

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: P999635

Luminaire Tested: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_5000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P999635
REPORT IS A COMBINATION OF REPORTS P988188 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_5000K
Description: Define 2 Regressed Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015}
{m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

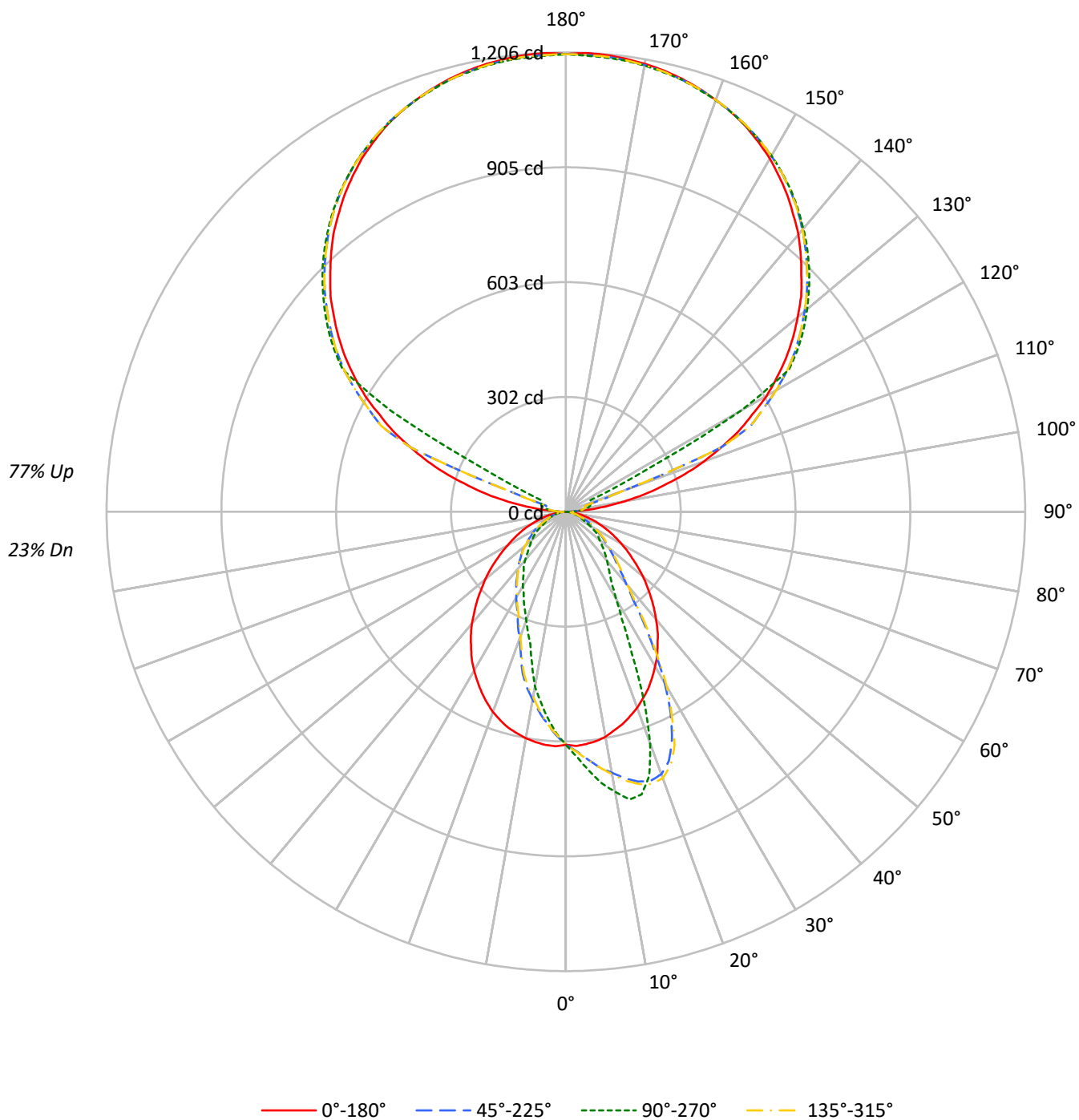
Lumens per Lamp: N/A
Luminaire Lumens: 4581.0 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

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					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	23
1	92	88	84	81	82	78	75	73	60	58	57	44	42	41	28	28	27	27	27	20
2	84	77	72	67	75	69	64	60	53	50	47	39	37	35	25	24	23	23	23	17
3	77	68	61	56	68	61	55	51	47	43	40	35	32	30	23	21	20	20	20	15
4	70	61	53	48	62	54	48	43	42	38	35	31	28	26	21	19	18	18	18	14
5	65	54	46	41	57	48	42	37	38	33	30	28	25	23	19	17	16	16	16	12
6	60	48	41	35	53	43	37	32	34	30	26	25	22	20	17	15	14	14	14	11
7	55	44	36	31	49	39	33	28	31	26	23	23	20	18	16	14	13	13	13	10
8	51	40	32	27	45	36	29	25	28	24	20	21	18	16	15	13	11	11	11	9
9	48	36	29	24	42	33	27	22	26	21	18	19	17	14	14	12	10	10	10	8
10	44	33	26	22	40	30	24	20	24	19	16	18	15	13	13	11	10	10	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9681	9681	9681	9681
5°	9705	10284	9738	8215
10°	9597	10870	9666	6785
15°	9390	10874	9549	5096
20°	9140	8988	9338	4205
25°	8836	5615	9026	3577
30°	8447	3595	8677	3080
35°	7975	2763	8235	2635
40°	7450	2323	7768	2305
45°	6888	1978	7177	1935
50°	6313	1679	6607	1674
55°	5673	1459	5979	1441
60°	5107	1113	5377	1099
65°	4579	838	4849	951
70°	3993	669	4309	775
75°	3379	513	3686	586
80°	2683	349	2882	385
85°	1865	181	2048	190

