

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: P999859

Luminaire Tested: SA2XXRDIP-B485D925UB50-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P999859
REPORT IS A COMBINATION OF REPORTS P988414 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-B485D925UB50-4F0-XX-W2A-A4
Description: Define 2 Regressed Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015}
{m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

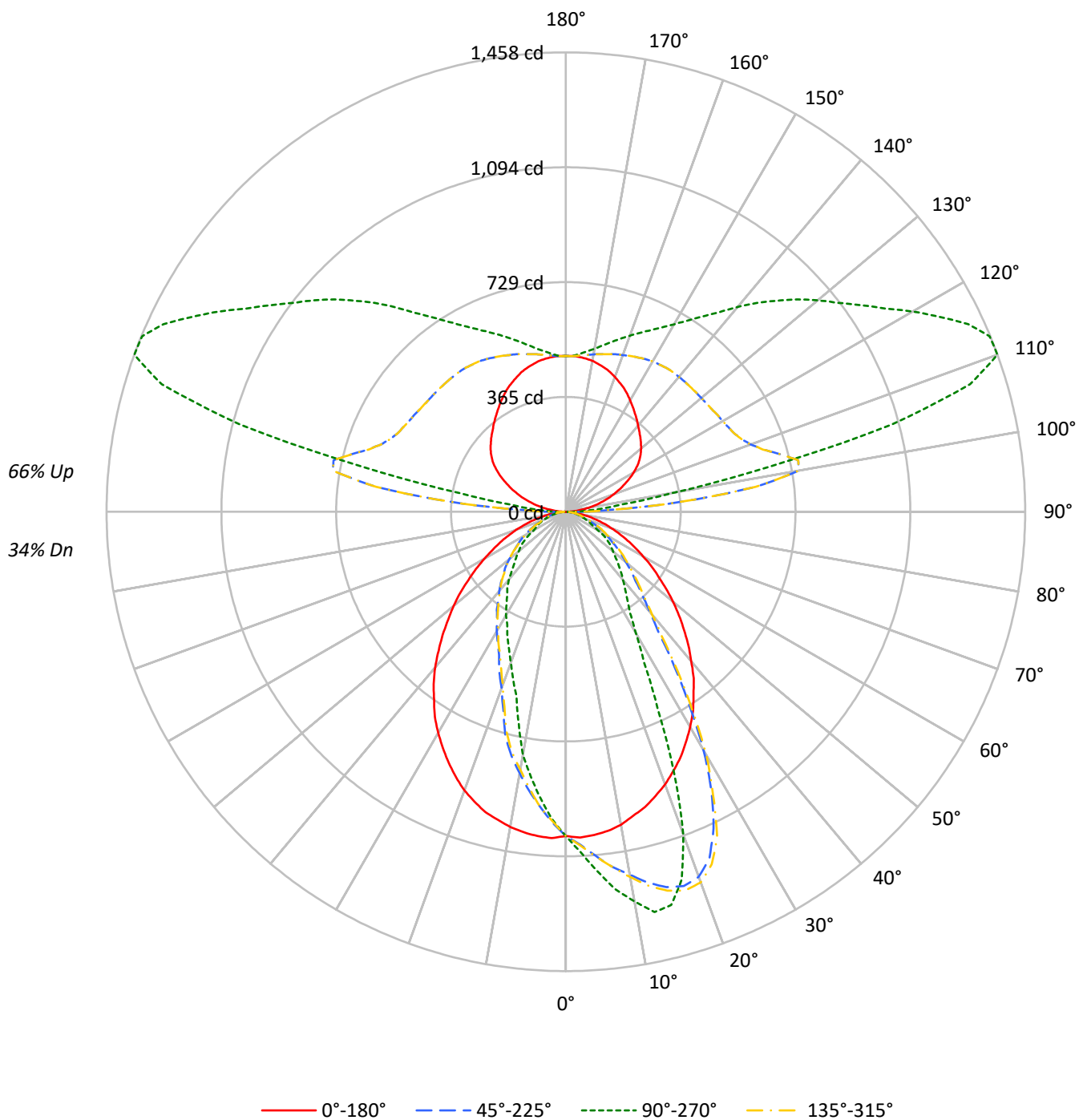
Lumens per Lamp: N/A
Luminaire Lumens: 5222.0 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 52.5
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
RCR																	
0	103	103	103	103	93	93	93	93	75	75	75	57	57	57	42	42	42
1	95	91	87	84	85	82	79	76	66	64	62	51	50	49	37	37	36
2	87	80	74	69	78	72	68	64	58	55	52	46	43	41	34	32	31
3	79	71	64	58	72	64	58	54	52	48	45	41	38	36	30	29	27
4	73	63	55	50	66	57	51	46	47	42	38	37	34	31	28	26	24
5	67	56	49	43	61	51	45	40	42	37	33	33	30	27	25	23	21
6	62	51	43	38	56	46	40	35	38	33	29	30	27	24	23	21	19
7	57	46	38	33	52	42	35	31	35	30	26	28	24	22	21	19	17
8	53	42	34	29	48	38	32	27	32	27	23	25	22	19	20	17	16
9	50	38	31	26	45	35	29	25	29	24	21	23	20	18	18	16	14
10	46	35	28	24	42	32	26	22	27	22	19	22	18	16	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16287	16287	16287	16287
5°	16324	17299	16381	13820
10°	16144	18284	16259	11412
15°	15794	18290	16062	8573
20°	15373	15118	15707	7073
25°	14861	9446	15182	6017
30°	14209	6048	14596	5181
35°	13416	4648	13851	4433
40°	12532	3907	13066	3878
45°	11586	3325	12071	3255
50°	10618	2826	11113	2816
55°	9545	2455	10059	2424
60°	8591	1872	9046	1850
65°	7700	1409	8159	1598
70°	6721	1125	7245	1302
75°	5678	861	6198	986
80°	4511	587	4854	645
85°	3136	303	3433	320

