

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: P1012541

Luminaire Tested: S123RDIP-B340D805UB40-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1012541
REPORT IS A COMBINATION OF REPORTS P993308 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-B340D805UB40-4F0-XX-W2A-A1
Description: Define 3 Regressed Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865}
{m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

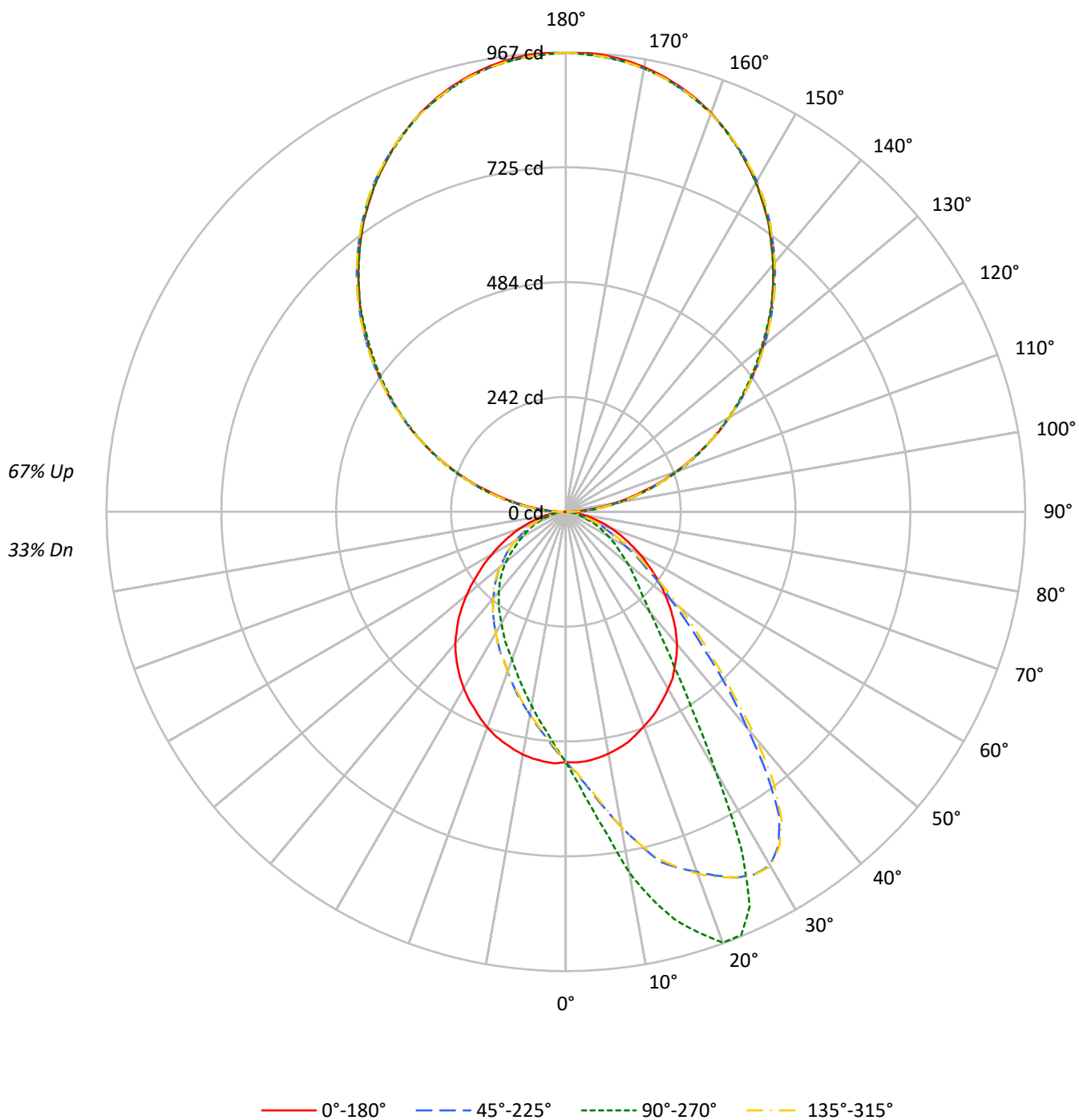
Lumens per Lamp: N/A
Luminaire Lumens: 3992.0 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 34.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	103	103	103	103	93	93	93	93	74	74	74	56	56	56	40	40	40
1	94	90	87	83	85	82	78	76	65	63	61	50	49	48	36	36	35
2	86	79	73	69	77	72	67	63	58	54	51	44	42	40	32	31	30
3	79	70	63	58	71	63	58	53	51	47	43	40	37	35	29	27	26
4	72	62	55	49	65	56	50	45	46	41	37	35	32	30	26	24	23
5	66	55	48	42	60	50	44	39	41	36	32	32	29	26	24	22	20
6	61	50	42	36	55	45	39	34	37	32	28	29	26	23	22	19	18
7	56	45	37	32	51	41	34	30	33	28	25	26	23	20	20	18	16
8	52	41	33	28	47	37	31	26	30	26	22	24	21	18	18	16	14
9	49	37	30	25	44	34	28	23	28	23	20	22	19	16	17	15	13
10	45	34	27	22	41	31	25	21	26	21	18	20	17	15	16	13	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5672	5672	5672	5672
5°	5675	6532	5690	4846
10°	5626	7885	5650	4233
15°	5568	8949	5568	3732
20°	5453	9653	5484	3311
25°	5370	9171	5359	3021
30°	5273	6354	5262	2737
35°	5155	4079	5132	2524
40°	5010	2880	4985	2311
45°	4757	2305	4749	2104
50°	4446	1929	4431	1862
55°	4095	1590	4062	1579
60°	3751	1314	3714	1343
65°	3348	1052	3370	1138
70°	2974	730	3057	921
75°	2522	542	2625	707
80°	2009	358	2177	531
85°	1431	171	1556	330

