

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: P1012525

Luminaire Tested: S123RDIP-B340D805UB27-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1012525
REPORT IS A COMBINATION OF REPORTS P993280 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-B340D805UB27-4F0-XX-W2A-A1
Description: Define 3 Regressed Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473}
{m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

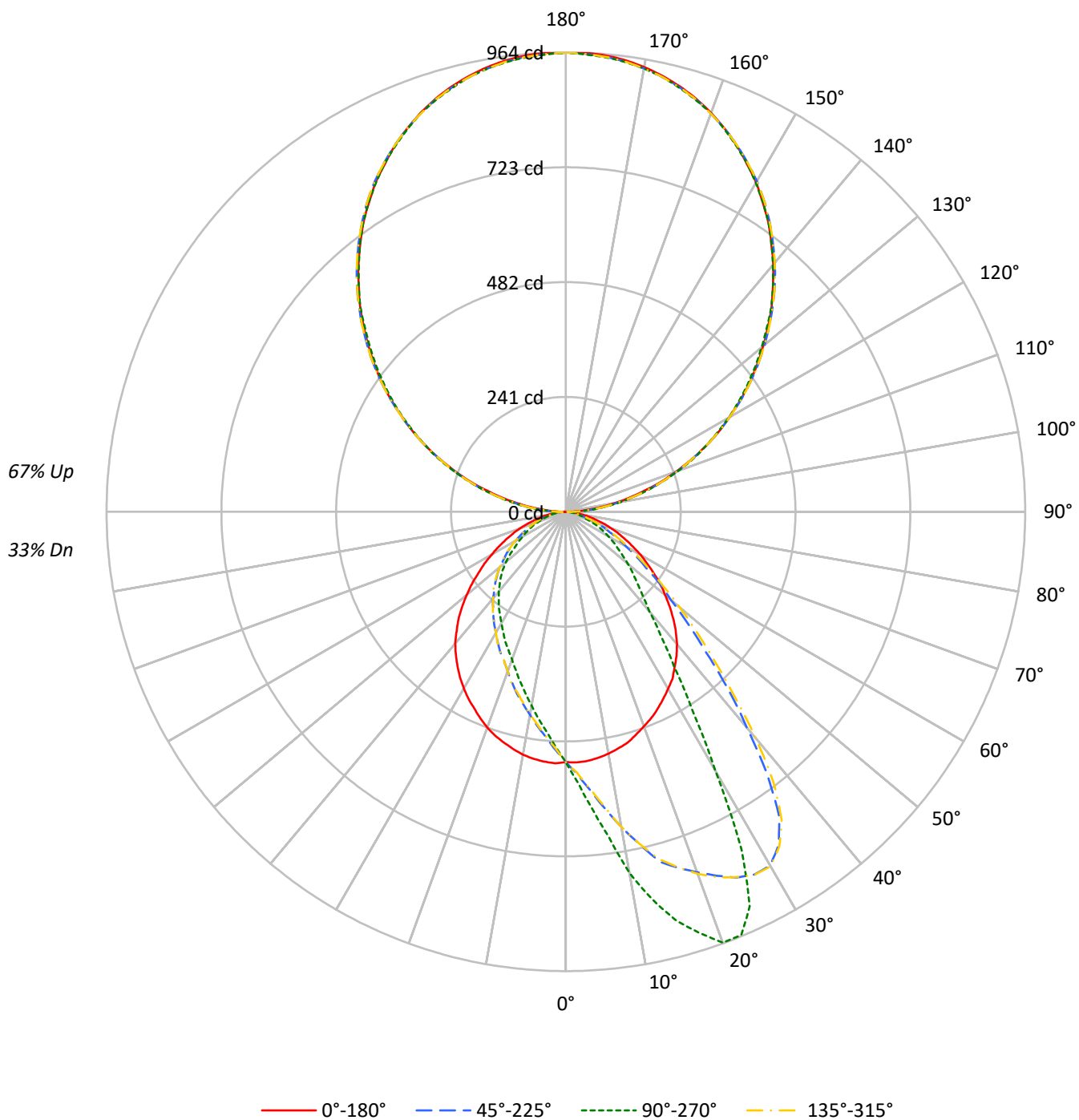
Lumens per Lamp: N/A
Luminaire Lumens: 3980.0 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

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°	5654	5654	5654	5654
5°	5658	6512	5673	4831
10°	5609	7861	5633	4220
15°	5551	8922	5551	3721
20°	5437	9623	5468	3301
25°	5353	9143	5343	3012
30°	5256	6335	5245	2729
35°	5140	4067	5117	2516
40°	4994	2872	4970	2304
45°	4742	2299	4736	2097
50°	4431	1922	4417	1856
55°	4082	1585	4050	1574
60°	3739	1310	3702	1338
65°	3338	1049	3360	1135
70°	2965	729	3045	918
75°	2514	541	2617	706
80°	2003	358	2172	529
85°	1422	168	1556	328

