

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: P1029429

Luminaire Tested: S122DIW-B290D970UB2750-4F0-XX-W2A-A_5000K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029429
REPORT IS A COMBINATION OF REPORTS P985851 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIW-B290D970UB2750-4F0-XX-W2A-A_5000K
Description: Define 2 Direct/Indirect Wall Mount with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

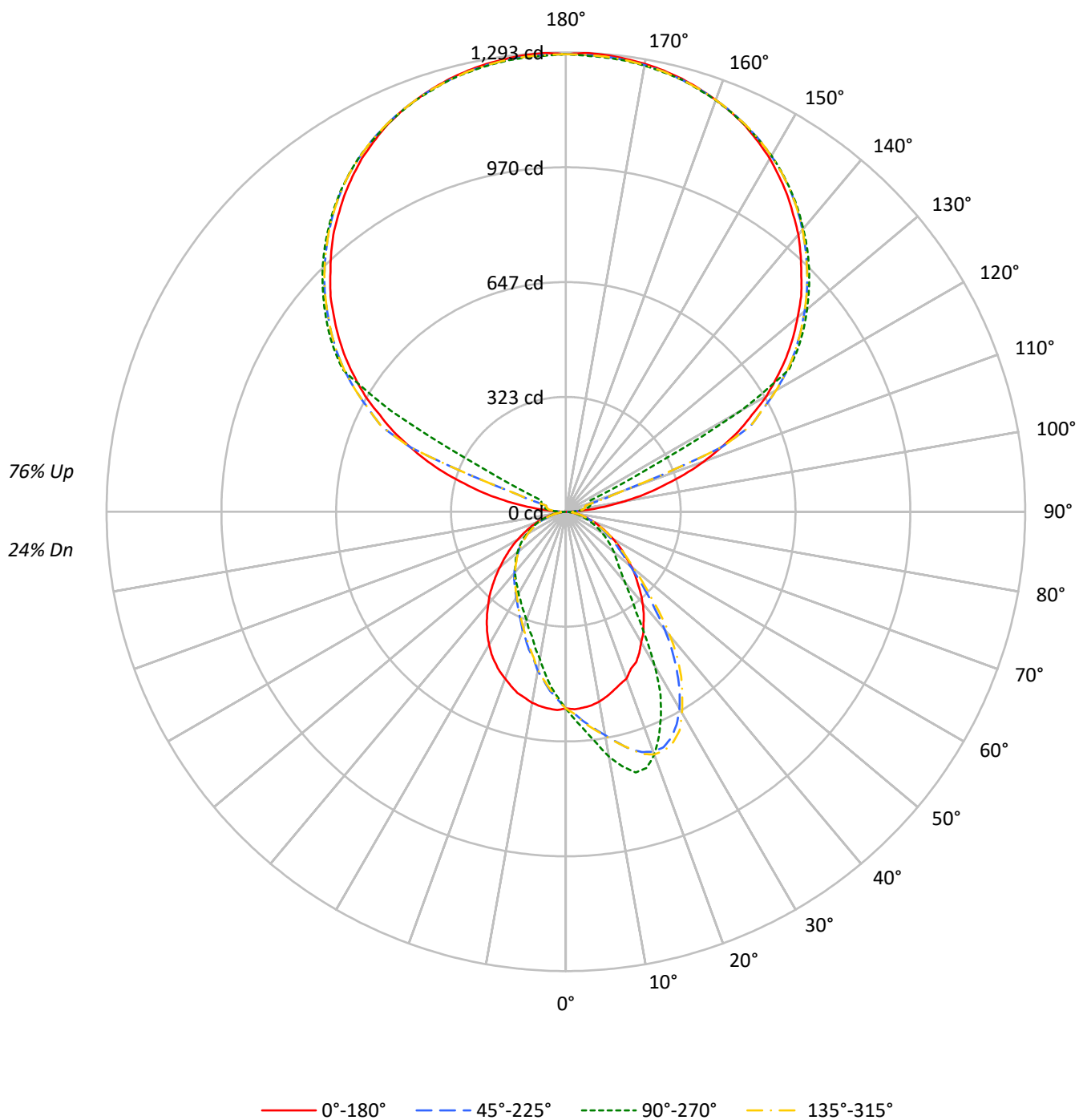
Lumens per Lamp: N/A
Luminaire Lumens: 4999.0 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 44.5
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	101	101	101	101	90	90	90	90	69	69	69	50	50	50	33	33	33
1	92	88	85	81	82	79	76	73	61	59	57	44	43	42	29	29	28
2	84	77	72	67	75	69	64	60	53	50	47	39	37	35	26	25	24
3	77	68	61	56	68	61	55	50	47	43	40	35	32	30	23	22	21
4	70	60	53	47	62	54	48	43	42	38	34	31	28	26	21	19	18
5	65	54	46	40	57	48	42	37	38	33	30	28	25	23	19	17	16
6	59	48	40	35	53	43	37	32	34	29	26	25	22	20	17	15	14
7	55	43	36	30	49	39	32	28	31	26	23	23	20	17	16	14	12
8	51	39	32	27	45	35	29	25	28	23	20	21	18	16	14	13	11
9	47	36	29	24	42	32	26	22	26	21	18	19	16	14	13	11	10
10	44	33	26	21	39	29	23	19	23	19	16	18	15	13	12	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8760	8760	8760	8760
5°	8781	9341	8815	7431
10°	8680	10197	8734	6127
15°	8468	10755	8587	5160
20°	8337	10098	8337	4486
25°	8071	8676	8107	4012
30°	7634	6819	7780	3633
35°	7247	4716	7367	3324
40°	6800	3561	6879	3078
45°	6253	2926	6355	2812
50°	5778	2568	5787	2574
55°	5236	2188	5271	2316
60°	4661	1828	4725	2021
65°	4145	1487	4220	1726
70°	3629	1166	3720	1392
75°	3043	846	3166	1009
80°	2379	536	2547	599
85°	1568	270	1681	200

