

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: P1009809

Luminaire Tested: S122RDIP-B290D1080UB30-4F0-XX-W2A-A1

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1009809
REPORT IS A COMBINATION OF REPORTS P988035 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122RDIP-B290D1080UB30-4F0-XX-W2A-A1
Description: Define 2 Regressed Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

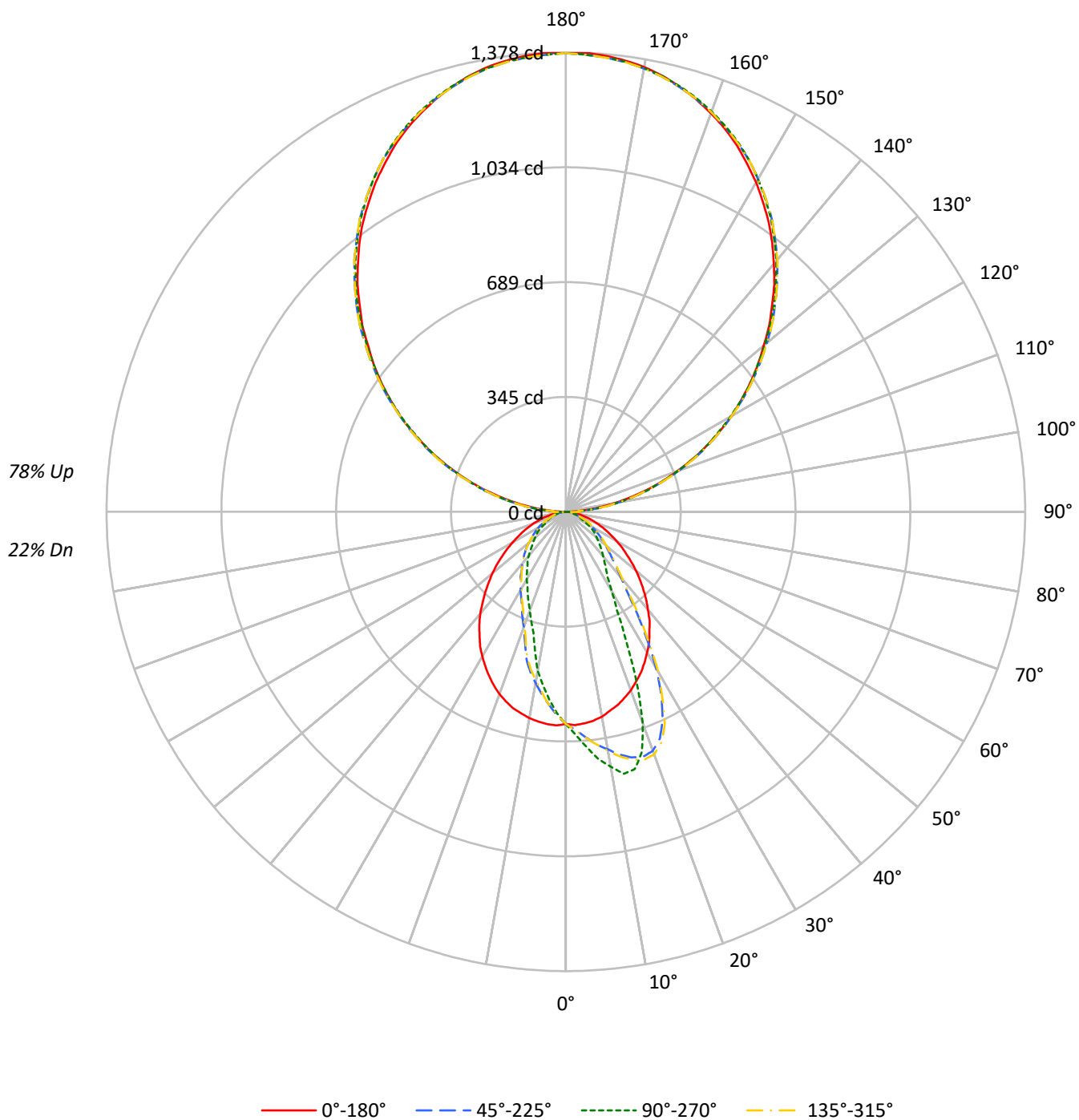
Lumens per Lamp: N/A
Luminaire Lumens: 4950.0 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 48
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	101	101	101	101	89	89	89	89	68	68	68	49	49	49	31	31	31	31	31	22
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	26	26	26	19
2	84	77	71	67	74	69	64	60	53	50	47	38	36	35	25	24	23	23	23	17
3	77	68	61	56	68	61	55	50	47	43	40	34	32	30	22	21	20	20	20	15
4	70	60	53	47	62	54	48	43	42	38	34	31	28	26	20	19	17	17	17	13
5	65	54	46	41	57	48	42	37	37	33	30	28	25	22	18	17	15	15	15	12
6	59	48	41	35	53	43	37	32	34	29	26	25	22	20	17	15	14	14	14	10
7	55	44	36	31	49	39	33	28	31	26	23	23	20	18	15	14	12	12	12	9
8	51	39	32	27	45	35	29	25	28	23	20	21	18	16	14	12	11	11	11	9
9	47	36	29	24	42	32	26	22	26	21	18	19	16	14	13	11	10	10	10	8
10	44	33	26	22	39	30	24	20	24	19	16	18	15	13	12	11	9	9	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10075	10075	10075	10075
5°	10100	10702	10135	8550
10°	9987	11313	10059	7060
15°	9772	11315	9936	5304
20°	9510	9353	9717	4376
25°	9195	5844	9394	3723
30°	8791	3743	9031	3205
35°	8299	2876	8569	2743
40°	7754	2417	8083	2399
45°	7168	2058	7467	2014
50°	6569	1749	6875	1742
55°	5905	1519	6225	1500
60°	5316	1159	5599	1145
65°	4764	871	5048	989
70°	4157	697	4482	807
75°	3513	534	3838	609
80°	2786	364	3002	399
85°	1935	188	2119	198