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 7549 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.6	1.3
10°-20°	161.5	4.1
20°-30°	254.3	6.4
30°-40°	264.5	6.6
40°-50°	226.3	5.7
50°-60°	172.5	4.3
60°-70°	110.5	2.8
70°-80°	52.9	1.3
80°-90°	15.9	0.4
90°-100°	62.0	1.6
100°-110°	187.7	4.7
110°-120°	319.6	8.0
120°-130°	420.5	10.6
130°-140°	472.6	11.9
140°-150°	464.7	11.7
150°-160°	391.2	9.8
160°-170°	260.4	6.5
170°-180°	91.2	2.3
0°-30°	467.4	11.7
0°-40°	731.9	18.4
0°-60°	1130.6	28.4
0°-90°	1310.0	32.9
90°-120°	569.4	14.3
90°-150°	1927.2	48.4
90°-180°	2670.0	67.1
0°-180°	3980.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	525	525	525	525	525	
5°	525	624	526	463	525	50
15°	502	886	502	370	502	141
25°	456	913	455	301	456	210
35°	398	396	396	245	398	249
45°	319	211	319	193	319	246
55°	225	133	224	132	225	202
65°	138	76	139	83	138	138
75°	66	32	69	42	66	71
85°	15	8	16	15	15	17
90°	1	23	1	23	1	4
95°	45	59	45	59	45	49
105°	170	180	170	180	170	182
115°	322	322	322	322	322	318
125°	471	466	471	466	471	420
135°	611	610	611	610	611	471
145°	741	741	741	741	741	463
155°	848	847	848	847	848	391
165°	924	921	924	921	924	261
175°	961	958	961	958	961	91
180°	964	964	964	964	964	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3
2.5°	526.6	530.2	532.9	534.7	539.2	541.9	544.2	548.2	548.2	549.1	550.9
5°	524.8	532.5	537.9	545.1	554.5	559.0	565.3	570.7	578.4	582.4	586.5
7.5°	520.8	531.6	542.8	553.6	567.6	576.6	582.9	596.8	606.7	618.8	628.3
10°	515.4	530.2	544.6	561.3	580.2	593.6	603.1	621.5	640.4	657.5	671.9
12.5°	508.6	526.6	547.3	567.6	594.1	607.6	622.9	645.8	672.8	694.4	713.7
15°	501.5	522.1	545.5	570.3	603.5	622.4	644.5	672.4	702.5	733.5	760.1
17.5°	490.2	516.3	542.4	578.4	617.5	628.7	647.6	685.8	723.2	751.1	783.4
20°	479.0	508.2	541.0	573.4	615.7	641.8	659.3	699.8	739.8	773.5	804.6
22.5°	468.6	499.2	533.4	574.3	613.9	640.0	662.0	704.3	750.6	788.4	826.6
25°	456.0	489.3	527.1	565.8	613.9	633.7	658.0	707.0	756.0	799.6	846.8
27.5°	442.5	476.3	513.6	553.2	597.2	626.5	650.3	702.9	762.7	809.5	858.1
30°	429.0	463.7	499.7	535.2	584.7	612.5	640.0	698.0	766.3	819.9	857.2
32.5°	416.0	445.2	480.8	515.4	564.4	595.0	626.0	693.0	767.7	812.7	830.7
35°	398.0	428.6	457.4	494.3	543.7	573.9	610.3	692.6	761.8	789.7	780.7
37.5°	381.4	407.0	434.4	467.3	518.1	557.2	595.0	680.9	742.5	744.3	693.5
40°	362.9	384.1	407.0	441.6	496.5	535.2	576.1	662.9	707.4	680.9	591.4
42.5°	341.8	360.7	378.7	412.4	472.2	515.4	559.5	640.4	656.6	595.4	502.4
45°	319.3	334.6	351.2	386.8	446.6	489.3	533.4	605.8	589.2	502.8	414.2
47.5°	295.9	309.0	325.2	357.5	419.2	462.8	504.6	556.3	514.0	421.4	347.2
50°	272.5	282.9	298.6	331.9	391.3	430.8	469.5	503.3	443.9	361.6	286.9
52.5°	249.6	257.7	273.9	302.2	359.8	397.6	425.4	438.5	378.2	298.6	249.2
55°	225.3	234.3	245.1	273.9	331.0	358.9	377.3	376.9	314.8	253.2	206.0
57.5°	201.9	210.0	219.5	248.3	294.6	313.5	329.2	321.6	262.6	207.3	176.7
60°	181.2	185.7	196.1	220.4	255.4	271.6	280.6	267.6	214.5	174.9	146.2
62.5°	158.8	163.3	171.8	194.7	216.3	224.9	232.5	215.9	177.2	142.6	125.0
65°	138.1	143.9	149.3	167.8	179.4	189.8	188.9	174.9	138.5	116.0	101.6
67.5°	120.1	122.3	126.8	138.1	143.5	151.1	151.6	135.8	111.5	94.4	85.9
70°	100.7	103.0	106.1	111.5	115.1	116.9	116.0	102.1	84.1	73.8	66.1
72.5°	84.1	83.7	85.9	85.9	89.5	89.0	86.3	75.6	63.9	55.3	50.8
75°	66.1	66.6	67.0	66.1	64.8	63.0	60.7	52.6	45.0	40.9	36.9
77.5°	51.7	50.8	51.3	48.1	46.3	44.5	41.4	37.3	31.0	30.1	28.3
80°	36.9	36.4	36.0	34.6	30.6	28.8	26.5	24.3	22.9	22.0	21.6
82.5°	24.7	24.7	23.8	21.1	18.9	17.5	17.1	16.2	14.8	14.8	14.4
85°	14.8	14.4	13.5	10.8	9.4	9.4	9.4	9.4	8.5	8.5	8.1
87.5°	5.8	5.4	4.0	4.0	3.6	3.6	3.6	3.1	3.1	2.7	2.7
90°	0.8	2.5	4.1	5.8	7.5	8.3	9.4	11.6	13.8	16.0	18.2
92.5°	22.7	23.7	24.7	25.8	26.8	27.3	27.8	28.8	29.8	30.8	31.8
95°	44.7	45.9	47.1	48.2	49.4	50.0	50.7	52.0	53.3	54.7	56.0
97.5°	73.4	74.2	75.1	75.9	76.8	77.2	77.7	78.7	79.8	80.8	81.8
100°	102.9	103.9	104.9	106.0	107.0	107.5	107.9	108.8	109.6	110.5	111.3
102.5°	137.0	137.5	138.0	138.5	139.0	139.3	139.9	141.1	142.2	143.4	144.6
105°	170.3	170.6	171.0	171.3	171.6	171.8	172.6	174.1	175.6	177.1	178.6
107.5°	209.7	209.9	210.0	210.2	210.3	210.4	210.7	211.4	212.1	212.8	213.5
110°	246.0	246.3	246.7	247.0	247.3	247.5	247.7	248.0	248.3	248.7	249.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	283.9	284.1	284.2	284.4	284.5	284.6	284.6	284.6	284.6	284.6	284.6
115°	321.7	322.2	322.7	323.2	323.7	324.0	323.8	323.5	323.2	322.8	322.5
117.5°	360.3	360.5	360.7	360.8	361.0	361.1	360.9	360.6	360.3	359.9	359.6
120°	395.9	396.9	397.9	398.9	399.9	400.4	400.0	399.1	398.3	397.4	396.6
122.5°	433.0	433.7	434.3	435.0	435.7	436.0	435.8	435.5	435.2	434.8	434.5
125°	470.8	471.3	471.8	472.3	472.8	473.1	472.9	472.6	472.3	471.9	471.6
127.5°	505.6	506.6	507.6	508.7	509.7	510.2	510.0	509.7	509.4	509.0	508.7
130°	540.5	541.8	543.2	544.5	545.8	546.5	546.2	545.7	545.2	544.7	544.2
132.5°	575.3	576.6	578.0	579.3	580.6	581.3	581.1	580.8	580.5	580.1	579.8
135°	610.9	611.9	612.9	613.9	614.9	615.4	615.3	615.1	615.0	614.8	614.6
137.5°	643.4	644.2	645.1	645.9	646.8	647.2	647.5	648.0	648.5	649.0	649.5
140°	677.5	678.3	679.2	680.0	680.9	681.3	681.4	681.5	681.7	681.8	682.0
142.5°	708.5	709.3	710.2	711.0	711.9	712.3	712.5	712.8	713.1	713.5	713.8
145°	741.1	741.4	741.8	742.1	742.4	742.6	742.8	743.3	743.8	744.3	744.8
147.5°	769.1	769.8	770.4	771.1	771.8	772.1	772.4	772.9	773.4	773.9	774.4
150°	798.6	798.9	799.3	799.6	799.9	800.1	800.3	800.6	800.9	801.3	801.6
152.5°	822.8	823.3	823.8	824.3	824.8	825.1	825.2	825.3	825.5	825.6	825.8
155°	848.5	848.5	848.5	848.5	848.5	848.5	848.6	848.8	848.9	849.1	849.3
157.5°	870.5	870.3	870.1	870.0	869.8	869.7	869.8	870.0	870.1	870.3	870.5
160°	890.9	890.6	890.2	889.9	889.6	889.4	889.4	889.4	889.4	889.4	889.4
162.5°	909.1	908.6	908.1	907.6	907.1	906.8	906.9	907.1	907.2	907.4	907.6
165°	924.2	923.7	923.2	922.7	922.2	922.0	922.0	922.0	922.0	922.0	922.0
167.5°	937.1	936.4	935.8	935.1	934.4	934.1	934.2	934.3	934.5	934.6	934.8
170°	947.7	947.0	946.4	945.7	945.0	944.7	944.7	944.7	944.7	944.7	944.7
172.5°	956.0	955.3	954.7	954.0	953.3	953.0	953.0	953.0	953.0	953.0	953.0
175°	961.3	960.6	960.0	959.3	958.6	958.3	958.3	958.3	958.3	958.3	958.3
177.5°	964.4	963.7	963.0	962.3	961.6	961.3	961.3	961.3	961.3	961.3	961.3
180°	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3
2.5°	554.5	554.5	558.6	562.6	560.4	561.7	566.7	564.9	568.5	568.0	569.4
5°	596.3	601.3	605.3	613.9	615.2	613.9	622.4	624.7	628.7	623.8	626.0
7.5°	643.6	653.9	663.8	676.4	680.4	681.3	685.8	692.1	697.5	687.6	692.6
10°	689.4	705.2	725.4	736.7	746.6	750.2	753.8	757.8	764.1	769.9	765.4
12.5°	738.9	761.8	781.2	801.4	813.6	812.2	822.6	825.3	830.2	831.6	833.4
15°	779.4	811.8	823.9	854.0	856.7	865.7	877.4	887.8	889.1	886.4	886.4
17.5°	818.1	846.0	867.5	891.8	896.8	904.4	919.3	924.2	926.0	925.6	925.6
20°	849.5	868.0	904.4	924.7	932.7	942.6	953.0	959.3	960.6	962.4	959.7
22.5°	870.2	898.1	927.8	944.4	951.2	954.8	961.5	963.3	961.1	961.5	962.0
25°	886.4	913.9	931.8	936.3	935.9	931.4	926.5	917.9	917.0	913.4	906.2
27.5°	890.9	901.3	899.0	880.6	862.1	860.3	830.7	814.5	796.0	798.7	788.4
30°	866.6	853.1	821.2	774.4	755.1	723.6	690.3	655.7	642.2	627.4	654.8
32.5°	807.3	759.2	702.5	641.8	609.4	581.5	546.0	520.8	506.4	494.3	517.6
35°	717.8	642.7	567.6	510.0	483.5	458.3	425.0	412.4	394.4	396.2	398.5
37.5°	602.6	519.9	463.2	406.6	389.0	378.7	354.4	335.1	328.8	327.0	327.0
40°	494.7	426.8	376.4	331.9	318.4	309.9	290.5	281.5	274.8	273.0	275.2
42.5°	409.3	351.2	312.1	282.4	273.0	262.2	254.1	242.9	241.5	238.4	242.4
45°	343.6	293.2	264.0	242.4	234.3	230.3	221.3	214.5	211.8	211.4	214.5
47.5°	291.4	252.3	226.7	213.2	206.9	202.8	195.2	192.5	189.8	190.7	189.3
50°	244.7	215.4	198.8	186.6	182.6	178.5	173.6	170.9	169.5	169.5	169.1
52.5°	210.0	185.7	174.9	163.7	161.9	159.7	154.3	152.5	150.2	149.8	151.6
55°	179.9	163.3	152.5	145.7	143.9	139.4	137.2	134.9	133.6	132.7	133.1
57.5°	153.8	141.2	134.0	128.2	125.0	123.2	119.2	118.7	117.8	117.8	117.4
60°	132.2	123.2	114.7	111.1	108.8	106.6	106.1	103.4	102.1	103.0	102.5
62.5°	112.0	104.8	99.8	95.8	94.4	92.6	91.3	90.4	89.0	89.5	89.5
65°	93.5	87.7	84.1	80.5	80.1	78.3	77.8	76.9	76.9	76.5	77.4
67.5°	76.9	72.9	69.7	67.5	66.1	66.6	64.8	63.4	63.4	63.0	64.3
70°	61.2	58.9	55.8	53.1	51.3	51.3	49.0	48.6	48.6	48.6	48.1
72.5°	47.2	43.2	41.8	40.9	40.9	40.9	40.0	40.0	39.6	40.0	39.6
75°	35.1	34.6	33.7	33.3	33.3	32.8	32.4	32.4	32.4	32.4	32.4
77.5°	27.4	27.4	26.5	26.1	26.1	26.1	25.6	25.6	25.2	25.2	25.2
80°	20.2	20.2	19.3	19.3	19.3	18.9	18.9	18.9	19.3	18.9	18.9
82.5°	13.9	13.9	13.5	13.9	13.5	13.0	13.0	13.0	12.6	13.0	13.0
85°	8.1	8.1	7.6	7.2	7.6	7.6	7.2	7.6	7.2	7.6	7.2
87.5°	3.1	2.7	2.7	2.7	2.2	2.7	2.2	2.2	2.7	2.2	2.7
90°	18.9	19.5	20.2	20.9	21.2	21.4	21.7	22.0	22.4	22.7	22.4
92.5°	32.3	32.8	33.3	33.8	34.1	33.9	33.6	33.2	32.9	32.5	32.9
95°	56.7	57.3	58.0	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0
97.5°	82.6	83.4	84.3	85.1	85.5	85.4	85.3	85.1	85.0	84.8	85.0
100°	111.8	112.3	112.8	113.3	113.5	113.7	114.0	114.4	114.7	115.1	114.7
102.5°	145.1	145.6	146.1	146.6	146.8	146.7	146.6	146.4	146.3	146.1	146.3
105°	178.6	178.6	178.6	178.6	178.6	178.8	179.1	179.5	179.8	180.2	179.8
107.5°	214.0	214.5	215.0	215.5	215.7	215.6	215.5	215.3	215.2	215.0	215.2
110°	249.7	250.4	251.1	251.8	252.1	251.9	251.6	251.3	250.9	250.6	250.9

