

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: P1011636

Luminaire Tested: S123DIP-B340D805UB27-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1011636
REPORT IS A COMBINATION OF REPORTS P989861 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B340D805UB27-4F0-XX-W2A-A4
Description: Define 3 Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

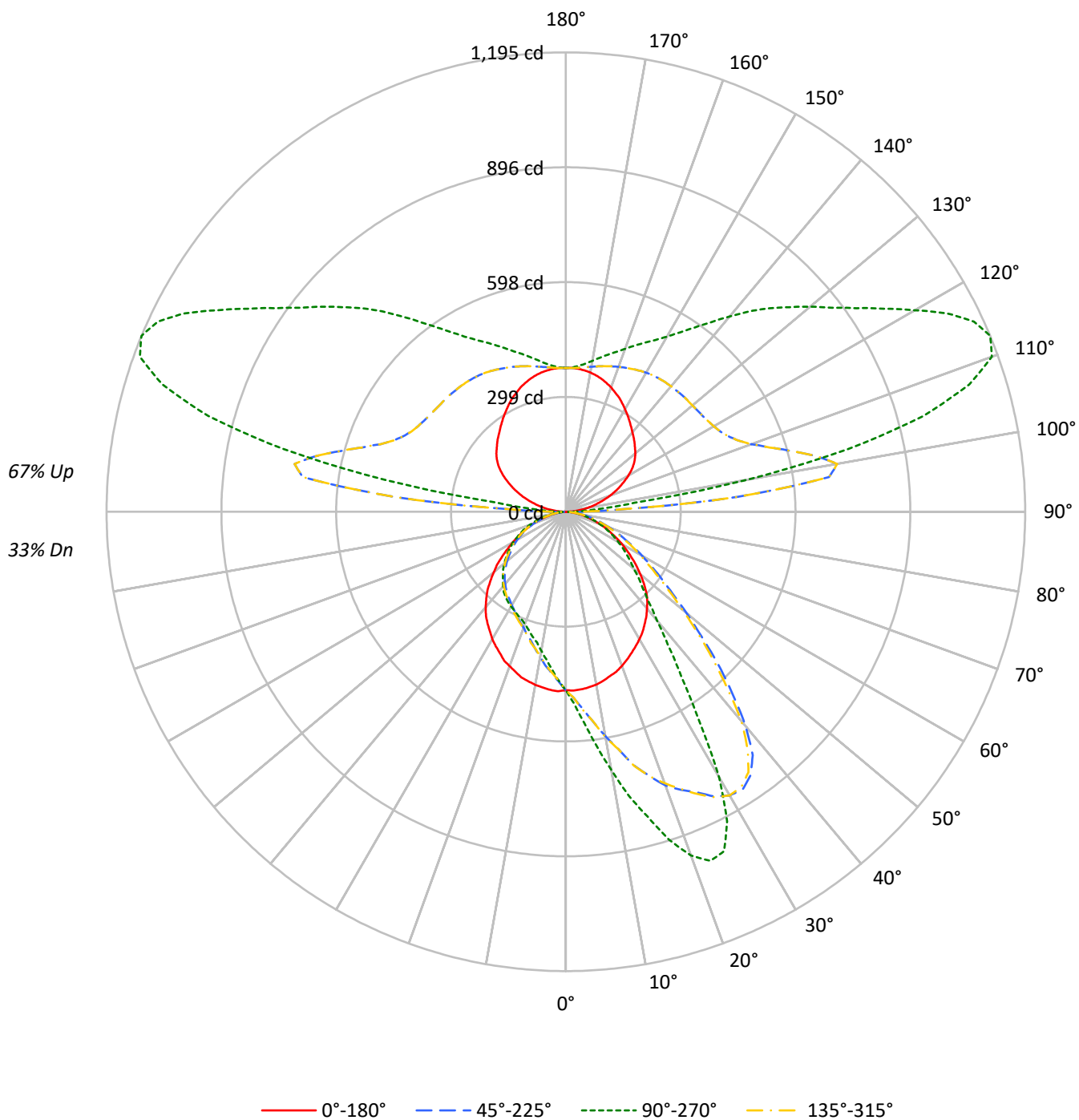
Lumens per Lamp: N/A
Luminaire Lumens: 4216.0 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

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°	4997	4997	4997	4997
5°	4999	5757	5014	4297
10°	4968	6966	4973	3752
15°	4899	8262	4939	3377
20°	4840	9512	4850	3108
25°	4752	9752	4763	2967
30°	4690	8057	4690	2875
35°	4612	5388	4583	2793
40°	4520	3889	4463	2669
45°	4402	3081	4276	2514
50°	4117	2616	3971	2362
55°	3807	2299	3651	2192
60°	3489	2002	3304	2013
65°	3143	1714	2990	1775
70°	2783	1423	2597	1498
75°	2377	1073	2225	1156
80°	1878	717	1732	759
85°	1297	328	1037	299