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 7571 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.7	1.3
10°-20°	162.0	4.1
20°-30°	255.1	6.4
30°-40°	265.3	6.6
40°-50°	226.9	5.7
50°-60°	173.0	4.3
60°-70°	110.9	2.8
70°-80°	53.1	1.3
80°-90°	16.0	0.4
90°-100°	62.2	1.6
100°-110°	188.3	4.7
110°-120°	320.6	8.0
120°-130°	421.7	10.6
130°-140°	474.0	11.9
140°-150°	466.0	11.7
150°-160°	392.4	9.8
160°-170°	261.2	6.5
170°-180°	91.5	2.3
0°-30°	468.8	11.7
0°-40°	734.1	18.4
0°-60°	1134.1	28.4
0°-90°	1314.1	32.9
90°-120°	571.1	14.3
90°-150°	1932.9	48.4
90°-180°	2678.0	67.1
0°-180°	3992.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	527	527	527	527	527	
5°	526	626	528	464	526	50
15°	503	889	503	371	503	141
25°	457	916	456	302	457	211
35°	399	397	397	246	399	250
45°	320	212	320	194	320	247
55°	226	133	224	132	226	203
65°	138	77	139	83	138	138
75°	66	32	69	42	66	72
85°	15	8	16	15	15	17
90°	1	23	1	23	1	4
95°	45	59	45	59	45	49
105°	171	181	171	181	171	183
115°	323	323	323	323	323	319
125°	472	467	472	467	472	421
135°	613	612	613	612	613	472
145°	743	743	743	743	743	464
155°	851	850	851	850	851	392
165°	927	924	927	924	927	261
175°	964	960	964	960	964	92
180°	966	966	966	966	966	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	528.2	531.9	534.6	536.4	540.9	543.6	545.8	549.9	549.9	550.8	552.6
5°	526.4	534.1	539.5	546.7	556.2	560.7	567.0	572.5	580.1	584.2	588.2
7.5°	522.4	533.2	544.5	555.3	569.3	578.3	584.6	598.6	608.5	620.7	630.2
10°	517.0	531.9	546.3	563.0	581.9	595.5	604.9	623.4	642.4	659.5	674.0
12.5°	510.2	528.2	549.0	569.3	595.9	609.4	624.8	647.8	674.9	696.5	715.9
15°	503.0	523.7	547.2	572.0	605.4	624.3	646.4	674.4	704.6	735.8	762.4
17.5°	491.7	517.9	544.0	580.1	619.4	630.7	649.6	687.9	725.4	753.4	785.8
20°	480.4	509.8	542.7	575.2	617.6	643.7	661.3	701.9	742.1	775.9	807.0
22.5°	470.1	500.7	535.0	576.1	615.8	641.9	664.0	706.4	752.9	790.8	829.1
25°	457.4	490.8	528.7	567.5	615.8	635.6	660.0	709.1	758.3	802.1	849.4
27.5°	443.9	477.7	515.2	554.9	599.1	628.4	652.3	705.1	765.1	812.0	860.7
30°	430.4	465.1	501.2	536.8	586.4	614.4	641.9	700.1	768.7	822.4	859.8
32.5°	417.3	446.6	482.2	517.0	566.1	596.8	627.9	695.2	770.0	815.2	833.2
35°	399.2	429.9	458.8	495.8	545.4	575.6	612.2	694.7	764.2	792.1	783.1
37.5°	382.5	408.3	435.8	468.7	519.7	558.9	596.8	683.0	744.8	746.6	695.6
40°	364.0	385.2	408.3	443.0	498.0	536.8	577.9	664.9	709.6	683.0	593.2
42.5°	342.8	361.8	379.8	413.7	473.7	517.0	561.2	642.4	658.6	597.3	503.9
45°	320.3	335.6	352.3	388.0	448.0	490.8	535.0	607.6	591.0	504.3	415.5
47.5°	296.8	309.9	326.2	358.6	420.4	464.2	506.1	558.0	515.6	422.7	348.3
50°	273.4	283.7	299.5	332.9	392.5	432.2	471.0	504.8	445.2	362.7	287.8
52.5°	250.4	258.5	274.7	303.1	360.9	398.8	426.7	439.8	379.4	299.5	249.9
55°	226.0	235.0	245.9	274.7	332.0	360.0	378.5	378.0	315.8	254.0	206.6
57.5°	202.5	210.7	220.1	249.0	295.5	314.4	330.2	322.5	263.4	208.0	177.3
60°	181.8	186.3	196.7	221.0	256.2	272.5	281.5	268.4	215.2	175.5	146.6
62.5°	159.2	163.8	172.3	195.3	217.0	225.6	233.2	216.5	177.7	143.0	125.4
65°	138.5	144.4	149.8	168.3	180.0	190.4	189.5	175.5	138.9	116.4	102.0
67.5°	120.4	122.7	127.2	138.5	143.9	151.6	152.0	136.2	111.9	94.7	86.2
70°	101.0	103.3	106.5	111.9	115.5	117.3	116.4	102.4	84.4	74.0	66.3
72.5°	84.4	83.9	86.2	86.2	89.8	89.3	86.6	75.8	64.1	55.5	51.0
75°	66.3	66.8	67.2	66.3	65.0	63.2	60.9	52.8	45.1	41.1	37.0
77.5°	51.9	51.0	51.4	48.3	46.5	44.7	41.5	37.4	31.1	30.2	28.4
80°	37.0	36.5	36.1	34.7	30.7	28.9	26.6	24.4	23.0	22.1	21.7
82.5°	24.8	24.8	23.9	21.2	18.9	17.6	17.1	16.2	14.9	14.9	14.4
85°	14.9	14.4	13.5	10.8	9.5	9.5	9.5	9.5	8.6	8.6	8.1
87.5°	5.9	5.4	4.1	4.1	3.6	3.6	3.6	3.2	3.2	2.7	2.7
90°	0.8	2.5	4.2	5.9	7.6	8.4	9.5	11.7	13.8	16.0	18.2
92.5°	22.8	23.8	24.8	25.8	26.8	27.3	27.8	28.8	29.9	30.9	31.9
95°	44.8	46.0	47.2	48.3	49.5	50.1	50.8	52.1	53.5	54.8	56.2
97.5°	73.6	74.4	75.3	76.1	77.0	77.4	77.9	78.9	80.0	81.0	82.0
100°	103.3	104.3	105.3	106.3	107.3	107.8	108.2	109.1	109.9	110.8	111.6
102.5°	137.4	137.9	138.4	138.9	139.4	139.7	140.3	141.5	142.6	143.8	145.0
105°	170.8	171.1	171.5	171.8	172.1	172.3	173.1	174.6	176.1	177.7	179.2
107.5°	210.3	210.5	210.7	210.8	211.0	211.1	211.4	212.1	212.8	213.4	214.1
110°	246.7	247.1	247.4	247.8	248.1	248.3	248.5	248.8	249.1	249.5	249.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	284.7	284.9	285.1	285.2	285.4	285.5	285.5	285.5	285.5	285.5	285.5
115°	322.7	323.2	323.7	324.2	324.7	324.9	324.7	324.4	324.1	323.7	323.4
117.5°	361.4	361.6	361.7	361.9	362.0	362.1	361.9	361.6	361.3	360.9	360.6
120°	397.1	398.1	399.1	400.1	401.1	401.6	401.2	400.3	399.5	398.6	397.8
122.5°	434.3	435.0	435.6	436.3	437.0	437.3	437.1	436.8	436.5	436.1	435.8
125°	472.2	472.7	473.2	473.7	474.2	474.5	474.3	474.0	473.7	473.3	473.0
127.5°	507.2	508.2	509.2	510.2	511.2	511.7	511.5	511.2	510.9	510.5	510.2
130°	542.1	543.5	544.8	546.2	547.5	548.2	547.9	547.4	546.9	546.4	545.9
132.5°	577.0	578.4	579.7	581.1	582.4	583.1	582.9	582.6	582.3	581.9	581.6
135°	612.7	613.7	614.7	615.7	616.7	617.2	617.1	617.0	616.8	616.7	616.5
137.5°	645.3	646.1	647.0	647.8	648.7	649.1	649.4	649.9	650.4	650.9	651.4
140°	679.5	680.3	681.2	682.0	682.9	683.3	683.4	683.6	683.7	683.9	684.1
142.5°	710.6	711.4	712.3	713.1	714.0	714.4	714.6	714.9	715.2	715.6	715.9
145°	743.3	743.6	744.0	744.3	744.6	744.8	745.1	745.6	746.1	746.6	747.1
147.5°	771.4	772.1	772.7	773.4	774.1	774.4	774.7	775.2	775.7	776.2	776.7
150°	801.0	801.3	801.7	802.0	802.3	802.5	802.7	803.0	803.3	803.7	804.0
152.5°	825.3	825.8	826.3	826.8	827.3	827.5	827.6	827.8	827.9	828.1	828.3
155°	851.1	851.1	851.1	851.1	851.1	851.1	851.2	851.3	851.5	851.6	851.8
157.5°	873.1	872.9	872.7	872.6	872.4	872.3	872.4	872.6	872.7	872.9	873.1
160°	893.6	893.3	892.9	892.6	892.3	892.1	892.1	892.1	892.1	892.1	892.1
162.5°	911.8	911.3	910.8	910.3	909.8	909.5	909.6	909.8	909.9	910.1	910.3
165°	927.0	926.5	926.0	925.5	925.0	924.7	924.7	924.7	924.7	924.7	924.7
167.5°	939.9	939.2	938.6	937.9	937.2	936.9	937.0	937.1	937.3	937.4	937.6
170°	950.5	949.8	949.2	948.5	947.8	947.5	947.5	947.5	947.5	947.5	947.5
172.5°	958.9	958.2	957.6	956.9	956.2	955.9	955.9	955.9	955.9	955.9	955.9
175°	964.2	963.5	962.9	962.2	961.5	961.2	961.2	961.2	961.2	961.2	961.2
177.5°	967.2	966.5	965.9	965.2	964.5	964.2	964.2	964.2	964.2	964.2	964.2
180°	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	556.2	556.2	560.3	564.3	562.1	563.4	568.4	566.6	570.2	569.8	571.1
5°	598.2	603.1	607.2	615.8	617.1	615.8	624.3	626.6	630.7	625.7	627.9
7.5°	645.5	655.9	665.8	678.5	682.5	683.4	687.9	694.3	699.7	689.7	694.7
10°	691.6	707.3	727.6	738.9	748.8	752.5	756.1	760.1	766.4	772.3	767.8
12.5°	741.2	764.2	783.6	803.9	816.1	814.7	825.1	827.8	832.7	834.1	835.9
15°	781.8	814.3	826.4	856.7	859.4	868.4	880.1	890.5	891.8	889.1	889.1
17.5°	820.6	848.5	870.2	894.6	899.5	907.2	922.1	927.0	928.8	928.4	928.4
20°	852.1	870.6	907.2	927.5	935.6	945.5	955.9	962.2	963.6	965.4	962.7
22.5°	872.9	900.9	930.6	947.3	954.1	957.7	964.5	966.3	964.0	964.5	964.9
25°	889.1	916.7	934.7	939.2	938.8	934.2	929.3	920.7	919.8	916.2	909.0
27.5°	893.6	904.0	901.8	883.3	864.8	863.0	833.2	817.0	798.5	801.2	790.8
30°	869.3	855.8	823.7	776.8	757.4	725.8	692.5	657.7	644.2	629.3	656.8
32.5°	809.7	761.5	704.6	643.7	611.3	583.3	547.6	522.4	507.9	495.8	519.2
35°	720.0	644.6	569.3	511.6	484.9	459.7	426.3	413.7	395.6	397.4	399.7
37.5°	604.5	521.5	464.6	407.8	390.2	379.8	355.5	336.1	329.8	328.0	328.0
40°	496.2	428.1	377.6	332.9	319.4	310.8	291.4	282.4	275.6	273.8	276.1
42.5°	410.5	352.3	313.1	283.3	273.8	263.0	254.9	243.6	242.2	239.1	243.1
45°	344.6	294.1	264.8	243.1	235.0	231.0	221.9	215.2	212.5	212.0	215.2
47.5°	292.3	253.1	227.4	213.8	207.5	203.5	195.8	193.1	190.4	191.3	189.9
50°	245.4	216.1	199.4	187.2	183.2	179.1	174.1	171.4	170.1	170.1	169.6
52.5°	210.7	186.3	175.5	164.2	162.4	160.1	154.7	152.9	150.7	150.2	152.0
55°	180.4	163.8	152.9	146.2	144.4	139.8	137.6	135.3	134.0	133.1	133.5
57.5°	154.3	141.6	134.4	128.6	125.4	123.6	119.5	119.1	118.2	118.2	117.7
60°	132.6	123.6	115.0	111.4	109.2	106.9	106.5	103.8	102.4	103.3	102.9
62.5°	112.3	105.1	100.1	96.1	94.7	92.9	91.6	90.7	89.3	89.8	89.8
65°	93.8	88.0	84.4	80.7	80.3	78.5	78.0	77.1	77.1	76.7	77.6
67.5°	77.1	73.1	69.9	67.7	66.3	66.8	65.0	63.6	63.6	63.2	64.5
70°	61.4	59.1	55.9	53.2	51.4	51.4	49.2	48.7	48.7	48.7	48.3
72.5°	47.4	43.3	42.0	41.1	41.1	41.1	40.1	40.1	39.7	40.1	39.7
75°	35.2	34.7	33.8	33.4	33.4	32.9	32.5	32.5	32.5	32.5	32.5
77.5°	27.5	27.5	26.6	26.2	26.2	26.2	25.7	25.7	25.3	25.3	25.3
80°	20.3	20.3	19.4	19.4	19.4	18.9	18.9	18.9	19.4	18.9	18.9
82.5°	14.0	14.0	13.5	14.0	13.5	13.1	13.1	13.1	12.6	13.1	13.1
85°	8.1	8.1	7.7	7.2	7.7	7.7	7.2	7.7	7.2	7.7	7.2
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°	18.9	19.6	20.3	21.0	21.3	21.5	21.8	22.1	22.5	22.8	22.5
92.5°	32.4	32.9	33.4	33.9	34.2	34.0	33.7	33.3	33.0	32.6	33.0
95°	56.9	57.5	58.2	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2
97.5°	82.8	83.7	84.5	85.4	85.8	85.7	85.5	85.4	85.2	85.0	85.2
100°	112.1	112.6	113.1	113.6	113.9	114.1	114.4	114.7	115.1	115.4	115.1
102.5°	145.5	146.0	146.5	147.0	147.3	147.2	147.0	146.9	146.7	146.5	146.7
105°	179.2	179.2	179.2	179.2	179.2	179.4	179.7	180.0	180.4	180.7	180.4
107.5°	214.6	215.1	215.6	216.1	216.4	216.3	216.1	216.0	215.8	215.6	215.8
110°	250.5	251.1	251.8	252.5	252.8	252.6	252.3	252.0	251.6	251.3	251.6