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 9218 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.4	1.2
10°-20°	168.5	3.4
20°-30°	216.9	4.4
30°-40°	205.8	4.2
40°-50°	176.3	3.6
50°-60°	134.3	2.7
60°-70°	84.7	1.7
70°-80°	42.3	0.9
80°-90°	14.8	0.3
90°-100°	85.1	1.7
100°-110°	270.5	5.5
110°-120°	462.9	9.4
120°-130°	608.8	12.3
130°-140°	683.4	13.8
140°-150°	670.1	13.5
150°-160°	562.1	11.4
160°-170°	372.8	7.5
170°-180°	130.3	2.6
0°-30°	445.8	9.0
0°-40°	651.5	13.2
0°-60°	962.2	19.4
0°-90°	1103.9	22.3
90°-120°	818.5	16.5
90°-150°	2780.8	56.2
90°-180°	3846.0	77.7
0°-180°	4950.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	636	636	636	636	636	
5°	637	708	639	566	637	60
15°	600	799	610	375	600	169
25°	533	426	544	272	533	245
35°	437	210	451	200	437	273
45°	328	146	342	143	328	253
55°	222	101	234	100	222	200
65°	134	53	142	60	134	133
75°	63	28	69	32	63	68
85°	14	8	15	8	14	16
90°	1	40	1	40	1	5
95°	60	72	60	72	60	67
105°	250	258	250	258	250	264
115°	464	464	464	464	464	459
125°	676	678	676	678	676	604
135°	874	885	874	885	874	675
145°	1061	1073	1061	1073	1061	663
155°	1213	1222	1213	1222	1213	558
165°	1320	1321	1320	1321	1320	372
175°	1373	1369	1373	1369	1373	130
180°	1376	1376	1376	1376	1376	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	640.5	643.2	644.5	646.3	650.2	652.9	656.9	657.8	657.3	659.1	654.2
5°	637.0	642.7	648.0	652.5	659.5	664.0	668.8	674.6	675.9	682.5	678.6
7.5°	632.1	640.5	648.0	656.9	667.5	673.2	680.8	689.6	693.6	701.6	703.8
10°	624.1	636.1	648.9	658.2	672.8	683.0	690.1	704.2	713.5	725.4	723.7
12.5°	611.3	626.8	644.0	659.5	678.6	685.2	698.5	713.1	725.0	736.1	745.8
15°	600.3	618.0	637.0	656.0	677.7	690.1	703.3	722.3	735.2	754.6	763.0
17.5°	585.2	607.8	630.3	651.6	677.2	691.4	707.7	726.3	745.3	763.9	770.6
20°	569.7	594.1	618.4	647.1	676.3	690.1	706.9	729.9	748.4	763.0	763.0
22.5°	551.2	580.8	608.7	636.1	667.9	687.8	705.1	732.1	745.3	748.4	736.5
25°	532.6	562.2	592.7	626.8	663.1	680.8	700.2	725.4	729.9	717.5	686.5
27.5°	510.5	543.6	578.1	614.9	652.9	675.0	692.7	709.5	701.1	667.9	619.7
30°	487.9	523.7	562.7	597.6	643.6	664.0	679.0	683.9	657.3	603.4	541.0
32.5°	464.5	499.4	540.5	582.6	629.0	648.5	658.2	645.4	596.7	528.6	452.5
35°	437.0	476.4	519.3	563.1	609.1	623.7	629.5	598.0	535.7	447.6	372.0
37.5°	412.3	451.6	497.6	542.3	587.0	594.9	589.2	540.1	460.9	373.8	299.9
40°	383.1	425.1	470.2	520.2	556.9	559.1	545.0	481.3	383.1	301.2	255.7
42.5°	356.1	398.5	443.7	494.5	522.4	514.9	495.9	412.3	319.8	259.7	222.9
45°	328.2	368.5	417.1	462.2	482.2	464.5	435.7	346.8	268.5	223.4	195.1
47.5°	301.2	338.8	387.0	430.4	433.9	414.0	380.0	290.6	232.7	196.4	173.4
50°	274.7	312.3	357.4	393.2	389.7	362.3	323.8	252.6	202.1	173.4	154.4
52.5°	248.2	282.2	326.0	354.3	339.3	312.7	274.7	214.1	176.5	151.3	136.7
55°	221.6	253.5	291.1	314.5	290.6	260.1	233.1	183.6	153.0	132.7	121.6
57.5°	199.5	224.7	259.2	273.4	244.6	220.7	197.3	157.9	132.7	118.1	105.3
60°	175.2	198.2	226.5	234.9	205.2	185.8	165.9	133.6	113.7	100.9	92.4
62.5°	154.4	173.4	195.1	195.1	169.0	154.4	139.3	111.9	95.5	85.4	81.4
65°	134.0	147.7	163.2	161.5	139.3	126.5	114.6	92.4	80.1	73.0	69.0
67.5°	114.1	124.7	134.9	128.7	112.8	101.7	90.7	74.8	66.4	61.5	56.2
70°	96.0	104.4	109.7	104.0	88.0	78.7	70.8	60.2	53.5	47.3	44.2
72.5°	80.5	84.0	85.8	78.7	65.5	60.2	54.4	46.9	41.1	38.0	37.2
75°	62.8	65.9	64.6	59.3	48.2	44.2	39.8	34.5	33.2	31.4	30.5
77.5°	49.1	49.1	46.9	42.0	34.5	31.4	29.6	27.0	25.7	25.2	24.3
80°	34.9	34.5	33.2	27.9	23.4	21.7	21.7	19.9	19.5	18.6	18.6
82.5°	23.0	23.0	21.2	16.8	15.5	15.0	14.6	13.7	13.7	13.3	13.3
85°	13.7	12.8	10.6	9.3	8.8	8.8	8.4	8.0	8.4	8.0	8.0
87.5°	6.2	4.9	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
90°	1.2	4.3	7.4	10.5	13.6	15.1	17.9	23.6	29.3	34.9	40.6
92.5°	25.5	27.6	29.6	31.7	33.8	34.8	34.9	35.2	35.5	35.7	36.0
95°	60.4	63.0	65.6	68.1	70.7	72.0	72.3	72.8	73.3	73.8	74.3
97.5°	101.0	103.3	105.6	107.9	110.2	111.4	111.9	113.0	114.0	115.1	116.1
100°	147.4	149.5	151.5	153.6	155.7	156.7	157.1	157.9	158.6	159.4	160.2
102.5°	196.2	197.8	199.3	200.9	202.4	203.2	203.7	204.7	205.8	206.8	207.8
105°	249.6	250.4	251.2	251.9	252.7	253.1	253.4	253.9	254.4	254.9	255.4
107.5°	303.0	304.0	305.0	306.1	307.1	307.6	307.6	307.6	307.6	307.6	307.6
110°	354.1	355.6	357.2	358.7	360.2	361.0	361.0	361.0	361.0	361.0	361.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	409.8	411.4	412.9	414.5	416.0	416.8	416.7	416.4	416.1	415.9	415.6
115°	464.4	465.9	467.5	469.0	470.5	471.3	471.0	470.5	470.0	469.5	469.0
117.5°	518.9	521.0	523.0	525.1	527.2	528.2	527.6	526.3	525.0	523.7	522.4
120°	573.5	575.6	577.6	579.7	581.8	582.8	581.8	579.7	577.6	575.6	573.5
122.5°	623.4	626.0	628.6	631.1	633.7	635.0	634.4	633.1	631.8	630.5	629.2
125°	675.6	677.9	680.3	682.6	684.9	686.1	685.7	684.9	684.2	683.4	682.6
127.5°	726.7	729.5	732.4	735.2	738.1	739.5	739.0	737.9	736.9	735.8	734.8
130°	774.3	777.7	781.0	784.4	787.7	789.4	789.1	788.6	788.1	787.6	787.1
132.5°	827.7	830.3	832.9	835.4	838.0	839.3	839.4	839.7	840.0	840.2	840.5
135°	874.2	877.0	879.8	882.7	885.5	886.9	887.2	887.7	888.2	888.7	889.2
137.5°	925.2	927.5	929.9	932.2	934.5	935.7	936.0	936.5	937.0	937.5	938.0
140°	970.5	972.8	975.2	977.5	979.8	981.0	981.6	982.9	984.2	985.5	986.8
142.5°	1016.9	1019.2	1021.6	1023.9	1026.2	1027.4	1027.8	1028.6	1029.3	1030.1	1030.9
145°	1061.1	1062.9	1064.7	1066.5	1068.3	1069.2	1070.0	1071.5	1073.0	1074.6	1076.1
147.5°	1100.5	1102.8	1105.2	1107.5	1109.8	1111.0	1111.5	1112.5	1113.6	1114.6	1115.6
150°	1141.2	1142.7	1144.3	1145.8	1147.3	1148.1	1148.6	1149.7	1150.7	1151.8	1152.8
152.5°	1177.1	1178.7	1180.2	1181.8	1183.3	1184.1	1184.7	1186.0	1187.3	1188.6	1189.9
155°	1213.1	1213.9	1214.7	1215.4	1216.2	1216.6	1217.0	1217.8	1218.5	1219.3	1220.1
157.5°	1244.5	1245.0	1245.5	1246.0	1246.5	1246.8	1247.1	1247.6	1248.1	1248.6	1249.1
160°	1272.3	1272.8	1273.4	1273.9	1274.4	1274.7	1274.8	1275.1	1275.3	1275.6	1275.8
162.5°	1297.9	1297.9	1297.9	1297.9	1297.9	1297.9	1298.0	1298.3	1298.5	1298.8	1299.0
165°	1319.9	1319.7	1319.4	1319.2	1318.9	1318.8	1318.8	1318.8	1318.8	1318.8	1318.8
167.5°	1339.7	1338.9	1338.1	1337.4	1336.6	1336.2	1336.2	1336.2	1336.2	1336.2	1336.2
170°	1354.8	1354.0	1353.2	1352.5	1351.7	1351.3	1351.2	1350.9	1350.6	1350.4	1350.1
172.5°	1365.2	1364.4	1363.6	1362.9	1362.1	1361.7	1361.6	1361.3	1361.1	1360.8	1360.6
175°	1373.3	1372.5	1371.8	1371.0	1370.3	1369.9	1369.6	1369.1	1368.6	1368.0	1367.5
177.5°	1378.0	1377.2	1376.4	1375.7	1374.9	1374.5	1374.2	1373.7	1373.2	1372.7	1372.2
180°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	659.1	660.0	661.3	667.5	668.4	670.1	669.3	669.3	669.7	668.8	669.3
5°	687.4	688.7	695.4	702.9	704.6	702.9	705.1	708.2	708.2	708.2	707.3
7.5°	713.9	718.8	726.3	737.4	739.6	741.8	745.8	743.1	744.0	748.0	746.7
10°	739.6	746.7	755.1	764.4	769.2	772.3	774.1	778.1	787.4	776.8	780.7
12.5°	763.9	774.1	782.9	793.1	796.7	800.6	802.0	805.5	805.5	805.1	808.2
15°	779.8	789.1	797.1	803.7	804.6	803.7	802.8	803.3	804.6	799.3	802.4
17.5°	783.4	784.3	786.9	784.3	784.7	775.4	770.1	768.8	756.4	756.8	767.0
20°	766.1	751.1	747.1	732.5	723.7	699.8	698.9	692.3	666.2	674.1	672.4
22.5°	718.8	693.1	659.1	642.3	633.9	608.7	589.2	575.5	566.2	556.9	552.9
25°	656.4	614.9	566.6	533.5	528.6	505.2	469.3	452.5	432.6	426.4	437.0
27.5°	575.9	522.0	467.6	416.7	407.4	386.2	368.0	356.1	333.1	331.8	332.6
30°	466.7	412.3	366.7	333.5	310.5	300.8	288.8	280.0	270.7	274.3	275.1
32.5°	383.5	331.8	289.3	271.6	261.0	254.8	244.6	238.9	234.9	233.6	233.1
35°	304.8	270.3	251.2	234.0	227.8	223.4	215.9	213.2	209.7	210.1	210.1
37.5°	261.0	232.2	218.1	209.2	203.5	201.3	196.4	193.7	191.5	190.6	192.0
40°	225.2	205.2	196.4	188.4	183.6	182.7	180.0	176.9	174.3	174.7	176.1
42.5°	199.1	187.6	176.9	170.7	167.2	165.9	163.7	161.5	161.5	160.1	159.7
45°	178.3	169.0	160.1	154.4	152.2	150.4	147.7	147.3	145.5	146.0	146.4
47.5°	159.7	152.2	145.5	139.8	137.6	137.1	134.5	132.7	132.7	132.3	131.8
50°	142.9	135.4	129.6	126.5	123.4	122.5	122.1	121.6	120.8	120.8	121.2
52.5°	129.2	121.6	117.2	114.6	112.8	111.9	111.9	111.5	111.5	111.5	111.0
55°	114.1	107.9	104.4	103.5	102.6	102.2	101.7	100.9	100.4	101.3	100.4
57.5°	100.0	97.8	94.7	93.8	91.6	91.6	90.2	89.4	88.5	89.4	89.4
60°	88.9	85.8	84.0	81.4	79.6	77.9	75.6	75.2	74.3	73.9	73.4
62.5°	77.4	74.8	70.3	66.4	63.7	61.9	61.0	60.6	60.6	60.2	60.2
65°	64.6	58.4	56.2	54.9	54.4	54.0	53.1	52.6	53.1	52.6	53.1
67.5°	50.4	49.5	48.2	47.3	46.9	46.4	46.4	46.0	46.0	46.0	46.0
70°	43.8	41.6	41.1	40.3	40.3	39.8	39.8	39.8	39.8	39.4	40.3
72.5°	36.3	34.9	34.5	34.1	34.1	34.1	33.6	33.6	33.6	33.2	33.6
75°	29.6	29.2	28.3	28.3	27.9	28.3	27.9	27.9	27.4	27.9	27.9
77.5°	23.9	23.4	23.0	23.0	22.6	22.6	22.6	22.6	22.6	22.6	23.0
80°	18.1	17.7	17.3	17.7	17.3	17.7	17.3	17.3	17.7	17.3	17.3
82.5°	13.3	12.8	12.8	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
85°	8.0	7.5	7.5	8.0	7.5	8.0	7.5	7.5	7.5	8.0	8.0
87.5°	3.5	4.0	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.0
90°	40.1	39.6	39.1	38.6	38.3	38.4	38.7	39.0	39.2	39.5	39.2
92.5°	36.2	36.5	36.7	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1
95°	74.3	74.3	74.3	74.3	74.3	74.0	73.5	73.0	72.5	72.0	72.5
97.5°	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1
100°	160.2	160.2	160.2	160.2	160.2	160.1	159.8	159.5	159.3	159.0	159.3
102.5°	208.1	208.3	208.6	208.9	209.0	208.9	208.6	208.3	208.1	207.8	208.1
105°	255.9	256.4	256.9	257.4	257.7	257.7	257.7	257.7	257.7	257.7	257.7
107.5°	307.9	308.1	308.4	308.7	308.8	308.2	306.9	305.6	304.3	303.0	304.3
110°	361.0	361.0	361.0	361.0	361.0	360.6	359.9	359.1	358.4	357.6	358.4