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 8059 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.7	1.1
10°-20°	146.6	3.5
20°-30°	246.7	5.9
30°-40°	278.8	6.6
40°-50°	249.7	5.9
50°-60°	201.6	4.8
60°-70°	140.5	3.3
70°-80°	73.7	1.7
80°-90°	19.7	0.5
90°-100°	202.9	4.8
100°-110°	594.1	14.1
110°-120°	580.2	13.8
120°-130°	462.0	11.0
130°-140°	364.5	8.6
140°-150°	271.9	6.5
150°-160°	189.6	4.5
160°-170°	111.4	2.6
170°-180°	36.2	0.9
0°-30°	439.0	10.4
0°-40°	717.8	17.0
0°-60°	1169.1	27.7
0°-90°	1403.1	33.3
90°-120°	1377.2	32.7
90°-150°	2475.7	58.7
90°-180°	2813.0	66.7
0°-180°	4216.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	464	464	464	464	464	
5°	464	552	465	412	464	44
15°	443	821	446	336	443	125
25°	405	974	406	296	405	187
35°	357	525	355	272	357	224
45°	296	283	288	231	296	227
55°	210	192	202	184	210	188
65°	130	125	124	130	130	129
75°	62	64	58	69	62	67
85°	14	15	11	14	14	16
90°	2	22	2	22	2	3
95°	26	88	26	88	26	27
105°	88	963	88	963	88	93
115°	155	1171	155	1171	155	154
125°	216	924	216	924	216	192
135°	253	749	253	749	253	195
145°	288	585	288	585	288	181
155°	328	485	328	485	328	151
165°	358	423	358	423	358	101
175°	373	381	373	381	373	35
180°	374	374	374	374	374	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2
2.5°	465.5	469.1	470.9	473.6	476.3	480.4	481.7	484.0	483.1	484.9	485.8
5°	463.7	470.0	475.4	482.2	488.5	493.0	497.5	504.7	510.1	511.0	515.0
7.5°	460.6	469.6	479.0	488.5	500.6	507.8	515.9	525.8	533.9	547.0	551.9
10°	456.5	469.1	482.6	495.7	512.3	523.6	533.5	550.1	566.7	580.2	592.8
12.5°	450.2	466.0	483.5	502.9	524.5	537.5	551.0	573.0	598.2	618.9	632.4
15°	442.6	462.4	484.9	505.6	529.4	553.7	568.1	592.8	628.8	648.2	682.8
17.5°	436.3	456.5	479.0	511.4	543.8	568.1	578.4	623.9	648.6	681.0	720.1
20°	426.4	452.0	480.8	513.2	555.0	569.9	591.0	636.9	667.5	709.8	757.9
22.5°	416.1	443.5	478.1	511.9	558.6	574.4	603.2	639.6	688.2	730.0	783.1
25°	404.8	434.5	469.6	509.6	555.5	578.4	605.4	650.4	703.0	755.7	804.7
27.5°	393.6	426.0	462.4	502.4	547.0	573.9	600.9	647.7	715.2	772.3	834.8
30°	382.8	415.2	451.6	492.5	539.3	565.4	591.0	649.5	724.6	788.9	851.9
32.5°	371.1	404.4	442.6	476.8	524.0	551.9	580.7	649.5	730.5	798.8	856.4
35°	357.1	391.3	424.2	458.3	505.1	536.2	568.5	645.0	735.9	802.0	837.5
37.5°	343.6	373.8	402.1	435.4	484.4	517.7	555.0	639.6	733.2	788.5	798.4
40°	328.4	358.5	381.4	412.5	464.2	502.9	540.7	632.4	721.5	756.6	727.8
42.5°	313.5	337.3	357.1	387.3	443.5	481.3	522.2	619.4	698.5	705.7	641.0
45°	296.4	313.5	331.1	365.2	421.0	459.7	505.1	600.5	661.7	641.0	559.1
47.5°	274.4	289.7	309.0	340.5	397.2	437.2	480.4	576.2	608.1	564.9	475.4
50°	253.2	266.3	284.3	314.9	372.0	411.1	457.0	538.0	553.7	485.8	409.8
52.5°	232.1	242.0	259.5	290.1	347.2	385.0	426.9	498.8	489.8	417.0	349.5
55°	210.1	218.6	235.2	265.4	318.5	354.4	394.5	450.7	427.3	358.0	304.1
57.5°	188.5	197.5	214.6	239.7	289.7	324.8	356.7	400.8	365.7	310.4	262.7
60°	169.1	176.8	189.8	214.6	260.0	288.3	317.6	347.7	318.5	264.9	228.5
62.5°	148.9	156.1	168.2	190.7	229.8	255.0	278.4	303.2	270.8	231.6	199.3
65°	130.0	135.8	147.1	167.8	199.7	220.4	239.3	256.4	230.3	194.3	170.0
67.5°	112.9	117.8	127.3	145.7	172.7	187.6	202.9	217.3	195.2	166.4	145.7
70°	94.5	98.5	107.1	120.5	142.1	157.4	168.7	179.5	159.7	136.7	122.8
72.5°	78.3	82.3	87.7	101.7	116.5	125.9	138.1	143.9	132.7	113.8	99.9
75°	62.5	65.7	70.6	79.6	93.6	99.9	107.5	112.0	101.7	89.1	80.5
77.5°	49.0	50.4	54.0	60.3	69.7	76.9	82.8	85.5	78.3	70.2	63.0
80°	34.6	36.4	39.1	44.5	51.7	54.0	57.6	60.7	56.2	49.0	44.5
82.5°	22.9	25.2	26.5	28.8	33.3	36.0	36.9	39.6	35.5	32.8	31.0
85°	13.5	14.4	14.8	16.2	18.4	19.8	21.1	21.6	20.7	20.2	18.4
87.5°	6.7	6.7	6.7	7.6	8.1	9.0	9.4	9.4	9.4	9.0	8.5
90°	1.5	3.0	4.5	6.8	8.3	9.0	9.8	12.1	14.4	16.7	18.9
92.5°	11.4	16.7	24.2	31.0	38.6	45.4	52.2	76.5	116.6	155.9	140.8
95°	25.7	28.0	36.3	49.2	68.9	83.6	98.4	162.8	275.5	399.7	448.9
97.5°	40.9	41.6	48.4	59.8	79.5	95.8	112.0	175.6	306.6	515.5	690.4
100°	56.0	56.8	62.1	72.7	90.8	105.6	120.4	173.4	285.4	484.5	716.9
102.5°	71.9	73.4	78.0	87.8	103.7	117.0	130.2	176.4	267.2	439.1	667.7
105°	87.8	90.1	94.6	103.7	118.1	129.8	141.6	182.4	260.4	403.5	608.6
107.5°	104.5	106.7	111.3	120.4	134.0	145.0	155.9	192.3	258.9	377.7	556.4
110°	122.6	124.9	128.7	137.0	149.9	160.5	171.1	205.1	262.7	364.1	513.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	139.3	141.6	145.3	153.7	166.5	176.8	187.0	218.0	270.2	356.5	484.5
115°	155.2	158.2	162.8	170.3	183.2	193.4	203.6	232.4	278.6	355.8	465.6
117.5°	171.1	174.9	178.7	185.5	199.8	209.3	218.8	247.5	289.2	356.5	452.7
120°	187.7	190.0	193.8	201.4	215.7	225.2	234.7	261.9	301.3	359.6	444.4
122.5°	202.1	204.4	208.2	216.5	230.1	240.4	250.6	277.1	312.6	364.9	439.1
125°	215.7	217.3	221.8	230.1	244.5	254.7	264.9	291.4	324.8	370.2	434.5
127.5°	226.3	228.6	233.9	242.2	258.1	268.4	278.6	304.3	334.6	376.2	432.2
130°	236.2	238.5	245.3	254.4	270.2	280.4	290.7	315.7	344.4	382.3	430.0
132.5°	243.8	246.8	254.4	265.7	281.6	291.5	301.3	325.5	353.5	386.8	429.2
135°	252.8	255.9	264.2	275.5	291.4	301.6	311.9	335.3	361.1	391.4	428.5
137.5°	261.2	264.2	272.5	284.6	300.5	310.0	319.5	342.2	367.1	394.4	426.9
140°	269.5	273.3	280.8	293.0	308.1	317.6	327.0	349.0	371.7	397.4	426.2
142.5°	278.6	281.6	289.9	300.5	315.7	324.4	333.1	354.3	376.2	399.7	424.7
145°	288.4	290.7	297.5	308.9	321.7	330.4	339.1	358.8	379.3	400.5	423.2
147.5°	298.3	299.8	306.6	316.4	329.3	336.8	344.4	362.6	381.5	400.5	420.9
150°	308.1	308.9	314.9	324.8	335.3	342.2	349.0	366.4	382.3	400.5	417.9
152.5°	317.9	317.9	324.0	332.3	341.4	347.8	354.3	368.7	383.8	398.2	414.1
155°	327.8	327.8	332.3	339.9	348.2	353.5	358.8	371.7	383.8	396.7	409.5
157.5°	335.3	336.1	339.9	346.7	354.3	358.5	362.6	373.2	384.6	394.4	405.7
160°	344.4	344.4	347.5	353.5	358.8	362.6	366.4	375.5	384.6	392.9	401.2
162.5°	351.2	351.2	353.5	358.1	362.6	365.6	368.7	376.2	383.8	389.9	396.7
165°	358.1	357.3	358.8	362.6	365.6	368.2	370.9	377.0	382.3	386.8	392.1
167.5°	363.4	362.6	363.4	366.4	368.7	370.5	372.4	377.0	381.5	383.8	387.6
170°	367.9	366.4	367.1	369.4	370.9	371.6	372.4	376.2	379.3	380.8	383.0
172.5°	370.9	370.2	370.2	371.7	372.4	372.8	373.2	376.2	378.5	378.5	379.3
175°	373.2	372.4	371.7	373.2	373.2	373.6	374.0	375.5	377.0	376.2	376.2
177.5°	374.7	374.0	373.2	374.0	374.0	374.0	374.0	374.7	376.2	374.7	374.0
180°	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2
2.5°	488.9	489.8	493.0	495.2	499.7	499.3	499.3	498.8	497.5	499.7	501.1
5°	523.1	530.8	531.7	541.6	542.0	546.1	548.8	546.5	551.9	551.5	547.4
7.5°	565.4	575.7	580.7	590.1	600.9	598.2	608.6	610.4	609.5	614.0	617.1
10°	611.7	629.7	642.3	659.9	664.3	667.0	673.8	679.6	691.3	682.3	688.2
12.5°	664.8	677.8	694.5	722.4	736.3	745.3	748.5	752.5	760.6	755.7	756.1
15°	709.3	726.9	755.2	789.8	793.9	805.1	802.4	826.7	838.4	820.9	830.8
17.5°	755.7	779.0	812.8	842.9	860.0	867.7	874.9	898.2	897.3	894.6	896.9
20°	785.3	823.6	865.4	905.4	910.4	916.2	935.6	945.5	943.7	951.3	956.3
22.5°	827.2	867.7	912.2	938.7	950.0	956.7	972.0	978.3	981.0	982.8	979.7
25°	862.3	905.4	938.3	961.7	968.4	972.0	977.0	978.8	977.4	974.3	977.0
27.5°	886.1	920.7	943.2	954.0	950.4	944.6	935.1	928.8	914.9	908.1	916.2
30°	896.0	911.3	918.0	900.0	882.1	867.7	849.7	816.4	790.3	797.9	787.6
32.5°	880.3	870.4	838.0	791.6	777.7	754.3	703.5	664.3	665.7	645.0	653.6
35°	833.9	788.9	727.8	657.6	639.2	626.6	570.8	562.2	544.3	524.9	530.3
37.5°	752.1	686.4	612.2	560.4	533.0	505.6	474.1	455.2	444.4	436.3	442.6
40°	652.2	572.1	511.0	464.6	441.3	423.7	402.1	383.2	371.1	369.7	372.0
42.5°	554.1	486.7	430.5	386.4	378.7	358.0	344.1	329.3	325.7	319.8	323.0
45°	469.1	414.3	367.9	331.9	323.0	317.6	300.5	291.0	287.0	283.4	288.8
47.5°	407.5	349.9	316.2	294.6	285.6	276.6	267.2	260.9	257.7	258.2	257.7
50°	348.1	305.9	276.2	259.5	254.1	247.8	240.2	236.1	234.8	230.7	233.9
52.5°	299.6	269.0	248.3	232.5	228.5	224.0	217.7	215.5	212.3	211.4	211.4
55°	260.4	236.6	220.0	209.6	204.7	201.1	197.5	194.8	192.5	192.5	192.5
57.5°	229.8	209.2	197.0	188.0	186.2	182.6	178.6	178.6	175.4	175.0	176.3
60°	203.8	185.3	175.9	168.2	165.5	164.6	160.6	160.6	159.7	157.4	159.2
62.5°	177.2	163.7	155.6	149.8	147.1	147.1	143.9	141.7	141.7	142.1	141.2
65°	152.9	143.0	135.8	131.3	130.0	128.2	127.7	125.9	124.6	125.0	124.6
67.5°	131.3	123.7	118.7	115.1	112.9	112.0	110.6	110.6	109.8	110.2	108.0
70°	112.0	104.4	100.3	96.7	95.8	95.8	94.0	94.5	93.6	94.9	94.0
72.5°	92.2	86.4	83.2	81.9	81.0	80.5	79.6	78.7	78.3	79.2	78.7
75°	74.7	69.7	67.5	66.6	65.7	65.7	65.2	64.8	64.3	64.3	64.3
77.5°	58.0	54.9	52.2	53.1	51.7	52.2	50.8	50.8	51.3	50.8	50.8
80°	42.7	40.5	40.5	39.6	37.8	38.7	38.7	37.3	36.9	37.8	36.4
82.5°	28.3	27.9	27.0	26.5	25.6	26.1	25.6	25.2	24.7	25.6	24.7
85°	16.6	16.6	16.2	15.3	16.2	15.7	15.3	15.3	14.8	14.8	14.8
87.5°	8.5	7.6	7.6	7.2	7.6	6.7	7.2	6.7	6.3	6.7	6.3
90°	18.2	18.9	19.7	20.4	21.2	22.0	21.2	22.0	22.7	22.0	22.7
92.5°	105.2	74.9	58.3	50.7	48.0	45.4	43.9	40.9	41.6	40.1	41.6
95°	364.1	272.5	184.7	144.6	131.0	117.3	103.0	96.1	90.8	87.8	90.8
97.5°	713.8	626.0	472.4	372.4	329.2	286.1	235.4	206.7	188.5	180.2	188.5
100°	866.0	892.5	831.2	742.6	688.8	635.1	558.7	503.4	473.9	474.6	473.9
102.5°	873.6	981.1	993.9	951.5	922.4	893.3	838.0	797.1	773.6	751.7	773.6
105°	825.9	984.1	1059.8	1074.2	1064.4	1054.5	1019.7	990.9	966.7	962.9	966.7
107.5°	757.8	938.7	1057.5	1116.6	1126.8	1137.0	1132.5	1118.8	1109.0	1100.7	1109.0
110°	694.2	867.5	1006.8	1102.2	1128.7	1155.2	1176.4	1182.4	1180.9	1179.4	1180.9