TEST NUMBER: P1012541

CATALOG NUMBER: S123RDIP-B340D805UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	286.3	287.2	288.0	288.9	289.3	289.3	289.3	289.3	289.3	289.3	289.3
115°	323.6	323.8	323.9	324.1	324.2	324.1	323.9	323.8	323.6	323.4	323.6
117.5°	360.6	360.6	360.6	360.6	360.6	360.4	359.9	359.4	358.9	358.4	358.9
120°	397.6	397.5	397.3	397.2	397.1	396.9	396.6	396.3	395.9	395.6	395.9
122.5°	435.3	434.8	434.3	433.8	433.5	433.2	432.7	432.2	431.7	431.2	431.7
125°	472.3	471.7	471.0	470.3	470.0	469.7	469.0	468.3	467.6	466.9	467.6
127.5°	509.2	508.2	507.1	506.1	505.6	505.3	504.6	503.9	503.3	502.6	503.3
130°	545.2	544.5	543.8	543.1	542.8	542.2	541.0	539.9	538.7	537.5	538.7
132.5°	580.8	579.9	579.1	578.2	577.8	577.4	576.5	575.7	574.8	574.0	574.8
135°	615.8	615.1	614.4	613.7	613.4	613.2	612.9	612.6	612.2	611.9	612.2
137.5°	650.6	649.7	648.9	648.0	647.6	647.3	646.8	646.3	645.8	645.3	645.8
140°	683.9	683.7	683.6	683.4	683.3	682.7	681.5	680.4	679.2	678.0	679.2
142.5°	715.7	715.6	715.4	715.3	715.2	714.8	713.9	713.1	712.2	711.4	712.2
145°	746.9	746.7	746.6	746.4	746.3	746.0	745.3	744.6	744.0	743.3	744.0
147.5°	776.7	776.7	776.7	776.7	776.7	776.2	775.2	774.1	773.1	772.1	773.1
150°	804.0	804.0	804.0	804.0	804.0	803.5	802.5	801.5	800.5	799.5	800.5
152.5°	828.6	829.0	829.3	829.6	829.8	829.4	828.5	827.7	826.8	826.0	826.8
155°	852.5	853.2	853.9	854.6	854.9	854.3	853.1	852.0	850.8	849.6	850.8
157.5°	873.8	874.4	875.1	875.8	876.1	875.6	874.6	873.6	872.6	871.6	872.6
160°	892.9	893.8	894.6	895.5	895.9	895.6	894.9	894.2	893.5	892.8	893.5
162.5°	911.1	912.0	912.8	913.7	914.1	913.5	912.3	911.2	910.0	908.8	910.0
165°	925.7	926.7	927.8	928.8	929.3	928.7	927.5	926.4	925.2	924.0	925.2
167.5°	938.6	939.6	940.7	941.7	942.2	941.7	940.7	939.6	938.6	937.6	938.6
170°	948.7	949.9	951.0	952.2	952.8	952.2	951.0	949.9	948.7	947.5	948.7
172.5°	956.9	957.9	958.9	959.9	960.4	959.8	958.6	957.5	956.3	955.1	956.3
175°	962.2	963.2	964.2	965.2	965.7	965.1	963.9	962.8	961.6	960.4	961.6
177.5°	965.2	966.2	967.3	968.3	968.8	968.2	967.0	965.8	964.6	963.4	964.6
180°	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5

