

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: P999632

Luminaire Tested: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P999632
REPORT IS A COMBINATION OF REPORTS P988185 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_3000K
Description: Define 2 Regressed Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

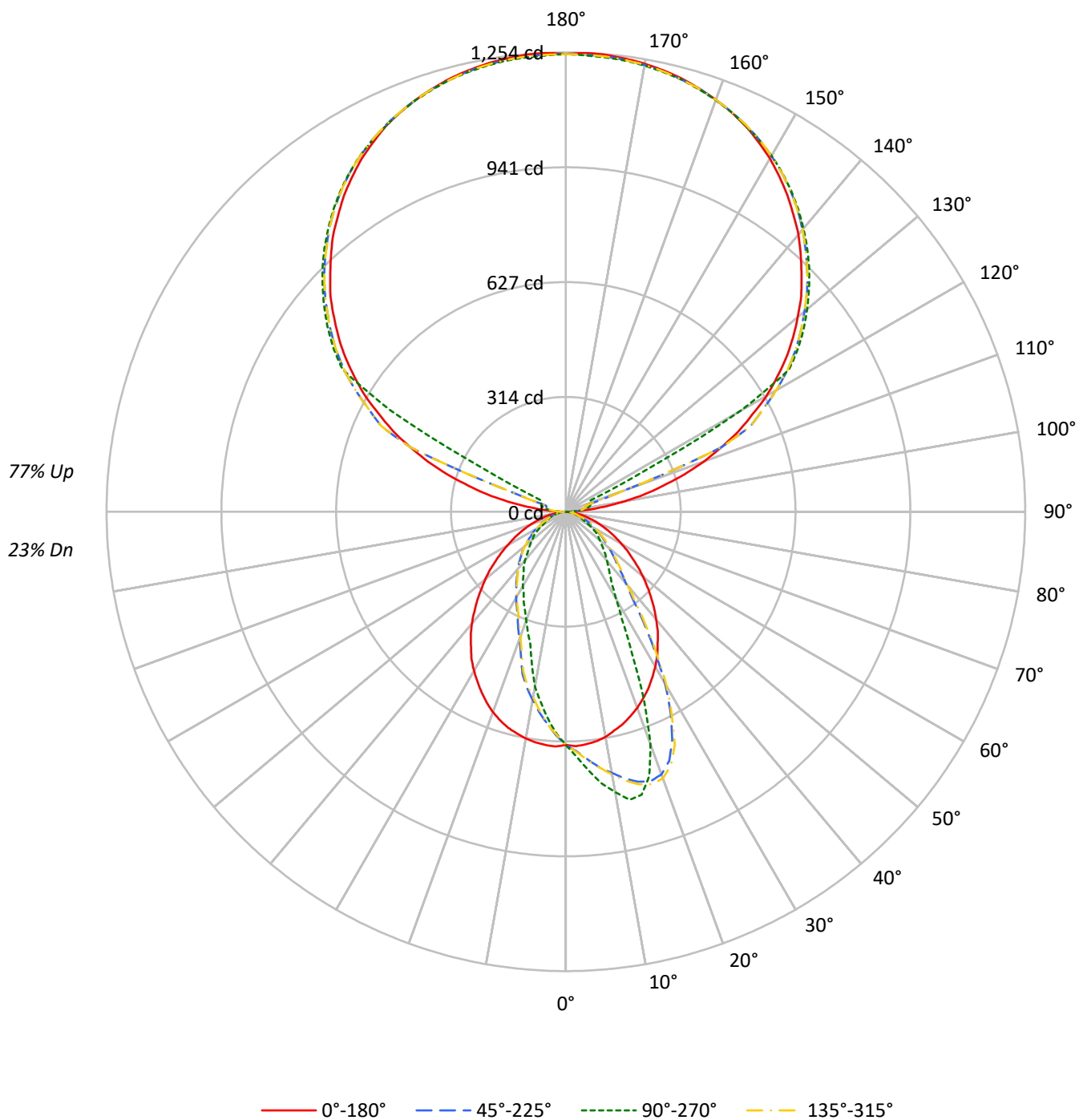
Lumens per Lamp: N/A
Luminaire Lumens: 4765.0 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 41.5
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	50	30	10
RCR																				
0	101	101	101	101	89	89	89	89	68	68	68	49	49	49	31	31	31			23
1	92	88	85	81	82	78	75	73	60	58	57	44	42	41	28	28	27			20
2	84	77	72	67	75	69	64	60	53	50	47	39	37	35	25	24	23			18
3	77	68	61	56	68	61	55	51	47	43	40	35	32	30	23	21	20			15
4	71	61	53	48	62	54	48	43	42	38	35	31	28	26	21	19	18			14
5	65	54	46	41	57	48	42	37	38	33	30	28	25	23	19	17	16			12
6	60	48	41	35	53	43	37	32	34	30	26	25	22	20	17	15	14			11
7	55	44	36	31	49	39	33	28	31	26	23	23	20	18	16	14	13			10
8	51	40	32	27	45	36	29	25	28	24	20	21	18	16	15	13	11			9
9	48	36	29	24	42	33	27	22	26	21	18	19	17	14	14	12	10			8
10	44	33	26	22	40	30	24	20	24	19	17	18	15	13	13	11	10			8

