

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: P1012480

Luminaire Tested: S123RDIP-B340D365UB35-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1012480
REPORT IS A COMBINATION OF REPORTS P993223 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-B340D365UB35-4F0-XX-W2A-A4
Description: Define 3 Regressed Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721}
{m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

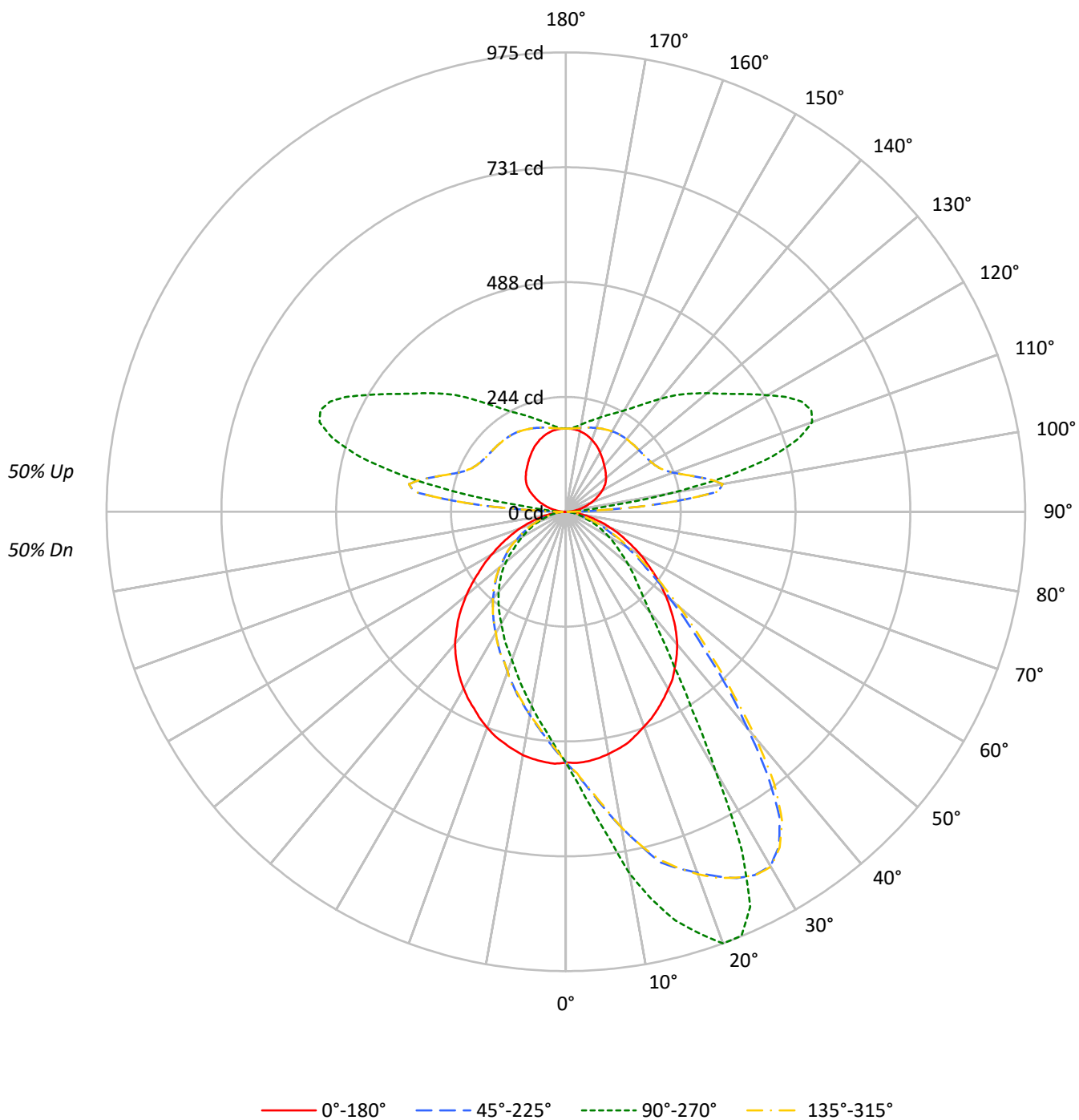
Lumens per Lamp: N/A
Luminaire Lumens: 2653.0 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 22.3
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

TEST NUMBER: P1012480

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Luminous Intensity Polar Plot



TEST NUMBER: P1012480

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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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56
1	98	94	91	87	91	87	84	81	74	72	70	62	60	59	50	49	49
2	90	83	77	72	83	77	72	68	65	62	59	55	52	50	45	43	42
3	83	73	66	61	76	68	62	57	58	54	50	49	46	43	41	38	36
4	76	65	58	52	70	61	54	49	52	47	43	44	40	37	37	34	32
5	70	59	51	45	64	55	48	42	47	42	37	40	36	33	33	30	28
6	64	53	45	39	59	49	42	37	42	37	33	36	32	29	30	27	25
7	60	48	40	35	55	45	38	33	39	33	29	33	29	26	28	25	22
8	55	43	36	31	51	41	34	29	35	30	26	30	26	23	26	22	20
9	52	40	32	28	48	37	31	26	32	27	23	28	24	21	24	21	18
10	48	37	29	25	45	34	28	24	30	25	21	26	22	19	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5727	5727	5727	5727
5°	5732	6597	5747	4894
10°	5681	7964	5707	4275
15°	5623	9037	5623	3769
20°	5508	9748	5538	3344
25°	5424	9262	5412	3051
30°	5325	6417	5314	2765
35°	5207	4120	5184	2549
40°	5061	2909	5034	2334
45°	4804	2328	4797	2125
50°	4490	1948	4475	1880
55°	4135	1605	4102	1594
60°	3788	1326	3751	1356
65°	3382	1061	3404	1149
70°	3004	738	3086	930
75°	2549	547	2651	714
80°	2030	362	2199	535
85°	1441	171	1575	332