TEST NUMBER: P1012541

CATALOG NUMBER: S123RDIP-B340D805UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	568.8	566.1	564.3	563.0	561.6	565.7	560.3	554.4	550.4	547.6	546.7
5°	628.4	622.5	617.6	613.5	614.4	614.4	604.9	594.6	585.5	580.6	575.2
7.5°	697.4	691.1	681.2	678.9	677.1	665.8	656.4	637.4	626.1	614.9	604.9
10°	766.0	757.9	748.4	745.2	740.7	726.7	712.3	687.9	674.0	653.2	640.1
12.5°	830.0	820.1	810.6	808.4	801.6	789.4	764.6	739.4	715.5	693.4	670.3
15°	883.7	881.0	866.6	857.6	842.7	826.0	820.6	786.3	756.1	733.1	691.6
17.5°	928.8	916.2	902.7	896.8	890.9	871.5	852.1	817.0	784.5	750.6	724.0
20°	964.9	950.9	941.5	932.9	930.2	908.1	877.4	846.3	810.6	772.8	738.0
22.5°	966.7	964.9	958.6	953.6	948.2	933.8	909.4	870.6	832.7	791.2	745.7
25°	929.3	926.6	944.6	940.1	943.7	938.3	925.2	892.7	848.5	799.8	753.8
27.5°	816.5	844.0	872.4	882.4	889.1	908.5	914.9	896.8	861.2	809.3	757.9
30°	663.1	699.7	745.7	770.5	789.4	825.5	872.4	878.3	861.6	820.1	757.0
32.5°	520.6	554.0	591.0	620.3	645.5	719.5	782.7	828.2	836.4	814.7	759.2
35°	419.5	434.0	469.2	497.1	531.4	594.6	669.0	742.5	792.1	794.9	752.5
37.5°	346.0	353.7	384.3	400.1	420.4	475.9	545.4	641.5	718.6	755.2	733.5
40°	286.5	304.0	321.6	330.7	345.1	383.4	450.2	525.5	621.2	688.8	704.2
42.5°	248.6	256.2	267.5	280.1	289.2	322.5	367.2	436.2	522.4	616.7	659.1
45°	219.2	221.9	233.7	241.8	251.3	274.7	306.3	364.0	439.8	532.8	604.9
47.5°	194.9	200.3	206.6	211.6	217.9	235.9	263.0	305.0	371.7	454.7	532.3
50°	173.2	176.4	184.5	186.8	191.3	203.9	224.7	256.7	311.7	378.0	458.3
52.5°	152.9	158.8	161.9	165.1	169.2	179.5	193.1	219.2	260.7	323.0	391.1
55°	137.1	138.9	143.5	146.2	149.3	156.5	168.3	187.7	220.1	269.8	334.3
57.5°	121.8	121.8	126.3	128.6	131.7	137.1	147.5	162.4	185.9	222.8	281.9
60°	105.6	106.0	109.6	112.3	113.2	118.6	127.2	138.9	157.0	184.1	232.3
62.5°	91.1	93.4	95.2	96.1	99.2	102.4	109.6	117.7	130.4	154.3	188.6
65°	78.9	79.4	80.7	81.7	83.0	86.6	92.0	97.4	108.3	125.9	153.8
67.5°	65.0	66.8	68.6	68.6	69.9	71.7	77.1	81.7	89.8	100.1	119.1
70°	48.7	49.6	52.3	53.7	55.5	58.6	61.4	64.1	70.4	78.0	92.5
72.5°	40.6	40.6	41.5	42.0	42.0	44.2	48.3	51.0	54.1	59.5	69.5
75°	32.5	32.5	33.8	33.4	34.3	35.2	35.6	37.4	39.2	43.3	49.2
77.5°	25.7	26.2	26.2	26.6	26.6	27.1	27.5	28.4	29.3	31.6	34.3
80°	18.9	19.4	19.4	19.8	19.8	20.3	20.8	21.2	22.1	23.0	24.4
82.5°	13.1	13.5	13.5	14.0	13.5	14.0	14.4	14.4	14.9	15.8	16.2
85°	7.7	7.7	8.1	7.7	7.7	7.7	8.1	8.1	8.6	9.9	9.9
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°	22.1	21.8	21.5	21.3	21.0	20.3	19.6	18.9	18.2	16.0	13.8
92.5°	33.3	33.7	34.0	34.2	33.9	33.4	32.9	32.4	31.9	30.9	29.9
95°	59.2	59.2	59.2	59.2	58.9	58.2	57.5	56.9	56.2	54.8	53.5
97.5°	85.4	85.5	85.7	85.8	85.4	84.5	83.7	82.8	82.0	81.0	80.0
100°	114.7	114.4	114.1	113.9	113.6	113.1	112.6	112.1	111.6	110.8	109.9
102.5°	146.9	147.0	147.2	147.3	147.0	146.5	146.0	145.5	145.0	143.8	142.6
105°	180.0	179.7	179.4	179.2	179.2	179.2	179.2	179.2	179.2	177.7	176.1
107.5°	216.0	216.1	216.3	216.4	216.1	215.6	215.1	214.6	214.1	213.4	212.8
110°	252.0	252.3	252.6	252.8	252.5	251.8	251.1	250.5	249.8	249.5	249.1

TEST NUMBER: P1012541

CATALOG NUMBER: S123RDIP-B340D805UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	289.3	289.3	289.3	289.3	288.9	288.0	287.2	286.3	285.5	285.5	285.5
115°	323.8	323.9	324.1	324.2	324.1	323.9	323.8	323.6	323.4	323.7	324.1
117.5°	359.4	359.9	360.4	360.6	360.6	360.6	360.6	360.6	360.6	360.9	361.3
120°	396.3	396.6	396.9	397.1	397.2	397.3	397.5	397.6	397.8	398.6	399.5
122.5°	432.2	432.7	433.2	433.5	433.8	434.3	434.8	435.3	435.8	436.1	436.5
125°	468.3	469.0	469.7	470.0	470.3	471.0	471.7	472.3	473.0	473.3	473.7
127.5°	503.9	504.6	505.3	505.6	506.1	507.1	508.2	509.2	510.2	510.5	510.9
130°	539.9	541.0	542.2	542.8	543.1	543.8	544.5	545.2	545.9	546.4	546.9
132.5°	575.7	576.5	577.4	577.8	578.2	579.1	579.9	580.8	581.6	581.9	582.3
135°	612.6	612.9	613.2	613.4	613.7	614.4	615.1	615.8	616.5	616.7	616.8
137.5°	646.3	646.8	647.3	647.6	648.0	648.9	649.7	650.6	651.4	650.9	650.4
140°	680.4	681.5	682.7	683.3	683.4	683.6	683.7	683.9	684.1	683.9	683.7
142.5°	713.1	713.9	714.8	715.2	715.3	715.4	715.6	715.7	715.9	715.6	715.2
145°	744.6	745.3	746.0	746.3	746.4	746.6	746.7	746.9	747.1	746.6	746.1
147.5°	774.1	775.2	776.2	776.7	776.7	776.7	776.7	776.7	776.7	776.2	775.7
150°	801.5	802.5	803.5	804.0	804.0	804.0	804.0	804.0	804.0	803.7	803.3
152.5°	827.7	828.5	829.4	829.8	829.6	829.3	829.0	828.6	828.3	828.1	827.9
155°	852.0	853.1	854.3	854.9	854.6	853.9	853.2	852.5	851.8	851.6	851.5
157.5°	873.6	874.6	875.6	876.1	875.8	875.1	874.4	873.8	873.1	872.9	872.7
160°	894.2	894.9	895.6	895.9	895.5	894.6	893.8	892.9	892.1	892.1	892.1
162.5°	911.2	912.3	913.5	914.1	913.7	912.8	912.0	911.1	910.3	910.1	909.9
165°	926.4	927.5	928.7	929.3	928.8	927.8	926.7	925.7	924.7	924.7	924.7
167.5°	939.6	940.7	941.7	942.2	941.7	940.7	939.6	938.6	937.6	937.4	937.3
170°	949.9	951.0	952.2	952.8	952.2	951.0	949.9	948.7	947.5	947.5	947.5
172.5°	957.5	958.6	959.8	960.4	959.9	958.9	957.9	956.9	955.9	955.9	955.9
175°	962.8	963.9	965.1	965.7	965.2	964.2	963.2	962.2	961.2	961.2	961.2
177.5°	965.8	967.0	968.2	968.8	968.3	967.3	966.2	965.2	964.2	964.2	964.2
180°	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5

