

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: P1011634

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

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1011634
REPORT IS A COMBINATION OF REPORTS P989859 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B340D805UB27-4F0-XX-W2A-A
Description: Define 3 Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

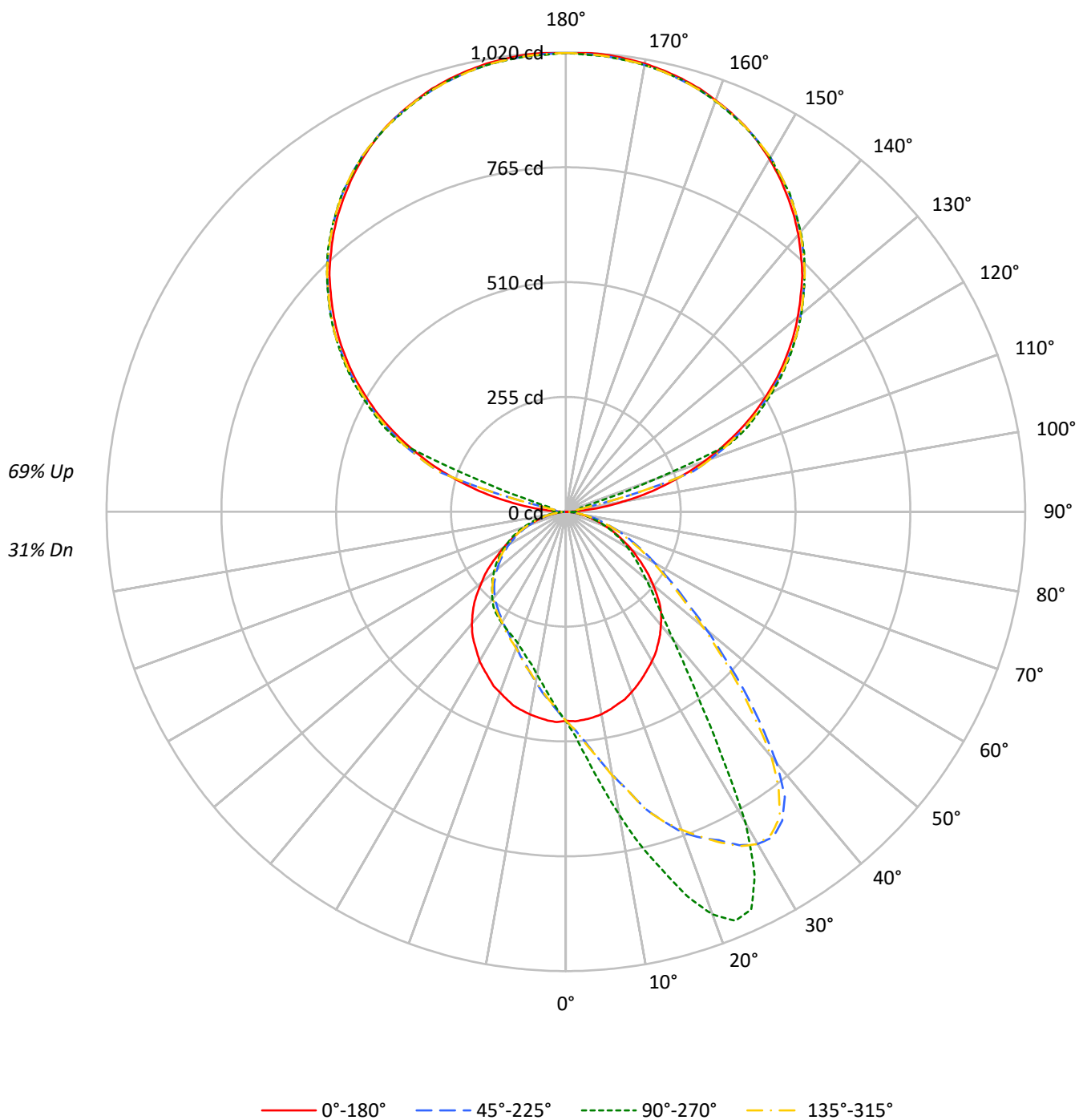
Lumens per Lamp: N/A
Luminaire Lumens: 4509.0 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

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	92	92	92	92	73	73	73	55	55	55	39	39	39
1	94	90	86	83	84	81	78	75	64	62	60	49	47	46	34	34	33
2	85	78	73	68	77	71	66	62	56	53	50	43	41	39	31	29	28
3	78	69	62	56	70	62	56	52	50	45	42	38	35	33	27	25	24
4	71	61	53	48	64	55	49	44	44	39	36	34	31	28	24	22	21
5	65	54	46	41	59	49	42	37	39	35	31	30	27	24	22	20	18
6	60	49	41	35	54	44	37	32	35	31	27	27	24	21	20	18	16
7	56	44	36	31	50	40	33	28	32	27	24	25	21	19	18	16	14
8	51	40	32	27	46	36	29	25	29	24	21	23	19	17	17	14	13
9	48	36	29	24	43	33	26	22	27	22	19	21	17	15	15	13	11
10	45	33	26	21	40	30	24	20	24	20	17	19	16	13	14	12	10