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 14898 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.6	1.9
10°-20°	272.4	5.2
20°-30°	350.6	6.7
30°-40°	332.6	6.4
40°-50°	285.0	5.5
50°-60°	217.1	4.2
60°-70°	136.9	2.6
70°-80°	68.3	1.3
80°-90°	20.7	0.4
90°-100°	192.6	3.7
100°-110°	678.3	13.0
110°-120°	712.4	13.6
120°-130°	586.1	11.2
130°-140°	470.8	9.0
140°-150°	355.6	6.8
150°-160°	250.0	4.8
160°-170°	147.2	2.8
170°-180°	47.9	0.9
0°-30°	720.6	13.8
0°-40°	1053.1	20.2
0°-60°	1555.3	29.8
0°-90°	1781.2	34.1
90°-120°	1583.3	30.3
90°-150°	2995.8	57.4
90°-180°	3441.0	65.9
0°-180°	5222.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1029	1029	1029	1029	1029	
5°	1030	1145	1033	914	1030	98
15°	970	1292	987	606	970	273
25°	861	689	879	439	861	395
35°	706	340	729	324	706	442
45°	530	236	553	231	530	409
55°	358	164	378	162	358	323
65°	217	85	230	96	217	215
75°	102	45	111	52	102	110
85°	22	13	24	14	22	25
90°	1	31	1	31	1	4
95°	33	108	33	108	33	34
105°	116	1071	116	1071	116	123
115°	204	1409	204	1409	204	203
125°	285	1143	285	1143	285	253
135°	334	947	334	947	334	258
145°	382	756	382	756	382	240
155°	434	636	434	636	434	200
165°	473	558	473	558	473	133
175°	493	503	493	503	493	47
180°	494	494	494	494	494	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	1035.3	1039.6	1041.7	1044.6	1051.0	1055.3	1061.8	1063.2	1062.5	1065.3	1057.5
5°	1029.6	1038.9	1047.5	1054.6	1066.0	1073.2	1081.1	1090.3	1092.5	1103.2	1096.8
7.5°	1021.7	1035.3	1047.5	1061.8	1078.9	1088.2	1100.4	1114.7	1121.1	1134.0	1137.5
10°	1008.8	1028.1	1048.9	1063.9	1087.5	1103.9	1115.4	1138.3	1153.3	1172.6	1169.7
12.5°	988.1	1013.1	1041.0	1066.0	1096.8	1107.5	1129.0	1152.6	1171.9	1189.7	1205.5
15°	970.2	998.8	1029.6	1060.3	1095.4	1115.4	1136.8	1167.6	1188.3	1219.8	1233.3
17.5°	945.9	982.4	1018.9	1053.2	1094.6	1117.5	1144.0	1174.0	1204.7	1234.8	1245.5
20°	920.9	960.2	999.5	1046.0	1093.2	1115.4	1142.5	1179.7	1209.8	1233.3	1233.3
22.5°	890.9	938.8	983.8	1028.1	1079.6	1111.8	1139.7	1183.3	1204.7	1209.8	1190.4
25°	860.8	908.7	958.1	1013.1	1071.8	1100.4	1131.8	1172.6	1179.7	1159.7	1109.7
27.5°	825.1	878.7	934.5	993.8	1055.3	1091.1	1119.7	1146.8	1133.2	1079.6	1001.7
30°	788.6	846.5	909.5	965.9	1040.3	1073.2	1097.5	1105.4	1062.5	975.2	874.4
32.5°	750.7	807.2	873.7	941.6	1016.7	1048.2	1063.9	1043.2	964.5	854.4	731.4
35°	706.4	770.0	839.4	910.2	984.5	1008.1	1017.4	966.7	865.8	723.6	601.3
37.5°	666.4	730.0	804.4	876.6	948.8	961.7	952.4	873.0	745.0	604.2	484.8
40°	619.2	687.1	760.0	840.8	900.2	903.7	880.9	777.9	619.2	486.9	413.3
42.5°	575.6	644.2	717.1	799.4	844.4	832.2	801.5	666.4	516.9	419.7	360.4
45°	530.5	595.6	674.2	747.2	779.3	750.7	704.3	560.5	434.0	361.1	315.3
47.5°	486.9	547.7	625.6	695.7	701.4	669.2	614.2	469.7	376.1	317.5	280.3
50°	444.0	504.8	577.7	635.6	629.9	585.6	523.4	408.3	326.7	280.3	249.5
52.5°	401.1	456.2	526.9	572.7	548.4	505.5	444.0	346.1	285.3	244.5	220.9
55°	358.2	409.7	470.5	508.4	469.7	420.4	376.8	296.7	247.4	214.5	196.6
57.5°	322.5	363.2	419.0	441.9	395.4	356.8	318.9	255.2	214.5	190.9	170.2
60°	283.1	320.3	366.1	379.7	331.8	300.3	268.1	215.9	183.8	163.0	149.4
62.5°	249.5	280.3	315.3	315.3	273.1	249.5	225.2	180.9	154.4	138.0	131.6
65°	216.6	238.8	263.8	261.0	225.2	204.5	185.2	149.4	129.4	118.0	111.5
67.5°	184.5	201.6	218.1	208.1	182.3	164.4	146.6	120.8	107.2	99.4	90.8
70°	155.2	168.7	177.3	168.0	142.3	127.3	114.4	97.2	86.5	76.5	71.5
72.5°	130.1	135.8	138.7	127.3	105.8	97.2	87.9	75.8	66.5	61.5	60.1
75°	101.5	106.5	104.4	95.8	77.9	71.5	64.3	55.8	53.6	50.8	49.3
77.5°	79.4	79.4	75.8	67.9	55.8	50.8	47.9	43.6	41.5	40.8	39.3
80°	56.5	55.8	53.6	45.0	37.9	35.0	35.0	32.2	31.5	30.0	30.0
82.5°	37.2	37.2	34.3	27.2	25.0	24.3	23.6	22.2	22.2	21.4	21.4
85°	22.2	20.7	17.2	15.0	14.3	14.3	13.6	12.9	13.6	12.9	12.9
87.5°	10.0	7.9	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
90°	1.0	3.8	7.6	9.5	11.4	12.8	14.3	19.0	25.7	31.4	32.3
92.5°	14.3	20.0	27.6	32.3	39.9	45.2	50.4	76.0	112.1	144.4	146.3
95°	33.3	37.1	46.6	55.1	70.3	81.7	93.1	136.8	219.5	329.7	372.5
97.5°	49.4	55.1	65.6	77.9	95.0	107.8	120.7	176.7	291.7	469.4	607.2
100°	73.2	76.0	84.6	99.8	118.8	132.1	145.4	195.7	311.7	516.9	750.6
102.5°	95.0	96.9	105.5	120.7	140.6	153.9	167.2	212.8	312.6	498.8	755.4
105°	115.9	119.7	126.4	140.6	161.5	174.8	188.1	232.8	317.4	474.1	704.1
107.5°	138.7	141.6	148.2	161.5	182.4	195.7	209.0	252.7	327.8	460.8	656.6
110°	161.5	165.3	171.0	183.4	203.3	217.1	230.9	272.7	341.1	457.0	624.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	182.4	186.2	192.9	204.3	223.3	237.6	251.8	291.7	355.4	458.0	603.4
115°	204.3	209.0	214.7	226.1	245.1	258.0	270.8	311.7	369.6	461.8	589.1
117.5°	227.1	230.9	236.6	247.0	265.1	278.4	291.7	329.7	384.8	467.5	581.5
120°	248.0	251.8	257.5	266.0	285.0	298.4	311.7	348.7	400.0	473.2	574.8
122.5°	267.9	270.8	276.5	286.0	305.0	318.8	332.6	366.8	413.3	479.8	571.0
125°	285.0	287.9	293.6	305.0	324.0	337.3	350.6	384.8	427.6	486.5	566.3
127.5°	299.3	303.1	310.7	323.1	341.1	354.9	368.7	401.9	440.9	493.1	563.4
130°	311.7	315.5	325.0	338.3	357.3	370.6	383.9	417.1	453.2	500.7	561.5
132.5°	323.1	327.8	338.3	352.5	372.5	385.8	399.1	430.4	465.6	508.3	560.6
135°	334.5	338.3	349.7	363.9	385.8	399.1	412.4	442.8	476.0	514.0	559.6
137.5°	344.9	349.7	361.1	376.3	398.1	410.4	422.8	453.2	484.6	519.7	559.6
140°	357.3	361.1	372.5	387.7	408.6	421.0	433.3	461.8	491.2	523.5	558.7
142.5°	369.6	372.5	382.9	398.1	418.1	429.5	440.9	468.4	496.9	526.4	558.7
145°	382.0	385.8	395.3	409.5	428.5	439.0	449.4	475.1	501.7	528.3	556.8
147.5°	395.3	398.1	407.6	420.9	437.1	446.6	456.1	480.8	504.5	529.2	553.9
150°	408.6	411.4	419.0	431.4	445.6	454.2	462.7	484.6	506.4	528.3	551.1
152.5°	421.9	422.8	430.4	440.9	454.2	461.8	469.4	488.4	507.4	526.4	546.3
155°	434.2	435.2	440.9	451.3	461.8	468.9	476.0	492.2	508.3	524.5	540.6
157.5°	444.7	445.6	450.4	459.9	468.4	474.6	480.8	495.0	508.3	520.7	534.9
160°	455.1	456.1	459.9	467.5	475.1	480.3	485.5	496.9	508.3	517.8	529.2
162.5°	465.6	464.6	468.4	474.1	480.8	484.6	488.4	497.9	507.4	515.0	524.5
165°	473.2	472.2	474.1	479.8	484.6	487.4	490.3	498.8	505.5	511.2	517.8
167.5°	479.8	478.9	480.8	484.6	488.4	490.3	492.2	498.8	504.5	507.4	512.1
170°	486.5	484.6	485.5	488.4	490.3	491.7	493.1	497.9	502.6	504.5	507.4
172.5°	490.3	489.3	488.4	491.2	492.2	493.2	494.1	496.9	499.8	500.7	501.7
175°	493.1	492.2	491.2	493.1	493.1	493.6	494.1	496.0	497.9	496.9	497.9
177.5°	495.0	493.1	492.2	494.1	494.1	494.1	494.1	495.0	496.9	495.0	494.1
180°	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	1065.3	1066.8	1068.9	1078.9	1080.3	1083.2	1081.8	1081.8	1082.5	1081.1	1081.8
5°	1111.1	1113.2	1124.0	1136.1	1139.0	1136.1	1139.7	1144.7	1144.7	1144.7	1143.3
7.5°	1154.0	1161.8	1174.0	1191.9	1195.5	1199.0	1205.5	1201.2	1202.6	1209.0	1206.9
10°	1195.5	1206.9	1220.5	1235.5	1243.4	1248.4	1251.2	1257.7	1272.7	1255.5	1261.9
12.5°	1234.8	1251.2	1265.5	1282.0	1287.7	1294.1	1296.3	1302.0	1302.0	1301.3	1306.3
15°	1260.5	1275.5	1288.4	1299.1	1300.6	1299.1	1297.7	1298.4	1300.6	1292.0	1297.0
17.5°	1266.2	1267.7	1272.0	1267.7	1268.4	1253.4	1244.8	1242.6	1222.6	1223.3	1239.8
20°	1238.4	1214.0	1207.6	1184.0	1169.7	1131.1	1129.7	1118.9	1076.8	1089.6	1086.8
22.5°	1161.8	1120.4	1065.3	1038.2	1024.6	983.8	952.4	930.2	915.2	900.2	893.7
25°	1061.0	993.8	915.9	862.3	854.4	816.5	758.6	731.4	699.3	689.2	706.4
27.5°	930.9	843.7	755.7	673.5	658.5	624.2	594.9	575.6	538.4	536.2	537.7
30°	754.3	666.4	592.7	539.1	501.9	486.2	466.9	452.6	437.6	443.3	444.7
32.5°	619.9	536.2	467.6	439.0	421.8	411.8	395.4	386.1	379.7	377.5	376.8
35°	492.6	436.9	406.1	378.2	368.2	361.1	348.9	344.6	338.9	339.6	339.6
37.5°	421.8	375.4	352.5	338.2	328.9	325.3	317.5	313.2	309.6	308.2	310.3
40°	363.9	331.8	317.5	304.6	296.7	295.3	291.0	286.0	281.7	282.4	284.6
42.5°	321.7	303.2	286.0	276.0	270.3	268.1	264.5	261.0	261.0	258.8	258.1
45°	288.1	273.1	258.8	249.5	246.0	243.1	238.8	238.1	235.2	235.9	236.7
47.5°	258.1	246.0	235.2	225.9	222.4	221.6	217.4	214.5	214.5	213.8	213.1
50°	230.9	218.8	209.5	204.5	199.5	198.1	197.3	196.6	195.2	195.2	195.9
52.5°	208.8	196.6	189.5	185.2	182.3	180.9	180.9	180.2	180.2	180.2	179.5
55°	184.5	174.5	168.7	167.3	165.9	165.2	164.4	163.0	162.3	163.7	162.3
57.5°	161.6	158.0	153.0	151.6	148.0	148.0	145.9	144.4	143.0	144.4	144.4
60°	143.7	138.7	135.8	131.6	128.7	125.8	122.3	121.5	120.1	119.4	118.7
62.5°	125.1	120.8	113.7	107.2	103.0	100.1	98.7	98.0	98.0	97.2	97.2
65°	104.4	94.4	90.8	88.7	87.9	87.2	85.8	85.1	85.8	85.1	85.8
67.5°	81.5	80.1	77.9	76.5	75.8	75.1	75.1	74.4	74.4	74.4	74.4
70°	70.8	67.2	66.5	65.1	65.1	64.3	64.3	64.3	64.3	63.6	65.1
72.5°	58.6	56.5	55.8	55.1	55.1	55.1	54.3	54.3	54.3	53.6	54.3
75°	47.9	47.2	45.8	45.8	45.0	45.8	45.0	45.0	44.3	45.0	45.0
77.5°	38.6	37.9	37.2	37.2	36.5	36.5	36.5	36.5	36.5	36.5	37.2
80°	29.3	28.6	27.9	28.6	27.9	28.6	27.9	27.9	28.6	27.9	27.9
82.5°	21.4	20.7	20.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
85°	12.9	12.2	12.2	12.9	12.2	12.9	12.2	12.2	12.2	12.9	12.9
87.5°	5.7	6.4	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	6.4
90°	31.4	30.4	28.5	30.4	30.9	31.4	31.4	31.4	31.4	31.4	31.4
92.5°	122.6	96.0	81.7	71.3	67.5	63.7	62.7	58.9	59.9	58.0	59.9
95°	325.9	248.9	191.0	151.1	140.6	130.2	117.8	110.2	107.4	108.3	107.4
97.5°	611.9	509.3	406.7	310.7	282.2	253.7	216.6	197.6	187.2	181.5	187.2
100°	887.5	867.5	749.7	619.5	562.0	504.5	425.7	384.8	357.3	340.2	357.3
102.5°	990.1	1102.2	1098.4	1011.9	950.2	888.4	801.0	724.0	687.9	663.2	687.9
105°	956.8	1154.4	1261.8	1274.2	1258.5	1242.8	1183.9	1125.0	1084.1	1070.8	1084.1
107.5°	886.5	1098.4	1258.0	1351.1	1370.1	1389.1	1388.2	1379.6	1367.3	1345.4	1367.3
110°	820.9	1021.4	1191.5	1313.1	1352.0	1391.0	1431.9	1450.0	1458.5	1457.6	1458.5

