

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: P1032241

Luminaire Tested: S123RDIW-B340D460UB35-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1032241
REPORT IS A COMBINATION OF REPORTS P994318 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIW-B340D460UB35-4F0-XX-W2A-A1
Description: Define 3 Regressed Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721}
{m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

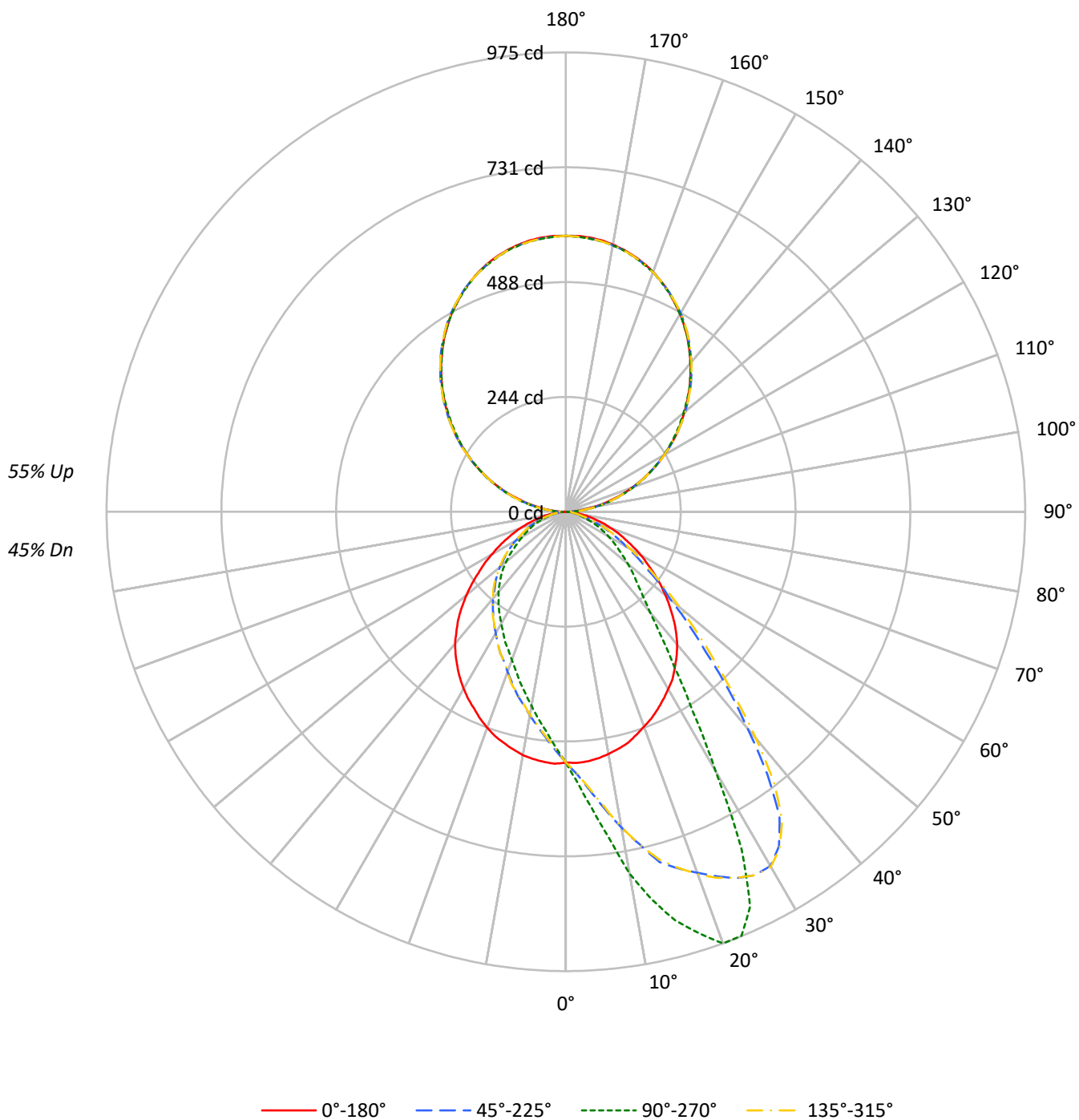
Lumens per Lamp: N/A
Luminaire Lumens: 2949.0 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 26.2
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	106	106	106	106	97	97	97	97	81	81	81	65	65	65	52	52	52
1	97	93	89	86	89	86	82	80	71	69	67	58	57	55	46	45	45
2	89	82	76	71	81	75	70	66	63	60	56	52	49	47	41	40	38
3	81	72	65	60	74	67	61	56	56	52	48	46	43	40	37	35	33
4	75	64	57	51	68	59	53	48	50	45	41	42	38	35	34	31	29
5	69	58	50	44	63	53	46	41	45	40	36	38	34	31	30	28	26
6	63	52	44	38	58	48	41	36	41	36	32	34	30	27	28	25	23
7	59	47	39	34	54	44	37	32	37	32	28	31	27	24	25	23	20
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	23	21	18
9	51	39	32	27	47	36	30	25	31	26	22	26	22	20	22	19	17
10	47	36	29	24	44	33	27	23	29	24	20	24	20	18	20	17	15