TEST NUMBER: P1009809

CATALOG NUMBER: S122RDIP-B290D1080UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	414.8	414.0	413.3	412.5	412.1	411.8	411.3	410.8	410.3	409.8	410.3
115°	468.7	468.5	468.2	467.9	467.8	467.4	466.7	465.9	465.2	464.4	465.2
117.5°	521.6	520.8	520.1	519.3	518.9	518.5	517.7	517.0	516.2	515.4	516.2
120°	573.5	573.5	573.5	573.5	573.5	573.1	572.3	571.6	570.8	570.0	570.8
122.5°	628.4	627.6	626.9	626.1	625.7	625.4	624.9	624.4	623.9	623.4	623.9
125°	681.8	681.0	680.3	679.5	679.1	679.0	678.7	678.5	678.2	678.0	678.2
127.5°	733.8	732.8	731.7	730.7	730.2	729.8	729.0	728.3	727.5	726.7	727.5
130°	786.6	786.1	785.6	785.1	784.8	784.3	783.2	782.2	781.1	780.1	781.1
132.5°	839.2	837.9	836.6	835.3	834.7	834.3	833.5	832.8	832.0	831.2	832.0
135°	889.0	888.7	888.5	888.2	888.1	887.7	886.9	886.2	885.4	884.6	885.4
137.5°	937.7	937.5	937.2	936.9	936.8	936.3	935.3	934.2	933.2	932.2	933.2
140°	986.8	986.8	986.8	986.8	986.8	986.3	985.2	984.2	983.1	982.1	983.1
142.5°	1031.1	1031.4	1031.6	1031.9	1032.0	1031.5	1030.5	1029.4	1028.4	1027.4	1028.4
145°	1076.4	1076.6	1076.9	1077.2	1077.3	1076.8	1075.8	1074.7	1073.7	1072.7	1073.7
147.5°	1116.1	1116.6	1117.1	1117.6	1117.9	1117.4	1116.4	1115.3	1114.3	1113.3	1114.3
150°	1153.6	1154.4	1155.1	1155.9	1156.3	1155.9	1155.1	1154.4	1153.6	1152.8	1153.6
152.5°	1190.9	1192.0	1193.0	1194.1	1194.6	1194.1	1193.0	1192.0	1190.9	1189.9	1190.9
155°	1221.4	1222.7	1224.0	1225.3	1225.9	1225.5	1224.7	1224.0	1223.2	1222.4	1223.2
157.5°	1250.9	1252.7	1254.5	1256.3	1257.2	1256.6	1255.3	1254.0	1252.7	1251.4	1252.7
160°	1277.4	1278.9	1280.5	1282.0	1282.8	1282.3	1281.2	1280.2	1279.1	1278.1	1279.1
162.5°	1300.8	1302.6	1304.5	1306.3	1307.2	1306.6	1305.3	1304.0	1302.7	1301.4	1302.7
165°	1320.6	1322.4	1324.2	1326.0	1326.9	1326.3	1325.0	1323.7	1322.4	1321.1	1322.4
167.5°	1338.0	1339.8	1341.6	1343.4	1344.3	1343.7	1342.4	1341.1	1339.8	1338.5	1339.8
170°	1351.9	1353.7	1355.5	1357.3	1358.2	1357.4	1355.9	1354.4	1352.8	1351.3	1352.8
172.5°	1362.4	1364.2	1366.0	1367.8	1368.7	1367.9	1366.4	1364.8	1363.3	1361.7	1363.3
175°	1369.3	1371.1	1373.0	1374.8	1375.7	1374.9	1373.4	1371.8	1370.3	1368.7	1370.3
177.5°	1373.7	1375.3	1376.8	1378.3	1379.1	1378.3	1376.8	1375.3	1373.7	1372.2	1373.7
180°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7