TEST NUMBER: P999859

CATALOG NUMBER: SA2XXRDIP-B485D925UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	775.3	951.1	1112.6	1244.7	1290.8	1336.9	1397.7	1430.9	1449.0	1455.7	1449.0
115°	739.2	896.0	1042.3	1166.8	1215.8	1264.7	1332.1	1375.8	1400.5	1409.1	1400.5
117.5°	714.5	850.4	981.5	1097.4	1144.0	1190.6	1259.9	1306.5	1332.1	1338.8	1332.1
120°	695.5	818.1	935.9	1036.6	1079.8	1123.1	1189.6	1234.3	1261.8	1271.3	1261.8
122.5°	679.4	792.4	897.9	992.0	1030.0	1068.0	1125.9	1169.7	1193.4	1201.0	1193.4
125°	664.2	767.7	865.6	949.2	984.8	1020.5	1075.6	1111.7	1135.4	1143.0	1135.4
127.5°	649.9	743.0	833.3	913.1	946.4	979.6	1028.1	1062.3	1083.2	1088.9	1083.2
130°	635.7	719.3	801.0	876.1	907.4	938.8	985.3	1017.6	1036.6	1044.2	1036.6
132.5°	624.3	696.5	770.6	838.0	867.0	896.0	941.6	973.9	991.0	997.7	991.0
135°	613.8	675.6	738.3	801.0	827.6	854.2	895.1	926.4	943.5	947.3	943.5
137.5°	606.2	658.5	712.6	763.9	787.6	811.4	850.4	878.0	893.2	898.9	893.2
140°	599.6	642.3	687.9	731.6	752.5	773.4	803.8	828.5	842.8	848.5	842.8
142.5°	592.9	629.0	666.1	702.2	718.8	735.4	763.9	785.8	798.1	798.1	798.1
145°	587.2	616.7	648.0	677.5	691.2	705.0	727.8	744.0	753.5	756.3	753.5
147.5°	581.5	607.2	632.8	656.6	667.0	677.5	697.4	710.7	717.4	719.3	717.4
150°	573.9	596.7	617.6	637.6	646.2	654.7	668.9	680.3	686.0	687.0	686.0
152.5°	567.2	586.3	605.3	621.4	628.6	635.7	646.1	655.6	659.4	659.4	659.4
155°	558.7	576.7	592.0	606.2	611.4	616.7	627.1	633.8	637.6	635.7	637.6
157.5°	551.1	565.3	578.7	591.0	595.3	599.6	607.2	612.9	614.8	614.8	614.8
160°	542.5	554.9	565.3	575.8	579.2	582.5	589.1	593.9	594.8	594.8	594.8
162.5°	534.9	544.4	553.0	561.5	563.9	566.3	572.9	575.8	576.7	575.8	576.7
165°	526.4	534.0	540.6	547.3	549.2	551.1	554.9	558.7	558.7	557.7	558.7
167.5°	517.8	523.5	529.2	534.0	535.9	537.8	539.7	541.6	541.6	540.6	541.6
170°	511.2	515.9	518.8	522.6	523.6	524.5	525.4	528.3	527.3	525.4	527.3
172.5°	504.5	507.4	509.3	512.1	512.6	513.1	514.0	515.0	514.0	513.1	514.0
175°	498.8	501.7	502.6	503.6	504.0	504.5	504.5	505.5	504.5	502.6	504.5
177.5°	495.0	496.9	496.9	497.9	497.9	497.9	497.9	497.9	496.9	495.0	496.9
180°	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1