TEST NUMBER: P1012525

CATALOG NUMBER: S123RDIP-B340D805UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	285.4	286.3	287.1	288.0	288.4	288.4	288.4	288.4	288.4	288.4	288.4
115°	322.7	322.8	323.0	323.1	323.2	323.1	323.0	322.8	322.7	322.5	322.7
117.5°	359.6	359.6	359.6	359.6	359.6	359.3	358.8	358.3	357.8	357.3	357.8
120°	396.4	396.3	396.1	396.0	395.9	395.7	395.4	395.1	394.7	394.4	394.7
122.5°	434.0	433.5	433.0	432.5	432.2	431.9	431.4	430.9	430.4	429.9	430.4
125°	470.9	470.3	469.6	468.9	468.6	468.3	467.6	466.9	466.2	465.5	466.2
127.5°	507.7	506.7	505.6	504.6	504.1	503.8	503.1	502.4	501.8	501.1	501.8
130°	543.5	542.9	542.2	541.5	541.2	540.6	539.4	538.3	537.1	535.9	537.1
132.5°	579.0	578.1	577.3	576.4	576.0	575.6	574.8	573.9	573.1	572.3	573.1
135°	613.9	613.3	612.6	611.9	611.6	611.4	611.1	610.8	610.4	610.1	610.4
137.5°	648.7	647.8	647.0	646.1	645.7	645.4	644.9	644.4	643.9	643.4	643.9
140°	681.8	681.7	681.5	681.4	681.3	680.7	679.5	678.4	677.2	676.0	677.2
142.5°	713.6	713.4	713.3	713.1	713.0	712.6	711.8	710.9	710.1	709.3	710.1
145°	744.6	744.5	744.3	744.2	744.1	743.8	743.1	742.4	741.8	741.1	741.8
147.5°	774.4	774.4	774.4	774.4	774.4	773.9	772.9	771.8	770.8	769.8	770.8
150°	801.6	801.6	801.6	801.6	801.6	801.1	800.1	799.1	798.1	797.1	798.1
152.5°	826.1	826.5	826.8	827.1	827.3	826.9	826.1	825.2	824.4	823.6	824.4
155°	850.0	850.6	851.3	852.0	852.3	851.7	850.5	849.4	848.2	847.0	848.2
157.5°	871.2	871.8	872.5	873.2	873.5	873.0	872.0	871.0	870.0	869.0	870.0
160°	890.2	891.1	891.9	892.8	893.2	892.9	892.2	891.5	890.9	890.2	890.9
162.5°	908.4	909.3	910.1	911.0	911.4	910.8	909.6	908.5	907.3	906.1	907.3
165°	923.0	924.0	925.0	926.0	926.5	925.9	924.7	923.6	922.4	921.2	922.4
167.5°	935.8	936.8	937.9	938.9	939.4	938.9	937.9	936.8	935.8	934.8	935.8
170°	945.9	947.1	948.2	949.4	950.0	949.4	948.2	947.1	945.9	944.7	945.9
172.5°	954.0	955.0	956.0	957.0	957.5	956.9	955.7	954.6	953.4	952.2	953.4
175°	959.3	960.3	961.3	962.3	962.8	962.2	961.0	959.9	958.7	957.5	958.7
177.5°	962.3	963.3	964.4	965.4	965.9	965.3	964.1	963.0	961.8	960.6	961.8
180°	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6

TEST NUMBER: P1012525

CATALOG NUMBER: S123RDIP-B340D805UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3
2.5°	567.1	564.4	562.6	561.3	559.9	564.0	558.6	552.7	548.7	546.0	545.1
5°	626.5	620.6	615.7	611.6	612.5	612.5	603.1	592.7	583.8	578.8	573.4
7.5°	695.3	689.0	679.1	676.8	675.1	663.8	654.4	635.5	624.2	613.0	603.1
10°	763.6	755.6	746.1	743.0	738.5	724.5	710.1	685.8	671.9	651.2	638.2
12.5°	827.5	817.6	808.2	805.9	799.2	787.0	762.3	737.1	713.3	691.2	668.3
15°	881.0	878.3	863.9	854.9	840.1	823.5	818.1	783.9	753.8	730.8	689.4
17.5°	926.0	913.4	899.9	894.1	888.2	868.9	849.5	814.5	782.1	748.4	721.8
20°	962.0	948.0	938.6	930.1	927.4	905.3	874.7	843.7	808.2	770.4	735.8
22.5°	963.8	962.0	955.7	950.7	945.3	930.9	906.7	868.0	830.2	788.8	743.4
25°	926.5	923.8	941.7	937.2	940.8	935.4	922.4	890.0	846.0	797.4	751.5
27.5°	814.0	841.5	869.8	879.7	886.4	905.8	912.1	894.1	858.5	806.8	755.6
30°	661.1	697.5	743.4	768.1	787.0	823.0	869.8	875.6	859.0	817.6	754.7
32.5°	519.0	552.3	589.2	618.4	643.6	717.3	780.3	825.7	833.8	812.2	756.9
35°	418.3	432.6	467.7	495.6	529.8	592.7	667.0	740.3	789.7	792.4	750.2
37.5°	344.9	352.6	383.2	398.9	419.2	474.5	543.7	639.5	716.4	752.9	731.3
40°	285.6	303.1	320.7	329.7	344.0	382.3	448.8	523.9	619.3	686.7	702.0
42.5°	247.8	255.4	266.7	279.3	288.3	321.6	366.1	434.9	520.8	614.8	657.1
45°	218.6	221.3	233.0	241.1	250.5	273.9	305.4	362.9	438.5	531.1	603.1
47.5°	194.3	199.7	206.0	210.9	217.2	235.2	262.2	304.0	370.6	453.3	530.7
50°	172.7	175.8	183.9	186.2	190.7	203.3	224.0	255.9	310.8	376.9	456.9
52.5°	152.5	158.3	161.5	164.6	168.7	179.0	192.5	218.6	259.9	322.0	389.9
55°	136.7	138.5	143.0	145.7	148.9	156.1	167.8	187.1	219.5	268.9	333.3
57.5°	121.4	121.4	125.9	128.2	131.3	136.7	147.1	161.9	185.3	222.2	281.1
60°	105.2	105.7	109.3	112.0	112.9	118.3	126.8	138.5	156.5	183.5	231.6
62.5°	90.8	93.1	94.9	95.8	98.9	102.1	109.3	117.4	130.0	153.8	188.0
65°	78.7	79.2	80.5	81.4	82.8	86.3	91.7	97.1	107.9	125.5	153.4
67.5°	64.8	66.6	68.4	68.4	69.7	71.5	76.9	81.4	89.5	99.8	118.7
70°	48.6	49.5	52.2	53.5	55.3	58.5	61.2	63.9	70.2	77.8	92.2
72.5°	40.5	40.5	41.4	41.8	41.8	44.1	48.1	50.8	54.0	59.4	69.3
75°	32.4	32.4	33.7	33.3	34.2	35.1	35.5	37.3	39.1	43.2	49.0
77.5°	25.6	26.1	26.1	26.5	26.5	27.0	27.4	28.3	29.2	31.5	34.2
80°	18.9	19.3	19.3	19.8	19.8	20.2	20.7	21.1	22.0	22.9	24.3
82.5°	13.0	13.5	13.5	13.9	13.5	13.9	14.4	14.4	14.8	15.7	16.2
85°	7.6	7.6	8.1	7.6	7.6	7.6	8.1	8.1	8.5	9.9	9.9
87.5°	2.2	2.7	2.2	2.7	2.7	2.7	2.7	3.1	3.1	3.6	4.0
90°	22.0	21.7	21.4	21.2	20.9	20.2	19.5	18.9	18.2	16.0	13.8
92.5°	33.2	33.6	33.9	34.1	33.8	33.3	32.8	32.3	31.8	30.8	29.8
95°	59.0	59.0	59.0	59.0	58.7	58.0	57.3	56.7	56.0	54.7	53.3
97.5°	85.1	85.3	85.4	85.5	85.1	84.3	83.4	82.6	81.8	80.8	79.8
100°	114.4	114.0	113.7	113.5	113.3	112.8	112.3	111.8	111.3	110.5	109.6
102.5°	146.4	146.6	146.7	146.8	146.6	146.1	145.6	145.1	144.6	143.4	142.2
105°	179.5	179.1	178.8	178.6	178.6	178.6	178.6	178.6	178.6	177.1	175.6
107.5°	215.3	215.5	215.6	215.7	215.5	215.0	214.5	214.0	213.5	212.8	212.1
110°	251.3	251.6	251.9	252.1	251.8	251.1	250.4	249.7	249.0	248.7	248.3