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 8856 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	1.3
10°-20°	161.9	3.5
20°-30°	208.4	4.5
30°-40°	197.7	4.3
40°-50°	169.5	3.7
50°-60°	129.0	2.8
60°-70°	81.4	1.8
70°-80°	40.6	0.9
80°-90°	12.6	0.3
90°-100°	39.6	0.9
100°-110°	147.7	3.2
110°-120°	391.6	8.5
120°-130°	649.6	14.2
130°-140°	690.0	15.1
140°-150°	641.3	14.0
150°-160°	515.6	11.3
160°-170°	332.2	7.3
170°-180°	114.3	2.5
0°-30°	428.4	9.4
0°-40°	626.1	13.7
0°-60°	924.6	20.2
0°-90°	1059.1	23.1
90°-120°	578.9	12.6
90°-150°	2559.8	55.9
90°-180°	3522.0	76.9
0°-180°	4581.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	612	612	612	612	612	
5°	612	680	614	544	612	58
15°	577	768	587	360	577	162
25°	512	410	523	261	512	235
35°	420	202	434	192	420	263
45°	315	140	329	137	315	243
55°	213	97	224	96	213	192
65°	129	51	136	57	129	128
75°	60	27	66	31	60	65
85°	13	8	14	8	13	15
90°	1	24	1	24	1	4
95°	56	37	56	37	56	67
105°	264	66	264	66	264	282
115°	500	71	500	71	500	492
125°	707	743	707	743	707	630
135°	874	903	874	903	874	676
145°	1014	1030	1014	1030	1014	634
155°	1117	1118	1117	1118	1117	515
165°	1177	1174	1177	1174	1177	333
175°	1204	1197	1204	1197	1204	115
180°	1201	1201	1201	1201	1201	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6
2.5°	615.5	618.0	619.3	621.0	624.8	627.4	631.2	632.0	631.6	633.3	628.6
5°	612.1	617.6	622.7	626.9	633.7	638.0	642.7	648.2	649.5	655.9	652.0
7.5°	607.4	615.5	622.7	631.2	641.4	646.9	654.2	662.7	666.5	674.1	676.3
10°	599.7	611.2	623.5	632.5	646.5	656.3	663.1	676.7	685.6	697.1	695.4
12.5°	587.4	602.3	618.9	633.7	652.0	658.4	671.2	685.2	696.7	707.3	716.6
15°	576.8	593.8	612.1	630.3	651.2	663.1	675.8	694.1	706.4	725.1	733.2
17.5°	562.3	584.0	605.7	626.1	650.8	664.4	680.1	697.9	716.2	734.1	740.4
20°	547.5	570.8	594.2	621.8	649.9	663.1	679.2	701.3	719.2	733.2	733.2
22.5°	529.6	558.1	584.9	611.2	641.8	661.0	677.5	703.5	716.2	719.2	707.7
25°	511.8	540.2	569.6	602.3	637.1	654.2	672.9	697.1	701.3	689.4	659.7
27.5°	490.5	522.4	555.5	590.8	627.4	648.6	665.6	681.8	673.7	641.8	595.5
30°	468.8	503.3	540.7	574.2	618.4	638.0	652.5	657.1	631.6	579.8	519.8
32.5°	446.3	479.9	519.4	559.8	604.4	623.1	632.5	620.1	573.4	507.9	434.8
35°	419.9	457.8	499.0	541.1	585.3	599.3	604.8	574.7	514.7	430.1	357.5
37.5°	396.1	434.0	478.2	521.1	564.0	571.7	566.2	519.0	442.9	359.2	288.2
40°	368.1	408.5	451.8	499.9	535.1	537.3	523.7	462.5	368.1	289.5	245.7
42.5°	342.2	383.0	426.3	475.2	502.0	494.8	476.5	396.1	307.3	249.5	214.2
45°	315.4	354.1	400.8	444.2	463.3	446.3	418.7	333.2	258.0	214.6	187.4
47.5°	289.5	325.6	371.9	413.6	417.0	397.8	365.1	279.3	223.6	188.7	166.6
50°	264.0	300.1	343.4	377.9	374.5	348.1	311.1	242.7	194.2	166.6	148.3
52.5°	238.5	271.2	313.3	340.5	326.0	300.5	264.0	205.7	169.6	145.4	131.3
55°	212.9	243.6	279.7	302.2	279.3	249.9	224.0	176.4	147.1	127.5	116.9
57.5°	191.7	215.9	249.1	262.7	235.1	212.1	189.6	151.7	127.5	113.5	101.2
60°	168.3	190.4	217.6	225.7	197.2	178.5	159.4	128.4	109.2	96.9	88.8
62.5°	148.3	166.6	187.4	187.4	162.4	148.3	133.9	107.5	91.8	82.0	78.2
65°	128.8	142.0	156.8	155.1	133.9	121.6	110.1	88.8	76.9	70.1	66.3
67.5°	109.7	119.9	129.6	123.7	108.4	97.8	87.1	71.8	63.8	59.1	54.0
70°	92.2	100.3	105.4	99.9	84.6	75.7	68.0	57.8	51.4	45.5	42.5
72.5°	77.4	80.8	82.5	75.7	62.9	57.8	52.3	45.1	39.5	36.6	35.7
75°	60.4	63.3	62.1	57.0	46.3	42.5	38.3	33.2	31.9	30.2	29.3
77.5°	47.2	47.2	45.1	40.4	33.2	30.2	28.5	25.9	24.7	24.2	23.4
80°	33.6	33.2	31.9	26.8	22.5	20.8	20.8	19.1	18.7	17.9	17.9
82.5°	22.1	22.1	20.4	16.2	14.9	14.5	14.0	13.2	13.2	12.8	12.8
85°	13.2	12.3	10.2	8.9	8.5	8.5	8.1	7.7	8.1	7.7	7.7
87.5°	6.0	4.7	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
90°	0.9	3.0	5.1	7.2	9.3	10.4	11.2	12.7	14.3	15.8	17.4
92.5°	21.7	20.9	20.2	19.4	18.7	18.3	18.6	19.2	19.7	20.3	20.9
95°	56.5	50.1	43.7	37.4	31.0	27.8	28.5	29.8	31.2	32.5	33.9
97.5°	101.7	85.9	70.0	54.2	38.3	30.4	31.9	35.0	38.1	41.2	44.3
100°	153.9	127.4	101.0	74.5	48.0	34.8	36.4	39.7	43.0	46.2	49.5
102.5°	211.2	210.8	210.4	210.1	209.7	209.5	191.9	156.8	121.6	86.5	51.3
105°	264.3	270.1	275.9	281.6	287.4	290.3	263.9	211.2	158.5	105.7	53.0
107.5°	326.0	330.8	335.6	340.5	345.3	347.7	315.2	250.1	185.0	119.9	54.8
110°	385.1	389.1	393.2	397.2	401.3	403.3	375.4	319.6	263.7	207.9	152.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	440.7	444.2	447.7	451.2	454.7	456.4	454.8	451.5	448.2	444.9	441.6
115°	499.8	503.1	506.4	509.7	513.0	514.6	517.0	521.8	526.7	531.5	536.3
117.5°	551.1	555.0	558.8	562.7	566.6	568.5	570.1	573.4	576.7	580.0	583.3
120°	608.5	611.4	614.3	617.2	620.1	621.5	623.2	626.7	630.2	633.7	637.2
122.5°	657.2	660.3	663.4	666.5	669.6	671.1	673.0	676.9	680.8	684.6	688.5
125°	706.7	709.2	711.7	714.2	716.7	718.0	719.8	723.5	727.2	730.8	734.5
127.5°	751.9	754.6	757.3	760.0	762.7	764.1	765.5	768.4	771.3	774.2	777.1
130°	794.5	797.6	800.7	803.8	806.9	808.4	809.5	811.6	813.7	815.9	818.0
132.5°	838.0	840.5	843.0	845.5	848.0	849.3	850.4	852.5	854.6	856.7	858.8
135°	874.5	877.6	880.7	883.8	886.9	888.4	889.3	891.0	892.7	894.5	896.2
137.5°	912.7	915.0	917.4	919.7	922.0	923.2	924.2	926.1	928.0	930.0	931.9
140°	950.1	951.7	953.2	954.8	956.3	957.1	958.2	960.3	962.4	964.5	966.6
142.5°	981.4	982.8	984.1	985.5	986.8	987.5	988.8	991.3	993.8	996.3	998.8
145°	1014.4	1014.2	1014.0	1013.9	1013.7	1013.6	1015.2	1018.5	1021.8	1025.0	1028.3
147.5°	1043.1	1042.5	1041.9	1041.4	1040.8	1040.5	1042.1	1045.4	1048.7	1052.0	1055.3
150°	1070.9	1069.6	1068.2	1066.9	1065.6	1064.9	1066.4	1069.5	1072.6	1075.7	1078.8
152.5°	1094.4	1092.9	1091.3	1089.8	1088.3	1087.5	1088.9	1091.8	1094.7	1097.6	1100.5
155°	1117.0	1115.3	1113.5	1111.8	1110.1	1109.2	1110.4	1112.7	1115.0	1117.3	1119.6
157.5°	1135.3	1133.7	1132.2	1130.6	1129.1	1128.3	1129.2	1130.9	1132.6	1134.4	1136.1
160°	1150.9	1149.7	1148.6	1147.4	1146.3	1145.7	1146.3	1147.4	1148.6	1149.7	1150.9
162.5°	1164.8	1163.6	1162.5	1161.3	1160.2	1159.6	1160.1	1161.1	1162.0	1163.0	1164.0
165°	1177.0	1175.8	1174.7	1173.5	1172.4	1171.8	1172.1	1172.7	1173.2	1173.8	1174.4
167.5°	1186.6	1185.4	1184.2	1183.1	1181.9	1181.3	1181.6	1182.2	1182.7	1183.3	1183.9
170°	1194.4	1193.2	1192.1	1190.9	1189.8	1189.2	1189.4	1189.8	1190.1	1190.5	1190.9
172.5°	1199.6	1198.4	1197.3	1196.1	1195.0	1194.4	1194.6	1195.0	1195.3	1195.7	1196.1
175°	1203.9	1202.6	1201.2	1199.9	1198.6	1197.9	1198.1	1198.5	1198.8	1199.2	1199.6
177.5°	1205.7	1204.3	1203.0	1201.6	1200.3	1199.6	1199.7	1199.9	1200.1	1200.3	1200.5
180°	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6
2.5°	633.3	634.2	635.4	641.4	642.2	643.9	643.1	643.1	643.5	642.7	643.1
5°	660.5	661.8	668.2	675.4	677.1	675.4	677.5	680.5	680.5	680.5	679.7
7.5°	686.0	690.7	697.9	708.6	710.7	712.8	716.6	714.1	714.9	718.8	717.5
10°	710.7	717.5	725.6	734.5	739.2	742.1	743.8	747.7	756.6	746.4	750.2
12.5°	734.1	743.8	752.3	762.1	765.5	769.3	770.6	774.0	774.0	773.6	776.6
15°	749.4	758.3	765.9	772.3	773.2	772.3	771.5	771.9	773.2	768.1	771.0
17.5°	752.8	753.6	756.2	753.6	754.0	745.1	740.0	738.7	726.8	727.3	737.0
20°	736.2	721.7	717.9	703.9	695.4	672.4	671.6	665.2	640.1	647.8	646.1
22.5°	690.7	666.1	633.3	617.2	609.1	584.9	566.2	553.0	544.1	535.1	531.3
25°	630.8	590.8	544.5	512.6	507.9	485.4	451.0	434.8	415.7	409.7	419.9
27.5°	553.4	501.6	449.3	400.4	391.5	371.1	353.6	342.2	320.1	318.8	319.6
30°	448.4	396.1	352.4	320.5	298.4	289.0	277.6	269.1	260.1	263.5	264.4
32.5°	368.5	318.8	278.0	261.0	250.8	244.8	235.1	229.5	225.7	224.4	224.0
35°	292.9	259.7	241.4	224.9	218.9	214.6	207.4	204.9	201.5	201.9	201.9
37.5°	250.8	223.2	209.5	201.0	195.5	193.4	188.7	186.2	184.0	183.2	184.5
40°	216.4	197.2	188.7	181.1	176.4	175.5	173.0	170.0	167.5	167.9	169.2
42.5°	191.3	180.2	170.0	164.1	160.7	159.4	157.3	155.1	155.1	153.9	153.4
45°	171.3	162.4	153.9	148.3	146.2	144.5	142.0	141.5	139.8	140.3	140.7
47.5°	153.4	146.2	139.8	134.3	132.2	131.8	129.2	127.5	127.5	127.1	126.7
50°	137.3	130.1	124.5	121.6	118.6	117.7	117.3	116.9	116.0	116.0	116.5
52.5°	124.1	116.9	112.6	110.1	108.4	107.5	107.5	107.1	107.1	107.1	106.7
55°	109.7	103.7	100.3	99.5	98.6	98.2	97.8	96.9	96.5	97.3	96.5
57.5°	96.1	93.9	91.0	90.1	88.0	88.0	86.7	85.9	85.0	85.9	85.9
60°	85.4	82.5	80.8	78.2	76.5	74.8	72.7	72.3	71.4	71.0	70.6
62.5°	74.4	71.8	67.6	63.8	61.2	59.5	58.7	58.2	58.2	57.8	57.8
65°	62.1	56.1	54.0	52.7	52.3	51.9	51.0	50.6	51.0	50.6	51.0
67.5°	48.5	47.6	46.3	45.5	45.1	44.6	44.6	44.2	44.2	44.2	44.2
70°	42.1	40.0	39.5	38.7	38.7	38.3	38.3	38.3	38.3	37.8	38.7
72.5°	34.9	33.6	33.2	32.7	32.7	32.7	32.3	32.3	32.3	31.9	32.3
75°	28.5	28.1	27.2	27.2	26.8	27.2	26.8	26.8	26.4	26.8	26.8
77.5°	23.0	22.5	22.1	22.1	21.7	21.7	21.7	21.7	21.7	21.7	22.1
80°	17.4	17.0	16.6	17.0	16.6	17.0	16.6	16.6	17.0	16.6	16.6
82.5°	12.8	12.3	12.3	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
85°	7.7	7.2	7.2	7.7	7.2	7.7	7.2	7.2	7.2	7.7	7.7
87.5°	3.4	3.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.8
90°	18.4	19.3	20.3	21.2	21.7	21.9	22.3	22.7	23.1	23.5	23.1
92.5°	21.3	21.7	22.0	22.4	22.6	22.7	22.9	23.1	23.3	23.5	23.3
95°	34.9	35.8	36.8	37.7	38.2	38.1	37.9	37.8	37.6	37.4	37.6
97.5°	44.9	45.5	46.0	46.6	46.9	47.0	47.2	47.4	47.6	47.8	47.6
100°	51.1	52.6	54.2	55.7	56.5	56.7	57.1	57.4	57.8	58.2	57.8
102.5°	53.4	55.5	57.6	59.7	60.8	61.1	61.7	62.3	62.9	63.5	62.9
105°	55.1	57.3	59.4	61.5	62.6	63.0	63.8	64.5	65.3	66.1	65.3
107.5°	56.9	59.0	61.1	63.2	64.3	64.7	65.5	66.2	67.0	67.8	67.0
110°	132.8	113.5	94.2	74.9	65.2	65.6	66.4	67.1	67.9	68.7	67.9