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	1.0
10°-20°	146.6	3.3
20°-30°	246.7	5.5
30°-40°	278.8	6.2
40°-50°	249.7	5.5
50°-60°	201.6	4.5
60°-70°	140.5	3.1
70°-80°	73.7	1.6
80°-90°	19.7	0.4
90°-100°	35.9	0.8
100°-110°	173.7	3.9
110°-120°	425.7	9.4
120°-130°	540.4	12.0
130°-140°	577.3	12.8
140°-150°	539.8	12.0
150°-160°	435.4	9.7
160°-170°	281.0	6.2
170°-180°	96.8	2.1
0°-30°	439.0	9.7
0°-40°	717.8	15.9
0°-60°	1169.1	25.9
0°-90°	1403.0	31.1
90°-120°	635.3	14.1
90°-150°	2292.7	50.8
90°-180°	3106.0	68.9
0°-180°	4509.0	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°	1	23	1	23	1	4
95°	46	29	46	29	46	55
105°	226	33	226	33	226	239
115°	423	445	423	445	423	418
125°	596	609	596	609	596	533
135°	742	750	742	750	742	572
145°	857	865	857	865	857	536
155°	944	942	944	942	944	435
165°	995	993	995	993	995	281
175°	1019	1015	1019	1015	1019	97
180°	1019	1019	1019	1019	1019	

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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°	0.8	2.5	4.1	5.8	7.5	8.3	9.4	11.6	13.8	16.0	18.2
92.5°	17.4	16.4	15.4	14.4	13.4	12.9	13.7	15.2	16.7	18.2	19.7
95°	46.2	39.3	32.4	25.5	18.6	15.1	16.0	17.9	19.8	21.6	23.5
97.5°	84.0	79.3	74.6	69.9	65.2	62.8	58.5	49.9	41.4	32.8	24.2
100°	127.9	131.3	134.7	138.0	141.4	143.1	130.0	103.7	77.5	51.2	25.0
102.5°	177.9	180.1	182.3	184.4	186.6	187.7	173.1	143.8	114.5	85.3	56.0
105°	225.6	227.4	229.3	231.1	233.0	233.9	226.3	211.2	196.1	180.9	165.8
107.5°	276.3	277.8	279.3	280.8	282.3	283.1	284.4	286.9	289.4	291.9	294.4
110°	327.0	328.3	329.7	331.0	332.3	333.0	333.9	335.8	337.7	339.5	341.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	375.4	376.6	377.8	378.9	380.1	380.7	381.6	383.5	385.4	387.2	389.1
115°	423.1	424.1	425.1	426.2	427.2	427.7	428.5	430.0	431.5	433.0	434.5
117.5°	470.1	471.3	472.4	473.6	474.7	475.3	475.7	476.6	477.4	478.3	479.1
120°	513.2	514.7	516.2	517.7	519.2	520.0	520.3	520.8	521.3	521.8	522.3
122.5°	557.1	558.3	559.5	560.6	561.8	562.4	562.7	563.4	564.1	564.7	565.4
125°	596.5	597.8	599.2	600.5	601.8	602.5	602.8	603.5	604.2	604.8	605.5
127.5°	635.8	637.2	638.5	639.9	641.2	641.9	642.3	643.2	644.0	644.9	645.7
130°	672.2	673.5	674.9	676.2	677.5	678.2	678.5	679.2	679.9	680.5	681.2
132.5°	707.0	708.3	709.7	711.0	712.3	713.0	713.3	713.8	714.3	714.8	715.3
135°	742.5	743.5	744.5	745.6	746.6	747.1	747.4	748.1	748.8	749.4	750.1
137.5°	772.8	774.2	775.5	776.9	778.2	778.9	779.1	779.4	779.7	780.1	780.4
140°	803.1	804.1	805.1	806.1	807.1	807.6	807.9	808.4	808.9	809.4	809.9
142.5°	831.1	832.1	833.1	834.1	835.1	835.6	835.9	836.4	836.9	837.4	837.9
145°	856.8	858.0	859.2	860.3	861.5	862.1	862.3	862.6	863.0	863.3	863.7
147.5°	881.8	882.6	883.5	884.3	885.2	885.6	885.8	886.1	886.4	886.8	887.1
150°	904.5	905.0	905.5	906.0	906.5	906.8	907.0	907.3	907.6	908.0	908.3
152.5°	925.0	925.2	925.3	925.5	925.6	925.7	925.8	926.0	926.1	926.3	926.5
155°	943.9	943.6	943.2	942.9	942.6	942.4	942.5	942.6	942.8	942.9	943.1
157.5°	959.0	959.0	959.0	959.0	959.0	959.0	958.9	958.8	958.6	958.5	958.3
160°	972.6	972.4	972.3	972.1	972.0	971.9	971.8	971.6	971.5	971.3	971.1
162.5°	985.5	985.0	984.5	984.0	983.5	983.2	983.1	983.0	982.8	982.7	982.5
165°	995.4	994.9	994.4	993.9	993.4	993.1	993.0	992.8	992.7	992.5	992.3
167.5°	1003.7	1003.0	1002.4	1001.7	1001.0	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7
170°	1010.5	1009.8	1009.2	1008.5	1007.8	1007.5	1007.5	1007.5	1007.5	1007.5	1007.5
172.5°	1015.0	1014.2	1013.4	1012.5	1011.7	1011.3	1011.4	1011.5	1011.7	1011.8	1012.0
175°	1018.8	1018.0	1017.1	1016.3	1015.4	1015.0	1015.1	1015.3	1015.4	1015.6	1015.8
177.5°	1020.3	1019.5	1018.7	1017.8	1017.0	1016.6	1016.7	1016.8	1017.0	1017.1	1017.3
180°	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8