TEST NUMBER: P1012541

CATALOG NUMBER: S123RDIP-B340D805UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	545.4	543.1	540.9	540.9	535.9	531.4	529.2	530.1	527.3	523.7	520.1
5°	569.3	560.3	558.5	553.5	546.7	537.3	532.3	527.8	522.4	515.2	508.4
7.5°	591.4	579.7	573.4	568.4	555.3	542.2	531.4	524.2	514.7	503.9	495.8
10°	620.3	598.6	591.9	580.6	562.1	543.6	531.0	519.2	506.1	493.5	482.7
12.5°	643.3	618.5	605.8	594.6	570.7	547.2	526.0	511.6	495.8	481.8	467.8
15°	669.4	641.5	619.4	605.8	575.6	547.2	523.3	503.0	485.4	468.3	456.1
17.5°	682.1	646.9	637.0	617.6	573.8	545.4	516.1	494.4	473.2	453.4	438.9
20°	701.9	660.9	636.1	623.0	584.2	542.2	507.9	483.1	461.0	439.8	424.5
22.5°	703.3	658.6	642.4	617.6	569.8	532.8	500.7	470.5	444.8	424.9	409.2
25°	700.1	654.6	632.0	612.2	572.5	527.3	486.3	456.5	431.3	408.3	389.8
27.5°	698.8	642.8	621.6	601.8	557.1	511.6	477.7	443.9	415.0	394.7	375.8
30°	697.0	630.2	604.5	581.5	540.4	499.4	458.8	429.5	401.9	376.2	357.3
32.5°	685.2	613.1	586.9	562.5	518.3	477.3	445.2	414.1	384.3	360.4	343.3
35°	681.6	597.3	563.0	536.8	493.5	457.0	423.1	397.4	369.5	345.5	325.2
37.5°	671.3	581.0	544.0	510.7	465.5	430.8	406.0	380.3	353.2	327.5	311.3
40°	653.2	562.1	520.1	485.8	439.4	404.2	381.2	362.2	335.6	312.6	292.8
42.5°	626.6	542.7	497.6	461.5	410.1	377.1	358.2	340.1	317.6	293.7	277.4
45°	595.9	517.0	475.0	434.9	382.5	350.5	330.7	319.8	299.1	278.8	259.8
47.5°	554.0	490.4	448.9	407.4	354.1	323.0	307.2	296.4	281.9	259.8	244.5
50°	501.2	456.1	416.8	379.8	326.2	296.4	280.6	272.5	260.3	244.5	229.6
52.5°	442.5	416.4	383.9	349.6	297.7	269.8	255.3	249.0	240.0	225.1	212.5
55°	383.4	372.2	350.1	316.2	268.0	245.0	232.3	224.2	217.4	206.6	195.8
57.5°	330.7	325.2	309.9	283.7	243.1	219.2	208.4	203.0	197.6	189.5	178.6
60°	276.1	281.9	266.2	253.1	216.1	195.3	185.9	180.0	177.3	170.1	163.3
62.5°	228.7	234.1	225.1	215.2	189.0	170.5	164.7	159.2	157.4	151.1	144.4
65°	185.9	192.6	185.9	180.4	164.7	149.3	142.1	139.4	137.6	133.5	128.1
67.5°	148.0	154.7	151.6	144.8	139.8	127.2	123.2	120.4	119.5	116.4	111.9
70°	111.4	120.9	121.8	117.7	113.2	107.4	104.7	103.8	101.5	98.8	96.1
72.5°	80.3	91.1	91.6	91.6	88.9	88.9	86.2	84.8	84.8	82.1	78.9
75°	59.1	66.3	67.2	68.1	69.5	70.8	69.0	69.0	68.6	65.9	64.5
77.5°	39.2	45.6	47.8	51.0	52.8	52.8	53.7	54.6	53.7	52.3	51.4
80°	25.3	29.8	32.5	34.3	37.0	38.3	39.7	40.1	39.2	38.8	37.4
82.5°	16.7	18.0	19.4	21.7	24.8	27.1	27.1	26.6	27.5	27.1	26.6
85°	9.5	10.4	10.8	11.3	13.1	15.3	15.8	16.2	17.1	16.2	15.3
87.5°	3.6	4.1	4.1	4.1	5.0	5.4	6.8	8.6	8.1	7.2	7.2
90°	11.7	9.5	8.4	7.6	5.9	4.2	2.5	0.8	2.5	4.2	5.9
92.5°	28.8	27.8	27.3	26.8	25.8	24.8	23.8	22.8	23.8	24.8	25.8
95°	52.1	50.8	50.1	49.5	48.3	47.2	46.0	44.8	46.0	47.2	48.3
97.5°	78.9	77.9	77.4	77.0	76.1	75.3	74.4	73.6	74.4	75.3	76.1
100°	109.1	108.2	107.8	107.3	106.3	105.3	104.3	103.3	104.3	105.3	106.3
102.5°	141.5	140.3	139.7	139.4	138.9	138.4	137.9	137.4	137.9	138.4	138.9
105°	174.6	173.1	172.3	172.1	171.8	171.5	171.1	170.8	171.1	171.5	171.8
107.5°	212.1	211.4	211.1	211.0	210.8	210.7	210.5	210.3	210.5	210.7	210.8
110°	248.8	248.5	248.3	248.1	247.8	247.4	247.1	246.7	247.1	247.4	247.8

TEST NUMBER: P1012541

CATALOG NUMBER: S123RDIP-B340D805UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	285.5	285.5	285.5	285.4	285.2	285.1	284.9	284.7	284.9	285.1	285.2
115°	324.4	324.7	324.9	324.7	324.2	323.7	323.2	322.7	323.2	323.7	324.2
117.5°	361.6	361.9	362.1	362.0	361.9	361.7	361.6	361.4	361.6	361.7	361.9
120°	400.3	401.2	401.6	401.1	400.1	399.1	398.1	397.1	398.1	399.1	400.1
122.5°	436.8	437.1	437.3	437.0	436.3	435.6	435.0	434.3	435.0	435.6	436.3
125°	474.0	474.3	474.5	474.2	473.7	473.2	472.7	472.2	472.7	473.2	473.7
127.5°	511.2	511.5	511.7	511.2	510.2	509.2	508.2	507.2	508.2	509.2	510.2
130°	547.4	547.9	548.2	547.5	546.2	544.8	543.5	542.1	543.5	544.8	546.2
132.5°	582.6	582.9	583.1	582.4	581.1	579.7	578.4	577.0	578.4	579.7	581.1
135°	617.0	617.1	617.2	616.7	615.7	614.7	613.7	612.7	613.7	614.7	615.7
137.5°	649.9	649.4	649.1	648.7	647.8	647.0	646.1	645.3	646.1	647.0	647.8
140°	683.6	683.4	683.3	682.9	682.0	681.2	680.3	679.5	680.3	681.2	682.0
142.5°	714.9	714.6	714.4	714.0	713.1	712.3	711.4	710.6	711.4	712.3	713.1
145°	745.6	745.1	744.8	744.6	744.3	744.0	743.6	743.3	743.6	744.0	744.3
147.5°	775.2	774.7	774.4	774.1	773.4	772.7	772.1	771.4	772.1	772.7	773.4
150°	803.0	802.7	802.5	802.3	802.0	801.7	801.3	801.0	801.3	801.7	802.0
152.5°	827.8	827.6	827.5	827.3	826.8	826.3	825.8	825.3	825.8	826.3	826.8
155°	851.3	851.2	851.1	851.1	851.1	851.1	851.1	851.1	851.1	851.1	851.1
157.5°	872.6	872.4	872.3	872.4	872.6	872.7	872.9	873.1	872.9	872.7	872.6
160°	892.1	892.1	892.1	892.3	892.6	892.9	893.3	893.6	893.3	892.9	892.6
162.5°	909.8	909.6	909.5	909.8	910.3	910.8	911.3	911.8	911.3	910.8	910.3
165°	924.7	924.7	924.7	925.0	925.5	926.0	926.5	927.0	926.5	926.0	925.5
167.5°	937.1	937.0	936.9	937.2	937.9	938.6	939.2	939.9	939.2	938.6	937.9
170°	947.5	947.5	947.5	947.8	948.5	949.2	949.8	950.5	949.8	949.2	948.5
172.5°	955.9	955.9	955.9	956.2	956.9	957.6	958.2	958.9	958.2	957.6	956.9
175°	961.2	961.2	961.2	961.5	962.2	962.9	963.5	964.2	963.5	962.9	962.2
177.5°	964.2	964.2	964.2	964.5	965.2	965.9	966.5	967.2	966.5	965.9	965.2
180°	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5

TEST NUMBER: P1012541

CATALOG NUMBER: S123RDIP-B340D805UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	520.1	517.9	517.0	514.7	509.3	505.7	501.6	498.9	499.4	497.1	498.5
5°	503.9	503.4	500.3	495.8	488.1	484.0	476.8	473.2	471.4	471.9	469.2
7.5°	490.4	486.3	484.0	476.8	469.6	461.0	455.2	452.0	449.3	446.6	444.8
10°	475.0	471.4	467.8	460.1	450.2	442.1	434.0	430.8	426.7	424.9	423.6
12.5°	458.8	456.5	452.0	443.0	431.7	424.0	414.6	412.8	407.4	403.7	402.8
15°	443.9	442.5	434.4	424.0	412.8	405.1	397.0	391.6	382.5	384.3	381.2
17.5°	428.1	422.2	417.3	403.3	397.9	386.1	376.7	374.0	367.7	363.6	359.5
20°	410.5	406.9	400.6	391.6	378.5	364.9	357.7	353.2	349.6	343.3	341.5
22.5°	393.8	389.3	383.9	372.2	360.9	349.6	339.7	335.6	331.1	326.6	323.9
25°	380.7	374.0	368.1	353.7	342.4	332.9	326.6	319.8	313.5	310.8	309.9
27.5°	360.4	356.4	350.5	337.0	326.6	316.2	310.4	305.9	299.1	295.9	293.2
30°	347.4	339.2	332.5	321.6	311.3	300.0	294.6	289.2	285.1	281.0	277.9
32.5°	329.8	323.4	318.0	307.2	296.8	286.5	280.6	272.5	270.2	267.1	263.4
35°	312.6	308.6	302.7	291.0	279.7	272.5	266.2	258.5	255.8	253.5	250.4
37.5°	296.4	290.5	286.5	275.2	265.3	256.7	251.7	245.4	243.6	240.9	238.6
40°	282.4	276.5	272.5	261.2	250.8	241.8	238.6	232.3	229.6	226.5	225.1
42.5°	266.6	261.6	256.2	248.1	237.3	228.3	221.9	218.3	214.7	213.4	210.7
45°	249.9	245.4	241.3	232.3	221.0	214.7	209.3	204.4	201.6	199.4	197.6
47.5°	235.5	231.4	226.0	216.1	207.1	201.2	195.8	190.8	188.1	185.4	183.2
50°	218.8	216.5	210.7	201.2	192.6	185.9	180.9	176.4	174.6	171.4	167.8
52.5°	203.9	199.8	194.9	187.2	179.5	171.4	164.7	161.9	158.8	157.0	153.8
55°	186.3	183.6	178.2	171.4	163.3	156.5	151.6	148.0	143.9	142.1	138.0
57.5°	171.4	166.5	163.8	155.2	147.5	140.7	137.1	133.5	129.0	126.3	124.5
60°	155.2	150.7	146.6	139.4	134.0	126.8	121.3	118.2	115.0	111.4	109.6
62.5°	139.4	135.8	130.8	125.0	118.2	112.3	108.3	103.8	102.0	98.3	97.0
65°	122.3	119.5	115.5	108.7	103.3	98.3	94.3	90.7	88.9	87.5	86.6
67.5°	106.9	103.3	100.6	94.7	88.9	84.8	82.6	80.3	78.0	76.7	75.3
70°	91.1	88.4	85.7	80.3	76.2	72.6	70.8	69.0	67.7	66.3	65.0
72.5°	74.9	73.5	70.8	67.2	64.1	61.4	60.0	57.7	56.4	54.1	53.2
75°	61.8	59.5	58.2	55.0	52.3	50.1	48.3	45.6	43.8	42.9	42.4
77.5°	48.7	47.8	46.0	43.3	42.0	39.7	37.0	36.1	35.2	35.2	34.7
80°	36.5	35.2	33.8	31.6	30.2	28.4	28.4	28.4	28.0	28.4	28.0
82.5°	24.8	23.9	23.0	21.7	21.2	21.2	21.7	21.7	21.7	21.7	21.7
85°	14.4	14.4	14.4	14.9	14.4	14.4	14.9	15.3	14.9	14.9	14.4
87.5°	6.8	6.8	7.2	7.2	7.7	7.7	7.7	7.7	7.7	7.7	8.1
90°	7.6	8.4	9.5	11.7	13.8	16.0	18.2	18.9	19.6	20.3	21.0
92.5°	26.8	27.3	27.8	28.8	29.9	30.9	31.9	32.4	32.9	33.4	33.9
95°	49.5	50.1	50.8	52.1	53.5	54.8	56.2	56.9	57.5	58.2	58.9
97.5°	77.0	77.4	77.9	78.9	80.0	81.0	82.0	82.8	83.7	84.5	85.4
100°	107.3	107.8	108.2	109.1	109.9	110.8	111.6	112.1	112.6	113.1	113.6
102.5°	139.4	139.7	140.3	141.5	142.6	143.8	145.0	145.5	146.0	146.5	147.0
105°	172.1	172.3	173.1	174.6	176.1	177.7	179.2	179.2	179.2	179.2	179.2
107.5°	211.0	211.1	211.4	212.1	212.8	213.4	214.1	214.6	215.1	215.6	216.1
110°	248.1	248.3	248.5	248.8	249.1	249.5	249.8	250.5	251.1	251.8	252.5

