

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: P1011522

Luminaire Tested: S123DIP-B340D1195UB35-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1011522
REPORT IS A COMBINATION OF REPORTS P989714 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B340D1195UB35-4F0-XX-W2A-A4
Description: Define 3 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

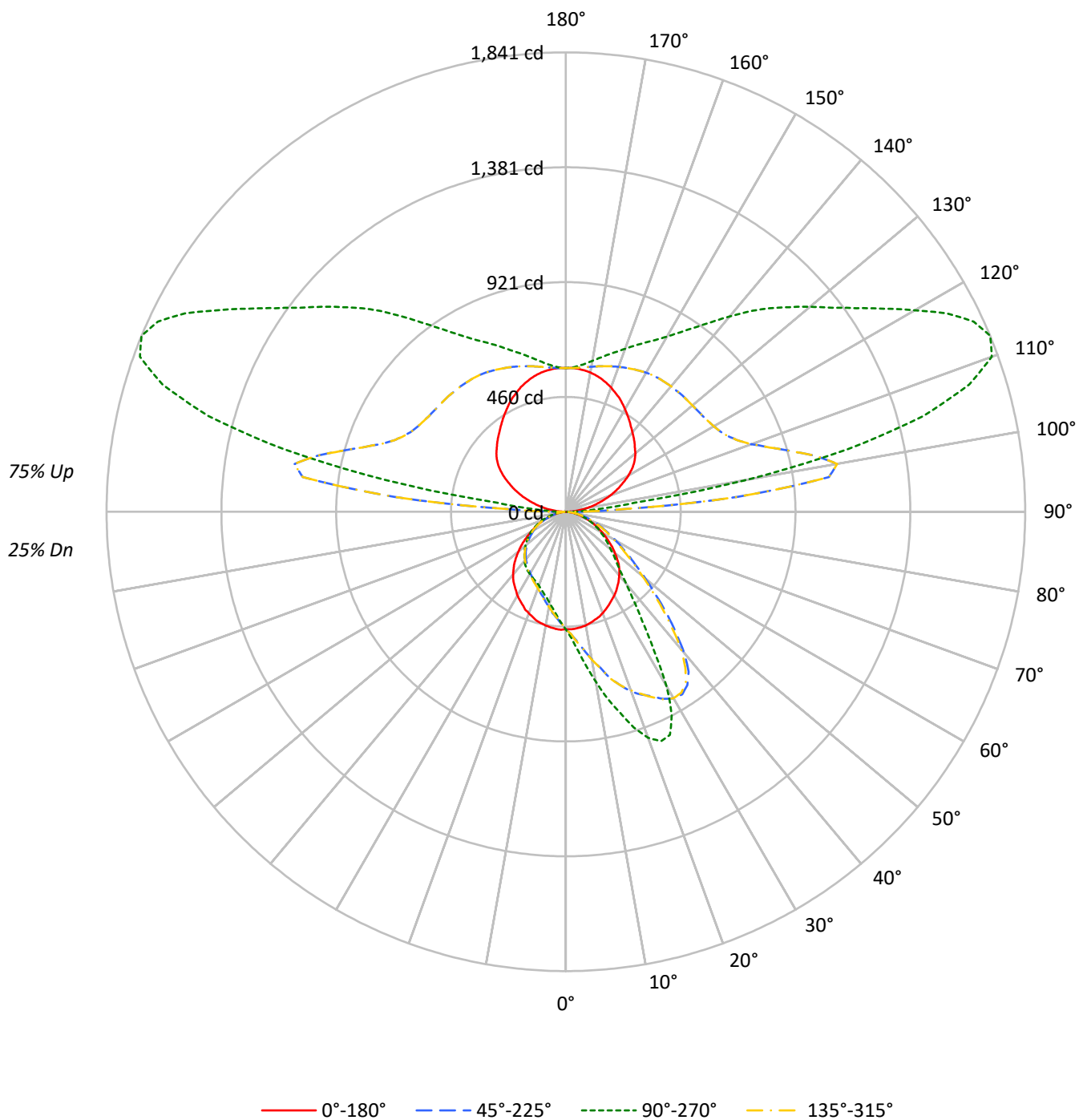
Lumens per Lamp: N/A
Luminaire Lumens: 5755.0 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 48
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	101	101	101	101	90	90	90	90	69	69	69	50	50	50	33	33	33
1	92	88	84	81	82	79	76	73	61	59	57	44	43	42	29	29	28
2	84	77	71	66	75	69	64	60	53	50	47	39	37	35	26	25	24
3	77	68	61	55	68	61	55	50	47	43	40	35	32	30	23	22	20
4	70	60	52	47	62	54	47	42	42	37	34	31	28	26	21	19	18
5	64	53	46	40	57	48	41	36	37	33	29	28	25	22	19	17	15
6	59	48	40	34	52	43	36	31	33	29	25	25	22	19	17	15	13
7	54	43	35	30	48	38	32	27	30	26	22	23	19	17	15	13	12
8	50	39	31	26	45	35	28	24	27	23	19	21	17	15	14	12	11
9	47	35	28	23	42	32	25	21	25	21	17	19	16	13	13	11	10
10	44	32	25	21	39	29	23	19	23	19	15	17	14	12	12	10	9