TEST NUMBER: P999859

CATALOG NUMBER: SA2XXRDIP-B485D925UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	1084.6	1079.6	1078.2	1079.6	1078.2	1078.9	1073.9	1055.3	1060.3	1052.5	1056.7
5°	1146.1	1141.8	1132.5	1131.1	1129.7	1128.2	1121.1	1104.6	1098.2	1087.5	1086.8
7.5°	1204.7	1204.7	1197.6	1192.6	1186.2	1181.2	1171.9	1147.5	1137.5	1124.7	1117.5
10°	1262.7	1244.1	1251.9	1246.9	1231.2	1228.3	1211.2	1196.9	1177.6	1164.7	1153.3
12.5°	1304.1	1298.4	1291.3	1287.0	1282.7	1273.4	1261.9	1225.5	1215.5	1189.7	1176.9
15°	1302.7	1299.1	1301.3	1301.3	1299.8	1297.7	1288.4	1261.9	1244.8	1219.8	1197.6
17.5°	1232.6	1241.9	1251.2	1257.7	1272.0	1278.4	1287.0	1271.2	1260.5	1239.1	1215.5
20°	1110.4	1133.2	1160.4	1166.1	1179.0	1216.9	1234.1	1247.6	1251.9	1244.8	1225.5
22.5°	940.2	959.5	1025.3	1023.9	1042.4	1087.5	1137.5	1178.3	1210.5	1228.3	1221.2
25°	736.4	763.6	798.6	825.1	885.9	953.1	1015.3	1080.3	1136.1	1185.4	1197.6
27.5°	557.0	592.7	620.6	655.6	686.4	765.7	845.8	947.4	1012.4	1106.1	1154.7
30°	450.4	466.9	494.8	511.2	526.2	587.0	677.8	777.9	892.3	1000.3	1083.9
32.5°	384.7	396.1	416.8	424.0	439.7	480.5	537.7	629.2	747.2	878.0	988.1
35°	345.3	357.5	361.8	368.2	381.1	406.8	446.1	512.6	619.2	747.2	878.7
37.5°	311.7	318.2	330.3	334.6	338.9	358.2	384.7	431.1	501.9	607.0	752.9
40°	288.1	291.7	298.1	301.7	304.6	318.2	341.8	373.2	425.4	505.5	639.9
42.5°	263.1	267.4	271.7	276.0	279.6	290.3	304.6	334.6	369.6	430.4	527.7
45°	238.8	241.7	246.7	249.5	254.5	263.1	276.0	296.7	328.2	366.8	445.4
47.5°	216.6	220.2	222.4	225.9	229.5	238.8	251.0	264.5	290.3	328.2	385.4
50°	196.6	200.9	203.8	204.5	207.3	215.9	225.9	240.9	257.4	286.7	336.8
52.5°	182.3	183.0	185.2	188.0	187.3	192.3	201.6	213.1	230.2	253.8	290.3
55°	165.9	168.0	169.5	170.2	170.2	174.5	179.5	190.2	203.8	223.1	253.8
57.5°	145.1	147.3	151.6	153.0	155.2	157.3	159.4	166.6	178.0	196.6	221.6
60°	123.7	125.1	129.4	132.3	133.7	139.4	142.3	148.0	154.4	168.0	191.6
62.5°	99.4	100.8	103.0	105.8	108.7	117.3	124.4	130.1	135.1	144.4	163.7
65°	86.5	87.2	88.7	89.4	90.1	93.7	100.1	108.0	117.3	124.4	135.8
67.5°	75.1	75.8	76.5	77.9	78.6	79.4	82.2	84.4	93.7	103.7	112.3
70°	64.3	65.8	66.5	66.5	67.2	68.6	70.1	72.9	75.8	80.8	91.5
72.5°	54.3	55.1	56.5	56.5	56.5	57.9	59.3	60.8	62.2	65.1	69.4
75°	45.0	46.5	46.5	46.5	47.2	47.2	48.6	50.0	51.5	53.6	55.1
77.5°	37.2	37.2	37.2	37.2	37.9	37.9	38.6	40.0	40.8	41.5	42.9
80°	27.9	28.6	28.6	28.6	29.3	29.3	29.3	30.7	31.5	31.5	32.9
82.5°	20.7	20.7	20.7	21.4	20.7	21.4	21.4	22.2	21.4	22.2	22.9
85°	12.9	12.9	12.9	13.6	13.6	13.6	13.6	13.6	13.6	13.6	14.3
87.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	7.1	6.4	6.4
90°	31.4	31.4	31.4	30.9	30.4	28.5	30.4	31.4	32.3	31.4	25.7
92.5°	58.9	62.7	63.7	67.5	71.3	81.7	96.0	122.6	146.3	144.4	112.1
95°	110.2	117.8	130.2	140.6	151.1	191.0	248.9	325.9	372.5	329.7	219.5
97.5°	197.6	216.6	253.7	282.2	310.7	406.7	509.3	611.9	607.2	469.4	291.7
100°	384.8	425.7	504.5	562.0	619.5	749.7	867.5	887.5	750.6	516.9	311.7
102.5°	724.0	801.0	888.4	950.2	1011.9	1098.4	1102.2	990.1	755.4	498.8	312.6
105°	1125.0	1183.9	1242.8	1258.5	1274.2	1261.8	1154.4	956.8	704.1	474.1	317.4
107.5°	1379.6	1388.2	1389.1	1370.1	1351.1	1258.0	1098.4	886.5	656.6	460.8	327.8
110°	1450.0	1431.9	1391.0	1352.0	1313.1	1191.5	1021.4	820.9	624.3	457.0	341.1

TEST NUMBER: P999859

CATALOG NUMBER: SA2XXRDIP-B485D925UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1430.9	1397.7	1336.9	1290.8	1244.7	1112.6	951.1	775.3	603.4	458.0	355.4
115°	1375.8	1332.1	1264.7	1215.8	1166.8	1042.3	896.0	739.2	589.1	461.8	369.6
117.5°	1306.5	1259.9	1190.6	1144.0	1097.4	981.5	850.4	714.5	581.5	467.5	384.8
120°	1234.3	1189.6	1123.1	1079.8	1036.6	935.9	818.1	695.5	574.8	473.2	400.0
122.5°	1169.7	1125.9	1068.0	1030.0	992.0	897.9	792.4	679.4	571.0	479.8	413.3
125°	1111.7	1075.6	1020.5	984.8	949.2	865.6	767.7	664.2	566.3	486.5	427.6
127.5°	1062.3	1028.1	979.6	946.4	913.1	833.3	743.0	649.9	563.4	493.1	440.9
130°	1017.6	985.3	938.8	907.4	876.1	801.0	719.3	635.7	561.5	500.7	453.2
132.5°	973.9	941.6	896.0	867.0	838.0	770.6	696.5	624.3	560.6	508.3	465.6
135°	926.4	895.1	854.2	827.6	801.0	738.3	675.6	613.8	559.6	514.0	476.0
137.5°	878.0	850.4	811.4	787.6	763.9	712.6	658.5	606.2	559.6	519.7	484.6
140°	828.5	803.8	773.4	752.5	731.6	687.9	642.3	599.6	558.7	523.5	491.2
142.5°	785.8	763.9	735.4	718.8	702.2	666.1	629.0	592.9	558.7	526.4	496.9
145°	744.0	727.8	705.0	691.2	677.5	648.0	616.7	587.2	556.8	528.3	501.7
147.5°	710.7	697.4	677.5	667.0	656.6	632.8	607.2	581.5	553.9	529.2	504.5
150°	680.3	668.9	654.7	646.2	637.6	617.6	596.7	573.9	551.1	528.3	506.4
152.5°	655.6	646.1	635.7	628.6	621.4	605.3	586.3	567.2	546.3	526.4	507.4
155°	633.8	627.1	616.7	611.4	606.2	592.0	576.7	558.7	540.6	524.5	508.3
157.5°	612.9	607.2	599.6	595.3	591.0	578.7	565.3	551.1	534.9	520.7	508.3
160°	593.9	589.1	582.5	579.2	575.8	565.3	554.9	542.5	529.2	517.8	508.3
162.5°	575.8	572.9	566.3	563.9	561.5	553.0	544.4	534.9	524.5	515.0	507.4
165°	558.7	554.9	551.1	549.2	547.3	540.6	534.0	526.4	517.8	511.2	505.5
167.5°	541.6	539.7	537.8	535.9	534.0	529.2	523.5	517.8	512.1	507.4	504.5
170°	528.3	525.4	524.5	523.6	522.6	518.8	515.9	511.2	507.4	504.5	502.6
172.5°	515.0	514.0	513.1	512.6	512.1	509.3	507.4	504.5	501.7	500.7	499.8
175°	505.5	504.5	504.5	504.0	503.6	502.6	501.7	498.8	497.9	496.9	497.9
177.5°	497.9	497.9	497.9	497.9	497.9	496.9	496.9	495.0	494.1	495.0	496.9
180°	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1