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 9055 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.7	1.1
10°-20°	153.4	3.1
20°-30°	222.7	4.5
30°-40°	234.7	4.7
40°-50°	207.7	4.2
50°-60°	165.9	3.3
60°-70°	112.7	2.3
70°-80°	57.6	1.2
80°-90°	15.9	0.3
90°-100°	42.5	0.8
100°-110°	158.3	3.2
110°-120°	419.9	8.4
120°-130°	696.4	13.9
130°-140°	739.7	14.8
140°-150°	687.5	13.8
150°-160°	552.7	11.1
160°-170°	356.2	7.1
170°-180°	122.6	2.5
0°-30°	428.8	8.6
0°-40°	663.5	13.3
0°-60°	1037.1	20.7
0°-90°	1223.3	24.5
90°-120°	620.7	12.4
90°-150°	2744.3	54.9
90°-180°	3776.0	75.5
0°-180°	4999.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	553	553	553	553	553	
5°	554	618	556	492	554	53
15°	520	760	528	364	520	147
25°	468	633	470	293	468	214
35°	382	345	388	243	382	239
45°	286	208	291	200	286	222
55°	196	146	198	154	196	175
65°	117	90	119	104	117	116
75°	54	44	57	53	54	58
85°	11	12	12	8	11	13
90°	1	25	1	25	1	4
95°	61	40	61	40	61	72
105°	283	71	283	71	283	303
115°	536	76	536	76	536	527
125°	758	797	758	797	758	676
135°	938	968	938	968	938	724
145°	1088	1104	1088	1104	1088	680
155°	1198	1198	1198	1198	1198	552
165°	1262	1259	1262	1259	1262	356
175°	1291	1283	1291	1283	1291	123
180°	1288	1288	1288	1288	1288	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4
2.5°	556.4	557.7	559.8	560.2	564.5	567.9	571.7	571.7	573.0	572.6	569.2
5°	553.8	557.7	563.2	567.9	575.5	578.9	584.0	587.9	591.3	593.8	593.4
7.5°	549.6	556.4	564.5	573.4	583.6	589.6	596.8	603.6	608.3	612.5	615.5
10°	542.4	553.8	564.9	576.8	590.0	598.1	606.6	615.5	622.8	630.8	638.5
12.5°	532.6	549.2	562.8	578.5	594.7	603.6	617.2	624.0	638.1	658.5	664.0
15°	520.2	542.8	555.5	575.5	596.8	604.0	622.8	633.8	662.7	675.5	690.8
17.5°	508.7	533.8	550.9	573.8	594.7	608.7	627.0	649.5	673.8	692.1	709.1
20°	499.4	523.6	544.1	569.6	596.0	613.8	633.0	660.2	686.6	705.3	718.5
22.5°	478.1	509.2	533.0	561.5	593.4	618.1	636.4	666.1	694.6	706.1	717.6
25°	467.5	494.3	521.9	554.3	591.7	621.0	636.8	670.0	695.1	699.3	701.9
27.5°	447.9	478.1	510.5	547.5	591.3	615.9	635.9	666.1	686.1	683.2	675.5
30°	423.7	460.7	496.4	536.4	585.3	612.1	630.8	658.5	668.7	653.4	639.8
32.5°	405.8	440.7	480.2	526.6	578.5	604.0	622.3	644.0	646.1	618.5	595.5
35°	381.6	420.3	464.9	513.9	567.0	590.0	607.0	620.2	610.0	571.3	544.1
37.5°	359.9	398.2	445.8	495.6	551.3	573.8	587.4	589.6	564.5	530.4	490.5
40°	336.0	375.6	425.4	477.7	533.8	553.4	561.9	555.5	519.4	479.8	433.5
42.5°	312.2	351.4	405.0	458.6	511.7	528.3	531.7	514.3	470.0	423.7	370.1
45°	286.3	327.1	380.7	434.7	486.2	495.6	496.0	470.9	418.6	370.1	320.3
47.5°	265.0	302.9	356.0	410.1	453.5	459.8	457.3	428.4	371.4	316.9	273.5
50°	241.6	277.8	330.5	383.7	420.7	422.4	416.0	374.8	319.0	269.3	234.8
52.5°	216.5	253.1	301.6	352.6	385.8	383.3	370.9	326.7	274.4	233.1	206.7
55°	196.5	228.9	274.4	324.1	347.5	340.3	326.7	281.6	240.3	205.5	182.5
57.5°	174.4	202.9	247.6	291.0	304.6	297.8	284.2	242.0	203.8	177.4	162.1
60°	153.6	179.5	218.6	254.8	265.4	258.2	242.5	204.6	177.0	154.8	143.4
62.5°	134.4	157.0	189.7	222.9	227.2	219.9	206.3	175.7	151.9	134.4	125.9
65°	116.6	137.8	164.2	189.3	193.1	185.5	171.4	149.3	129.3	118.3	110.2
67.5°	99.1	116.1	139.5	157.8	159.9	152.7	141.2	123.4	111.0	99.1	93.2
70°	83.8	96.6	114.9	129.7	130.6	123.8	117.8	101.7	92.3	83.8	79.1
72.5°	68.9	77.8	91.9	102.9	103.4	99.1	93.6	83.4	75.3	69.3	64.7
75°	54.4	62.1	70.6	80.4	80.0	76.6	72.3	65.9	59.1	55.3	53.2
77.5°	41.7	46.4	53.2	59.6	59.6	57.9	55.3	50.6	46.4	42.5	40.4
80°	29.8	32.8	38.3	40.4	41.3	40.8	38.7	35.3	33.6	30.6	29.8
82.5°	19.1	21.3	23.8	25.9	27.2	26.4	25.9	24.2	21.7	20.8	20.0
85°	11.1	11.9	13.2	14.5	14.9	14.5	15.3	14.0	12.8	12.8	12.3
87.5°	4.7	5.1	6.0	6.0	6.4	6.4	6.0	6.4	6.4	6.0	5.5
90°	0.9	3.2	5.5	7.8	10.1	11.2	12.0	13.7	15.3	17.0	18.6
92.5°	23.3	22.5	21.7	20.8	20.0	19.6	19.9	20.5	21.2	21.8	22.4
95°	60.6	53.8	46.9	40.1	33.2	29.8	30.5	32.0	33.4	34.9	36.3
97.5°	109.0	92.0	75.0	58.1	41.1	32.6	34.3	37.6	40.9	44.2	47.5
100°	165.0	136.6	108.2	79.9	51.5	37.3	39.1	42.6	46.1	49.6	53.1
102.5°	226.5	226.1	225.7	225.2	224.8	224.6	205.8	168.1	130.4	92.7	55.0
105°	283.3	289.5	295.7	302.0	308.2	311.3	283.0	226.5	169.9	113.4	56.8
107.5°	349.5	354.7	359.9	365.0	370.2	372.8	337.9	268.1	198.3	128.5	58.7
110°	412.8	417.2	421.5	425.9	430.2	432.4	402.5	342.6	282.8	222.9	163.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	472.5	476.2	480.0	483.7	487.4	489.3	487.5	484.0	480.5	476.9	473.4
115°	535.9	539.4	542.9	546.4	549.9	551.7	554.3	559.5	564.6	569.8	575.0
117.5°	590.8	595.0	599.1	603.3	607.4	609.5	611.3	614.8	618.3	621.8	625.3
120°	652.3	655.4	658.5	661.6	664.7	666.3	668.2	671.9	675.6	679.4	683.1
122.5°	704.5	707.8	711.1	714.4	717.7	719.4	721.5	725.6	729.8	733.9	738.1
125°	757.7	760.4	763.1	765.8	768.5	769.8	771.8	775.7	779.6	783.6	787.5