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 7647 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	2.0
10°-20°	163.6	6.2
20°-30°	257.6	9.7
30°-40°	267.9	10.1
40°-50°	229.2	8.6
50°-60°	174.7	6.6
60°-70°	111.9	4.2
70°-80°	53.6	2.0
80°-90°	15.1	0.6
90°-100°	95.7	3.6
100°-110°	280.3	10.6
110°-120°	273.7	10.3
120°-130°	218.0	8.2
130°-140°	172.0	6.5
140°-150°	128.3	4.8
150°-160°	89.4	3.4
160°-170°	52.5	2.0
170°-180°	17.1	0.6
0°-30°	473.5	17.8
0°-40°	741.4	27.9
0°-60°	1145.3	43.2
0°-90°	1326.0	50.0
90°-120°	649.7	24.5
90°-150°	1167.9	44.0
90°-180°	1327.0	50.0
0°-180°	2653.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	532	532	532	532	532	
5°	532	632	533	469	532	50
15°	508	898	508	374	508	143
25°	462	925	461	305	462	213
35°	403	401	401	248	403	252
45°	324	214	323	195	324	249
55°	228	134	226	134	228	205
65°	140	77	141	84	140	140
75°	67	33	70	43	67	72
85°	15	8	16	15	15	17
90°	1	10	1	10	1	2
95°	12	41	12	41	12	13
105°	41	454	41	454	41	44
115°	73	552	73	552	73	72
125°	102	436	102	436	102	90
135°	119	353	119	353	119	92
145°	136	276	136	276	136	85
155°	155	229	155	229	155	71
165°	169	200	169	200	169	48
175°	176	180	176	180	176	17
180°	176	176	176	176	176	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1
2.5°	533.5	537.1	539.9	541.7	546.2	549.0	551.3	555.4	555.4	556.3	558.1
5°	531.7	539.4	544.9	552.2	561.7	566.3	572.7	578.1	585.9	590.0	594.1
7.5°	527.6	538.5	549.9	560.8	574.9	584.1	590.4	604.6	614.6	626.9	636.4
10°	522.1	537.1	551.7	568.6	587.7	601.4	610.9	629.6	648.7	666.1	680.6
12.5°	515.3	533.5	554.4	574.9	601.8	615.5	631.0	654.2	681.5	703.4	723.0
15°	508.0	528.9	552.6	577.7	611.4	630.5	652.8	681.1	711.6	743.0	769.9
17.5°	496.6	523.0	549.4	585.9	625.5	636.9	656.0	694.8	732.6	760.8	793.6
20°	485.2	514.8	548.1	580.9	623.7	650.1	667.9	708.9	749.4	783.6	815.0
22.5°	474.7	505.7	540.3	581.8	621.9	648.3	670.6	713.4	760.4	798.6	837.4
25°	462.0	495.7	533.9	573.1	621.9	641.9	666.5	716.2	765.8	810.0	857.9
27.5°	448.3	482.5	520.3	560.4	605.0	634.6	658.8	712.1	772.7	820.0	869.2
30°	434.6	469.7	506.1	542.1	592.3	620.5	648.3	707.1	776.3	830.5	868.3
32.5°	421.4	451.0	487.0	522.1	571.8	602.7	634.2	702.0	777.7	823.2	841.5
35°	403.2	434.2	463.3	500.7	550.8	581.3	618.2	701.6	771.8	800.0	790.9
37.5°	386.3	412.3	440.1	473.3	524.8	564.5	602.7	689.7	752.2	754.0	702.5
40°	367.7	389.1	412.3	447.4	503.0	542.1	583.6	671.5	716.6	689.7	599.1
42.5°	346.2	365.4	383.6	417.8	478.4	522.1	566.7	648.7	665.1	603.2	508.9
45°	323.5	339.0	355.8	391.8	452.4	495.7	540.3	613.7	596.8	509.3	419.6
47.5°	299.8	313.0	329.4	362.2	424.6	468.8	511.2	563.6	520.7	426.9	351.7
50°	276.1	286.6	302.5	336.2	396.4	436.4	475.6	509.8	449.7	366.3	290.7
52.5°	252.8	261.0	277.4	306.1	364.5	402.7	431.0	444.2	383.1	302.5	252.4
55°	228.2	237.4	248.3	277.4	335.3	363.6	382.2	381.8	318.9	256.5	208.7
57.5°	204.6	212.8	222.3	251.5	298.4	317.5	333.5	325.7	266.1	210.0	179.0
60°	183.6	188.2	198.6	223.2	258.8	275.2	284.3	271.1	217.3	177.2	148.1
62.5°	160.8	165.4	174.0	197.3	219.1	227.8	235.5	218.7	179.5	144.4	126.7
65°	139.9	145.8	151.3	169.9	181.8	192.3	191.3	177.2	140.3	117.5	103.0
67.5°	121.6	123.9	128.5	139.9	145.3	153.1	153.5	137.6	113.0	95.7	87.0
70°	102.0	104.3	107.5	113.0	116.6	118.5	117.5	103.4	85.2	74.7	67.0
72.5°	85.2	84.7	87.0	87.0	90.7	90.2	87.5	76.5	64.7	56.0	51.5
75°	67.0	67.4	67.9	67.0	65.6	63.8	61.5	53.3	45.6	41.5	37.4
77.5°	52.4	51.5	51.9	48.7	46.9	45.1	41.9	37.8	31.4	30.5	28.7
80°	37.4	36.9	36.4	35.1	31.0	29.2	26.9	24.6	23.2	22.3	21.9
82.5°	25.1	25.1	24.1	21.4	19.1	17.8	17.3	16.4	15.0	15.0	14.6
85°	15.0	14.6	13.7	10.9	9.6	9.6	9.6	9.6	8.7	8.7	8.2
87.5°	5.9	5.5	4.1	4.1	3.6	3.6	3.6	3.2	3.2	2.7	2.7
90°	0.7	1.4	2.1	3.2	3.9	4.2	4.6	5.7	6.8	7.9	8.9
92.5°	5.4	7.9	11.4	14.6	18.2	21.4	24.6	36.1	55.0	73.6	66.4
95°	12.1	13.2	17.1	23.2	32.5	39.4	46.4	76.8	130.0	188.6	211.8
97.5°	19.3	19.6	22.9	28.2	37.5	45.2	52.9	82.9	144.6	243.2	325.7
100°	26.4	26.8	29.3	34.3	42.9	49.8	56.8	81.8	134.6	228.6	338.2
102.5°	33.9	34.6	36.8	41.4	48.9	55.2	61.4	83.2	126.1	207.1	315.0
105°	41.4	42.5	44.6	48.9	55.7	61.2	66.8	86.1	122.8	190.3	287.1
107.5°	49.3	50.4	52.5	56.8	63.2	68.4	73.6	90.7	122.1	178.2	262.5
110°	57.9	58.9	60.7	64.6	70.7	75.7	80.7	96.8	123.9	171.8	242.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	65.7	66.8	68.6	72.5	78.6	83.4	88.2	102.9	127.5	168.2	228.6
115°	73.2	74.6	76.8	80.4	86.4	91.2	96.1	109.6	131.4	167.8	219.6
117.5°	80.7	82.5	84.3	87.5	94.3	98.8	103.2	116.8	136.4	168.2	213.6
120°	88.6	89.6	91.4	95.0	101.8	106.2	110.7	123.6	142.1	169.6	209.6
122.5°	95.4	96.4	98.2	102.1	108.6	113.4	118.2	130.7	147.5	172.1	207.1
125°	101.8	102.5	104.6	108.6	115.3	120.2	125.0	137.5	153.2	174.6	205.0
127.5°	106.8	107.8	110.3	114.3	121.8	126.6	131.4	143.6	157.8	177.5	203.9
130°	111.4	112.5	115.7	120.0	127.5	132.3	137.1	148.9	162.5	180.3	202.8
132.5°	115.0	116.4	120.0	125.3	132.8	137.4	142.1	153.6	166.8	182.5	202.5
135°	119.3	120.7	124.6	130.0	137.5	142.3	147.1	158.2	170.3	184.6	202.1
137.5°	123.2	124.6	128.6	134.3	141.8	146.2	150.7	161.4	173.2	186.1	201.4
140°	127.1	128.9	132.5	138.2	145.3	149.8	154.3	164.6	175.3	187.5	201.1
142.5°	131.4	132.8	136.8	141.8	148.9	153.0	157.1	167.1	177.5	188.6	200.3
145°	136.1	137.1	140.3	145.7	151.8	155.9	160.0	169.3	178.9	188.9	199.6
147.5°	140.7	141.4	144.6	149.3	155.3	158.9	162.5	171.1	180.0	188.9	198.6
150°	145.3	145.7	148.6	153.2	158.2	161.4	164.6	172.8	180.3	188.9	197.1
152.5°	150.0	150.0	152.8	156.8	161.1	164.1	167.1	173.9	181.1	187.8	195.3
155°	154.6	154.6	156.8	160.3	164.3	166.8	169.3	175.3	181.1	187.1	193.2
157.5°	158.2	158.6	160.3	163.6	167.1	169.1	171.1	176.1	181.4	186.1	191.4
160°	162.5	162.5	163.9	166.8	169.3	171.0	172.8	177.1	181.4	185.3	189.3
162.5°	165.7	165.7	166.8	168.9	171.1	172.5	173.9	177.5	181.1	183.9	187.1
165°	168.9	168.6	169.3	171.1	172.5	173.8	175.0	177.8	180.3	182.5	185.0
167.5°	171.4	171.1	171.4	172.8	173.9	174.8	175.7	177.8	180.0	181.1	182.8
170°	173.6	172.8	173.2	174.3	175.0	175.4	175.7	177.5	178.9	179.6	180.7
172.5°	175.0	174.6	174.6	175.3	175.7	175.9	176.1	177.5	178.6	178.6	178.9
175°	176.1	175.7	175.3	176.1	176.1	176.2	176.4	177.1	177.8	177.5	177.5
177.5°	176.8	176.4	176.1	176.4	176.4	176.4	176.4	176.8	177.5	176.8	176.4
180°	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1
2.5°	561.7	561.7	565.8	569.9	567.7	569.0	574.0	572.2	575.9	575.4	576.8
5°	604.1	609.1	613.2	621.9	623.2	621.9	630.5	632.8	636.9	631.9	634.2
7.5°	651.9	662.4	672.4	685.2	689.3	690.2	694.8	701.1	706.6	696.6	701.6
10°	698.4	714.3	734.8	746.2	756.3	759.9	763.6	767.7	774.0	780.0	775.4
12.5°	748.5	771.8	791.3	811.8	824.1	822.8	833.3	836.0	841.0	842.4	844.2
15°	789.5	822.3	834.6	865.1	867.9	877.0	888.8	899.3	900.7	897.9	897.9
17.5°	828.7	856.9	878.8	903.4	908.4	916.2	931.2	936.2	938.0	937.6	937.6
20°	860.6	879.3	916.2	936.7	944.9	954.9	965.4	971.8	973.1	974.9	972.2
22.5°	881.5	909.8	939.9	956.7	963.6	967.2	974.0	975.9	973.6	974.0	974.5
25°	897.9	925.7	944.0	948.5	948.1	943.5	938.5	929.8	928.9	925.3	918.0
27.5°	902.5	913.0	910.7	892.0	873.3	871.5	841.5	825.1	806.4	809.1	798.6
30°	877.9	864.2	831.9	784.5	764.9	733.0	699.3	664.2	650.6	635.5	663.3
32.5°	817.8	769.0	711.6	650.1	617.3	589.1	553.1	527.6	513.0	500.7	524.4
35°	727.1	651.0	574.9	516.6	489.7	464.2	430.5	417.8	399.5	401.4	403.6
37.5°	610.5	526.6	469.2	411.8	394.1	383.6	359.0	339.4	333.0	331.2	331.2
40°	501.1	432.3	381.3	336.2	322.6	313.9	294.3	285.2	278.4	276.5	278.8
42.5°	414.6	355.8	316.2	286.1	276.5	265.6	257.4	246.0	244.6	241.5	245.6
45°	348.1	297.0	267.4	245.6	237.4	233.3	224.1	217.3	214.6	214.1	217.3
47.5°	295.2	255.6	229.6	215.9	209.6	205.5	197.7	195.0	192.3	193.2	191.8
50°	247.8	218.2	201.4	189.1	185.0	180.9	175.9	173.1	171.8	171.8	171.3
52.5°	212.8	188.2	177.2	165.8	164.0	161.7	156.3	154.4	152.2	151.7	153.5
55°	182.2	165.4	154.4	147.6	145.8	141.2	139.0	136.7	135.3	134.4	134.9
57.5°	155.8	143.1	135.8	129.8	126.7	124.8	120.7	120.3	119.4	119.4	118.9
60°	133.9	124.8	116.2	112.5	110.3	108.0	107.5	104.8	103.4	104.3	103.9
62.5°	113.4	106.1	101.1	97.0	95.7	93.8	92.5	91.6	90.2	90.7	90.7
65°	94.8	88.8	85.2	81.5	81.1	79.3	78.8	77.9	77.9	77.4	78.4
67.5°	77.9	73.8	70.6	68.3	67.0	67.4	65.6	64.2	64.2	63.8	65.1
70°	62.0	59.7	56.5	53.8	51.9	51.9	49.7	49.2	49.2	49.2	48.7
72.5°	47.8	43.7	42.4	41.5	41.5	41.5	40.5	40.5	40.1	40.5	40.1
75°	35.5	35.1	34.2	33.7	33.7	33.3	32.8	32.8	32.8	32.8	32.8
77.5°	27.8	27.8	26.9	26.4	26.4	26.4	26.0	26.0	25.5	25.5	25.5
80°	20.5	20.5	19.6	19.6	19.6	19.1	19.1	19.1	19.6	19.1	19.1
82.5°	14.1	14.1	13.7	14.1	13.7	13.2	13.2	13.2	12.8	13.2	13.2
85°	8.2	8.2	7.7	7.3	7.7	7.7	7.3	7.7	7.3	7.7	7.3
87.5°	3.2	2.7	2.7	2.7	2.3	2.7	2.3	2.3	2.7	2.3	2.7
90°	8.6	8.9	9.3	9.6	10.0	10.4	10.0	10.4	10.7	10.4	10.7
92.5°	49.6	35.4	27.5	23.9	22.6	21.4	20.7	19.3	19.6	18.9	19.6
95°	171.8	128.6	87.1	68.2	61.8	55.4	48.6	45.4	42.9	41.4	42.9
97.5°	336.8	295.3	222.8	175.7	155.4	135.0	111.1	97.5	88.9	85.0	88.9
100°	408.5	421.0	392.1	350.3	325.0	299.6	263.6	237.5	223.6	223.9	223.6
102.5°	412.1	462.8	468.9	448.9	435.2	421.4	395.3	376.0	365.0	354.6	365.0
105°	389.6	464.3	500.0	506.8	502.2	497.5	481.0	467.5	456.0	454.3	456.0
107.5°	357.5	442.8	498.9	526.7	531.6	536.4	534.2	527.8	523.2	519.3	523.2
110°	327.5	409.3	475.0	520.0	532.5	545.0	555.0	557.8	557.1	556.4	557.1