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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°	18.9	19.5	20.2	20.9	21.2	21.4	21.7	22.0	22.4	22.7	22.4
92.5°	20.9	22.1	23.2	24.4	25.0	25.1	25.2	25.4	25.5	25.7	25.5
95°	24.7	25.9	27.0	28.2	28.8	28.8	28.8	28.8	28.8	28.8	28.8
97.5°	25.6	26.9	28.3	29.6	30.3	30.4	30.5	30.7	30.8	31.0	30.8
100°	26.3	27.7	29.0	30.3	31.0	31.1	31.3	31.4	31.6	31.8	31.6
102.5°	50.4	44.9	39.3	33.8	31.0	31.2	31.5	31.8	32.2	32.5	32.2
105°	136.0	106.2	76.5	46.7	31.8	32.0	32.3	32.6	33.0	33.3	33.0
107.5°	268.5	242.6	216.7	190.8	177.9	166.9	144.8	122.8	100.7	78.7	100.7
110°	335.8	330.3	324.7	319.2	316.4	304.4	280.3	256.3	232.2	208.2	232.2

TEST NUMBER: P1011634

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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	390.6	392.1	393.6	395.1	395.9	395.7	395.4	395.1	394.7	394.4	394.7
115°	436.2	437.8	439.5	441.2	442.0	442.3	443.0	443.7	444.4	445.1	444.4
117.5°	480.5	481.8	483.2	484.5	485.2	485.3	485.4	485.6	485.7	485.9	485.7
120°	523.6	525.0	526.3	527.6	528.3	528.3	528.3	528.3	528.3	528.3	528.3
122.5°	566.2	567.1	567.9	568.8	569.2	569.3	569.5	569.6	569.8	570.0	569.8
125°	605.9	606.2	606.6	606.9	607.1	607.3	607.6	607.9	608.3	608.6	608.3
127.5°	646.2	646.7	647.2	647.7	647.9	647.7	647.4	647.1	646.7	646.4	646.7
130°	681.9	682.6	683.3	684.0	684.3	684.1	683.8	683.4	683.1	682.7	683.1
132.5°	716.0	716.6	717.3	718.0	718.3	718.1	717.6	717.1	716.6	716.1	716.6
135°	750.6	751.1	751.6	752.1	752.4	752.1	751.6	751.1	750.6	750.1	750.6
137.5°	781.2	782.1	782.9	783.8	784.2	784.0	783.7	783.4	783.0	782.7	783.0
140°	810.6	811.2	811.9	812.6	812.9	812.7	812.4	812.1	811.7	811.4	811.7
142.5°	838.4	838.9	839.4	839.9	840.2	839.9	839.4	838.9	838.4	837.9	838.4
145°	864.0	864.4	864.7	865.0	865.2	865.2	865.2	865.2	865.2	865.2	865.2
147.5°	887.4	887.8	888.1	888.4	888.6	888.2	887.3	886.5	885.6	884.8	885.6
150°	908.6	909.0	909.3	909.6	909.8	909.6	909.1	908.6	908.1	907.6	908.1
152.5°	927.2	927.8	928.5	929.2	929.5	929.1	928.2	927.4	926.5	925.7	926.5
155°	943.9	944.8	945.6	946.5	946.9	946.4	945.4	944.4	943.4	942.4	943.4
157.5°	959.3	960.3	961.3	962.3	962.8	962.1	960.8	959.5	958.1	956.8	958.1
160°	972.1	973.1	974.2	975.2	975.7	975.1	973.9	972.8	971.6	970.4	971.6
162.5°	983.7	984.9	986.0	987.2	987.8	987.3	986.3	985.2	984.2	983.2	984.2
165°	993.7	995.0	996.4	997.7	998.4	997.8	996.6	995.5	994.3	993.1	994.3
167.5°	1002.0	1003.4	1004.7	1006.0	1006.7	1006.0	1004.7	1003.4	1002.0	1000.7	1002.0
170°	1008.8	1010.2	1011.5	1012.8	1013.5	1012.8	1011.5	1010.2	1008.8	1007.5	1008.8
172.5°	1013.4	1014.7	1016.1	1017.4	1018.1	1017.3	1015.8	1014.3	1012.8	1011.3	1012.8
175°	1017.0	1018.2	1019.3	1020.5	1021.1	1020.4	1019.1	1017.7	1016.4	1015.0	1016.4
177.5°	1018.7	1020.0	1021.4	1022.7	1023.4	1022.6	1020.9	1019.2	1017.5	1015.8	1017.5
180°	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8