TEST NUMBER: P1011636

CATALOG NUMBER: S123DIP-B340D805UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	638.9	797.1	940.2	1050.0	1086.0	1121.9	1165.0	1187.0	1194.5	1195.3	1194.5
115°	596.5	736.6	868.3	979.6	1020.8	1062.1	1118.8	1152.1	1167.3	1171.1	1167.3
117.5°	568.5	689.6	806.2	908.4	951.2	993.9	1053.0	1090.1	1112.8	1118.1	1112.8
120°	547.3	654.0	756.2	847.1	885.3	923.5	983.3	1025.7	1043.9	1048.4	1043.9
122.5°	529.9	626.0	716.1	798.6	833.4	868.3	919.7	956.8	977.3	983.3	977.3
125°	515.5	601.8	684.3	757.0	787.3	817.6	866.0	899.3	918.2	923.5	918.2
127.5°	501.9	579.9	654.8	721.4	749.4	777.4	821.3	850.1	867.5	872.1	867.5
130°	491.3	559.4	627.5	688.9	714.6	740.3	780.5	807.7	823.6	829.7	823.6
132.5°	481.4	540.5	601.8	657.8	682.0	706.3	743.4	770.6	784.2	788.0	784.2
135°	473.1	523.8	577.6	626.8	648.3	669.9	707.0	729.7	743.4	748.7	743.4
137.5°	465.6	507.9	553.4	597.3	616.6	635.9	667.7	691.1	702.5	707.0	702.5
140°	458.7	494.3	532.9	569.3	585.6	601.8	630.6	651.8	663.9	663.1	663.9
142.5°	452.7	481.4	513.2	543.5	557.2	570.8	594.2	612.4	623.0	622.2	623.0
145°	447.4	471.6	496.6	520.8	531.8	542.8	561.7	577.6	583.6	585.2	583.6
147.5°	442.1	463.3	483.7	504.2	512.2	520.1	535.2	546.6	552.6	553.4	552.6
150°	436.8	454.2	471.6	487.5	494.7	501.9	513.2	521.6	526.1	526.1	526.1
152.5°	430.7	445.9	460.3	473.9	479.6	485.2	493.6	501.1	503.4	503.4	503.4
155°	424.7	437.5	449.7	461.0	465.6	470.1	476.9	483.0	484.5	485.2	484.5
157.5°	417.9	428.5	439.1	448.1	451.9	455.7	461.8	466.3	467.8	467.8	467.8
160°	411.0	420.9	429.2	436.8	439.4	442.1	447.4	451.9	451.9	451.2	451.9
162.5°	404.2	411.8	418.6	425.4	427.7	430.0	433.0	436.8	436.8	436.0	436.8
165°	398.2	404.2	408.8	414.1	416.0	417.9	420.9	423.9	423.2	423.2	423.2
167.5°	392.1	397.4	401.2	404.2	405.8	407.3	408.8	411.0	410.3	410.3	410.3
170°	386.8	390.6	392.9	395.9	396.6	397.4	398.2	399.7	398.9	398.9	398.9
172.5°	381.5	384.6	386.1	388.3	388.7	389.1	389.1	390.6	389.1	388.3	389.1
175°	377.7	379.3	380.0	381.5	381.5	381.5	381.5	382.3	381.5	380.8	381.5
177.5°	374.7	375.5	376.2	377.0	377.0	377.0	376.2	377.0	375.5	375.5	375.5
180°	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0

TEST NUMBER: P1011636

CATALOG NUMBER: S123DIP-B340D805UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2
2.5°	497.5	498.8	495.2	494.3	494.3	496.1	494.8	482.6	484.9	482.2	481.3
5°	552.4	549.7	546.1	544.3	542.0	535.7	535.3	521.3	518.6	509.6	505.6
7.5°	612.6	610.4	599.6	598.2	597.3	591.5	576.6	561.8	551.0	540.7	530.8
10°	681.4	674.7	669.7	659.9	654.9	646.8	627.5	613.5	595.1	579.3	558.6
12.5°	764.2	756.6	739.9	732.7	726.4	703.9	684.6	668.8	632.9	622.1	596.4
15°	824.9	808.7	806.9	791.2	790.3	765.6	728.7	711.6	683.7	644.1	617.6
17.5°	890.6	876.2	865.0	846.1	843.4	820.0	793.0	751.2	720.6	682.8	649.1
20°	938.7	931.1	911.7	904.1	888.3	868.6	840.7	788.9	751.6	713.8	672.4
22.5°	977.0	969.3	954.0	943.7	934.7	909.0	875.8	831.7	780.4	730.9	688.2
25°	976.5	974.3	968.0	963.0	956.3	937.4	909.5	867.2	810.1	755.7	696.3
27.5°	921.2	927.5	938.3	943.7	942.3	939.6	923.9	888.3	837.1	772.3	705.7
30°	806.0	829.0	849.2	876.2	884.3	904.1	913.1	892.8	851.9	791.6	717.9
32.5°	668.4	701.7	745.8	760.6	786.2	824.5	867.2	874.9	849.2	802.9	725.5
35°	548.3	575.7	609.9	633.3	656.3	718.3	772.3	819.1	827.6	797.0	723.7
37.5°	453.8	473.2	503.3	523.1	544.3	597.3	672.9	733.6	776.3	777.2	718.8
40°	385.5	394.0	420.1	434.5	454.7	500.6	568.1	647.3	709.8	738.6	705.7
42.5°	326.6	337.8	359.4	370.2	383.2	423.3	467.8	542.9	620.3	681.9	681.4
45°	291.5	299.6	309.5	318.5	333.3	357.1	408.0	464.2	538.4	608.1	635.6
47.5°	260.4	268.1	278.0	280.7	290.6	313.1	344.1	393.1	462.4	531.7	583.4
50°	234.3	240.6	247.4	252.3	256.8	275.3	298.7	340.0	395.4	462.4	526.7
52.5°	214.1	218.6	224.4	227.1	231.2	244.7	262.7	293.3	338.7	399.9	462.4
55°	195.2	198.4	202.0	206.5	208.3	218.2	232.1	258.2	291.9	346.8	406.2
57.5°	177.7	179.0	181.3	184.0	186.2	194.8	206.9	224.4	254.1	296.4	352.6
60°	157.9	161.5	162.8	165.5	166.9	173.6	183.1	197.9	220.9	257.3	299.6
62.5°	141.2	143.5	145.7	147.1	150.2	152.5	160.1	173.6	192.5	219.5	257.7
65°	126.4	127.3	128.6	130.0	130.9	133.6	140.8	149.8	164.2	188.0	217.7
67.5°	109.3	110.2	112.0	112.4	113.3	116.9	121.0	128.6	140.8	158.8	183.1
70°	92.7	94.0	94.9	95.8	97.2	98.5	103.0	109.3	118.7	131.3	150.2
72.5°	78.3	79.6	79.6	80.5	80.1	81.9	86.4	90.9	97.2	107.5	124.1
75°	63.9	63.9	64.8	65.2	65.7	67.5	69.3	72.9	77.8	85.9	96.3
77.5°	50.4	49.9	50.8	50.8	50.8	52.2	54.0	55.8	58.9	64.8	72.9
80°	36.9	36.9	37.8	38.2	37.3	37.8	38.7	40.5	42.7	46.8	51.3
82.5°	24.3	26.1	25.6	26.1	25.6	26.5	27.0	27.4	28.3	30.1	33.3
85°	14.8	14.8	14.8	15.3	14.8	15.3	15.3	15.3	15.7	16.6	18.0
87.5°	6.3	6.3	6.3	6.7	6.3	6.3	6.7	6.3	6.7	6.7	7.2
90°	22.0	21.2	22.0	21.2	20.4	19.7	18.9	18.2	18.9	16.7	14.4
92.5°	40.9	43.9	45.4	48.0	50.7	58.3	74.9	105.2	140.8	155.9	116.6
95°	96.1	103.0	117.3	131.0	144.6	184.7	272.5	364.1	448.9	399.7	275.5
97.5°	206.7	235.4	286.1	329.2	372.4	472.4	626.0	713.8	690.4	515.5	306.6
100°	503.4	558.7	635.1	688.8	742.6	831.2	892.5	866.0	716.9	484.5	285.4
102.5°	797.1	838.0	893.3	922.4	951.5	993.9	981.1	873.6	667.7	439.1	267.2
105°	990.9	1019.7	1054.5	1064.4	1074.2	1059.8	984.1	825.9	608.6	403.5	260.4
107.5°	1118.8	1132.5	1137.0	1126.8	1116.6	1057.5	938.7	757.8	556.4	377.7	258.9
110°	1182.4	1176.4	1155.2	1128.7	1102.2	1006.8	867.5	694.2	513.2	364.1	262.7