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	1.8
10°-20°	163.6	5.5
20°-30°	257.6	8.7
30°-40°	267.9	9.1
40°-50°	229.2	7.8
50°-60°	174.7	5.9
60°-70°	111.9	3.8
70°-80°	53.6	1.8
80°-90°	15.3	0.5
90°-100°	37.7	1.3
100°-110°	114.1	3.9
110°-120°	194.3	6.6
120°-130°	255.6	8.7
130°-140°	287.3	9.7
140°-150°	282.4	9.6
150°-160°	237.8	8.1
160°-170°	158.3	5.4
170°-180°	55.4	1.9
0°-30°	473.5	16.1
0°-40°	741.4	25.1
0°-60°	1145.3	38.8
0°-90°	1326.2	45.0
90°-120°	346.1	11.7
90°-150°	1171.3	39.7
90°-180°	1623.0	55.0
0°-180°	2949.0	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°	0	14	0	14	0	3
95°	27	36	27	36	27	30
105°	104	110	104	110	104	111
115°	196	196	196	196	196	193
125°	286	283	286	283	286	255
135°	371	371	371	371	371	286
145°	450	450	450	450	450	281
155°	516	515	516	515	516	237
165°	562	560	562	560	562	158
175°	584	582	584	582	584	56
180°	586	586	586	586	586	

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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°	0.5	1.5	2.5	3.6	4.6	5.1	5.8	7.1	8.4	9.7	11.0
92.5°	13.8	14.4	15.0	15.7	16.3	16.6	16.9	17.5	18.1	18.7	19.3
95°	27.1	27.8	28.6	29.3	30.0	30.4	30.8	31.6	32.4	33.2	34.0
97.5°	44.6	45.1	45.6	46.1	46.6	46.9	47.2	47.8	48.5	49.1	49.7
100°	62.6	63.2	63.8	64.4	65.0	65.3	65.6	66.1	66.6	67.1	67.6
102.5°	83.3	83.6	83.9	84.2	84.5	84.7	85.1	85.8	86.5	87.2	87.9
105°	103.5	103.7	103.9	104.1	104.3	104.4	104.9	105.8	106.7	107.7	108.6
107.5°	127.4	127.5	127.6	127.7	127.8	127.9	128.1	128.5	128.9	129.3	129.7
110°	149.5	149.7	149.9	150.1	150.3	150.4	150.5	150.7	151.0	151.2	151.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	172.5	172.6	172.7	172.8	172.9	173.0	173.0	173.0	173.0	173.0	173.0
115°	195.5	195.8	196.1	196.4	196.7	196.9	196.8	196.6	196.4	196.2	196.0
117.5°	219.0	219.1	219.2	219.3	219.4	219.5	219.4	219.2	218.9	218.7	218.5
120°	240.6	241.2	241.8	242.5	243.1	243.4	243.1	242.6	242.1	241.6	241.1
122.5°	263.2	263.6	264.0	264.4	264.8	265.0	264.9	264.7	264.5	264.3	264.1
125°	286.2	286.5	286.8	287.1	287.4	287.5	287.4	287.2	287.0	286.8	286.6
127.5°	307.3	307.9	308.5	309.2	309.8	310.1	310.0	309.8	309.6	309.4	309.2
130°	328.5	329.3	330.1	331.0	331.8	332.2	332.0	331.7	331.4	331.1	330.8
132.5°	349.6	350.4	351.2	352.1	352.9	353.3	353.2	353.0	352.8	352.6	352.4
135°	371.3	371.9	372.5	373.1	373.7	374.0	374.0	373.9	373.8	373.7	373.6
137.5°	391.1	391.6	392.1	392.6	393.1	393.4	393.5	393.8	394.1	394.4	394.7
140°	411.8	412.3	412.8	413.3	413.8	414.1	414.1	414.2	414.3	414.4	414.5
142.5°	430.6	431.1	431.6	432.1	432.6	432.9	433.0	433.2	433.4	433.6	433.8
145°	450.4	450.6	450.8	451.0	451.2	451.3	451.5	451.8	452.1	452.4	452.7
147.5°	467.4	467.8	468.2	468.7	469.1	469.3	469.4	469.7	470.0	470.3	470.6
150°	485.4	485.6	485.8	486.0	486.2	486.3	486.4	486.6	486.8	487.0	487.2
152.5°	500.1	500.4	500.7	501.0	501.3	501.5	501.5	501.6	501.7	501.8	501.9
155°	515.7	515.7	515.7	515.7	515.7	515.7	515.8	515.9	516.0	516.1	516.2
157.5°	529.1	529.0	528.9	528.8	528.7	528.6	528.7	528.8	528.9	529.0	529.1
160°	541.5	541.3	541.1	540.9	540.7	540.6	540.6	540.6	540.6	540.6	540.6
162.5°	552.5	552.2	551.9	551.6	551.3	551.2	551.2	551.3	551.4	551.5	551.6
165°	561.7	561.4	561.1	560.8	560.5	560.4	560.4	560.4	560.4	560.4	560.4
167.5°	569.6	569.2	568.8	568.3	567.9	567.7	567.8	567.9	568.0	568.1	568.2
170°	576.0	575.6	575.2	574.8	574.4	574.2	574.2	574.2	574.2	574.2	574.2
172.5°	581.1	580.7	580.3	579.8	579.4	579.2	579.2	579.2	579.2	579.2	579.2
175°	584.3	583.9	583.5	583.0	582.6	582.4	582.4	582.4	582.4	582.4	582.4
177.5°	586.1	585.7	585.3	584.9	584.5	584.3	584.3	584.3	584.3	584.3	584.3
180°	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7