TEST NUMBER: P1011634

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

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	21.7	21.4	21.2	20.9	20.2	19.5	18.9	18.2	16.0	13.8
92.5°	25.4	25.2	25.1	25.0	24.4	23.2	22.1	20.9	19.7	18.2	16.7
95°	28.8	28.8	28.8	28.8	28.2	27.0	25.9	24.7	23.5	21.6	19.8
97.5°	30.7	30.5	30.4	30.3	29.6	28.3	26.9	25.6	24.2	32.8	41.4
100°	31.4	31.3	31.1	31.0	30.3	29.0	27.7	26.3	25.0	51.2	77.5
102.5°	31.8	31.5	31.2	31.0	33.8	39.3	44.9	50.4	56.0	85.3	114.5
105°	32.6	32.3	32.0	31.8	46.7	76.5	106.2	136.0	165.8	180.9	196.1
107.5°	122.8	144.8	166.9	177.9	190.8	216.7	242.6	268.5	294.4	291.9	289.4
110°	256.3	280.3	304.4	316.4	319.2	324.7	330.3	335.8	341.4	339.5	337.7

TEST NUMBER: P1011634

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

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	395.1	395.4	395.7	395.9	395.1	393.6	392.1	390.6	389.1	387.2	385.4
115°	443.7	443.0	442.3	442.0	441.2	439.5	437.8	436.2	434.5	433.0	431.5
117.5°	485.6	485.4	485.3	485.2	484.5	483.2	481.8	480.5	479.1	478.3	477.4
120°	528.3	528.3	528.3	528.3	527.6	526.3	525.0	523.6	522.3	521.8	521.3
122.5°	569.6	569.5	569.3	569.2	568.8	567.9	567.1	566.2	565.4	564.7	564.1
125°	607.9	607.6	607.3	607.1	606.9	606.6	606.2	605.9	605.5	604.8	604.2
127.5°	647.1	647.4	647.7	647.9	647.7	647.2	646.7	646.2	645.7	644.9	644.0
130°	683.4	683.8	684.1	684.3	684.0	683.3	682.6	681.9	681.2	680.5	679.9
132.5°	717.1	717.6	718.1	718.3	718.0	717.3	716.6	716.0	715.3	714.8	714.3
135°	751.1	751.6	752.1	752.4	752.1	751.6	751.1	750.6	750.1	749.4	748.8
137.5°	783.4	783.7	784.0	784.2	783.8	782.9	782.1	781.2	780.4	780.1	779.7
140°	812.1	812.4	812.7	812.9	812.6	811.9	811.2	810.6	809.9	809.4	808.9
142.5°	838.9	839.4	839.9	840.2	839.9	839.4	838.9	838.4	837.9	837.4	836.9
145°	865.2	865.2	865.2	865.2	865.0	864.7	864.4	864.0	863.7	863.3	863.0
147.5°	886.5	887.3	888.2	888.6	888.4	888.1	887.8	887.4	887.1	886.8	886.4
150°	908.6	909.1	909.6	909.8	909.6	909.3	909.0	908.6	908.3	908.0	907.6
152.5°	927.4	928.2	929.1	929.5	929.2	928.5	927.8	927.2	926.5	926.3	926.1
155°	944.4	945.4	946.4	946.9	946.5	945.6	944.8	943.9	943.1	942.9	942.8
157.5°	959.5	960.8	962.1	962.8	962.3	961.3	960.3	959.3	958.3	958.5	958.6
160°	972.8	973.9	975.1	975.7	975.2	974.2	973.1	972.1	971.1	971.3	971.5
162.5°	985.2	986.3	987.3	987.8	987.2	986.0	984.9	983.7	982.5	982.7	982.8
165°	995.5	996.6	997.8	998.4	997.7	996.4	995.0	993.7	992.3	992.5	992.7
167.5°	1003.4	1004.7	1006.0	1006.7	1006.0	1004.7	1003.4	1002.0	1000.7	1000.7	1000.7
170°	1010.2	1011.5	1012.8	1013.5	1012.8	1011.5	1010.2	1008.8	1007.5	1007.5	1007.5
172.5°	1014.3	1015.8	1017.3	1018.1	1017.4	1016.1	1014.7	1013.4	1012.0	1011.8	1011.7
175°	1017.7	1019.1	1020.4	1021.1	1020.5	1019.3	1018.2	1017.0	1015.8	1015.6	1015.4
177.5°	1019.2	1020.9	1022.6	1023.4	1022.7	1021.4	1020.0	1018.7	1017.3	1017.1	1017.0
180°	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8