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	1.3
10°-20°	168.5	3.5
20°-30°	216.9	4.6
30°-40°	205.8	4.3
40°-50°	176.3	3.7
50°-60°	134.3	2.8
60°-70°	84.7	1.8
70°-80°	42.3	0.9
80°-90°	13.1	0.3
90°-100°	41.2	0.9
100°-110°	153.6	3.2
110°-120°	407.3	8.5
120°-130°	675.6	14.2
130°-140°	717.6	15.1
140°-150°	666.9	14.0
150°-160°	536.2	11.3
160°-170°	345.5	7.3
170°-180°	118.9	2.5
0°-30°	445.8	9.4
0°-40°	651.5	13.7
0°-60°	962.2	20.2
0°-90°	1102.2	23.1
90°-120°	602.1	12.6
90°-150°	2662.2	55.9
90°-180°	3663.0	76.9
0°-180°	4765.0	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	24	1	24	1	4
95°	59	39	59	39	59	70
105°	275	69	275	69	275	294
115°	520	74	520	74	520	512
125°	735	773	735	773	735	656
135°	910	939	910	939	910	703
145°	1055	1071	1055	1071	1055	660
155°	1162	1163	1162	1163	1162	535
165°	1224	1221	1224	1221	1224	346
175°	1252	1245	1252	1245	1252	119
180°	1249	1249	1249	1249	1249	

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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°	0.9	3.1	5.3	7.5	9.7	10.8	11.6	13.2	14.9	16.5	18.1
92.5°	22.6	21.8	21.0	20.2	19.4	19.0	19.3	19.9	20.5	21.1	21.7
95°	58.8	52.2	45.5	38.9	32.2	28.9	29.6	31.0	32.5	33.9	35.3
97.5°	105.8	89.3	72.8	56.3	39.8	31.6	33.2	36.4	39.7	42.9	46.1
100°	160.0	132.5	105.0	77.5	50.0	36.2	37.9	41.3	44.7	48.1	51.5
102.5°	219.7	219.3	218.9	218.5	218.1	217.9	199.6	163.0	126.5	89.9	53.3
105°	274.8	280.8	286.9	292.9	299.0	302.0	274.6	219.7	164.8	110.0	55.1
107.5°	339.0	344.0	349.0	354.1	359.1	361.6	327.8	260.1	192.4	124.7	57.0
110°	400.5	404.7	408.9	413.2	417.4	419.5	390.5	332.4	274.3	216.3	158.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	458.4	462.0	465.6	469.2	472.8	474.6	472.9	469.5	466.1	462.7	459.3
115°	519.8	523.2	526.6	530.1	533.5	535.2	537.7	542.7	547.8	552.8	557.8
117.5°	573.2	577.2	581.2	585.2	589.2	591.2	592.9	596.3	599.8	603.2	606.6
120°	632.8	635.8	638.8	641.9	644.9	646.4	648.2	651.8	655.5	659.1	662.7
122.5°	683.5	686.7	689.9	693.1	696.3	697.9	699.9	703.9	708.0	712.0	716.0
125°	735.0	737.6	740.2	742.8	745.4	746.7	748.6	752.4	756.3	760.1	763.9
127.5°	782.0	784.8	787.6	790.5	793.3	794.7	796.2	799.2	802.2	805.2	808.2
130°	826.3	829.5	832.7	836.0	839.2	840.8	841.9	844.1	846.3	848.5	850.7
132.5°	871.5	874.1	876.7	879.4	882.0	883.3	884.4	886.6	888.8	891.0	893.2
135°	909.5	912.7	915.9	919.1	922.3	923.9	924.8	926.6	928.5	930.3	932.1
137.5°	949.3	951.7	954.1	956.5	958.9	960.1	961.1	963.1	965.1	967.1	969.1
140°	988.1	989.7	991.3	993.0	994.6	995.4	996.5	998.7	1000.9	1003.1	1005.3
142.5°	1020.7	1022.1	1023.5	1024.9	1026.3	1027.0	1028.3	1030.9	1033.6	1036.2	1038.8
145°	1055.0	1054.8	1054.6	1054.4	1054.2	1054.1	1055.8	1059.2	1062.7	1066.1	1069.5
147.5°	1084.9	1084.3	1083.7	1083.1	1082.5	1082.2	1083.9	1087.3	1090.7	1094.1	1097.5
150°	1113.8	1112.4	1111.0	1109.6	1108.2	1107.5	1109.1	1112.3	1115.5	1118.7	1121.9
152.5°	1138.2	1136.6	1135.0	1133.4	1131.8	1131.0	1132.5	1135.5	1138.5	1141.5	1144.5
155°	1161.7	1159.9	1158.1	1156.3	1154.5	1153.6	1154.8	1157.2	1159.6	1162.0	1164.4
157.5°	1180.7	1179.1	1177.5	1175.9	1174.3	1173.5	1174.4	1176.2	1178.0	1179.8	1181.6
160°	1197.0	1195.8	1194.6	1193.3	1192.1	1191.5	1192.1	1193.3	1194.6	1195.8	1197.0
162.5°	1211.4	1210.2	1209.0	1207.8	1206.6	1206.0	1206.5	1207.5	1208.5	1209.5	1210.5
165°	1224.1	1222.9	1221.7	1220.5	1219.3	1218.7	1219.0	1219.6	1220.2	1220.8	1221.4
167.5°	1234.0	1232.8	1231.6	1230.4	1229.2	1228.6	1228.9	1229.5	1230.1	1230.7	1231.3
170°	1242.2	1241.0	1239.8	1238.5	1237.3	1236.7	1236.9	1237.3	1237.8	1238.2	1238.6
172.5°	1247.6	1246.4	1245.2	1244.0	1242.8	1242.2	1242.4	1242.8	1243.2	1243.6	1244.0
175°	1252.1	1250.7	1249.3	1247.9	1246.5	1245.8	1246.0	1246.4	1246.8	1247.2	1247.6
177.5°	1253.9	1252.5	1251.1	1249.7	1248.3	1247.6	1247.7	1247.9	1248.1	1248.3	1248.5
180°	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4