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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°	11.4	11.8	12.3	12.7	12.9	13.0	13.2	13.4	13.6	13.8	13.6
92.5°	19.6	19.9	20.2	20.5	20.7	20.6	20.4	20.2	20.0	19.8	20.0
95°	34.4	34.8	35.3	35.7	35.9	35.9	35.9	35.9	35.9	35.9	35.9
97.5°	50.2	50.7	51.2	51.7	52.0	51.9	51.8	51.7	51.6	51.5	51.6
100°	67.9	68.2	68.5	68.8	69.0	69.1	69.3	69.5	69.7	69.9	69.7
102.5°	88.2	88.5	88.8	89.1	89.3	89.2	89.1	89.0	88.9	88.8	88.9
105°	108.6	108.6	108.6	108.6	108.6	108.7	108.9	109.1	109.3	109.5	109.3
107.5°	130.0	130.3	130.6	130.9	131.1	131.1	131.0	130.9	130.8	130.7	130.8
110°	151.8	152.2	152.6	153.0	153.2	153.1	152.9	152.7	152.5	152.3	152.5

TEST NUMBER: P1032241

CATALOG NUMBER: S123RDIW-B340D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	173.5	174.0	174.5	175.0	175.3	175.3	175.3	175.3	175.3	175.3	175.3
115°	196.1	196.2	196.3	196.4	196.4	196.4	196.3	196.2	196.1	196.0	196.1
117.5°	218.5	218.5	218.5	218.5	218.5	218.4	218.1	217.8	217.5	217.2	217.5
120°	241.0	240.9	240.8	240.7	240.6	240.5	240.3	240.1	239.9	239.7	239.9
122.5°	263.8	263.5	263.2	262.9	262.7	262.5	262.2	261.9	261.6	261.3	261.6
125°	286.2	285.8	285.4	285.0	284.8	284.6	284.2	283.7	283.3	282.9	283.3
127.5°	308.6	308.0	307.3	306.7	306.4	306.2	305.8	305.4	305.0	304.6	305.0
130°	330.4	330.0	329.5	329.1	328.9	328.5	327.8	327.1	326.4	325.7	326.4
132.5°	351.9	351.4	350.9	350.4	350.1	349.8	349.3	348.8	348.3	347.8	348.3
135°	373.2	372.8	372.3	371.9	371.7	371.6	371.4	371.2	371.0	370.8	371.0
137.5°	394.2	393.7	393.2	392.7	392.4	392.3	392.0	391.7	391.4	391.1	391.4
140°	414.4	414.3	414.2	414.1	414.1	413.7	413.0	412.3	411.5	410.8	411.5
142.5°	433.7	433.6	433.5	433.4	433.4	433.1	432.6	432.1	431.6	431.1	431.6
145°	452.6	452.5	452.4	452.3	452.2	452.0	451.6	451.2	450.8	450.4	450.8
147.5°	470.6	470.6	470.6	470.6	470.6	470.3	469.7	469.1	468.5	467.9	468.5
150°	487.2	487.2	487.2	487.2	487.2	486.9	486.3	485.6	485.0	484.4	485.0
152.5°	502.1	502.3	502.6	502.8	502.9	502.6	502.1	501.6	501.0	500.5	501.0
155°	516.6	517.0	517.4	517.8	518.0	517.6	516.9	516.2	515.5	514.8	515.5
157.5°	529.5	529.9	530.3	530.7	530.9	530.6	530.0	529.4	528.8	528.2	528.8
160°	541.1	541.6	542.1	542.6	542.9	542.7	542.3	541.8	541.4	541.0	541.4
162.5°	552.1	552.6	553.1	553.6	553.9	553.5	552.8	552.1	551.4	550.7	551.4
165°	561.0	561.6	562.2	562.8	563.1	562.7	562.0	561.3	560.6	559.9	560.6
167.5°	568.8	569.4	570.0	570.6	570.9	570.6	570.0	569.4	568.8	568.2	568.8
170°	574.9	575.6	576.3	577.0	577.4	577.0	576.3	575.6	574.9	574.2	574.9
172.5°	579.8	580.4	581.1	581.7	582.0	581.6	580.9	580.2	579.5	578.8	579.5
175°	583.0	583.6	584.3	584.9	585.2	584.8	584.1	583.4	582.7	582.0	582.7
177.5°	584.9	585.5	586.1	586.7	587.0	586.6	585.9	585.2	584.5	583.8	584.5
180°	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7