TEST NUMBER: P999635

CATALOG NUMBER: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	358.3	275.1	191.8	108.5	66.9	67.2	67.8	68.3	68.9	69.5	68.9
115°	446.9	357.5	268.0	178.6	133.9	126.9	113.0	99.1	85.2	71.3	85.2
117.5°	555.7	528.1	500.4	472.8	459.0	433.7	383.1	332.4	281.8	231.2	281.8
120°	639.5	641.8	644.1	646.4	647.6	634.6	608.5	582.4	556.4	530.3	556.4
122.5°	689.7	690.8	692.0	693.1	693.7	693.8	694.0	694.1	694.3	694.5	694.3
125°	735.9	737.2	738.6	739.9	740.6	740.9	741.5	742.0	742.6	743.2	742.6
127.5°	779.0	781.0	782.9	784.8	785.8	785.9	786.1	786.3	786.5	786.7	786.5
130°	820.1	822.2	824.3	826.4	827.5	827.4	827.2	827.1	826.9	826.7	826.9
132.5°	860.6	862.3	864.1	865.8	866.7	866.6	866.4	866.2	866.0	865.8	866.0
135°	898.1	900.1	902.0	903.9	904.9	904.7	904.3	904.0	903.6	903.2	903.6
137.5°	933.8	935.8	937.7	939.6	940.6	940.3	939.7	939.1	938.5	937.9	938.5
140°	968.4	970.1	971.9	973.6	974.5	974.0	973.0	972.1	971.1	970.1	971.1
142.5°	1000.3	1001.9	1003.4	1004.9	1005.7	1005.2	1004.3	1003.3	1002.4	1001.4	1002.4
145°	1029.7	1031.0	1032.4	1033.7	1034.4	1033.9	1033.0	1032.0	1031.1	1030.1	1031.1
147.5°	1056.3	1057.2	1058.2	1059.1	1059.6	1059.2	1058.5	1057.7	1057.0	1056.2	1057.0
150°	1080.0	1081.1	1082.3	1083.4	1084.0	1083.5	1082.5	1081.6	1080.6	1079.6	1080.6
152.5°	1101.7	1102.8	1104.0	1105.1	1105.7	1105.0	1103.7	1102.3	1101.0	1099.6	1101.0
155°	1120.8	1121.9	1123.1	1124.2	1124.8	1124.0	1122.5	1121.0	1119.4	1117.9	1119.4
157.5°	1137.5	1138.8	1140.2	1141.5	1142.2	1141.4	1139.9	1138.4	1136.8	1135.3	1136.8
160°	1152.1	1153.2	1154.4	1155.5	1156.1	1155.4	1154.1	1152.7	1151.4	1150.0	1151.4
162.5°	1165.3	1166.7	1168.0	1169.3	1170.0	1169.1	1167.4	1165.7	1163.9	1162.2	1163.9
165°	1175.8	1177.1	1178.5	1179.8	1180.5	1179.8	1178.5	1177.1	1175.8	1174.4	1175.8
167.5°	1185.3	1186.6	1188.0	1189.3	1190.0	1189.1	1187.4	1185.7	1183.9	1182.2	1183.9
170°	1192.3	1193.6	1195.0	1196.3	1197.0	1196.1	1194.4	1192.7	1190.9	1189.2	1190.9
172.5°	1197.5	1198.8	1200.2	1201.5	1202.2	1201.3	1199.6	1197.9	1196.1	1194.4	1196.1
175°	1201.0	1202.3	1203.7	1205.0	1205.7	1204.7	1202.8	1200.9	1198.9	1197.0	1198.9
177.5°	1201.8	1203.2	1204.5	1205.8	1206.5	1205.6	1203.9	1202.2	1200.4	1198.7	1200.4
180°	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3