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	0.8
10°-20°	148.5	2.6
20°-30°	249.9	4.3
30°-40°	282.4	4.9
40°-50°	252.9	4.4
50°-60°	204.2	3.5
60°-70°	142.3	2.5
70°-80°	74.7	1.3
80°-90°	21.1	0.4
90°-100°	312.6	5.4
100°-110°	915.1	15.9
110°-120°	893.6	15.5
120°-130°	711.7	12.4
130°-140°	561.5	9.8
140°-150°	418.9	7.3
150°-160°	292.1	5.1
160°-170°	171.6	3.0
170°-180°	55.8	1.0
0°-30°	444.6	7.7
0°-40°	727.0	12.6
0°-60°	1184.1	20.6
0°-90°	1422.2	24.7
90°-120°	2121.3	36.9
90°-150°	3813.4	66.3
90°-180°	4333.0	75.3
0°-180°	5755.0	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°	2	34	2	34	2	4
95°	40	135	40	135	40	42
105°	135	1483	135	1483	135	144
115°	239	1804	239	1804	239	237
125°	332	1422	332	1422	332	295
135°	389	1153	389	1153	389	301
145°	444	901	444	901	444	278
155°	505	747	505	747	505	232
165°	552	652	552	652	552	155
175°	575	586	575	586	575	55
180°	576	576	576	576	576	

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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°	2.3	4.7	7.0	10.5	12.8	14.0	15.2	18.7	22.2	25.7	29.2
92.5°	17.5	25.7	37.3	47.8	59.5	70.0	80.5	117.8	179.6	240.2	216.9
95°	39.6	43.1	56.0	75.8	106.1	128.8	151.6	250.7	424.4	615.7	691.4
97.5°	63.0	64.1	74.6	92.1	122.4	147.5	172.6	270.5	472.2	794.1	1063.4
100°	86.3	87.5	95.6	111.9	139.9	162.6	185.4	267.0	439.6	746.2	1104.2
102.5°	110.8	113.1	120.1	135.3	159.7	180.1	200.6	271.7	411.6	676.3	1028.4
105°	135.3	138.8	145.8	159.7	181.9	200.0	218.0	281.0	401.1	621.5	937.5
107.5°	160.9	164.4	171.4	185.4	206.4	223.3	240.2	296.2	398.8	581.8	857.0
110°	188.9	192.4	198.2	211.0	230.9	247.2	263.5	316.0	404.6	560.9	790.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	214.5	218.0	223.9	236.7	256.5	272.2	288.0	335.8	416.3	549.2	746.2
115°	239.0	243.7	250.7	262.4	282.2	298.0	313.7	358.0	429.1	548.0	717.1
117.5°	263.5	269.3	275.2	285.7	307.8	322.4	337.0	381.3	445.4	549.2	697.3
120°	289.2	292.7	298.5	310.2	332.3	346.9	361.5	403.4	464.1	553.9	684.4
122.5°	311.3	314.8	320.7	333.5	354.5	370.2	386.0	426.8	481.6	562.0	676.3
125°	332.3	334.6	341.6	354.5	376.6	392.4	408.1	448.9	500.2	570.2	669.3
127.5°	348.6	352.1	360.3	373.1	397.6	413.4	429.1	468.7	515.4	579.5	665.8
130°	363.8	367.3	377.8	391.8	416.3	432.0	447.7	486.2	530.5	588.8	662.3
132.5°	375.5	380.1	391.8	409.3	433.8	449.0	464.1	501.4	544.5	595.8	661.1
135°	389.4	394.1	406.9	424.4	448.9	464.6	480.4	516.5	556.2	602.8	660.0
137.5°	402.3	406.9	419.8	438.4	462.9	477.5	492.1	527.0	565.5	607.5	657.6
140°	415.1	420.9	432.6	451.2	474.6	489.2	503.7	537.5	572.5	612.2	656.5
142.5°	429.1	433.8	446.6	462.9	486.2	499.6	513.0	545.7	579.5	615.7	654.1
145°	444.3	447.7	458.2	475.7	495.6	509.0	522.4	552.7	584.2	616.8	651.8
147.5°	459.4	461.7	472.2	487.4	507.2	518.8	530.5	558.5	587.7	616.8	648.3
150°	474.6	475.7	485.1	500.2	516.5	527.0	537.5	564.4	588.8	616.8	643.6
152.5°	489.7	489.7	499.1	511.9	525.9	535.8	545.7	567.8	591.2	613.3	637.8
155°	504.9	504.9	511.9	523.5	536.4	544.6	552.7	572.5	591.2	611.0	630.8
157.5°	516.5	517.7	523.5	534.0	545.7	552.1	558.5	574.8	592.3	607.5	625.0
160°	530.5	530.5	535.2	544.5	552.7	558.6	564.4	578.3	592.3	605.2	618.0
162.5°	541.0	541.0	544.5	551.5	558.5	563.2	567.8	579.5	591.2	600.5	611.0
165°	551.5	550.4	552.7	558.5	563.2	567.2	571.3	580.7	588.8	595.8	604.0
167.5°	559.7	558.5	559.7	564.4	567.8	570.8	573.7	580.7	587.7	591.2	597.0
170°	566.7	564.4	565.5	569.0	571.3	572.5	573.7	579.5	584.2	586.5	590.0
172.5°	571.3	570.2	570.2	572.5	573.7	574.2	574.8	579.5	583.0	583.0	584.2
175°	574.8	573.7	572.5	574.8	574.8	575.4	576.0	578.3	580.7	579.5	579.5
177.5°	577.2	576.0	574.8	576.0	576.0	576.0	576.0	577.2	579.5	577.2	576.0
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0