TEST NUMBER: P1012541

CATALOG NUMBER: S123RDIP-B340D805UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	285.4	285.5	285.5	285.5	285.5	285.5	285.5	286.3	287.2	288.0	288.9
115°	324.7	324.9	324.7	324.4	324.1	323.7	323.4	323.6	323.8	323.9	324.1
117.5°	362.0	362.1	361.9	361.6	361.3	360.9	360.6	360.6	360.6	360.6	360.6
120°	401.1	401.6	401.2	400.3	399.5	398.6	397.8	397.6	397.5	397.3	397.2
122.5°	437.0	437.3	437.1	436.8	436.5	436.1	435.8	435.3	434.8	434.3	433.8
125°	474.2	474.5	474.3	474.0	473.7	473.3	473.0	472.3	471.7	471.0	470.3
127.5°	511.2	511.7	511.5	511.2	510.9	510.5	510.2	509.2	508.2	507.1	506.1
130°	547.5	548.2	547.9	547.4	546.9	546.4	545.9	545.2	544.5	543.8	543.1
132.5°	582.4	583.1	582.9	582.6	582.3	581.9	581.6	580.8	579.9	579.1	578.2
135°	616.7	617.2	617.1	617.0	616.8	616.7	616.5	615.8	615.1	614.4	613.7
137.5°	648.7	649.1	649.4	649.9	650.4	650.9	651.4	650.6	649.7	648.9	648.0
140°	682.9	683.3	683.4	683.6	683.7	683.9	684.1	683.9	683.7	683.6	683.4
142.5°	714.0	714.4	714.6	714.9	715.2	715.6	715.9	715.7	715.6	715.4	715.3
145°	744.6	744.8	745.1	745.6	746.1	746.6	747.1	746.9	746.7	746.6	746.4
147.5°	774.1	774.4	774.7	775.2	775.7	776.2	776.7	776.7	776.7	776.7	776.7
150°	802.3	802.5	802.7	803.0	803.3	803.7	804.0	804.0	804.0	804.0	804.0
152.5°	827.3	827.5	827.6	827.8	827.9	828.1	828.3	828.6	829.0	829.3	829.6
155°	851.1	851.1	851.2	851.3	851.5	851.6	851.8	852.5	853.2	853.9	854.6
157.5°	872.4	872.3	872.4	872.6	872.7	872.9	873.1	873.8	874.4	875.1	875.8
160°	892.3	892.1	892.1	892.1	892.1	892.1	892.1	892.9	893.8	894.6	895.5
162.5°	909.8	909.5	909.6	909.8	909.9	910.1	910.3	911.1	912.0	912.8	913.7
165°	925.0	924.7	924.7	924.7	924.7	924.7	924.7	925.7	926.7	927.8	928.8
167.5°	937.2	936.9	937.0	937.1	937.3	937.4	937.6	938.6	939.6	940.7	941.7
170°	947.8	947.5	947.5	947.5	947.5	947.5	947.5	948.7	949.9	951.0	952.2
172.5°	956.2	955.9	955.9	955.9	955.9	955.9	955.9	956.9	957.9	958.9	959.9
175°	961.5	961.2	961.2	961.2	961.2	961.2	961.2	962.2	963.2	964.2	965.2
177.5°	964.5	964.2	964.2	964.2	964.2	964.2	964.2	965.2	966.2	967.3	968.3
180°	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5

TEST NUMBER: P1012541

CATALOG NUMBER: S123RDIP-B340D805UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	498.0	498.5	497.1	494.4	494.0	494.9	497.6	496.7	494.4	498.5	494.9
5°	470.5	468.3	467.3	468.3	465.5	464.2	466.9	465.5	466.9	467.3	468.7
7.5°	443.9	444.3	441.6	442.1	438.5	439.4	439.4	439.4	440.7	441.6	443.4
10°	420.9	421.8	418.6	419.1	416.4	414.6	415.9	418.6	418.6	418.6	419.5
12.5°	402.4	398.3	396.1	395.6	392.5	391.6	394.3	395.2	397.4	397.4	398.8
15°	379.4	378.5	376.7	376.7	369.0	370.8	371.7	374.9	379.4	375.8	376.7
17.5°	358.6	356.4	354.1	353.2	352.3	349.6	353.2	352.8	355.5	355.9	357.3
20°	340.1	338.3	333.8	334.3	335.2	331.1	333.4	333.4	336.1	338.8	341.9
22.5°	322.1	320.3	318.0	318.9	316.2	315.3	315.3	317.6	320.7	323.0	322.5
25°	308.1	305.0	303.6	302.2	300.9	301.8	300.4	302.7	305.0	306.3	305.0
27.5°	292.3	291.0	288.3	286.9	284.7	285.6	286.5	288.3	289.6	289.6	291.0
30°	277.0	275.2	274.3	272.9	272.9	271.1	271.6	273.4	274.7	276.1	277.9
32.5°	262.1	260.7	259.4	259.4	258.5	258.0	257.6	260.3	260.3	263.0	263.0
35°	249.9	247.7	247.7	245.4	246.3	245.9	245.0	246.8	247.2	249.0	248.6
37.5°	236.4	236.4	235.5	233.2	231.4	231.9	234.1	234.1	235.5	235.0	236.4
40°	222.8	221.9	221.9	220.6	220.1	219.7	220.1	220.6	222.8	222.4	222.8
42.5°	209.3	209.8	207.5	207.5	207.5	206.2	206.6	207.1	208.0	208.9	210.2
45°	196.2	195.3	194.9	194.0	193.1	193.5	193.1	194.9	194.4	195.3	196.7
47.5°	182.2	180.9	180.4	178.6	178.6	179.5	179.1	180.4	180.9	182.2	181.3
50°	168.7	166.9	165.6	166.0	163.3	164.2	164.2	165.6	166.9	167.4	168.3
52.5°	152.9	152.5	152.0	149.8	149.3	148.9	149.3	149.8	151.6	152.9	153.4
55°	137.6	137.1	134.4	133.5	132.2	132.2	133.1	133.5	136.7	137.1	138.9
57.5°	123.6	122.3	119.1	118.6	118.6	118.6	117.3	119.1	120.0	122.3	122.3
60°	108.3	108.3	105.6	105.6	106.0	105.6	105.6	106.0	106.0	107.8	108.7
62.5°	96.1	95.6	95.6	94.7	94.3	94.7	94.3	94.3	94.7	96.1	97.4
65°	85.3	84.8	84.4	83.9	83.0	83.0	83.5	84.4	84.4	85.3	85.7
67.5°	74.9	74.9	74.0	74.0	73.5	73.1	73.5	73.1	74.9	74.9	75.3
70°	64.5	64.1	62.7	62.3	60.9	61.4	61.4	62.7	63.2	64.1	65.0
72.5°	51.9	51.9	51.0	50.1	50.5	49.6	49.6	50.1	50.1	51.4	51.9
75°	42.9	42.0	41.5	42.0	41.5	42.4	41.5	41.5	42.4	42.4	42.4
77.5°	35.2	35.2	34.7	34.7	35.2	34.7	35.2	35.2	35.2	34.7	35.2
80°	28.9	28.4	28.4	28.4	28.0	28.0	28.0	28.0	28.0	28.0	28.0
82.5°	21.7	21.7	21.2	21.7	21.7	21.2	21.7	21.2	21.2	21.7	21.7
85°	14.4	15.3	14.4	14.4	14.9	14.9	15.3	14.9	15.3	14.4	14.9
87.5°	7.7	8.1	8.1	7.7	7.7	8.1	8.1	8.1	8.6	7.7	8.1
90°	21.3	21.5	21.8	22.1	22.5	22.8	22.5	22.1	21.8	21.5	21.3
92.5°	34.2	34.0	33.7	33.3	33.0	32.6	33.0	33.3	33.7	34.0	34.2
95°	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
97.5°	85.8	85.7	85.5	85.4	85.2	85.0	85.2	85.4	85.5	85.7	85.8
100°	113.9	114.1	114.4	114.7	115.1	115.4	115.1	114.7	114.4	114.1	113.9
102.5°	147.3	147.2	147.0	146.9	146.7	146.5	146.7	146.9	147.0	147.2	147.3
105°	179.2	179.4	179.7	180.0	180.4	180.7	180.4	180.0	179.7	179.4	179.2
107.5°	216.4	216.3	216.1	216.0	215.8	215.6	215.8	216.0	216.1	216.3	216.4
110°	252.8	252.6	252.3	252.0	251.6	251.3	251.6	252.0	252.3	252.6	252.8