TEST NUMBER: P999635

CATALOG NUMBER: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6
2.5°	644.8	641.8	641.0	641.8	641.0	641.4	638.4	627.4	630.3	625.7	628.2
5°	681.4	678.8	673.3	672.4	671.6	670.7	666.5	656.7	652.9	646.5	646.1
7.5°	716.2	716.2	712.0	709.0	705.2	702.2	696.7	682.2	676.3	668.6	664.4
10°	750.6	739.6	744.3	741.3	731.9	730.2	720.0	711.5	700.1	692.4	685.6
12.5°	775.3	771.9	767.6	765.1	762.5	757.0	750.2	728.5	722.6	707.3	699.6
15°	774.4	772.3	773.6	773.6	772.7	771.5	765.9	750.2	740.0	725.1	712.0
17.5°	732.8	738.3	743.8	747.7	756.2	760.0	765.1	755.7	749.4	736.6	722.6
20°	660.1	673.7	689.9	693.3	700.9	723.4	733.6	741.7	744.3	740.0	728.5
22.5°	558.9	570.4	609.5	608.7	619.7	646.5	676.3	700.5	719.6	730.2	726.0
25°	437.8	454.0	474.8	490.5	526.6	566.6	603.6	642.2	675.4	704.7	712.0
27.5°	331.1	352.4	368.9	389.8	408.0	455.2	502.8	563.2	601.9	657.6	686.5
30°	267.8	277.6	294.1	303.9	312.8	349.0	402.9	462.5	530.5	594.6	644.4
32.5°	228.7	235.5	247.8	252.1	261.4	285.6	319.6	374.0	444.2	522.0	587.4
35°	205.3	212.5	215.1	218.9	226.6	241.9	265.2	304.8	368.1	444.2	522.4
37.5°	185.3	189.1	196.4	198.9	201.5	212.9	228.7	256.3	298.4	360.9	447.6
40°	171.3	173.4	177.2	179.4	181.1	189.1	203.2	221.9	252.9	300.5	380.4
42.5°	156.4	159.0	161.5	164.1	166.2	172.6	181.1	198.9	219.8	255.9	313.7
45°	142.0	143.7	146.6	148.3	151.3	156.4	164.1	176.4	195.1	218.1	264.8
47.5°	128.8	130.9	132.2	134.3	136.4	142.0	149.2	157.3	172.6	195.1	229.1
50°	116.9	119.4	121.1	121.6	123.3	128.4	134.3	143.2	153.0	170.4	200.2
52.5°	108.4	108.8	110.1	111.8	111.4	114.3	119.9	126.7	136.9	150.9	172.6
55°	98.6	99.9	100.7	101.2	101.2	103.7	106.7	113.1	121.1	132.6	150.9
57.5°	86.3	87.6	90.1	91.0	92.2	93.5	94.8	99.0	105.8	116.9	131.8
60°	73.5	74.4	76.9	78.6	79.5	82.9	84.6	88.0	91.8	99.9	113.9
62.5°	59.1	59.9	61.2	62.9	64.6	69.7	74.0	77.4	80.3	85.9	97.3
65°	51.4	51.9	52.7	53.1	53.6	55.7	59.5	64.2	69.7	74.0	80.8
67.5°	44.6	45.1	45.5	46.3	46.8	47.2	48.9	50.2	55.7	61.6	66.7
70°	38.3	39.1	39.5	39.5	40.0	40.8	41.7	43.4	45.1	48.0	54.4
72.5°	32.3	32.7	33.6	33.6	33.6	34.4	35.3	36.1	37.0	38.7	41.2
75°	26.8	27.6	27.6	27.6	28.1	28.1	28.9	29.8	30.6	31.9	32.7
77.5°	22.1	22.1	22.1	22.1	22.5	22.5	23.0	23.8	24.2	24.7	25.5
80°	16.6	17.0	17.0	17.0	17.4	17.4	17.4	18.3	18.7	18.7	19.6
82.5°	12.3	12.3	12.3	12.8	12.3	12.8	12.8	13.2	12.8	13.2	13.6
85°	7.7	7.7	7.7	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.5
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.3	3.8	3.8
90°	22.7	22.3	21.9	21.7	21.2	20.3	19.3	18.4	17.4	15.8	14.3
92.5°	23.1	22.9	22.7	22.6	22.4	22.0	21.7	21.3	20.9	20.3	19.7
95°	37.8	37.9	38.1	38.2	37.7	36.8	35.8	34.9	33.9	32.5	31.2
97.5°	47.4	47.2	47.0	46.9	46.6	46.0	45.5	44.9	44.3	41.2	38.1
100°	57.4	57.1	56.7	56.5	55.7	54.2	52.6	51.1	49.5	46.2	43.0
102.5°	62.3	61.7	61.1	60.8	59.7	57.6	55.5	53.4	51.3	46.5	121.6
105°	64.5	63.8	63.0	62.6	61.5	59.4	57.3	55.1	53.0	105.7	158.5
107.5°	66.2	65.5	64.7	64.3	63.2	61.1	59.0	56.9	54.8	119.9	185.0
110°	67.1	66.4	65.6	65.2	74.9	94.2	113.5	132.8	152.1	207.9	263.7

TEST NUMBER: P999635

CATALOG NUMBER: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	68.3	67.8	67.2	66.9	108.5	191.8	275.1	358.3	441.6	444.9	448.2
115°	99.1	113.0	126.9	133.9	178.6	268.0	357.5	446.9	536.3	531.5	526.7
117.5°	332.4	383.1	433.7	459.0	472.8	500.4	528.1	555.7	583.3	580.0	576.7
120°	582.4	608.5	634.6	647.6	646.4	644.1	641.8	639.5	637.2	633.7	630.2
122.5°	694.1	694.0	693.8	693.7	693.1	692.0	690.8	689.7	688.5	684.6	680.8
125°	742.0	741.5	740.9	740.6	739.9	738.6	737.2	735.9	734.5	730.8	727.2
127.5°	786.3	786.1	785.9	785.8	784.8	782.9	781.0	779.0	777.1	774.2	771.3
130°	827.1	827.2	827.4	827.5	826.4	824.3	822.2	820.1	818.0	815.9	813.7
132.5°	866.2	866.4	866.6	866.7	865.8	864.1	862.3	860.6	858.8	856.7	854.6
135°	904.0	904.3	904.7	904.9	903.9	902.0	900.1	898.1	896.2	894.5	892.7
137.5°	939.1	939.7	940.3	940.6	939.6	937.7	935.8	933.8	931.9	930.0	928.0
140°	972.1	973.0	974.0	974.5	973.6	971.9	970.1	968.4	966.6	964.5	962.4
142.5°	1003.3	1004.3	1005.2	1005.7	1004.9	1003.4	1001.9	1000.3	998.8	996.3	993.8
145°	1032.0	1033.0	1033.9	1034.4	1033.7	1032.4	1031.0	1029.7	1028.3	1025.0	1021.8
147.5°	1057.7	1058.5	1059.2	1059.6	1059.1	1058.2	1057.2	1056.3	1055.3	1052.0	1048.7
150°	1081.6	1082.5	1083.5	1084.0	1083.4	1082.3	1081.1	1080.0	1078.8	1075.7	1072.6
152.5°	1102.3	1103.7	1105.0	1105.7	1105.1	1104.0	1102.8	1101.7	1100.5	1097.6	1094.7
155°	1121.0	1122.5	1124.0	1124.8	1124.2	1123.1	1121.9	1120.8	1119.6	1117.3	1115.0
157.5°	1138.4	1139.9	1141.4	1142.2	1141.5	1140.2	1138.8	1137.5	1136.1	1134.4	1132.6
160°	1152.7	1154.1	1155.4	1156.1	1155.5	1154.4	1153.2	1152.1	1150.9	1149.7	1148.6
162.5°	1165.7	1167.4	1169.1	1170.0	1169.3	1168.0	1166.7	1165.3	1164.0	1163.0	1162.0
165°	1177.1	1178.5	1179.8	1180.5	1179.8	1178.5	1177.1	1175.8	1174.4	1173.8	1173.2
167.5°	1185.7	1187.4	1189.1	1190.0	1189.3	1188.0	1186.6	1185.3	1183.9	1183.3	1182.7
170°	1192.7	1194.4	1196.1	1197.0	1196.3	1195.0	1193.6	1192.3	1190.9	1190.5	1190.1
172.5°	1197.9	1199.6	1201.3	1202.2	1201.5	1200.2	1198.8	1197.5	1196.1	1195.7	1195.3
175°	1200.9	1202.8	1204.7	1205.7	1205.0	1203.7	1202.3	1201.0	1199.6	1199.2	1198.8
177.5°	1202.2	1203.9	1205.6	1206.5	1205.8	1204.5	1203.2	1201.8	1200.5	1200.3	1200.1
180°	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3

TEST NUMBER: P999635

CATALOG NUMBER: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6
2.5°	624.4	622.3	622.3	621.0	621.0	614.2	614.2	616.3	613.8	610.8	606.5
5°	640.5	635.9	634.6	632.9	627.4	618.9	615.5	614.2	609.1	602.7	595.5
7.5°	655.9	648.2	644.4	640.5	633.3	621.4	614.6	609.9	602.3	592.5	583.2
10°	670.7	661.0	651.2	646.5	636.3	621.4	611.6	604.0	592.9	579.8	566.6
12.5°	684.3	663.9	662.2	652.9	638.0	621.0	606.1	595.1	581.0	565.7	550.4
15°	696.2	675.4	665.2	656.7	637.1	615.9	600.2	586.6	567.9	550.4	531.7
17.5°	702.2	679.7	672.9	658.8	638.8	611.2	590.0	573.4	553.0	532.2	510.9
20°	708.1	681.8	670.7	661.0	633.7	602.3	578.5	559.4	536.8	512.2	488.8
22.5°	711.1	681.8	668.6	655.0	628.6	592.5	564.5	541.9	515.6	490.5	462.5
25°	706.0	679.2	663.5	649.5	619.7	580.6	548.3	522.8	494.8	466.3	437.8
27.5°	693.3	673.3	655.0	640.5	607.4	565.3	531.3	502.4	473.5	441.6	412.7
30°	669.5	660.5	646.1	629.9	593.8	551.7	511.3	481.6	449.7	417.8	387.6
32.5°	632.5	640.1	630.8	616.7	577.6	533.0	490.1	459.9	425.0	390.6	363.0
35°	587.4	614.6	609.5	599.7	560.6	513.0	470.1	433.6	398.7	363.8	336.2
37.5°	538.1	579.3	583.6	577.6	541.1	492.6	445.5	409.7	374.0	338.8	310.7
40°	470.5	533.9	547.5	550.0	520.7	468.0	418.7	383.8	348.5	314.1	280.1
42.5°	408.5	488.4	505.4	516.0	494.8	443.8	394.0	355.3	320.5	289.5	255.5
45°	350.2	433.6	461.2	474.8	465.4	416.1	364.7	328.6	296.7	268.2	235.5
47.5°	290.3	374.0	412.7	434.4	434.4	388.1	336.6	300.9	270.3	246.1	217.2
50°	250.4	320.1	360.0	388.5	396.1	359.6	311.1	276.3	247.4	221.0	198.9
52.5°	213.4	275.9	309.0	338.8	360.9	329.0	282.7	251.2	222.7	198.1	180.6
55°	184.5	231.2	261.4	294.1	318.8	298.0	255.0	224.4	199.8	179.4	164.5
57.5°	156.8	197.6	222.3	251.2	277.6	261.8	227.4	201.0	179.4	161.5	148.3
60°	133.5	166.6	185.7	208.3	241.0	230.0	201.5	177.2	159.8	143.7	132.6
62.5°	113.5	139.8	156.0	172.1	201.9	196.8	174.7	156.0	141.1	127.5	118.2
65°	93.1	114.8	127.5	141.5	165.3	167.5	149.6	136.4	122.8	110.9	102.4
67.5°	75.2	92.2	103.7	115.6	134.7	140.7	128.4	117.3	105.8	96.1	88.4
70°	60.8	72.7	81.2	90.5	106.3	113.5	107.1	99.5	90.1	82.0	75.2
72.5°	48.0	55.7	60.8	68.0	80.8	88.0	87.6	80.8	74.0	68.4	62.9
75°	35.3	41.2	45.5	50.2	60.4	67.2	68.9	65.9	59.1	54.8	50.6
77.5°	26.8	30.2	32.3	35.7	42.9	48.9	51.4	50.6	45.9	42.5	39.5
80°	20.4	21.3	22.1	23.4	29.3	34.9	36.6	36.1	33.6	32.3	28.9
82.5°	14.5	14.9	15.3	15.7	17.9	22.5	24.2	25.1	23.0	21.7	18.7
85°	8.5	8.9	8.9	9.8	10.2	11.5	14.5	14.5	14.0	12.3	11.9
87.5°	4.3	4.3	3.8	3.8	4.3	4.7	5.5	6.4	5.5	5.1	4.7
90°	12.7	11.2	10.4	9.3	7.2	5.1	3.0	0.9	3.0	5.1	7.2
92.5°	19.2	18.6	18.3	18.7	19.4	20.2	20.9	21.7	20.9	20.2	19.4
95°	29.8	28.5	27.8	31.0	37.4	43.7	50.1	56.5	50.1	43.7	37.4
97.5°	35.0	31.9	30.4	38.3	54.2	70.0	85.9	101.7	85.9	70.0	54.2
100°	39.7	36.4	34.8	48.0	74.5	101.0	127.4	153.9	127.4	101.0	74.5
102.5°	156.8	191.9	209.5	209.7	210.1	210.4	210.8	211.2	210.8	210.4	210.1
105°	211.2	263.9	290.3	287.4	281.6	275.9	270.1	264.3	270.1	275.9	281.6
107.5°	250.1	315.2	347.7	345.3	340.5	335.6	330.8	326.0	330.8	335.6	340.5
110°	319.6	375.4	403.3	401.3	397.2	393.2	389.1	385.1	389.1	393.2	397.2