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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°	28.0	29.2	30.3	31.5	32.6	33.8	32.6	33.8	35.0	33.8	35.0
92.5°	162.1	115.4	89.8	78.1	74.0	70.0	67.6	63.0	64.1	61.8	64.1
95°	560.9	419.8	284.5	222.7	201.7	180.7	158.6	148.1	139.9	135.3	139.9
97.5°	1099.6	964.3	727.6	573.7	507.2	440.8	362.6	318.3	290.3	277.5	290.3
100°	1333.9	1374.7	1280.3	1143.9	1061.1	978.3	860.5	775.4	729.9	731.1	729.9
102.5°	1345.6	1511.2	1531.0	1465.7	1420.8	1375.9	1290.8	1227.8	1191.7	1157.9	1191.7
105°	1272.1	1515.8	1632.4	1654.6	1639.4	1624.3	1570.6	1526.3	1489.0	1483.2	1489.0
107.5°	1167.2	1445.9	1628.9	1719.9	1735.6	1751.4	1744.4	1723.4	1708.2	1695.4	1708.2
110°	1069.2	1336.3	1550.8	1697.7	1738.5	1779.3	1812.0	1821.3	1819.0	1816.6	1819.0

TEST NUMBER: P1011522

CATALOG NUMBER: S123DIP-B340D1195UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	984.1	1227.8	1448.2	1617.3	1672.6	1728.0	1794.5	1828.3	1840.0	1841.1	1840.0
115°	918.8	1134.5	1337.4	1508.8	1572.4	1635.9	1723.4	1774.7	1798.0	1803.8	1798.0
117.5°	875.7	1062.2	1241.8	1399.2	1465.1	1531.0	1621.9	1679.1	1714.0	1722.2	1714.0
120°	843.0	1007.4	1164.8	1304.8	1363.6	1422.5	1514.7	1579.9	1607.9	1614.9	1607.9
122.5°	816.2	964.3	1103.0	1230.1	1283.8	1337.4	1416.7	1473.8	1505.3	1514.7	1505.3
125°	794.1	927.0	1054.1	1166.0	1212.6	1259.3	1333.9	1385.2	1414.4	1422.5	1414.4
127.5°	773.1	893.2	1008.6	1111.2	1154.4	1197.5	1265.1	1309.4	1336.3	1343.2	1336.3
130°	756.7	861.7	966.6	1061.1	1100.8	1140.4	1202.2	1244.1	1268.6	1278.0	1268.6
132.5°	741.6	832.5	927.0	1013.3	1050.6	1087.9	1145.0	1187.0	1208.0	1213.8	1208.0
135°	728.8	806.9	889.7	965.5	998.7	1031.9	1089.1	1124.0	1145.0	1153.2	1145.0
137.5°	717.1	782.4	852.4	920.0	949.8	979.5	1028.4	1064.6	1082.1	1089.1	1082.1
140°	706.6	761.4	820.9	876.8	901.9	927.0	971.3	1003.9	1022.6	1021.4	1022.6
142.5°	697.3	741.6	790.6	837.2	858.2	879.2	915.3	943.3	959.6	958.5	959.6
145°	689.1	726.4	764.9	802.2	819.1	836.0	865.2	889.7	899.0	901.3	899.0
147.5°	681.0	713.6	745.1	776.6	788.8	801.1	824.4	841.9	851.2	852.4	851.2
150°	672.8	699.6	726.4	750.9	762.0	773.1	790.6	803.4	810.4	810.4	810.4
152.5°	663.5	686.8	708.9	729.9	738.6	747.4	760.2	771.9	775.4	775.4	775.4
155°	654.1	674.0	692.6	710.1	717.1	724.1	734.6	743.9	746.2	747.4	746.2
157.5°	643.6	660.0	676.3	690.3	696.1	701.9	711.3	718.3	720.6	720.6	720.6
160°	633.1	648.3	661.1	672.8	676.9	681.0	689.1	696.1	696.1	694.9	696.1
162.5°	622.7	634.3	644.8	655.3	658.8	662.3	667.0	672.8	672.8	671.6	672.8
165°	613.3	622.7	629.6	637.8	640.7	643.6	648.3	653.0	651.8	651.8	651.8
167.5°	604.0	612.2	618.0	622.7	625.0	627.3	629.6	633.1	632.0	632.0	632.0
170°	595.8	601.7	605.2	609.8	611.0	612.2	613.3	615.7	614.5	614.5	614.5
172.5°	587.7	592.3	594.7	598.2	598.8	599.3	599.3	601.7	599.3	598.2	599.3
175°	581.8	584.2	585.3	587.7	587.7	587.7	587.7	588.8	587.7	586.5	587.7
177.5°	577.2	578.3	579.5	580.7	580.7	580.7	579.5	580.7	578.3	578.3	578.3
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0