TEST NUMBER: P1012541

CATALOG NUMBER: S123RDIP-B340D805UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3
115°	324.2	324.1	323.9	323.8	323.6	323.4	323.6	323.8	323.9	324.1	324.2
117.5°	360.6	360.4	359.9	359.4	358.9	358.4	358.9	359.4	359.9	360.4	360.6
120°	397.1	396.9	396.6	396.3	395.9	395.6	395.9	396.3	396.6	396.9	397.1
122.5°	433.5	433.2	432.7	432.2	431.7	431.2	431.7	432.2	432.7	433.2	433.5
125°	470.0	469.7	469.0	468.3	467.6	466.9	467.6	468.3	469.0	469.7	470.0
127.5°	505.6	505.3	504.6	503.9	503.3	502.6	503.3	503.9	504.6	505.3	505.6
130°	542.8	542.2	541.0	539.9	538.7	537.5	538.7	539.9	541.0	542.2	542.8
132.5°	577.8	577.4	576.5	575.7	574.8	574.0	574.8	575.7	576.5	577.4	577.8
135°	613.4	613.2	612.9	612.6	612.2	611.9	612.2	612.6	612.9	613.2	613.4
137.5°	647.6	647.3	646.8	646.3	645.8	645.3	645.8	646.3	646.8	647.3	647.6
140°	683.3	682.7	681.5	680.4	679.2	678.0	679.2	680.4	681.5	682.7	683.3
142.5°	715.2	714.8	713.9	713.1	712.2	711.4	712.2	713.1	713.9	714.8	715.2
145°	746.3	746.0	745.3	744.6	744.0	743.3	744.0	744.6	745.3	746.0	746.3
147.5°	776.7	776.2	775.2	774.1	773.1	772.1	773.1	774.1	775.2	776.2	776.7
150°	804.0	803.5	802.5	801.5	800.5	799.5	800.5	801.5	802.5	803.5	804.0
152.5°	829.8	829.4	828.5	827.7	826.8	826.0	826.8	827.7	828.5	829.4	829.8
155°	854.9	854.3	853.1	852.0	850.8	849.6	850.8	852.0	853.1	854.3	854.9
157.5°	876.1	875.6	874.6	873.6	872.6	871.6	872.6	873.6	874.6	875.6	876.1
160°	895.9	895.6	894.9	894.2	893.5	892.8	893.5	894.2	894.9	895.6	895.9
162.5°	914.1	913.5	912.3	911.2	910.0	908.8	910.0	911.2	912.3	913.5	914.1
165°	929.3	928.7	927.5	926.4	925.2	924.0	925.2	926.4	927.5	928.7	929.3
167.5°	942.2	941.7	940.7	939.6	938.6	937.6	938.6	939.6	940.7	941.7	942.2
170°	952.8	952.2	951.0	949.9	948.7	947.5	948.7	949.9	951.0	952.2	952.8
172.5°	960.4	959.8	958.6	957.5	956.3	955.1	956.3	957.5	958.6	959.8	960.4
175°	965.7	965.1	963.9	962.8	961.6	960.4	961.6	962.8	963.9	965.1	965.7
177.5°	968.8	968.2	967.0	965.8	964.6	963.4	964.6	965.8	967.0	968.2	968.8
180°	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5

TEST NUMBER: P1012541

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	498.5	500.3	498.5	494.9	498.5	500.7	503.0	506.6	508.4	508.4	511.1
5°	470.1	473.7	472.3	471.4	475.0	477.3	480.9	485.4	490.4	493.5	497.1
7.5°	444.8	447.0	449.3	449.3	452.9	457.9	463.3	468.7	475.0	479.5	482.2
10°	422.7	424.5	425.8	427.7	433.1	438.5	445.7	452.5	457.9	462.8	467.3
12.5°	401.5	404.2	407.4	408.7	412.8	419.5	426.3	434.4	443.0	448.0	452.5
15°	381.2	382.5	386.1	390.2	393.8	401.0	409.6	418.2	425.4	433.1	437.1
17.5°	360.4	360.9	370.4	368.1	379.8	386.6	391.1	399.2	411.0	417.3	423.6
20°	340.1	344.6	348.7	351.0	357.3	364.9	378.0	384.3	393.8	399.7	405.1
22.5°	324.3	331.1	331.1	336.5	339.7	346.9	356.4	368.6	378.9	383.0	390.7
25°	310.4	313.5	318.9	320.7	326.6	332.9	339.2	352.3	363.6	369.0	374.4
27.5°	292.3	296.4	303.6	303.6	311.3	318.0	325.7	334.3	345.5	353.2	359.1
30°	278.3	282.4	285.6	290.5	293.7	300.0	313.5	319.8	329.8	336.5	343.7
32.5°	265.3	268.4	271.1	276.5	280.1	287.4	294.6	305.9	314.4	320.7	328.4
35°	250.8	254.0	257.6	261.6	267.1	273.8	280.6	290.1	298.6	304.5	310.8
37.5°	237.3	239.5	245.0	247.7	252.2	258.5	267.1	277.0	284.7	289.2	295.5
40°	224.2	226.0	230.1	235.0	238.2	243.1	252.2	260.7	270.2	275.6	280.6
42.5°	210.2	212.5	216.1	221.0	226.0	231.4	236.4	246.3	254.9	259.4	264.8
45°	198.0	199.4	202.1	207.1	212.0	216.1	223.8	232.8	240.9	244.5	250.4
47.5°	183.6	185.0	189.0	191.3	196.7	202.1	209.8	218.8	226.0	229.6	235.0
50°	168.7	170.1	172.8	177.7	181.3	187.2	194.0	201.6	210.7	215.6	218.8
52.5°	154.3	157.0	159.2	163.3	167.8	173.7	180.0	187.2	194.9	199.8	203.5
55°	139.8	142.1	144.8	147.1	152.5	157.9	165.1	171.9	178.6	183.2	187.2
57.5°	123.6	126.8	129.5	134.0	138.0	142.6	150.7	156.1	164.2	167.4	171.0
60°	109.6	112.8	115.0	118.6	122.3	128.1	133.5	140.3	147.1	151.1	155.6
62.5°	97.9	99.2	100.6	104.2	107.8	113.2	118.6	125.4	132.6	134.9	138.5
65°	86.2	87.5	89.8	92.9	95.6	98.8	104.7	110.1	116.8	120.4	121.8
67.5°	76.2	77.6	78.0	80.3	82.6	86.2	89.3	94.7	101.0	103.3	106.0
70°	65.0	67.2	67.7	69.5	70.4	72.6	76.2	80.3	85.3	89.3	91.6
72.5°	51.9	55.0	55.9	58.6	60.0	62.3	65.0	68.1	71.3	73.1	74.9
75°	42.4	43.3	43.8	46.0	48.3	51.4	52.8	54.6	57.3	59.5	61.4
77.5°	35.2	35.6	36.1	36.1	36.5	38.3	41.1	43.3	45.1	46.0	47.4
80°	28.4	28.0	28.0	28.4	28.4	28.4	29.3	32.5	33.4	35.6	35.2
82.5°	22.1	21.2	21.7	21.2	21.2	21.2	21.2	21.7	21.7	23.0	23.9
85°	14.4	14.9	14.4	14.4	14.0	14.4	14.0	14.0	13.5	13.5	13.1
87.5°	7.7	8.1	7.7	7.7	7.2	7.7	7.2	7.2	6.8	6.8	5.9
90°	21.0	20.3	19.6	18.9	18.2	16.0	13.8	11.7	9.5	8.4	7.6
92.5°	33.9	33.4	32.9	32.4	31.9	30.9	29.9	28.8	27.8	27.3	26.8
95°	58.9	58.2	57.5	56.9	56.2	54.8	53.5	52.1	50.8	50.1	49.5
97.5°	85.4	84.5	83.7	82.8	82.0	81.0	80.0	78.9	77.9	77.4	77.0
100°	113.6	113.1	112.6	112.1	111.6	110.8	109.9	109.1	108.2	107.8	107.3
102.5°	147.0	146.5	146.0	145.5	145.0	143.8	142.6	141.5	140.3	139.7	139.4
105°	179.2	179.2	179.2	179.2	179.2	177.7	176.1	174.6	173.1	172.3	172.1
107.5°	216.1	215.6	215.1	214.6	214.1	213.4	212.8	212.1	211.4	211.1	211.0
110°	252.5	251.8	251.1	250.5	249.8	249.5	249.1	248.8	248.5	248.3	248.1

