°	379.4	375.6	374.8	374.1	372.6	370.3	369.5	371.0	369.5	370.3	372.6
172.5°	379.4	376.4	376.0	375.6	374.9	373.3	373.3	374.1	373.3	373.3	374.9
175°	378.7	377.1	376.8	376.4	376.4	374.9	375.6	376.4	375.6	374.9	376.4
177.5°	377.9	377.1	377.1	377.1	377.1	376.4	377.1	377.9	377.1	376.4	377.1
180°	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1

TEST NUMBER: P1011645

CATALOG NUMBER: S123DIP-B340D805UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2
2.5°	460.9	460.5	461.4	458.6	454.1	451.8	445.5	444.1	443.7	444.1	444.6
5°	448.2	447.8	446.4	441.9	436.4	432.3	424.6	424.2	421.4	418.7	420.1
7.5°	436.0	434.1	431.4	425.5	418.3	413.7	407.4	402.8	399.2	396.9	395.1
10°	423.7	421.0	418.3	410.6	401.5	394.7	387.0	383.3	379.3	377.4	375.6
12.5°	407.8	405.1	400.1	391.0	385.6	377.0	369.3	365.6	363.4	359.7	357.5
15°	395.1	389.7	387.0	377.4	366.1	365.2	351.1	350.2	345.7	345.7	342.1
17.5°	380.6	376.5	371.5	362.0	353.8	345.7	338.4	335.7	331.6	330.7	328.9
20°	366.5	361.1	359.3	349.8	341.1	331.2	323.5	320.7	318.9	317.1	318.5
22.5°	352.0	347.5	343.0	334.3	328.0	318.0	313.5	310.7	308.0	307.1	307.6
25°	338.0	333.9	329.3	320.7	313.9	305.8	301.7	300.3	299.0	299.0	298.5
27.5°	324.4	320.3	316.2	308.5	301.7	295.8	292.6	291.2	289.9	290.8	291.7
30°	310.3	306.7	303.0	296.2	290.8	285.3	283.5	282.6	282.2	284.4	284.4
32.5°	297.6	294.4	291.7	285.3	279.9	275.4	274.0	274.5	274.9	276.3	277.2
35°	284.4	282.2	279.4	274.0	269.5	265.4	265.8	265.8	266.7	269.0	270.8
37.5°	272.6	269.5	267.2	262.7	259.0	255.4	256.8	258.1	259.0	261.8	262.7
40°	258.6	257.2	255.4	250.9	247.7	247.2	247.7	248.6	250.4	251.8	253.1
42.5°	247.2	245.4	243.2	239.5	236.8	237.3	237.7	238.6	239.5	241.8	243.2
45°	234.5	233.2	231.4	228.2	225.9	226.4	226.8	226.8	227.7	230.5	231.4
47.5°	220.5	220.9	218.7	215.5	214.1	214.1	214.1	215.0	217.3	218.2	218.7
50°	206.9	206.0	205.5	202.3	201.4	201.0	201.4	201.9	205.0	204.6	206.0
52.5°	192.3	192.3	191.9	190.1	188.7	188.7	187.8	190.1	191.0	191.9	193.3
55°	178.3	176.9	176.5	175.6	173.7	173.3	174.2	176.9	177.8	178.7	180.1
57.5°	162.9	162.9	162.0	160.6	160.6	160.6	160.6	162.4	163.8	164.7	167.4
60°	148.8	147.0	145.6	145.6	145.6	145.2	147.9	147.9	150.6	151.1	152.0
62.5°	132.0	131.1	130.2	130.7	130.2	131.1	132.0	133.8	134.3	135.6	137.0
65°	116.1	116.1	115.2	117.9	116.1	116.1	118.4	118.4	119.3	120.7	122.5
67.5°	100.7	101.2	100.3	100.3	101.2	101.6	102.1	103.9	104.3	106.2	108.4
70°	84.8	85.7	86.2	85.3	86.2	87.1	88.0	88.5	90.3	91.2	92.5
72.5°	70.8	71.7	70.3	70.8	71.2	72.1	72.6	73.5	74.4	77.1	78.0
75°	56.7	56.3	55.8	57.6	56.7	58.5	59.0	59.0	59.9	62.1	63.1
77.5°	43.6	43.6	44.0	43.1	44.5	44.0	44.5	45.8	47.2	47.2	50.8
80°	30.4	31.3	31.3	31.3	31.8	32.2	31.3	33.6	34.0	34.0	35.4
82.5°	19.5	20.0	19.5	20.4	20.4	21.3	20.9	21.3	22.2	23.1	23.6
85°	10.4	10.4	11.3	11.3	10.9	11.3	10.9	11.3	12.2	12.2	12.7
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°	8.4	9.2	9.9	12.2	14.5	16.8	19.1	18.3	19.1	19.8	20.6
92.5°	38.9	45.8	52.7	77.1	117.6	157.3	142.0	106.1	75.6	58.8	51.2
95°	69.5	84.4	99.2	164.1	277.9	403.1	452.7	367.2	274.8	186.3	145.8
97.5°	80.2	96.6	113.0	177.1	309.2	519.9	696.3	719.9	631.4	476.4	375.6
100°	91.6	106.5	121.4	174.8	287.8	488.6	723.0	873.4	900.1	838.3	748.9
102.5°	104.6	118.0	131.3	177.9	269.5	442.8	673.4	881.0	989.4	1002.4	959.7
105°	119.1	131.0	142.8	184.0	262.6	406.9	613.8	832.9	992.5	1068.8	1083.3
107.5°	135.1	146.2	157.3	193.9	261.1	381.0	561.1	764.2	946.7	1066.5	1126.1
110°	151.2	161.8	172.5	206.9	264.9	367.2	517.6	700.1	874.9	1015.4	1111.6