TEST NUMBER: P1012480

CATALOG NUMBER: S123RDIP-B340D365UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	301.4	376.0	443.5	495.3	512.2	529.2	549.6	560.0	563.5	563.9	563.5
115°	281.4	347.5	409.6	462.1	481.6	501.0	527.8	543.5	550.7	552.5	550.7
117.5°	268.2	325.3	380.3	428.5	448.7	468.9	496.8	514.3	525.0	527.5	525.0
120°	258.2	308.6	356.8	399.6	417.6	435.7	463.9	483.9	492.5	494.6	492.5
122.5°	250.0	295.3	337.8	376.8	393.2	409.6	433.9	451.4	461.0	463.9	461.0
125°	243.2	283.9	322.8	357.1	371.4	385.7	408.5	424.3	433.2	435.7	433.2
127.5°	236.8	273.6	308.9	340.3	353.6	366.8	387.5	401.0	409.3	411.4	409.3
130°	231.8	263.9	296.1	325.0	337.2	349.3	368.2	381.0	388.5	391.4	388.5
132.5°	227.1	255.0	283.9	310.3	321.8	333.2	350.7	363.5	370.0	371.8	370.0
135°	223.2	247.1	272.5	295.7	305.8	316.0	333.5	344.3	350.7	353.2	350.7
137.5°	219.6	239.6	261.1	281.8	290.9	300.0	315.0	326.0	331.4	333.5	331.4
140°	216.4	233.2	251.4	268.6	276.2	283.9	297.5	307.5	313.2	312.8	313.2
142.5°	213.6	227.1	242.1	256.4	262.8	269.3	280.3	288.9	293.9	293.6	293.9
145°	211.1	222.5	234.3	245.7	250.9	256.1	265.0	272.5	275.3	276.1	275.3
147.5°	208.6	218.6	228.2	237.8	241.6	245.3	252.5	257.8	260.7	261.1	260.7
150°	206.1	214.3	222.5	230.0	233.4	236.8	242.1	246.1	248.2	248.2	248.2
152.5°	203.2	210.3	217.1	223.6	226.2	228.9	232.8	236.4	237.5	237.5	237.5
155°	200.3	206.4	212.1	217.5	219.6	221.8	225.0	227.8	228.6	228.9	228.6
157.5°	197.1	202.1	207.1	211.4	213.2	215.0	217.8	220.0	220.7	220.7	220.7
160°	193.9	198.6	202.5	206.1	207.4	208.6	211.1	213.2	213.2	212.8	213.2
162.5°	190.7	194.3	197.5	200.7	201.8	202.8	204.3	206.1	206.1	205.7	206.1
165°	187.8	190.7	192.8	195.3	196.2	197.1	198.6	200.0	199.6	199.6	199.6
167.5°	185.0	187.5	189.3	190.7	191.4	192.1	192.8	193.9	193.6	193.6	193.6
170°	182.5	184.3	185.3	186.8	187.2	187.5	187.8	188.6	188.2	188.2	188.2
172.5°	180.0	181.4	182.1	183.2	183.4	183.6	183.6	184.3	183.6	183.2	183.6
175°	178.2	178.9	179.3	180.0	180.0	180.0	180.0	180.3	180.0	179.6	180.0
177.5°	176.8	177.1	177.5	177.8	177.8	177.8	177.5	177.8	177.1	177.1	177.1
180°	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4