TEST NUMBER: P1011522

CATALOG NUMBER: S123DIP-B340D1195UB35-4F0-XX-W2A-A4

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°	33.8	32.6	33.8	32.6	31.5	30.3	29.2	28.0	29.2	25.7	22.2
92.5°	63.0	67.6	70.0	74.0	78.1	89.8	115.4	162.1	216.9	240.2	179.6
95°	148.1	158.6	180.7	201.7	222.7	284.5	419.8	560.9	691.4	615.7	424.4
97.5°	318.3	362.6	440.8	507.2	573.7	727.6	964.3	1099.6	1063.4	794.1	472.2
100°	775.4	860.5	978.3	1061.1	1143.9	1280.3	1374.7	1333.9	1104.2	746.2	439.6
102.5°	1227.8	1290.8	1375.9	1420.8	1465.7	1531.0	1511.2	1345.6	1028.4	676.3	411.6
105°	1526.3	1570.6	1624.3	1639.4	1654.6	1632.4	1515.8	1272.1	937.5	621.5	401.1
107.5°	1723.4	1744.4	1751.4	1735.6	1719.9	1628.9	1445.9	1167.2	857.0	581.8	398.8
110°	1821.3	1812.0	1779.3	1738.5	1697.7	1550.8	1336.3	1069.2	790.6	560.9	404.6

TEST NUMBER: P1011522

CATALOG NUMBER: S123DIP-B340D1195UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1828.3	1794.5	1728.0	1672.6	1617.3	1448.2	1227.8	984.1	746.2	549.2	416.3
115°	1774.7	1723.4	1635.9	1572.4	1508.8	1337.4	1134.5	918.8	717.1	548.0	429.1
117.5°	1679.1	1621.9	1531.0	1465.1	1399.2	1241.8	1062.2	875.7	697.3	549.2	445.4
120°	1579.9	1514.7	1422.5	1363.6	1304.8	1164.8	1007.4	843.0	684.4	553.9	464.1
122.5°	1473.8	1416.7	1337.4	1283.8	1230.1	1103.0	964.3	816.2	676.3	562.0	481.6
125°	1385.2	1333.9	1259.3	1212.6	1166.0	1054.1	927.0	794.1	669.3	570.2	500.2
127.5°	1309.4	1265.1	1197.5	1154.4	1111.2	1008.6	893.2	773.1	665.8	579.5	515.4
130°	1244.1	1202.2	1140.4	1100.8	1061.1	966.6	861.7	756.7	662.3	588.8	530.5
132.5°	1187.0	1145.0	1087.9	1050.6	1013.3	927.0	832.5	741.6	661.1	595.8	544.5
135°	1124.0	1089.1	1031.9	998.7	965.5	889.7	806.9	728.8	660.0	602.8	556.2
137.5°	1064.6	1028.4	979.5	949.8	920.0	852.4	782.4	717.1	657.6	607.5	565.5
140°	1003.9	971.3	927.0	901.9	876.8	820.9	761.4	706.6	656.5	612.2	572.5
142.5°	943.3	915.3	879.2	858.2	837.2	790.6	741.6	697.3	654.1	615.7	579.5
145°	889.7	865.2	836.0	819.1	802.2	764.9	726.4	689.1	651.8	616.8	584.2
147.5°	841.9	824.4	801.1	788.8	776.6	745.1	713.6	681.0	648.3	616.8	587.7
150°	803.4	790.6	773.1	762.0	750.9	726.4	699.6	672.8	643.6	616.8	588.8
152.5°	771.9	760.2	747.4	738.6	729.9	708.9	686.8	663.5	637.8	613.3	591.2
155°	743.9	734.6	724.1	717.1	710.1	692.6	674.0	654.1	630.8	611.0	591.2
157.5°	718.3	711.3	701.9	696.1	690.3	676.3	660.0	643.6	625.0	607.5	592.3
160°	696.1	689.1	681.0	676.9	672.8	661.1	648.3	633.1	618.0	605.2	592.3
162.5°	672.8	667.0	662.3	658.8	655.3	644.8	634.3	622.7	611.0	600.5	591.2
165°	653.0	648.3	643.6	640.7	637.8	629.6	622.7	613.3	604.0	595.8	588.8
167.5°	633.1	629.6	627.3	625.0	622.7	618.0	612.2	604.0	597.0	591.2	587.7
170°	615.7	613.3	612.2	611.0	609.8	605.2	601.7	595.8	590.0	586.5	584.2
172.5°	601.7	599.3	599.3	598.8	598.2	594.7	592.3	587.7	584.2	583.0	583.0
175°	588.8	587.7	587.7	587.7	587.7	585.3	584.2	581.8	579.5	579.5	580.7
177.5°	580.7	579.5	580.7	580.7	580.7	579.5	578.3	577.2	576.0	577.2	579.5
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0