TEST NUMBER: P1011645

CATALOG NUMBER: S123DIP-B340D805UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	168.0	178.3	188.6	219.9	272.6	359.6	488.6	644.4	803.9	948.2	1058.9
115°	184.8	195.1	205.4	234.4	280.9	358.8	469.5	601.6	742.8	875.7	987.9
117.5°	201.6	211.1	220.6	249.6	291.6	359.6	456.5	573.3	695.5	813.1	916.1
120°	217.6	227.2	236.7	264.2	303.9	362.6	448.1	552.0	659.6	762.7	854.3
122.5°	232.1	242.4	252.7	279.4	315.3	368.0	442.8	534.4	631.4	722.2	805.4
125°	246.6	256.9	267.2	293.9	327.5	373.3	438.2	519.9	606.9	690.2	763.4
127.5°	260.3	270.6	280.9	306.9	337.4	379.4	435.9	506.2	584.8	660.4	727.6
130°	272.6	282.9	293.2	318.4	347.4	385.5	433.6	495.5	564.2	632.9	694.7
132.5°	284.0	294.0	303.9	328.3	356.5	390.1	432.9	485.6	545.1	606.9	663.4
135°	293.9	304.2	314.5	338.2	364.2	394.7	432.1	477.2	528.3	582.5	632.1
137.5°	303.1	312.6	322.2	345.1	370.3	397.8	430.6	469.5	512.3	558.1	602.4
140°	310.7	320.2	329.8	351.9	374.9	400.8	429.8	462.6	498.5	537.5	574.1
142.5°	318.4	327.2	335.9	357.3	379.4	403.1	428.3	456.5	485.6	517.6	548.2
145°	324.5	333.2	342.0	361.9	382.5	403.9	426.8	451.2	475.6	500.8	525.3
147.5°	332.1	339.8	347.4	365.7	384.8	403.9	424.5	445.9	467.2	487.8	508.5
150°	338.2	345.0	351.9	369.5	385.5	403.9	421.4	440.5	458.1	475.6	491.7
152.5°	344.3	350.8	357.3	371.8	387.1	401.6	417.6	434.4	449.7	464.2	477.9
155°	351.2	356.5	361.9	374.9	387.1	400.0	413.0	428.3	441.3	453.5	464.9
157.5°	357.3	361.5	365.7	376.4	387.8	397.8	409.2	421.4	432.1	442.8	452.0
160°	361.9	365.7	369.5	378.7	387.8	396.2	404.6	414.6	424.5	432.9	440.5
162.5°	365.7	368.8	371.8	379.4	387.1	393.2	400.0	407.7	415.3	422.2	429.1
165°	368.7	371.4	374.1	380.2	385.5	390.1	395.5	401.6	407.7	412.3	417.6
167.5°	371.8	373.7	375.6	380.2	384.8	387.1	390.9	395.5	400.8	404.6	407.7
170°	374.1	374.8	375.6	379.4	382.5	384.0	386.3	390.1	393.9	396.2	399.3
172.5°	375.6	376.0	376.4	379.4	381.7	381.7	382.5	384.8	387.8	389.4	391.6
175°	376.4	376.8	377.1	378.7	380.2	379.4	379.4	381.0	382.5	383.3	384.8
177.5°	377.1	377.1	377.1	377.9	379.4	377.9	377.1	377.9	378.7	379.4	380.2
180°	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1