TEST NUMBER: P1012480

CATALOG NUMBER: S123RDIP-B340D365UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1
2.5°	574.5	571.8	569.9	568.6	567.2	571.3	565.8	559.9	555.8	553.1	552.2
5°	634.6	628.7	623.7	619.6	620.5	620.5	610.9	600.5	591.3	586.3	580.9
7.5°	704.3	697.9	687.9	685.6	683.8	672.4	662.9	643.7	632.3	621.0	610.9
10°	773.6	765.4	755.8	752.6	748.1	733.9	719.4	694.8	680.6	659.7	646.5
12.5°	838.3	828.2	818.7	816.4	809.6	797.3	772.2	746.7	722.5	700.2	677.0
15°	892.5	889.7	875.2	866.1	851.0	834.2	828.7	794.1	763.6	740.3	698.4
17.5°	938.0	925.3	911.6	905.7	899.8	880.2	860.6	825.1	792.3	758.1	731.2
20°	974.5	960.4	950.8	942.1	939.4	917.1	886.1	854.7	818.7	780.4	745.3
22.5°	976.3	974.5	968.1	963.1	957.6	943.0	918.4	879.3	841.0	799.1	753.1
25°	938.5	935.8	954.0	949.4	953.1	947.6	934.4	901.6	856.9	807.7	761.3
27.5°	824.6	852.4	881.1	891.1	897.9	917.5	923.9	905.7	869.7	817.3	765.4
30°	669.7	706.6	753.1	778.1	797.3	833.7	881.1	887.0	870.2	828.2	764.5
32.5°	525.7	559.5	596.8	626.4	651.9	726.6	790.4	836.4	844.6	822.8	766.7
35°	423.7	438.3	473.8	502.0	536.7	600.5	675.6	749.9	800.0	802.7	759.9
37.5°	349.4	357.2	388.2	404.1	424.6	480.6	550.8	647.8	725.7	762.6	740.8
40°	289.3	307.1	324.8	333.9	348.5	387.2	454.7	530.7	627.3	695.7	711.2
42.5°	251.0	258.8	270.2	282.9	292.0	325.7	370.8	440.5	527.6	622.8	665.6
45°	221.4	224.1	236.0	244.2	253.8	277.4	309.3	367.7	444.2	538.0	610.9
47.5°	196.8	202.3	208.7	213.7	220.0	238.3	265.6	308.0	375.4	459.2	537.6
50°	174.9	178.1	186.3	188.6	193.2	205.9	226.9	259.2	314.8	381.8	462.9
52.5°	154.4	160.4	163.6	166.7	170.8	181.3	195.0	221.4	263.3	326.2	395.0
55°	138.5	140.3	144.9	147.6	150.8	158.1	169.9	189.5	222.3	272.4	337.6
57.5°	123.0	123.0	127.6	129.8	133.0	138.5	149.0	164.0	187.7	225.1	284.7
60°	106.6	107.1	110.7	113.4	114.4	119.8	128.5	140.3	158.5	185.9	234.6
62.5°	92.0	94.3	96.1	97.0	100.2	103.4	110.7	118.9	131.7	155.8	190.4
65°	79.7	80.2	81.5	82.5	83.8	87.5	92.9	98.4	109.3	127.1	155.4
67.5°	65.6	67.4	69.2	69.2	70.6	72.4	77.9	82.5	90.7	101.1	120.3
70°	49.2	50.1	52.8	54.2	56.0	59.2	62.0	64.7	71.1	78.8	93.4
72.5°	41.0	41.0	41.9	42.4	42.4	44.6	48.7	51.5	54.7	60.1	70.2
75°	32.8	32.8	34.2	33.7	34.6	35.5	36.0	37.8	39.6	43.7	49.7
77.5°	26.0	26.4	26.4	26.9	26.9	27.3	27.8	28.7	29.6	31.9	34.6
80°	19.1	19.6	19.6	20.0	20.0	20.5	21.0	21.4	22.3	23.2	24.6
82.5°	13.2	13.7	13.7	14.1	13.7	14.1	14.6	14.6	15.0	15.9	16.4
85°	7.7	7.7	8.2	7.7	7.7	7.7	8.2	8.2	8.7	10.0	10.0
87.5°	2.3	2.7	2.3	2.7	2.7	2.7	2.7	3.2	3.2	3.6	4.1
90°	10.4	10.0	10.4	10.0	9.6	9.3	8.9	8.6	8.9	7.9	6.8
92.5°	19.3	20.7	21.4	22.6	23.9	27.5	35.4	49.6	66.4	73.6	55.0
95°	45.4	48.6	55.4	61.8	68.2	87.1	128.6	171.8	211.8	188.6	130.0
97.5°	97.5	111.1	135.0	155.4	175.7	222.8	295.3	336.8	325.7	243.2	144.6
100°	237.5	263.6	299.6	325.0	350.3	392.1	421.0	408.5	338.2	228.6	134.6
102.5°	376.0	395.3	421.4	435.2	448.9	468.9	462.8	412.1	315.0	207.1	126.1
105°	467.5	481.0	497.5	502.2	506.8	500.0	464.3	389.6	287.1	190.3	122.8
107.5°	527.8	534.2	536.4	531.6	526.7	498.9	442.8	357.5	262.5	178.2	122.1
110°	557.8	555.0	545.0	532.5	520.0	475.0	409.3	327.5	242.1	171.8	123.9

TEST NUMBER: P1012480

CATALOG NUMBER: S123RDIP-B340D365UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	560.0	549.6	529.2	512.2	495.3	443.5	376.0	301.4	228.6	168.2	127.5
115°	543.5	527.8	501.0	481.6	462.1	409.6	347.5	281.4	219.6	167.8	131.4
117.5°	514.3	496.8	468.9	448.7	428.5	380.3	325.3	268.2	213.6	168.2	136.4
120°	483.9	463.9	435.7	417.6	399.6	356.8	308.6	258.2	209.6	169.6	142.1
122.5°	451.4	433.9	409.6	393.2	376.8	337.8	295.3	250.0	207.1	172.1	147.5
125°	424.3	408.5	385.7	371.4	357.1	322.8	283.9	243.2	205.0	174.6	153.2
127.5°	401.0	387.5	366.8	353.6	340.3	308.9	273.6	236.8	203.9	177.5	157.8
130°	381.0	368.2	349.3	337.2	325.0	296.1	263.9	231.8	202.8	180.3	162.5
132.5°	363.5	350.7	333.2	321.8	310.3	283.9	255.0	227.1	202.5	182.5	166.8
135°	344.3	333.5	316.0	305.8	295.7	272.5	247.1	223.2	202.1	184.6	170.3
137.5°	326.0	315.0	300.0	290.9	281.8	261.1	239.6	219.6	201.4	186.1	173.2
140°	307.5	297.5	283.9	276.2	268.6	251.4	233.2	216.4	201.1	187.5	175.3
142.5°	288.9	280.3	269.3	262.8	256.4	242.1	227.1	213.6	200.3	188.6	177.5
145°	272.5	265.0	256.1	250.9	245.7	234.3	222.5	211.1	199.6	188.9	178.9
147.5°	257.8	252.5	245.3	241.6	237.8	228.2	218.6	208.6	198.6	188.9	180.0
150°	246.1	242.1	236.8	233.4	230.0	222.5	214.3	206.1	197.1	188.9	180.3
152.5°	236.4	232.8	228.9	226.2	223.6	217.1	210.3	203.2	195.3	187.8	181.1
155°	227.8	225.0	221.8	219.6	217.5	212.1	206.4	200.3	193.2	187.1	181.1
157.5°	220.0	217.8	215.0	213.2	211.4	207.1	202.1	197.1	191.4	186.1	181.4
160°	213.2	211.1	208.6	207.4	206.1	202.5	198.6	193.9	189.3	185.3	181.4
162.5°	206.1	204.3	202.8	201.8	200.7	197.5	194.3	190.7	187.1	183.9	181.1
165°	200.0	198.6	197.1	196.2	195.3	192.8	190.7	187.8	185.0	182.5	180.3
167.5°	193.9	192.8	192.1	191.4	190.7	189.3	187.5	185.0	182.8	181.1	180.0
170°	188.6	187.8	187.5	187.2	186.8	185.3	184.3	182.5	180.7	179.6	178.9
172.5°	184.3	183.6	183.6	183.4	183.2	182.1	181.4	180.0	178.9	178.6	178.6
175°	180.3	180.0	180.0	180.0	180.0	179.3	178.9	178.2	177.5	177.5	177.8
177.5°	177.8	177.5	177.8	177.8	177.8	177.5	177.1	176.8	176.4	176.8	177.5
180°	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4