TEST NUMBER: P999635

CATALOG NUMBER: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	451.5	454.8	456.4	454.7	451.2	447.7	444.2	440.7	444.2	447.7	451.2
115°	521.8	517.0	514.6	513.0	509.7	506.4	503.1	499.8	503.1	506.4	509.7
117.5°	573.4	570.1	568.5	566.6	562.7	558.8	555.0	551.1	555.0	558.8	562.7
120°	626.7	623.2	621.5	620.1	617.2	614.3	611.4	608.5	611.4	614.3	617.2
122.5°	676.9	673.0	671.1	669.6	666.5	663.4	660.3	657.2	660.3	663.4	666.5
125°	723.5	719.8	718.0	716.7	714.2	711.7	709.2	706.7	709.2	711.7	714.2
127.5°	768.4	765.5	764.1	762.7	760.0	757.3	754.6	751.9	754.6	757.3	760.0
130°	811.6	809.5	808.4	806.9	803.8	800.7	797.6	794.5	797.6	800.7	803.8
132.5°	852.5	850.4	849.3	848.0	845.5	843.0	840.5	838.0	840.5	843.0	845.5
135°	891.0	889.3	888.4	886.9	883.8	880.7	877.6	874.5	877.6	880.7	883.8
137.5°	926.1	924.2	923.2	922.0	919.7	917.4	915.0	912.7	915.0	917.4	919.7
140°	960.3	958.2	957.1	956.3	954.8	953.2	951.7	950.1	951.7	953.2	954.8
142.5°	991.3	988.8	987.5	986.8	985.5	984.1	982.8	981.4	982.8	984.1	985.5
145°	1018.5	1015.2	1013.6	1013.7	1013.9	1014.0	1014.2	1014.4	1014.2	1014.0	1013.9
147.5°	1045.4	1042.1	1040.5	1040.8	1041.4	1041.9	1042.5	1043.1	1042.5	1041.9	1041.4
150°	1069.5	1066.4	1064.9	1065.6	1066.9	1068.2	1069.6	1070.9	1069.6	1068.2	1066.9
152.5°	1091.8	1088.9	1087.5	1088.3	1089.8	1091.3	1092.9	1094.4	1092.9	1091.3	1089.8
155°	1112.7	1110.4	1109.2	1110.1	1111.8	1113.5	1115.3	1117.0	1115.3	1113.5	1111.8
157.5°	1130.9	1129.2	1128.3	1129.1	1130.6	1132.2	1133.7	1135.3	1133.7	1132.2	1130.6
160°	1147.4	1146.3	1145.7	1146.3	1147.4	1148.6	1149.7	1150.9	1149.7	1148.6	1147.4
162.5°	1161.1	1160.1	1159.6	1160.2	1161.3	1162.5	1163.6	1164.8	1163.6	1162.5	1161.3
165°	1172.7	1172.1	1171.8	1172.4	1173.5	1174.7	1175.8	1177.0	1175.8	1174.7	1173.5
167.5°	1182.2	1181.6	1181.3	1181.9	1183.1	1184.2	1185.4	1186.6	1185.4	1184.2	1183.1
170°	1189.8	1189.4	1189.2	1189.8	1190.9	1192.1	1193.2	1194.4	1193.2	1192.1	1190.9
172.5°	1195.0	1194.6	1194.4	1195.0	1196.1	1197.3	1198.4	1199.6	1198.4	1197.3	1196.1
175°	1198.5	1198.1	1197.9	1198.6	1199.9	1201.2	1202.6	1203.9	1202.6	1201.2	1199.9
177.5°	1199.9	1199.7	1199.6	1200.3	1201.6	1203.0	1204.3	1205.7	1204.3	1203.0	1201.6
180°	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3

TEST NUMBER: P999635

CATALOG NUMBER: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6
2.5°	604.8	605.3	606.5	602.7	596.8	594.2	586.6	585.3	584.0	584.0	585.3
5°	591.2	589.5	590.0	582.7	574.2	569.1	558.5	560.2	554.7	551.3	552.1
7.5°	576.4	571.7	571.3	561.9	551.3	541.9	530.9	528.3	523.2	517.3	514.7
10°	557.7	554.3	547.9	537.3	523.7	516.0	501.1	492.2	490.9	482.0	478.6
12.5°	538.5	532.6	526.2	511.3	496.0	483.7	472.7	462.9	456.1	448.4	443.3
15°	516.4	509.2	502.0	486.3	468.4	456.1	439.5	425.0	405.1	389.3	380.4
17.5°	492.2	484.1	474.4	456.9	439.5	422.5	391.9	374.9	360.9	351.5	346.0
20°	467.1	458.2	448.4	431.0	400.8	371.1	354.1	340.9	332.4	323.0	316.2
22.5°	440.8	431.4	420.8	393.6	361.7	340.9	327.7	315.4	303.1	298.0	294.6
25°	416.1	407.6	394.0	357.0	332.0	312.8	298.0	289.9	283.5	276.7	270.3
27.5°	390.6	374.9	355.8	324.7	309.0	289.5	278.8	272.9	261.8	257.2	254.2
30°	360.0	342.6	324.3	302.2	283.9	270.3	260.6	250.8	244.4	239.7	234.6
32.5°	329.0	312.4	300.9	278.0	264.4	250.4	241.0	235.1	225.7	222.7	220.6
35°	302.2	288.2	278.0	259.3	246.5	233.8	227.0	218.1	212.1	206.6	203.2
37.5°	275.9	268.2	257.6	241.9	228.3	218.1	208.7	205.7	197.6	194.7	191.3
40°	257.6	246.1	237.2	223.6	212.1	201.0	195.1	188.3	182.8	178.1	176.8
42.5°	235.5	227.0	221.9	207.0	195.1	188.7	181.5	173.8	169.6	165.8	161.1
45°	218.9	211.2	204.0	192.1	181.5	173.4	167.0	161.9	154.7	153.0	145.8
47.5°	201.5	193.8	188.3	176.4	166.6	159.0	154.3	147.5	141.5	137.7	134.3
50°	184.0	177.7	172.6	162.4	153.9	145.8	139.4	132.6	130.1	123.7	121.6
52.5°	167.5	163.2	157.7	147.9	139.4	132.6	125.8	120.3	116.5	113.1	110.5
55°	153.4	146.6	144.1	133.5	126.2	119.0	113.1	109.7	105.0	102.9	100.7
57.5°	137.7	133.9	129.6	121.6	113.5	106.7	102.4	97.3	94.8	92.2	90.5
60°	124.1	118.6	115.2	108.4	101.2	94.8	91.0	87.1	83.7	81.6	78.2
62.5°	108.4	104.1	102.0	94.8	88.8	82.9	79.5	75.7	73.1	69.3	65.0
65°	94.8	91.4	88.8	82.9	77.4	71.8	68.4	63.8	60.4	58.2	57.8
67.5°	82.9	80.3	76.5	71.0	65.5	61.2	57.4	53.6	53.1	52.3	52.3
70°	69.7	67.2	65.0	59.1	54.4	49.7	48.9	47.6	46.3	45.9	45.1
72.5°	58.2	56.1	53.6	48.5	43.8	42.5	41.7	40.8	39.5	39.1	38.7
75°	47.2	44.2	42.5	37.8	36.6	35.7	34.9	33.6	32.7	32.3	31.5
77.5°	36.1	33.2	33.2	30.6	29.8	28.5	27.6	26.8	26.4	25.5	25.5
80°	25.5	25.5	24.7	23.4	22.1	21.7	20.4	20.0	19.6	20.0	19.1
82.5°	18.7	17.0	17.0	16.2	15.3	14.9	14.0	14.0	13.6	13.6	13.6
85°	10.6	10.6	10.2	9.4	8.9	8.9	8.5	8.5	8.1	8.1	7.7
87.5°	4.3	3.8	4.3	3.8	3.8	3.4	3.4	3.4	3.0	3.4	3.0
90°	9.3	10.4	11.2	12.7	14.3	15.8	17.4	18.4	19.3	20.3	21.2
92.5°	18.7	18.3	18.6	19.2	19.7	20.3	20.9	21.3	21.7	22.0	22.4
95°	31.0	27.8	28.5	29.8	31.2	32.5	33.9	34.9	35.8	36.8	37.7
97.5°	38.3	30.4	31.9	35.0	38.1	41.2	44.3	44.9	45.5	46.0	46.6
100°	48.0	34.8	36.4	39.7	43.0	46.2	49.5	51.1	52.6	54.2	55.7
102.5°	209.7	209.5	191.9	156.8	121.6	86.5	51.3	53.4	55.5	57.6	59.7
105°	287.4	290.3	263.9	211.2	158.5	105.7	53.0	55.1	57.3	59.4	61.5
107.5°	345.3	347.7	315.2	250.1	185.0	119.9	54.8	56.9	59.0	61.1	63.2
110°	401.3	403.3	375.4	319.6	263.7	207.9	152.1	132.8	113.5	94.2	74.9