TEST NUMBER: P1032241

CATALOG NUMBER: S123RDIW-B340D460UB35-4F0-XX-W2A-A1

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°	13.4	13.2	13.0	12.9	12.7	12.3	11.8	11.4	11.0	9.7	8.4
92.5°	20.2	20.4	20.6	20.7	20.5	20.2	19.9	19.6	19.3	18.7	18.1
95°	35.9	35.9	35.9	35.9	35.7	35.3	34.8	34.4	34.0	33.2	32.4
97.5°	51.7	51.8	51.9	52.0	51.7	51.2	50.7	50.2	49.7	49.1	48.5
100°	69.5	69.3	69.1	69.0	68.8	68.5	68.2	67.9	67.6	67.1	66.6
102.5°	89.0	89.1	89.2	89.3	89.1	88.8	88.5	88.2	87.9	87.2	86.5
105°	109.1	108.9	108.7	108.6	108.6	108.6	108.6	108.6	108.6	107.7	106.7
107.5°	130.9	131.0	131.1	131.1	130.9	130.6	130.3	130.0	129.7	129.3	128.9
110°	152.7	152.9	153.1	153.2	153.0	152.6	152.2	151.8	151.4	151.2	151.0

TEST NUMBER: P1032241

CATALOG NUMBER: S123RDIW-B340D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	175.3	175.3	175.3	175.3	175.0	174.5	174.0	173.5	173.0	173.0	173.0
115°	196.2	196.3	196.4	196.4	196.4	196.3	196.2	196.1	196.0	196.2	196.4
117.5°	217.8	218.1	218.4	218.5	218.5	218.5	218.5	218.5	218.5	218.7	218.9
120°	240.1	240.3	240.5	240.6	240.7	240.8	240.9	241.0	241.1	241.6	242.1
122.5°	261.9	262.2	262.5	262.7	262.9	263.2	263.5	263.8	264.1	264.3	264.5
125°	283.7	284.2	284.6	284.8	285.0	285.4	285.8	286.2	286.6	286.8	287.0
127.5°	305.4	305.8	306.2	306.4	306.7	307.3	308.0	308.6	309.2	309.4	309.6
130°	327.1	327.8	328.5	328.9	329.1	329.5	330.0	330.4	330.8	331.1	331.4
132.5°	348.8	349.3	349.8	350.1	350.4	350.9	351.4	351.9	352.4	352.6	352.8
135°	371.2	371.4	371.6	371.7	371.9	372.3	372.8	373.2	373.6	373.7	373.8
137.5°	391.7	392.0	392.3	392.4	392.7	393.2	393.7	394.2	394.7	394.4	394.1
140°	412.3	413.0	413.7	414.1	414.1	414.2	414.3	414.4	414.5	414.4	414.3
142.5°	432.1	432.6	433.1	433.4	433.4	433.5	433.6	433.7	433.8	433.6	433.4
145°	451.2	451.6	452.0	452.2	452.3	452.4	452.5	452.6	452.7	452.4	452.1
147.5°	469.1	469.7	470.3	470.6	470.6	470.6	470.6	470.6	470.6	470.3	470.0
150°	485.6	486.3	486.9	487.2	487.2	487.2	487.2	487.2	487.2	487.0	486.8
152.5°	501.6	502.1	502.6	502.9	502.8	502.6	502.3	502.1	501.9	501.8	501.7
155°	516.2	516.9	517.6	518.0	517.8	517.4	517.0	516.6	516.2	516.1	516.0
157.5°	529.4	530.0	530.6	530.9	530.7	530.3	529.9	529.5	529.1	529.0	528.9
160°	541.8	542.3	542.7	542.9	542.6	542.1	541.6	541.1	540.6	540.6	540.6
162.5°	552.1	552.8	553.5	553.9	553.6	553.1	552.6	552.1	551.6	551.5	551.4
165°	561.3	562.0	562.7	563.1	562.8	562.2	561.6	561.0	560.4	560.4	560.4
167.5°	569.4	570.0	570.6	570.9	570.6	570.0	569.4	568.8	568.2	568.1	568.0
170°	575.6	576.3	577.0	577.4	577.0	576.3	575.6	574.9	574.2	574.2	574.2
172.5°	580.2	580.9	581.6	582.0	581.7	581.1	580.4	579.8	579.2	579.2	579.2
175°	583.4	584.1	584.8	585.2	584.9	584.3	583.6	583.0	582.4	582.4	582.4
177.5°	585.2	585.9	586.6	587.0	586.7	586.1	585.5	584.9	584.3	584.3	584.3
180°	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7