TEST NUMBER: P1011645

CATALOG NUMBER: S123DIP-B340D805UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2
2.5°	444.1	444.6	442.8	441.4	445.0	442.8	442.8	443.2	442.3	443.7	443.2
5°	419.2	419.6	416.4	417.4	415.5	415.1	414.6	417.4	416.9	416.4	417.4
7.5°	394.7	394.7	393.3	392.4	392.4	391.0	392.9	392.4	393.3	393.3	394.7
10°	374.3	375.2	372.9	370.6	370.2	370.6	370.6	371.1	371.5	374.7	374.3
12.5°	357.5	356.1	355.7	354.3	352.0	351.1	350.2	355.2	353.8	353.8	353.8
15°	338.9	342.1	341.6	337.5	336.6	338.4	337.5	337.5	342.1	341.6	341.1
17.5°	328.9	328.0	327.1	324.8	325.3	324.8	325.3	325.3	328.0	328.0	328.0
20°	317.6	315.7	315.7	314.8	314.8	313.5	315.3	315.7	317.6	317.6	318.0
22.5°	307.6	306.2	306.2	305.8	306.7	304.9	306.7	307.1	307.1	308.5	308.5
25°	299.0	298.0	298.0	299.0	299.0	299.0	299.0	300.8	299.4	299.9	299.4
27.5°	291.2	291.7	292.2	292.6	292.2	292.6	293.1	294.0	294.4	294.0	293.1
30°	284.0	285.3	285.8	285.8	286.7	287.2	287.6	287.6	288.1	286.7	287.6
32.5°	278.5	278.5	279.4	279.9	280.8	281.3	281.3	282.2	281.7	280.4	280.8
35°	270.8	270.8	272.6	273.6	274.9	274.5	274.9	274.9	275.4	274.5	273.1
37.5°	263.1	264.0	264.0	265.8	266.3	266.7	266.3	267.2	266.7	265.8	265.4
40°	254.0	253.6	254.0	255.4	255.9	255.9	255.9	256.8	256.8	256.8	256.3
42.5°	242.7	244.1	243.6	245.0	244.5	244.5	245.4	246.3	246.8	245.4	245.9
45°	231.8	231.8	232.7	232.7	233.2	233.2	235.0	234.1	235.0	234.1	234.5
47.5°	220.0	220.5	220.5	220.9	221.8	222.7	221.8	222.3	222.3	222.7	221.8
50°	206.9	206.9	207.8	209.1	210.9	210.0	209.6	211.4	210.0	210.0	209.1
52.5°	193.3	194.6	195.1	196.4	197.8	198.2	198.7	197.8	198.2	196.9	197.3
55°	180.1	180.6	182.4	183.7	185.1	185.1	184.6	185.1	185.5	183.7	183.7
57.5°	166.9	168.3	170.1	170.1	171.9	171.9	171.5	171.5	171.9	170.6	170.1
60°	152.9	154.2	156.5	156.5	159.2	159.7	158.8	157.9	157.9	156.5	157.0
62.5°	137.9	139.3	140.6	142.9	144.7	143.8	145.6	143.8	144.3	141.5	141.5
65°	124.8	125.2	127.5	129.7	129.7	130.7	129.7	130.2	128.8	128.8	127.0
67.5°	109.3	109.3	111.6	113.9	116.1	116.1	116.1	114.8	114.8	113.4	113.4
70°	95.7	95.3	97.5	98.9	100.3	100.7	99.8	99.3	98.4	97.1	96.6
72.5°	78.9	79.8	82.1	83.0	85.3	84.8	87.1	84.4	84.4	82.1	81.7
75°	64.0	64.9	67.1	68.5	69.9	69.9	71.2	69.9	68.0	67.1	66.7
77.5°	50.8	50.4	52.2	54.4	54.9	54.4	55.3	54.9	53.1	53.1	52.2
80°	36.3	37.7	39.5	39.0	40.8	40.4	40.4	39.5	39.5	38.1	39.0
82.5°	24.0	25.4	25.9	25.4	25.9	26.8	27.2	26.8	26.8	25.9	26.3
85°	12.7	12.7	13.6	14.1	13.6	13.6	14.1	15.4	14.5	13.6	14.5
87.5°	4.1	3.6	3.6	4.1	3.6	3.6	4.1	4.1	4.5	4.5	4.5
90°	21.4	22.1	21.4	22.1	22.9	22.1	22.9	22.1	21.4	22.1	21.4
92.5°	48.5	45.8	44.3	41.2	42.0	40.5	42.0	41.2	44.3	45.8	48.5
95°	132.0	118.3	103.8	97.0	91.6	88.6	91.6	97.0	103.8	118.3	132.0
97.5°	332.1	288.6	237.4	208.4	190.1	181.7	190.1	208.4	237.4	288.6	332.1
100°	694.7	640.5	563.4	507.7	477.9	478.7	477.9	507.7	563.4	640.5	694.7
102.5°	930.3	900.9	845.1	803.9	780.2	758.1	780.2	803.9	845.1	900.9	930.3
105°	1073.4	1063.5	1028.4	999.4	974.9	971.1	974.9	999.4	1028.4	1063.5	1073.4
107.5°	1136.4	1146.7	1142.1	1128.4	1118.5	1110.1	1118.5	1128.4	1142.1	1146.7	1136.4
110°	1138.3	1165.0	1186.4	1192.5	1191.0	1189.5	1191.0	1192.5	1186.4	1165.0	1138.3