TEST NUMBER: P1012480

CATALOG NUMBER: S123RDIP-B340D365UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1
2.5°	550.8	548.5	546.2	546.2	541.2	536.7	534.4	535.3	532.6	528.9	525.3
5°	574.9	565.8	564.0	559.0	552.2	542.6	537.6	533.0	527.6	520.3	513.4
7.5°	597.3	585.4	579.0	574.0	560.8	547.6	536.7	529.4	519.8	508.9	500.7
10°	626.4	604.6	597.7	586.3	567.7	549.0	536.2	524.4	511.2	498.4	487.5
12.5°	649.7	624.6	611.8	600.5	576.3	552.6	531.2	516.6	500.7	486.6	472.4
15°	676.1	647.8	625.5	611.8	581.3	552.6	528.5	508.0	490.2	472.9	460.6
17.5°	688.8	653.3	643.3	623.7	579.5	550.8	521.2	499.3	477.9	457.9	443.3
20°	708.9	667.4	642.4	629.2	590.0	547.6	513.0	487.9	465.6	444.2	428.7
22.5°	710.2	665.1	648.7	623.7	575.4	538.0	505.7	475.2	449.2	429.2	413.2
25°	707.1	661.0	638.3	618.2	578.1	532.6	491.1	461.0	435.5	412.3	393.6
27.5°	705.7	649.2	627.8	607.7	562.6	516.6	482.5	448.3	419.1	398.6	379.5
30°	703.9	636.4	610.5	587.2	545.8	504.3	463.3	433.7	405.9	380.0	360.8
32.5°	692.0	619.1	592.7	568.1	523.5	482.0	449.7	418.2	388.2	364.0	346.7
35°	688.4	603.2	568.6	542.1	498.4	461.5	427.3	401.4	373.1	349.0	328.5
37.5°	677.9	586.8	549.4	515.7	470.2	435.1	410.0	384.1	356.7	330.8	314.3
40°	659.7	567.7	525.3	490.7	443.7	408.2	385.0	365.8	339.0	315.7	295.7
42.5°	632.8	548.1	502.5	466.1	414.1	380.9	361.7	343.5	320.7	296.6	280.2
45°	601.8	522.1	479.7	439.2	386.3	354.0	333.9	323.0	302.0	281.5	262.4
47.5°	559.5	495.2	453.3	411.4	357.6	326.2	310.2	299.3	284.7	262.4	246.9
50°	506.1	460.6	421.0	383.6	329.4	299.3	283.4	275.2	262.9	246.9	231.9
52.5°	446.9	420.5	387.7	353.1	300.7	272.4	257.9	251.5	242.4	227.3	214.6
55°	387.2	375.9	353.5	319.4	270.6	247.4	234.6	226.4	219.6	208.7	197.7
57.5°	333.9	328.5	313.0	286.6	245.6	221.4	210.5	205.0	199.5	191.3	180.4
60°	278.8	284.7	268.8	255.6	218.2	197.3	187.7	181.8	179.0	171.8	164.9
62.5°	231.0	236.4	227.3	217.3	190.9	172.2	166.3	160.8	159.0	152.6	145.8
65°	187.7	194.5	187.7	182.2	166.3	150.8	143.5	140.8	139.0	134.9	129.4
67.5°	149.4	156.3	153.1	146.2	141.2	128.5	124.4	121.6	120.7	117.5	113.0
70°	112.5	122.1	123.0	118.9	114.4	108.4	105.7	104.8	102.5	99.8	97.0
72.5°	81.1	92.0	92.5	92.5	89.7	89.7	87.0	85.6	85.6	82.9	79.7
75°	59.7	67.0	67.9	68.8	70.2	71.5	69.7	69.7	69.2	66.5	65.1
77.5°	39.6	46.0	48.3	51.5	53.3	53.3	54.2	55.1	54.2	52.8	51.9
80°	25.5	30.1	32.8	34.6	37.4	38.7	40.1	40.5	39.6	39.2	37.8
82.5°	16.9	18.2	19.6	21.9	25.1	27.3	27.3	26.9	27.8	27.3	26.9
85°	9.6	10.5	10.9	11.4	13.2	15.5	15.9	16.4	17.3	16.4	15.5
87.5°	3.6	4.1	4.1	4.1	5.0	5.5	6.8	8.7	8.2	7.3	7.3
90°	5.7	4.6	4.2	3.9	3.2	2.1	1.4	0.7	1.4	2.1	3.2
92.5°	36.1	24.6	21.4	18.2	14.6	11.4	7.9	5.4	7.9	11.4	14.6
95°	76.8	46.4	39.4	32.5	23.2	17.1	13.2	12.1	13.2	17.1	23.2
97.5°	82.9	52.9	45.2	37.5	28.2	22.9	19.6	19.3	19.6	22.9	28.2
100°	81.8	56.8	49.8	42.9	34.3	29.3	26.8	26.4	26.8	29.3	34.3
102.5°	83.2	61.4	55.2	48.9	41.4	36.8	34.6	33.9	34.6	36.8	41.4
105°	86.1	66.8	61.2	55.7	48.9	44.6	42.5	41.4	42.5	44.6	48.9
107.5°	90.7	73.6	68.4	63.2	56.8	52.5	50.4	49.3	50.4	52.5	56.8
110°	96.8	80.7	75.7	70.7	64.6	60.7	58.9	57.9	58.9	60.7	64.6

TEST NUMBER: P1012480

CATALOG NUMBER: S123RDIP-B340D365UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	102.9	88.2	83.4	78.6	72.5	68.6	66.8	65.7	66.8	68.6	72.5
115°	109.6	96.1	91.2	86.4	80.4	76.8	74.6	73.2	74.6	76.8	80.4
117.5°	116.8	103.2	98.8	94.3	87.5	84.3	82.5	80.7	82.5	84.3	87.5
120°	123.6	110.7	106.2	101.8	95.0	91.4	89.6	88.6	89.6	91.4	95.0
122.5°	130.7	118.2	113.4	108.6	102.1	98.2	96.4	95.4	96.4	98.2	102.1
125°	137.5	125.0	120.2	115.3	108.6	104.6	102.5	101.8	102.5	104.6	108.6
127.5°	143.6	131.4	126.6	121.8	114.3	110.3	107.8	106.8	107.8	110.3	114.3
130°	148.9	137.1	132.3	127.5	120.0	115.7	112.5	111.4	112.5	115.7	120.0
132.5°	153.6	142.1	137.4	132.8	125.3	120.0	116.4	115.0	116.4	120.0	125.3
135°	158.2	147.1	142.3	137.5	130.0	124.6	120.7	119.3	120.7	124.6	130.0
137.5°	161.4	150.7	146.2	141.8	134.3	128.6	124.6	123.2	124.6	128.6	134.3
140°	164.6	154.3	149.8	145.3	138.2	132.5	128.9	127.1	128.9	132.5	138.2
142.5°	167.1	157.1	153.0	148.9	141.8	136.8	132.8	131.4	132.8	136.8	141.8
145°	169.3	160.0	155.9	151.8	145.7	140.3	137.1	136.1	137.1	140.3	145.7
147.5°	171.1	162.5	158.9	155.3	149.3	144.6	141.4	140.7	141.4	144.6	149.3
150°	172.8	164.6	161.4	158.2	153.2	148.6	145.7	145.3	145.7	148.6	153.2
152.5°	173.9	167.1	164.1	161.1	156.8	152.8	150.0	150.0	150.0	152.8	156.8
155°	175.3	169.3	166.8	164.3	160.3	156.8	154.6	154.6	154.6	156.8	160.3
157.5°	176.1	171.1	169.1	167.1	163.6	160.3	158.6	158.2	158.6	160.3	163.6
160°	177.1	172.8	171.0	169.3	166.8	163.9	162.5	162.5	162.5	163.9	166.8
162.5°	177.5	173.9	172.5	171.1	168.9	166.8	165.7	165.7	165.7	166.8	168.9
165°	177.8	175.0	173.8	172.5	171.1	169.3	168.6	168.9	168.6	169.3	171.1
167.5°	177.8	175.7	174.8	173.9	172.8	171.4	171.1	171.4	171.1	171.4	172.8
170°	177.5	175.7	175.4	175.0	174.3	173.2	172.8	173.6	172.8	173.2	174.3
172.5°	177.5	176.1	175.9	175.7	175.3	174.6	174.6	175.0	174.6	174.6	175.3
175°	177.1	176.4	176.2	176.1	176.1	175.3	175.7	176.1	175.7	175.3	176.1
177.5°	176.8	176.4	176.4	176.4	176.4	176.1	176.4	176.8	176.4	176.1	176.4
180°	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4

TEST NUMBER: P1012480

CATALOG NUMBER: S123RDIP-B340D365UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1
2.5°	525.3	523.0	522.1	519.8	514.3	510.7	506.6	503.9	504.3	502.0	503.4
5°	508.9	508.4	505.2	500.7	492.9	488.8	481.5	477.9	476.1	476.5	473.8
7.5°	495.2	491.1	488.8	481.5	474.3	465.6	459.7	456.5	453.8	451.0	449.2
10°	479.7	476.1	472.4	464.7	454.7	446.5	438.3	435.1	431.0	429.2	427.8
12.5°	463.3	461.0	456.5	447.4	436.0	428.2	418.7	416.9	411.4	407.7	406.8
15°	448.3	446.9	438.7	428.2	416.9	409.1	400.9	395.4	386.3	388.2	385.0
17.5°	432.3	426.4	421.4	407.3	401.8	390.0	380.4	377.7	371.3	367.2	363.1
20°	414.6	410.9	404.6	395.4	382.2	368.6	361.3	356.7	353.1	346.7	344.9
22.5°	397.7	393.2	387.7	375.9	364.5	353.1	343.1	339.0	334.4	329.8	327.1
25°	384.5	377.7	371.8	357.2	345.8	336.2	329.8	323.0	316.6	313.9	313.0
27.5°	364.0	359.9	354.0	340.3	329.8	319.4	313.4	308.9	302.0	298.9	296.1
30°	350.8	342.6	335.8	324.8	314.3	303.0	297.5	292.0	287.9	283.8	280.6
32.5°	333.0	326.7	321.2	310.2	299.8	289.3	283.4	275.2	272.9	269.7	266.1
35°	315.7	311.6	305.7	293.8	282.5	275.2	268.8	261.0	258.3	256.0	252.8
37.5°	299.3	293.4	289.3	277.9	267.9	259.2	254.2	247.8	246.0	243.3	241.0
40°	285.2	279.3	275.2	263.8	253.3	244.2	241.0	234.6	231.9	228.7	227.3
42.5°	269.2	264.2	258.8	250.6	239.6	230.5	224.1	220.5	216.9	215.5	212.8
45°	252.4	247.8	243.7	234.6	223.2	216.9	211.4	206.4	203.6	201.4	199.5
47.5°	237.8	233.7	228.2	218.2	209.1	203.2	197.7	192.7	190.0	187.2	185.0
50°	221.0	218.7	212.8	203.2	194.5	187.7	182.7	178.1	176.3	173.1	169.5
52.5°	205.9	201.8	196.8	189.1	181.3	173.1	166.3	163.6	160.4	158.5	155.4
55°	188.2	185.4	180.0	173.1	164.9	158.1	153.1	149.4	145.3	143.5	139.4
57.5°	173.1	168.1	165.4	156.7	149.0	142.1	138.5	134.9	130.3	127.6	125.7
60°	156.7	152.2	148.1	140.8	135.3	128.0	122.6	119.4	116.2	112.5	110.7
62.5°	140.8	137.1	132.1	126.2	119.4	113.4	109.3	104.8	103.0	99.3	97.9
65°	123.5	120.7	116.6	109.8	104.3	99.3	95.2	91.6	89.7	88.4	87.5
67.5°	108.0	104.3	101.6	95.7	89.7	85.6	83.4	81.1	78.8	77.4	76.1
70°	92.0	89.3	86.6	81.1	77.0	73.3	71.5	69.7	68.3	67.0	65.6
72.5°	75.6	74.3	71.5	67.9	64.7	62.0	60.6	58.3	56.9	54.7	53.8
75°	62.4	60.1	58.8	55.6	52.8	50.6	48.7	46.0	44.2	43.3	42.8
77.5°	49.2	48.3	46.5	43.7	42.4	40.1	37.4	36.4	35.5	35.5	35.1
80°	36.9	35.5	34.2	31.9	30.5	28.7	28.7	28.7	28.2	28.7	28.2
82.5°	25.1	24.1	23.2	21.9	21.4	21.4	21.9	21.9	21.9	21.9	21.9
85°	14.6	14.6	14.6	15.0	14.6	14.6	15.0	15.5	15.0	15.0	14.6
87.5°	6.8	6.8	7.3	7.3	7.7	7.7	7.7	7.7	7.7	7.7	8.2
90°	3.9	4.2	4.6	5.7	6.8	7.9	8.9	8.6	8.9	9.3	9.6
92.5°	18.2	21.4	24.6	36.1	55.0	73.6	66.4	49.6	35.4	27.5	23.9
95°	32.5	39.4	46.4	76.8	130.0	188.6	211.8	171.8	128.6	87.1	68.2
97.5°	37.5	45.2	52.9	82.9	144.6	243.2	325.7	336.8	295.3	222.8	175.7
100°	42.9	49.8	56.8	81.8	134.6	228.6	338.2	408.5	421.0	392.1	350.3
102.5°	48.9	55.2	61.4	83.2	126.1	207.1	315.0	412.1	462.8	468.9	448.9
105°	55.7	61.2	66.8	86.1	122.8	190.3	287.1	389.6	464.3	500.0	506.8
107.5°	63.2	68.4	73.6	90.7	122.1	178.2	262.5	357.5	442.8	498.9	526.7
110°	70.7	75.7	80.7	96.8	123.9	171.8	242.1	327.5	409.3	475.0	520.0