TEST NUMBER: P1011636

CATALOG NUMBER: S123DIP-B340D805UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1187.0	1165.0	1121.9	1086.0	1050.0	940.2	797.1	638.9	484.5	356.5	270.2
115°	1152.1	1118.8	1062.1	1020.8	979.6	868.3	736.6	596.5	465.6	355.8	278.6
117.5°	1090.1	1053.0	993.9	951.2	908.4	806.2	689.6	568.5	452.7	356.5	289.2
120°	1025.7	983.3	923.5	885.3	847.1	756.2	654.0	547.3	444.4	359.6	301.3
122.5°	956.8	919.7	868.3	833.4	798.6	716.1	626.0	529.9	439.1	364.9	312.6
125°	899.3	866.0	817.6	787.3	757.0	684.3	601.8	515.5	434.5	370.2	324.8
127.5°	850.1	821.3	777.4	749.4	721.4	654.8	579.9	501.9	432.2	376.2	334.6
130°	807.7	780.5	740.3	714.6	688.9	627.5	559.4	491.3	430.0	382.3	344.4
132.5°	770.6	743.4	706.3	682.0	657.8	601.8	540.5	481.4	429.2	386.8	353.5
135°	729.7	707.0	669.9	648.3	626.8	577.6	523.8	473.1	428.5	391.4	361.1
137.5°	691.1	667.7	635.9	616.6	597.3	553.4	507.9	465.6	426.9	394.4	367.1
140°	651.8	630.6	601.8	585.6	569.3	532.9	494.3	458.7	426.2	397.4	371.7
142.5°	612.4	594.2	570.8	557.2	543.5	513.2	481.4	452.7	424.7	399.7	376.2
145°	577.6	561.7	542.8	531.8	520.8	496.6	471.6	447.4	423.2	400.5	379.3
147.5°	546.6	535.2	520.1	512.2	504.2	483.7	463.3	442.1	420.9	400.5	381.5
150°	521.6	513.2	501.9	494.7	487.5	471.6	454.2	436.8	417.9	400.5	382.3
152.5°	501.1	493.6	485.2	479.6	473.9	460.3	445.9	430.7	414.1	398.2	383.8
155°	483.0	476.9	470.1	465.6	461.0	449.7	437.5	424.7	409.5	396.7	383.8
157.5°	466.3	461.8	455.7	451.9	448.1	439.1	428.5	417.9	405.7	394.4	384.6
160°	451.9	447.4	442.1	439.4	436.8	429.2	420.9	411.0	401.2	392.9	384.6
162.5°	436.8	433.0	430.0	427.7	425.4	418.6	411.8	404.2	396.7	389.9	383.8
165°	423.9	420.9	417.9	416.0	414.1	408.8	404.2	398.2	392.1	386.8	382.3
167.5°	411.0	408.8	407.3	405.8	404.2	401.2	397.4	392.1	387.6	383.8	381.5
170°	399.7	398.2	397.4	396.6	395.9	392.9	390.6	386.8	383.0	380.8	379.3
172.5°	390.6	389.1	389.1	388.7	388.3	386.1	384.6	381.5	379.3	378.5	378.5
175°	382.3	381.5	381.5	381.5	381.5	380.0	379.3	377.7	376.2	376.2	377.0
177.5°	377.0	376.2	377.0	377.0	377.0	376.2	375.5	374.7	374.0	374.7	376.2
180°	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0

TEST NUMBER: P1011636

CATALOG NUMBER: S123DIP-B340D805UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2
2.5°	476.8	475.4	475.4	474.5	471.8	466.9	466.4	467.3	464.6	461.9	457.9
5°	500.2	491.6	488.9	486.2	480.8	471.8	468.2	465.1	460.1	454.3	448.0
7.5°	520.0	507.8	504.2	499.3	488.5	475.9	467.8	461.0	454.3	446.2	438.6
10°	544.7	527.2	518.6	511.4	496.6	479.0	466.9	457.0	446.2	436.3	426.4
12.5°	572.6	544.3	541.6	524.0	506.9	480.8	466.0	451.6	437.2	425.1	414.7
15°	596.0	564.9	553.7	542.0	509.2	476.8	462.4	446.2	429.6	416.5	401.2
17.5°	610.8	585.2	561.3	545.6	511.4	482.6	454.7	436.3	418.8	400.8	388.2
20°	628.8	591.5	570.8	549.7	515.9	478.1	450.2	427.3	405.7	389.5	374.2
22.5°	646.8	596.4	579.3	556.4	516.8	473.6	442.1	419.2	394.5	378.3	361.6
25°	645.0	603.6	575.3	555.9	507.8	469.6	432.7	405.7	382.8	362.1	345.4
27.5°	646.4	595.5	566.7	544.3	501.5	463.7	422.8	394.5	370.6	349.0	331.5
30°	646.8	583.4	558.2	531.2	489.8	449.8	411.6	382.8	357.6	334.2	318.5
32.5°	645.5	573.5	542.0	517.7	471.4	436.3	398.5	367.9	342.3	320.7	305.9
35°	642.3	561.8	525.4	494.8	452.5	417.0	386.4	354.9	327.5	307.7	290.6
37.5°	633.8	549.2	507.8	477.7	430.5	394.5	367.5	341.4	314.9	291.5	277.1
40°	627.5	532.1	490.3	457.4	406.6	371.5	349.0	324.3	298.2	277.1	263.1
42.5°	613.1	515.9	472.3	433.2	383.2	347.2	326.1	306.3	283.8	263.1	250.5
45°	589.7	498.4	450.2	410.7	357.6	323.4	304.1	287.9	268.1	248.3	235.7
47.5°	556.8	473.2	426.9	387.3	332.4	297.8	278.4	266.3	250.5	233.9	223.1
50°	521.3	445.7	403.0	363.9	308.1	274.4	255.5	244.2	233.9	218.6	208.3
52.5°	475.0	416.5	375.6	338.2	282.0	249.6	233.0	224.9	214.1	203.3	194.3
55°	430.0	378.7	345.0	309.5	256.4	226.2	210.1	201.5	195.2	186.2	179.0
57.5°	377.8	343.6	312.6	280.2	232.5	205.1	189.8	179.5	175.4	171.4	164.6
60°	329.7	303.6	278.4	251.4	207.8	183.1	168.2	160.1	156.1	153.4	148.9
62.5°	285.6	265.4	243.8	222.2	182.6	160.1	148.9	140.8	137.2	136.7	132.7
65°	243.3	228.9	211.4	190.3	159.2	139.4	128.6	123.7	119.6	119.6	116.5
67.5°	201.1	191.2	177.2	162.4	138.1	119.6	109.8	105.3	103.0	103.0	100.8
70°	167.3	160.6	148.0	134.9	113.8	99.9	92.2	88.2	86.8	87.3	85.5
72.5°	135.8	128.6	118.3	108.9	93.1	82.8	77.4	72.9	70.6	71.1	70.6
75°	105.3	101.7	92.7	85.5	72.9	65.7	60.7	58.5	56.7	57.1	56.2
77.5°	79.2	73.8	68.8	63.9	56.2	50.4	46.3	44.1	42.7	42.7	42.7
80°	54.0	53.1	49.0	46.3	40.0	35.5	32.4	31.9	30.6	30.6	30.6
82.5°	35.1	32.8	30.6	28.8	25.2	22.5	21.1	20.2	19.8	19.3	20.2
85°	19.3	18.0	17.1	15.3	13.9	12.6	11.2	10.8	10.3	10.8	10.3
87.5°	7.6	6.3	6.3	5.8	5.4	4.9	4.9	4.0	4.0	3.6	3.6
90°	12.1	9.8	9.0	8.3	6.8	4.5	3.0	1.5	3.0	4.5	6.8
92.5°	76.5	52.2	45.4	38.6	31.0	24.2	16.7	11.4	16.7	24.2	31.0
95°	162.8	98.4	83.6	68.9	49.2	36.3	28.0	25.7	28.0	36.3	49.2
97.5°	175.6	112.0	95.8	79.5	59.8	48.4	41.6	40.9	41.6	48.4	59.8
100°	173.4	120.4	105.6	90.8	72.7	62.1	56.8	56.0	56.8	62.1	72.7
102.5°	176.4	130.2	117.0	103.7	87.8	78.0	73.4	71.9	73.4	78.0	87.8
105°	182.4	141.6	129.8	118.1	103.7	94.6	90.1	87.8	90.1	94.6	103.7
107.5°	192.3	155.9	145.0	134.0	120.4	111.3	106.7	104.5	106.7	111.3	120.4
110°	205.1	171.1	160.5	149.9	137.0	128.7	124.9	122.6	124.9	128.7	137.0