TEST NUMBER: P1009809

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	671.0	667.9	667.0	667.9	667.0	667.5	664.4	652.9	656.0	651.1	653.8
5°	709.1	706.4	700.7	699.8	698.9	698.0	693.6	683.4	679.4	672.8	672.4
7.5°	745.3	745.3	740.9	737.8	733.8	730.7	725.0	710.0	703.8	695.8	691.4
10°	781.2	769.7	774.5	771.4	761.7	759.9	749.3	740.5	728.5	720.6	713.5
12.5°	806.8	803.3	798.9	796.2	793.6	787.8	780.7	758.2	752.0	736.1	728.1
15°	805.9	803.7	805.1	805.1	804.2	802.8	797.1	780.7	770.1	754.6	740.9
17.5°	762.6	768.3	774.1	778.1	786.9	790.9	796.2	786.5	779.8	766.6	752.0
20°	687.0	701.1	717.9	721.5	729.4	752.9	763.5	771.9	774.5	770.1	758.2
22.5°	581.7	593.6	634.3	633.4	644.9	672.8	703.8	729.0	748.9	759.9	755.5
25°	455.6	472.4	494.1	510.5	548.1	589.6	628.1	668.4	702.9	733.4	740.9
27.5°	344.6	366.7	384.0	405.6	424.6	473.7	523.3	586.1	626.4	684.3	714.4
30°	278.7	288.8	306.1	316.3	325.6	363.2	419.3	481.3	552.0	618.8	670.6
32.5°	238.0	245.1	257.9	262.3	272.0	297.3	332.6	389.3	462.2	543.2	611.3
35°	213.7	221.2	223.8	227.8	235.8	251.7	276.0	317.2	383.1	462.2	543.6
37.5°	192.9	196.8	204.4	207.0	209.7	221.6	238.0	266.7	310.5	375.5	465.8
40°	178.3	180.5	184.5	186.7	188.4	196.8	211.4	230.9	263.2	312.7	395.9
42.5°	162.8	165.4	168.1	170.7	173.0	179.6	188.4	207.0	228.7	266.3	326.4
45°	147.7	149.5	152.6	154.4	157.5	162.8	170.7	183.6	203.0	226.9	275.6
47.5°	134.0	136.2	137.6	139.8	142.0	147.7	155.3	163.7	179.6	203.0	238.4
50°	121.6	124.3	126.1	126.5	128.3	133.6	139.8	149.1	159.2	177.4	208.3
52.5°	112.8	113.2	114.6	116.3	115.9	119.0	124.7	131.8	142.4	157.0	179.6
55°	102.6	104.0	104.8	105.3	105.3	107.9	111.0	117.7	126.1	138.0	157.0
57.5°	89.8	91.1	93.8	94.7	96.0	97.3	98.6	103.1	110.1	121.6	137.1
60°	76.5	77.4	80.1	81.8	82.7	86.3	88.0	91.6	95.5	104.0	118.5
62.5°	61.5	62.4	63.7	65.5	67.2	72.5	77.0	80.5	83.6	89.4	101.3
65°	53.5	54.0	54.9	55.3	55.7	57.9	61.9	66.8	72.5	77.0	84.0
67.5°	46.4	46.9	47.3	48.2	48.7	49.1	50.9	52.2	57.9	64.1	69.4
70°	39.8	40.7	41.1	41.1	41.6	42.5	43.3	45.1	46.9	50.0	56.6
72.5°	33.6	34.1	34.9	34.9	34.9	35.8	36.7	37.6	38.5	40.3	42.9
75°	27.9	28.8	28.8	28.8	29.2	29.2	30.1	31.0	31.8	33.2	34.1
77.5°	23.0	23.0	23.0	23.0	23.4	23.4	23.9	24.8	25.2	25.7	26.5
80°	17.3	17.7	17.7	17.7	18.1	18.1	18.1	19.0	19.5	19.5	20.3
82.5°	12.8	12.8	12.8	13.3	12.8	13.3	13.3	13.7	13.3	13.7	14.2
85°	8.0	8.0	8.0	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.8
87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.4	4.0	4.0
90°	39.0	38.7	38.4	38.3	38.6	39.1	39.6	40.1	40.6	34.9	29.3
92.5°	37.1	37.1	37.1	37.1	37.0	36.7	36.5	36.2	36.0	35.7	35.5
95°	73.0	73.5	74.0	74.3	74.3	74.3	74.3	74.3	74.3	73.8	73.3
97.5°	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	115.1	114.0
100°	159.5	159.8	160.1	160.2	160.2	160.2	160.2	160.2	160.2	159.4	158.6
102.5°	208.3	208.6	208.9	209.0	208.9	208.6	208.3	208.1	207.8	206.8	205.8
105°	257.7	257.7	257.7	257.7	257.4	256.9	256.4	255.9	255.4	254.9	254.4
107.5°	305.6	306.9	308.2	308.8	308.7	308.4	308.1	307.9	307.6	307.6	307.6
110°	359.1	359.9	360.6	361.0	361.0	361.0	361.0	361.0	361.0	361.0	361.0

TEST NUMBER: P1009809

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	410.8	411.3	411.8	412.1	412.5	413.3	414.0	414.8	415.6	415.9	416.1
115°	465.9	466.7	467.4	467.8	467.9	468.2	468.5	468.7	469.0	469.5	470.0
117.5°	517.0	517.7	518.5	518.9	519.3	520.1	520.8	521.6	522.4	523.7	525.0
120°	571.6	572.3	573.1	573.5	573.5	573.5	573.5	573.5	573.5	575.6	577.6
122.5°	624.4	624.9	625.4	625.7	626.1	626.9	627.6	628.4	629.2	630.5	631.8
125°	678.5	678.7	679.0	679.1	679.5	680.3	681.0	681.8	682.6	683.4	684.2
127.5°	728.3	729.0	729.8	730.2	730.7	731.7	732.8	733.8	734.8	735.8	736.9
130°	782.2	783.2	784.3	784.8	785.1	785.6	786.1	786.6	787.1	787.6	788.1
132.5°	832.8	833.5	834.3	834.7	835.3	836.6	837.9	839.2	840.5	840.2	840.0
135°	886.2	886.9	887.7	888.1	888.2	888.5	888.7	889.0	889.2	888.7	888.2
137.5°	934.2	935.3	936.3	936.8	936.9	937.2	937.5	937.7	938.0	937.5	937.0
140°	984.2	985.2	986.3	986.8	986.8	986.8	986.8	986.8	986.8	985.5	984.2
142.5°	1029.4	1030.5	1031.5	1032.0	1031.9	1031.6	1031.4	1031.1	1030.9	1030.1	1029.3
145°	1074.7	1075.8	1076.8	1077.3	1077.2	1076.9	1076.6	1076.4	1076.1	1074.6	1073.0
147.5°	1115.3	1116.4	1117.4	1117.9	1117.6	1117.1	1116.6	1116.1	1115.6	1114.6	1113.6
150°	1154.4	1155.1	1155.9	1156.3	1155.9	1155.1	1154.4	1153.6	1152.8	1151.8	1150.7
152.5°	1192.0	1193.0	1194.1	1194.6	1194.1	1193.0	1192.0	1190.9	1189.9	1188.6	1187.3
155°	1224.0	1224.7	1225.5	1225.9	1225.3	1224.0	1222.7	1221.4	1220.1	1219.3	1218.5
157.5°	1254.0	1255.3	1256.6	1257.2	1256.3	1254.5	1252.7	1250.9	1249.1	1248.6	1248.1
160°	1280.2	1281.2	1282.3	1282.8	1282.0	1280.5	1278.9	1277.4	1275.8	1275.6	1275.3
162.5°	1304.0	1305.3	1306.6	1307.2	1306.3	1304.5	1302.6	1300.8	1299.0	1298.8	1298.5
165°	1323.7	1325.0	1326.3	1326.9	1326.0	1324.2	1322.4	1320.6	1318.8	1318.8	1318.8
167.5°	1341.1	1342.4	1343.7	1344.3	1343.4	1341.6	1339.8	1338.0	1336.2	1336.2	1336.2
170°	1354.4	1355.9	1357.4	1358.2	1357.3	1355.5	1353.7	1351.9	1350.1	1350.4	1350.6
172.5°	1364.8	1366.4	1367.9	1368.7	1367.8	1366.0	1364.2	1362.4	1360.6	1360.8	1361.1
175°	1371.8	1373.4	1374.9	1375.7	1374.8	1373.0	1371.1	1369.3	1367.5	1368.0	1368.6
177.5°	1375.3	1376.8	1378.3	1379.1	1378.3	1376.8	1375.3	1373.7	1372.2	1372.7	1373.2
180°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7

TEST NUMBER: P1009809

CATALOG NUMBER: S122RDIP-B290D1080UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	649.8	647.6	647.6	646.3	646.3	639.2	639.2	641.4	638.7	635.6	631.2
5°	666.6	661.7	660.4	658.6	652.9	644.0	640.5	639.2	633.9	627.2	619.7
7.5°	682.5	674.6	670.6	666.6	659.1	646.7	639.6	634.8	626.8	616.6	606.9
10°	698.0	687.8	677.7	672.8	662.2	646.7	636.5	628.6	617.1	603.4	589.6
12.5°	712.2	690.9	689.2	679.4	664.0	646.3	630.8	619.3	604.7	588.8	572.8
15°	724.6	702.9	692.3	683.4	663.1	641.0	624.6	610.4	591.0	572.8	553.4
17.5°	730.7	707.3	700.2	685.6	664.8	636.1	614.0	596.7	575.5	553.8	531.7
20°	736.9	709.5	698.0	687.8	659.5	626.8	602.0	582.1	558.7	533.0	508.7
22.5°	740.0	709.5	695.8	681.6	654.2	616.6	587.4	564.0	536.6	510.5	481.3
25°	734.7	706.9	690.5	675.9	644.9	604.2	570.6	544.1	514.9	485.2	455.6
27.5°	721.5	700.7	681.6	666.6	632.1	588.3	552.9	522.8	492.8	459.6	429.5
30°	696.7	687.4	672.4	655.5	618.0	574.2	532.1	501.2	468.0	434.8	403.4
32.5°	658.2	666.2	656.4	641.8	601.1	554.7	510.0	478.6	442.3	406.5	377.8
35°	611.3	639.6	634.3	624.1	583.4	533.9	489.2	451.2	414.9	378.6	349.9
37.5°	560.0	602.9	607.3	601.1	563.1	512.7	463.6	426.4	389.3	352.5	323.4
40°	489.7	555.6	569.7	572.4	541.9	487.0	435.7	399.4	362.7	326.9	291.5
42.5°	425.1	508.2	525.9	537.0	514.9	461.8	410.0	369.8	333.5	301.2	265.8
45°	364.5	451.2	479.9	494.1	484.4	433.1	379.5	341.9	308.8	279.1	245.1
47.5°	302.1	389.3	429.5	452.1	452.1	403.9	350.3	313.2	281.3	256.1	226.0
50°	260.5	333.1	374.7	404.3	412.3	374.2	323.8	287.5	257.4	230.0	207.0
52.5°	222.1	287.1	321.6	352.5	375.5	342.4	294.2	261.4	231.8	206.1	188.0
55°	192.0	240.6	272.0	306.1	331.8	310.1	265.4	233.6	207.9	186.7	171.2
57.5°	163.2	205.7	231.3	261.4	288.8	272.5	236.7	209.2	186.7	168.1	154.4
60°	138.9	173.4	193.3	216.7	250.8	239.3	209.7	184.5	166.3	149.5	138.0
62.5°	118.1	145.5	162.3	179.1	210.1	204.8	181.8	162.3	146.9	132.7	123.0
65°	96.9	119.4	132.7	147.3	172.1	174.3	155.7	142.0	127.8	115.5	106.6
67.5°	78.3	96.0	107.9	120.3	140.2	146.4	133.6	122.1	110.1	100.0	92.0
70°	63.3	75.6	84.5	94.2	110.6	118.1	111.5	103.5	93.8	85.4	78.3
72.5°	50.0	57.9	63.3	70.8	84.0	91.6	91.1	84.0	77.0	71.2	65.5
75°	36.7	42.9	47.3	52.2	62.8	69.9	71.7	68.6	61.5	57.1	52.6
77.5°	27.9	31.4	33.6	37.2	44.7	50.9	53.5	52.6	47.8	44.2	41.1
80°	21.2	22.1	23.0	24.3	30.5	36.3	38.0	37.6	34.9	33.6	30.1
82.5°	15.0	15.5	15.9	16.4	18.6	23.4	25.2	26.1	23.9	22.6	19.5
85°	8.8	9.3	9.3	10.2	10.6	11.9	15.0	15.0	14.6	12.8	12.4
87.5°	4.4	4.4	4.0	4.0	4.4	4.9	5.8	6.6	5.8	5.3	4.9
90°	23.6	17.9	15.1	13.6	10.5	7.4	4.3	1.2	4.3	7.4	10.5
92.5°	35.2	34.9	34.8	33.8	31.7	29.6	27.6	25.5	27.6	29.6	31.7
95°	72.8	72.3	72.0	70.7	68.1	65.6	63.0	60.4	63.0	65.6	68.1
97.5°	113.0	111.9	111.4	110.2	107.9	105.6	103.3	101.0	103.3	105.6	107.9
100°	157.9	157.1	156.7	155.7	153.6	151.5	149.5	147.4	149.5	151.5	153.6
102.5°	204.7	203.7	203.2	202.4	200.9	199.3	197.8	196.2	197.8	199.3	200.9
105°	253.9	253.4	253.1	252.7	251.9	251.2	250.4	249.6	250.4	251.2	251.9
107.5°	307.6	307.6	307.6	307.1	306.1	305.0	304.0	303.0	304.0	305.0	306.1
110°	361.0	361.0	361.0	360.2	358.7	357.2	355.6	354.1	355.6	357.2	358.7