TEST NUMBER: P999635

CATALOG NUMBER: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	454.7	456.4	454.8	451.5	448.2	444.9	441.6	358.3	275.1	191.8	108.5
115°	513.0	514.6	517.0	521.8	526.7	531.5	536.3	446.9	357.5	268.0	178.6
117.5°	566.6	568.5	570.1	573.4	576.7	580.0	583.3	555.7	528.1	500.4	472.8
120°	620.1	621.5	623.2	626.7	630.2	633.7	637.2	639.5	641.8	644.1	646.4
122.5°	669.6	671.1	673.0	676.9	680.8	684.6	688.5	689.7	690.8	692.0	693.1
125°	716.7	718.0	719.8	723.5	727.2	730.8	734.5	735.9	737.2	738.6	739.9
127.5°	762.7	764.1	765.5	768.4	771.3	774.2	777.1	779.0	781.0	782.9	784.8
130°	806.9	808.4	809.5	811.6	813.7	815.9	818.0	820.1	822.2	824.3	826.4
132.5°	848.0	849.3	850.4	852.5	854.6	856.7	858.8	860.6	862.3	864.1	865.8
135°	886.9	888.4	889.3	891.0	892.7	894.5	896.2	898.1	900.1	902.0	903.9
137.5°	922.0	923.2	924.2	926.1	928.0	930.0	931.9	933.8	935.8	937.7	939.6
140°	956.3	957.1	958.2	960.3	962.4	964.5	966.6	968.4	970.1	971.9	973.6
142.5°	986.8	987.5	988.8	991.3	993.8	996.3	998.8	1000.3	1001.9	1003.4	1004.9
145°	1013.7	1013.6	1015.2	1018.5	1021.8	1025.0	1028.3	1029.7	1031.0	1032.4	1033.7
147.5°	1040.8	1040.5	1042.1	1045.4	1048.7	1052.0	1055.3	1056.3	1057.2	1058.2	1059.1
150°	1065.6	1064.9	1066.4	1069.5	1072.6	1075.7	1078.8	1080.0	1081.1	1082.3	1083.4
152.5°	1088.3	1087.5	1088.9	1091.8	1094.7	1097.6	1100.5	1101.7	1102.8	1104.0	1105.1
155°	1110.1	1109.2	1110.4	1112.7	1115.0	1117.3	1119.6	1120.8	1121.9	1123.1	1124.2
157.5°	1129.1	1128.3	1129.2	1130.9	1132.6	1134.4	1136.1	1137.5	1138.8	1140.2	1141.5
160°	1146.3	1145.7	1146.3	1147.4	1148.6	1149.7	1150.9	1152.1	1153.2	1154.4	1155.5
162.5°	1160.2	1159.6	1160.1	1161.1	1162.0	1163.0	1164.0	1165.3	1166.7	1168.0	1169.3
165°	1172.4	1171.8	1172.1	1172.7	1173.2	1173.8	1174.4	1175.8	1177.1	1178.5	1179.8
167.5°	1181.9	1181.3	1181.6	1182.2	1182.7	1183.3	1183.9	1185.3	1186.6	1188.0	1189.3
170°	1189.8	1189.2	1189.4	1189.8	1190.1	1190.5	1190.9	1192.3	1193.6	1195.0	1196.3
172.5°	1195.0	1194.4	1194.6	1195.0	1195.3	1195.7	1196.1	1197.5	1198.8	1200.2	1201.5
175°	1198.6	1197.9	1198.1	1198.5	1198.8	1199.2	1199.6	1201.0	1202.3	1203.7	1205.0
177.5°	1200.3	1199.6	1199.7	1199.9	1200.1	1200.3	1200.5	1201.8	1203.2	1204.5	1205.8
180°	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3

TEST NUMBER: P999635

CATALOG NUMBER: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6
2.5°	585.3	584.4	581.9	582.7	581.5	581.5	580.6	580.6	580.6	582.7	581.5
5°	553.4	550.4	547.5	546.2	544.9	543.6	543.6	543.2	547.0	546.2	549.6
7.5°	513.9	513.0	507.1	507.1	505.0	504.1	506.2	506.7	507.1	507.9	510.1
10°	478.6	476.5	468.0	468.8	467.6	465.9	467.1	466.3	469.3	470.1	469.3
12.5°	437.0	433.1	423.8	419.1	414.0	410.2	414.8	411.4	423.3	426.7	436.1
15°	381.7	374.5	368.1	368.1	363.4	360.0	362.1	366.0	368.5	372.3	374.0
17.5°	344.7	341.7	336.6	333.7	332.4	331.1	331.1	332.8	338.3	337.9	341.3
20°	313.3	311.6	309.0	305.2	303.9	303.1	303.1	303.1	306.9	310.3	312.4
22.5°	291.6	290.3	288.6	283.5	281.0	280.1	282.2	283.5	286.5	289.0	291.2
25°	269.9	266.9	264.0	262.3	261.0	261.0	261.8	262.3	263.5	264.8	267.4
27.5°	252.1	249.9	245.7	241.0	241.0	239.7	240.6	241.4	244.4	248.7	250.8
30°	232.1	231.7	230.0	228.3	226.6	225.7	227.4	228.7	229.1	231.2	231.2
32.5°	217.6	214.6	211.7	210.0	209.1	208.7	209.1	210.8	210.8	213.4	216.4
35°	203.2	201.5	198.5	195.5	194.7	192.5	194.2	195.9	198.9	200.2	201.5
37.5°	187.4	185.3	184.0	183.2	181.5	181.9	180.6	183.2	185.7	185.3	186.2
40°	175.5	171.7	167.9	167.5	167.0	166.6	166.6	167.0	168.7	170.4	173.0
42.5°	160.2	159.0	155.6	152.2	151.3	150.5	149.6	151.3	154.7	157.7	159.0
45°	144.5	142.8	142.0	139.4	137.7	137.3	136.4	138.6	141.5	142.8	143.7
47.5°	130.1	129.6	127.1	127.5	126.2	126.7	126.2	127.5	127.5	128.8	129.6
50°	120.3	119.0	117.7	116.9	115.6	115.6	115.2	115.6	117.3	119.0	118.6
52.5°	110.5	108.4	108.0	107.5	106.7	107.5	106.3	106.7	108.4	109.2	108.8
55°	99.0	98.6	97.8	96.9	96.5	96.1	96.1	96.1	97.8	99.0	99.5
57.5°	90.1	88.0	86.3	86.3	84.6	84.2	85.0	85.4	86.7	87.6	88.4
60°	77.8	76.9	74.4	73.1	70.6	70.1	70.1	71.8	74.0	76.9	77.8
62.5°	64.6	63.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.3	63.3
65°	57.4	57.8	57.4	57.0	57.4	57.4	57.0	57.0	57.0	57.4	57.8
67.5°	51.4	51.0	51.4	51.0	50.6	50.6	50.2	50.6	51.0	51.4	51.4
70°	44.6	44.6	44.2	44.6	44.2	43.8	43.4	43.4	44.2	44.6	44.6
72.5°	38.3	38.3	37.8	37.8	37.0	37.0	37.4	37.0	37.0	38.3	38.3
75°	31.9	31.5	31.0	31.0	30.6	30.6	30.6	30.2	31.0	31.0	31.5
77.5°	25.1	25.1	25.1	24.7	24.7	24.2	24.2	24.7	24.7	24.7	25.1
80°	19.1	19.1	19.1	18.7	18.3	18.3	18.3	18.3	18.3	18.7	18.3
82.5°	13.2	13.2	13.2	13.2	13.2	12.8	12.8	12.8	13.2	13.2	12.8
85°	8.1	7.7	8.1	8.1	7.7	8.1	7.7	7.7	7.2	7.2	7.7
87.5°	3.4	3.0	2.6	2.6	3.0	2.6	2.6	2.6	3.0	2.6	2.6
90°	21.7	21.9	22.3	22.7	23.1	23.5	23.1	22.7	22.3	21.9	21.7
92.5°	22.6	22.7	22.9	23.1	23.3	23.5	23.3	23.1	22.9	22.7	22.6
95°	38.2	38.1	37.9	37.8	37.6	37.4	37.6	37.8	37.9	38.1	38.2
97.5°	46.9	47.0	47.2	47.4	47.6	47.8	47.6	47.4	47.2	47.0	46.9
100°	56.5	56.7	57.1	57.4	57.8	58.2	57.8	57.4	57.1	56.7	56.5
102.5°	60.8	61.1	61.7	62.3	62.9	63.5	62.9	62.3	61.7	61.1	60.8
105°	62.6	63.0	63.8	64.5	65.3	66.1	65.3	64.5	63.8	63.0	62.6
107.5°	64.3	64.7	65.5	66.2	67.0	67.8	67.0	66.2	65.5	64.7	64.3
110°	65.2	65.6	66.4	67.1	67.9	68.7	67.9	67.1	66.4	65.6	65.2