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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°	19.1	20.1	21.1	22.1	22.6	22.8	23.2	23.6	24.0	24.4	24.0
92.5°	22.1	22.5	22.9	23.3	23.5	23.6	23.8	24.0	24.2	24.4	24.2
95°	36.3	37.3	38.3	39.3	39.8	39.7	39.5	39.3	39.1	38.9	39.1
97.5°	46.7	47.3	47.9	48.5	48.8	48.9	49.1	49.3	49.5	49.7	49.5
100°	53.1	54.7	56.4	58.0	58.8	59.0	59.4	59.8	60.2	60.6	60.2
102.5°	55.5	57.7	60.0	62.2	63.3	63.6	64.2	64.8	65.4	66.0	65.4
105°	57.3	59.5	61.8	64.0	65.1	65.5	66.3	67.1	67.9	68.7	67.9
107.5°	59.2	61.4	63.6	65.8	66.9	67.3	68.1	68.9	69.7	70.5	69.7
110°	138.1	118.0	97.9	77.8	67.8	68.2	69.0	69.8	70.6	71.4	70.6

TEST NUMBER: P999632

CATALOG NUMBER: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	372.7	286.1	199.5	112.9	69.6	69.9	70.5	71.1	71.7	72.3	71.7
115°	464.8	371.8	278.7	185.7	139.2	132.0	117.5	103.0	88.6	74.1	88.6
117.5°	577.9	549.1	520.4	491.7	477.3	451.0	398.4	345.7	293.1	240.5	293.1
120°	665.1	667.5	669.9	672.3	673.5	659.9	632.8	605.7	578.6	551.5	578.6
122.5°	717.2	718.4	719.6	720.8	721.4	721.5	721.7	721.9	722.1	722.3	722.1
125°	765.3	766.7	768.2	769.6	770.3	770.6	771.2	771.8	772.4	773.0	772.4
127.5°	810.2	812.2	814.3	816.3	817.3	817.4	817.6	817.8	818.0	818.2	818.0
130°	852.9	855.1	857.4	859.6	860.7	860.6	860.4	860.2	860.0	859.8	860.0
132.5°	895.0	896.8	898.6	900.4	901.3	901.2	901.0	900.8	900.6	900.4	900.6
135°	934.1	936.1	938.1	940.1	941.1	940.9	940.5	940.1	939.7	939.3	939.7
137.5°	971.1	973.1	975.2	977.2	978.2	977.9	977.3	976.7	976.1	975.5	976.1
140°	1007.1	1008.9	1010.7	1012.5	1013.4	1012.9	1011.9	1010.9	1009.9	1008.9	1009.9
142.5°	1040.4	1042.0	1043.6	1045.2	1046.0	1045.5	1044.5	1043.5	1042.5	1041.5	1042.5
145°	1070.9	1072.3	1073.7	1075.1	1075.8	1075.3	1074.3	1073.3	1072.3	1071.3	1072.3
147.5°	1098.5	1099.5	1100.5	1101.5	1102.0	1101.6	1100.8	1100.0	1099.2	1098.4	1099.2
150°	1123.1	1124.3	1125.6	1126.8	1127.4	1126.9	1125.9	1124.8	1123.8	1122.8	1123.8
152.5°	1145.7	1146.9	1148.2	1149.4	1150.0	1149.3	1147.9	1146.4	1145.0	1143.6	1145.0
155°	1165.6	1166.8	1168.0	1169.2	1169.8	1169.0	1167.4	1165.8	1164.2	1162.6	1164.2
157.5°	1183.0	1184.4	1185.8	1187.2	1187.9	1187.1	1185.5	1183.9	1182.3	1180.7	1182.3
160°	1198.2	1199.4	1200.6	1201.8	1202.4	1201.7	1200.3	1198.9	1197.5	1196.1	1197.5
162.5°	1211.9	1213.3	1214.8	1216.2	1216.9	1216.0	1214.2	1212.3	1210.5	1208.7	1210.5
165°	1222.8	1224.2	1225.6	1227.0	1227.7	1227.0	1225.6	1224.2	1222.8	1221.4	1222.8
167.5°	1232.7	1234.1	1235.5	1236.9	1237.6	1236.7	1234.9	1233.1	1231.3	1229.5	1231.3
170°	1240.0	1241.4	1242.8	1244.2	1244.9	1244.0	1242.2	1240.3	1238.5	1236.7	1238.5
172.5°	1245.4	1246.8	1248.2	1249.6	1250.3	1249.4	1247.6	1245.8	1244.0	1242.2	1244.0
175°	1249.0	1250.4	1251.8	1253.2	1253.9	1252.9	1250.9	1248.9	1246.9	1244.9	1246.9
177.5°	1249.9	1251.3	1252.7	1254.1	1254.8	1253.9	1252.1	1250.3	1248.5	1246.7	1248.5
180°	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4