TEST NUMBER: P1011634

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

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°	11.6	9.4	8.3	7.5	5.8	4.1	2.5	0.8	2.5	4.1	5.8
92.5°	15.2	13.7	12.9	13.4	14.4	15.4	16.4	17.4	16.4	15.4	14.4
95°	17.9	16.0	15.1	18.6	25.5	32.4	39.3	46.2	39.3	32.4	25.5
97.5°	49.9	58.5	62.8	65.2	69.9	74.6	79.3	84.0	79.3	74.6	69.9
100°	103.7	130.0	143.1	141.4	138.0	134.7	131.3	127.9	131.3	134.7	138.0
102.5°	143.8	173.1	187.7	186.6	184.4	182.3	180.1	177.9	180.1	182.3	184.4
105°	211.2	226.3	233.9	233.0	231.1	229.3	227.4	225.6	227.4	229.3	231.1
107.5°	286.9	284.4	283.1	282.3	280.8	279.3	277.8	276.3	277.8	279.3	280.8
110°	335.8	333.9	333.0	332.3	331.0	329.7	328.3	327.0	328.3	329.7	331.0

TEST NUMBER: P1011634

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

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	383.5	381.6	380.7	380.1	378.9	377.8	376.6	375.4	376.6	377.8	378.9
115°	430.0	428.5	427.7	427.2	426.2	425.1	424.1	423.1	424.1	425.1	426.2
117.5°	476.6	475.7	475.3	474.7	473.6	472.4	471.3	470.1	471.3	472.4	473.6
120°	520.8	520.3	520.0	519.2	517.7	516.2	514.7	513.2	514.7	516.2	517.7
122.5°	563.4	562.7	562.4	561.8	560.6	559.5	558.3	557.1	558.3	559.5	560.6
125°	603.5	602.8	602.5	601.8	600.5	599.2	597.8	596.5	597.8	599.2	600.5
127.5°	643.2	642.3	641.9	641.2	639.9	638.5	637.2	635.8	637.2	638.5	639.9
130°	679.2	678.5	678.2	677.5	676.2	674.9	673.5	672.2	673.5	674.9	676.2
132.5°	713.8	713.3	713.0	712.3	711.0	709.7	708.3	707.0	708.3	709.7	711.0
135°	748.1	747.4	747.1	746.6	745.6	744.5	743.5	742.5	743.5	744.5	745.6
137.5°	779.4	779.1	778.9	778.2	776.9	775.5	774.2	772.8	774.2	775.5	776.9
140°	808.4	807.9	807.6	807.1	806.1	805.1	804.1	803.1	804.1	805.1	806.1
142.5°	836.4	835.9	835.6	835.1	834.1	833.1	832.1	831.1	832.1	833.1	834.1
145°	862.6	862.3	862.1	861.5	860.3	859.2	858.0	856.8	858.0	859.2	860.3
147.5°	886.1	885.8	885.6	885.2	884.3	883.5	882.6	881.8	882.6	883.5	884.3
150°	907.3	907.0	906.8	906.5	906.0	905.5	905.0	904.5	905.0	905.5	906.0
152.5°	926.0	925.8	925.7	925.6	925.5	925.3	925.2	925.0	925.2	925.3	925.5
155°	942.6	942.5	942.4	942.6	942.9	943.2	943.6	943.9	943.6	943.2	942.9
157.5°	958.8	958.9	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0
160°	971.6	971.8	971.9	972.0	972.1	972.3	972.4	972.6	972.4	972.3	972.1
162.5°	983.0	983.1	983.2	983.5	984.0	984.5	985.0	985.5	985.0	984.5	984.0
165°	992.8	993.0	993.1	993.4	993.9	994.4	994.9	995.4	994.9	994.4	993.9
167.5°	1000.7	1000.7	1000.7	1001.0	1001.7	1002.4	1003.0	1003.7	1003.0	1002.4	1001.7
170°	1007.5	1007.5	1007.5	1007.8	1008.5	1009.2	1009.8	1010.5	1009.8	1009.2	1008.5
172.5°	1011.5	1011.4	1011.3	1011.7	1012.5	1013.4	1014.2	1015.0	1014.2	1013.4	1012.5
175°	1015.3	1015.1	1015.0	1015.4	1016.3	1017.1	1018.0	1018.8	1018.0	1017.1	1016.3
177.5°	1016.8	1016.7	1016.6	1017.0	1017.8	1018.7	1019.5	1020.3	1019.5	1018.7	1017.8
180°	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8