TEST NUMBER: P1012525

CATALOG NUMBER: S123RDIP-B340D805UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	288.4	288.4	288.4	288.4	288.0	287.1	286.3	285.4	284.6	284.6	284.6
115°	322.8	323.0	323.1	323.2	323.1	323.0	322.8	322.7	322.5	322.8	323.2
117.5°	358.3	358.8	359.3	359.6	359.6	359.6	359.6	359.6	359.6	359.9	360.3
120°	395.1	395.4	395.7	395.9	396.0	396.1	396.3	396.4	396.6	397.4	398.3
122.5°	430.9	431.4	431.9	432.2	432.5	433.0	433.5	434.0	434.5	434.8	435.2
125°	466.9	467.6	468.3	468.6	468.9	469.6	470.3	470.9	471.6	471.9	472.3
127.5°	502.4	503.1	503.8	504.1	504.6	505.6	506.7	507.7	508.7	509.0	509.4
130°	538.3	539.4	540.6	541.2	541.5	542.2	542.9	543.5	544.2	544.7	545.2
132.5°	573.9	574.8	575.6	576.0	576.4	577.3	578.1	579.0	579.8	580.1	580.5
135°	610.8	611.1	611.4	611.6	611.9	612.6	613.3	613.9	614.6	614.8	615.0
137.5°	644.4	644.9	645.4	645.7	646.1	647.0	647.8	648.7	649.5	649.0	648.5
140°	678.4	679.5	680.7	681.3	681.4	681.5	681.7	681.8	682.0	681.8	681.7
142.5°	710.9	711.8	712.6	713.0	713.1	713.3	713.4	713.6	713.8	713.5	713.1
145°	742.4	743.1	743.8	744.1	744.2	744.3	744.5	744.6	744.8	744.3	743.8
147.5°	771.8	772.9	773.9	774.4	774.4	774.4	774.4	774.4	774.4	773.9	773.4
150°	799.1	800.1	801.1	801.6	801.6	801.6	801.6	801.6	801.6	801.3	800.9
152.5°	825.2	826.1	826.9	827.3	827.1	826.8	826.5	826.1	825.8	825.6	825.5
155°	849.4	850.5	851.7	852.3	852.0	851.3	850.6	850.0	849.3	849.1	848.9
157.5°	871.0	872.0	873.0	873.5	873.2	872.5	871.8	871.2	870.5	870.3	870.1
160°	891.5	892.2	892.9	893.2	892.8	891.9	891.1	890.2	889.4	889.4	889.4
162.5°	908.5	909.6	910.8	911.4	911.0	910.1	909.3	908.4	907.6	907.4	907.2
165°	923.6	924.7	925.9	926.5	926.0	925.0	924.0	923.0	922.0	922.0	922.0
167.5°	936.8	937.9	938.9	939.4	938.9	937.9	936.8	935.8	934.8	934.6	934.5
170°	947.1	948.2	949.4	950.0	949.4	948.2	947.1	945.9	944.7	944.7	944.7
172.5°	954.6	955.7	956.9	957.5	957.0	956.0	955.0	954.0	953.0	953.0	953.0
175°	959.9	961.0	962.2	962.8	962.3	961.3	960.3	959.3	958.3	958.3	958.3
177.5°	963.0	964.1	965.3	965.9	965.4	964.4	963.3	962.3	961.3	961.3	961.3
180°	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6

TEST NUMBER: P1012525

CATALOG NUMBER: S123RDIP-B340D805UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3
2.5°	543.7	541.5	539.2	539.2	534.3	529.8	527.5	528.4	525.7	522.1	518.5
5°	567.6	558.6	556.8	551.8	545.1	535.6	530.7	526.2	520.8	513.6	506.9
7.5°	589.6	577.9	571.6	566.7	553.6	540.6	529.8	522.6	513.1	502.4	494.3
10°	618.4	596.8	590.1	578.8	560.4	541.9	529.3	517.6	504.6	492.0	481.2
12.5°	641.3	616.6	604.0	592.7	568.9	545.5	524.4	510.0	494.3	480.3	466.4
15°	667.4	639.5	617.5	604.0	573.9	545.5	521.7	501.5	483.9	466.8	454.7
17.5°	680.0	644.9	635.0	615.7	572.1	543.7	514.5	492.9	471.8	452.0	437.6
20°	699.8	658.9	634.1	621.1	582.4	540.6	506.4	481.7	459.6	438.5	423.2
22.5°	701.1	656.6	640.4	615.7	568.0	531.1	499.2	469.1	443.4	423.6	407.9
25°	698.0	652.6	630.1	610.3	570.7	525.7	484.8	455.1	429.9	407.0	388.6
27.5°	696.6	640.9	619.7	599.9	555.4	510.0	476.3	442.5	413.8	393.5	374.6
30°	694.8	628.3	602.6	579.7	538.8	497.9	457.4	428.1	400.7	375.1	356.2
32.5°	683.1	611.2	585.1	560.8	516.7	475.8	443.9	412.9	383.2	359.3	342.2
35°	679.5	595.4	561.3	535.2	492.0	455.6	421.9	396.2	368.3	344.5	324.3
37.5°	669.2	579.3	542.4	509.1	464.1	429.5	404.8	379.1	352.1	326.5	310.3
40°	651.2	560.4	518.5	484.4	438.0	403.0	380.0	361.1	334.6	311.7	291.9
42.5°	624.7	541.0	496.1	460.1	408.8	376.0	357.1	339.1	316.6	292.8	276.6
45°	594.1	515.4	473.6	433.5	381.4	349.4	329.7	318.9	298.2	277.9	259.0
47.5°	552.3	488.9	447.5	406.1	353.0	322.0	306.3	295.5	281.1	259.0	243.8
50°	499.7	454.7	415.6	378.7	325.2	295.5	279.7	271.6	259.5	243.8	228.9
52.5°	441.2	415.1	382.7	348.5	296.8	268.9	254.5	248.3	239.3	224.4	211.8
55°	382.3	371.0	349.0	315.3	267.1	244.2	231.6	223.5	216.8	206.0	195.2
57.5°	329.7	324.3	309.0	282.9	242.4	218.6	207.8	202.4	197.0	188.9	178.1
60°	275.2	281.1	265.3	252.3	215.4	194.7	185.3	179.4	176.7	169.5	162.8
62.5°	228.0	233.4	224.4	214.5	188.4	170.0	164.2	158.8	157.0	150.7	143.9
65°	185.3	192.0	185.3	179.9	164.2	148.9	141.7	139.0	137.2	133.1	127.7
67.5°	147.5	154.3	151.1	144.4	139.4	126.8	122.8	120.1	119.2	116.0	111.5
70°	111.1	120.5	121.4	117.4	112.9	107.0	104.3	103.4	101.2	98.5	95.8
72.5°	80.1	90.8	91.3	91.3	88.6	88.6	85.9	84.6	84.6	81.9	78.7
75°	58.9	66.1	67.0	67.9	69.3	70.6	68.8	68.8	68.4	65.7	64.3
77.5°	39.1	45.4	47.7	50.8	52.6	52.6	53.5	54.4	53.5	52.2	51.3
80°	25.2	29.7	32.4	34.2	36.9	38.2	39.6	40.0	39.1	38.7	37.3
82.5°	16.6	18.0	19.3	21.6	24.7	27.0	27.0	26.5	27.4	27.0	26.5
85°	9.4	10.3	10.8	11.2	13.0	15.3	15.7	16.2	17.1	16.2	15.3
87.5°	3.6	4.0	4.0	4.0	4.9	5.4	6.7	8.5	8.1	7.2	7.2
90°	11.6	9.4	8.3	7.5	5.8	4.1	2.5	0.8	2.5	4.1	5.8
92.5°	28.8	27.8	27.3	26.8	25.8	24.7	23.7	22.7	23.7	24.7	25.8
95°	52.0	50.7	50.0	49.4	48.2	47.1	45.9	44.7	45.9	47.1	48.2
97.5°	78.7	77.7	77.2	76.8	75.9	75.1	74.2	73.4	74.2	75.1	75.9
100°	108.8	107.9	107.5	107.0	106.0	104.9	103.9	102.9	103.9	104.9	106.0
102.5°	141.1	139.9	139.3	139.0	138.5	138.0	137.5	137.0	137.5	138.0	138.5
105°	174.1	172.6	171.8	171.6	171.3	171.0	170.6	170.3	170.6	171.0	171.3
107.5°	211.4	210.7	210.4	210.3	210.2	210.0	209.9	209.7	209.9	210.0	210.2
110°	248.0	247.7	247.5	247.3	247.0	246.7	246.3	246.0	246.3	246.7	247.0