TEST NUMBER: P999635

CATALOG NUMBER: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	66.9	67.2	67.8	68.3	68.9	69.5	68.9	68.3	67.8	67.2	66.9
115°	133.9	126.9	113.0	99.1	85.2	71.3	85.2	99.1	113.0	126.9	133.9
117.5°	459.0	433.7	383.1	332.4	281.8	231.2	281.8	332.4	383.1	433.7	459.0
120°	647.6	634.6	608.5	582.4	556.4	530.3	556.4	582.4	608.5	634.6	647.6
122.5°	693.7	693.8	694.0	694.1	694.3	694.5	694.3	694.1	694.0	693.8	693.7
125°	740.6	740.9	741.5	742.0	742.6	743.2	742.6	742.0	741.5	740.9	740.6
127.5°	785.8	785.9	786.1	786.3	786.5	786.7	786.5	786.3	786.1	785.9	785.8
130°	827.5	827.4	827.2	827.1	826.9	826.7	826.9	827.1	827.2	827.4	827.5
132.5°	866.7	866.6	866.4	866.2	866.0	865.8	866.0	866.2	866.4	866.6	866.7
135°	904.9	904.7	904.3	904.0	903.6	903.2	903.6	904.0	904.3	904.7	904.9
137.5°	940.6	940.3	939.7	939.1	938.5	937.9	938.5	939.1	939.7	940.3	940.6
140°	974.5	974.0	973.0	972.1	971.1	970.1	971.1	972.1	973.0	974.0	974.5
142.5°	1005.7	1005.2	1004.3	1003.3	1002.4	1001.4	1002.4	1003.3	1004.3	1005.2	1005.7
145°	1034.4	1033.9	1033.0	1032.0	1031.1	1030.1	1031.1	1032.0	1033.0	1033.9	1034.4
147.5°	1059.6	1059.2	1058.5	1057.7	1057.0	1056.2	1057.0	1057.7	1058.5	1059.2	1059.6
150°	1084.0	1083.5	1082.5	1081.6	1080.6	1079.6	1080.6	1081.6	1082.5	1083.5	1084.0
152.5°	1105.7	1105.0	1103.7	1102.3	1101.0	1099.6	1101.0	1102.3	1103.7	1105.0	1105.7
155°	1124.8	1124.0	1122.5	1121.0	1119.4	1117.9	1119.4	1121.0	1122.5	1124.0	1124.8
157.5°	1142.2	1141.4	1139.9	1138.4	1136.8	1135.3	1136.8	1138.4	1139.9	1141.4	1142.2
160°	1156.1	1155.4	1154.1	1152.7	1151.4	1150.0	1151.4	1152.7	1154.1	1155.4	1156.1
162.5°	1170.0	1169.1	1167.4	1165.7	1163.9	1162.2	1163.9	1165.7	1167.4	1169.1	1170.0
165°	1180.5	1179.8	1178.5	1177.1	1175.8	1174.4	1175.8	1177.1	1178.5	1179.8	1180.5
167.5°	1190.0	1189.1	1187.4	1185.7	1183.9	1182.2	1183.9	1185.7	1187.4	1189.1	1190.0
170°	1197.0	1196.1	1194.4	1192.7	1190.9	1189.2	1190.9	1192.7	1194.4	1196.1	1197.0
172.5°	1202.2	1201.3	1199.6	1197.9	1196.1	1194.4	1196.1	1197.9	1199.6	1201.3	1202.2
175°	1205.7	1204.7	1202.8	1200.9	1198.9	1197.0	1198.9	1200.9	1202.8	1204.7	1205.7
177.5°	1206.5	1205.6	1203.9	1202.2	1200.4	1198.7	1200.4	1202.2	1203.9	1205.6	1206.5
180°	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3

TEST NUMBER: P999635

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6
2.5°	582.7	584.9	584.0	579.3	584.0	585.3	587.8	590.4	592.1	594.6	596.8
5°	546.2	550.4	553.0	550.4	558.9	560.2	566.2	569.6	574.7	578.9	582.3
7.5°	511.8	515.2	520.3	521.1	526.2	532.2	540.7	549.2	557.2	561.5	565.3
10°	474.8	480.7	488.4	486.7	494.3	503.7	512.6	526.2	533.0	540.7	547.5
12.5°	437.8	441.6	451.8	455.2	466.3	473.5	485.8	494.3	511.3	520.3	526.2
15°	373.2	388.9	401.7	417.0	431.4	445.0	456.1	471.4	486.3	493.1	502.8
17.5°	343.9	351.1	358.7	366.4	385.1	409.3	428.9	445.5	458.2	467.1	478.6
20°	313.3	320.5	329.0	336.2	347.7	365.1	389.3	417.8	433.1	442.5	453.5
22.5°	291.6	298.4	303.9	310.3	319.2	332.0	350.2	385.5	405.9	417.4	427.2
25°	268.2	276.7	282.7	287.3	294.6	308.6	323.5	343.4	380.0	388.9	402.5
27.5°	252.1	254.6	261.4	268.6	275.9	283.5	298.8	315.8	340.5	360.0	376.6
30°	232.9	239.3	245.7	248.7	255.0	266.1	275.4	293.7	312.8	328.1	348.1
32.5°	218.5	222.3	226.6	233.8	239.7	247.4	256.7	272.0	288.2	298.0	313.3
35°	202.3	204.9	213.8	216.8	222.7	230.4	239.7	251.6	269.1	276.7	287.8
37.5°	187.0	193.0	195.5	202.3	207.8	215.5	222.3	235.9	247.4	256.3	266.5
40°	175.1	177.7	182.3	188.3	193.0	198.9	207.4	217.2	229.5	236.8	245.7
42.5°	160.7	162.8	168.7	172.1	179.8	185.3	190.4	202.3	213.4	218.9	227.8
45°	144.9	150.0	153.9	160.7	164.9	171.7	178.1	186.6	196.8	203.2	208.3
47.5°	131.3	136.4	140.3	146.6	153.4	156.4	163.2	172.1	181.5	186.6	193.8
50°	120.3	122.0	129.2	132.2	139.4	145.4	150.0	157.7	167.9	170.9	176.8
52.5°	109.7	110.9	115.6	119.4	125.8	130.9	136.9	144.1	152.6	157.3	161.9
55°	100.3	101.2	103.3	107.5	111.8	118.2	123.7	130.5	137.7	142.8	147.1
57.5°	89.7	91.4	93.1	95.6	99.9	105.8	111.8	118.2	124.1	127.5	133.0
60°	77.4	79.9	82.9	85.9	88.8	93.1	99.9	105.8	111.4	114.3	118.6
62.5°	64.2	69.3	71.8	75.2	77.8	81.6	86.7	93.5	97.3	101.2	104.6
65°	57.8	58.2	58.7	62.1	66.7	70.6	75.2	80.3	86.3	88.8	91.4
67.5°	51.4	51.9	52.7	53.1	54.8	59.1	64.2	69.7	74.4	76.1	78.6
70°	45.1	45.1	46.8	47.2	47.6	48.0	52.3	57.8	62.1	64.2	67.2
72.5°	38.3	38.7	39.5	40.0	40.8	41.7	42.9	45.9	51.0	53.1	56.5
75°	31.5	31.9	32.3	32.7	34.0	34.4	35.7	37.4	39.5	42.1	44.2
77.5°	25.1	25.1	25.5	26.4	27.2	27.6	28.9	29.8	30.6	31.9	33.6
80°	18.7	19.1	19.1	20.0	20.0	20.4	20.8	22.1	23.0	23.8	24.7
82.5°	12.8	13.6	13.6	13.6	14.0	14.5	14.9	14.9	15.7	16.2	17.4
85°	7.7	8.1	8.1	8.1	7.7	8.5	8.5	8.9	8.9	8.9	9.4
87.5°	3.0	2.6	3.0	3.0	3.0	3.4	3.0	3.0	3.4	3.8	3.8
90°	21.2	20.3	19.3	18.4	17.4	15.8	14.3	12.7	11.2	10.4	9.3
92.5°	22.4	22.0	21.7	21.3	20.9	20.3	19.7	19.2	18.6	18.3	18.7
95°	37.7	36.8	35.8	34.9	33.9	32.5	31.2	29.8	28.5	27.8	31.0
97.5°	46.6	46.0	45.5	44.9	44.3	41.2	38.1	35.0	31.9	30.4	38.3
100°	55.7	54.2	52.6	51.1	49.5	46.2	43.0	39.7	36.4	34.8	48.0
102.5°	59.7	57.6	55.5	53.4	51.3	86.5	121.6	156.8	191.9	209.5	209.7
105°	61.5	59.4	57.3	55.1	53.0	105.7	158.5	211.2	263.9	290.3	287.4
107.5°	63.2	61.1	59.0	56.9	54.8	119.9	185.0	250.1	315.2	347.7	345.3
110°	74.9	94.2	113.5	132.8	152.1	207.9	263.7	319.6	375.4	403.3	401.3