TEST NUMBER: P999632

CATALOG NUMBER: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

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°	23.6	23.2	22.8	22.6	22.1	21.1	20.1	19.1	18.1	16.5	14.9
92.5°	24.0	23.8	23.6	23.5	23.3	22.9	22.5	22.1	21.7	21.1	20.5
95°	39.3	39.5	39.7	39.8	39.3	38.3	37.3	36.3	35.3	33.9	32.5
97.5°	49.3	49.1	48.9	48.8	48.5	47.9	47.3	46.7	46.1	42.9	39.7
100°	59.8	59.4	59.0	58.8	58.0	56.4	54.7	53.1	51.5	48.1	44.7
102.5°	64.8	64.2	63.6	63.3	62.2	60.0	57.7	55.5	53.3	49.9	46.5
105°	67.1	66.3	65.5	65.1	64.0	61.8	59.5	57.3	55.1	51.0	47.8
107.5°	68.9	68.1	67.3	66.9	65.8	63.6	61.4	59.2	57.0	52.7	49.5
110°	69.8	69.0	68.2	67.8	77.8	97.9	118.0	138.1	158.2	216.3	274.3

TEST NUMBER: P999632

CATALOG NUMBER: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	71.1	70.5	69.9	69.6	112.9	199.5	286.1	372.7	459.3	462.7	466.1
115°	103.0	117.5	132.0	139.2	185.7	278.7	371.8	464.8	557.8	552.8	547.8
117.5°	345.7	398.4	451.0	477.3	491.7	520.4	549.1	577.9	606.6	603.2	599.8
120°	605.7	632.8	659.9	673.5	672.3	669.9	667.5	665.1	662.7	659.1	655.5
122.5°	721.9	721.7	721.5	721.4	720.8	719.6	718.4	717.2	716.0	712.0	708.0
125°	771.8	771.2	770.6	770.3	769.6	768.2	766.7	765.3	763.9	760.1	756.3
127.5°	817.8	817.6	817.4	817.3	816.3	814.3	812.2	810.2	808.2	805.2	802.2
130°	860.2	860.4	860.6	860.7	859.6	857.4	855.1	852.9	850.7	848.5	846.3
132.5°	900.8	901.0	901.2	901.3	900.4	898.6	896.8	895.0	893.2	891.0	888.8
135°	940.1	940.5	940.9	941.1	940.1	938.1	936.1	934.1	932.1	930.3	928.5
137.5°	976.7	977.3	977.9	978.2	977.2	975.2	973.1	971.1	969.1	967.1	965.1
140°	1010.9	1011.9	1012.9	1013.4	1012.5	1010.7	1008.9	1007.1	1005.3	1003.1	1000.9
142.5°	1043.5	1044.5	1045.5	1046.0	1045.2	1043.6	1042.0	1040.4	1038.8	1036.2	1033.6
145°	1073.3	1074.3	1075.3	1075.8	1075.1	1073.7	1072.3	1070.9	1069.5	1066.1	1062.7
147.5°	1100.0	1100.8	1101.6	1102.0	1101.5	1100.5	1099.5	1098.5	1097.5	1094.1	1090.7
150°	1124.8	1125.9	1126.9	1127.4	1126.8	1125.6	1124.3	1123.1	1121.9	1118.7	1115.5
152.5°	1146.4	1147.9	1149.3	1150.0	1149.4	1148.2	1146.9	1145.7	1144.5	1141.5	1138.5
155°	1165.8	1167.4	1169.0	1169.8	1169.2	1168.0	1166.8	1165.6	1164.4	1162.0	1159.6
157.5°	1183.9	1185.5	1187.1	1187.9	1187.2	1185.8	1184.4	1183.0	1181.6	1179.8	1178.0
160°	1198.9	1200.3	1201.7	1202.4	1201.8	1200.6	1199.4	1198.2	1197.0	1195.8	1194.6
162.5°	1212.3	1214.2	1216.0	1216.9	1216.2	1214.8	1213.3	1211.9	1210.5	1209.5	1208.5
165°	1224.2	1225.6	1227.0	1227.7	1227.0	1225.6	1224.2	1222.8	1221.4	1220.8	1220.2
167.5°	1233.1	1234.9	1236.7	1237.6	1236.9	1235.5	1234.1	1232.7	1231.3	1230.7	1230.1
170°	1240.3	1242.2	1244.0	1244.9	1244.2	1242.8	1241.4	1240.0	1238.6	1238.2	1237.8
172.5°	1245.8	1247.6	1249.4	1250.3	1249.6	1248.2	1246.8	1245.4	1244.0	1243.6	1243.2
175°	1248.9	1250.9	1252.9	1253.9	1253.2	1251.8	1250.4	1249.0	1247.6	1247.2	1246.8
177.5°	1250.3	1252.1	1253.9	1254.8	1254.1	1252.7	1251.3	1249.9	1248.5	1248.3	1248.1
180°	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4