TEST NUMBER: P1012480

CATALOG NUMBER: S123RDIP-B340D365UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	78.6	83.4	88.2	102.9	127.5	168.2	228.6	301.4	376.0	443.5	495.3
115°	86.4	91.2	96.1	109.6	131.4	167.8	219.6	281.4	347.5	409.6	462.1
117.5°	94.3	98.8	103.2	116.8	136.4	168.2	213.6	268.2	325.3	380.3	428.5
120°	101.8	106.2	110.7	123.6	142.1	169.6	209.6	258.2	308.6	356.8	399.6
122.5°	108.6	113.4	118.2	130.7	147.5	172.1	207.1	250.0	295.3	337.8	376.8
125°	115.3	120.2	125.0	137.5	153.2	174.6	205.0	243.2	283.9	322.8	357.1
127.5°	121.8	126.6	131.4	143.6	157.8	177.5	203.9	236.8	273.6	308.9	340.3
130°	127.5	132.3	137.1	148.9	162.5	180.3	202.8	231.8	263.9	296.1	325.0
132.5°	132.8	137.4	142.1	153.6	166.8	182.5	202.5	227.1	255.0	283.9	310.3
135°	137.5	142.3	147.1	158.2	170.3	184.6	202.1	223.2	247.1	272.5	295.7
137.5°	141.8	146.2	150.7	161.4	173.2	186.1	201.4	219.6	239.6	261.1	281.8
140°	145.3	149.8	154.3	164.6	175.3	187.5	201.1	216.4	233.2	251.4	268.6
142.5°	148.9	153.0	157.1	167.1	177.5	188.6	200.3	213.6	227.1	242.1	256.4
145°	151.8	155.9	160.0	169.3	178.9	188.9	199.6	211.1	222.5	234.3	245.7
147.5°	155.3	158.9	162.5	171.1	180.0	188.9	198.6	208.6	218.6	228.2	237.8
150°	158.2	161.4	164.6	172.8	180.3	188.9	197.1	206.1	214.3	222.5	230.0
152.5°	161.1	164.1	167.1	173.9	181.1	187.8	195.3	203.2	210.3	217.1	223.6
155°	164.3	166.8	169.3	175.3	181.1	187.1	193.2	200.3	206.4	212.1	217.5
157.5°	167.1	169.1	171.1	176.1	181.4	186.1	191.4	197.1	202.1	207.1	211.4
160°	169.3	171.0	172.8	177.1	181.4	185.3	189.3	193.9	198.6	202.5	206.1
162.5°	171.1	172.5	173.9	177.5	181.1	183.9	187.1	190.7	194.3	197.5	200.7
165°	172.5	173.8	175.0	177.8	180.3	182.5	185.0	187.8	190.7	192.8	195.3
167.5°	173.9	174.8	175.7	177.8	180.0	181.1	182.8	185.0	187.5	189.3	190.7
170°	175.0	175.4	175.7	177.5	178.9	179.6	180.7	182.5	184.3	185.3	186.8
172.5°	175.7	175.9	176.1	177.5	178.6	178.6	178.9	180.0	181.4	182.1	183.2
175°	176.1	176.2	176.4	177.1	177.8	177.5	177.5	178.2	178.9	179.3	180.0
177.5°	176.4	176.4	176.4	176.8	177.5	176.8	176.4	176.8	177.1	177.5	177.8
180°	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4

TEST NUMBER: P1012480

CATALOG NUMBER: S123RDIP-B340D365UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1
2.5°	503.0	503.4	502.0	499.3	498.9	499.8	502.5	501.6	499.3	503.4	499.8
5°	475.2	472.9	472.0	472.9	470.2	468.8	471.5	470.2	471.5	472.0	473.3
7.5°	448.3	448.7	446.0	446.5	442.8	443.7	443.7	443.7	445.1	446.0	447.8
10°	425.1	426.0	422.8	423.2	420.5	418.7	420.0	422.8	422.8	422.8	423.7
12.5°	406.4	402.3	400.0	399.5	396.4	395.4	398.2	399.1	401.4	401.4	402.7
15°	383.1	382.2	380.4	380.4	372.7	374.5	375.4	378.6	383.1	379.5	380.4
17.5°	362.2	359.9	357.6	356.7	355.8	353.1	356.7	356.3	359.0	359.5	360.8
20°	343.5	341.7	337.1	337.6	338.5	334.4	336.7	336.7	339.4	342.1	345.3
22.5°	325.3	323.5	321.2	322.1	319.4	318.4	318.4	320.7	323.9	326.2	325.7
25°	311.2	308.0	306.6	305.2	303.9	304.8	303.4	305.7	308.0	309.3	308.0
27.5°	295.2	293.8	291.1	289.7	287.5	288.4	289.3	291.1	292.5	292.5	293.8
30°	279.7	277.9	277.0	275.6	275.6	273.8	274.3	276.1	277.4	278.8	280.6
32.5°	264.7	263.3	262.0	262.0	261.0	260.6	260.1	262.9	262.9	265.6	265.6
35°	252.4	250.1	250.1	247.8	248.7	248.3	247.4	249.2	249.7	251.5	251.0
37.5°	238.7	238.7	237.8	235.5	233.7	234.2	236.4	236.4	237.8	237.4	238.7
40°	225.1	224.1	224.1	222.8	222.3	221.9	222.3	222.8	225.1	224.6	225.1
42.5°	211.4	211.8	209.6	209.6	209.6	208.2	208.7	209.1	210.0	210.9	212.3
45°	198.2	197.3	196.8	195.9	195.0	195.4	195.0	196.8	196.4	197.3	198.6
47.5°	184.1	182.7	182.2	180.4	180.4	181.3	180.9	182.2	182.7	184.1	183.1
50°	170.4	168.6	167.2	167.7	164.9	165.8	165.8	167.2	168.6	169.0	169.9
52.5°	154.4	154.0	153.5	151.3	150.8	150.3	150.8	151.3	153.1	154.4	154.9
55°	139.0	138.5	135.8	134.9	133.5	133.5	134.4	134.9	138.0	138.5	140.3
57.5°	124.8	123.5	120.3	119.8	119.8	119.8	118.5	120.3	121.2	123.5	123.5
60°	109.3	109.3	106.6	106.6	107.1	106.6	106.6	107.1	107.1	108.9	109.8
62.5°	97.0	96.6	96.6	95.7	95.2	95.7	95.2	95.2	95.7	97.0	98.4
65°	86.1	85.6	85.2	84.7	83.8	83.8	84.3	85.2	85.2	86.1	86.6
67.5°	75.6	75.6	74.7	74.7	74.3	73.8	74.3	73.8	75.6	75.6	76.1
70°	65.1	64.7	63.3	62.9	61.5	62.0	62.0	63.3	63.8	64.7	65.6
72.5°	52.4	52.4	51.5	50.6	51.0	50.1	50.1	50.6	50.6	51.9	52.4
75°	43.3	42.4	41.9	42.4	41.9	42.8	41.9	41.9	42.8	42.8	42.8
77.5°	35.5	35.5	35.1	35.1	35.5	35.1	35.5	35.5	35.5	35.1	35.5
80°	29.2	28.7	28.7	28.7	28.2	28.2	28.2	28.2	28.2	28.2	28.2
82.5°	21.9	21.9	21.4	21.9	21.9	21.4	21.9	21.4	21.4	21.9	21.9
85°	14.6	15.5	14.6	14.6	15.0	15.0	15.5	15.0	15.5	14.6	15.0
87.5°	7.7	8.2	8.2	7.7	7.7	8.2	8.2	8.2	8.7	7.7	8.2
90°	10.0	10.4	10.0	10.4	10.7	10.4	10.7	10.4	10.0	10.4	10.0
92.5°	22.6	21.4	20.7	19.3	19.6	18.9	19.6	19.3	20.7	21.4	22.6
95°	61.8	55.4	48.6	45.4	42.9	41.4	42.9	45.4	48.6	55.4	61.8
97.5°	155.4	135.0	111.1	97.5	88.9	85.0	88.9	97.5	111.1	135.0	155.4
100°	325.0	299.6	263.6	237.5	223.6	223.9	223.6	237.5	263.6	299.6	325.0
102.5°	435.2	421.4	395.3	376.0	365.0	354.6	365.0	376.0	395.3	421.4	435.2
105°	502.2	497.5	481.0	467.5	456.0	454.3	456.0	467.5	481.0	497.5	502.2
107.5°	531.6	536.4	534.2	527.8	523.2	519.3	523.2	527.8	534.2	536.4	531.6
110°	532.5	545.0	555.0	557.8	557.1	556.4	557.1	557.8	555.0	545.0	532.5