127.5°	806.1	809.0	811.9	814.8	817.7	819.2	820.7	823.8	826.9	830.0	833.1
130°	851.8	855.1	858.4	861.7	865.0	866.7	867.8	870.1	872.4	874.6	876.9
132.5°	898.4	901.1	903.8	906.5	909.2	910.5	911.6	913.9	916.2	918.4	920.7
135°	937.5	940.8	944.1	947.4	950.7	952.4	953.3	955.2	957.1	958.9	960.8
137.5°	978.5	981.0	983.5	986.0	988.5	989.7	990.7	992.8	994.9	996.9	999.0
140°	1018.6	1020.3	1021.9	1023.6	1025.3	1026.1	1027.2	1029.5	1031.8	1034.0	1036.3
142.5°	1052.1	1053.6	1055.0	1056.5	1058.0	1058.7	1060.0	1062.7	1065.4	1068.1	1070.8
145°	1087.6	1087.4	1087.2	1086.9	1086.7	1086.6	1088.4	1091.9	1095.4	1099.0	1102.5
147.5°	1118.3	1117.7	1117.1	1116.4	1115.8	1115.5	1117.3	1120.8	1124.3	1127.9	1131.4
150°	1148.1	1146.7	1145.2	1143.8	1142.3	1141.6	1143.3	1146.6	1149.9	1153.2	1156.5
152.5°	1173.3	1171.6	1170.0	1168.3	1166.6	1165.8	1167.4	1170.5	1173.6	1176.7	1179.8
155°	1197.5	1195.6	1193.8	1191.9	1190.0	1189.1	1190.3	1192.8	1195.3	1197.8	1200.3
157.5°	1217.1	1215.4	1213.8	1212.1	1210.4	1209.6	1210.5	1212.4	1214.3	1216.1	1218.0
160°	1233.9	1232.7	1231.4	1230.2	1228.9	1228.3	1228.9	1230.2	1231.4	1232.7	1233.9
162.5°	1248.8	1247.6	1246.3	1245.1	1243.8	1243.2	1243.7	1244.7	1245.8	1246.8	1247.8
165°	1261.8	1260.6	1259.3	1258.1	1256.8	1256.2	1256.5	1257.1	1257.8	1258.4	1259.0
167.5°	1272.1	1270.9	1269.6	1268.4	1267.1	1266.5	1266.8	1267.4	1268.1	1268.7	1269.3
170°	1280.5	1279.3	1278.0	1276.8	1275.5	1274.9	1275.1	1275.5	1275.9	1276.3	1276.7
172.5°	1286.1	1284.9	1283.6	1282.4	1281.1	1280.5	1280.7	1281.1	1281.5	1281.9	1282.3
175°	1290.7	1289.3	1287.8	1286.4	1284.9	1284.2	1284.4	1284.8	1285.3	1285.7	1286.1
177.5°	1292.6	1291.2	1289.7	1288.3	1286.8	1286.1	1286.2	1286.4	1286.6	1286.8	1287.0
180°	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4
2.5°	575.1	575.5	576.4	580.6	582.8	583.2	581.5	585.3	586.6	585.3	584.5
5°	602.3	604.9	610.0	615.5	615.1	615.5	618.1	620.6	621.5	618.1	619.3
7.5°	626.2	631.3	636.8	645.3	645.3	649.5	651.3	653.4	658.5	655.9	655.1
10°	653.4	660.2	670.4	684.0	684.4	688.7	692.9	699.7	701.9	700.2	701.0
12.5°	687.4	700.6	701.4	716.3	723.1	724.0	730.8	729.5	733.8	733.8	741.0
15°	702.3	722.7	734.2	748.7	752.9	747.8	753.3	759.3	759.7	759.7	759.3
17.5°	729.1	737.2	748.7	756.3	758.0	758.0	758.4	761.0	759.3	755.9	758.4
20°	734.6	738.0	742.3	741.4	742.3	738.0	733.8	729.5	729.9	727.8	734.2
22.5°	724.4	723.6	713.8	707.4	707.4	698.9	690.8	687.0	683.2	684.4	686.6
25°	698.9	685.7	673.8	664.4	662.3	648.7	637.6	634.2	627.9	633.0	633.8
27.5°	658.1	643.2	624.0	615.9	604.9	599.4	591.7	581.5	568.3	576.0	574.7
30°	614.2	592.1	576.4	556.8	539.4	538.1	523.6	506.6	499.8	499.8	503.6
32.5°	565.3	536.0	513.0	485.4	468.3	461.1	443.7	426.7	430.5	417.7	422.4
35°	508.3	469.6	440.7	413.9	401.1	392.6	370.1	360.7	350.5	344.6	355.6
37.5°	453.9	409.2	372.2	342.9	338.2	322.9	307.5	301.6	295.6	298.2	297.8
40°	387.5	348.0	314.8	291.8	283.7	276.5	266.3	259.1	255.2	257.4	257.8
42.5°	327.5	294.4	269.7	253.5	246.7	241.6	236.5	230.6	229.3	229.3	231.0
45°	281.2	253.9	237.4	224.2	220.3	216.5	212.7	210.1	209.3	207.6	208.9
47.5°	244.2	222.5	212.3	202.5	198.2	197.4	194.0	192.7	191.0	190.6	191.0
50°	213.1	199.5	190.1	184.6	181.6	180.4	178.7	176.1	175.3	177.4	176.5
52.5°	191.4	178.7	173.6	168.0	166.3	164.6	162.1	162.5	162.1	161.2	161.2
55°	169.7	161.6	156.5	152.3	151.9	150.2	148.0	147.2	146.8	145.9	147.2
57.5°	152.3	145.9	141.2	137.4	135.7	135.7	133.6	131.9	131.9	131.4	131.9
60°	134.8	128.5	125.5	121.7	120.4	120.0	118.7	117.8	116.6	116.6	116.6
62.5°	118.7	113.6	110.2	106.8	107.2	105.1	103.4	102.5	102.5	102.9	102.9
65°	103.4	100.0	95.7	92.7	91.9	91.5	90.6	90.2	88.9	89.8	89.8
67.5°	89.3	84.6	82.1	80.8	79.5	79.1	78.3	77.4	77.0	76.6	77.4
70°	75.3	71.5	69.3	68.5	67.2	66.8	66.4	65.1	65.5	65.9	66.4
72.5°	62.5	59.1	58.7	56.1	56.1	56.1	54.4	55.3	54.9	54.0	54.9
75°	49.3	47.6	46.8	45.5	45.9	45.5	45.1	43.8	43.8	44.2	44.7
77.5°	39.1	37.4	37.0	35.7	34.9	35.7	34.9	34.5	34.5	34.9	34.9
80°	28.9	28.1	26.8	26.8	26.8	26.4	26.4	26.4	25.9	25.5	25.9
82.5°	19.1	19.1	18.7	18.3	18.7	17.9	18.3	18.3	18.3	18.3	18.3
85°	12.3	11.9	11.9	11.5	11.5	11.5	11.9	11.1	11.1	11.5	11.5
87.5°	5.5	5.5	5.5	6.0	5.5	5.5	5.5	6.0	5.5	5.5	5.5
90°	19.6	20.7	21.7	22.8	23.3	23.5	23.9	24.4	24.8	25.2	24.8
92.5°	22.8	23.2	23.6	24.0	24.2	24.3	24.5	24.8	25.0	25.2	25.0
95°	37.3	38.4	39.4	40.5	41.0	40.9	40.7	40.5	40.3	40.1	40.3
97.5°	48.1	48.7	49.4	50.0	50.3	50.4	50.6	50.9	51.1	51.3	51.1
100°	54.8	56.4	58.1	59.8	60.6	60.8	61.2	61.6	62.0	62.4	62.0
102.5°	57.3	59.5	61.8	64.1	65.2	65.5	66.1	66.8	67.4	68.0	67.4
105°	59.1	61.4	63.7	66.0	67.1	67.5	68.3	69.2	70.0	70.8	70.0
107.5°	61.0	63.3	65.6	67.9	69.0	69.4	70.2	71.1	71.9	72.7	71.9
110°	142.4	121.7	101.0	80.3	69.9	70.3	71.1	72.0	72.8	73.6	72.8