TEST NUMBER: P999632

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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°	13.2	11.6	10.8	9.7	7.5	5.3	3.1	0.9	3.1	5.3	7.5
92.5°	19.9	19.3	19.0	19.4	20.2	21.0	21.8	22.6	21.8	21.0	20.2
95°	31.0	29.6	28.9	32.2	38.9	45.5	52.2	58.8	52.2	45.5	38.9
97.5°	36.4	33.2	31.6	39.8	56.3	72.8	89.3	105.8	89.3	72.8	56.3
100°	41.3	37.9	36.2	50.0	77.5	105.0	132.5	160.0	132.5	105.0	77.5
102.5°	163.0	199.6	217.9	218.1	218.5	218.9	219.3	219.7	219.3	218.9	218.5
105°	219.7	274.6	302.0	299.0	292.9	286.9	280.8	274.8	280.8	286.9	292.9
107.5°	260.1	327.8	361.6	359.1	354.1	349.0	344.0	339.0	344.0	349.0	354.1
110°	332.4	390.5	419.5	417.4	413.2	408.9	404.7	400.5	404.7	408.9	413.2

TEST NUMBER: P999632

CATALOG NUMBER: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	469.5	472.9	474.6	472.8	469.2	465.6	462.0	458.4	462.0	465.6	469.2
115°	542.7	537.7	535.2	533.5	530.1	526.6	523.2	519.8	523.2	526.6	530.1
117.5°	596.3	592.9	591.2	589.2	585.2	581.2	577.2	573.2	577.2	581.2	585.2
120°	651.8	648.2	646.4	644.9	641.9	638.8	635.8	632.8	635.8	638.8	641.9
122.5°	703.9	699.9	697.9	696.3	693.1	689.9	686.7	683.5	686.7	689.9	693.1
125°	752.4	748.6	746.7	745.4	742.8	740.2	737.6	735.0	737.6	740.2	742.8
127.5°	799.2	796.2	794.7	793.3	790.5	787.6	784.8	782.0	784.8	787.6	790.5
130°	844.1	841.9	840.8	839.2	836.0	832.7	829.5	826.3	829.5	832.7	836.0
132.5°	886.6	884.4	883.3	882.0	879.4	876.7	874.1	871.5	874.1	876.7	879.4
135°	926.6	924.8	923.9	922.3	919.1	915.9	912.7	909.5	912.7	915.9	919.1
137.5°	963.1	961.1	960.1	958.9	956.5	954.1	951.7	949.3	951.7	954.1	956.5
140°	998.7	996.5	995.4	994.6	993.0	991.3	989.7	988.1	989.7	991.3	993.0
142.5°	1030.9	1028.3	1027.0	1026.3	1024.9	1023.5	1022.1	1020.7	1022.1	1023.5	1024.9
145°	1059.2	1055.8	1054.1	1054.2	1054.4	1054.6	1054.8	1055.0	1054.8	1054.6	1054.4
147.5°	1087.3	1083.9	1082.2	1082.5	1083.1	1083.7	1084.3	1084.9	1084.3	1083.7	1083.1
150°	1112.3	1109.1	1107.5	1108.2	1109.6	1111.0	1112.4	1113.8	1112.4	1111.0	1109.6
152.5°	1135.5	1132.5	1131.0	1131.8	1133.4	1135.0	1136.6	1138.2	1136.6	1135.0	1133.4
155°	1157.2	1154.8	1153.6	1154.5	1156.3	1158.1	1159.9	1161.7	1159.9	1158.1	1156.3
157.5°	1176.2	1174.4	1173.5	1174.3	1175.9	1177.5	1179.1	1180.7	1179.1	1177.5	1175.9
160°	1193.3	1192.1	1191.5	1192.1	1193.3	1194.6	1195.8	1197.0	1195.8	1194.6	1193.3
162.5°	1207.5	1206.5	1206.0	1206.6	1207.8	1209.0	1210.2	1211.4	1210.2	1209.0	1207.8
165°	1219.6	1219.0	1218.7	1219.3	1220.5	1221.7	1222.9	1224.1	1222.9	1221.7	1220.5
167.5°	1229.5	1228.9	1228.6	1229.2	1230.4	1231.6	1232.8	1234.0	1232.8	1231.6	1230.4
170°	1237.3	1236.9	1236.7	1237.3	1238.5	1239.8	1241.0	1242.2	1241.0	1239.8	1238.5
172.5°	1242.8	1242.4	1242.2	1242.8	1244.0	1245.2	1246.4	1247.6	1246.4	1245.2	1244.0
175°	1246.4	1246.0	1245.8	1246.5	1247.9	1249.3	1250.7	1252.1	1250.7	1249.3	1247.9
177.5°	1247.9	1247.7	1247.6	1248.3	1249.7	1251.1	1252.5	1253.9	1252.5	1251.1	1249.7
180°	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4

TEST NUMBER: P999632

CATALOG NUMBER: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

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°	9.7	10.8	11.6	13.2	14.9	16.5	18.1	19.1	20.1	21.1	22.1
92.5°	19.4	19.0	19.3	19.9	20.5	21.1	21.7	22.1	22.5	22.9	23.3
95°	32.2	28.9	29.6	31.0	32.5	33.9	35.3	36.3	37.3	38.3	39.3
97.5°	39.8	31.6	33.2	36.4	39.7	42.9	46.1	46.7	47.3	47.9	48.5
100°	50.0	36.2	37.9	41.3	44.7	48.1	51.5	53.1	54.7	56.4	58.0
102.5°	218.1	217.9	199.6	163.0	126.5	89.9	53.3	55.5	57.7	60.0	62.2
105°	299.0	302.0	274.6	219.7	164.8	110.0	55.1	57.3	59.5	61.8	64.0
107.5°	359.1	361.6	327.8	260.1	192.4	124.7	57.0	59.2	61.4	63.6	65.8
110°	417.4	419.5	390.5	332.4	274.3	216.3	158.2	138.1	118.0	97.9	77.8