TEST NUMBER: P1032241

CATALOG NUMBER: S123RDIW-B340D460UB35-4F0-XX-W2A-A1

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°	7.1	5.8	5.1	4.6	3.6	2.5	1.5	0.5	1.5	2.5	3.6
92.5°	17.5	16.9	16.6	16.3	15.7	15.0	14.4	13.8	14.4	15.0	15.7
95°	31.6	30.8	30.4	30.0	29.3	28.6	27.8	27.1	27.8	28.6	29.3
97.5°	47.8	47.2	46.9	46.6	46.1	45.6	45.1	44.6	45.1	45.6	46.1
100°	66.1	65.6	65.3	65.0	64.4	63.8	63.2	62.6	63.2	63.8	64.4
102.5°	85.8	85.1	84.7	84.5	84.2	83.9	83.6	83.3	83.6	83.9	84.2
105°	105.8	104.9	104.4	104.3	104.1	103.9	103.7	103.5	103.7	103.9	104.1
107.5°	128.5	128.1	127.9	127.8	127.7	127.6	127.5	127.4	127.5	127.6	127.7
110°	150.7	150.5	150.4	150.3	150.1	149.9	149.7	149.5	149.7	149.9	150.1

TEST NUMBER: P1032241

CATALOG NUMBER: S123RDIW-B340D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	173.0	173.0	173.0	172.9	172.8	172.7	172.6	172.5	172.6	172.7	172.8
115°	196.6	196.8	196.9	196.7	196.4	196.1	195.8	195.5	195.8	196.1	196.4
117.5°	219.2	219.4	219.5	219.4	219.3	219.2	219.1	219.0	219.1	219.2	219.3
120°	242.6	243.1	243.4	243.1	242.5	241.8	241.2	240.6	241.2	241.8	242.5
122.5°	264.7	264.9	265.0	264.8	264.4	264.0	263.6	263.2	263.6	264.0	264.4
125°	287.2	287.4	287.5	287.4	287.1	286.8	286.5	286.2	286.5	286.8	287.1
127.5°	309.8	310.0	310.1	309.8	309.2	308.5	307.9	307.3	307.9	308.5	309.2
130°	331.7	332.0	332.2	331.8	331.0	330.1	329.3	328.5	329.3	330.1	331.0
132.5°	353.0	353.2	353.3	352.9	352.1	351.2	350.4	349.6	350.4	351.2	352.1
135°	373.9	374.0	374.0	373.7	373.1	372.5	371.9	371.3	371.9	372.5	373.1
137.5°	393.8	393.5	393.4	393.1	392.6	392.1	391.6	391.1	391.6	392.1	392.6
140°	414.2	414.1	414.1	413.8	413.3	412.8	412.3	411.8	412.3	412.8	413.3
142.5°	433.2	433.0	432.9	432.6	432.1	431.6	431.1	430.6	431.1	431.6	432.1
145°	451.8	451.5	451.3	451.2	451.0	450.8	450.6	450.4	450.6	450.8	451.0
147.5°	469.7	469.4	469.3	469.1	468.7	468.2	467.8	467.4	467.8	468.2	468.7
150°	486.6	486.4	486.3	486.2	486.0	485.8	485.6	485.4	485.6	485.8	486.0
152.5°	501.6	501.5	501.5	501.3	501.0	500.7	500.4	500.1	500.4	500.7	501.0
155°	515.9	515.8	515.7	515.7	515.7	515.7	515.7	515.7	515.7	515.7	515.7
157.5°	528.8	528.7	528.6	528.7	528.8	528.9	529.0	529.1	529.0	528.9	528.8
160°	540.6	540.6	540.6	540.7	540.9	541.1	541.3	541.5	541.3	541.1	540.9
162.5°	551.3	551.2	551.2	551.3	551.6	551.9	552.2	552.5	552.2	551.9	551.6
165°	560.4	560.4	560.4	560.5	560.8	561.1	561.4	561.7	561.4	561.1	560.8
167.5°	567.9	567.8	567.7	567.9	568.3	568.8	569.2	569.6	569.2	568.8	568.3
170°	574.2	574.2	574.2	574.4	574.8	575.2	575.6	576.0	575.6	575.2	574.8
172.5°	579.2	579.2	579.2	579.4	579.8	580.3	580.7	581.1	580.7	580.3	579.8
175°	582.4	582.4	582.4	582.6	583.0	583.5	583.9	584.3	583.9	583.5	583.0
177.5°	584.3	584.3	584.3	584.5	584.9	585.3	585.7	586.1	585.7	585.3	584.9
180°	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7