TEST NUMBER: P1012525

CATALOG NUMBER: S123RDIP-B340D805UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	284.6	284.6	284.6	284.5	284.4	284.2	284.1	283.9	284.1	284.2	284.4
115°	323.5	323.8	324.0	323.7	323.2	322.7	322.2	321.7	322.2	322.7	323.2
117.5°	360.6	360.9	361.1	361.0	360.8	360.7	360.5	360.3	360.5	360.7	360.8
120°	399.1	400.0	400.4	399.9	398.9	397.9	396.9	395.9	396.9	397.9	398.9
122.5°	435.5	435.8	436.0	435.7	435.0	434.3	433.7	433.0	433.7	434.3	435.0
125°	472.6	472.9	473.1	472.8	472.3	471.8	471.3	470.8	471.3	471.8	472.3
127.5°	509.7	510.0	510.2	509.7	508.7	507.6	506.6	505.6	506.6	507.6	508.7
130°	545.7	546.2	546.5	545.8	544.5	543.2	541.8	540.5	541.8	543.2	544.5
132.5°	580.8	581.1	581.3	580.6	579.3	578.0	576.6	575.3	576.6	578.0	579.3
135°	615.1	615.3	615.4	614.9	613.9	612.9	611.9	610.9	611.9	612.9	613.9
137.5°	648.0	647.5	647.2	646.8	645.9	645.1	644.2	643.4	644.2	645.1	645.9
140°	681.5	681.4	681.3	680.9	680.0	679.2	678.3	677.5	678.3	679.2	680.0
142.5°	712.8	712.5	712.3	711.9	711.0	710.2	709.3	708.5	709.3	710.2	711.0
145°	743.3	742.8	742.6	742.4	742.1	741.8	741.4	741.1	741.4	741.8	742.1
147.5°	772.9	772.4	772.1	771.8	771.1	770.4	769.8	769.1	769.8	770.4	771.1
150°	800.6	800.3	800.1	799.9	799.6	799.3	798.9	798.6	798.9	799.3	799.6
152.5°	825.3	825.2	825.1	824.8	824.3	823.8	823.3	822.8	823.3	823.8	824.3
155°	848.8	848.6	848.5	848.5	848.5	848.5	848.5	848.5	848.5	848.5	848.5
157.5°	870.0	869.8	869.7	869.8	870.0	870.1	870.3	870.5	870.3	870.1	870.0
160°	889.4	889.4	889.4	889.6	889.9	890.2	890.6	890.9	890.6	890.2	889.9
162.5°	907.1	906.9	906.8	907.1	907.6	908.1	908.6	909.1	908.6	908.1	907.6
165°	922.0	922.0	922.0	922.2	922.7	923.2	923.7	924.2	923.7	923.2	922.7
167.5°	934.3	934.2	934.1	934.4	935.1	935.8	936.4	937.1	936.4	935.8	935.1
170°	944.7	944.7	944.7	945.0	945.7	946.4	947.0	947.7	947.0	946.4	945.7
172.5°	953.0	953.0	953.0	953.3	954.0	954.7	955.3	956.0	955.3	954.7	954.0
175°	958.3	958.3	958.3	958.6	959.3	960.0	960.6	961.3	960.6	960.0	959.3
177.5°	961.3	961.3	961.3	961.6	962.3	963.0	963.7	964.4	963.7	963.0	962.3
180°	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6

TEST NUMBER: P1012525

CATALOG NUMBER: S123RDIP-B340D805UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3
2.5°	518.5	516.3	515.4	513.1	507.7	504.2	500.1	497.4	497.9	495.6	497.0
5°	502.4	501.9	498.8	494.3	486.6	482.6	475.4	471.8	470.0	470.4	467.7
7.5°	488.9	484.8	482.6	475.4	468.2	459.6	453.8	450.6	447.9	445.2	443.4
10°	473.6	470.0	466.4	458.7	448.8	440.7	432.6	429.5	425.4	423.6	422.3
12.5°	457.4	455.1	450.6	441.6	430.4	422.8	413.3	411.5	406.1	402.5	401.6
15°	442.5	441.2	433.1	422.8	411.5	403.9	395.8	390.4	381.4	383.2	380.0
17.5°	426.8	421.0	416.0	402.1	396.7	385.0	375.5	372.8	366.5	362.5	358.4
20°	409.3	405.7	399.4	390.4	377.3	363.8	356.6	352.1	348.5	342.2	340.4
22.5°	392.6	388.1	382.7	371.0	359.8	348.5	338.6	334.6	330.1	325.6	322.9
25°	379.6	372.8	367.0	352.6	341.3	331.9	325.6	318.9	312.6	309.9	309.0
27.5°	359.3	355.3	349.4	336.0	325.6	315.3	309.4	304.9	298.2	295.0	292.3
30°	346.3	338.2	331.5	320.7	310.3	299.1	293.7	288.3	284.2	280.2	277.0
32.5°	328.8	322.5	317.1	306.3	295.9	285.6	279.7	271.6	269.4	266.2	262.6
35°	311.7	307.6	301.8	290.1	278.8	271.6	265.3	257.7	255.0	252.8	249.6
37.5°	295.5	289.6	285.6	274.3	264.4	255.9	251.0	244.7	242.9	240.2	237.9
40°	281.5	275.7	271.6	260.4	250.1	241.1	237.9	231.6	228.9	225.8	224.4
42.5°	265.8	260.8	255.4	247.4	236.6	227.6	221.3	217.7	214.1	212.7	210.0
45°	249.2	244.7	240.6	231.6	220.4	214.1	208.7	203.7	201.0	198.8	197.0
47.5°	234.8	230.7	225.3	215.4	206.4	200.6	195.2	190.2	187.5	184.8	182.6
50°	218.1	215.9	210.0	200.6	192.0	185.3	180.3	175.8	174.0	170.9	167.3
52.5°	203.3	199.2	194.3	186.6	179.0	170.9	164.2	161.5	158.3	156.5	153.4
55°	185.7	183.0	177.6	170.9	162.8	156.1	151.1	147.5	143.5	141.7	137.6
57.5°	170.9	166.0	163.3	154.7	147.1	140.3	136.7	133.1	128.6	125.9	124.1
60°	154.7	150.2	146.2	139.0	133.6	126.4	121.0	117.8	114.7	111.1	109.3
62.5°	139.0	135.4	130.4	124.6	117.8	112.0	107.9	103.4	101.6	98.0	96.7
65°	121.9	119.2	115.1	108.4	103.0	98.0	94.0	90.4	88.6	87.2	86.3
67.5°	106.6	103.0	100.3	94.4	88.6	84.6	82.3	80.1	77.8	76.5	75.1
70°	90.8	88.1	85.4	80.1	76.0	72.4	70.6	68.8	67.5	66.1	64.8
72.5°	74.7	73.3	70.6	67.0	63.9	61.2	59.8	57.6	56.2	54.0	53.1
75°	61.6	59.4	58.0	54.9	52.2	49.9	48.1	45.4	43.6	42.7	42.3
77.5°	48.6	47.7	45.9	43.2	41.8	39.6	36.9	36.0	35.1	35.1	34.6
80°	36.4	35.1	33.7	31.5	30.1	28.3	28.3	28.3	27.9	28.3	27.9
82.5°	24.7	23.8	22.9	21.6	21.1	21.1	21.6	21.6	21.6	21.6	21.6
85°	14.4	14.4	14.4	14.8	14.4	14.4	14.8	15.3	14.8	14.8	14.4
87.5°	6.7	6.7	7.2	7.2	7.6	7.6	7.6	7.6	7.6	7.6	8.1
90°	7.5	8.3	9.4	11.6	13.8	16.0	18.2	18.9	19.5	20.2	20.9
92.5°	26.8	27.3	27.8	28.8	29.8	30.8	31.8	32.3	32.8	33.3	33.8
95°	49.4	50.0	50.7	52.0	53.3	54.7	56.0	56.7	57.3	58.0	58.7
97.5°	76.8	77.2	77.7	78.7	79.8	80.8	81.8	82.6	83.4	84.3	85.1
100°	107.0	107.5	107.9	108.8	109.6	110.5	111.3	111.8	112.3	112.8	113.3
102.5°	139.0	139.3	139.9	141.1	142.2	143.4	144.6	145.1	145.6	146.1	146.6
105°	171.6	171.8	172.6	174.1	175.6	177.1	178.6	178.6	178.6	178.6	178.6
107.5°	210.3	210.4	210.7	211.4	212.1	212.8	213.5	214.0	214.5	215.0	215.5
110°	247.3	247.5	247.7	248.0	248.3	248.7	249.0	249.7	250.4	251.1	251.8