TEST NUMBER: P1029429

CATALOG NUMBER: S122DIW-B290D970UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	384.2	294.9	205.7	116.4	71.8	72.1	72.7	73.4	74.0	74.6	74.0
115°	479.1	383.2	287.3	191.4	143.5	136.0	121.1	106.2	91.3	76.4	91.3
117.5°	595.7	566.1	536.5	506.9	492.1	465.0	410.7	356.4	302.2	247.9	302.2
120°	685.6	688.1	690.6	693.1	694.3	680.3	652.4	624.4	596.5	568.5	596.5
122.5°	739.3	740.6	741.8	743.1	743.7	743.8	744.0	744.2	744.4	744.6	744.4
125°	788.9	790.4	791.8	793.3	794.0	794.3	794.9	795.6	796.2	796.8	796.2
127.5°	835.2	837.3	839.4	841.5	842.5	842.6	842.8	843.0	843.2	843.4	843.2
130°	879.2	881.5	883.8	886.1	887.2	887.1	886.9	886.7	886.5	886.3	886.5
132.5°	922.6	924.4	926.3	928.2	929.1	929.0	928.8	928.6	928.4	928.2	928.4
135°	962.9	964.9	967.0	969.1	970.1	969.9	969.5	969.1	968.7	968.3	968.7
137.5°	1001.1	1003.1	1005.2	1007.3	1008.3	1008.0	1007.4	1006.7	1006.1	1005.5	1006.1
140°	1038.2	1040.0	1041.9	1043.8	1044.7	1044.2	1043.1	1042.1	1041.0	1040.0	1041.0
142.5°	1072.4	1074.1	1075.7	1077.4	1078.2	1077.7	1076.7	1075.6	1074.6	1073.6	1074.6
145°	1103.9	1105.4	1106.8	1108.3	1109.0	1108.5	1107.4	1106.4	1105.3	1104.3	1105.3
147.5°	1132.4	1133.4	1134.5	1135.5	1136.0	1135.6	1134.8	1133.9	1133.1	1132.3	1133.1
150°	1157.7	1159.0	1160.2	1161.5	1162.1	1161.6	1160.6	1159.5	1158.5	1157.5	1158.5
152.5°	1181.0	1182.3	1183.5	1184.8	1185.4	1184.7	1183.2	1181.8	1180.3	1178.9	1180.3
155°	1201.5	1202.8	1204.0	1205.3	1205.9	1205.1	1203.4	1201.8	1200.1	1198.5	1200.1
157.5°	1219.5	1220.9	1222.4	1223.9	1224.6	1223.8	1222.1	1220.4	1218.8	1217.1	1218.8
160°	1235.1	1236.4	1237.6	1238.9	1239.5	1238.8	1237.3	1235.8	1234.4	1232.9	1234.4
162.5°	1249.3	1250.7	1252.2	1253.7	1254.4	1253.5	1251.6	1249.7	1247.9	1246.0	1247.9
165°	1260.5	1261.9	1263.4	1264.9	1265.6	1264.9	1263.4	1261.9	1260.5	1259.0	1260.5
167.5°	1270.7	1272.2	1273.6	1275.1	1275.8	1274.9	1273.0	1271.1	1269.3	1267.4	1269.3
170°	1278.2	1279.6	1281.1	1282.6	1283.3	1282.4	1280.5	1278.6	1276.8	1274.9	1276.8
172.5°	1283.8	1285.2	1286.7	1288.2	1288.9	1288.0	1286.1	1284.2	1282.4	1280.5	1282.4
175°	1287.5	1289.0	1290.4	1291.9	1292.6	1291.6	1289.5	1287.4	1285.4	1283.3	1285.4
177.5°	1288.4	1289.9	1291.3	1292.8	1293.5	1292.6	1290.7	1288.8	1287.0	1285.1	1287.0
180°	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9