TEST NUMBER: P999859

CATALOG NUMBER: SA2XXRDIP-B485D925UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	1050.3	1046.7	1046.7	1044.6	1044.6	1033.2	1033.2	1036.7	1032.4	1027.4	1020.3
5°	1077.5	1069.6	1067.5	1064.6	1055.3	1041.0	1035.3	1033.2	1024.6	1013.8	1001.7
7.5°	1103.2	1090.3	1083.9	1077.5	1065.3	1045.3	1033.9	1026.0	1013.1	996.7	981.0
10°	1128.2	1111.8	1095.4	1087.5	1070.3	1045.3	1028.9	1016.0	997.4	975.2	953.1
12.5°	1151.1	1116.8	1113.9	1098.2	1073.2	1044.6	1019.6	1001.0	977.4	951.6	925.9
15°	1171.1	1136.1	1118.9	1104.6	1071.8	1036.0	1009.6	986.7	955.2	925.9	894.4
17.5°	1181.2	1143.3	1131.8	1108.2	1074.6	1028.1	992.4	964.5	930.2	895.2	859.4
20°	1191.2	1146.8	1128.2	1111.8	1066.0	1013.1	973.1	940.9	903.0	861.6	822.2
22.5°	1196.2	1146.8	1124.7	1101.8	1057.5	996.7	949.5	911.6	867.3	825.1	777.9
25°	1187.6	1142.5	1116.1	1092.5	1042.4	976.7	922.3	879.4	832.2	784.3	736.4
27.5°	1166.1	1132.5	1101.8	1077.5	1021.7	950.9	893.7	845.1	796.5	742.9	694.2
30°	1126.1	1111.1	1086.8	1059.6	998.8	928.0	860.1	810.1	756.5	702.8	652.1
32.5°	1063.9	1076.8	1061.0	1037.4	971.7	896.6	824.4	773.6	715.0	657.1	610.6
35°	988.1	1033.9	1025.3	1008.8	943.1	863.0	790.8	729.3	670.7	612.0	565.6
37.5°	905.2	974.5	981.7	971.7	910.2	828.7	749.3	689.2	629.2	569.8	522.7
40°	791.5	898.0	920.9	925.2	875.9	787.2	704.3	645.6	586.3	528.4	471.2
42.5°	687.1	821.5	850.1	868.0	832.2	746.4	662.8	597.7	539.1	486.9	429.7
45°	589.1	729.3	775.8	798.6	782.9	700.0	613.5	552.7	499.1	451.2	396.1
47.5°	488.3	629.2	694.2	730.7	730.7	652.8	566.3	506.2	454.7	414.0	365.4
50°	421.1	538.4	605.6	653.5	666.4	604.9	523.4	464.7	416.1	371.8	334.6
52.5°	358.9	464.0	519.8	569.8	607.0	553.4	475.5	422.6	374.7	333.2	303.9
55°	310.3	389.0	439.7	494.8	536.2	501.2	429.0	377.5	336.0	301.7	276.7
57.5°	263.8	332.5	373.9	422.6	466.9	440.4	382.5	338.2	301.7	271.7	249.5
60°	224.5	280.3	312.4	350.3	405.4	386.8	338.9	298.1	268.8	241.7	223.1
62.5°	190.9	235.2	262.4	289.6	339.6	331.0	293.9	262.4	237.4	214.5	198.8
65°	156.6	193.0	214.5	238.1	278.1	281.7	251.7	229.5	206.6	186.6	172.3
67.5°	126.6	155.2	174.5	194.5	226.6	236.7	215.9	197.3	178.0	161.6	148.7
70°	102.2	122.3	136.6	152.3	178.7	190.9	180.2	167.3	151.6	138.0	126.6
72.5°	80.8	93.7	102.2	114.4	135.8	148.0	147.3	135.8	124.4	115.1	105.8
75°	59.3	69.4	76.5	84.4	101.5	113.0	115.8	110.8	99.4	92.2	85.1
77.5°	45.0	50.8	54.3	60.1	72.2	82.2	86.5	85.1	77.2	71.5	66.5
80°	34.3	35.7	37.2	39.3	49.3	58.6	61.5	60.8	56.5	54.3	48.6
82.5°	24.3	25.0	25.7	26.5	30.0	37.9	40.8	42.2	38.6	36.5	31.5
85°	14.3	15.0	15.0	16.4	17.2	19.3	24.3	24.3	23.6	20.7	20.0
87.5°	7.1	7.1	6.4	6.4	7.1	7.9	9.3	10.7	9.3	8.6	7.9
90°	19.0	14.3	12.8	11.4	9.5	7.6	3.8	1.0	3.8	7.6	9.5
92.5°	76.0	50.4	45.2	39.9	32.3	27.6	20.0	14.3	20.0	27.6	32.3
95°	136.8	93.1	81.7	70.3	55.1	46.6	37.1	33.3	37.1	46.6	55.1
97.5°	176.7	120.7	107.8	95.0	77.9	65.6	55.1	49.4	55.1	65.6	77.9
100°	195.7	145.4	132.1	118.8	99.8	84.6	76.0	73.2	76.0	84.6	99.8
102.5°	212.8	167.2	153.9	140.6	120.7	105.5	96.9	95.0	96.9	105.5	120.7
105°	232.8	188.1	174.8	161.5	140.6	126.4	119.7	115.9	119.7	126.4	140.6
107.5°	252.7	209.0	195.7	182.4	161.5	148.2	141.6	138.7	141.6	148.2	161.5
110°	272.7	230.9	217.1	203.3	183.4	171.0	165.3	161.5	165.3	171.0	183.4

TEST NUMBER: P999859

CATALOG NUMBER: SA2XXRDIP-B485D925UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	291.7	251.8	237.6	223.3	204.3	192.9	186.2	182.4	186.2	192.9	204.3
115°	311.7	270.8	258.0	245.1	226.1	214.7	209.0	204.3	209.0	214.7	226.1
117.5°	329.7	291.7	278.4	265.1	247.0	236.6	230.9	227.1	230.9	236.6	247.0
120°	348.7	311.7	298.4	285.0	266.0	257.5	251.8	248.0	251.8	257.5	266.0
122.5°	366.8	332.6	318.8	305.0	286.0	276.5	270.8	267.9	270.8	276.5	286.0
125°	384.8	350.6	337.3	324.0	305.0	293.6	287.9	285.0	287.9	293.6	305.0
127.5°	401.9	368.7	354.9	341.1	323.1	310.7	303.1	299.3	303.1	310.7	323.1
130°	417.1	383.9	370.6	357.3	338.3	325.0	315.5	311.7	315.5	325.0	338.3
132.5°	430.4	399.1	385.8	372.5	352.5	338.3	327.8	323.1	327.8	338.3	352.5
135°	442.8	412.4	399.1	385.8	363.9	349.7	338.3	334.5	338.3	349.7	363.9
137.5°	453.2	422.8	410.4	398.1	376.3	361.1	349.7	344.9	349.7	361.1	376.3
140°	461.8	433.3	421.0	408.6	387.7	372.5	361.1	357.3	361.1	372.5	387.7
142.5°	468.4	440.9	429.5	418.1	398.1	382.9	372.5	369.6	372.5	382.9	398.1
145°	475.1	449.4	439.0	428.5	409.5	395.3	385.8	382.0	385.8	395.3	409.5
147.5°	480.8	456.1	446.6	437.1	420.9	407.6	398.1	395.3	398.1	407.6	420.9
150°	484.6	462.7	454.2	445.6	431.4	419.0	411.4	408.6	411.4	419.0	431.4
152.5°	488.4	469.4	461.8	454.2	440.9	430.4	422.8	421.9	422.8	430.4	440.9
155°	492.2	476.0	468.9	461.8	451.3	440.9	435.2	434.2	435.2	440.9	451.3
157.5°	495.0	480.8	474.6	468.4	459.9	450.4	445.6	444.7	445.6	450.4	459.9
160°	496.9	485.5	480.3	475.1	467.5	459.9	456.1	455.1	456.1	459.9	467.5
162.5°	497.9	488.4	484.6	480.8	474.1	468.4	464.6	465.6	464.6	468.4	474.1
165°	498.8	490.3	487.4	484.6	479.8	474.1	472.2	473.2	472.2	474.1	479.8
167.5°	498.8	492.2	490.3	488.4	484.6	480.8	478.9	479.8	478.9	480.8	484.6
170°	497.9	493.1	491.7	490.3	488.4	485.5	484.6	486.5	484.6	485.5	488.4
172.5°	496.9	494.1	493.2	492.2	491.2	488.4	489.3	490.3	489.3	488.4	491.2
175°	496.0	494.1	493.6	493.1	493.1	491.2	492.2	493.1	492.2	491.2	493.1
177.5°	495.0	494.1	494.1	494.1	494.1	492.2	493.1	495.0	493.1	492.2	494.1
180°	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1

TEST NUMBER: P999859

CATALOG NUMBER: SA2XXRDIP-B485D925UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	1017.4	1018.1	1020.3	1013.8	1003.8	999.5	986.7	984.5	982.4	982.4	984.5
5°	994.5	991.7	992.4	980.2	965.9	957.4	939.5	942.3	933.1	927.3	928.8
7.5°	969.5	961.7	960.9	945.2	927.3	911.6	893.0	888.7	880.1	870.1	865.8
10°	938.1	932.3	921.6	903.7	880.9	868.0	843.0	828.0	825.8	810.8	805.1
12.5°	905.9	895.9	885.1	860.1	834.4	813.7	795.1	778.6	767.2	754.3	745.7
15°	868.7	856.6	844.4	817.9	787.9	767.2	739.3	715.0	681.4	654.9	639.9
17.5°	828.0	814.4	797.9	768.6	739.3	710.7	659.2	630.6	607.0	591.3	582.0
20°	785.8	770.8	754.3	725.0	674.2	624.2	595.6	573.4	559.1	543.4	531.9
22.5°	741.4	725.7	707.8	662.1	608.5	573.4	551.3	530.5	509.8	501.2	495.5
25°	700.0	685.7	662.8	600.6	558.4	526.2	501.2	487.6	476.9	465.5	454.7
27.5°	657.1	630.6	598.4	546.2	519.8	486.9	469.0	459.0	440.4	432.6	427.6
30°	605.6	576.3	545.5	508.4	477.6	454.7	438.3	421.8	411.1	403.3	394.7
32.5°	553.4	525.5	506.2	467.6	444.7	421.1	405.4	395.4	379.7	374.7	371.1
35°	508.4	484.8	467.6	436.1	414.7	393.2	381.8	366.8	356.8	347.5	341.8
37.5°	464.0	451.2	433.3	406.8	383.9	366.8	351.1	346.1	332.5	327.5	321.7
40°	433.3	414.0	399.0	376.1	356.8	338.2	328.2	316.7	307.4	299.6	297.4
42.5°	396.1	381.8	373.2	348.2	328.2	317.5	305.3	292.4	285.3	278.8	271.0
45°	368.2	355.3	343.2	323.2	305.3	291.7	281.0	272.4	260.3	257.4	245.2
47.5°	338.9	326.0	316.7	296.7	280.3	267.4	259.5	248.1	238.1	231.7	225.9
50°	309.6	298.9	290.3	273.1	258.8	245.2	234.5	223.1	218.8	208.1	204.5
52.5°	281.7	274.6	265.3	248.8	234.5	223.1	211.6	202.3	195.9	190.2	185.9
55°	258.1	246.7	242.4	224.5	212.4	200.2	190.2	184.5	176.6	173.0	169.5
57.5°	231.7	225.2	218.1	204.5	190.9	179.5	172.3	163.7	159.4	155.2	152.3
60°	208.8	199.5	193.8	182.3	170.2	159.4	153.0	146.6	140.9	137.3	131.6
62.5°	182.3	175.2	171.6	159.4	149.4	139.4	133.7	127.3	123.0	116.5	109.4
65°	159.4	153.7	149.4	139.4	130.1	120.8	115.1	107.2	101.5	98.0	97.2
67.5°	139.4	135.1	128.7	119.4	110.1	103.0	96.5	90.1	89.4	87.9	87.9
70°	117.3	113.0	109.4	99.4	91.5	83.7	82.2	80.1	77.9	77.2	75.8
72.5°	98.0	94.4	90.1	81.5	73.6	71.5	70.1	68.6	66.5	65.8	65.1
75°	79.4	74.4	71.5	63.6	61.5	60.1	58.6	56.5	55.1	54.3	52.9
77.5°	60.8	55.8	55.8	51.5	50.0	47.9	46.5	45.0	44.3	42.9	42.9
80°	42.9	42.9	41.5	39.3	37.2	36.5	34.3	33.6	32.9	33.6	32.2
82.5°	31.5	28.6	28.6	27.2	25.7	25.0	23.6	23.6	22.9	22.9	22.9
85°	17.9	17.9	17.2	15.7	15.0	15.0	14.3	14.3	13.6	13.6	12.9
87.5°	7.1	6.4	7.1	6.4	6.4	5.7	5.7	5.7	5.0	5.7	5.0
90°	11.4	12.8	14.3	19.0	25.7	31.4	32.3	31.4	30.4	28.5	30.4
92.5°	39.9	45.2	50.4	76.0	112.1	144.4	146.3	122.6	96.0	81.7	71.3
95°	70.3	81.7	93.1	136.8	219.5	329.7	372.5	325.9	248.9	191.0	151.1
97.5°	95.0	107.8	120.7	176.7	291.7	469.4	607.2	611.9	509.3	406.7	310.7
100°	118.8	132.1	145.4	195.7	311.7	516.9	750.6	887.5	867.5	749.7	619.5
102.5°	140.6	153.9	167.2	212.8	312.6	498.8	755.4	990.1	1102.2	1098.4	1011.9
105°	161.5	174.8	188.1	232.8	317.4	474.1	704.1	956.8	1154.4	1261.8	1274.2
107.5°	182.4	195.7	209.0	252.7	327.8	460.8	656.6	886.5	1098.4	1258.0	1351.1
110°	203.3	217.1	230.9	272.7	341.1	457.0	624.3	820.9	1021.4	1191.5	1313.1