TEST NUMBER: P1012525

CATALOG NUMBER: S123RDIP-B340D805UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	284.5	284.6	284.6	284.6	284.6	284.6	284.6	285.4	286.3	287.1	288.0
115°	323.7	324.0	323.8	323.5	323.2	322.8	322.5	322.7	322.8	323.0	323.1
117.5°	361.0	361.1	360.9	360.6	360.3	359.9	359.6	359.6	359.6	359.6	359.6
120°	399.9	400.4	400.0	399.1	398.3	397.4	396.6	396.4	396.3	396.1	396.0
122.5°	435.7	436.0	435.8	435.5	435.2	434.8	434.5	434.0	433.5	433.0	432.5
125°	472.8	473.1	472.9	472.6	472.3	471.9	471.6	470.9	470.3	469.6	468.9
127.5°	509.7	510.2	510.0	509.7	509.4	509.0	508.7	507.7	506.7	505.6	504.6
130°	545.8	546.5	546.2	545.7	545.2	544.7	544.2	543.5	542.9	542.2	541.5
132.5°	580.6	581.3	581.1	580.8	580.5	580.1	579.8	579.0	578.1	577.3	576.4
135°	614.9	615.4	615.3	615.1	615.0	614.8	614.6	613.9	613.3	612.6	611.9
137.5°	646.8	647.2	647.5	648.0	648.5	649.0	649.5	648.7	647.8	647.0	646.1
140°	680.9	681.3	681.4	681.5	681.7	681.8	682.0	681.8	681.7	681.5	681.4
142.5°	711.9	712.3	712.5	712.8	713.1	713.5	713.8	713.6	713.4	713.3	713.1
145°	742.4	742.6	742.8	743.3	743.8	744.3	744.8	744.6	744.5	744.3	744.2
147.5°	771.8	772.1	772.4	772.9	773.4	773.9	774.4	774.4	774.4	774.4	774.4
150°	799.9	800.1	800.3	800.6	800.9	801.3	801.6	801.6	801.6	801.6	801.6
152.5°	824.8	825.1	825.2	825.3	825.5	825.6	825.8	826.1	826.5	826.8	827.1
155°	848.5	848.5	848.6	848.8	848.9	849.1	849.3	850.0	850.6	851.3	852.0
157.5°	869.8	869.7	869.8	870.0	870.1	870.3	870.5	871.2	871.8	872.5	873.2
160°	889.6	889.4	889.4	889.4	889.4	889.4	889.4	890.2	891.1	891.9	892.8
162.5°	907.1	906.8	906.9	907.1	907.2	907.4	907.6	908.4	909.3	910.1	911.0
165°	922.2	922.0	922.0	922.0	922.0	922.0	922.0	923.0	924.0	925.0	926.0
167.5°	934.4	934.1	934.2	934.3	934.5	934.6	934.8	935.8	936.8	937.9	938.9
170°	945.0	944.7	944.7	944.7	944.7	944.7	944.7	945.9	947.1	948.2	949.4
172.5°	953.3	953.0	953.0	953.0	953.0	953.0	953.0	954.0	955.0	956.0	957.0
175°	958.6	958.3	958.3	958.3	958.3	958.3	958.3	959.3	960.3	961.3	962.3
177.5°	961.6	961.3	961.3	961.3	961.3	961.3	961.3	962.3	963.3	964.4	965.4
180°	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6

TEST NUMBER: P1012525

CATALOG NUMBER: S123RDIP-B340D805UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3
2.5°	496.5	497.0	495.6	492.9	492.5	493.4	496.1	495.2	492.9	497.0	493.4
5°	469.1	466.8	465.9	466.8	464.1	462.8	465.5	464.1	465.5	465.9	467.3
7.5°	442.5	443.0	440.3	440.7	437.1	438.0	438.0	438.0	439.4	440.3	442.1
10°	419.6	420.5	417.4	417.8	415.1	413.3	414.7	417.4	417.4	417.4	418.3
12.5°	401.2	397.1	394.9	394.4	391.3	390.4	393.1	394.0	396.2	396.2	397.6
15°	378.2	377.3	375.5	375.5	367.9	369.7	370.6	373.7	378.2	374.6	375.5
17.5°	357.5	355.3	353.0	352.1	351.2	348.5	352.1	351.7	354.4	354.8	356.2
20°	339.1	337.3	332.8	333.3	334.2	330.1	332.4	332.4	335.1	337.8	340.9
22.5°	321.1	319.3	317.1	318.0	315.3	314.4	314.4	316.6	319.8	322.0	321.6
25°	307.2	304.0	302.7	301.3	300.0	300.9	299.5	301.8	304.0	305.4	304.0
27.5°	291.4	290.1	287.4	286.0	283.8	284.7	285.6	287.4	288.7	288.7	290.1
30°	276.1	274.3	273.4	272.1	272.1	270.3	270.7	272.5	273.9	275.2	277.0
32.5°	261.3	259.9	258.6	258.6	257.7	257.2	256.8	259.5	259.5	262.2	262.2
35°	249.2	246.9	246.9	244.7	245.6	245.1	244.2	246.0	246.5	248.3	247.8
37.5°	235.7	235.7	234.8	232.5	230.7	231.2	233.4	233.4	234.8	234.3	235.7
40°	222.2	221.3	221.3	219.9	219.5	219.0	219.5	219.9	222.2	221.7	222.2
42.5°	208.7	209.1	206.9	206.9	206.9	205.5	206.0	206.4	207.3	208.2	209.6
45°	195.6	194.7	194.3	193.4	192.5	192.9	192.5	194.3	193.8	194.7	196.1
47.5°	181.7	180.3	179.9	178.1	178.1	179.0	178.5	179.9	180.3	181.7	180.8
50°	168.2	166.4	165.1	165.5	162.8	163.7	163.7	165.1	166.4	166.9	167.8
52.5°	152.5	152.0	151.6	149.3	148.9	148.4	148.9	149.3	151.1	152.5	152.9
55°	137.2	136.7	134.0	133.1	131.8	131.8	132.7	133.1	136.3	136.7	138.5
57.5°	123.2	121.9	118.7	118.3	118.3	118.3	116.9	118.7	119.6	121.9	121.9
60°	107.9	107.9	105.2	105.2	105.7	105.2	105.2	105.7	105.7	107.5	108.4
62.5°	95.8	95.3	95.3	94.4	94.0	94.4	94.0	94.0	94.4	95.8	97.1
65°	85.0	84.6	84.1	83.7	82.8	82.8	83.2	84.1	84.1	85.0	85.4
67.5°	74.7	74.7	73.8	73.8	73.3	72.9	73.3	72.9	74.7	74.7	75.1
70°	64.3	63.9	62.5	62.1	60.7	61.2	61.2	62.5	63.0	63.9	64.8
72.5°	51.7	51.7	50.8	49.9	50.4	49.5	49.5	49.9	49.9	51.3	51.7
75°	42.7	41.8	41.4	41.8	41.4	42.3	41.4	41.4	42.3	42.3	42.3
77.5°	35.1	35.1	34.6	34.6	35.1	34.6	35.1	35.1	35.1	34.6	35.1
80°	28.8	28.3	28.3	28.3	27.9	27.9	27.9	27.9	27.9	27.9	27.9
82.5°	21.6	21.6	21.1	21.6	21.6	21.1	21.6	21.1	21.1	21.6	21.6
85°	14.4	15.3	14.4	14.4	14.8	14.8	15.3	14.8	15.3	14.4	14.8
87.5°	7.6	8.1	8.1	7.6	7.6	8.1	8.1	8.1	8.5	7.6	8.1
90°	21.2	21.4	21.7	22.0	22.4	22.7	22.4	22.0	21.7	21.4	21.2
92.5°	34.1	33.9	33.6	33.2	32.9	32.5	32.9	33.2	33.6	33.9	34.1
95°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
97.5°	85.5	85.4	85.3	85.1	85.0	84.8	85.0	85.1	85.3	85.4	85.5
100°	113.5	113.7	114.0	114.4	114.7	115.1	114.7	114.4	114.0	113.7	113.5
102.5°	146.8	146.7	146.6	146.4	146.3	146.1	146.3	146.4	146.6	146.7	146.8
105°	178.6	178.8	179.1	179.5	179.8	180.2	179.8	179.5	179.1	178.8	178.6
107.5°	215.7	215.6	215.5	215.3	215.2	215.0	215.2	215.3	215.5	215.6	215.7
110°	252.1	251.9	251.6	251.3	250.9	250.6	250.9	251.3	251.6	251.9	252.1