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	472.8	474.6	472.9	469.5	466.1	462.7	459.3	372.7	286.1	199.5	112.9
115°	533.5	535.2	537.7	542.7	547.8	552.8	557.8	464.8	371.8	278.7	185.7
117.5°	589.2	591.2	592.9	596.3	599.8	603.2	606.6	577.9	549.1	520.4	491.7
120°	644.9	646.4	648.2	651.8	655.5	659.1	662.7	665.1	667.5	669.9	672.3
122.5°	696.3	697.9	699.9	703.9	708.0	712.0	716.0	717.2	718.4	719.6	720.8
125°	745.4	746.7	748.6	752.4	756.3	760.1	763.9	765.3	766.7	768.2	769.6
127.5°	793.3	794.7	796.2	799.2	802.2	805.2	808.2	810.2	812.2	814.3	816.3
130°	839.2	840.8	841.9	844.1	846.3	848.5	850.7	852.9	855.1	857.4	859.6
132.5°	882.0	883.3	884.4	886.6	888.8	891.0	893.2	895.0	896.8	898.6	900.4
135°	922.3	923.9	924.8	926.6	928.5	930.3	932.1	934.1	936.1	938.1	940.1
137.5°	958.9	960.1	961.1	963.1	965.1	967.1	969.1	971.1	973.1	975.2	977.2
140°	994.6	995.4	996.5	998.7	1000.9	1003.1	1005.3	1007.1	1008.9	1010.7	1012.5
142.5°	1026.3	1027.0	1028.3	1030.9	1033.6	1036.2	1038.8	1040.4	1042.0	1043.6	1045.2
145°	1054.2	1054.1	1055.8	1059.2	1062.7	1066.1	1069.5	1070.9	1072.3	1073.7	1075.1
147.5°	1082.5	1082.2	1083.9	1087.3	1090.7	1094.1	1097.5	1098.5	1099.5	1100.5	1101.5
150°	1108.2	1107.5	1109.1	1112.3	1115.5	1118.7	1121.9	1123.1	1124.3	1125.6	1126.8
152.5°	1131.8	1131.0	1132.5	1135.5	1138.5	1141.5	1144.5	1145.7	1146.9	1148.2	1149.4
155°	1154.5	1153.6	1154.8	1157.2	1159.6	1162.0	1164.4	1165.6	1166.8	1168.0	1169.2
157.5°	1174.3	1173.5	1174.4	1176.2	1178.0	1179.8	1181.6	1183.0	1184.4	1185.8	1187.2
160°	1192.1	1191.5	1192.1	1193.3	1194.6	1195.8	1197.0	1198.2	1199.4	1200.6	1201.8
162.5°	1206.6	1206.0	1206.5	1207.5	1208.5	1209.5	1210.5	1211.9	1213.3	1214.8	1216.2
165°	1219.3	1218.7	1219.0	1219.6	1220.2	1220.8	1221.4	1222.8	1224.2	1225.6	1227.0
167.5°	1229.2	1228.6	1228.9	1229.5	1230.1	1230.7	1231.3	1232.7	1234.1	1235.5	1236.9
170°	1237.3	1236.7	1236.9	1237.3	1237.8	1238.2	1238.6	1240.0	1241.4	1242.8	1244.2
172.5°	1242.8	1242.2	1242.4	1242.8	1243.2	1243.6	1244.0	1245.4	1246.8	1248.2	1249.6
175°	1246.5	1245.8	1246.0	1246.4	1246.8	1247.2	1247.6	1249.0	1250.4	1251.8	1253.2
177.5°	1248.3	1247.6	1247.7	1247.9	1248.1	1248.3	1248.5	1249.9	1251.3	1252.7	1254.1
180°	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4

TEST NUMBER: P999632

CATALOG NUMBER: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

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°	22.6	22.8	23.2	23.6	24.0	24.4	24.0	23.6	23.2	22.8	22.6
92.5°	23.5	23.6	23.8	24.0	24.2	24.4	24.2	24.0	23.8	23.6	23.5
95°	39.8	39.7	39.5	39.3	39.1	38.9	39.1	39.3	39.5	39.7	39.8
97.5°	48.8	48.9	49.1	49.3	49.5	49.7	49.5	49.3	49.1	48.9	48.8
100°	58.8	59.0	59.4	59.8	60.2	60.6	60.2	59.8	59.4	59.0	58.8
102.5°	63.3	63.6	64.2	64.8	65.4	66.0	65.4	64.8	64.2	63.6	63.3
105°	65.1	65.5	66.3	67.1	67.9	68.7	67.9	67.1	66.3	65.5	65.1
107.5°	66.9	67.3	68.1	68.9	69.7	70.5	69.7	68.9	68.1	67.3	66.9
110°	67.8	68.2	69.0	69.8	70.6	71.4	70.6	69.8	69.0	68.2	67.8