TEST NUMBER: P1029429

CATALOG NUMBER: S122DIW-B290D970UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4
2.5°	586.6	583.6	581.1	581.5	583.6	581.9	577.7	572.1	570.0	567.5	570.0
5°	621.9	619.3	614.2	614.7	613.4	611.7	604.9	596.4	596.4	589.6	588.7
7.5°	656.8	653.0	649.5	648.7	644.0	640.6	634.7	622.8	618.1	610.0	605.3
10°	695.9	692.9	689.1	684.4	681.9	675.9	666.1	648.7	640.2	629.1	621.0
12.5°	735.5	735.0	726.5	717.2	716.8	707.4	700.6	677.2	665.7	650.8	631.7
15°	760.6	758.4	753.8	749.1	750.4	740.2	724.8	697.2	689.5	671.7	651.3
17.5°	760.1	760.1	758.9	758.0	756.7	753.8	745.3	727.0	714.6	692.1	672.9
20°	735.9	741.4	742.7	742.3	746.5	748.7	748.2	736.8	727.0	707.0	687.4
22.5°	687.4	700.2	705.7	709.1	718.0	722.7	733.8	729.5	727.0	712.1	695.5
25°	642.3	646.6	663.2	664.0	676.3	687.8	698.9	706.1	715.5	710.0	695.9
27.5°	584.0	593.8	605.7	614.7	617.2	640.6	658.9	672.5	693.8	695.5	690.8
30°	518.1	522.8	542.4	554.3	567.9	584.9	611.3	634.7	653.8	671.2	677.2
32.5°	437.7	456.9	468.3	482.8	494.7	524.9	557.2	587.4	609.6	638.9	651.7
35°	364.1	379.0	398.6	404.5	426.2	451.7	493.9	532.6	566.2	596.0	621.9
37.5°	303.3	315.2	336.0	345.4	358.2	390.9	426.2	474.3	514.7	551.3	583.6
40°	261.6	270.5	286.3	289.3	299.9	329.7	358.2	403.3	456.9	506.2	541.5
42.5°	233.1	237.4	248.0	251.8	258.6	278.6	304.1	346.7	396.5	447.5	497.3
45°	212.7	215.7	222.0	225.4	234.0	242.9	263.7	297.8	336.9	388.4	442.0
47.5°	194.4	198.2	200.8	202.9	207.6	217.4	231.0	256.1	293.5	340.7	392.6
50°	179.1	180.4	185.0	185.5	188.4	194.8	207.6	222.9	252.7	291.0	341.2
52.5°	163.8	165.0	168.0	171.0	172.3	177.4	185.9	198.7	220.8	251.0	295.6
55°	148.5	150.2	153.1	155.3	156.5	160.8	165.9	178.2	195.7	216.9	253.5
57.5°	133.1	137.0	137.8	139.1	141.2	145.9	150.6	157.8	171.4	191.0	217.8
60°	118.7	120.0	122.9	124.2	126.3	128.9	134.8	140.4	150.2	165.5	189.7
62.5°	103.8	106.8	108.0	109.3	111.0	114.0	117.8	123.8	132.3	144.6	163.8
65°	91.0	91.5	94.0	95.7	97.4	99.5	103.4	108.9	114.0	125.5	139.5
67.5°	78.7	79.5	80.4	82.1	84.2	86.4	89.8	92.7	99.1	106.8	117.8
70°	66.8	66.8	68.9	70.2	69.8	72.3	74.9	78.3	82.9	90.2	99.1
72.5°	56.1	55.7	57.4	57.9	58.7	60.4	62.1	65.5	68.1	73.6	80.4
75°	44.7	45.5	46.4	46.4	47.6	48.9	50.6	52.3	55.3	58.7	63.8
77.5°	35.3	35.3	36.2	36.6	37.9	37.4	39.1	40.8	43.0	45.9	49.8
80°	25.9	26.8	26.8	26.8	27.2	27.6	29.4	30.6	31.9	34.0	35.7
82.5°	18.3	18.3	19.1	19.1	19.1	20.0	20.0	20.4	21.3	22.5	23.8
85°	11.5	11.5	11.5	11.9	11.5	11.9	12.8	12.3	12.8	13.6	13.6
87.5°	5.5	5.5	5.5	5.5	5.5	6.0	5.5	6.0	6.4	6.4	6.4
90°	24.4	23.9	23.5	23.3	22.8	21.7	20.7	19.6	18.6	17.0	15.3
92.5°	24.8	24.5	24.3	24.2	24.0	23.6	23.2	22.8	22.4	21.8	21.2
95°	40.5	40.7	40.9	41.0	40.5	39.4	38.4	37.3	36.3	34.9	33.4
97.5°	50.9	50.6	50.4	50.3	50.0	49.4	48.7	48.1	47.5	44.2	40.9
100°	61.6	61.2	60.8	60.6	59.8	58.1	56.4	54.8	53.1	49.6	46.1
102.5°	66.8	66.1	65.5	65.2	64.1	61.8	59.5	57.3	55.0	92.7	130.4
105°	69.2	68.3	67.5	67.1	66.0	63.7	61.4	59.1	56.8	113.4	169.9
107.5°	71.1	70.2	69.4	69.0	67.9	65.6	63.3	61.0	58.7	128.5	198.3
110°	72.0	71.1	70.3	69.9	80.3	101.0	121.7	142.4	163.1	222.9	282.8

TEST NUMBER: P1029429

CATALOG NUMBER: S122DIW-B290D970UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	73.4	72.7	72.1	71.8	116.4	205.7	294.9	384.2	473.4	476.9	480.5
115°	106.2	121.1	136.0	143.5	191.4	287.3	383.2	479.1	575.0	569.8	564.6
117.5°	356.4	410.7	465.0	492.1	506.9	536.5	566.1	595.7	625.3	621.8	618.3
120°	624.4	652.4	680.3	694.3	693.1	690.6	688.1	685.6	683.1	679.4	675.6
122.5°	744.2	744.0	743.8	743.7	743.1	741.8	740.6	739.3	738.1	733.9	729.8
125°	795.6	794.9	794.3	794.0	793.3	791.8	790.4	788.9	787.5	783.6	779.6
127.5°	843.0	842.8	842.6	842.5	841.5	839.4	837.3	835.2	833.1	830.0	826.9
130°	886.7	886.9	887.1	887.2	886.1	883.8	881.5	879.2	876.9	874.6	872.4
132.5°	928.6	928.8	929.0	929.1	928.2	926.3	924.4	922.6	920.7	918.4	916.2
135°	969.1	969.5	969.9	970.1	969.1	967.0	964.9	962.9	960.8	958.9	957.1
137.5°	1006.7	1007.4	1008.0	1008.3	1007.3	1005.2	1003.1	1001.1	999.0	996.9	994.9
140°	1042.1	1043.1	1044.2	1044.7	1043.8	1041.9	1040.0	1038.2	1036.3	1034.0	1031.8
142.5°	1075.6	1076.7	1077.7	1078.2	1077.4	1075.7	1074.1	1072.4	1070.8	1068.1	1065.4
145°	1106.4	1107.4	1108.5	1109.0	1108.3	1106.8	1105.4	1103.9	1102.5	1099.0	1095.4
147.5°	1133.9	1134.8	1135.6	1136.0	1135.5	1134.5	1133.4	1132.4	1131.4	1127.9	1124.3
150°	1159.5	1160.6	1161.6	1162.1	1161.5	1160.2	1159.0	1157.7	1156.5	1153.2	1149.9
152.5°	1181.8	1183.2	1184.7	1185.4	1184.8	1183.5	1182.3	1181.0	1179.8	1176.7	1173.6
155°	1201.8	1203.4	1205.1	1205.9	1205.3	1204.0	1202.8	1201.5	1200.3	1197.8	1195.3
157.5°	1220.4	1222.1	1223.8	1224.6	1223.9	1222.4	1220.9	1219.5	1218.0	1216.1	1214.3
160°	1235.8	1237.3	1238.8	1239.5	1238.9	1237.6	1236.4	1235.1	1233.9	1232.7	1231.4
162.5°	1249.7	1251.6	1253.5	1254.4	1253.7	1252.2	1250.7	1249.3	1247.8	1246.8	1245.8
165°	1261.9	1263.4	1264.9	1265.6	1264.9	1263.4	1261.9	1260.5	1259.0	1258.4	1257.8
167.5°	1271.1	1273.0	1274.9	1275.8	1275.1	1273.6	1272.2	1270.7	1269.3	1268.7	1268.1
170°	1278.6	1280.5	1282.4	1283.3	1282.6	1281.1	1279.6	1278.2	1276.7	1276.3	1275.9
172.5°	1284.2	1286.1	1288.0	1288.9	1288.2	1286.7	1285.2	1283.8	1282.3	1281.9	1281.5
175°	1287.4	1289.5	1291.6	1292.6	1291.9	1290.4	1289.0	1287.5	1286.1	1285.7	1285.3
177.5°	1288.8	1290.7	1292.6	1293.5	1292.8	1291.3	1289.9	1288.4	1287.0	1286.8	1286.6
180°	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9