TEST NUMBER: P1012525

CATALOG NUMBER: S123RDIP-B340D805UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	288.4	288.4	288.4	288.4	288.4	288.4	288.4	288.4	288.4	288.4	288.4
115°	323.2	323.1	323.0	322.8	322.7	322.5	322.7	322.8	323.0	323.1	323.2
117.5°	359.6	359.3	358.8	358.3	357.8	357.3	357.8	358.3	358.8	359.3	359.6
120°	395.9	395.7	395.4	395.1	394.7	394.4	394.7	395.1	395.4	395.7	395.9
122.5°	432.2	431.9	431.4	430.9	430.4	429.9	430.4	430.9	431.4	431.9	432.2
125°	468.6	468.3	467.6	466.9	466.2	465.5	466.2	466.9	467.6	468.3	468.6
127.5°	504.1	503.8	503.1	502.4	501.8	501.1	501.8	502.4	503.1	503.8	504.1
130°	541.2	540.6	539.4	538.3	537.1	535.9	537.1	538.3	539.4	540.6	541.2
132.5°	576.0	575.6	574.8	573.9	573.1	572.3	573.1	573.9	574.8	575.6	576.0
135°	611.6	611.4	611.1	610.8	610.4	610.1	610.4	610.8	611.1	611.4	611.6
137.5°	645.7	645.4	644.9	644.4	643.9	643.4	643.9	644.4	644.9	645.4	645.7
140°	681.3	680.7	679.5	678.4	677.2	676.0	677.2	678.4	679.5	680.7	681.3
142.5°	713.0	712.6	711.8	710.9	710.1	709.3	710.1	710.9	711.8	712.6	713.0
145°	744.1	743.8	743.1	742.4	741.8	741.1	741.8	742.4	743.1	743.8	744.1
147.5°	774.4	773.9	772.9	771.8	770.8	769.8	770.8	771.8	772.9	773.9	774.4
150°	801.6	801.1	800.1	799.1	798.1	797.1	798.1	799.1	800.1	801.1	801.6
152.5°	827.3	826.9	826.1	825.2	824.4	823.6	824.4	825.2	826.1	826.9	827.3
155°	852.3	851.7	850.5	849.4	848.2	847.0	848.2	849.4	850.5	851.7	852.3
157.5°	873.5	873.0	872.0	871.0	870.0	869.0	870.0	871.0	872.0	873.0	873.5
160°	893.2	892.9	892.2	891.5	890.9	890.2	890.9	891.5	892.2	892.9	893.2
162.5°	911.4	910.8	909.6	908.5	907.3	906.1	907.3	908.5	909.6	910.8	911.4
165°	926.5	925.9	924.7	923.6	922.4	921.2	922.4	923.6	924.7	925.9	926.5
167.5°	939.4	938.9	937.9	936.8	935.8	934.8	935.8	936.8	937.9	938.9	939.4
170°	950.0	949.4	948.2	947.1	945.9	944.7	945.9	947.1	948.2	949.4	950.0
172.5°	957.5	956.9	955.7	954.6	953.4	952.2	953.4	954.6	955.7	956.9	957.5
175°	962.8	962.2	961.0	959.9	958.7	957.5	958.7	959.9	961.0	962.2	962.8
177.5°	965.9	965.3	964.1	963.0	961.8	960.6	961.8	963.0	964.1	965.3	965.9
180°	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6

TEST NUMBER: P1012525

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3
2.5°	497.0	498.8	497.0	493.4	497.0	499.2	501.5	505.1	506.9	506.9	509.5
5°	468.6	472.2	470.9	470.0	473.6	475.8	479.4	483.9	488.9	492.0	495.6
7.5°	443.4	445.7	447.9	447.9	451.5	456.5	461.9	467.3	473.6	478.1	480.8
10°	421.4	423.2	424.5	426.3	431.7	437.1	444.3	451.1	456.5	461.4	465.9
12.5°	400.3	403.0	406.1	407.5	411.5	418.3	425.0	433.1	441.6	446.6	451.1
15°	380.0	381.4	385.0	389.0	392.6	399.8	408.4	416.9	424.1	431.7	435.8
17.5°	359.3	359.8	369.2	367.0	378.7	385.4	389.9	398.0	409.7	416.0	422.3
20°	339.1	343.6	347.6	349.9	356.2	363.8	376.9	383.2	392.6	398.5	403.9
22.5°	323.4	330.1	330.1	335.5	338.6	345.8	355.3	367.4	377.8	381.8	389.5
25°	309.4	312.6	318.0	319.8	325.6	331.9	338.2	351.2	362.5	367.9	373.3
27.5°	291.4	295.5	302.7	302.7	310.3	317.1	324.7	333.3	344.5	352.1	358.0
30°	277.5	281.5	284.7	289.6	292.8	299.1	312.6	318.9	328.8	335.5	342.7
32.5°	264.4	267.6	270.3	275.7	279.3	286.5	293.7	304.9	313.5	319.8	327.4
35°	250.1	253.2	256.8	260.8	266.2	273.0	279.7	289.2	297.7	303.6	309.9
37.5°	236.6	238.8	244.2	246.9	251.4	257.7	266.2	276.1	283.8	288.3	294.6
40°	223.5	225.3	229.4	234.3	237.5	242.4	251.4	259.9	269.4	274.8	279.7
42.5°	209.6	211.8	215.4	220.4	225.3	230.7	235.7	245.6	254.1	258.6	264.0
45°	197.4	198.8	201.5	206.4	211.4	215.4	223.1	232.1	240.2	243.8	249.6
47.5°	183.0	184.4	188.4	190.7	196.1	201.5	209.1	218.1	225.3	228.9	234.3
50°	168.2	169.5	172.2	177.2	180.8	186.6	193.4	201.0	210.0	215.0	218.1
52.5°	153.8	156.5	158.8	162.8	167.3	173.1	179.4	186.6	194.3	199.2	202.8
55°	139.4	141.7	144.4	146.6	152.0	157.4	164.6	171.3	178.1	182.6	186.6
57.5°	123.2	126.4	129.1	133.6	137.6	142.1	150.2	155.6	163.7	166.9	170.4
60°	109.3	112.4	114.7	118.3	121.9	127.7	133.1	139.9	146.6	150.7	155.2
62.5°	97.6	98.9	100.3	103.9	107.5	112.9	118.3	125.0	132.2	134.5	138.1
65°	85.9	87.2	89.5	92.6	95.3	98.5	104.3	109.7	116.5	120.1	121.4
67.5°	76.0	77.4	77.8	80.1	82.3	85.9	89.0	94.4	100.7	103.0	105.7
70°	64.8	67.0	67.5	69.3	70.2	72.4	76.0	80.1	85.0	89.0	91.3
72.5°	51.7	54.9	55.8	58.5	59.8	62.1	64.8	67.9	71.1	72.9	74.7
75°	42.3	43.2	43.6	45.9	48.1	51.3	52.6	54.4	57.1	59.4	61.2
77.5°	35.1	35.5	36.0	36.0	36.4	38.2	40.9	43.2	45.0	45.9	47.2
80°	28.3	27.9	27.9	28.3	28.3	28.3	29.2	32.4	33.3	35.5	35.1
82.5°	22.0	21.1	21.6	21.1	21.1	21.1	21.1	21.6	21.6	22.9	23.8
85°	14.4	14.8	14.4	14.4	13.9	14.4	13.9	13.9	13.5	13.5	13.0
87.5°	7.6	8.1	7.6	7.6	7.2	7.6	7.2	7.2	6.7	6.7	5.8
90°	20.9	20.2	19.5	18.9	18.2	16.0	13.8	11.6	9.4	8.3	7.5
92.5°	33.8	33.3	32.8	32.3	31.8	30.8	29.8	28.8	27.8	27.3	26.8
95°	58.7	58.0	57.3	56.7	56.0	54.7	53.3	52.0	50.7	50.0	49.4
97.5°	85.1	84.3	83.4	82.6	81.8	80.8	79.8	78.7	77.7	77.2	76.8
100°	113.3	112.8	112.3	111.8	111.3	110.5	109.6	108.8	107.9	107.5	107.0
102.5°	146.6	146.1	145.6	145.1	144.6	143.4	142.2	141.1	139.9	139.3	139.0
105°	178.6	178.6	178.6	178.6	178.6	177.1	175.6	174.1	172.6	171.8	171.6
107.5°	215.5	215.0	214.5	214.0	213.5	212.8	212.1	211.4	210.7	210.4	210.3
110°	251.8	251.1	250.4	249.7	249.0	248.7	248.3	248.0	247.7	247.5	247.3