TEST NUMBER: P999632

CATALOG NUMBER: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	69.6	69.9	70.5	71.1	71.7	72.3	71.7	71.1	70.5	69.9	69.6
115°	139.2	132.0	117.5	103.0	88.6	74.1	88.6	103.0	117.5	132.0	139.2
117.5°	477.3	451.0	398.4	345.7	293.1	240.5	293.1	345.7	398.4	451.0	477.3
120°	673.5	659.9	632.8	605.7	578.6	551.5	578.6	605.7	632.8	659.9	673.5
122.5°	721.4	721.5	721.7	721.9	722.1	722.3	722.1	721.9	721.7	721.5	721.4
125°	770.3	770.6	771.2	771.8	772.4	773.0	772.4	771.8	771.2	770.6	770.3
127.5°	817.3	817.4	817.6	817.8	818.0	818.2	818.0	817.8	817.6	817.4	817.3
130°	860.7	860.6	860.4	860.2	860.0	859.8	860.0	860.2	860.4	860.6	860.7
132.5°	901.3	901.2	901.0	900.8	900.6	900.4	900.6	900.8	901.0	901.2	901.3
135°	941.1	940.9	940.5	940.1	939.7	939.3	939.7	940.1	940.5	940.9	941.1
137.5°	978.2	977.9	977.3	976.7	976.1	975.5	976.1	976.7	977.3	977.9	978.2
140°	1013.4	1012.9	1011.9	1010.9	1009.9	1008.9	1009.9	1010.9	1011.9	1012.9	1013.4
142.5°	1046.0	1045.5	1044.5	1043.5	1042.5	1041.5	1042.5	1043.5	1044.5	1045.5	1046.0
145°	1075.8	1075.3	1074.3	1073.3	1072.3	1071.3	1072.3	1073.3	1074.3	1075.3	1075.8
147.5°	1102.0	1101.6	1100.8	1100.0	1099.2	1098.4	1099.2	1100.0	1100.8	1101.6	1102.0
150°	1127.4	1126.9	1125.9	1124.8	1123.8	1122.8	1123.8	1124.8	1125.9	1126.9	1127.4
152.5°	1150.0	1149.3	1147.9	1146.4	1145.0	1143.6	1145.0	1146.4	1147.9	1149.3	1150.0
155°	1169.8	1169.0	1167.4	1165.8	1164.2	1162.6	1164.2	1165.8	1167.4	1169.0	1169.8
157.5°	1187.9	1187.1	1185.5	1183.9	1182.3	1180.7	1182.3	1183.9	1185.5	1187.1	1187.9
160°	1202.4	1201.7	1200.3	1198.9	1197.5	1196.1	1197.5	1198.9	1200.3	1201.7	1202.4
162.5°	1216.9	1216.0	1214.2	1212.3	1210.5	1208.7	1210.5	1212.3	1214.2	1216.0	1216.9
165°	1227.7	1227.0	1225.6	1224.2	1222.8	1221.4	1222.8	1224.2	1225.6	1227.0	1227.7
167.5°	1237.6	1236.7	1234.9	1233.1	1231.3	1229.5	1231.3	1233.1	1234.9	1236.7	1237.6
170°	1244.9	1244.0	1242.2	1240.3	1238.5	1236.7	1238.5	1240.3	1242.2	1244.0	1244.9
172.5°	1250.3	1249.4	1247.6	1245.8	1244.0	1242.2	1244.0	1245.8	1247.6	1249.4	1250.3
175°	1253.9	1252.9	1250.9	1248.9	1246.9	1244.9	1246.9	1248.9	1250.9	1252.9	1253.9
177.5°	1254.8	1253.9	1252.1	1250.3	1248.5	1246.7	1248.5	1250.3	1252.1	1253.9	1254.8
180°	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4

TEST NUMBER: P999632

CATALOG NUMBER: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

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°	22.1	21.1	20.1	19.1	18.1	16.5	14.9	13.2	11.6	10.8	9.7
92.5°	23.3	22.9	22.5	22.1	21.7	21.1	20.5	19.9	19.3	19.0	19.4
95°	39.3	38.3	37.3	36.3	35.3	33.9	32.5	31.0	29.6	28.9	32.2
97.5°	48.5	47.9	47.3	46.7	46.1	42.9	39.7	36.4	33.2	31.6	39.8
100°	58.0	56.4	54.7	53.1	51.5	48.1	44.7	41.3	37.9	36.2	50.0
102.5°	62.2	60.0	57.7	55.5	53.3	89.9	126.5	163.0	199.6	217.9	218.1
105°	64.0	61.8	59.5	57.3	55.1	110.0	164.8	219.7	274.6	302.0	299.0
107.5°	65.8	63.6	61.4	59.2	57.0	124.7	192.4	260.1	327.8	361.6	359.1
110°	77.8	97.9	118.0	138.1	158.2	216.3	274.3	332.4	390.5	419.5	417.4