TEST NUMBER: P1011636

CATALOG NUMBER: S123DIP-B340D805UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	218.0	187.0	176.8	166.5	153.7	145.3	141.6	139.3	141.6	145.3	153.7
115°	232.4	203.6	193.4	183.2	170.3	162.8	158.2	155.2	158.2	162.8	170.3
117.5°	247.5	218.8	209.3	199.8	185.5	178.7	174.9	171.1	174.9	178.7	185.5
120°	261.9	234.7	225.2	215.7	201.4	193.8	190.0	187.7	190.0	193.8	201.4
122.5°	277.1	250.6	240.4	230.1	216.5	208.2	204.4	202.1	204.4	208.2	216.5
125°	291.4	264.9	254.7	244.5	230.1	221.8	217.3	215.7	217.3	221.8	230.1
127.5°	304.3	278.6	268.4	258.1	242.2	233.9	228.6	226.3	228.6	233.9	242.2
130°	315.7	290.7	280.4	270.2	254.4	245.3	238.5	236.2	238.5	245.3	254.4
132.5°	325.5	301.3	291.5	281.6	265.7	254.4	246.8	243.8	246.8	254.4	265.7
135°	335.3	311.9	301.6	291.4	275.5	264.2	255.9	252.8	255.9	264.2	275.5
137.5°	342.2	319.5	310.0	300.5	284.6	272.5	264.2	261.2	264.2	272.5	284.6
140°	349.0	327.0	317.6	308.1	293.0	280.8	273.3	269.5	273.3	280.8	293.0
142.5°	354.3	333.1	324.4	315.7	300.5	289.9	281.6	278.6	281.6	289.9	300.5
145°	358.8	339.1	330.4	321.7	308.9	297.5	290.7	288.4	290.7	297.5	308.9
147.5°	362.6	344.4	336.8	329.3	316.4	306.6	299.8	298.3	299.8	306.6	316.4
150°	366.4	349.0	342.2	335.3	324.8	314.9	308.9	308.1	308.9	314.9	324.8
152.5°	368.7	354.3	347.8	341.4	332.3	324.0	317.9	317.9	317.9	324.0	332.3
155°	371.7	358.8	353.5	348.2	339.9	332.3	327.8	327.8	327.8	332.3	339.9
157.5°	373.2	362.6	358.5	354.3	346.7	339.9	336.1	335.3	336.1	339.9	346.7
160°	375.5	366.4	362.6	358.8	353.5	347.5	344.4	344.4	344.4	347.5	353.5
162.5°	376.2	368.7	365.6	362.6	358.1	353.5	351.2	351.2	351.2	353.5	358.1
165°	377.0	370.9	368.2	365.6	362.6	358.8	357.3	358.1	357.3	358.8	362.6
167.5°	377.0	372.4	370.5	368.7	366.4	363.4	362.6	363.4	362.6	363.4	366.4
170°	376.2	372.4	371.6	370.9	369.4	367.1	366.4	367.9	366.4	367.1	369.4
172.5°	376.2	373.2	372.8	372.4	371.7	370.2	370.2	370.9	370.2	370.2	371.7
175°	375.5	374.0	373.6	373.2	373.2	371.7	372.4	373.2	372.4	371.7	373.2
177.5°	374.7	374.0	374.0	374.0	374.0	373.2	374.0	374.7	374.0	373.2	374.0
180°	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0

TEST NUMBER: P1011636

CATALOG NUMBER: S123DIP-B340D805UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2
2.5°	457.0	456.5	457.4	454.7	450.2	448.0	441.7	440.4	439.9	440.4	440.8
5°	444.4	443.9	442.6	438.1	432.7	428.7	421.0	420.6	417.9	415.2	416.5
7.5°	432.3	430.5	427.8	421.9	414.7	410.2	403.9	399.4	395.8	393.6	391.8
10°	420.1	417.4	414.7	407.1	398.1	391.3	383.7	380.1	376.0	374.2	372.4
12.5°	404.4	401.7	396.7	387.7	382.3	373.8	366.1	362.5	360.3	356.7	354.4
15°	391.8	386.4	383.7	374.2	363.0	362.1	348.1	347.2	342.7	342.7	339.1
17.5°	377.4	373.3	368.4	358.9	350.8	342.7	335.5	332.8	328.8	327.9	326.1
20°	363.4	358.0	356.2	346.8	338.2	328.4	320.7	318.0	316.2	314.4	315.8
22.5°	349.0	344.5	340.0	331.5	325.2	315.3	310.8	308.1	305.4	304.5	305.0
25°	335.1	331.1	326.6	318.0	311.3	303.2	299.1	297.8	296.4	296.4	296.0
27.5°	321.6	317.6	313.5	305.9	299.1	293.3	290.1	288.8	287.4	288.3	289.2
30°	307.7	304.1	300.5	293.7	288.3	282.9	281.1	280.2	279.8	282.0	282.0
32.5°	295.1	291.9	289.2	282.9	277.5	273.0	271.7	272.1	272.6	273.9	274.8
35°	282.0	279.8	277.1	271.7	267.2	263.1	263.6	263.6	264.5	266.7	268.5
37.5°	270.3	267.2	264.9	260.4	256.8	253.2	254.6	255.9	256.8	259.5	260.4
40°	256.4	255.0	253.2	248.7	245.6	245.1	245.6	246.5	248.3	249.6	251.0
42.5°	245.1	243.3	241.1	237.5	234.8	235.2	235.7	236.6	237.5	239.7	241.1
45°	232.5	231.2	229.4	226.2	224.0	224.4	224.9	224.9	225.8	228.5	229.4
47.5°	218.6	219.1	216.8	213.7	212.3	212.3	212.3	213.2	215.5	216.4	216.8
50°	205.1	204.2	203.8	200.6	199.7	199.3	199.7	200.2	203.3	202.9	204.2
52.5°	190.7	190.7	190.3	188.5	187.1	187.1	186.2	188.5	189.4	190.3	191.6
55°	176.8	175.4	175.0	174.1	172.3	171.8	172.7	175.4	176.3	177.2	178.6
57.5°	161.5	161.5	160.6	159.2	159.2	159.2	159.2	161.0	162.4	163.3	166.0
60°	147.5	145.7	144.4	144.4	144.4	143.9	146.6	146.6	149.3	149.8	150.7
62.5°	130.9	130.0	129.1	129.5	129.1	130.0	130.9	132.7	133.1	134.5	135.8
65°	115.1	115.1	114.2	116.9	115.1	115.1	117.4	117.4	118.3	119.6	121.4
67.5°	99.9	100.3	99.4	99.4	100.3	100.8	101.2	103.0	103.5	105.3	107.5
70°	84.1	85.0	85.5	84.6	85.5	86.4	87.3	87.7	89.5	90.4	91.8
72.5°	70.2	71.1	69.7	70.2	70.6	71.5	72.0	72.9	73.8	76.5	77.4
75°	56.2	55.8	55.3	57.1	56.2	58.0	58.5	58.5	59.4	61.6	62.5
77.5°	43.2	43.2	43.6	42.7	44.1	43.6	44.1	45.4	46.8	46.8	50.4
80°	30.1	31.0	31.0	31.0	31.5	31.9	31.0	33.3	33.7	33.7	35.1
82.5°	19.3	19.8	19.3	20.2	20.2	21.1	20.7	21.1	22.0	22.9	23.4
85°	10.3	10.3	11.2	11.2	10.8	11.2	10.8	11.2	12.1	12.1	12.6
87.5°	3.6	3.6	3.6	3.6	4.0	3.6	4.0	4.0	3.6	3.6	4.9
90°	8.3	9.0	9.8	12.1	14.4	16.7	18.9	18.2	18.9	19.7	20.4
92.5°	38.6	45.4	52.2	76.5	116.6	155.9	140.8	105.2	74.9	58.3	50.7
95°	68.9	83.6	98.4	162.8	275.5	399.7	448.9	364.1	272.5	184.7	144.6
97.5°	79.5	95.8	112.0	175.6	306.6	515.5	690.4	713.8	626.0	472.4	372.4
100°	90.8	105.6	120.4	173.4	285.4	484.5	716.9	866.0	892.5	831.2	742.6
102.5°	103.7	117.0	130.2	176.4	267.2	439.1	667.7	873.6	981.1	993.9	951.5
105°	118.1	129.8	141.6	182.4	260.4	403.5	608.6	825.9	984.1	1059.8	1074.2
107.5°	134.0	145.0	155.9	192.3	258.9	377.7	556.4	757.8	938.7	1057.5	1116.6
110°	149.9	160.5	171.1	205.1	262.7	364.1	513.2	694.2	867.5	1006.8	1102.2