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	288.9	288.0	287.2	286.3	285.5	285.5	285.5	285.5	285.5	285.5	285.4
115°	324.1	323.9	323.8	323.6	323.4	323.7	324.1	324.4	324.7	324.9	324.7
117.5°	360.6	360.6	360.6	360.6	360.6	360.9	361.3	361.6	361.9	362.1	362.0
120°	397.2	397.3	397.5	397.6	397.8	398.6	399.5	400.3	401.2	401.6	401.1
122.5°	433.8	434.3	434.8	435.3	435.8	436.1	436.5	436.8	437.1	437.3	437.0
125°	470.3	471.0	471.7	472.3	473.0	473.3	473.7	474.0	474.3	474.5	474.2
127.5°	506.1	507.1	508.2	509.2	510.2	510.5	510.9	511.2	511.5	511.7	511.2
130°	543.1	543.8	544.5	545.2	545.9	546.4	546.9	547.4	547.9	548.2	547.5
132.5°	578.2	579.1	579.9	580.8	581.6	581.9	582.3	582.6	582.9	583.1	582.4
135°	613.7	614.4	615.1	615.8	616.5	616.7	616.8	617.0	617.1	617.2	616.7
137.5°	648.0	648.9	649.7	650.6	651.4	650.9	650.4	649.9	649.4	649.1	648.7
140°	683.4	683.6	683.7	683.9	684.1	683.9	683.7	683.6	683.4	683.3	682.9
142.5°	715.3	715.4	715.6	715.7	715.9	715.6	715.2	714.9	714.6	714.4	714.0
145°	746.4	746.6	746.7	746.9	747.1	746.6	746.1	745.6	745.1	744.8	744.6
147.5°	776.7	776.7	776.7	776.7	776.7	776.2	775.7	775.2	774.7	774.4	774.1
150°	804.0	804.0	804.0	804.0	804.0	803.7	803.3	803.0	802.7	802.5	802.3
152.5°	829.6	829.3	829.0	828.6	828.3	828.1	827.9	827.8	827.6	827.5	827.3
155°	854.6	853.9	853.2	852.5	851.8	851.6	851.5	851.3	851.2	851.1	851.1
157.5°	875.8	875.1	874.4	873.8	873.1	872.9	872.7	872.6	872.4	872.3	872.4
160°	895.5	894.6	893.8	892.9	892.1	892.1	892.1	892.1	892.1	892.1	892.3
162.5°	913.7	912.8	912.0	911.1	910.3	910.1	909.9	909.8	909.6	909.5	909.8
165°	928.8	927.8	926.7	925.7	924.7	924.7	924.7	924.7	924.7	924.7	925.0
167.5°	941.7	940.7	939.6	938.6	937.6	937.4	937.3	937.1	937.0	936.9	937.2
170°	952.2	951.0	949.9	948.7	947.5	947.5	947.5	947.5	947.5	947.5	947.8
172.5°	959.9	958.9	957.9	956.9	955.9	955.9	955.9	955.9	955.9	955.9	956.2
175°	965.2	964.2	963.2	962.2	961.2	961.2	961.2	961.2	961.2	961.2	961.5
177.5°	968.3	967.3	966.2	965.2	964.2	964.2	964.2	964.2	964.2	964.2	964.5
180°	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5	966.5

TEST NUMBER: P1012541

CATALOG NUMBER: S123RDIP-B340D805UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	526.9	526.9	526.9	526.9
2.5°	513.4	516.5	522.8	528.2
5°	502.5	507.5	517.0	526.4
7.5°	489.5	497.1	509.3	522.4
10°	476.8	486.7	501.6	517.0
12.5°	464.2	474.6	490.4	510.2
15°	449.3	460.1	479.1	503.0
17.5°	436.2	450.7	467.8	491.7
20°	422.2	433.1	455.2	480.4
22.5°	404.6	422.7	443.4	470.1
25°	390.7	406.4	427.2	457.4
27.5°	373.5	392.0	417.3	443.9
30°	359.5	374.9	398.3	430.4
32.5°	343.3	361.3	385.7	417.3
35°	328.9	344.2	367.2	399.2
37.5°	311.7	328.4	354.1	382.5
40°	296.8	313.1	337.4	364.0
42.5°	278.8	295.9	320.3	342.8
45°	264.4	280.1	299.5	320.3
47.5°	246.8	263.4	282.4	296.8
50°	231.0	246.3	261.2	273.4
52.5°	213.8	227.8	241.3	250.4
55°	198.0	208.9	219.7	226.0
57.5°	179.5	189.9	198.9	202.5
60°	163.3	171.9	177.7	181.8
62.5°	146.2	152.5	157.0	159.2
65°	129.5	134.0	136.2	138.5
67.5°	112.3	116.4	117.7	120.4
70°	94.3	98.8	99.7	101.0
72.5°	80.7	80.7	82.6	84.4
75°	64.5	65.4	66.3	66.3
77.5°	50.5	50.5	51.4	51.9
80°	37.0	37.4	37.4	37.0
82.5°	25.3	26.2	25.3	24.8
85°	14.0	15.8	14.9	14.9
87.5°	5.9	5.9	6.8	5.9
90°	5.9	4.2	2.5	0.8
92.5°	25.8	24.8	23.8	22.8
95°	48.3	47.2	46.0	44.8
97.5°	76.1	75.3	74.4	73.6
100°	106.3	105.3	104.3	103.3
102.5°	138.9	138.4	137.9	137.4
105°	171.8	171.5	171.1	170.8
107.5°	210.8	210.7	210.5	210.3
110°	247.8	247.4	247.1	246.7

TEST NUMBER: P1012541

CATALOG NUMBER: S123RDIP-B340D805UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	285.2	285.1	284.9	284.7
115°	324.2	323.7	323.2	322.7
117.5°	361.9	361.7	361.6	361.4
120°	400.1	399.1	398.1	397.1
122.5°	436.3	435.6	435.0	434.3
125°	473.7	473.2	472.7	472.2
127.5°	510.2	509.2	508.2	507.2
130°	546.2	544.8	543.5	542.1
132.5°	581.1	579.7	578.4	577.0
135°	615.7	614.7	613.7	612.7
137.5°	647.8	647.0	646.1	645.3
140°	682.0	681.2	680.3	679.5
142.5°	713.1	712.3	711.4	710.6
145°	744.3	744.0	743.6	743.3
147.5°	773.4	772.7	772.1	771.4
150°	802.0	801.7	801.3	801.0
152.5°	826.8	826.3	825.8	825.3
155°	851.1	851.1	851.1	851.1
157.5°	872.6	872.7	872.9	873.1
160°	892.6	892.9	893.3	893.6
162.5°	910.3	910.8	911.3	911.8
165°	925.5	926.0	926.5	927.0
167.5°	937.9	938.6	939.2	939.9
170°	948.5	949.2	949.8	950.5
172.5°	956.9	957.6	958.2	958.9
175°	962.2	962.9	963.5	964.2
177.5°	965.2	965.9	966.5	967.2
180°	966.5	966.5	966.5	966.5

(END OF REPORT)