TEST NUMBER: P1011634

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

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°	7.5	8.3	9.4	11.6	13.8	16.0	18.2	18.9	19.5	20.2	20.9
92.5°	13.4	12.9	13.7	15.2	16.7	18.2	19.7	20.9	22.1	23.2	24.4
95°	18.6	15.1	16.0	17.9	19.8	21.6	23.5	24.7	25.9	27.0	28.2
97.5°	65.2	62.8	58.5	49.9	41.4	32.8	24.2	25.6	26.9	28.3	29.6
100°	141.4	143.1	130.0	103.7	77.5	51.2	25.0	26.3	27.7	29.0	30.3
102.5°	186.6	187.7	173.1	143.8	114.5	85.3	56.0	50.4	44.9	39.3	33.8
105°	233.0	233.9	226.3	211.2	196.1	180.9	165.8	136.0	106.2	76.5	46.7
107.5°	282.3	283.1	284.4	286.9	289.4	291.9	294.4	268.5	242.6	216.7	190.8
110°	332.3	333.0	333.9	335.8	337.7	339.5	341.4	335.8	330.3	324.7	319.2

TEST NUMBER: P1011634

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

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	380.1	380.7	381.6	383.5	385.4	387.2	389.1	390.6	392.1	393.6	395.1
115°	427.2	427.7	428.5	430.0	431.5	433.0	434.5	436.2	437.8	439.5	441.2
117.5°	474.7	475.3	475.7	476.6	477.4	478.3	479.1	480.5	481.8	483.2	484.5
120°	519.2	520.0	520.3	520.8	521.3	521.8	522.3	523.6	525.0	526.3	527.6
122.5°	561.8	562.4	562.7	563.4	564.1	564.7	565.4	566.2	567.1	567.9	568.8
125°	601.8	602.5	602.8	603.5	604.2	604.8	605.5	605.9	606.2	606.6	606.9
127.5°	641.2	641.9	642.3	643.2	644.0	644.9	645.7	646.2	646.7	647.2	647.7
130°	677.5	678.2	678.5	679.2	679.9	680.5	681.2	681.9	682.6	683.3	684.0
132.5°	712.3	713.0	713.3	713.8	714.3	714.8	715.3	716.0	716.6	717.3	718.0
135°	746.6	747.1	747.4	748.1	748.8	749.4	750.1	750.6	751.1	751.6	752.1
137.5°	778.2	778.9	779.1	779.4	779.7	780.1	780.4	781.2	782.1	782.9	783.8
140°	807.1	807.6	807.9	808.4	808.9	809.4	809.9	810.6	811.2	811.9	812.6
142.5°	835.1	835.6	835.9	836.4	836.9	837.4	837.9	838.4	838.9	839.4	839.9
145°	861.5	862.1	862.3	862.6	863.0	863.3	863.7	864.0	864.4	864.7	865.0
147.5°	885.2	885.6	885.8	886.1	886.4	886.8	887.1	887.4	887.8	888.1	888.4
150°	906.5	906.8	907.0	907.3	907.6	908.0	908.3	908.6	909.0	909.3	909.6
152.5°	925.6	925.7	925.8	926.0	926.1	926.3	926.5	927.2	927.8	928.5	929.2
155°	942.6	942.4	942.5	942.6	942.8	942.9	943.1	943.9	944.8	945.6	946.5
157.5°	959.0	959.0	958.9	958.8	958.6	958.5	958.3	959.3	960.3	961.3	962.3
160°	972.0	971.9	971.8	971.6	971.5	971.3	971.1	972.1	973.1	974.2	975.2
162.5°	983.5	983.2	983.1	983.0	982.8	982.7	982.5	983.7	984.9	986.0	987.2
165°	993.4	993.1	993.0	992.8	992.7	992.5	992.3	993.7	995.0	996.4	997.7
167.5°	1001.0	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1002.0	1003.4	1004.7	1006.0
170°	1007.8	1007.5	1007.5	1007.5	1007.5	1007.5	1007.5	1008.8	1010.2	1011.5	1012.8
172.5°	1011.7	1011.3	1011.4	1011.5	1011.7	1011.8	1012.0	1013.4	1014.7	1016.1	1017.4
175°	1015.4	1015.0	1015.1	1015.3	1015.4	1015.6	1015.8	1017.0	1018.2	1019.3	1020.5
177.5°	1017.0	1016.6	1016.7	1016.8	1017.0	1017.1	1017.3	1018.7	1020.0	1021.4	1022.7
180°	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8

TEST NUMBER: P1011634

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

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	21.4	21.7	22.0	22.4	22.7	22.4	22.0	21.7	21.4	21.2
92.5°	25.0	25.1	25.2	25.4	25.5	25.7	25.5	25.4	25.2	25.1	25.0
95°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
97.5°	30.3	30.4	30.5	30.7	30.8	31.0	30.8	30.7	30.5	30.4	30.3
100°	31.0	31.1	31.3	31.4	31.6	31.8	31.6	31.4	31.3	31.1	31.0
102.5°	31.0	31.2	31.5	31.8	32.2	32.5	32.2	31.8	31.5	31.2	31.0
105°	31.8	32.0	32.3	32.6	33.0	33.3	33.0	32.6	32.3	32.0	31.8
107.5°	177.9	166.9	144.8	122.8	100.7	78.7	100.7	122.8	144.8	166.9	177.9
110°	316.4	304.4	280.3	256.3	232.2	208.2	232.2	256.3	280.3	304.4	316.4