TEST NUMBER: P1011522

CATALOG NUMBER: S123DIP-B340D1195UB35-4F0-XX-W2A-A4

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°	18.7	15.2	14.0	12.8	10.5	7.0	4.7	2.3	4.7	7.0	10.5
92.5°	117.8	80.5	70.0	59.5	47.8	37.3	25.7	17.5	25.7	37.3	47.8
95°	250.7	151.6	128.8	106.1	75.8	56.0	43.1	39.6	43.1	56.0	75.8
97.5°	270.5	172.6	147.5	122.4	92.1	74.6	64.1	63.0	64.1	74.6	92.1
100°	267.0	185.4	162.6	139.9	111.9	95.6	87.5	86.3	87.5	95.6	111.9
102.5°	271.7	200.6	180.1	159.7	135.3	120.1	113.1	110.8	113.1	120.1	135.3
105°	281.0	218.0	200.0	181.9	159.7	145.8	138.8	135.3	138.8	145.8	159.7
107.5°	296.2	240.2	223.3	206.4	185.4	171.4	164.4	160.9	164.4	171.4	185.4
110°	316.0	263.5	247.2	230.9	211.0	198.2	192.4	188.9	192.4	198.2	211.0

TEST NUMBER: P1011522

CATALOG NUMBER: S123DIP-B340D1195UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	335.8	288.0	272.2	256.5	236.7	223.9	218.0	214.5	218.0	223.9	236.7
115°	358.0	313.7	298.0	282.2	262.4	250.7	243.7	239.0	243.7	250.7	262.4
117.5°	381.3	337.0	322.4	307.8	285.7	275.2	269.3	263.5	269.3	275.2	285.7
120°	403.4	361.5	346.9	332.3	310.2	298.5	292.7	289.2	292.7	298.5	310.2
122.5°	426.8	386.0	370.2	354.5	333.5	320.7	314.8	311.3	314.8	320.7	333.5
125°	448.9	408.1	392.4	376.6	354.5	341.6	334.6	332.3	334.6	341.6	354.5
127.5°	468.7	429.1	413.4	397.6	373.1	360.3	352.1	348.6	352.1	360.3	373.1
130°	486.2	447.7	432.0	416.3	391.8	377.8	367.3	363.8	367.3	377.8	391.8
132.5°	501.4	464.1	449.0	433.8	409.3	391.8	380.1	375.5	380.1	391.8	409.3
135°	516.5	480.4	464.6	448.9	424.4	406.9	394.1	389.4	394.1	406.9	424.4
137.5°	527.0	492.1	477.5	462.9	438.4	419.8	406.9	402.3	406.9	419.8	438.4
140°	537.5	503.7	489.2	474.6	451.2	432.6	420.9	415.1	420.9	432.6	451.2
142.5°	545.7	513.0	499.6	486.2	462.9	446.6	433.8	429.1	433.8	446.6	462.9
145°	552.7	522.4	509.0	495.6	475.7	458.2	447.7	444.3	447.7	458.2	475.7
147.5°	558.5	530.5	518.8	507.2	487.4	472.2	461.7	459.4	461.7	472.2	487.4
150°	564.4	537.5	527.0	516.5	500.2	485.1	475.7	474.6	475.7	485.1	500.2
152.5°	567.8	545.7	535.8	525.9	511.9	499.1	489.7	489.7	489.7	499.1	511.9
155°	572.5	552.7	544.6	536.4	523.5	511.9	504.9	504.9	504.9	511.9	523.5
157.5°	574.8	558.5	552.1	545.7	534.0	523.5	517.7	516.5	517.7	523.5	534.0
160°	578.3	564.4	558.6	552.7	544.5	535.2	530.5	530.5	530.5	535.2	544.5
162.5°	579.5	567.8	563.2	558.5	551.5	544.5	541.0	541.0	541.0	544.5	551.5
165°	580.7	571.3	567.2	563.2	558.5	552.7	550.4	551.5	550.4	552.7	558.5
167.5°	580.7	573.7	570.8	567.8	564.4	559.7	558.5	559.7	558.5	559.7	564.4
170°	579.5	573.7	572.5	571.3	569.0	565.5	564.4	566.7	564.4	565.5	569.0
172.5°	579.5	574.8	574.2	573.7	572.5	570.2	570.2	571.3	570.2	570.2	572.5
175°	578.3	576.0	575.4	574.8	574.8	572.5	573.7	574.8	573.7	572.5	574.8
177.5°	577.2	576.0	576.0	576.0	576.0	574.8	576.0	577.2	576.0	574.8	576.0
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0

TEST NUMBER: P1011522

CATALOG NUMBER: S123DIP-B340D1195UB35-4F0-XX-W2A-A4

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°	12.8	14.0	15.2	18.7	22.2	25.7	29.2	28.0	29.2	30.3	31.5
92.5°	59.5	70.0	80.5	117.8	179.6	240.2	216.9	162.1	115.4	89.8	78.1
95°	106.1	128.8	151.6	250.7	424.4	615.7	691.4	560.9	419.8	284.5	222.7
97.5°	122.4	147.5	172.6	270.5	472.2	794.1	1063.4	1099.6	964.3	727.6	573.7
100°	139.9	162.6	185.4	267.0	439.6	746.2	1104.2	1333.9	1374.7	1280.3	1143.9
102.5°	159.7	180.1	200.6	271.7	411.6	676.3	1028.4	1345.6	1511.2	1531.0	1465.7
105°	181.9	200.0	218.0	281.0	401.1	621.5	937.5	1272.1	1515.8	1632.4	1654.6
107.5°	206.4	223.3	240.2	296.2	398.8	581.8	857.0	1167.2	1445.9	1628.9	1719.9
110°	230.9	247.2	263.5	316.0	404.6	560.9	790.6	1069.2	1336.3	1550.8	1697.7