TEST NUMBER: P1011645

CATALOG NUMBER: S123DIP-B340D805UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1095.2	1131.4	1174.9	1197.1	1204.7	1205.5	1204.7	1197.1	1174.9	1131.4	1095.2
115°	1029.5	1071.1	1128.4	1162.0	1177.2	1181.1	1177.2	1162.0	1128.4	1071.1	1029.5
117.5°	959.2	1002.4	1062.0	1099.4	1122.3	1127.6	1122.3	1099.4	1062.0	1002.4	959.2
120°	892.8	931.4	991.7	1034.5	1052.8	1057.4	1052.8	1034.5	991.7	931.4	892.8
122.5°	840.6	875.7	927.6	965.0	985.6	991.7	985.6	965.0	927.6	875.7	840.6
125°	794.0	824.5	873.4	907.0	926.1	931.4	926.1	907.0	873.4	824.5	794.0
127.5°	755.8	784.1	828.3	857.4	874.9	879.5	874.9	857.4	828.3	784.1	755.8
130°	720.7	746.7	787.1	814.6	830.6	836.7	830.6	814.6	787.1	746.7	720.7
132.5°	687.8	712.3	749.7	777.2	790.9	794.7	790.9	777.2	749.7	712.3	687.8
135°	653.9	675.7	713.1	736.0	749.7	755.1	749.7	736.0	713.1	675.7	653.9
137.5°	621.8	641.3	673.4	697.0	708.5	713.1	708.5	697.0	673.4	641.3	621.8
140°	590.5	606.9	636.0	657.3	669.5	668.8	669.5	657.3	636.0	606.9	590.5
142.5°	561.9	575.6	599.3	617.6	628.3	627.6	628.3	617.6	599.3	575.6	561.9
145°	536.3	547.4	566.5	582.5	588.6	590.1	588.6	582.5	566.5	547.4	536.3
147.5°	516.5	524.5	539.8	551.2	557.3	558.1	557.3	551.2	539.8	524.5	516.5
150°	499.0	506.2	517.6	526.0	530.6	530.6	530.6	526.0	517.6	506.2	499.0
152.5°	483.6	489.4	497.8	505.4	507.7	507.7	507.7	505.4	497.8	489.4	483.6
155°	469.5	474.1	481.0	487.1	488.6	489.4	488.6	487.1	481.0	474.1	469.5
157.5°	455.8	459.6	465.7	470.3	471.8	471.8	471.8	470.3	465.7	459.6	455.8
160°	443.2	445.9	451.2	455.8	455.8	455.0	455.8	455.8	451.2	445.9	443.2
162.5°	431.4	433.6	436.7	440.5	440.5	439.7	440.5	440.5	436.7	433.6	431.4
165°	419.5	421.4	424.5	427.5	426.8	426.8	426.8	427.5	424.5	421.4	419.5
167.5°	409.2	410.7	412.3	414.6	413.8	413.8	413.8	414.6	412.3	410.7	409.2
170°	400.0	400.8	401.6	403.1	402.3	402.3	402.3	403.1	401.6	400.8	400.0
172.5°	392.0	392.4	392.4	393.9	392.4	391.6	392.4	393.9	392.4	392.4	392.0
175°	384.8	384.8	384.8	385.5	384.8	384.0	384.8	385.5	384.8	384.8	384.8
177.5°	380.2	380.2	379.4	380.2	378.7	378.7	378.7	380.2	379.4	380.2	380.2
180°	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1