TEST NUMBER: P1011634

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	395.9	395.7	395.4	395.1	394.7	394.4	394.7	395.1	395.4	395.7	395.9
115°	442.0	442.3	443.0	443.7	444.4	445.1	444.4	443.7	443.0	442.3	442.0
117.5°	485.2	485.3	485.4	485.6	485.7	485.9	485.7	485.6	485.4	485.3	485.2
120°	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3
122.5°	569.2	569.3	569.5	569.6	569.8	570.0	569.8	569.6	569.5	569.3	569.2
125°	607.1	607.3	607.6	607.9	608.3	608.6	608.3	607.9	607.6	607.3	607.1
127.5°	647.9	647.7	647.4	647.1	646.7	646.4	646.7	647.1	647.4	647.7	647.9
130°	684.3	684.1	683.8	683.4	683.1	682.7	683.1	683.4	683.8	684.1	684.3
132.5°	718.3	718.1	717.6	717.1	716.6	716.1	716.6	717.1	717.6	718.1	718.3
135°	752.4	752.1	751.6	751.1	750.6	750.1	750.6	751.1	751.6	752.1	752.4
137.5°	784.2	784.0	783.7	783.4	783.0	782.7	783.0	783.4	783.7	784.0	784.2
140°	812.9	812.7	812.4	812.1	811.7	811.4	811.7	812.1	812.4	812.7	812.9
142.5°	840.2	839.9	839.4	838.9	838.4	837.9	838.4	838.9	839.4	839.9	840.2
145°	865.2	865.2	865.2	865.2	865.2	865.2	865.2	865.2	865.2	865.2	865.2
147.5°	888.6	888.2	887.3	886.5	885.6	884.8	885.6	886.5	887.3	888.2	888.6
150°	909.8	909.6	909.1	908.6	908.1	907.6	908.1	908.6	909.1	909.6	909.8
152.5°	929.5	929.1	928.2	927.4	926.5	925.7	926.5	927.4	928.2	929.1	929.5
155°	946.9	946.4	945.4	944.4	943.4	942.4	943.4	944.4	945.4	946.4	946.9
157.5°	962.8	962.1	960.8	959.5	958.1	956.8	958.1	959.5	960.8	962.1	962.8
160°	975.7	975.1	973.9	972.8	971.6	970.4	971.6	972.8	973.9	975.1	975.7
162.5°	987.8	987.3	986.3	985.2	984.2	983.2	984.2	985.2	986.3	987.3	987.8
165°	998.4	997.8	996.6	995.5	994.3	993.1	994.3	995.5	996.6	997.8	998.4
167.5°	1006.7	1006.0	1004.7	1003.4	1002.0	1000.7	1002.0	1003.4	1004.7	1006.0	1006.7
170°	1013.5	1012.8	1011.5	1010.2	1008.8	1007.5	1008.8	1010.2	1011.5	1012.8	1013.5
172.5°	1018.1	1017.3	1015.8	1014.3	1012.8	1011.3	1012.8	1014.3	1015.8	1017.3	1018.1
175°	1021.1	1020.4	1019.1	1017.7	1016.4	1015.0	1016.4	1017.7	1019.1	1020.4	1021.1
177.5°	1023.4	1022.6	1020.9	1019.2	1017.5	1015.8	1017.5	1019.2	1020.9	1022.6	1023.4
180°	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8

TEST NUMBER: P1011634

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

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°	20.9	20.2	19.5	18.9	18.2	16.0	13.8	11.6	9.4	8.3	7.5
92.5°	24.4	23.2	22.1	20.9	19.7	18.2	16.7	15.2	13.7	12.9	13.4
95°	28.2	27.0	25.9	24.7	23.5	21.6	19.8	17.9	16.0	15.1	18.6
97.5°	29.6	28.3	26.9	25.6	24.2	32.8	41.4	49.9	58.5	62.8	65.2
100°	30.3	29.0	27.7	26.3	25.0	51.2	77.5	103.7	130.0	143.1	141.4
102.5°	33.8	39.3	44.9	50.4	56.0	85.3	114.5	143.8	173.1	187.7	186.6
105°	46.7	76.5	106.2	136.0	165.8	180.9	196.1	211.2	226.3	233.9	233.0
107.5°	190.8	216.7	242.6	268.5	294.4	291.9	289.4	286.9	284.4	283.1	282.3
110°	319.2	324.7	330.3	335.8	341.4	339.5	337.7	335.8	333.9	333.0	332.3