TEST NUMBER: P1011522

CATALOG NUMBER: S123DIP-B340D1195UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	256.5	272.2	288.0	335.8	416.3	549.2	746.2	984.1	1227.8	1448.2	1617.3
115°	282.2	298.0	313.7	358.0	429.1	548.0	717.1	918.8	1134.5	1337.4	1508.8
117.5°	307.8	322.4	337.0	381.3	445.4	549.2	697.3	875.7	1062.2	1241.8	1399.2
120°	332.3	346.9	361.5	403.4	464.1	553.9	684.4	843.0	1007.4	1164.8	1304.8
122.5°	354.5	370.2	386.0	426.8	481.6	562.0	676.3	816.2	964.3	1103.0	1230.1
125°	376.6	392.4	408.1	448.9	500.2	570.2	669.3	794.1	927.0	1054.1	1166.0
127.5°	397.6	413.4	429.1	468.7	515.4	579.5	665.8	773.1	893.2	1008.6	1111.2
130°	416.3	432.0	447.7	486.2	530.5	588.8	662.3	756.7	861.7	966.6	1061.1
132.5°	433.8	449.0	464.1	501.4	544.5	595.8	661.1	741.6	832.5	927.0	1013.3
135°	448.9	464.6	480.4	516.5	556.2	602.8	660.0	728.8	806.9	889.7	965.5
137.5°	462.9	477.5	492.1	527.0	565.5	607.5	657.6	717.1	782.4	852.4	920.0
140°	474.6	489.2	503.7	537.5	572.5	612.2	656.5	706.6	761.4	820.9	876.8
142.5°	486.2	499.6	513.0	545.7	579.5	615.7	654.1	697.3	741.6	790.6	837.2
145°	495.6	509.0	522.4	552.7	584.2	616.8	651.8	689.1	726.4	764.9	802.2
147.5°	507.2	518.8	530.5	558.5	587.7	616.8	648.3	681.0	713.6	745.1	776.6
150°	516.5	527.0	537.5	564.4	588.8	616.8	643.6	672.8	699.6	726.4	750.9
152.5°	525.9	535.8	545.7	567.8	591.2	613.3	637.8	663.5	686.8	708.9	729.9
155°	536.4	544.6	552.7	572.5	591.2	611.0	630.8	654.1	674.0	692.6	710.1
157.5°	545.7	552.1	558.5	574.8	592.3	607.5	625.0	643.6	660.0	676.3	690.3
160°	552.7	558.6	564.4	578.3	592.3	605.2	618.0	633.1	648.3	661.1	672.8
162.5°	558.5	563.2	567.8	579.5	591.2	600.5	611.0	622.7	634.3	644.8	655.3
165°	563.2	567.2	571.3	580.7	588.8	595.8	604.0	613.3	622.7	629.6	637.8
167.5°	567.8	570.8	573.7	580.7	587.7	591.2	597.0	604.0	612.2	618.0	622.7
170°	571.3	572.5	573.7	579.5	584.2	586.5	590.0	595.8	601.7	605.2	609.8
172.5°	573.7	574.2	574.8	579.5	583.0	583.0	584.2	587.7	592.3	594.7	598.2
175°	574.8	575.4	576.0	578.3	580.7	579.5	579.5	581.8	584.2	585.3	587.7
177.5°	576.0	576.0	576.0	577.2	579.5	577.2	576.0	577.2	578.3	579.5	580.7
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0

TEST NUMBER: P1011522

CATALOG NUMBER: S123DIP-B340D1195UB35-4F0-XX-W2A-A4

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°	32.6	33.8	32.6	33.8	35.0	33.8	35.0	33.8	32.6	33.8	32.6
92.5°	74.0	70.0	67.6	63.0	64.1	61.8	64.1	63.0	67.6	70.0	74.0
95°	201.7	180.7	158.6	148.1	139.9	135.3	139.9	148.1	158.6	180.7	201.7
97.5°	507.2	440.8	362.6	318.3	290.3	277.5	290.3	318.3	362.6	440.8	507.2
100°	1061.1	978.3	860.5	775.4	729.9	731.1	729.9	775.4	860.5	978.3	1061.1
102.5°	1420.8	1375.9	1290.8	1227.8	1191.7	1157.9	1191.7	1227.8	1290.8	1375.9	1420.8
105°	1639.4	1624.3	1570.6	1526.3	1489.0	1483.2	1489.0	1526.3	1570.6	1624.3	1639.4
107.5°	1735.6	1751.4	1744.4	1723.4	1708.2	1695.4	1708.2	1723.4	1744.4	1751.4	1735.6
110°	1738.5	1779.3	1812.0	1821.3	1819.0	1816.6	1819.0	1821.3	1812.0	1779.3	1738.5