TEST NUMBER: P1011645

CATALOG NUMBER: S123DIP-B340D805UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2
2.5°	444.6	445.5	445.9	444.1	442.8	445.0	448.2	450.5	452.3	454.6	455.9
5°	418.3	421.4	421.4	422.3	423.7	426.0	431.9	436.0	439.6	442.3	444.6
7.5°	396.0	398.3	399.7	401.9	404.2	407.4	414.2	420.1	425.5	428.7	432.3
10°	376.1	377.9	380.2	381.5	385.6	390.1	398.8	403.7	410.1	415.1	419.6
12.5°	357.0	363.4	364.7	364.3	367.9	372.9	381.5	389.2	396.0	401.0	406.0
15°	343.4	345.7	348.4	347.9	355.7	357.0	364.3	373.4	382.4	385.6	390.1
17.5°	328.4	332.1	334.8	336.2	338.4	343.4	350.2	357.0	368.8	369.3	381.1
20°	316.6	320.3	322.1	323.9	325.3	331.2	337.1	344.8	354.3	359.3	365.6
22.5°	308.9	310.7	312.1	313.5	315.3	318.5	325.7	334.3	340.7	346.1	350.2
25°	299.9	301.7	303.5	304.4	305.8	307.6	313.0	319.8	328.9	332.5	336.6
27.5°	293.5	293.5	294.4	294.4	296.2	298.0	302.1	308.5	315.7	320.3	325.7
30°	286.7	286.3	286.7	286.3	285.8	288.5	292.2	297.6	302.6	308.0	311.7
32.5°	279.9	279.4	279.4	279.9	278.1	279.4	281.3	286.3	291.7	294.4	298.5
35°	272.6	271.7	271.7	271.7	270.8	269.9	271.7	276.3	279.9	283.5	286.7
37.5°	265.4	264.0	264.0	263.1	262.2	260.8	260.8	264.5	269.5	270.8	274.9
40°	255.4	255.4	254.5	254.0	253.1	252.2	250.9	254.0	258.6	259.9	263.1
42.5°	245.4	244.1	243.6	243.6	243.6	242.2	241.3	243.6	246.3	248.6	250.4
45°	234.1	233.2	233.6	233.2	232.3	231.8	231.4	232.3	235.4	236.4	238.6
47.5°	221.8	221.4	221.4	220.9	220.5	220.9	219.1	221.4	222.3	223.2	225.0
50°	209.1	208.7	208.2	207.8	207.8	208.2	207.8	207.8	209.6	210.5	212.3
52.5°	196.4	195.1	195.1	194.6	194.6	193.7	194.6	195.1	196.0	196.9	197.8
55°	182.8	182.8	181.5	181.5	180.6	180.6	181.0	180.6	182.4	183.3	183.3
57.5°	169.7	167.9	168.3	167.4	166.5	166.0	166.0	166.9	167.9	167.9	168.8
60°	155.6	153.8	153.3	151.5	152.4	151.1	151.5	151.5	153.3	152.4	153.3
62.5°	141.5	139.3	137.9	137.0	137.0	137.5	136.5	136.1	137.0	137.9	139.7
65°	126.6	125.2	123.8	122.5	122.5	122.0	122.9	121.6	121.1	121.6	122.5
67.5°	111.1	109.8	108.4	107.1	107.5	106.2	105.2	106.6	105.7	106.2	107.1
70°	96.2	95.3	92.5	91.6	91.2	91.6	91.2	90.3	91.6	91.2	91.6
72.5°	81.2	80.3	78.9	76.7	76.7	76.2	75.8	75.8	75.3	75.3	75.3
75°	66.7	64.9	63.5	63.1	62.1	61.7	61.2	60.3	60.8	61.2	60.3
77.5°	51.7	49.4	49.0	49.0	47.6	47.6	48.1	47.6	47.2	47.2	47.2
80°	38.1	36.3	36.3	35.4	34.5	34.5	34.5	34.5	34.0	33.6	34.0
82.5°	24.5	24.0	23.6	23.6	24.5	22.7	23.6	23.1	22.7	22.7	22.2
85°	13.6	14.1	13.6	14.1	13.2	13.6	13.6	13.6	13.2	13.6	12.7
87.5°	5.0	5.0	5.0	5.4	5.4	5.4	5.4	5.4	5.9	5.4	5.4
90°	20.6	19.8	19.1	18.3	19.1	16.8	14.5	12.2	9.9	9.2	8.4
92.5°	51.2	58.8	75.6	106.1	142.0	157.3	117.6	77.1	52.7	45.8	38.9
95°	145.8	186.3	274.8	367.2	452.7	403.1	277.9	164.1	99.2	84.4	69.5
97.5°	375.6	476.4	631.4	719.9	696.3	519.9	309.2	177.1	113.0	96.6	80.2
100°	748.9	838.3	900.1	873.4	723.0	488.6	287.8	174.8	121.4	106.5	91.6
102.5°	959.7	1002.4	989.4	881.0	673.4	442.8	269.5	177.9	131.3	118.0	104.6
105°	1083.3	1068.8	992.5	832.9	613.8	406.9	262.6	184.0	142.8	131.0	119.1
107.5°	1126.1	1066.5	946.7	764.2	561.1	381.0	261.1	193.9	157.3	146.2	135.1
110°	1111.6	1015.4	874.9	700.1	517.6	367.2	264.9	206.9	172.5	161.8	151.2