TEST NUMBER: P1029429

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4
2.5°	567.9	565.7	564.5	565.3	562.8	556.4	556.4	558.5	556.0	553.4	549.6
5°	583.6	579.4	576.8	576.4	570.4	560.2	558.1	556.0	550.4	544.5	538.1
7.5°	598.9	591.3	587.0	584.0	575.5	562.3	556.8	552.1	543.2	534.3	526.2
10°	611.7	600.6	595.5	590.8	579.8	563.2	554.3	545.8	534.3	522.8	512.6
12.5°	621.9	609.1	602.8	596.0	582.3	560.6	549.6	536.0	524.5	509.2	499.0
15°	638.9	612.5	606.6	600.2	586.2	556.4	542.8	527.5	511.7	491.3	480.2
17.5°	652.5	617.2	616.8	603.2	584.9	554.7	533.8	513.9	496.8	476.4	459.0
20°	660.6	624.5	617.6	603.6	580.6	543.2	521.5	499.4	481.1	456.4	439.0
22.5°	667.4	634.7	616.8	599.8	571.7	539.4	507.5	486.6	461.5	434.7	418.1
25°	670.0	636.8	618.1	598.5	565.3	528.3	492.2	469.6	441.5	417.3	394.7
27.5°	670.4	636.4	613.4	593.0	556.4	513.9	476.8	453.0	422.0	393.9	371.4
30°	666.1	631.7	610.8	588.7	547.9	500.7	458.1	431.8	398.6	370.5	347.1
32.5°	653.4	622.3	605.3	581.1	536.8	482.4	440.3	410.9	376.0	348.4	325.8
35°	632.1	610.8	592.1	569.6	522.4	465.4	422.4	387.9	352.6	326.3	305.0
37.5°	605.7	594.3	576.8	554.7	505.8	450.0	402.4	364.1	328.8	303.3	282.4
40°	570.0	573.0	556.0	536.0	486.2	429.2	376.5	339.9	306.7	282.9	262.5
42.5°	531.3	543.6	533.8	514.7	464.5	406.2	357.3	316.9	284.6	259.9	242.9
45°	489.6	510.9	504.9	490.9	442.0	382.0	330.1	291.0	262.5	238.6	223.7
47.5°	444.1	474.3	474.3	464.1	416.9	357.7	306.7	266.7	238.6	221.6	207.2
50°	397.7	431.8	437.3	430.5	388.8	330.1	278.2	242.0	217.8	201.2	190.6
52.5°	349.2	388.8	399.0	395.6	359.0	303.7	254.8	219.5	197.4	182.9	173.6
55°	302.9	348.8	359.9	361.1	327.1	274.8	228.9	197.8	176.5	166.7	158.7
57.5°	259.1	303.3	315.6	317.8	294.8	248.4	204.6	177.4	158.2	150.2	143.8
60°	221.6	258.6	274.8	279.5	259.5	217.8	182.1	155.7	141.2	133.6	127.6
62.5°	191.0	220.8	237.8	239.1	230.1	191.0	158.7	136.5	124.2	117.4	114.4
65°	161.2	188.0	198.2	203.3	196.1	165.5	137.0	118.7	108.9	102.9	100.0
67.5°	137.4	154.4	162.9	169.7	162.5	139.5	116.6	101.7	94.4	88.5	86.8
70°	112.7	126.8	133.1	139.9	133.6	116.1	99.5	85.9	79.5	74.9	72.7
72.5°	90.2	101.2	107.2	111.4	107.6	93.2	79.5	70.2	65.5	62.1	60.8
75°	71.5	79.1	82.5	85.5	83.8	72.7	64.2	56.6	52.3	49.3	48.5
77.5°	54.4	60.0	63.8	64.7	62.5	55.3	48.1	43.4	40.0	38.3	37.4
80°	38.7	42.1	44.2	45.5	43.4	40.4	35.3	31.9	28.9	26.8	26.4
82.5°	25.9	27.6	29.4	28.9	28.1	25.5	22.5	20.8	19.6	17.9	17.9
85°	14.9	15.3	16.2	16.6	16.2	14.5	12.8	11.9	11.1	9.8	9.8
87.5°	6.4	6.8	6.8	7.2	6.4	6.4	5.5	4.7	4.7	4.3	3.8
90°	13.7	12.0	11.2	10.1	7.8	5.5	3.2	0.9	3.2	5.5	7.8
92.5°	20.5	19.9	19.6	20.0	20.8	21.7	22.5	23.3	22.5	21.7	20.8
95°	32.0	30.5	29.8	33.2	40.1	46.9	53.8	60.6	53.8	46.9	40.1
97.5°	37.6	34.3	32.6	41.1	58.1	75.0	92.0	109.0	92.0	75.0	58.1
100°	42.6	39.1	37.3	51.5	79.9	108.2	136.6	165.0	136.6	108.2	79.9
102.5°	168.1	205.8	224.6	224.8	225.2	225.7	226.1	226.5	226.1	225.7	225.2
105°	226.5	283.0	311.3	308.2	302.0	295.7	289.5	283.3	289.5	295.7	302.0
107.5°	268.1	337.9	372.8	370.2	365.0	359.9	354.7	349.5	354.7	359.9	365.0
110°	342.6	402.5	432.4	430.2	425.9	421.5	417.2	412.8	417.2	421.5	425.9