TEST NUMBER: P999859

CATALOG NUMBER: SA2XXRDIP-B485D925UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	223.3	237.6	251.8	291.7	355.4	458.0	603.4	775.3	951.1	1112.6	1244.7
115°	245.1	258.0	270.8	311.7	369.6	461.8	589.1	739.2	896.0	1042.3	1166.8
117.5°	265.1	278.4	291.7	329.7	384.8	467.5	581.5	714.5	850.4	981.5	1097.4
120°	285.0	298.4	311.7	348.7	400.0	473.2	574.8	695.5	818.1	935.9	1036.6
122.5°	305.0	318.8	332.6	366.8	413.3	479.8	571.0	679.4	792.4	897.9	992.0
125°	324.0	337.3	350.6	384.8	427.6	486.5	566.3	664.2	767.7	865.6	949.2
127.5°	341.1	354.9	368.7	401.9	440.9	493.1	563.4	649.9	743.0	833.3	913.1
130°	357.3	370.6	383.9	417.1	453.2	500.7	561.5	635.7	719.3	801.0	876.1
132.5°	372.5	385.8	399.1	430.4	465.6	508.3	560.6	624.3	696.5	770.6	838.0
135°	385.8	399.1	412.4	442.8	476.0	514.0	559.6	613.8	675.6	738.3	801.0
137.5°	398.1	410.4	422.8	453.2	484.6	519.7	559.6	606.2	658.5	712.6	763.9
140°	408.6	421.0	433.3	461.8	491.2	523.5	558.7	599.6	642.3	687.9	731.6
142.5°	418.1	429.5	440.9	468.4	496.9	526.4	558.7	592.9	629.0	666.1	702.2
145°	428.5	439.0	449.4	475.1	501.7	528.3	556.8	587.2	616.7	648.0	677.5
147.5°	437.1	446.6	456.1	480.8	504.5	529.2	553.9	581.5	607.2	632.8	656.6
150°	445.6	454.2	462.7	484.6	506.4	528.3	551.1	573.9	596.7	617.6	637.6
152.5°	454.2	461.8	469.4	488.4	507.4	526.4	546.3	567.2	586.3	605.3	621.4
155°	461.8	468.9	476.0	492.2	508.3	524.5	540.6	558.7	576.7	592.0	606.2
157.5°	468.4	474.6	480.8	495.0	508.3	520.7	534.9	551.1	565.3	578.7	591.0
160°	475.1	480.3	485.5	496.9	508.3	517.8	529.2	542.5	554.9	565.3	575.8
162.5°	480.8	484.6	488.4	497.9	507.4	515.0	524.5	534.9	544.4	553.0	561.5
165°	484.6	487.4	490.3	498.8	505.5	511.2	517.8	526.4	534.0	540.6	547.3
167.5°	488.4	490.3	492.2	498.8	504.5	507.4	512.1	517.8	523.5	529.2	534.0
170°	490.3	491.7	493.1	497.9	502.6	504.5	507.4	511.2	515.9	518.8	522.6
172.5°	492.2	493.2	494.1	496.9	499.8	500.7	501.7	504.5	507.4	509.3	512.1
175°	493.1	493.6	494.1	496.0	497.9	496.9	497.9	498.8	501.7	502.6	503.6
177.5°	494.1	494.1	494.1	495.0	496.9	495.0	494.1	495.0	496.9	496.9	497.9
180°	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1

TEST NUMBER: P999859

CATALOG NUMBER: SA2XXRDIP-B485D925UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	984.5	983.1	978.8	980.2	978.1	978.1	976.7	976.7	976.7	980.2	978.1
5°	930.9	925.9	920.9	918.8	916.6	914.5	914.5	913.7	920.2	918.8	924.5
7.5°	864.4	863.0	853.0	853.0	849.4	848.0	851.5	852.3	853.0	854.4	858.0
10°	805.1	801.5	787.2	788.6	786.5	783.6	785.8	784.3	789.3	790.8	789.3
12.5°	735.0	728.6	712.8	705.0	696.4	690.0	697.8	692.1	712.1	717.8	733.6
15°	642.1	629.9	619.2	619.2	611.3	605.6	609.2	615.6	619.9	626.3	629.2
17.5°	579.9	574.8	566.3	561.3	559.1	557.0	557.0	559.8	569.1	568.4	574.1
20°	526.9	524.1	519.8	513.4	511.2	509.8	509.8	509.8	516.2	521.9	525.5
22.5°	490.5	488.3	485.5	476.9	472.6	471.2	474.7	476.9	481.9	486.2	489.8
25°	454.0	449.0	444.0	441.1	439.0	439.0	440.4	441.1	443.3	445.4	449.7
27.5°	424.0	420.4	413.3	405.4	405.4	403.3	404.7	406.1	411.1	418.3	421.8
30°	390.4	389.7	386.8	383.9	381.1	379.7	382.5	384.7	385.4	389.0	389.0
32.5°	366.1	361.1	356.1	353.2	351.8	351.1	351.8	354.6	354.6	358.9	363.9
35°	341.8	338.9	333.9	328.9	327.5	323.9	326.7	329.6	334.6	336.8	338.9
37.5°	315.3	311.7	309.6	308.2	305.3	306.0	303.9	308.2	312.4	311.7	313.2
40°	295.3	288.9	282.4	281.7	281.0	280.3	280.3	281.0	283.8	286.7	291.0
42.5°	269.5	267.4	261.7	256.0	254.5	253.1	251.7	254.5	260.3	265.3	267.4
45°	243.1	240.2	238.8	234.5	231.7	230.9	229.5	233.1	238.1	240.2	241.7
47.5°	218.8	218.1	213.8	214.5	212.4	213.1	212.4	214.5	214.5	216.6	218.1
50°	202.3	200.2	198.1	196.6	194.5	194.5	193.8	194.5	197.3	200.2	199.5
52.5°	185.9	182.3	181.6	180.9	179.5	180.9	178.7	179.5	182.3	183.8	183.0
55°	166.6	165.9	164.4	163.0	162.3	161.6	161.6	161.6	164.4	166.6	167.3
57.5°	151.6	148.0	145.1	145.1	142.3	141.6	143.0	143.7	145.9	147.3	148.7
60°	130.8	129.4	125.1	123.0	118.7	118.0	118.0	120.8	124.4	129.4	130.8
62.5°	108.7	106.5	105.8	105.8	105.8	105.8	105.8	105.8	105.8	106.5	106.5
65°	96.5	97.2	96.5	95.8	96.5	96.5	95.8	95.8	95.8	96.5	97.2
67.5°	86.5	85.8	86.5	85.8	85.1	85.1	84.4	85.1	85.8	86.5	86.5
70°	75.1	75.1	74.4	75.1	74.4	73.6	72.9	72.9	74.4	75.1	75.1
72.5°	64.3	64.3	63.6	63.6	62.2	62.2	62.9	62.2	62.2	64.3	64.3
75°	53.6	52.9	52.2	52.2	51.5	51.5	51.5	50.8	52.2	52.2	52.9
77.5°	42.2	42.2	42.2	41.5	41.5	40.8	40.8	41.5	41.5	41.5	42.2
80°	32.2	32.2	32.2	31.5	30.7	30.7	30.7	30.7	30.7	31.5	30.7
82.5°	22.2	22.2	22.2	22.2	22.2	21.4	21.4	21.4	22.2	22.2	21.4
85°	13.6	12.9	13.6	13.6	12.9	13.6	12.9	12.9	12.2	12.2	12.9
87.5°	5.7	5.0	4.3	4.3	5.0	4.3	4.3	4.3	5.0	4.3	4.3
90°	30.9	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	30.9
92.5°	67.5	63.7	62.7	58.9	59.9	58.0	59.9	58.9	62.7	63.7	67.5
95°	140.6	130.2	117.8	110.2	107.4	108.3	107.4	110.2	117.8	130.2	140.6
97.5°	282.2	253.7	216.6	197.6	187.2	181.5	187.2	197.6	216.6	253.7	282.2
100°	562.0	504.5	425.7	384.8	357.3	340.2	357.3	384.8	425.7	504.5	562.0
102.5°	950.2	888.4	801.0	724.0	687.9	663.2	687.9	724.0	801.0	888.4	950.2
105°	1258.5	1242.8	1183.9	1125.0	1084.1	1070.8	1084.1	1125.0	1183.9	1242.8	1258.5
107.5°	1370.1	1389.1	1388.2	1379.6	1367.3	1345.4	1367.3	1379.6	1388.2	1389.1	1370.1
110°	1352.0	1391.0	1431.9	1450.0	1458.5	1457.6	1458.5	1450.0	1431.9	1391.0	1352.0