TEST NUMBER: P1011522

CATALOG NUMBER: S123DIP-B340D1195UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1672.6	1728.0	1794.5	1828.3	1840.0	1841.1	1840.0	1828.3	1794.5	1728.0	1672.6
115°	1572.4	1635.9	1723.4	1774.7	1798.0	1803.8	1798.0	1774.7	1723.4	1635.9	1572.4
117.5°	1465.1	1531.0	1621.9	1679.1	1714.0	1722.2	1714.0	1679.1	1621.9	1531.0	1465.1
120°	1363.6	1422.5	1514.7	1579.9	1607.9	1614.9	1607.9	1579.9	1514.7	1422.5	1363.6
122.5°	1283.8	1337.4	1416.7	1473.8	1505.3	1514.7	1505.3	1473.8	1416.7	1337.4	1283.8
125°	1212.6	1259.3	1333.9	1385.2	1414.4	1422.5	1414.4	1385.2	1333.9	1259.3	1212.6
127.5°	1154.4	1197.5	1265.1	1309.4	1336.3	1343.2	1336.3	1309.4	1265.1	1197.5	1154.4
130°	1100.8	1140.4	1202.2	1244.1	1268.6	1278.0	1268.6	1244.1	1202.2	1140.4	1100.8
132.5°	1050.6	1087.9	1145.0	1187.0	1208.0	1213.8	1208.0	1187.0	1145.0	1087.9	1050.6
135°	998.7	1031.9	1089.1	1124.0	1145.0	1153.2	1145.0	1124.0	1089.1	1031.9	998.7
137.5°	949.8	979.5	1028.4	1064.6	1082.1	1089.1	1082.1	1064.6	1028.4	979.5	949.8
140°	901.9	927.0	971.3	1003.9	1022.6	1021.4	1022.6	1003.9	971.3	927.0	901.9
142.5°	858.2	879.2	915.3	943.3	959.6	958.5	959.6	943.3	915.3	879.2	858.2
145°	819.1	836.0	865.2	889.7	899.0	901.3	899.0	889.7	865.2	836.0	819.1
147.5°	788.8	801.1	824.4	841.9	851.2	852.4	851.2	841.9	824.4	801.1	788.8
150°	762.0	773.1	790.6	803.4	810.4	810.4	810.4	803.4	790.6	773.1	762.0
152.5°	738.6	747.4	760.2	771.9	775.4	775.4	775.4	771.9	760.2	747.4	738.6
155°	717.1	724.1	734.6	743.9	746.2	747.4	746.2	743.9	734.6	724.1	717.1
157.5°	696.1	701.9	711.3	718.3	720.6	720.6	720.6	718.3	711.3	701.9	696.1
160°	676.9	681.0	689.1	696.1	696.1	694.9	696.1	696.1	689.1	681.0	676.9
162.5°	658.8	662.3	667.0	672.8	672.8	671.6	672.8	672.8	667.0	662.3	658.8
165°	640.7	643.6	648.3	653.0	651.8	651.8	651.8	653.0	648.3	643.6	640.7
167.5°	625.0	627.3	629.6	633.1	632.0	632.0	632.0	633.1	629.6	627.3	625.0
170°	611.0	612.2	613.3	615.7	614.5	614.5	614.5	615.7	613.3	612.2	611.0
172.5°	598.8	599.3	599.3	601.7	599.3	598.2	599.3	601.7	599.3	599.3	598.8
175°	587.7	587.7	587.7	588.8	587.7	586.5	587.7	588.8	587.7	587.7	587.7
177.5°	580.7	580.7	579.5	580.7	578.3	578.3	578.3	580.7	579.5	580.7	580.7
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0

TEST NUMBER: P1011522

CATALOG NUMBER: S123DIP-B340D1195UB35-4F0-XX-W2A-A4

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°	31.5	30.3	29.2	28.0	29.2	25.7	22.2	18.7	15.2	14.0	12.8
92.5°	78.1	89.8	115.4	162.1	216.9	240.2	179.6	117.8	80.5	70.0	59.5
95°	222.7	284.5	419.8	560.9	691.4	615.7	424.4	250.7	151.6	128.8	106.1
97.5°	573.7	727.6	964.3	1099.6	1063.4	794.1	472.2	270.5	172.6	147.5	122.4
100°	1143.9	1280.3	1374.7	1333.9	1104.2	746.2	439.6	267.0	185.4	162.6	139.9
102.5°	1465.7	1531.0	1511.2	1345.6	1028.4	676.3	411.6	271.7	200.6	180.1	159.7
105°	1654.6	1632.4	1515.8	1272.1	937.5	621.5	401.1	281.0	218.0	200.0	181.9
107.5°	1719.9	1628.9	1445.9	1167.2	857.0	581.8	398.8	296.2	240.2	223.3	206.4
110°	1697.7	1550.8	1336.3	1069.2	790.6	560.9	404.6	316.0	263.5	247.2	230.9