TEST NUMBER: P1011645

CATALOG NUMBER: S123DIP-B340D805UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1058.9	948.2	803.9	644.4	488.6	359.6	272.6	219.9	188.6	178.3	168.0
115°	987.9	875.7	742.8	601.6	469.5	358.8	280.9	234.4	205.4	195.1	184.8
117.5°	916.1	813.1	695.5	573.3	456.5	359.6	291.6	249.6	220.6	211.1	201.6
120°	854.3	762.7	659.6	552.0	448.1	362.6	303.9	264.2	236.7	227.2	217.6
122.5°	805.4	722.2	631.4	534.4	442.8	368.0	315.3	279.4	252.7	242.4	232.1
125°	763.4	690.2	606.9	519.9	438.2	373.3	327.5	293.9	267.2	256.9	246.6
127.5°	727.6	660.4	584.8	506.2	435.9	379.4	337.4	306.9	280.9	270.6	260.3
130°	694.7	632.9	564.2	495.5	433.6	385.5	347.4	318.4	293.2	282.9	272.6
132.5°	663.4	606.9	545.1	485.6	432.9	390.1	356.5	328.3	303.9	294.0	284.0
135°	632.1	582.5	528.3	477.2	432.1	394.7	364.2	338.2	314.5	304.2	293.9
137.5°	602.4	558.1	512.3	469.5	430.6	397.8	370.3	345.1	322.2	312.6	303.1
140°	574.1	537.5	498.5	462.6	429.8	400.8	374.9	351.9	329.8	320.2	310.7
142.5°	548.2	517.6	485.6	456.5	428.3	403.1	379.4	357.3	335.9	327.2	318.4
145°	525.3	500.8	475.6	451.2	426.8	403.9	382.5	361.9	342.0	333.2	324.5
147.5°	508.5	487.8	467.2	445.9	424.5	403.9	384.8	365.7	347.4	339.8	332.1
150°	491.7	475.6	458.1	440.5	421.4	403.9	385.5	369.5	351.9	345.0	338.2
152.5°	477.9	464.2	449.7	434.4	417.6	401.6	387.1	371.8	357.3	350.8	344.3
155°	464.9	453.5	441.3	428.3	413.0	400.0	387.1	374.9	361.9	356.5	351.2
157.5°	452.0	442.8	432.1	421.4	409.2	397.8	387.8	376.4	365.7	361.5	357.3
160°	440.5	432.9	424.5	414.6	404.6	396.2	387.8	378.7	369.5	365.7	361.9
162.5°	429.1	422.2	415.3	407.7	400.0	393.2	387.1	379.4	371.8	368.8	365.7
165°	417.6	412.3	407.7	401.6	395.5	390.1	385.5	380.2	374.1	371.4	368.7
167.5°	407.7	404.6	400.8	395.5	390.9	387.1	384.8	380.2	375.6	373.7	371.8
170°	399.3	396.2	393.9	390.1	386.3	384.0	382.5	379.4	375.6	374.8	374.1
172.5°	391.6	389.4	387.8	384.8	382.5	381.7	381.7	379.4	376.4	376.0	375.6
175°	384.8	383.3	382.5	381.0	379.4	379.4	380.2	378.7	377.1	376.8	376.4
177.5°	380.2	379.4	378.7	377.9	377.1	377.9	379.4	377.9	377.1	377.1	377.1
180°	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1