TEST NUMBER: P1011634

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

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	395.1	393.6	392.1	390.6	389.1	387.2	385.4	383.5	381.6	380.7	380.1
115°	441.2	439.5	437.8	436.2	434.5	433.0	431.5	430.0	428.5	427.7	427.2
117.5°	484.5	483.2	481.8	480.5	479.1	478.3	477.4	476.6	475.7	475.3	474.7
120°	527.6	526.3	525.0	523.6	522.3	521.8	521.3	520.8	520.3	520.0	519.2
122.5°	568.8	567.9	567.1	566.2	565.4	564.7	564.1	563.4	562.7	562.4	561.8
125°	606.9	606.6	606.2	605.9	605.5	604.8	604.2	603.5	602.8	602.5	601.8
127.5°	647.7	647.2	646.7	646.2	645.7	644.9	644.0	643.2	642.3	641.9	641.2
130°	684.0	683.3	682.6	681.9	681.2	680.5	679.9	679.2	678.5	678.2	677.5
132.5°	718.0	717.3	716.6	716.0	715.3	714.8	714.3	713.8	713.3	713.0	712.3
135°	752.1	751.6	751.1	750.6	750.1	749.4	748.8	748.1	747.4	747.1	746.6
137.5°	783.8	782.9	782.1	781.2	780.4	780.1	779.7	779.4	779.1	778.9	778.2
140°	812.6	811.9	811.2	810.6	809.9	809.4	808.9	808.4	807.9	807.6	807.1
142.5°	839.9	839.4	838.9	838.4	837.9	837.4	836.9	836.4	835.9	835.6	835.1
145°	865.0	864.7	864.4	864.0	863.7	863.3	863.0	862.6	862.3	862.1	861.5
147.5°	888.4	888.1	887.8	887.4	887.1	886.8	886.4	886.1	885.8	885.6	885.2
150°	909.6	909.3	909.0	908.6	908.3	908.0	907.6	907.3	907.0	906.8	906.5
152.5°	929.2	928.5	927.8	927.2	926.5	926.3	926.1	926.0	925.8	925.7	925.6
155°	946.5	945.6	944.8	943.9	943.1	942.9	942.8	942.6	942.5	942.4	942.6
157.5°	962.3	961.3	960.3	959.3	958.3	958.5	958.6	958.8	958.9	959.0	959.0
160°	975.2	974.2	973.1	972.1	971.1	971.3	971.5	971.6	971.8	971.9	972.0
162.5°	987.2	986.0	984.9	983.7	982.5	982.7	982.8	983.0	983.1	983.2	983.5
165°	997.7	996.4	995.0	993.7	992.3	992.5	992.7	992.8	993.0	993.1	993.4
167.5°	1006.0	1004.7	1003.4	1002.0	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1001.0
170°	1012.8	1011.5	1010.2	1008.8	1007.5	1007.5	1007.5	1007.5	1007.5	1007.5	1007.8
172.5°	1017.4	1016.1	1014.7	1013.4	1012.0	1011.8	1011.7	1011.5	1011.4	1011.3	1011.7
175°	1020.5	1019.3	1018.2	1017.0	1015.8	1015.6	1015.4	1015.3	1015.1	1015.0	1015.4
177.5°	1022.7	1021.4	1020.0	1018.7	1017.3	1017.1	1017.0	1016.8	1016.7	1016.6	1017.0
180°	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8	1018.8

TEST NUMBER: P1011634

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

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°	5.8	4.1	2.5	0.8
92.5°	14.4	15.4	16.4	17.4
95°	25.5	32.4	39.3	46.2
97.5°	69.9	74.6	79.3	84.0
100°	138.0	134.7	131.3	127.9
102.5°	184.4	182.3	180.1	177.9
105°	231.1	229.3	227.4	225.6
107.5°	280.8	279.3	277.8	276.3
110°	331.0	329.7	328.3	327.0

TEST NUMBER: P1011634

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

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	378.9	377.8	376.6	375.4
115°	426.2	425.1	424.1	423.1
117.5°	473.6	472.4	471.3	470.1
120°	517.7	516.2	514.7	513.2
122.5°	560.6	559.5	558.3	557.1
125°	600.5	599.2	597.8	596.5
127.5°	639.9	638.5	637.2	635.8
130°	676.2	674.9	673.5	672.2
132.5°	711.0	709.7	708.3	707.0
135°	745.6	744.5	743.5	742.5
137.5°	776.9	775.5	774.2	772.8
140°	806.1	805.1	804.1	803.1
142.5°	834.1	833.1	832.1	831.1
145°	860.3	859.2	858.0	856.8
147.5°	884.3	883.5	882.6	881.8
150°	906.0	905.5	905.0	904.5
152.5°	925.5	925.3	925.2	925.0
155°	942.9	943.2	943.6	943.9
157.5°	959.0	959.0	959.0	959.0
160°	972.1	972.3	972.4	972.6
162.5°	984.0	984.5	985.0	985.5
165°	993.9	994.4	994.9	995.4
167.5°	1001.7	1002.4	1003.0	1003.7
170°	1008.5	1009.2	1009.8	1010.5
172.5°	1012.5	1013.4	1014.2	1015.0
175°	1016.3	1017.1	1018.0	1018.8
177.5°	1017.8	1018.7	1019.5	1020.3
180°	1018.8	1018.8	1018.8	1018.8

(END OF REPORT)