TEST NUMBER: P999632

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	112.9	199.5	286.1	372.7	459.3	462.7	466.1	469.5	472.9	474.6	472.8
115°	185.7	278.7	371.8	464.8	557.8	552.8	547.8	542.7	537.7	535.2	533.5
117.5°	491.7	520.4	549.1	577.9	606.6	603.2	599.8	596.3	592.9	591.2	589.2
120°	672.3	669.9	667.5	665.1	662.7	659.1	655.5	651.8	648.2	646.4	644.9
122.5°	720.8	719.6	718.4	717.2	716.0	712.0	708.0	703.9	699.9	697.9	696.3
125°	769.6	768.2	766.7	765.3	763.9	760.1	756.3	752.4	748.6	746.7	745.4
127.5°	816.3	814.3	812.2	810.2	808.2	805.2	802.2	799.2	796.2	794.7	793.3
130°	859.6	857.4	855.1	852.9	850.7	848.5	846.3	844.1	841.9	840.8	839.2
132.5°	900.4	898.6	896.8	895.0	893.2	891.0	888.8	886.6	884.4	883.3	882.0
135°	940.1	938.1	936.1	934.1	932.1	930.3	928.5	926.6	924.8	923.9	922.3
137.5°	977.2	975.2	973.1	971.1	969.1	967.1	965.1	963.1	961.1	960.1	958.9
140°	1012.5	1010.7	1008.9	1007.1	1005.3	1003.1	1000.9	998.7	996.5	995.4	994.6
142.5°	1045.2	1043.6	1042.0	1040.4	1038.8	1036.2	1033.6	1030.9	1028.3	1027.0	1026.3
145°	1075.1	1073.7	1072.3	1070.9	1069.5	1066.1	1062.7	1059.2	1055.8	1054.1	1054.2
147.5°	1101.5	1100.5	1099.5	1098.5	1097.5	1094.1	1090.7	1087.3	1083.9	1082.2	1082.5
150°	1126.8	1125.6	1124.3	1123.1	1121.9	1118.7	1115.5	1112.3	1109.1	1107.5	1108.2
152.5°	1149.4	1148.2	1146.9	1145.7	1144.5	1141.5	1138.5	1135.5	1132.5	1131.0	1131.8
155°	1169.2	1168.0	1166.8	1165.6	1164.4	1162.0	1159.6	1157.2	1154.8	1153.6	1154.5
157.5°	1187.2	1185.8	1184.4	1183.0	1181.6	1179.8	1178.0	1176.2	1174.4	1173.5	1174.3
160°	1201.8	1200.6	1199.4	1198.2	1197.0	1195.8	1194.6	1193.3	1192.1	1191.5	1192.1
162.5°	1216.2	1214.8	1213.3	1211.9	1210.5	1209.5	1208.5	1207.5	1206.5	1206.0	1206.6
165°	1227.0	1225.6	1224.2	1222.8	1221.4	1220.8	1220.2	1219.6	1219.0	1218.7	1219.3
167.5°	1236.9	1235.5	1234.1	1232.7	1231.3	1230.7	1230.1	1229.5	1228.9	1228.6	1229.2
170°	1244.2	1242.8	1241.4	1240.0	1238.6	1238.2	1237.8	1237.3	1236.9	1236.7	1237.3
172.5°	1249.6	1248.2	1246.8	1245.4	1244.0	1243.6	1243.2	1242.8	1242.4	1242.2	1242.8
175°	1253.2	1251.8	1250.4	1249.0	1247.6	1247.2	1246.8	1246.4	1246.0	1245.8	1246.5
177.5°	1254.1	1252.7	1251.3	1249.9	1248.5	1248.3	1248.1	1247.9	1247.7	1247.6	1248.3
180°	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4

TEST NUMBER: P999632

CATALOG NUMBER: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

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°	7.5	5.3	3.1	0.9
92.5°	20.2	21.0	21.8	22.6
95°	38.9	45.5	52.2	58.8
97.5°	56.3	72.8	89.3	105.8
100°	77.5	105.0	132.5	160.0
102.5°	218.5	218.9	219.3	219.7
105°	292.9	286.9	280.8	274.8
107.5°	354.1	349.0	344.0	339.0
110°	413.2	408.9	404.7	400.5



TEST NUMBER: P999632

CATALOG NUMBER: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	469.2	465.6	462.0	458.4
115°	530.1	526.6	523.2	519.8
117.5°	585.2	581.2	577.2	573.2
120°	641.9	638.8	635.8	632.8
122.5°	693.1	689.9	686.7	683.5
125°	742.8	740.2	737.6	735.0
127.5°	790.5	787.6	784.8	782.0
130°	836.0	832.7	829.5	826.3
132.5°	879.4	876.7	874.1	871.5
135°	919.1	915.9	912.7	909.5
137.5°	956.5	954.1	951.7	949.3
140°	993.0	991.3	989.7	988.1
142.5°	1024.9	1023.5	1022.1	1020.7
145°	1054.4	1054.6	1054.8	1055.0
147.5°	1083.1	1083.7	1084.3	1084.9
150°	1109.6	1111.0	1112.4	1113.8
152.5°	1133.4	1135.0	1136.6	1138.2
155°	1156.3	1158.1	1159.9	1161.7
157.5°	1175.9	1177.5	1179.1	1180.7
160°	1193.3	1194.6	1195.8	1197.0
162.5°	1207.8	1209.0	1210.2	1211.4
165°	1220.5	1221.7	1222.9	1224.1
167.5°	1230.4	1231.6	1232.8	1234.0
170°	1238.5	1239.8	1241.0	1242.2
172.5°	1244.0	1245.2	1246.4	1247.6
175°	1247.9	1249.3	1250.7	1252.1
177.5°	1249.7	1251.1	1252.5	1253.9
180°	1249.4	1249.4	1249.4	1249.4

(END OF REPORT)