TEST NUMBER: P1011645

CATALOG NUMBER: S123DIP-B340D805UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	468.2	468.2	468.2	468.2
2.5°	458.2	459.5	464.1	469.5
5°	449.1	452.7	459.1	467.7
7.5°	439.1	444.6	453.6	464.5
10°	427.8	435.5	446.8	460.5
12.5°	415.5	425.5	440.0	454.1
15°	407.8	417.8	431.0	446.4
17.5°	392.9	404.7	418.3	440.0
20°	377.4	390.6	408.3	430.1
22.5°	365.6	379.7	396.5	419.6
25°	351.6	366.1	384.2	408.3
27.5°	336.6	351.1	371.5	396.9
30°	325.3	339.3	358.8	386.1
32.5°	311.7	325.3	345.7	374.3
35°	296.2	311.7	331.2	360.2
37.5°	284.4	298.5	318.9	346.6
40°	271.7	284.0	303.9	331.2
42.5°	258.1	271.7	289.0	316.2
45°	245.4	255.4	273.1	299.0
47.5°	231.8	243.2	256.8	276.7
50°	217.3	226.8	241.8	255.4
52.5°	203.2	210.9	223.6	234.1
55°	188.3	196.0	205.5	211.9
57.5°	174.2	179.6	186.0	190.1
60°	157.0	162.4	166.5	170.6
62.5°	141.5	145.6	147.9	150.2
65°	125.7	127.9	129.3	131.1
67.5°	108.4	110.7	111.1	113.9
70°	92.5	93.0	93.9	95.3
72.5°	77.6	78.5	78.0	78.9
75°	62.1	63.1	62.1	63.1
77.5°	47.2	48.1	48.1	49.4
80°	34.0	34.5	34.9	34.9
82.5°	22.2	23.6	22.7	23.1
85°	12.7	13.2	13.2	13.6
87.5°	5.9	6.4	5.9	6.8
90°	6.9	4.6	3.1	1.5
92.5°	31.3	24.4	16.8	11.5
95°	49.6	36.6	28.2	26.0
97.5°	60.3	48.9	42.0	41.2
100°	73.3	62.6	57.3	56.5
102.5°	88.6	78.6	74.1	72.5
105°	104.6	95.4	90.9	88.6
107.5°	121.4	112.2	107.6	105.4
110°	138.2	129.8	126.0	123.7

TEST NUMBER: P1011645

CATALOG NUMBER: S123DIP-B340D805UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	155.0	146.6	142.8	140.5
115°	171.8	164.1	159.6	156.5
117.5°	187.0	180.2	176.4	172.5
120°	203.1	195.4	191.6	189.3
122.5°	218.3	209.9	206.1	203.8
125°	232.1	223.7	219.1	217.6
127.5°	244.3	235.9	230.6	228.3
130°	256.5	247.4	240.5	238.2
132.5°	268.0	256.5	248.9	245.8
135°	277.9	266.4	258.0	255.0
137.5°	287.1	274.8	266.4	263.4
140°	295.5	283.2	275.6	271.8
142.5°	303.1	292.4	284.0	280.9
145°	311.5	300.0	293.2	290.9
147.5°	319.1	309.2	302.3	300.8
150°	327.5	317.6	311.5	310.7
152.5°	335.2	326.8	320.6	320.6
155°	342.8	335.2	330.6	330.6
157.5°	349.7	342.8	339.0	338.2
160°	356.5	350.4	347.4	347.4
162.5°	361.1	356.5	354.2	354.2
165°	365.7	361.9	360.3	361.1
167.5°	369.5	366.5	365.7	366.5
170°	372.6	370.3	369.5	371.0
172.5°	374.9	373.3	373.3	374.1
175°	376.4	374.9	375.6	376.4
177.5°	377.1	376.4	377.1	377.9
180°	377.1	377.1	377.1	377.1

(END OF REPORT)