TEST NUMBER: P1009809

CATALOG NUMBER: S122RDIP-B290D1080UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	416.4	416.7	416.8	416.0	414.5	412.9	411.4	409.8	411.4	412.9	414.5
115°	470.5	471.0	471.3	470.5	469.0	467.5	465.9	464.4	465.9	467.5	469.0
117.5°	526.3	527.6	528.2	527.2	525.1	523.0	521.0	518.9	521.0	523.0	525.1
120°	579.7	581.8	582.8	581.8	579.7	577.6	575.6	573.5	575.6	577.6	579.7
122.5°	633.1	634.4	635.0	633.7	631.1	628.6	626.0	623.4	626.0	628.6	631.1
125°	684.9	685.7	686.1	684.9	682.6	680.3	677.9	675.6	677.9	680.3	682.6
127.5°	737.9	739.0	739.5	738.1	735.2	732.4	729.5	726.7	729.5	732.4	735.2
130°	788.6	789.1	789.4	787.7	784.4	781.0	777.7	774.3	777.7	781.0	784.4
132.5°	839.7	839.4	839.3	838.0	835.4	832.9	830.3	827.7	830.3	832.9	835.4
135°	887.7	887.2	886.9	885.5	882.7	879.8	877.0	874.2	877.0	879.8	882.7
137.5°	936.5	936.0	935.7	934.5	932.2	929.9	927.5	925.2	927.5	929.9	932.2
140°	982.9	981.6	981.0	979.8	977.5	975.2	972.8	970.5	972.8	975.2	977.5
142.5°	1028.6	1027.8	1027.4	1026.2	1023.9	1021.6	1019.2	1016.9	1019.2	1021.6	1023.9
145°	1071.5	1070.0	1069.2	1068.3	1066.5	1064.7	1062.9	1061.1	1062.9	1064.7	1066.5
147.5°	1112.5	1111.5	1111.0	1109.8	1107.5	1105.2	1102.8	1100.5	1102.8	1105.2	1107.5
150°	1149.7	1148.6	1148.1	1147.3	1145.8	1144.3	1142.7	1141.2	1142.7	1144.3	1145.8
152.5°	1186.0	1184.7	1184.1	1183.3	1181.8	1180.2	1178.7	1177.1	1178.7	1180.2	1181.8
155°	1217.8	1217.0	1216.6	1216.2	1215.4	1214.7	1213.9	1213.1	1213.9	1214.7	1215.4
157.5°	1247.6	1247.1	1246.8	1246.5	1246.0	1245.5	1245.0	1244.5	1245.0	1245.5	1246.0
160°	1275.1	1274.8	1274.7	1274.4	1273.9	1273.4	1272.8	1272.3	1272.8	1273.4	1273.9
162.5°	1298.3	1298.0	1297.9	1297.9	1297.9	1297.9	1297.9	1297.9	1297.9	1297.9	1297.9
165°	1318.8	1318.8	1318.8	1318.9	1319.2	1319.4	1319.7	1319.9	1319.7	1319.4	1319.2
167.5°	1336.2	1336.2	1336.2	1336.6	1337.4	1338.1	1338.9	1339.7	1338.9	1338.1	1337.4
170°	1350.9	1351.2	1351.3	1351.7	1352.5	1353.2	1354.0	1354.8	1354.0	1353.2	1352.5
172.5°	1361.3	1361.6	1361.7	1362.1	1362.9	1363.6	1364.4	1365.2	1364.4	1363.6	1362.9
175°	1369.1	1369.6	1369.9	1370.3	1371.0	1371.8	1372.5	1373.3	1372.5	1371.8	1371.0
177.5°	1373.7	1374.2	1374.5	1374.9	1375.7	1376.4	1377.2	1378.0	1377.2	1376.4	1375.7
180°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7

TEST NUMBER: P1009809

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	629.5	629.9	631.2	627.2	621.0	618.4	610.4	609.1	607.8	607.8	609.1
5°	615.3	613.5	614.0	606.4	597.6	592.3	581.2	583.0	577.3	573.7	574.6
7.5°	599.8	594.9	594.5	584.8	573.7	564.0	552.5	549.8	544.5	538.3	535.7
10°	580.4	576.8	570.2	559.1	545.0	537.0	521.5	512.2	510.9	501.6	498.1
12.5°	560.4	554.3	547.6	532.1	516.2	503.4	491.9	481.7	474.6	466.7	461.4
15°	537.4	529.9	522.4	506.0	487.5	474.6	457.4	442.3	421.6	405.2	395.9
17.5°	512.2	503.8	493.7	475.5	457.4	439.7	407.8	390.1	375.5	365.8	360.1
20°	486.1	476.8	466.7	448.5	417.1	386.2	368.5	354.8	345.9	336.2	329.1
22.5°	458.7	449.0	437.9	409.6	376.4	354.8	341.0	328.2	315.4	310.1	306.5
25°	433.1	424.2	410.0	371.6	345.5	325.6	310.1	301.7	295.0	288.0	281.3
27.5°	406.5	390.1	370.2	337.9	321.6	301.2	290.2	284.0	272.5	267.6	264.5
30°	374.7	356.5	337.5	314.5	295.5	281.3	271.2	261.0	254.3	249.5	244.2
32.5°	342.4	325.1	313.2	289.3	275.1	260.5	250.8	244.6	234.9	231.8	229.6
35°	314.5	299.9	289.3	269.8	256.6	243.3	236.2	226.9	220.7	215.0	211.4
37.5°	287.1	279.1	268.1	251.7	237.5	226.9	217.2	214.1	205.7	202.6	199.1
40°	268.1	256.1	246.8	232.7	220.7	209.2	203.0	196.0	190.2	185.3	184.0
42.5°	245.1	236.2	230.9	215.4	203.0	196.4	188.9	180.9	176.5	172.5	167.6
45°	227.8	219.8	212.3	199.9	188.9	180.5	173.8	168.5	161.0	159.2	151.7
47.5°	209.7	201.7	196.0	183.6	173.4	165.4	160.6	153.5	147.3	143.3	139.8
50°	191.5	184.9	179.6	169.0	160.1	151.7	145.1	138.0	135.4	128.7	126.5
52.5°	174.3	169.9	164.1	153.9	145.1	138.0	130.9	125.2	121.2	117.7	115.0
55°	159.7	152.6	150.0	138.9	131.4	123.9	117.7	114.1	109.3	107.0	104.8
57.5°	143.3	139.3	134.9	126.5	118.1	111.0	106.6	101.3	98.6	96.0	94.2
60°	129.2	123.4	119.9	112.8	105.3	98.6	94.7	90.7	87.1	84.9	81.4
62.5°	112.8	108.4	106.2	98.6	92.4	86.3	82.7	78.7	76.1	72.1	67.7
65°	98.6	95.1	92.4	86.3	80.5	74.8	71.2	66.4	62.8	60.6	60.2
67.5°	86.3	83.6	79.6	73.9	68.1	63.7	59.7	55.7	55.3	54.4	54.4
70°	72.5	69.9	67.7	61.5	56.6	51.8	50.9	49.5	48.2	47.8	46.9
72.5°	60.6	58.4	55.7	50.4	45.6	44.2	43.3	42.5	41.1	40.7	40.3
75°	49.1	46.0	44.2	39.4	38.0	37.2	36.3	34.9	34.1	33.6	32.7
77.5°	37.6	34.5	34.5	31.8	31.0	29.6	28.8	27.9	27.4	26.5	26.5
80°	26.5	26.5	25.7	24.3	23.0	22.6	21.2	20.8	20.3	20.8	19.9
82.5°	19.5	17.7	17.7	16.8	15.9	15.5	14.6	14.6	14.2	14.2	14.2
85°	11.1	11.1	10.6	9.7	9.3	9.3	8.8	8.8	8.4	8.4	8.0
87.5°	4.4	4.0	4.4	4.0	4.0	3.5	3.5	3.5	3.1	3.5	3.1
90°	13.6	15.1	17.9	23.6	29.3	34.9	40.6	40.1	39.6	39.1	38.6
92.5°	33.8	34.8	34.9	35.2	35.5	35.7	36.0	36.2	36.5	36.7	37.0
95°	70.7	72.0	72.3	72.8	73.3	73.8	74.3	74.3	74.3	74.3	74.3
97.5°	110.2	111.4	111.9	113.0	114.0	115.1	116.1	116.1	116.1	116.1	116.1
100°	155.7	156.7	157.1	157.9	158.6	159.4	160.2	160.2	160.2	160.2	160.2
102.5°	202.4	203.2	203.7	204.7	205.8	206.8	207.8	208.1	208.3	208.6	208.9
105°	252.7	253.1	253.4	253.9	254.4	254.9	255.4	255.9	256.4	256.9	257.4
107.5°	307.1	307.6	307.6	307.6	307.6	307.6	307.6	307.9	308.1	308.4	308.7
110°	360.2	361.0	361.0	361.0	361.0	361.0	361.0	361.0	361.0	361.0	361.0