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CATALOG NUMBER: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	108.5	191.8	275.1	358.3	441.6	444.9	448.2	451.5	454.8	456.4	454.7
115°	178.6	268.0	357.5	446.9	536.3	531.5	526.7	521.8	517.0	514.6	513.0
117.5°	472.8	500.4	528.1	555.7	583.3	580.0	576.7	573.4	570.1	568.5	566.6
120°	646.4	644.1	641.8	639.5	637.2	633.7	630.2	626.7	623.2	621.5	620.1
122.5°	693.1	692.0	690.8	689.7	688.5	684.6	680.8	676.9	673.0	671.1	669.6
125°	739.9	738.6	737.2	735.9	734.5	730.8	727.2	723.5	719.8	718.0	716.7
127.5°	784.8	782.9	781.0	779.0	777.1	774.2	771.3	768.4	765.5	764.1	762.7
130°	826.4	824.3	822.2	820.1	818.0	815.9	813.7	811.6	809.5	808.4	806.9
132.5°	865.8	864.1	862.3	860.6	858.8	856.7	854.6	852.5	850.4	849.3	848.0
135°	903.9	902.0	900.1	898.1	896.2	894.5	892.7	891.0	889.3	888.4	886.9
137.5°	939.6	937.7	935.8	933.8	931.9	930.0	928.0	926.1	924.2	923.2	922.0
140°	973.6	971.9	970.1	968.4	966.6	964.5	962.4	960.3	958.2	957.1	956.3
142.5°	1004.9	1003.4	1001.9	1000.3	998.8	996.3	993.8	991.3	988.8	987.5	986.8
145°	1033.7	1032.4	1031.0	1029.7	1028.3	1025.0	1021.8	1018.5	1015.2	1013.6	1013.7
147.5°	1059.1	1058.2	1057.2	1056.3	1055.3	1052.0	1048.7	1045.4	1042.1	1040.5	1040.8
150°	1083.4	1082.3	1081.1	1080.0	1078.8	1075.7	1072.6	1069.5	1066.4	1064.9	1065.6
152.5°	1105.1	1104.0	1102.8	1101.7	1100.5	1097.6	1094.7	1091.8	1088.9	1087.5	1088.3
155°	1124.2	1123.1	1121.9	1120.8	1119.6	1117.3	1115.0	1112.7	1110.4	1109.2	1110.1
157.5°	1141.5	1140.2	1138.8	1137.5	1136.1	1134.4	1132.6	1130.9	1129.2	1128.3	1129.1
160°	1155.5	1154.4	1153.2	1152.1	1150.9	1149.7	1148.6	1147.4	1146.3	1145.7	1146.3
162.5°	1169.3	1168.0	1166.7	1165.3	1164.0	1163.0	1162.0	1161.1	1160.1	1159.6	1160.2
165°	1179.8	1178.5	1177.1	1175.8	1174.4	1173.8	1173.2	1172.7	1172.1	1171.8	1172.4
167.5°	1189.3	1188.0	1186.6	1185.3	1183.9	1183.3	1182.7	1182.2	1181.6	1181.3	1181.9
170°	1196.3	1195.0	1193.6	1192.3	1190.9	1190.5	1190.1	1189.8	1189.4	1189.2	1189.8
172.5°	1201.5	1200.2	1198.8	1197.5	1196.1	1195.7	1195.3	1195.0	1194.6	1194.4	1195.0
175°	1205.0	1203.7	1202.3	1201.0	1199.6	1199.2	1198.8	1198.5	1198.1	1197.9	1198.6
177.5°	1205.8	1204.5	1203.2	1201.8	1200.5	1200.3	1200.1	1199.9	1199.7	1199.6	1200.3
180°	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3	1201.3

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CATALOG NUMBER: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	611.6	611.6	611.6	611.6
2.5°	600.6	599.3	607.0	615.5
5°	588.3	590.4	600.2	612.1
7.5°	575.5	580.2	591.7	607.4
10°	557.7	566.2	583.6	599.7
12.5°	540.2	551.7	568.3	587.4
15°	520.7	533.4	553.8	576.8
17.5°	499.0	513.5	537.3	562.3
20°	476.1	495.2	520.3	547.5
22.5°	450.6	473.5	499.4	529.6
25°	425.9	451.0	476.9	511.8
27.5°	401.7	426.3	455.2	490.5
30°	377.4	400.0	431.0	468.8
32.5°	351.5	374.9	407.6	446.3
35°	327.7	351.1	381.7	419.9
37.5°	302.2	327.3	356.6	396.1
40°	272.5	301.8	330.3	368.1
42.5°	247.8	278.8	306.5	342.2
45°	228.3	257.6	280.5	315.4
47.5°	210.0	233.8	257.2	289.5
50°	192.5	210.8	235.1	264.0
52.5°	174.7	190.4	211.2	238.5
55°	158.5	173.4	192.1	212.9
57.5°	143.7	154.3	173.0	191.7
60°	127.1	138.1	152.6	168.3
62.5°	113.1	121.6	135.2	148.3
65°	98.2	106.3	116.5	128.8
67.5°	84.6	91.8	99.9	109.7
70°	72.3	77.8	83.7	92.2
72.5°	59.1	65.0	70.6	77.4
75°	48.5	51.0	55.7	60.4
77.5°	37.4	40.8	43.4	47.2
80°	26.8	29.8	30.6	33.6
82.5°	17.9	19.6	21.3	22.1
85°	10.2	11.1	12.8	13.2
87.5°	3.8	4.3	5.1	6.0
90°	7.2	5.1	3.0	0.9
92.5°	19.4	20.2	20.9	21.7
95°	37.4	43.7	50.1	56.5
97.5°	54.2	70.0	85.9	101.7
100°	74.5	101.0	127.4	153.9
102.5°	210.1	210.4	210.8	211.2
105°	281.6	275.9	270.1	264.3
107.5°	340.5	335.6	330.8	326.0
110°	397.2	393.2	389.1	385.1

TEST NUMBER: P999635

CATALOG NUMBER: SA2XXRDIP-B290D925UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	451.2	447.7	444.2	440.7
115°	509.7	506.4	503.1	499.8
117.5°	562.7	558.8	555.0	551.1
120°	617.2	614.3	611.4	608.5
122.5°	666.5	663.4	660.3	657.2
125°	714.2	711.7	709.2	706.7
127.5°	760.0	757.3	754.6	751.9
130°	803.8	800.7	797.6	794.5
132.5°	845.5	843.0	840.5	838.0
135°	883.8	880.7	877.6	874.5
137.5°	919.7	917.4	915.0	912.7
140°	954.8	953.2	951.7	950.1
142.5°	985.5	984.1	982.8	981.4
145°	1013.9	1014.0	1014.2	1014.4
147.5°	1041.4	1041.9	1042.5	1043.1
150°	1066.9	1068.2	1069.6	1070.9
152.5°	1089.8	1091.3	1092.9	1094.4
155°	1111.8	1113.5	1115.3	1117.0
157.5°	1130.6	1132.2	1133.7	1135.3
160°	1147.4	1148.6	1149.7	1150.9
162.5°	1161.3	1162.5	1163.6	1164.8
165°	1173.5	1174.7	1175.8	1177.0
167.5°	1183.1	1184.2	1185.4	1186.6
170°	1190.9	1192.1	1193.2	1194.4
172.5°	1196.1	1197.3	1198.4	1199.6
175°	1199.9	1201.2	1202.6	1203.9
177.5°	1201.6	1203.0	1204.3	1205.7
180°	1201.3	1201.3	1201.3	1201.3

(END OF REPORT)