TEST NUMBER: P1011636

CATALOG NUMBER: S123DIP-B340D805UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	166.5	176.8	187.0	218.0	270.2	356.5	484.5	638.9	797.1	940.2	1050.0
115°	183.2	193.4	203.6	232.4	278.6	355.8	465.6	596.5	736.6	868.3	979.6
117.5°	199.8	209.3	218.8	247.5	289.2	356.5	452.7	568.5	689.6	806.2	908.4
120°	215.7	225.2	234.7	261.9	301.3	359.6	444.4	547.3	654.0	756.2	847.1
122.5°	230.1	240.4	250.6	277.1	312.6	364.9	439.1	529.9	626.0	716.1	798.6
125°	244.5	254.7	264.9	291.4	324.8	370.2	434.5	515.5	601.8	684.3	757.0
127.5°	258.1	268.4	278.6	304.3	334.6	376.2	432.2	501.9	579.9	654.8	721.4
130°	270.2	280.4	290.7	315.7	344.4	382.3	430.0	491.3	559.4	627.5	688.9
132.5°	281.6	291.5	301.3	325.5	353.5	386.8	429.2	481.4	540.5	601.8	657.8
135°	291.4	301.6	311.9	335.3	361.1	391.4	428.5	473.1	523.8	577.6	626.8
137.5°	300.5	310.0	319.5	342.2	367.1	394.4	426.9	465.6	507.9	553.4	597.3
140°	308.1	317.6	327.0	349.0	371.7	397.4	426.2	458.7	494.3	532.9	569.3
142.5°	315.7	324.4	333.1	354.3	376.2	399.7	424.7	452.7	481.4	513.2	543.5
145°	321.7	330.4	339.1	358.8	379.3	400.5	423.2	447.4	471.6	496.6	520.8
147.5°	329.3	336.8	344.4	362.6	381.5	400.5	420.9	442.1	463.3	483.7	504.2
150°	335.3	342.2	349.0	366.4	382.3	400.5	417.9	436.8	454.2	471.6	487.5
152.5°	341.4	347.8	354.3	368.7	383.8	398.2	414.1	430.7	445.9	460.3	473.9
155°	348.2	353.5	358.8	371.7	383.8	396.7	409.5	424.7	437.5	449.7	461.0
157.5°	354.3	358.5	362.6	373.2	384.6	394.4	405.7	417.9	428.5	439.1	448.1
160°	358.8	362.6	366.4	375.5	384.6	392.9	401.2	411.0	420.9	429.2	436.8
162.5°	362.6	365.6	368.7	376.2	383.8	389.9	396.7	404.2	411.8	418.6	425.4
165°	365.6	368.2	370.9	377.0	382.3	386.8	392.1	398.2	404.2	408.8	414.1
167.5°	368.7	370.5	372.4	377.0	381.5	383.8	387.6	392.1	397.4	401.2	404.2
170°	370.9	371.6	372.4	376.2	379.3	380.8	383.0	386.8	390.6	392.9	395.9
172.5°	372.4	372.8	373.2	376.2	378.5	378.5	379.3	381.5	384.6	386.1	388.3
175°	373.2	373.6	374.0	375.5	377.0	376.2	376.2	377.7	379.3	380.0	381.5
177.5°	374.0	374.0	374.0	374.7	376.2	374.7	374.0	374.7	375.5	376.2	377.0
180°	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0

TEST NUMBER: P1011636

CATALOG NUMBER: S123DIP-B340D805UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2
2.5°	440.4	440.8	439.0	437.7	441.3	439.0	439.0	439.5	438.6	439.9	439.5
5°	415.6	416.1	412.9	413.8	412.0	411.6	411.1	413.8	413.4	412.9	413.8
7.5°	391.3	391.3	390.0	389.1	389.1	387.7	389.5	389.1	390.0	390.0	391.3
10°	371.1	372.0	369.7	367.5	367.0	367.5	367.5	367.9	368.4	371.5	371.1
12.5°	354.4	353.1	352.6	351.3	349.0	348.1	347.2	352.2	350.8	350.8	350.8
15°	336.0	339.1	338.7	334.6	333.7	335.5	334.6	334.6	339.1	338.7	338.2
17.5°	326.1	325.2	324.3	322.1	322.5	322.1	322.5	322.5	325.2	325.2	325.2
20°	314.9	313.1	313.1	312.2	312.2	310.8	312.6	313.1	314.9	314.9	315.3
22.5°	305.0	303.6	303.6	303.2	304.1	302.3	304.1	304.5	304.5	305.9	305.9
25°	296.4	295.5	295.5	296.4	296.4	296.4	296.4	298.2	296.9	297.3	296.9
27.5°	288.8	289.2	289.7	290.1	289.7	290.1	290.6	291.5	291.9	291.5	290.6
30°	281.6	282.9	283.4	283.4	284.3	284.7	285.2	285.2	285.6	284.3	285.2
32.5°	276.2	276.2	277.1	277.5	278.4	278.9	278.9	279.8	279.3	278.0	278.4
35°	268.5	268.5	270.3	271.2	272.6	272.1	272.6	272.6	273.0	272.1	270.8
37.5°	260.9	261.8	261.8	263.6	264.0	264.5	264.0	264.9	264.5	263.6	263.1
40°	251.9	251.4	251.9	253.2	253.7	253.7	253.7	254.6	254.6	254.6	254.1
42.5°	240.6	242.0	241.5	242.9	242.4	242.4	243.3	244.2	244.7	243.3	243.8
45°	229.8	229.8	230.7	230.7	231.2	231.2	233.0	232.1	233.0	232.1	232.5
47.5°	218.2	218.6	218.6	219.1	220.0	220.9	220.0	220.4	220.4	220.9	220.0
50°	205.1	205.1	206.0	207.4	209.2	208.3	207.8	209.6	208.3	208.3	207.4
52.5°	191.6	193.0	193.4	194.8	196.1	196.6	197.0	196.1	196.6	195.2	195.7
55°	178.6	179.0	180.8	182.2	183.5	183.5	183.1	183.5	184.0	182.2	182.2
57.5°	165.5	166.9	168.7	168.7	170.5	170.5	170.0	170.0	170.5	169.1	168.7
60°	151.6	152.9	155.2	155.2	157.9	158.3	157.4	156.5	156.5	155.2	155.6
62.5°	136.7	138.1	139.4	141.7	143.5	142.6	144.4	142.6	143.0	140.3	140.3
65°	123.7	124.1	126.4	128.6	128.6	129.5	128.6	129.1	127.7	127.7	125.9
67.5°	108.4	108.4	110.6	112.9	115.1	115.1	115.1	113.8	113.8	112.4	112.4
70°	94.9	94.5	96.7	98.1	99.4	99.9	99.0	98.5	97.6	96.3	95.8
72.5°	78.3	79.2	81.4	82.3	84.6	84.1	86.4	83.7	83.7	81.4	81.0
75°	63.4	64.3	66.6	67.9	69.3	69.3	70.6	69.3	67.5	66.6	66.1
77.5°	50.4	49.9	51.7	54.0	54.4	54.0	54.9	54.4	52.6	52.6	51.7
80°	36.0	37.3	39.1	38.7	40.5	40.0	40.0	39.1	39.1	37.8	38.7
82.5°	23.8	25.2	25.6	25.2	25.6	26.5	27.0	26.5	26.5	25.6	26.1
85°	12.6	12.6	13.5	13.9	13.5	13.5	13.9	15.3	14.4	13.5	14.4
87.5°	4.0	3.6	3.6	4.0	3.6	3.6	4.0	4.0	4.5	4.5	4.5
90°	21.2	22.0	21.2	22.0	22.7	22.0	22.7	22.0	21.2	22.0	21.2
92.5°	48.0	45.4	43.9	40.9	41.6	40.1	41.6	40.9	43.9	45.4	48.0
95°	131.0	117.3	103.0	96.1	90.8	87.8	90.8	96.1	103.0	117.3	131.0
97.5°	329.2	286.1	235.4	206.7	188.5	180.2	188.5	206.7	235.4	286.1	329.2
100°	688.8	635.1	558.7	503.4	473.9	474.6	473.9	503.4	558.7	635.1	688.8
102.5°	922.4	893.3	838.0	797.1	773.6	751.7	773.6	797.1	838.0	893.3	922.4
105°	1064.4	1054.5	1019.7	990.9	966.7	962.9	966.7	990.9	1019.7	1054.5	1064.4
107.5°	1126.8	1137.0	1132.5	1118.8	1109.0	1100.7	1109.0	1118.8	1132.5	1137.0	1126.8
110°	1128.7	1155.2	1176.4	1182.4	1180.9	1179.4	1180.9	1182.4	1176.4	1155.2	1128.7