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	416.0	416.8	416.7	416.4	416.1	415.9	415.6	414.8	414.0	413.3	412.5
115°	470.5	471.3	471.0	470.5	470.0	469.5	469.0	468.7	468.5	468.2	467.9
117.5°	527.2	528.2	527.6	526.3	525.0	523.7	522.4	521.6	520.8	520.1	519.3
120°	581.8	582.8	581.8	579.7	577.6	575.6	573.5	573.5	573.5	573.5	573.5
122.5°	633.7	635.0	634.4	633.1	631.8	630.5	629.2	628.4	627.6	626.9	626.1
125°	684.9	686.1	685.7	684.9	684.2	683.4	682.6	681.8	681.0	680.3	679.5
127.5°	738.1	739.5	739.0	737.9	736.9	735.8	734.8	733.8	732.8	731.7	730.7
130°	787.7	789.4	789.1	788.6	788.1	787.6	787.1	786.6	786.1	785.6	785.1
132.5°	838.0	839.3	839.4	839.7	840.0	840.2	840.5	839.2	837.9	836.6	835.3
135°	885.5	886.9	887.2	887.7	888.2	888.7	889.2	889.0	888.7	888.5	888.2
137.5°	934.5	935.7	936.0	936.5	937.0	937.5	938.0	937.7	937.5	937.2	936.9
140°	979.8	981.0	981.6	982.9	984.2	985.5	986.8	986.8	986.8	986.8	986.8
142.5°	1026.2	1027.4	1027.8	1028.6	1029.3	1030.1	1030.9	1031.1	1031.4	1031.6	1031.9
145°	1068.3	1069.2	1070.0	1071.5	1073.0	1074.6	1076.1	1076.4	1076.6	1076.9	1077.2
147.5°	1109.8	1111.0	1111.5	1112.5	1113.6	1114.6	1115.6	1116.1	1116.6	1117.1	1117.6
150°	1147.3	1148.1	1148.6	1149.7	1150.7	1151.8	1152.8	1153.6	1154.4	1155.1	1155.9
152.5°	1183.3	1184.1	1184.7	1186.0	1187.3	1188.6	1189.9	1190.9	1192.0	1193.0	1194.1
155°	1216.2	1216.6	1217.0	1217.8	1218.5	1219.3	1220.1	1221.4	1222.7	1224.0	1225.3
157.5°	1246.5	1246.8	1247.1	1247.6	1248.1	1248.6	1249.1	1250.9	1252.7	1254.5	1256.3
160°	1274.4	1274.7	1274.8	1275.1	1275.3	1275.6	1275.8	1277.4	1278.9	1280.5	1282.0
162.5°	1297.9	1297.9	1298.0	1298.3	1298.5	1298.8	1299.0	1300.8	1302.6	1304.5	1306.3
165°	1318.9	1318.8	1318.8	1318.8	1318.8	1318.8	1318.8	1320.6	1322.4	1324.2	1326.0
167.5°	1336.6	1336.2	1336.2	1336.2	1336.2	1336.2	1336.2	1338.0	1339.8	1341.6	1343.4
170°	1351.7	1351.3	1351.2	1350.9	1350.6	1350.4	1350.1	1351.9	1353.7	1355.5	1357.3
172.5°	1362.1	1361.7	1361.6	1361.3	1361.1	1360.8	1360.6	1362.4	1364.2	1366.0	1367.8
175°	1370.3	1369.9	1369.6	1369.1	1368.6	1368.0	1367.5	1369.3	1371.1	1373.0	1374.8
177.5°	1374.9	1374.5	1374.2	1373.7	1373.2	1372.7	1372.2	1373.7	1375.3	1376.8	1378.3
180°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7

TEST NUMBER: P1009809

CATALOG NUMBER: S122RDIP-B290D1080UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	609.1	608.2	605.6	606.4	605.1	605.1	604.2	604.2	604.2	606.4	605.1
5°	575.9	572.8	569.7	568.4	567.1	565.8	565.8	565.3	569.3	568.4	571.9
7.5°	534.8	533.9	527.7	527.7	525.5	524.6	526.8	527.3	527.7	528.6	530.8
10°	498.1	495.9	487.0	487.9	486.6	484.8	486.1	485.2	488.3	489.2	488.3
12.5°	454.7	450.7	441.0	436.1	430.8	426.9	431.7	428.2	440.6	444.1	453.8
15°	397.2	389.7	383.1	383.1	378.2	374.7	376.9	380.9	383.5	387.5	389.3
17.5°	358.7	355.6	350.3	347.2	345.9	344.6	344.6	346.4	352.1	351.7	355.2
20°	326.0	324.2	321.6	317.6	316.3	315.4	315.4	315.4	319.4	322.9	325.1
22.5°	303.4	302.1	300.3	295.0	292.4	291.5	293.7	295.0	298.1	300.8	303.0
25°	280.9	277.8	274.7	272.9	271.6	271.6	272.5	272.9	274.3	275.6	278.2
27.5°	262.3	260.1	255.7	250.8	250.8	249.5	250.4	251.2	254.3	258.8	261.0
30°	241.5	241.1	239.3	237.5	235.8	234.9	236.7	238.0	238.4	240.6	240.6
32.5°	226.5	223.4	220.3	218.5	217.6	217.2	217.6	219.4	219.4	222.1	225.2
35°	211.4	209.7	206.6	203.5	202.6	200.4	202.1	203.9	207.0	208.3	209.7
37.5°	195.1	192.9	191.5	190.6	188.9	189.3	188.0	190.6	193.3	192.9	193.7
40°	182.7	178.7	174.7	174.3	173.8	173.4	173.4	173.8	175.6	177.4	180.0
42.5°	166.8	165.4	161.9	158.4	157.5	156.6	155.7	157.5	161.0	164.1	165.4
45°	150.4	148.6	147.7	145.1	143.3	142.9	142.0	144.2	147.3	148.6	149.5
47.5°	135.4	134.9	132.3	132.7	131.4	131.8	131.4	132.7	132.7	134.0	134.9
50°	125.2	123.9	122.5	121.6	120.3	120.3	119.9	120.3	122.1	123.9	123.4
52.5°	115.0	112.8	112.4	111.9	111.0	111.9	110.6	111.0	112.8	113.7	113.2
55°	103.1	102.6	101.7	100.9	100.4	100.0	100.0	100.0	101.7	103.1	103.5
57.5°	93.8	91.6	89.8	89.8	88.0	87.6	88.5	88.9	90.2	91.1	92.0
60°	80.9	80.1	77.4	76.1	73.4	73.0	73.0	74.8	77.0	80.1	80.9
62.5°	67.2	65.9	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.9	65.9
65°	59.7	60.2	59.7	59.3	59.7	59.7	59.3	59.3	59.3	59.7	60.2
67.5°	53.5	53.1	53.5	53.1	52.6	52.6	52.2	52.6	53.1	53.5	53.5
70°	46.4	46.4	46.0	46.4	46.0	45.6	45.1	45.1	46.0	46.4	46.4
72.5°	39.8	39.8	39.4	39.4	38.5	38.5	38.9	38.5	38.5	39.8	39.8
75°	33.2	32.7	32.3	32.3	31.8	31.8	31.8	31.4	32.3	32.3	32.7
77.5°	26.1	26.1	26.1	25.7	25.7	25.2	25.2	25.7	25.7	25.7	26.1
80°	19.9	19.9	19.9	19.5	19.0	19.0	19.0	19.0	19.0	19.5	19.0
82.5°	13.7	13.7	13.7	13.7	13.7	13.3	13.3	13.3	13.7	13.7	13.3
85°	8.4	8.0	8.4	8.4	8.0	8.4	8.0	8.0	7.5	7.5	8.0
87.5°	3.5	3.1	2.7	2.7	3.1	2.7	2.7	2.7	3.1	2.7	2.7
90°	38.3	38.4	38.7	39.0	39.2	39.5	39.2	39.0	38.7	38.4	38.3
92.5°	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
95°	74.3	74.0	73.5	73.0	72.5	72.0	72.5	73.0	73.5	74.0	74.3
97.5°	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1
100°	160.2	160.1	159.8	159.5	159.3	159.0	159.3	159.5	159.8	160.1	160.2
102.5°	209.0	208.9	208.6	208.3	208.1	207.8	208.1	208.3	208.6	208.9	209.0
105°	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7
107.5°	308.8	308.2	306.9	305.6	304.3	303.0	304.3	305.6	306.9	308.2	308.8
110°	361.0	360.6	359.9	359.1	358.4	357.6	358.4	359.1	359.9	360.6	361.0