TEST NUMBER: P1029429

CATALOG NUMBER: S122DIW-B290D970UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	484.0	487.5	489.3	487.4	483.7	480.0	476.2	472.5	476.2	480.0	483.7
115°	559.5	554.3	551.7	549.9	546.4	542.9	539.4	535.9	539.4	542.9	546.4
117.5°	614.8	611.3	609.5	607.4	603.3	599.1	595.0	590.8	595.0	599.1	603.3
120°	671.9	668.2	666.3	664.7	661.6	658.5	655.4	652.3	655.4	658.5	661.6
122.5°	725.6	721.5	719.4	717.7	714.4	711.1	707.8	704.5	707.8	711.1	714.4
125°	775.7	771.8	769.8	768.5	765.8	763.1	760.4	757.7	760.4	763.1	765.8
127.5°	823.8	820.7	819.2	817.7	814.8	811.9	809.0	806.1	809.0	811.9	814.8
130°	870.1	867.8	866.7	865.0	861.7	858.4	855.1	851.8	855.1	858.4	861.7
132.5°	913.9	911.6	910.5	909.2	906.5	903.8	901.1	898.4	901.1	903.8	906.5
135°	955.2	953.3	952.4	950.7	947.4	944.1	940.8	937.5	940.8	944.1	947.4
137.5°	992.8	990.7	989.7	988.5	986.0	983.5	981.0	978.5	981.0	983.5	986.0
140°	1029.5	1027.2	1026.1	1025.3	1023.6	1021.9	1020.3	1018.6	1020.3	1021.9	1023.6
142.5°	1062.7	1060.0	1058.7	1058.0	1056.5	1055.0	1053.6	1052.1	1053.6	1055.0	1056.5
145°	1091.9	1088.4	1086.6	1086.7	1086.9	1087.2	1087.4	1087.6	1087.4	1087.2	1086.9
147.5°	1120.8	1117.3	1115.5	1115.8	1116.4	1117.1	1117.7	1118.3	1117.7	1117.1	1116.4
150°	1146.6	1143.3	1141.6	1142.3	1143.8	1145.2	1146.7	1148.1	1146.7	1145.2	1143.8
152.5°	1170.5	1167.4	1165.8	1166.6	1168.3	1170.0	1171.6	1173.3	1171.6	1170.0	1168.3
155°	1192.8	1190.3	1189.1	1190.0	1191.9	1193.8	1195.6	1197.5	1195.6	1193.8	1191.9
157.5°	1212.4	1210.5	1209.6	1210.4	1212.1	1213.8	1215.4	1217.1	1215.4	1213.8	1212.1
160°	1230.2	1228.9	1228.3	1228.9	1230.2	1231.4	1232.7	1233.9	1232.7	1231.4	1230.2
162.5°	1244.7	1243.7	1243.2	1243.8	1245.1	1246.3	1247.6	1248.8	1247.6	1246.3	1245.1
165°	1257.1	1256.5	1256.2	1256.8	1258.1	1259.3	1260.6	1261.8	1260.6	1259.3	1258.1
167.5°	1267.4	1266.8	1266.5	1267.1	1268.4	1269.6	1270.9	1272.1	1270.9	1269.6	1268.4
170°	1275.5	1275.1	1274.9	1275.5	1276.8	1278.0	1279.3	1280.5	1279.3	1278.0	1276.8
172.5°	1281.1	1280.7	1280.5	1281.1	1282.4	1283.6	1284.9	1286.1	1284.9	1283.6	1282.4
175°	1284.8	1284.4	1284.2	1284.9	1286.4	1287.8	1289.3	1290.7	1289.3	1287.8	1286.4
177.5°	1286.4	1286.2	1286.1	1286.8	1288.3	1289.7	1291.2	1292.6	1291.2	1289.7	1288.3
180°	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9

TEST NUMBER: P1029429

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4
2.5°	547.5	549.6	549.2	544.9	540.2	536.4	529.2	530.0	527.5	527.9	530.4
5°	533.8	533.8	532.1	526.2	518.5	514.3	506.2	504.1	499.0	498.5	498.1
7.5°	519.4	517.3	515.1	506.6	497.3	490.5	479.4	476.8	471.7	468.3	466.6
10°	502.4	499.4	495.1	485.4	473.9	465.4	453.9	450.5	440.7	436.4	433.9
12.5°	483.7	482.0	475.1	467.1	448.3	439.0	422.4	425.8	416.0	407.5	406.2
15°	464.9	458.6	454.7	441.5	419.0	414.7	401.6	394.7	385.8	379.0	379.0
17.5°	446.6	436.9	428.4	414.3	397.7	385.8	376.0	372.6	361.6	354.8	353.5
20°	422.4	411.3	409.2	389.2	377.7	364.5	355.2	346.7	338.6	335.6	333.5
22.5°	399.4	386.7	383.3	366.2	354.8	341.6	332.2	326.3	320.3	318.2	314.4
25°	374.8	367.1	362.0	343.7	330.9	318.6	312.2	308.0	302.4	302.0	299.5
27.5°	350.9	343.7	338.6	321.2	311.8	300.3	295.2	290.5	287.6	286.3	285.0
30°	330.5	322.4	316.5	303.7	292.2	282.9	278.6	275.6	273.9	271.8	271.4
32.5°	308.0	303.3	295.2	285.4	276.5	267.6	265.0	262.9	260.3	259.5	259.1
35°	288.8	282.4	277.3	266.3	262.5	254.8	251.8	250.1	246.7	245.9	245.0
37.5°	270.1	264.2	258.6	251.8	244.6	240.3	238.6	236.1	234.4	234.8	234.0
40°	251.4	246.7	242.5	235.2	231.0	228.9	225.4	222.9	222.0	222.5	222.0
42.5°	233.1	228.9	226.3	220.8	216.5	214.4	212.3	209.7	211.0	211.0	212.3
45°	216.5	212.7	211.0	206.7	204.2	200.8	198.7	198.2	199.9	199.5	199.5
47.5°	199.5	198.2	196.1	192.3	188.9	186.7	186.3	186.3	188.0	188.9	188.4
50°	186.3	183.8	181.2	178.2	175.7	174.8	173.6	174.4	176.1	176.1	177.0
52.5°	169.7	168.0	167.2	164.6	162.9	162.9	162.9	163.3	164.6	165.9	165.5
55°	155.3	154.0	153.1	151.9	149.7	150.2	149.7	150.6	151.9	153.1	154.0
57.5°	139.9	139.5	138.7	136.5	136.5	136.1	137.4	137.8	139.9	140.8	142.1
60°	126.3	125.1	125.1	123.4	123.4	123.4	124.6	125.9	127.6	128.0	128.9
62.5°	111.9	111.9	111.4	110.2	110.2	111.4	111.9	113.6	114.4	114.4	115.7
65°	98.3	97.8	97.4	97.8	98.3	98.3	99.5	100.4	101.2	101.7	102.1
67.5°	84.6	84.2	85.1	84.6	85.5	87.2	86.8	88.1	89.3	89.3	89.8
70°	71.9	72.7	72.3	73.2	72.7	73.6	74.9	75.3	75.3	75.7	77.0
72.5°	60.0	60.0	60.0	59.6	60.0	60.8	61.7	62.1	63.0	63.4	64.7
75°	48.5	48.5	47.6	48.5	48.5	49.3	50.2	50.2	50.2	51.0	52.3
77.5°	36.6	37.0	36.6	37.4	37.4	37.9	38.7	38.3	39.1	39.6	40.0
80°	26.8	26.4	26.4	26.4	26.8	26.8	27.6	28.1	28.1	29.4	28.5
82.5°	17.0	17.4	17.0	17.4	17.4	17.9	17.4	17.9	18.3	19.1	18.7
85°	9.8	9.4	9.4	9.8	9.4	9.4	9.8	9.4	9.8	9.4	9.8
87.5°	3.8	3.4	3.4	3.4	3.4	3.0	3.0	2.6	2.6	2.6	2.1
90°	10.1	11.2	12.0	13.7	15.3	17.0	18.6	19.6	20.7	21.7	22.8
92.5°	20.0	19.6	19.9	20.5	21.2	21.8	22.4	22.8	23.2	23.6	24.0
95°	33.2	29.8	30.5	32.0	33.4	34.9	36.3	37.3	38.4	39.4	40.5
97.5°	41.1	32.6	34.3	37.6	40.9	44.2	47.5	48.1	48.7	49.4	50.0
100°	51.5	37.3	39.1	42.6	46.1	49.6	53.1	54.8	56.4	58.1	59.8
102.5°	224.8	224.6	205.8	168.1	130.4	92.7	55.0	57.3	59.5	61.8	64.1
105°	308.2	311.3	283.0	226.5	169.9	113.4	56.8	59.1	61.4	63.7	66.0
107.5°	370.2	372.8	337.9	268.1	198.3	128.5	58.7	61.0	63.3	65.6	67.9
110°	430.2	432.4	402.5	342.6	282.8	222.9	163.1	142.4	121.7	101.0	80.3