TEST NUMBER: P1011636

CATALOG NUMBER: S123DIP-B340D805UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1086.0	1121.9	1165.0	1187.0	1194.5	1195.3	1194.5	1187.0	1165.0	1121.9	1086.0
115°	1020.8	1062.1	1118.8	1152.1	1167.3	1171.1	1167.3	1152.1	1118.8	1062.1	1020.8
117.5°	951.2	993.9	1053.0	1090.1	1112.8	1118.1	1112.8	1090.1	1053.0	993.9	951.2
120°	885.3	923.5	983.3	1025.7	1043.9	1048.4	1043.9	1025.7	983.3	923.5	885.3
122.5°	833.4	868.3	919.7	956.8	977.3	983.3	977.3	956.8	919.7	868.3	833.4
125°	787.3	817.6	866.0	899.3	918.2	923.5	918.2	899.3	866.0	817.6	787.3
127.5°	749.4	777.4	821.3	850.1	867.5	872.1	867.5	850.1	821.3	777.4	749.4
130°	714.6	740.3	780.5	807.7	823.6	829.7	823.6	807.7	780.5	740.3	714.6
132.5°	682.0	706.3	743.4	770.6	784.2	788.0	784.2	770.6	743.4	706.3	682.0
135°	648.3	669.9	707.0	729.7	743.4	748.7	743.4	729.7	707.0	669.9	648.3
137.5°	616.6	635.9	667.7	691.1	702.5	707.0	702.5	691.1	667.7	635.9	616.6
140°	585.6	601.8	630.6	651.8	663.9	663.1	663.9	651.8	630.6	601.8	585.6
142.5°	557.2	570.8	594.2	612.4	623.0	622.2	623.0	612.4	594.2	570.8	557.2
145°	531.8	542.8	561.7	577.6	583.6	585.2	583.6	577.6	561.7	542.8	531.8
147.5°	512.2	520.1	535.2	546.6	552.6	553.4	552.6	546.6	535.2	520.1	512.2
150°	494.7	501.9	513.2	521.6	526.1	526.1	526.1	521.6	513.2	501.9	494.7
152.5°	479.6	485.2	493.6	501.1	503.4	503.4	503.4	501.1	493.6	485.2	479.6
155°	465.6	470.1	476.9	483.0	484.5	485.2	484.5	483.0	476.9	470.1	465.6
157.5°	451.9	455.7	461.8	466.3	467.8	467.8	467.8	466.3	461.8	455.7	451.9
160°	439.4	442.1	447.4	451.9	451.9	451.2	451.9	451.9	447.4	442.1	439.4
162.5°	427.7	430.0	433.0	436.8	436.8	436.0	436.8	436.8	433.0	430.0	427.7
165°	416.0	417.9	420.9	423.9	423.2	423.2	423.2	423.9	420.9	417.9	416.0
167.5°	405.8	407.3	408.8	411.0	410.3	410.3	410.3	411.0	408.8	407.3	405.8
170°	396.6	397.4	398.2	399.7	398.9	398.9	398.9	399.7	398.2	397.4	396.6
172.5°	388.7	389.1	389.1	390.6	389.1	388.3	389.1	390.6	389.1	389.1	388.7
175°	381.5	381.5	381.5	382.3	381.5	380.8	381.5	382.3	381.5	381.5	381.5
177.5°	377.0	377.0	376.2	377.0	375.5	375.5	375.5	377.0	376.2	377.0	377.0
180°	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0

TEST NUMBER: P1011636

CATALOG NUMBER: S123DIP-B340D805UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2
2.5°	440.8	441.7	442.1	440.4	439.0	441.3	444.4	446.6	448.4	450.7	452.0
5°	414.7	417.9	417.9	418.8	420.1	422.4	428.2	432.3	435.9	438.6	440.8
7.5°	392.7	394.9	396.3	398.5	400.8	403.9	410.7	416.5	421.9	425.1	428.7
10°	372.9	374.7	376.9	378.3	382.3	386.8	395.4	400.3	406.6	411.6	416.1
12.5°	354.0	360.3	361.6	361.2	364.8	369.7	378.3	385.9	392.7	397.6	402.6
15°	340.5	342.7	345.4	345.0	352.6	354.0	361.2	370.2	379.2	382.3	386.8
17.5°	325.7	329.3	331.9	333.3	335.5	340.5	347.2	354.0	365.7	366.1	377.8
20°	314.0	317.6	319.4	321.2	322.5	328.4	334.2	341.8	351.3	356.2	362.5
22.5°	306.3	308.1	309.5	310.8	312.6	315.8	323.0	331.5	337.8	343.2	347.2
25°	297.3	299.1	300.9	301.8	303.2	305.0	310.4	317.1	326.1	329.7	333.7
27.5°	291.0	291.0	291.9	291.9	293.7	295.5	299.6	305.9	313.1	317.6	323.0
30°	284.3	283.8	284.3	283.8	283.4	286.1	289.7	295.1	300.0	305.4	309.0
32.5°	277.5	277.1	277.1	277.5	275.7	277.1	278.9	283.8	289.2	291.9	296.0
35°	270.3	269.4	269.4	269.4	268.5	267.6	269.4	273.9	277.5	281.1	284.3
37.5°	263.1	261.8	261.8	260.9	260.0	258.6	258.6	262.2	267.2	268.5	272.6
40°	253.2	253.2	252.3	251.9	251.0	250.1	248.7	251.9	256.4	257.7	260.9
42.5°	243.3	242.0	241.5	241.5	241.5	240.2	239.3	241.5	244.2	246.5	248.3
45°	232.1	231.2	231.6	231.2	230.3	229.8	229.4	230.3	233.4	234.3	236.6
47.5°	220.0	219.5	219.5	219.1	218.6	219.1	217.3	219.5	220.4	221.3	223.1
50°	207.4	206.9	206.5	206.0	206.0	206.5	206.0	206.0	207.8	208.7	210.5
52.5°	194.8	193.4	193.4	193.0	193.0	192.1	193.0	193.4	194.3	195.2	196.1
55°	181.3	181.3	179.9	179.9	179.0	179.0	179.5	179.0	180.8	181.7	181.7
57.5°	168.2	166.4	166.9	166.0	165.1	164.6	164.6	165.5	166.4	166.4	167.3
60°	154.3	152.5	152.0	150.2	151.1	149.8	150.2	150.2	152.0	151.1	152.0
62.5°	140.3	138.1	136.7	135.8	135.8	136.3	135.4	134.9	135.8	136.7	138.5
65°	125.5	124.1	122.8	121.4	121.4	121.0	121.9	120.5	120.1	120.5	121.4
67.5°	110.2	108.9	107.5	106.2	106.6	105.3	104.4	105.7	104.8	105.3	106.2
70°	95.4	94.5	91.8	90.9	90.4	90.9	90.4	89.5	90.9	90.4	90.9
72.5°	80.5	79.6	78.3	76.0	76.0	75.6	75.1	75.1	74.7	74.7	74.7
75°	66.1	64.3	63.0	62.5	61.6	61.2	60.7	59.8	60.3	60.7	59.8
77.5°	51.3	49.0	48.6	48.6	47.2	47.2	47.7	47.2	46.8	46.8	46.8
80°	37.8	36.0	36.0	35.1	34.2	34.2	34.2	34.2	33.7	33.3	33.7
82.5°	24.3	23.8	23.4	23.4	24.3	22.5	23.4	22.9	22.5	22.5	22.0
85°	13.5	13.9	13.5	13.9	13.0	13.5	13.5	13.5	13.0	13.5	12.6
87.5°	4.9	4.9	4.9	5.4	5.4	5.4	5.4	5.4	5.8	5.4	5.4
90°	20.4	19.7	18.9	18.2	18.9	16.7	14.4	12.1	9.8	9.0	8.3
92.5°	50.7	58.3	74.9	105.2	140.8	155.9	116.6	76.5	52.2	45.4	38.6
95°	144.6	184.7	272.5	364.1	448.9	399.7	275.5	162.8	98.4	83.6	68.9
97.5°	372.4	472.4	626.0	713.8	690.4	515.5	306.6	175.6	112.0	95.8	79.5
100°	742.6	831.2	892.5	866.0	716.9	484.5	285.4	173.4	120.4	105.6	90.8
102.5°	951.5	993.9	981.1	873.6	667.7	439.1	267.2	176.4	130.2	117.0	103.7
105°	1074.2	1059.8	984.1	825.9	608.6	403.5	260.4	182.4	141.6	129.8	118.1
107.5°	1116.6	1057.5	938.7	757.8	556.4	377.7	258.9	192.3	155.9	145.0	134.0
110°	1102.2	1006.8	867.5	694.2	513.2	364.1	262.7	205.1	171.1	160.5	149.9