TEST NUMBER: P1012480

CATALOG NUMBER: S123RDIP-B340D365UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	512.2	529.2	549.6	560.0	563.5	563.9	563.5	560.0	549.6	529.2	512.2
115°	481.6	501.0	527.8	543.5	550.7	552.5	550.7	543.5	527.8	501.0	481.6
117.5°	448.7	468.9	496.8	514.3	525.0	527.5	525.0	514.3	496.8	468.9	448.7
120°	417.6	435.7	463.9	483.9	492.5	494.6	492.5	483.9	463.9	435.7	417.6
122.5°	393.2	409.6	433.9	451.4	461.0	463.9	461.0	451.4	433.9	409.6	393.2
125°	371.4	385.7	408.5	424.3	433.2	435.7	433.2	424.3	408.5	385.7	371.4
127.5°	353.6	366.8	387.5	401.0	409.3	411.4	409.3	401.0	387.5	366.8	353.6
130°	337.2	349.3	368.2	381.0	388.5	391.4	388.5	381.0	368.2	349.3	337.2
132.5°	321.8	333.2	350.7	363.5	370.0	371.8	370.0	363.5	350.7	333.2	321.8
135°	305.8	316.0	333.5	344.3	350.7	353.2	350.7	344.3	333.5	316.0	305.8
137.5°	290.9	300.0	315.0	326.0	331.4	333.5	331.4	326.0	315.0	300.0	290.9
140°	276.2	283.9	297.5	307.5	313.2	312.8	313.2	307.5	297.5	283.9	276.2
142.5°	262.8	269.3	280.3	288.9	293.9	293.6	293.9	288.9	280.3	269.3	262.8
145°	250.9	256.1	265.0	272.5	275.3	276.1	275.3	272.5	265.0	256.1	250.9
147.5°	241.6	245.3	252.5	257.8	260.7	261.1	260.7	257.8	252.5	245.3	241.6
150°	233.4	236.8	242.1	246.1	248.2	248.2	248.2	246.1	242.1	236.8	233.4
152.5°	226.2	228.9	232.8	236.4	237.5	237.5	237.5	236.4	232.8	228.9	226.2
155°	219.6	221.8	225.0	227.8	228.6	228.9	228.6	227.8	225.0	221.8	219.6
157.5°	213.2	215.0	217.8	220.0	220.7	220.7	220.7	220.0	217.8	215.0	213.2
160°	207.4	208.6	211.1	213.2	213.2	212.8	213.2	213.2	211.1	208.6	207.4
162.5°	201.8	202.8	204.3	206.1	206.1	205.7	206.1	206.1	204.3	202.8	201.8
165°	196.2	197.1	198.6	200.0	199.6	199.6	199.6	200.0	198.6	197.1	196.2
167.5°	191.4	192.1	192.8	193.9	193.6	193.6	193.6	193.9	192.8	192.1	191.4
170°	187.2	187.5	187.8	188.6	188.2	188.2	188.2	188.6	187.8	187.5	187.2
172.5°	183.4	183.6	183.6	184.3	183.6	183.2	183.6	184.3	183.6	183.6	183.4
175°	180.0	180.0	180.0	180.3	180.0	179.6	180.0	180.3	180.0	180.0	180.0
177.5°	177.8	177.8	177.5	177.8	177.1	177.1	177.1	177.8	177.5	177.8	177.8
180°	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4

TEST NUMBER: P1012480

CATALOG NUMBER: S123RDIP-B340D365UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1
2.5°	503.4	505.2	503.4	499.8	503.4	505.7	508.0	511.6	513.4	513.4	516.2
5°	474.7	478.4	477.0	476.1	479.7	482.0	485.6	490.2	495.2	498.4	502.0
7.5°	449.2	451.5	453.8	453.8	457.4	462.4	467.9	473.3	479.7	484.3	487.0
10°	426.9	428.7	430.1	431.9	437.4	442.8	450.1	456.9	462.4	467.4	472.0
12.5°	405.5	408.2	411.4	412.8	416.9	423.7	430.5	438.7	447.4	452.4	456.9
15°	385.0	386.3	390.0	394.1	397.7	405.0	413.7	422.3	429.6	437.4	441.5
17.5°	364.0	364.5	374.0	371.8	383.6	390.4	395.0	403.2	415.0	421.4	427.8
20°	343.5	348.1	352.2	354.4	360.8	368.6	381.8	388.2	397.7	403.6	409.1
22.5°	327.6	334.4	334.4	339.9	343.1	350.3	359.9	372.2	382.7	386.8	394.5
25°	313.4	316.6	322.1	323.9	329.8	336.2	342.6	355.8	367.2	372.7	378.1
27.5°	295.2	299.3	306.6	306.6	314.3	321.2	328.9	337.6	349.0	356.7	362.6
30°	281.1	285.2	288.4	293.4	296.6	303.0	316.6	323.0	333.0	339.9	347.2
32.5°	267.9	271.1	273.8	279.3	282.9	290.2	297.5	308.9	317.5	323.9	331.7
35°	253.3	256.5	260.1	264.2	269.7	276.5	283.4	292.9	301.6	307.5	313.9
37.5°	239.6	241.9	247.4	250.1	254.7	261.0	269.7	279.7	287.5	292.0	298.4
40°	226.4	228.2	232.3	237.4	240.5	245.6	254.7	263.3	272.9	278.4	283.4
42.5°	212.3	214.6	218.2	223.2	228.2	233.7	238.7	248.7	257.4	262.0	267.4
45°	200.0	201.4	204.1	209.1	214.1	218.2	226.0	235.1	243.3	246.9	252.8
47.5°	185.4	186.8	190.9	193.2	198.6	204.1	211.8	221.0	228.2	231.9	237.4
50°	170.4	171.8	174.5	179.5	183.1	189.1	195.9	203.6	212.8	217.8	221.0
52.5°	155.8	158.5	160.8	164.9	169.5	175.4	181.8	189.1	196.8	201.8	205.5
55°	141.2	143.5	146.2	148.5	154.0	159.5	166.7	173.6	180.4	185.0	189.1
57.5°	124.8	128.0	130.8	135.3	139.4	144.0	152.2	157.6	165.8	169.0	172.7
60°	110.7	113.9	116.2	119.8	123.5	129.4	134.9	141.7	148.5	152.6	157.2
62.5°	98.9	100.2	101.6	105.2	108.9	114.4	119.8	126.7	133.9	136.2	139.9
65°	87.0	88.4	90.7	93.8	96.6	99.8	105.7	111.2	118.0	121.6	123.0
67.5°	77.0	78.4	78.8	81.1	83.4	87.0	90.2	95.7	102.0	104.3	107.1
70°	65.6	67.9	68.3	70.2	71.1	73.3	77.0	81.1	86.1	90.2	92.5
72.5°	52.4	55.6	56.5	59.2	60.6	62.9	65.6	68.8	72.0	73.8	75.6
75°	42.8	43.7	44.2	46.5	48.7	51.9	53.3	55.1	57.9	60.1	62.0
77.5°	35.5	36.0	36.4	36.4	36.9	38.7	41.5	43.7	45.6	46.5	47.8
80°	28.7	28.2	28.2	28.7	28.7	28.7	29.6	32.8	33.7	36.0	35.5
82.5°	22.3	21.4	21.9	21.4	21.4	21.4	21.4	21.9	21.9	23.2	24.1
85°	14.6	15.0	14.6	14.6	14.1	14.6	14.1	14.1	13.7	13.7	13.2
87.5°	7.7	8.2	7.7	7.7	7.3	7.7	7.3	7.3	6.8	6.8	5.9
90°	9.6	9.3	8.9	8.6	8.9	7.9	6.8	5.7	4.6	4.2	3.9
92.5°	23.9	27.5	35.4	49.6	66.4	73.6	55.0	36.1	24.6	21.4	18.2
95°	68.2	87.1	128.6	171.8	211.8	188.6	130.0	76.8	46.4	39.4	32.5
97.5°	175.7	222.8	295.3	336.8	325.7	243.2	144.6	82.9	52.9	45.2	37.5
100°	350.3	392.1	421.0	408.5	338.2	228.6	134.6	81.8	56.8	49.8	42.9
102.5°	448.9	468.9	462.8	412.1	315.0	207.1	126.1	83.2	61.4	55.2	48.9
105°	506.8	500.0	464.3	389.6	287.1	190.3	122.8	86.1	66.8	61.2	55.7
107.5°	526.7	498.9	442.8	357.5	262.5	178.2	122.1	90.7	73.6	68.4	63.2
110°	520.0	475.0	409.3	327.5	242.1	171.8	123.9	96.8	80.7	75.7	70.7