TEST NUMBER: P1032241

CATALOG NUMBER: S123RDIW-B340D460UB35-4F0-XX-W2A-A1

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°	4.6	5.1	5.8	7.1	8.4	9.7	11.0	11.4	11.8	12.3	12.7
92.5°	16.3	16.6	16.9	17.5	18.1	18.7	19.3	19.6	19.9	20.2	20.5
95°	30.0	30.4	30.8	31.6	32.4	33.2	34.0	34.4	34.8	35.3	35.7
97.5°	46.6	46.9	47.2	47.8	48.5	49.1	49.7	50.2	50.7	51.2	51.7
100°	65.0	65.3	65.6	66.1	66.6	67.1	67.6	67.9	68.2	68.5	68.8
102.5°	84.5	84.7	85.1	85.8	86.5	87.2	87.9	88.2	88.5	88.8	89.1
105°	104.3	104.4	104.9	105.8	106.7	107.7	108.6	108.6	108.6	108.6	108.6
107.5°	127.8	127.9	128.1	128.5	128.9	129.3	129.7	130.0	130.3	130.6	130.9
110°	150.3	150.4	150.5	150.7	151.0	151.2	151.4	151.8	152.2	152.6	153.0

TEST NUMBER: P1032241

CATALOG NUMBER: S123RDIW-B340D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	172.9	173.0	173.0	173.0	173.0	173.0	173.0	173.5	174.0	174.5	175.0
115°	196.7	196.9	196.8	196.6	196.4	196.2	196.0	196.1	196.2	196.3	196.4
117.5°	219.4	219.5	219.4	219.2	218.9	218.7	218.5	218.5	218.5	218.5	218.5
120°	243.1	243.4	243.1	242.6	242.1	241.6	241.1	241.0	240.9	240.8	240.7
122.5°	264.8	265.0	264.9	264.7	264.5	264.3	264.1	263.8	263.5	263.2	262.9
125°	287.4	287.5	287.4	287.2	287.0	286.8	286.6	286.2	285.8	285.4	285.0
127.5°	309.8	310.1	310.0	309.8	309.6	309.4	309.2	308.6	308.0	307.3	306.7
130°	331.8	332.2	332.0	331.7	331.4	331.1	330.8	330.4	330.0	329.5	329.1
132.5°	352.9	353.3	353.2	353.0	352.8	352.6	352.4	351.9	351.4	350.9	350.4
135°	373.7	374.0	374.0	373.9	373.8	373.7	373.6	373.2	372.8	372.3	371.9
137.5°	393.1	393.4	393.5	393.8	394.1	394.4	394.7	394.2	393.7	393.2	392.7
140°	413.8	414.1	414.1	414.2	414.3	414.4	414.5	414.4	414.3	414.2	414.1
142.5°	432.6	432.9	433.0	433.2	433.4	433.6	433.8	433.7	433.6	433.5	433.4
145°	451.2	451.3	451.5	451.8	452.1	452.4	452.7	452.6	452.5	452.4	452.3
147.5°	469.1	469.3	469.4	469.7	470.0	470.3	470.6	470.6	470.6	470.6	470.6
150°	486.2	486.3	486.4	486.6	486.8	487.0	487.2	487.2	487.2	487.2	487.2
152.5°	501.3	501.5	501.5	501.6	501.7	501.8	501.9	502.1	502.3	502.6	502.8
155°	515.7	515.7	515.8	515.9	516.0	516.1	516.2	516.6	517.0	517.4	517.8
157.5°	528.7	528.6	528.7	528.8	528.9	529.0	529.1	529.5	529.9	530.3	530.7
160°	540.7	540.6	540.6	540.6	540.6	540.6	540.6	541.1	541.6	542.1	542.6
162.5°	551.3	551.2	551.2	551.3	551.4	551.5	551.6	552.1	552.6	553.1	553.6
165°	560.5	560.4	560.4	560.4	560.4	560.4	560.4	561.0	561.6	562.2	562.8
167.5°	567.9	567.7	567.8	567.9	568.0	568.1	568.2	568.8	569.4	570.0	570.6
170°	574.4	574.2	574.2	574.2	574.2	574.2	574.2	574.9	575.6	576.3	577.0
172.5°	579.4	579.2	579.2	579.2	579.2	579.2	579.2	579.8	580.4	581.1	581.7
175°	582.6	582.4	582.4	582.4	582.4	582.4	582.4	583.0	583.6	584.3	584.9
177.5°	584.5	584.3	584.3	584.3	584.3	584.3	584.3	584.9	585.5	586.1	586.7
180°	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7

TEST NUMBER: P1032241

CATALOG NUMBER: S123RDIW-B340D460UB35-4F0-XX-W2A-A1

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°	12.9	13.0	13.2	13.4	13.6	13.8	13.6	13.4	13.2	13.0	12.9
92.5°	20.7	20.6	20.4	20.2	20.0	19.8	20.0	20.2	20.4	20.6	20.7
95°	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
97.5°	52.0	51.9	51.8	51.7	51.6	51.5	51.6	51.7	51.8	51.9	52.0
100°	69.0	69.1	69.3	69.5	69.7	69.9	69.7	69.5	69.3	69.1	69.0
102.5°	89.3	89.2	89.1	89.0	88.9	88.8	88.9	89.0	89.1	89.2	89.3
105°	108.6	108.7	108.9	109.1	109.3	109.5	109.3	109.1	108.9	108.7	108.6
107.5°	131.1	131.1	131.0	130.9	130.8	130.7	130.8	130.9	131.0	131.1	131.1
110°	153.2	153.1	152.9	152.7	152.5	152.3	152.5	152.7	152.9	153.1	153.2