TEST NUMBER: P1009809

CATALOG NUMBER: S122RDIP-B290D1080UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	412.1	411.8	411.3	410.8	410.3	409.8	410.3	410.8	411.3	411.8	412.1
115°	467.8	467.4	466.7	465.9	465.2	464.4	465.2	465.9	466.7	467.4	467.8
117.5°	518.9	518.5	517.7	517.0	516.2	515.4	516.2	517.0	517.7	518.5	518.9
120°	573.5	573.1	572.3	571.6	570.8	570.0	570.8	571.6	572.3	573.1	573.5
122.5°	625.7	625.4	624.9	624.4	623.9	623.4	623.9	624.4	624.9	625.4	625.7
125°	679.1	679.0	678.7	678.5	678.2	678.0	678.2	678.5	678.7	679.0	679.1
127.5°	730.2	729.8	729.0	728.3	727.5	726.7	727.5	728.3	729.0	729.8	730.2
130°	784.8	784.3	783.2	782.2	781.1	780.1	781.1	782.2	783.2	784.3	784.8
132.5°	834.7	834.3	833.5	832.8	832.0	831.2	832.0	832.8	833.5	834.3	834.7
135°	888.1	887.7	886.9	886.2	885.4	884.6	885.4	886.2	886.9	887.7	888.1
137.5°	936.8	936.3	935.3	934.2	933.2	932.2	933.2	934.2	935.3	936.3	936.8
140°	986.8	986.3	985.2	984.2	983.1	982.1	983.1	984.2	985.2	986.3	986.8
142.5°	1032.0	1031.5	1030.5	1029.4	1028.4	1027.4	1028.4	1029.4	1030.5	1031.5	1032.0
145°	1077.3	1076.8	1075.8	1074.7	1073.7	1072.7	1073.7	1074.7	1075.8	1076.8	1077.3
147.5°	1117.9	1117.4	1116.4	1115.3	1114.3	1113.3	1114.3	1115.3	1116.4	1117.4	1117.9
150°	1156.3	1155.9	1155.1	1154.4	1153.6	1152.8	1153.6	1154.4	1155.1	1155.9	1156.3
152.5°	1194.6	1194.1	1193.0	1192.0	1190.9	1189.9	1190.9	1192.0	1193.0	1194.1	1194.6
155°	1225.9	1225.5	1224.7	1224.0	1223.2	1222.4	1223.2	1224.0	1224.7	1225.5	1225.9
157.5°	1257.2	1256.6	1255.3	1254.0	1252.7	1251.4	1252.7	1254.0	1255.3	1256.6	1257.2
160°	1282.8	1282.3	1281.2	1280.2	1279.1	1278.1	1279.1	1280.2	1281.2	1282.3	1282.8
162.5°	1307.2	1306.6	1305.3	1304.0	1302.7	1301.4	1302.7	1304.0	1305.3	1306.6	1307.2
165°	1326.9	1326.3	1325.0	1323.7	1322.4	1321.1	1322.4	1323.7	1325.0	1326.3	1326.9
167.5°	1344.3	1343.7	1342.4	1341.1	1339.8	1338.5	1339.8	1341.1	1342.4	1343.7	1344.3
170°	1358.2	1357.4	1355.9	1354.4	1352.8	1351.3	1352.8	1354.4	1355.9	1357.4	1358.2
172.5°	1368.7	1367.9	1366.4	1364.8	1363.3	1361.7	1363.3	1364.8	1366.4	1367.9	1368.7
175°	1375.7	1374.9	1373.4	1371.8	1370.3	1368.7	1370.3	1371.8	1373.4	1374.9	1375.7
177.5°	1379.1	1378.3	1376.8	1375.3	1373.7	1372.2	1373.7	1375.3	1376.8	1378.3	1379.1
180°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7

TEST NUMBER: P1009809

CATALOG NUMBER: S122RDIP-B290D1080UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	606.4	608.7	607.8	602.9	607.8	609.1	611.8	614.4	616.2	618.8	621.0
5°	568.4	572.8	575.5	572.8	581.7	583.0	589.2	592.7	598.0	602.5	606.0
7.5°	532.6	536.1	541.4	542.3	547.6	553.8	562.7	571.5	579.9	584.3	588.3
10°	494.1	500.3	508.2	506.5	514.4	524.2	533.5	547.6	554.7	562.7	569.7
12.5°	455.6	459.6	470.2	473.7	485.2	492.8	505.6	514.4	532.1	541.4	547.6
15°	388.4	404.7	418.0	433.9	449.0	463.1	474.6	490.6	506.0	513.1	523.3
17.5°	357.9	365.4	373.3	381.3	400.8	426.0	446.3	463.6	476.8	486.1	498.1
20°	326.0	333.5	342.4	349.9	361.8	380.0	405.2	434.8	450.7	460.5	472.0
22.5°	303.4	310.5	316.3	322.9	332.2	345.5	364.5	401.2	422.4	434.4	444.6
25°	279.1	288.0	294.2	299.0	306.5	321.1	336.6	357.4	395.5	404.7	418.9
27.5°	262.3	265.0	272.0	279.6	287.1	295.0	311.0	328.7	354.3	374.7	391.9
30°	242.4	249.0	255.7	258.8	265.4	276.9	286.6	305.7	325.6	341.5	362.3
32.5°	227.4	231.3	235.8	243.3	249.5	257.4	267.2	283.1	299.9	310.1	326.0
35°	210.6	213.2	222.5	225.6	231.8	239.7	249.5	261.9	280.0	288.0	299.5
37.5°	194.6	200.8	203.5	210.6	216.3	224.3	231.3	245.5	257.4	266.7	277.3
40°	182.2	184.9	189.8	196.0	200.8	207.0	215.9	226.0	238.9	246.4	255.7
42.5°	167.2	169.4	175.6	179.1	187.1	192.9	198.2	210.6	222.1	227.8	237.1
45°	150.8	156.1	160.1	167.2	171.6	178.7	185.3	194.2	204.8	211.4	216.7
47.5°	136.7	142.0	146.0	152.6	159.7	162.8	169.9	179.1	188.9	194.2	201.7
50°	125.2	127.0	134.5	137.6	145.1	151.3	156.1	164.1	174.7	177.8	184.0
52.5°	114.1	115.5	120.3	124.3	130.9	136.2	142.4	150.0	158.8	163.7	168.5
55°	104.4	105.3	107.5	111.9	116.3	123.0	128.7	135.8	143.3	148.6	153.0
57.5°	93.3	95.1	96.9	99.5	104.0	110.1	116.3	123.0	129.2	132.7	138.5
60°	80.5	83.2	86.3	89.4	92.4	96.9	104.0	110.1	115.9	119.0	123.4
62.5°	66.8	72.1	74.8	78.3	80.9	84.9	90.2	97.3	101.3	105.3	108.8
65°	60.2	60.6	61.0	64.6	69.4	73.4	78.3	83.6	89.8	92.4	95.1
67.5°	53.5	54.0	54.9	55.3	57.1	61.5	66.8	72.5	77.4	79.2	81.8
70°	46.9	46.9	48.7	49.1	49.5	50.0	54.4	60.2	64.6	66.8	69.9
72.5°	39.8	40.3	41.1	41.6	42.5	43.3	44.7	47.8	53.1	55.3	58.8
75°	32.7	33.2	33.6	34.1	35.4	35.8	37.2	38.9	41.1	43.8	46.0
77.5°	26.1	26.1	26.5	27.4	28.3	28.8	30.1	31.0	31.8	33.2	34.9
80°	19.5	19.9	19.9	20.8	20.8	21.2	21.7	23.0	23.9	24.8	25.7
82.5°	13.3	14.2	14.2	14.2	14.6	15.0	15.5	15.5	16.4	16.8	18.1
85°	8.0	8.4	8.4	8.4	8.0	8.8	8.8	9.3	9.3	9.3	9.7
87.5°	3.1	2.7	3.1	3.1	3.1	3.5	3.1	3.1	3.5	4.0	4.0
90°	38.6	39.1	39.6	40.1	40.6	34.9	29.3	23.6	17.9	15.1	13.6
92.5°	37.0	36.7	36.5	36.2	36.0	35.7	35.5	35.2	34.9	34.8	33.8
95°	74.3	74.3	74.3	74.3	74.3	73.8	73.3	72.8	72.3	72.0	70.7
97.5°	116.1	116.1	116.1	116.1	116.1	115.1	114.0	113.0	111.9	111.4	110.2
100°	160.2	160.2	160.2	160.2	160.2	159.4	158.6	157.9	157.1	156.7	155.7
102.5°	208.9	208.6	208.3	208.1	207.8	206.8	205.8	204.7	203.7	203.2	202.4
105°	257.4	256.9	256.4	255.9	255.4	254.9	254.4	253.9	253.4	253.1	252.7
107.5°	308.7	308.4	308.1	307.9	307.6	307.6	307.6	307.6	307.6	307.6	307.1
110°	361.0	361.0	361.0	361.0	361.0	361.0	361.0	361.0	361.0	361.0	360.2