TEST NUMBER: P1012480

CATALOG NUMBER: S123RDIP-B340D365UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	495.3	443.5	376.0	301.4	228.6	168.2	127.5	102.9	88.2	83.4	78.6
115°	462.1	409.6	347.5	281.4	219.6	167.8	131.4	109.6	96.1	91.2	86.4
117.5°	428.5	380.3	325.3	268.2	213.6	168.2	136.4	116.8	103.2	98.8	94.3
120°	399.6	356.8	308.6	258.2	209.6	169.6	142.1	123.6	110.7	106.2	101.8
122.5°	376.8	337.8	295.3	250.0	207.1	172.1	147.5	130.7	118.2	113.4	108.6
125°	357.1	322.8	283.9	243.2	205.0	174.6	153.2	137.5	125.0	120.2	115.3
127.5°	340.3	308.9	273.6	236.8	203.9	177.5	157.8	143.6	131.4	126.6	121.8
130°	325.0	296.1	263.9	231.8	202.8	180.3	162.5	148.9	137.1	132.3	127.5
132.5°	310.3	283.9	255.0	227.1	202.5	182.5	166.8	153.6	142.1	137.4	132.8
135°	295.7	272.5	247.1	223.2	202.1	184.6	170.3	158.2	147.1	142.3	137.5
137.5°	281.8	261.1	239.6	219.6	201.4	186.1	173.2	161.4	150.7	146.2	141.8
140°	268.6	251.4	233.2	216.4	201.1	187.5	175.3	164.6	154.3	149.8	145.3
142.5°	256.4	242.1	227.1	213.6	200.3	188.6	177.5	167.1	157.1	153.0	148.9
145°	245.7	234.3	222.5	211.1	199.6	188.9	178.9	169.3	160.0	155.9	151.8
147.5°	237.8	228.2	218.6	208.6	198.6	188.9	180.0	171.1	162.5	158.9	155.3
150°	230.0	222.5	214.3	206.1	197.1	188.9	180.3	172.8	164.6	161.4	158.2
152.5°	223.6	217.1	210.3	203.2	195.3	187.8	181.1	173.9	167.1	164.1	161.1
155°	217.5	212.1	206.4	200.3	193.2	187.1	181.1	175.3	169.3	166.8	164.3
157.5°	211.4	207.1	202.1	197.1	191.4	186.1	181.4	176.1	171.1	169.1	167.1
160°	206.1	202.5	198.6	193.9	189.3	185.3	181.4	177.1	172.8	171.0	169.3
162.5°	200.7	197.5	194.3	190.7	187.1	183.9	181.1	177.5	173.9	172.5	171.1
165°	195.3	192.8	190.7	187.8	185.0	182.5	180.3	177.8	175.0	173.8	172.5
167.5°	190.7	189.3	187.5	185.0	182.8	181.1	180.0	177.8	175.7	174.8	173.9
170°	186.8	185.3	184.3	182.5	180.7	179.6	178.9	177.5	175.7	175.4	175.0
172.5°	183.2	182.1	181.4	180.0	178.9	178.6	178.6	177.5	176.1	175.9	175.7
175°	180.0	179.3	178.9	178.2	177.5	177.5	177.8	177.1	176.4	176.2	176.1
177.5°	177.8	177.5	177.1	176.8	176.4	176.8	177.5	176.8	176.4	176.4	176.4
180°	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4	176.4

TEST NUMBER: P1012480

CATALOG NUMBER: S123RDIP-B340D365UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	532.1	532.1	532.1	532.1
2.5°	518.4	521.6	528.0	533.5
5°	507.5	512.5	522.1	531.7
7.5°	494.3	502.0	514.3	527.6
10°	481.5	491.6	506.6	522.1
12.5°	468.8	479.3	495.2	515.3
15°	453.8	464.7	483.8	508.0
17.5°	440.5	455.1	472.4	496.6
20°	426.4	437.4	459.7	485.2
22.5°	408.7	426.9	447.8	474.7
25°	394.5	410.5	431.4	462.0
27.5°	377.2	395.9	421.4	448.3
30°	363.1	378.6	402.3	434.6
32.5°	346.7	364.9	389.5	421.4
35°	332.1	347.6	370.8	403.2
37.5°	314.8	331.7	357.6	386.3
40°	299.8	316.2	340.8	367.7
42.5°	281.5	298.9	323.5	346.2
45°	267.0	282.9	302.5	323.5
47.5°	249.2	266.1	285.2	299.8
50°	233.3	248.7	263.8	276.1
52.5°	215.9	230.1	243.7	252.8
55°	200.0	210.9	221.9	228.2
57.5°	181.3	191.8	200.9	204.6
60°	164.9	173.6	179.5	183.6
62.5°	147.6	154.0	158.5	160.8
65°	130.8	135.3	137.6	139.9
67.5°	113.4	117.5	118.9	121.6
70°	95.2	99.8	100.7	102.0
72.5°	81.5	81.5	83.4	85.2
75°	65.1	66.1	67.0	67.0
77.5°	51.0	51.0	51.9	52.4
80°	37.4	37.8	37.8	37.4
82.5°	25.5	26.4	25.5	25.1
85°	14.1	15.9	15.0	15.0
87.5°	5.9	5.9	6.8	5.9
90°	3.2	2.1	1.4	0.7
92.5°	14.6	11.4	7.9	5.4
95°	23.2	17.1	13.2	12.1
97.5°	28.2	22.9	19.6	19.3
100°	34.3	29.3	26.8	26.4
102.5°	41.4	36.8	34.6	33.9
105°	48.9	44.6	42.5	41.4
107.5°	56.8	52.5	50.4	49.3
110°	64.6	60.7	58.9	57.9

TEST NUMBER: P1012480

CATALOG NUMBER: S123RDIP-B340D365UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	72.5	68.6	66.8	65.7
115°	80.4	76.8	74.6	73.2
117.5°	87.5	84.3	82.5	80.7
120°	95.0	91.4	89.6	88.6
122.5°	102.1	98.2	96.4	95.4
125°	108.6	104.6	102.5	101.8
127.5°	114.3	110.3	107.8	106.8
130°	120.0	115.7	112.5	111.4
132.5°	125.3	120.0	116.4	115.0
135°	130.0	124.6	120.7	119.3
137.5°	134.3	128.6	124.6	123.2
140°	138.2	132.5	128.9	127.1
142.5°	141.8	136.8	132.8	131.4
145°	145.7	140.3	137.1	136.1
147.5°	149.3	144.6	141.4	140.7
150°	153.2	148.6	145.7	145.3
152.5°	156.8	152.8	150.0	150.0
155°	160.3	156.8	154.6	154.6
157.5°	163.6	160.3	158.6	158.2
160°	166.8	163.9	162.5	162.5
162.5°	168.9	166.8	165.7	165.7
165°	171.1	169.3	168.6	168.9
167.5°	172.8	171.4	171.1	171.4
170°	174.3	173.2	172.8	173.6
172.5°	175.3	174.6	174.6	175.0
175°	176.1	175.3	175.7	176.1
177.5°	176.4	176.1	176.4	176.8
180°	176.4	176.4	176.4	176.4

(END OF REPORT)