TEST NUMBER: P1032241

CATALOG NUMBER: S123RDIW-B340D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3
115°	196.4	196.4	196.3	196.2	196.1	196.0	196.1	196.2	196.3	196.4	196.4
117.5°	218.5	218.4	218.1	217.8	217.5	217.2	217.5	217.8	218.1	218.4	218.5
120°	240.6	240.5	240.3	240.1	239.9	239.7	239.9	240.1	240.3	240.5	240.6
122.5°	262.7	262.5	262.2	261.9	261.6	261.3	261.6	261.9	262.2	262.5	262.7
125°	284.8	284.6	284.2	283.7	283.3	282.9	283.3	283.7	284.2	284.6	284.8
127.5°	306.4	306.2	305.8	305.4	305.0	304.6	305.0	305.4	305.8	306.2	306.4
130°	328.9	328.5	327.8	327.1	326.4	325.7	326.4	327.1	327.8	328.5	328.9
132.5°	350.1	349.8	349.3	348.8	348.3	347.8	348.3	348.8	349.3	349.8	350.1
135°	371.7	371.6	371.4	371.2	371.0	370.8	371.0	371.2	371.4	371.6	371.7
137.5°	392.4	392.3	392.0	391.7	391.4	391.1	391.4	391.7	392.0	392.3	392.4
140°	414.1	413.7	413.0	412.3	411.5	410.8	411.5	412.3	413.0	413.7	414.1
142.5°	433.4	433.1	432.6	432.1	431.6	431.1	431.6	432.1	432.6	433.1	433.4
145°	452.2	452.0	451.6	451.2	450.8	450.4	450.8	451.2	451.6	452.0	452.2
147.5°	470.6	470.3	469.7	469.1	468.5	467.9	468.5	469.1	469.7	470.3	470.6
150°	487.2	486.9	486.3	485.6	485.0	484.4	485.0	485.6	486.3	486.9	487.2
152.5°	502.9	502.6	502.1	501.6	501.0	500.5	501.0	501.6	502.1	502.6	502.9
155°	518.0	517.6	516.9	516.2	515.5	514.8	515.5	516.2	516.9	517.6	518.0
157.5°	530.9	530.6	530.0	529.4	528.8	528.2	528.8	529.4	530.0	530.6	530.9
160°	542.9	542.7	542.3	541.8	541.4	541.0	541.4	541.8	542.3	542.7	542.9
162.5°	553.9	553.5	552.8	552.1	551.4	550.7	551.4	552.1	552.8	553.5	553.9
165°	563.1	562.7	562.0	561.3	560.6	559.9	560.6	561.3	562.0	562.7	563.1
167.5°	570.9	570.6	570.0	569.4	568.8	568.2	568.8	569.4	570.0	570.6	570.9
170°	577.4	577.0	576.3	575.6	574.9	574.2	574.9	575.6	576.3	577.0	577.4
172.5°	582.0	581.6	580.9	580.2	579.5	578.8	579.5	580.2	580.9	581.6	582.0
175°	585.2	584.8	584.1	583.4	582.7	582.0	582.7	583.4	584.1	584.8	585.2
177.5°	587.0	586.6	585.9	585.2	584.5	583.8	584.5	585.2	585.9	586.6	587.0
180°	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7

TEST NUMBER: P1032241

CATALOG NUMBER: S123RDIW-B340D460UB35-4F0-XX-W2A-A1

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°	12.7	12.3	11.8	11.4	11.0	9.7	8.4	7.1	5.8	5.1	4.6
92.5°	20.5	20.2	19.9	19.6	19.3	18.7	18.1	17.5	16.9	16.6	16.3
95°	35.7	35.3	34.8	34.4	34.0	33.2	32.4	31.6	30.8	30.4	30.0
97.5°	51.7	51.2	50.7	50.2	49.7	49.1	48.5	47.8	47.2	46.9	46.6
100°	68.8	68.5	68.2	67.9	67.6	67.1	66.6	66.1	65.6	65.3	65.0
102.5°	89.1	88.8	88.5	88.2	87.9	87.2	86.5	85.8	85.1	84.7	84.5
105°	108.6	108.6	108.6	108.6	108.6	107.7	106.7	105.8	104.9	104.4	104.3
107.5°	130.9	130.6	130.3	130.0	129.7	129.3	128.9	128.5	128.1	127.9	127.8
110°	153.0	152.6	152.2	151.8	151.4	151.2	151.0	150.7	150.5	150.4	150.3