TEST NUMBER: P1009809

CATALOG NUMBER: S122RDIP-B290D1080UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	412.5	413.3	414.0	414.8	415.6	415.9	416.1	416.4	416.7	416.8	416.0
115°	467.9	468.2	468.5	468.7	469.0	469.5	470.0	470.5	471.0	471.3	470.5
117.5°	519.3	520.1	520.8	521.6	522.4	523.7	525.0	526.3	527.6	528.2	527.2
120°	573.5	573.5	573.5	573.5	573.5	575.6	577.6	579.7	581.8	582.8	581.8
122.5°	626.1	626.9	627.6	628.4	629.2	630.5	631.8	633.1	634.4	635.0	633.7
125°	679.5	680.3	681.0	681.8	682.6	683.4	684.2	684.9	685.7	686.1	684.9
127.5°	730.7	731.7	732.8	733.8	734.8	735.8	736.9	737.9	739.0	739.5	738.1
130°	785.1	785.6	786.1	786.6	787.1	787.6	788.1	788.6	789.1	789.4	787.7
132.5°	835.3	836.6	837.9	839.2	840.5	840.2	840.0	839.7	839.4	839.3	838.0
135°	888.2	888.5	888.7	889.0	889.2	888.7	888.2	887.7	887.2	886.9	885.5
137.5°	936.9	937.2	937.5	937.7	938.0	937.5	937.0	936.5	936.0	935.7	934.5
140°	986.8	986.8	986.8	986.8	986.8	985.5	984.2	982.9	981.6	981.0	979.8
142.5°	1031.9	1031.6	1031.4	1031.1	1030.9	1030.1	1029.3	1028.6	1027.8	1027.4	1026.2
145°	1077.2	1076.9	1076.6	1076.4	1076.1	1074.6	1073.0	1071.5	1070.0	1069.2	1068.3
147.5°	1117.6	1117.1	1116.6	1116.1	1115.6	1114.6	1113.6	1112.5	1111.5	1111.0	1109.8
150°	1155.9	1155.1	1154.4	1153.6	1152.8	1151.8	1150.7	1149.7	1148.6	1148.1	1147.3
152.5°	1194.1	1193.0	1192.0	1190.9	1189.9	1188.6	1187.3	1186.0	1184.7	1184.1	1183.3
155°	1225.3	1224.0	1222.7	1221.4	1220.1	1219.3	1218.5	1217.8	1217.0	1216.6	1216.2
157.5°	1256.3	1254.5	1252.7	1250.9	1249.1	1248.6	1248.1	1247.6	1247.1	1246.8	1246.5
160°	1282.0	1280.5	1278.9	1277.4	1275.8	1275.6	1275.3	1275.1	1274.8	1274.7	1274.4
162.5°	1306.3	1304.5	1302.6	1300.8	1299.0	1298.8	1298.5	1298.3	1298.0	1297.9	1297.9
165°	1326.0	1324.2	1322.4	1320.6	1318.8	1318.8	1318.8	1318.8	1318.8	1318.8	1318.9
167.5°	1343.4	1341.6	1339.8	1338.0	1336.2	1336.2	1336.2	1336.2	1336.2	1336.2	1336.6
170°	1357.3	1355.5	1353.7	1351.9	1350.1	1350.4	1350.6	1350.9	1351.2	1351.3	1351.7
172.5°	1367.8	1366.0	1364.2	1362.4	1360.6	1360.8	1361.1	1361.3	1361.6	1361.7	1362.1
175°	1374.8	1373.0	1371.1	1369.3	1367.5	1368.0	1368.6	1369.1	1369.6	1369.9	1370.3
177.5°	1378.3	1376.8	1375.3	1373.7	1372.2	1372.7	1373.2	1373.7	1374.2	1374.5	1374.9
180°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7

TEST NUMBER: P1009809

CATALOG NUMBER: S122RDIP-B290D1080UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	636.5	636.5	636.5	636.5
2.5°	625.0	623.7	631.7	640.5
5°	612.2	614.4	624.6	637.0
7.5°	598.9	603.8	615.7	632.1
10°	580.4	589.2	607.3	624.1
12.5°	562.2	574.2	591.4	611.3
15°	541.9	555.1	576.4	600.3
17.5°	519.3	534.3	559.1	585.2
20°	495.4	515.3	541.4	569.7
22.5°	468.9	492.8	519.8	551.2
25°	443.2	469.3	496.3	532.6
27.5°	418.0	443.7	473.7	510.5
30°	392.8	416.2	448.5	487.9
32.5°	365.8	390.1	424.2	464.5
35°	341.0	365.4	397.2	437.0
37.5°	314.5	340.6	371.1	412.3
40°	283.5	314.1	343.7	383.1
42.5°	257.9	290.2	318.9	356.1
45°	237.5	268.1	291.9	328.2
47.5°	218.5	243.3	267.6	301.2
50°	200.4	219.4	244.6	274.7
52.5°	181.8	198.2	219.8	248.2
55°	165.0	180.5	199.9	221.6
57.5°	149.5	160.6	180.0	199.5
60°	132.3	143.8	158.8	175.2
62.5°	117.7	126.5	140.7	154.4
65°	102.2	110.6	121.2	134.0
67.5°	88.0	95.5	104.0	114.1
70°	75.2	80.9	87.1	96.0
72.5°	61.5	67.7	73.4	80.5
75°	50.4	53.1	57.9	62.8
77.5°	38.9	42.5	45.1	49.1
80°	27.9	31.0	31.8	34.9
82.5°	18.6	20.3	22.1	23.0
85°	10.6	11.5	13.3	13.7
87.5°	4.0	4.4	5.3	6.2
90°	10.5	7.4	4.3	1.2
92.5°	31.7	29.6	27.6	25.5
95°	68.1	65.6	63.0	60.4
97.5°	107.9	105.6	103.3	101.0
100°	153.6	151.5	149.5	147.4
102.5°	200.9	199.3	197.8	196.2
105°	251.9	251.2	250.4	249.6
107.5°	306.1	305.0	304.0	303.0
110°	358.7	357.2	355.6	354.1

TEST NUMBER: P1009809

CATALOG NUMBER: S122RDIP-B290D1080UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	414.5	412.9	411.4	409.8
115°	469.0	467.5	465.9	464.4
117.5°	525.1	523.0	521.0	518.9
120°	579.7	577.6	575.6	573.5
122.5°	631.1	628.6	626.0	623.4
125°	682.6	680.3	677.9	675.6
127.5°	735.2	732.4	729.5	726.7
130°	784.4	781.0	777.7	774.3
132.5°	835.4	832.9	830.3	827.7
135°	882.7	879.8	877.0	874.2
137.5°	932.2	929.9	927.5	925.2
140°	977.5	975.2	972.8	970.5
142.5°	1023.9	1021.6	1019.2	1016.9
145°	1066.5	1064.7	1062.9	1061.1
147.5°	1107.5	1105.2	1102.8	1100.5
150°	1145.8	1144.3	1142.7	1141.2
152.5°	1181.8	1180.2	1178.7	1177.1
155°	1215.4	1214.7	1213.9	1213.1
157.5°	1246.0	1245.5	1245.0	1244.5
160°	1273.9	1273.4	1272.8	1272.3
162.5°	1297.9	1297.9	1297.9	1297.9
165°	1319.2	1319.4	1319.7	1319.9
167.5°	1337.4	1338.1	1338.9	1339.7
170°	1352.5	1353.2	1354.0	1354.8
172.5°	1362.9	1363.6	1364.4	1365.2
175°	1371.0	1371.8	1372.5	1373.3
177.5°	1375.7	1376.4	1377.2	1378.0
180°	1375.7	1375.7	1375.7	1375.7

(END OF REPORT)