TEST NUMBER: P999859

CATALOG NUMBER: SA2XXRDIP-B485D925UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1290.8	1336.9	1397.7	1430.9	1449.0	1455.7	1449.0	1430.9	1397.7	1336.9	1290.8
115°	1215.8	1264.7	1332.1	1375.8	1400.5	1409.1	1400.5	1375.8	1332.1	1264.7	1215.8
117.5°	1144.0	1190.6	1259.9	1306.5	1332.1	1338.8	1332.1	1306.5	1259.9	1190.6	1144.0
120°	1079.8	1123.1	1189.6	1234.3	1261.8	1271.3	1261.8	1234.3	1189.6	1123.1	1079.8
122.5°	1030.0	1068.0	1125.9	1169.7	1193.4	1201.0	1193.4	1169.7	1125.9	1068.0	1030.0
125°	984.8	1020.5	1075.6	1111.7	1135.4	1143.0	1135.4	1111.7	1075.6	1020.5	984.8
127.5°	946.4	979.6	1028.1	1062.3	1083.2	1088.9	1083.2	1062.3	1028.1	979.6	946.4
130°	907.4	938.8	985.3	1017.6	1036.6	1044.2	1036.6	1017.6	985.3	938.8	907.4
132.5°	867.0	896.0	941.6	973.9	991.0	997.7	991.0	973.9	941.6	896.0	867.0
135°	827.6	854.2	895.1	926.4	943.5	947.3	943.5	926.4	895.1	854.2	827.6
137.5°	787.6	811.4	850.4	878.0	893.2	898.9	893.2	878.0	850.4	811.4	787.6
140°	752.5	773.4	803.8	828.5	842.8	848.5	842.8	828.5	803.8	773.4	752.5
142.5°	718.8	735.4	763.9	785.8	798.1	798.1	798.1	785.8	763.9	735.4	718.8
145°	691.2	705.0	727.8	744.0	753.5	756.3	753.5	744.0	727.8	705.0	691.2
147.5°	667.0	677.5	697.4	710.7	717.4	719.3	717.4	710.7	697.4	677.5	667.0
150°	646.2	654.7	668.9	680.3	686.0	687.0	686.0	680.3	668.9	654.7	646.2
152.5°	628.6	635.7	646.1	655.6	659.4	659.4	659.4	655.6	646.1	635.7	628.6
155°	611.4	616.7	627.1	633.8	637.6	635.7	637.6	633.8	627.1	616.7	611.4
157.5°	595.3	599.6	607.2	612.9	614.8	614.8	614.8	612.9	607.2	599.6	595.3
160°	579.2	582.5	589.1	593.9	594.8	594.8	594.8	593.9	589.1	582.5	579.2
162.5°	563.9	566.3	572.9	575.8	576.7	575.8	576.7	575.8	572.9	566.3	563.9
165°	549.2	551.1	554.9	558.7	558.7	557.7	558.7	558.7	554.9	551.1	549.2
167.5°	535.9	537.8	539.7	541.6	541.6	540.6	541.6	541.6	539.7	537.8	535.9
170°	523.6	524.5	525.4	528.3	527.3	525.4	527.3	528.3	525.4	524.5	523.6
172.5°	512.6	513.1	514.0	515.0	514.0	513.1	514.0	515.0	514.0	513.1	512.6
175°	504.0	504.5	504.5	505.5	504.5	502.6	504.5	505.5	504.5	504.5	504.0
177.5°	497.9	497.9	497.9	497.9	496.9	495.0	496.9	497.9	497.9	497.9	497.9
180°	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1

TEST NUMBER: P999859

CATALOG NUMBER: SA2XXRDIP-B485D925UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	980.2	983.8	982.4	974.5	982.4	984.5	988.8	993.1	996.0	1000.3	1003.8
5°	918.8	925.9	930.2	925.9	940.2	942.3	952.4	958.1	966.7	973.8	979.5
7.5°	860.8	866.6	875.1	876.6	885.1	895.2	909.5	923.8	937.3	944.5	950.9
10°	798.6	808.6	821.5	818.7	831.5	847.3	862.3	885.1	896.6	909.5	920.9
12.5°	736.4	742.9	760.0	765.7	784.3	796.5	817.2	831.5	860.1	875.1	885.1
15°	627.8	654.2	675.7	701.4	725.7	748.6	767.2	792.9	817.9	829.4	845.8
17.5°	578.4	590.6	603.4	616.3	647.8	688.5	721.4	749.3	770.8	785.8	805.1
20°	526.9	539.1	553.4	565.6	584.9	614.2	654.9	702.8	728.6	744.3	762.9
22.5°	490.5	501.9	511.2	521.9	537.0	558.4	589.1	648.5	682.8	702.1	718.6
25°	451.2	465.5	475.5	483.3	495.5	519.1	544.1	577.7	639.2	654.2	677.1
27.5°	424.0	428.3	439.7	451.9	464.0	476.9	502.6	531.2	572.7	605.6	633.5
30°	391.8	402.5	413.3	418.3	429.0	447.6	463.3	494.1	526.2	552.0	585.6
32.5°	367.5	373.9	381.1	393.2	403.3	416.1	431.9	457.6	484.8	501.2	526.9
35°	340.3	344.6	359.6	364.6	374.7	387.5	403.3	423.3	452.6	465.5	484.0
37.5°	314.6	324.6	328.9	340.3	349.6	362.5	373.9	396.8	416.1	431.1	448.3
40°	294.6	298.9	306.7	316.7	324.6	334.6	348.9	365.4	386.1	398.2	413.3
42.5°	270.3	273.8	283.8	289.6	302.4	311.7	320.3	340.3	358.9	368.2	383.2
45°	243.8	252.4	258.8	270.3	277.4	288.9	299.6	313.9	331.0	341.8	350.3
47.5°	220.9	229.5	235.9	246.7	258.1	263.1	274.6	289.6	305.3	313.9	326.0
50°	202.3	205.2	217.4	222.4	234.5	244.5	252.4	265.3	282.4	287.4	297.4
52.5°	184.5	186.6	194.5	200.9	211.6	220.2	230.2	242.4	256.7	264.5	272.4
55°	168.7	170.2	173.7	180.9	188.0	198.8	208.1	219.5	231.7	240.2	247.4
57.5°	150.9	153.7	156.6	160.9	168.0	178.0	188.0	198.8	208.8	214.5	223.8
60°	130.1	134.4	139.4	144.4	149.4	156.6	168.0	178.0	187.3	192.3	199.5
62.5°	108.0	116.5	120.8	126.6	130.8	137.3	145.9	157.3	163.7	170.2	175.9
65°	97.2	98.0	98.7	104.4	112.3	118.7	126.6	135.1	145.1	149.4	153.7
67.5°	86.5	87.2	88.7	89.4	92.2	99.4	108.0	117.3	125.1	128.0	132.3
70°	75.8	75.8	78.6	79.4	80.1	80.8	87.9	97.2	104.4	108.0	113.0
72.5°	64.3	65.1	66.5	67.2	68.6	70.1	72.2	77.2	85.8	89.4	95.1
75°	52.9	53.6	54.3	55.1	57.2	57.9	60.1	62.9	66.5	70.8	74.4
77.5°	42.2	42.2	42.9	44.3	45.8	46.5	48.6	50.0	51.5	53.6	56.5
80°	31.5	32.2	32.2	33.6	33.6	34.3	35.0	37.2	38.6	40.0	41.5
82.5°	21.4	22.9	22.9	22.9	23.6	24.3	25.0	25.0	26.5	27.2	29.3
85°	12.9	13.6	13.6	13.6	12.9	14.3	14.3	15.0	15.0	15.0	15.7
87.5°	5.0	4.3	5.0	5.0	5.0	5.7	5.0	5.0	5.7	6.4	6.4
90°	30.4	28.5	30.4	31.4	32.3	31.4	25.7	19.0	14.3	12.8	11.4
92.5°	71.3	81.7	96.0	122.6	146.3	144.4	112.1	76.0	50.4	45.2	39.9
95°	151.1	191.0	248.9	325.9	372.5	329.7	219.5	136.8	93.1	81.7	70.3
97.5°	310.7	406.7	509.3	611.9	607.2	469.4	291.7	176.7	120.7	107.8	95.0
100°	619.5	749.7	867.5	887.5	750.6	516.9	311.7	195.7	145.4	132.1	118.8
102.5°	1011.9	1098.4	1102.2	990.1	755.4	498.8	312.6	212.8	167.2	153.9	140.6
105°	1274.2	1261.8	1154.4	956.8	704.1	474.1	317.4	232.8	188.1	174.8	161.5
107.5°	1351.1	1258.0	1098.4	886.5	656.6	460.8	327.8	252.7	209.0	195.7	182.4
110°	1313.1	1191.5	1021.4	820.9	624.3	457.0	341.1	272.7	230.9	217.1	203.3