TEST NUMBER: P1011522

CATALOG NUMBER: S123DIP-B340D1195UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1617.3	1448.2	1227.8	984.1	746.2	549.2	416.3	335.8	288.0	272.2	256.5
115°	1508.8	1337.4	1134.5	918.8	717.1	548.0	429.1	358.0	313.7	298.0	282.2
117.5°	1399.2	1241.8	1062.2	875.7	697.3	549.2	445.4	381.3	337.0	322.4	307.8
120°	1304.8	1164.8	1007.4	843.0	684.4	553.9	464.1	403.4	361.5	346.9	332.3
122.5°	1230.1	1103.0	964.3	816.2	676.3	562.0	481.6	426.8	386.0	370.2	354.5
125°	1166.0	1054.1	927.0	794.1	669.3	570.2	500.2	448.9	408.1	392.4	376.6
127.5°	1111.2	1008.6	893.2	773.1	665.8	579.5	515.4	468.7	429.1	413.4	397.6
130°	1061.1	966.6	861.7	756.7	662.3	588.8	530.5	486.2	447.7	432.0	416.3
132.5°	1013.3	927.0	832.5	741.6	661.1	595.8	544.5	501.4	464.1	449.0	433.8
135°	965.5	889.7	806.9	728.8	660.0	602.8	556.2	516.5	480.4	464.6	448.9
137.5°	920.0	852.4	782.4	717.1	657.6	607.5	565.5	527.0	492.1	477.5	462.9
140°	876.8	820.9	761.4	706.6	656.5	612.2	572.5	537.5	503.7	489.2	474.6
142.5°	837.2	790.6	741.6	697.3	654.1	615.7	579.5	545.7	513.0	499.6	486.2
145°	802.2	764.9	726.4	689.1	651.8	616.8	584.2	552.7	522.4	509.0	495.6
147.5°	776.6	745.1	713.6	681.0	648.3	616.8	587.7	558.5	530.5	518.8	507.2
150°	750.9	726.4	699.6	672.8	643.6	616.8	588.8	564.4	537.5	527.0	516.5
152.5°	729.9	708.9	686.8	663.5	637.8	613.3	591.2	567.8	545.7	535.8	525.9
155°	710.1	692.6	674.0	654.1	630.8	611.0	591.2	572.5	552.7	544.6	536.4
157.5°	690.3	676.3	660.0	643.6	625.0	607.5	592.3	574.8	558.5	552.1	545.7
160°	672.8	661.1	648.3	633.1	618.0	605.2	592.3	578.3	564.4	558.6	552.7
162.5°	655.3	644.8	634.3	622.7	611.0	600.5	591.2	579.5	567.8	563.2	558.5
165°	637.8	629.6	622.7	613.3	604.0	595.8	588.8	580.7	571.3	567.2	563.2
167.5°	622.7	618.0	612.2	604.0	597.0	591.2	587.7	580.7	573.7	570.8	567.8
170°	609.8	605.2	601.7	595.8	590.0	586.5	584.2	579.5	573.7	572.5	571.3
172.5°	598.2	594.7	592.3	587.7	584.2	583.0	583.0	579.5	574.8	574.2	573.7
175°	587.7	585.3	584.2	581.8	579.5	579.5	580.7	578.3	576.0	575.4	574.8
177.5°	580.7	579.5	578.3	577.2	576.0	577.2	579.5	577.2	576.0	576.0	576.0
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0

TEST NUMBER: P1011522

CATALOG NUMBER: S123DIP-B340D1195UB35-4F0-XX-W2A-A4

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°	10.5	7.0	4.7	2.3
92.5°	47.8	37.3	25.7	17.5
95°	75.8	56.0	43.1	39.6
97.5°	92.1	74.6	64.1	63.0
100°	111.9	95.6	87.5	86.3
102.5°	135.3	120.1	113.1	110.8
105°	159.7	145.8	138.8	135.3
107.5°	185.4	171.4	164.4	160.9
110°	211.0	198.2	192.4	188.9

TEST NUMBER: P1011522

CATALOG NUMBER: S123DIP-B340D1195UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	236.7	223.9	218.0	214.5
115°	262.4	250.7	243.7	239.0
117.5°	285.7	275.2	269.3	263.5
120°	310.2	298.5	292.7	289.2
122.5°	333.5	320.7	314.8	311.3
125°	354.5	341.6	334.6	332.3
127.5°	373.1	360.3	352.1	348.6
130°	391.8	377.8	367.3	363.8
132.5°	409.3	391.8	380.1	375.5
135°	424.4	406.9	394.1	389.4
137.5°	438.4	419.8	406.9	402.3
140°	451.2	432.6	420.9	415.1
142.5°	462.9	446.6	433.8	429.1
145°	475.7	458.2	447.7	444.3
147.5°	487.4	472.2	461.7	459.4
150°	500.2	485.1	475.7	474.6
152.5°	511.9	499.1	489.7	489.7
155°	523.5	511.9	504.9	504.9
157.5°	534.0	523.5	517.7	516.5
160°	544.5	535.2	530.5	530.5
162.5°	551.5	544.5	541.0	541.0
165°	558.5	552.7	550.4	551.5
167.5°	564.4	559.7	558.5	559.7
170°	569.0	565.5	564.4	566.7
172.5°	572.5	570.2	570.2	571.3
175°	574.8	572.5	573.7	574.8
177.5°	576.0	574.8	576.0	577.2
180°	576.0	576.0	576.0	576.0

(END OF REPORT)