TEST NUMBER: P1011636

CATALOG NUMBER: S123DIP-B340D805UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1050.0	940.2	797.1	638.9	484.5	356.5	270.2	218.0	187.0	176.8	166.5
115°	979.6	868.3	736.6	596.5	465.6	355.8	278.6	232.4	203.6	193.4	183.2
117.5°	908.4	806.2	689.6	568.5	452.7	356.5	289.2	247.5	218.8	209.3	199.8
120°	847.1	756.2	654.0	547.3	444.4	359.6	301.3	261.9	234.7	225.2	215.7
122.5°	798.6	716.1	626.0	529.9	439.1	364.9	312.6	277.1	250.6	240.4	230.1
125°	757.0	684.3	601.8	515.5	434.5	370.2	324.8	291.4	264.9	254.7	244.5
127.5°	721.4	654.8	579.9	501.9	432.2	376.2	334.6	304.3	278.6	268.4	258.1
130°	688.9	627.5	559.4	491.3	430.0	382.3	344.4	315.7	290.7	280.4	270.2
132.5°	657.8	601.8	540.5	481.4	429.2	386.8	353.5	325.5	301.3	291.5	281.6
135°	626.8	577.6	523.8	473.1	428.5	391.4	361.1	335.3	311.9	301.6	291.4
137.5°	597.3	553.4	507.9	465.6	426.9	394.4	367.1	342.2	319.5	310.0	300.5
140°	569.3	532.9	494.3	458.7	426.2	397.4	371.7	349.0	327.0	317.6	308.1
142.5°	543.5	513.2	481.4	452.7	424.7	399.7	376.2	354.3	333.1	324.4	315.7
145°	520.8	496.6	471.6	447.4	423.2	400.5	379.3	358.8	339.1	330.4	321.7
147.5°	504.2	483.7	463.3	442.1	420.9	400.5	381.5	362.6	344.4	336.8	329.3
150°	487.5	471.6	454.2	436.8	417.9	400.5	382.3	366.4	349.0	342.2	335.3
152.5°	473.9	460.3	445.9	430.7	414.1	398.2	383.8	368.7	354.3	347.8	341.4
155°	461.0	449.7	437.5	424.7	409.5	396.7	383.8	371.7	358.8	353.5	348.2
157.5°	448.1	439.1	428.5	417.9	405.7	394.4	384.6	373.2	362.6	358.5	354.3
160°	436.8	429.2	420.9	411.0	401.2	392.9	384.6	375.5	366.4	362.6	358.8
162.5°	425.4	418.6	411.8	404.2	396.7	389.9	383.8	376.2	368.7	365.6	362.6
165°	414.1	408.8	404.2	398.2	392.1	386.8	382.3	377.0	370.9	368.2	365.6
167.5°	404.2	401.2	397.4	392.1	387.6	383.8	381.5	377.0	372.4	370.5	368.7
170°	395.9	392.9	390.6	386.8	383.0	380.8	379.3	376.2	372.4	371.6	370.9
172.5°	388.3	386.1	384.6	381.5	379.3	378.5	378.5	376.2	373.2	372.8	372.4
175°	381.5	380.0	379.3	377.7	376.2	376.2	377.0	375.5	374.0	373.6	373.2
177.5°	377.0	376.2	375.5	374.7	374.0	374.7	376.2	374.7	374.0	374.0	374.0
180°	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0

TEST NUMBER: P1011636

CATALOG NUMBER: S123DIP-B340D805UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	464.2	464.2	464.2	464.2
2.5°	454.3	455.6	460.1	465.5
5°	445.3	448.9	455.2	463.7
7.5°	435.4	440.8	449.8	460.6
10°	424.2	431.8	443.0	456.5
12.5°	412.0	421.9	436.3	450.2
15°	404.4	414.3	427.3	442.6
17.5°	389.5	401.2	414.7	436.3
20°	374.2	387.3	404.8	426.4
22.5°	362.5	376.5	393.1	416.1
25°	348.6	363.0	381.0	404.8
27.5°	333.7	348.1	368.4	393.6
30°	322.5	336.4	355.8	382.8
32.5°	309.0	322.5	342.7	371.1
35°	293.7	309.0	328.4	357.1
37.5°	282.0	296.0	316.2	343.6
40°	269.4	281.6	301.4	328.4
42.5°	255.9	269.4	286.5	313.5
45°	243.3	253.2	270.8	296.4
47.5°	229.8	241.1	254.6	274.4
50°	215.5	224.9	239.7	253.2
52.5°	201.5	209.2	221.7	232.1
55°	186.7	194.3	203.8	210.1
57.5°	172.7	178.1	184.4	188.5
60°	155.6	161.0	165.1	169.1
62.5°	140.3	144.4	146.6	148.9
65°	124.6	126.8	128.2	130.0
67.5°	107.5	109.8	110.2	112.9
70°	91.8	92.2	93.1	94.5
72.5°	76.9	77.8	77.4	78.3
75°	61.6	62.5	61.6	62.5
77.5°	46.8	47.7	47.7	49.0
80°	33.7	34.2	34.6	34.6
82.5°	22.0	23.4	22.5	22.9
85°	12.6	13.0	13.0	13.5
87.5°	5.8	6.3	5.8	6.7
90°	6.8	4.5	3.0	1.5
92.5°	31.0	24.2	16.7	11.4
95°	49.2	36.3	28.0	25.7
97.5°	59.8	48.4	41.6	40.9
100°	72.7	62.1	56.8	56.0
102.5°	87.8	78.0	73.4	71.9
105°	103.7	94.6	90.1	87.8
107.5°	120.4	111.3	106.7	104.5
110°	137.0	128.7	124.9	122.6

TEST NUMBER: P1011636

CATALOG NUMBER: S123DIP-B340D805UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	153.7	145.3	141.6	139.3
115°	170.3	162.8	158.2	155.2
117.5°	185.5	178.7	174.9	171.1
120°	201.4	193.8	190.0	187.7
122.5°	216.5	208.2	204.4	202.1
125°	230.1	221.8	217.3	215.7
127.5°	242.2	233.9	228.6	226.3
130°	254.4	245.3	238.5	236.2
132.5°	265.7	254.4	246.8	243.8
135°	275.5	264.2	255.9	252.8
137.5°	284.6	272.5	264.2	261.2
140°	293.0	280.8	273.3	269.5
142.5°	300.5	289.9	281.6	278.6
145°	308.9	297.5	290.7	288.4
147.5°	316.4	306.6	299.8	298.3
150°	324.8	314.9	308.9	308.1
152.5°	332.3	324.0	317.9	317.9
155°	339.9	332.3	327.8	327.8
157.5°	346.7	339.9	336.1	335.3
160°	353.5	347.5	344.4	344.4
162.5°	358.1	353.5	351.2	351.2
165°	362.6	358.8	357.3	358.1
167.5°	366.4	363.4	362.6	363.4
170°	369.4	367.1	366.4	367.9
172.5°	371.7	370.2	370.2	370.9
175°	373.2	371.7	372.4	373.2
177.5°	374.0	373.2	374.0	374.7
180°	374.0	374.0	374.0	374.0

(END OF REPORT)