TEST NUMBER: P999859

CATALOG NUMBER: SA2XXRDIP-B485D925UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1244.7	1112.6	951.1	775.3	603.4	458.0	355.4	291.7	251.8	237.6	223.3
115°	1166.8	1042.3	896.0	739.2	589.1	461.8	369.6	311.7	270.8	258.0	245.1
117.5°	1097.4	981.5	850.4	714.5	581.5	467.5	384.8	329.7	291.7	278.4	265.1
120°	1036.6	935.9	818.1	695.5	574.8	473.2	400.0	348.7	311.7	298.4	285.0
122.5°	992.0	897.9	792.4	679.4	571.0	479.8	413.3	366.8	332.6	318.8	305.0
125°	949.2	865.6	767.7	664.2	566.3	486.5	427.6	384.8	350.6	337.3	324.0
127.5°	913.1	833.3	743.0	649.9	563.4	493.1	440.9	401.9	368.7	354.9	341.1
130°	876.1	801.0	719.3	635.7	561.5	500.7	453.2	417.1	383.9	370.6	357.3
132.5°	838.0	770.6	696.5	624.3	560.6	508.3	465.6	430.4	399.1	385.8	372.5
135°	801.0	738.3	675.6	613.8	559.6	514.0	476.0	442.8	412.4	399.1	385.8
137.5°	763.9	712.6	658.5	606.2	559.6	519.7	484.6	453.2	422.8	410.4	398.1
140°	731.6	687.9	642.3	599.6	558.7	523.5	491.2	461.8	433.3	421.0	408.6
142.5°	702.2	666.1	629.0	592.9	558.7	526.4	496.9	468.4	440.9	429.5	418.1
145°	677.5	648.0	616.7	587.2	556.8	528.3	501.7	475.1	449.4	439.0	428.5
147.5°	656.6	632.8	607.2	581.5	553.9	529.2	504.5	480.8	456.1	446.6	437.1
150°	637.6	617.6	596.7	573.9	551.1	528.3	506.4	484.6	462.7	454.2	445.6
152.5°	621.4	605.3	586.3	567.2	546.3	526.4	507.4	488.4	469.4	461.8	454.2
155°	606.2	592.0	576.7	558.7	540.6	524.5	508.3	492.2	476.0	468.9	461.8
157.5°	591.0	578.7	565.3	551.1	534.9	520.7	508.3	495.0	480.8	474.6	468.4
160°	575.8	565.3	554.9	542.5	529.2	517.8	508.3	496.9	485.5	480.3	475.1
162.5°	561.5	553.0	544.4	534.9	524.5	515.0	507.4	497.9	488.4	484.6	480.8
165°	547.3	540.6	534.0	526.4	517.8	511.2	505.5	498.8	490.3	487.4	484.6
167.5°	534.0	529.2	523.5	517.8	512.1	507.4	504.5	498.8	492.2	490.3	488.4
170°	522.6	518.8	515.9	511.2	507.4	504.5	502.6	497.9	493.1	491.7	490.3
172.5°	512.1	509.3	507.4	504.5	501.7	500.7	499.8	496.9	494.1	493.2	492.2
175°	503.6	502.6	501.7	498.8	497.9	496.9	497.9	496.0	494.1	493.6	493.1
177.5°	497.9	496.9	496.9	495.0	494.1	495.0	496.9	495.0	494.1	494.1	494.1
180°	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1

TEST NUMBER: P999859

CATALOG NUMBER: SA2XXRDIP-B485D925UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1028.9	1028.9	1028.9	1028.9
2.5°	1010.3	1008.1	1021.0	1035.3
5°	989.5	993.1	1009.6	1029.6
7.5°	968.1	976.0	995.3	1021.7
10°	938.1	952.4	981.7	1008.8
12.5°	908.7	928.0	955.9	988.1
15°	875.9	897.3	931.6	970.2
17.5°	839.4	863.7	903.7	945.9
20°	800.8	833.0	875.1	920.9
22.5°	757.9	796.5	840.1	890.9
25°	716.4	758.6	802.2	860.8
27.5°	675.7	717.1	765.7	825.1
30°	634.9	672.8	725.0	788.6
32.5°	591.3	630.6	685.7	750.7
35°	551.3	590.6	642.1	706.4
37.5°	508.4	550.5	599.9	666.4
40°	458.3	507.6	555.5	619.2
42.5°	416.8	469.0	515.5	575.6
45°	383.9	433.3	471.9	530.5
47.5°	353.2	393.2	432.6	486.9
50°	323.9	354.6	395.4	444.0
52.5°	293.9	320.3	355.3	401.1
55°	266.7	291.7	323.2	358.2
57.5°	241.7	259.5	291.0	322.5
60°	213.8	232.4	256.7	283.1
62.5°	190.2	204.5	227.4	249.5
65°	165.2	178.7	195.9	216.6
67.5°	142.3	154.4	168.0	184.5
70°	121.5	130.8	140.9	155.2
72.5°	99.4	109.4	118.7	130.1
75°	81.5	85.8	93.7	101.5
77.5°	62.9	68.6	72.9	79.4
80°	45.0	50.0	51.5	56.5
82.5°	30.0	32.9	35.7	37.2
85°	17.2	18.6	21.4	22.2
87.5°	6.4	7.1	8.6	10.0
90°	9.5	7.6	3.8	1.0
92.5°	32.3	27.6	20.0	14.3
95°	55.1	46.6	37.1	33.3
97.5°	77.9	65.6	55.1	49.4
100°	99.8	84.6	76.0	73.2
102.5°	120.7	105.5	96.9	95.0
105°	140.6	126.4	119.7	115.9
107.5°	161.5	148.2	141.6	138.7
110°	183.4	171.0	165.3	161.5

TEST NUMBER: P999859

CATALOG NUMBER: SA2XXRDIP-B485D925UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	204.3	192.9	186.2	182.4
115°	226.1	214.7	209.0	204.3
117.5°	247.0	236.6	230.9	227.1
120°	266.0	257.5	251.8	248.0
122.5°	286.0	276.5	270.8	267.9
125°	305.0	293.6	287.9	285.0
127.5°	323.1	310.7	303.1	299.3
130°	338.3	325.0	315.5	311.7
132.5°	352.5	338.3	327.8	323.1
135°	363.9	349.7	338.3	334.5
137.5°	376.3	361.1	349.7	344.9
140°	387.7	372.5	361.1	357.3
142.5°	398.1	382.9	372.5	369.6
145°	409.5	395.3	385.8	382.0
147.5°	420.9	407.6	398.1	395.3
150°	431.4	419.0	411.4	408.6
152.5°	440.9	430.4	422.8	421.9
155°	451.3	440.9	435.2	434.2
157.5°	459.9	450.4	445.6	444.7
160°	467.5	459.9	456.1	455.1
162.5°	474.1	468.4	464.6	465.6
165°	479.8	474.1	472.2	473.2
167.5°	484.6	480.8	478.9	479.8
170°	488.4	485.5	484.6	486.5
172.5°	491.2	488.4	489.3	490.3
175°	493.1	491.2	492.2	493.1
177.5°	494.1	492.2	493.1	495.0
180°	494.1	494.1	494.1	494.1

(END OF REPORT)