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	175.0	174.5	174.0	173.5	173.0	173.0	173.0	173.0	173.0	173.0	172.9
115°	196.4	196.3	196.2	196.1	196.0	196.2	196.4	196.6	196.8	196.9	196.7
117.5°	218.5	218.5	218.5	218.5	218.5	218.7	218.9	219.2	219.4	219.5	219.4
120°	240.7	240.8	240.9	241.0	241.1	241.6	242.1	242.6	243.1	243.4	243.1
122.5°	262.9	263.2	263.5	263.8	264.1	264.3	264.5	264.7	264.9	265.0	264.8
125°	285.0	285.4	285.8	286.2	286.6	286.8	287.0	287.2	287.4	287.5	287.4
127.5°	306.7	307.3	308.0	308.6	309.2	309.4	309.6	309.8	310.0	310.1	309.8
130°	329.1	329.5	330.0	330.4	330.8	331.1	331.4	331.7	332.0	332.2	331.8
132.5°	350.4	350.9	351.4	351.9	352.4	352.6	352.8	353.0	353.2	353.3	352.9
135°	371.9	372.3	372.8	373.2	373.6	373.7	373.8	373.9	374.0	374.0	373.7
137.5°	392.7	393.2	393.7	394.2	394.7	394.4	394.1	393.8	393.5	393.4	393.1
140°	414.1	414.2	414.3	414.4	414.5	414.4	414.3	414.2	414.1	414.1	413.8
142.5°	433.4	433.5	433.6	433.7	433.8	433.6	433.4	433.2	433.0	432.9	432.6
145°	452.3	452.4	452.5	452.6	452.7	452.4	452.1	451.8	451.5	451.3	451.2
147.5°	470.6	470.6	470.6	470.6	470.6	470.3	470.0	469.7	469.4	469.3	469.1
150°	487.2	487.2	487.2	487.2	487.2	487.0	486.8	486.6	486.4	486.3	486.2
152.5°	502.8	502.6	502.3	502.1	501.9	501.8	501.7	501.6	501.5	501.5	501.3
155°	517.8	517.4	517.0	516.6	516.2	516.1	516.0	515.9	515.8	515.7	515.7
157.5°	530.7	530.3	529.9	529.5	529.1	529.0	528.9	528.8	528.7	528.6	528.7
160°	542.6	542.1	541.6	541.1	540.6	540.6	540.6	540.6	540.6	540.6	540.7
162.5°	553.6	553.1	552.6	552.1	551.6	551.5	551.4	551.3	551.2	551.2	551.3
165°	562.8	562.2	561.6	561.0	560.4	560.4	560.4	560.4	560.4	560.4	560.5
167.5°	570.6	570.0	569.4	568.8	568.2	568.1	568.0	567.9	567.8	567.7	567.9
170°	577.0	576.3	575.6	574.9	574.2	574.2	574.2	574.2	574.2	574.2	574.4
172.5°	581.7	581.1	580.4	579.8	579.2	579.2	579.2	579.2	579.2	579.2	579.4
175°	584.9	584.3	583.6	583.0	582.4	582.4	582.4	582.4	582.4	582.4	582.6
177.5°	586.7	586.1	585.5	584.9	584.3	584.3	584.3	584.3	584.3	584.3	584.5
180°	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7

TEST NUMBER: P1032241

CATALOG NUMBER: S123RDIW-B340D460UB35-4F0-XX-W2A-A1

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°	3.6	2.5	1.5	0.5
92.5°	15.7	15.0	14.4	13.8
95°	29.3	28.6	27.8	27.1
97.5°	46.1	45.6	45.1	44.6
100°	64.4	63.8	63.2	62.6
102.5°	84.2	83.9	83.6	83.3
105°	104.1	103.9	103.7	103.5
107.5°	127.7	127.6	127.5	127.4
110°	150.1	149.9	149.7	149.5



TEST NUMBER: P1032241

CATALOG NUMBER: S123RDIW-B340D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	172.8	172.7	172.6	172.5
115°	196.4	196.1	195.8	195.5
117.5°	219.3	219.2	219.1	219.0
120°	242.5	241.8	241.2	240.6
122.5°	264.4	264.0	263.6	263.2
125°	287.1	286.8	286.5	286.2
127.5°	309.2	308.5	307.9	307.3
130°	331.0	330.1	329.3	328.5
132.5°	352.1	351.2	350.4	349.6
135°	373.1	372.5	371.9	371.3
137.5°	392.6	392.1	391.6	391.1
140°	413.3	412.8	412.3	411.8
142.5°	432.1	431.6	431.1	430.6
145°	451.0	450.8	450.6	450.4
147.5°	468.7	468.2	467.8	467.4
150°	486.0	485.8	485.6	485.4
152.5°	501.0	500.7	500.4	500.1
155°	515.7	515.7	515.7	515.7
157.5°	528.8	528.9	529.0	529.1
160°	540.9	541.1	541.3	541.5
162.5°	551.6	551.9	552.2	552.5
165°	560.8	561.1	561.4	561.7
167.5°	568.3	568.8	569.2	569.6
170°	574.8	575.2	575.6	576.0
172.5°	579.8	580.3	580.7	581.1
175°	583.0	583.5	583.9	584.3
177.5°	584.9	585.3	585.7	586.1
180°	585.7	585.7	585.7	585.7

(END OF REPORT)