TEST NUMBER: P1012525

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	288.0	287.1	286.3	285.4	284.6	284.6	284.6	284.6	284.6	284.6	284.5
115°	323.1	323.0	322.8	322.7	322.5	322.8	323.2	323.5	323.8	324.0	323.7
117.5°	359.6	359.6	359.6	359.6	359.6	359.9	360.3	360.6	360.9	361.1	361.0
120°	396.0	396.1	396.3	396.4	396.6	397.4	398.3	399.1	400.0	400.4	399.9
122.5°	432.5	433.0	433.5	434.0	434.5	434.8	435.2	435.5	435.8	436.0	435.7
125°	468.9	469.6	470.3	470.9	471.6	471.9	472.3	472.6	472.9	473.1	472.8
127.5°	504.6	505.6	506.7	507.7	508.7	509.0	509.4	509.7	510.0	510.2	509.7
130°	541.5	542.2	542.9	543.5	544.2	544.7	545.2	545.7	546.2	546.5	545.8
132.5°	576.4	577.3	578.1	579.0	579.8	580.1	580.5	580.8	581.1	581.3	580.6
135°	611.9	612.6	613.3	613.9	614.6	614.8	615.0	615.1	615.3	615.4	614.9
137.5°	646.1	647.0	647.8	648.7	649.5	649.0	648.5	648.0	647.5	647.2	646.8
140°	681.4	681.5	681.7	681.8	682.0	681.8	681.7	681.5	681.4	681.3	680.9
142.5°	713.1	713.3	713.4	713.6	713.8	713.5	713.1	712.8	712.5	712.3	711.9
145°	744.2	744.3	744.5	744.6	744.8	744.3	743.8	743.3	742.8	742.6	742.4
147.5°	774.4	774.4	774.4	774.4	774.4	773.9	773.4	772.9	772.4	772.1	771.8
150°	801.6	801.6	801.6	801.6	801.6	801.3	800.9	800.6	800.3	800.1	799.9
152.5°	827.1	826.8	826.5	826.1	825.8	825.6	825.5	825.3	825.2	825.1	824.8
155°	852.0	851.3	850.6	850.0	849.3	849.1	848.9	848.8	848.6	848.5	848.5
157.5°	873.2	872.5	871.8	871.2	870.5	870.3	870.1	870.0	869.8	869.7	869.8
160°	892.8	891.9	891.1	890.2	889.4	889.4	889.4	889.4	889.4	889.4	889.6
162.5°	911.0	910.1	909.3	908.4	907.6	907.4	907.2	907.1	906.9	906.8	907.1
165°	926.0	925.0	924.0	923.0	922.0	922.0	922.0	922.0	922.0	922.0	922.2
167.5°	938.9	937.9	936.8	935.8	934.8	934.6	934.5	934.3	934.2	934.1	934.4
170°	949.4	948.2	947.1	945.9	944.7	944.7	944.7	944.7	944.7	944.7	945.0
172.5°	957.0	956.0	955.0	954.0	953.0	953.0	953.0	953.0	953.0	953.0	953.3
175°	962.3	961.3	960.3	959.3	958.3	958.3	958.3	958.3	958.3	958.3	958.6
177.5°	965.4	964.4	963.3	962.3	961.3	961.3	961.3	961.3	961.3	961.3	961.6
180°	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6

TEST NUMBER: P1012525

CATALOG NUMBER: S123RDIP-B340D805UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	525.3	525.3	525.3	525.3
2.5°	511.8	514.9	521.2	526.6
5°	501.0	506.0	515.4	524.8
7.5°	488.0	495.6	507.7	520.8
10°	475.4	485.3	500.1	515.4
12.5°	462.8	473.1	488.9	508.6
15°	447.9	458.7	477.6	501.5
17.5°	434.9	449.3	466.4	490.2
20°	421.0	431.7	453.8	479.0
22.5°	403.4	421.4	442.1	468.6
25°	389.5	405.2	425.9	456.0
27.5°	372.4	390.8	416.0	442.5
30°	358.4	373.7	397.1	429.0
32.5°	342.2	360.2	384.5	416.0
35°	327.9	343.1	366.1	398.0
37.5°	310.8	327.4	353.0	381.4
40°	295.9	312.1	336.4	362.9
42.5°	277.9	295.0	319.3	341.8
45°	263.5	279.3	298.6	319.3
47.5°	246.0	262.6	281.5	295.9
50°	230.3	245.6	260.4	272.5
52.5°	213.2	227.1	240.6	249.6
55°	197.4	208.2	219.0	225.3
57.5°	179.0	189.3	198.3	201.9
60°	162.8	171.3	177.2	181.2
62.5°	145.7	152.0	156.5	158.8
65°	129.1	133.6	135.8	138.1
67.5°	112.0	116.0	117.4	120.1
70°	94.0	98.5	99.4	100.7
72.5°	80.5	80.5	82.3	84.1
75°	64.3	65.2	66.1	66.1
77.5°	50.4	50.4	51.3	51.7
80°	36.9	37.3	37.3	36.9
82.5°	25.2	26.1	25.2	24.7
85°	13.9	15.7	14.8	14.8
87.5°	5.8	5.8	6.7	5.8
90°	5.8	4.1	2.5	0.8
92.5°	25.8	24.7	23.7	22.7
95°	48.2	47.1	45.9	44.7
97.5°	75.9	75.1	74.2	73.4
100°	106.0	104.9	103.9	102.9
102.5°	138.5	138.0	137.5	137.0
105°	171.3	171.0	170.6	170.3
107.5°	210.2	210.0	209.9	209.7
110°	247.0	246.7	246.3	246.0

TEST NUMBER: P1012525

CATALOG NUMBER: S123RDIP-B340D805UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	284.4	284.2	284.1	283.9
115°	323.2	322.7	322.2	321.7
117.5°	360.8	360.7	360.5	360.3
120°	398.9	397.9	396.9	395.9
122.5°	435.0	434.3	433.7	433.0
125°	472.3	471.8	471.3	470.8
127.5°	508.7	507.6	506.6	505.6
130°	544.5	543.2	541.8	540.5
132.5°	579.3	578.0	576.6	575.3
135°	613.9	612.9	611.9	610.9
137.5°	645.9	645.1	644.2	643.4
140°	680.0	679.2	678.3	677.5
142.5°	711.0	710.2	709.3	708.5
145°	742.1	741.8	741.4	741.1
147.5°	771.1	770.4	769.8	769.1
150°	799.6	799.3	798.9	798.6
152.5°	824.3	823.8	823.3	822.8
155°	848.5	848.5	848.5	848.5
157.5°	870.0	870.1	870.3	870.5
160°	889.9	890.2	890.6	890.9
162.5°	907.6	908.1	908.6	909.1
165°	922.7	923.2	923.7	924.2
167.5°	935.1	935.8	936.4	937.1
170°	945.7	946.4	947.0	947.7
172.5°	954.0	954.7	955.3	956.0
175°	959.3	960.0	960.6	961.3
177.5°	962.3	963.0	963.7	964.4
180°	963.6	963.6	963.6	963.6

(END OF REPORT)