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	487.4	489.3	487.5	484.0	480.5	476.9	473.4	384.2	294.9	205.7	116.4
115°	549.9	551.7	554.3	559.5	564.6	569.8	575.0	479.1	383.2	287.3	191.4
117.5°	607.4	609.5	611.3	614.8	618.3	621.8	625.3	595.7	566.1	536.5	506.9
120°	664.7	666.3	668.2	671.9	675.6	679.4	683.1	685.6	688.1	690.6	693.1
122.5°	717.7	719.4	721.5	725.6	729.8	733.9	738.1	739.3	740.6	741.8	743.1
125°	768.5	769.8	771.8	775.7	779.6	783.6	787.5	788.9	790.4	791.8	793.3
127.5°	817.7	819.2	820.7	823.8	826.9	830.0	833.1	835.2	837.3	839.4	841.5
130°	865.0	866.7	867.8	870.1	872.4	874.6	876.9	879.2	881.5	883.8	886.1
132.5°	909.2	910.5	911.6	913.9	916.2	918.4	920.7	922.6	924.4	926.3	928.2
135°	950.7	952.4	953.3	955.2	957.1	958.9	960.8	962.9	964.9	967.0	969.1
137.5°	988.5	989.7	990.7	992.8	994.9	996.9	999.0	1001.1	1003.1	1005.2	1007.3
140°	1025.3	1026.1	1027.2	1029.5	1031.8	1034.0	1036.3	1038.2	1040.0	1041.9	1043.8
142.5°	1058.0	1058.7	1060.0	1062.7	1065.4	1068.1	1070.8	1072.4	1074.1	1075.7	1077.4
145°	1086.7	1086.6	1088.4	1091.9	1095.4	1099.0	1102.5	1103.9	1105.4	1106.8	1108.3
147.5°	1115.8	1115.5	1117.3	1120.8	1124.3	1127.9	1131.4	1132.4	1133.4	1134.5	1135.5
150°	1142.3	1141.6	1143.3	1146.6	1149.9	1153.2	1156.5	1157.7	1159.0	1160.2	1161.5
152.5°	1166.6	1165.8	1167.4	1170.5	1173.6	1176.7	1179.8	1181.0	1182.3	1183.5	1184.8
155°	1190.0	1189.1	1190.3	1192.8	1195.3	1197.8	1200.3	1201.5	1202.8	1204.0	1205.3
157.5°	1210.4	1209.6	1210.5	1212.4	1214.3	1216.1	1218.0	1219.5	1220.9	1222.4	1223.9
160°	1228.9	1228.3	1228.9	1230.2	1231.4	1232.7	1233.9	1235.1	1236.4	1237.6	1238.9
162.5°	1243.8	1243.2	1243.7	1244.7	1245.8	1246.8	1247.8	1249.3	1250.7	1252.2	1253.7
165°	1256.8	1256.2	1256.5	1257.1	1257.8	1258.4	1259.0	1260.5	1261.9	1263.4	1264.9
167.5°	1267.1	1266.5	1266.8	1267.4	1268.1	1268.7	1269.3	1270.7	1272.2	1273.6	1275.1
170°	1275.5	1274.9	1275.1	1275.5	1275.9	1276.3	1276.7	1278.2	1279.6	1281.1	1282.6
172.5°	1281.1	1280.5	1280.7	1281.1	1281.5	1281.9	1282.3	1283.8	1285.2	1286.7	1288.2
175°	1284.9	1284.2	1284.4	1284.8	1285.3	1285.7	1286.1	1287.5	1289.0	1290.4	1291.9
177.5°	1286.8	1286.1	1286.2	1286.4	1286.6	1286.8	1287.0	1288.4	1289.9	1291.3	1292.8
180°	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9

TEST NUMBER: P1029429

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4
2.5°	527.5	528.7	525.8	524.9	525.8	522.8	523.6	524.5	524.5	525.8	526.6
5°	496.8	495.1	492.2	491.3	490.5	491.7	490.9	492.2	492.6	495.6	496.0
7.5°	466.6	464.1	461.5	459.0	458.1	456.0	458.1	458.1	461.1	460.3	462.4
10°	430.9	430.5	427.1	425.8	424.1	420.7	425.4	424.1	426.2	430.1	430.9
12.5°	404.5	399.9	402.0	396.0	398.2	394.7	395.2	395.2	398.6	399.0	398.2
15°	379.4	375.6	370.1	367.5	366.2	364.5	370.1	370.5	368.0	373.9	371.8
17.5°	353.9	353.9	348.8	347.5	344.1	345.8	345.0	345.4	344.6	348.8	350.9
20°	331.8	329.7	328.0	328.4	324.1	323.3	322.4	323.3	326.3	329.2	330.1
22.5°	313.9	312.7	308.4	309.2	305.8	307.1	306.3	308.4	308.8	308.8	311.8
25°	296.9	295.2	295.6	293.9	292.7	292.7	291.4	292.7	294.4	295.2	295.6
27.5°	284.2	282.9	280.7	279.5	280.3	278.2	279.9	281.2	281.2	280.3	281.2
30°	268.8	269.7	269.7	265.4	267.1	266.3	267.6	268.4	268.4	268.8	268.0
32.5°	258.6	256.1	255.7	255.2	255.2	253.5	253.5	254.8	255.2	255.7	256.9
35°	245.0	245.0	242.9	244.2	242.5	242.9	242.5	242.9	243.7	242.5	243.7
37.5°	232.7	233.1	232.3	233.1	233.5	232.7	231.8	233.5	232.7	232.7	231.8
40°	222.0	221.6	222.0	222.0	222.0	222.5	221.6	221.6	221.6	220.8	219.9
42.5°	213.1	210.6	211.4	211.8	210.6	210.6	211.0	210.6	211.8	209.3	209.3
45°	200.4	199.5	199.9	199.9	200.8	199.5	200.4	200.8	199.5	199.1	198.2
47.5°	188.9	189.7	188.9	189.7	189.7	190.6	188.9	189.3	189.7	188.0	186.7
50°	177.4	177.4	178.7	178.2	178.7	177.8	177.8	177.4	177.8	177.0	175.7
52.5°	166.7	165.5	167.6	167.2	166.7	166.3	165.9	166.3	165.5	164.6	164.6
55°	153.6	153.6	154.8	155.3	155.3	154.4	153.6	154.0	153.6	153.1	152.7
57.5°	142.9	141.2	142.1	142.5	142.5	141.2	142.1	141.2	141.2	141.7	140.4
60°	129.3	129.3	128.5	129.7	129.7	128.9	128.9	129.3	128.5	128.0	127.6
62.5°	114.9	115.3	116.6	117.0	117.4	116.6	115.7	116.1	116.1	114.9	115.3
65°	102.5	103.4	105.1	104.6	103.8	104.2	103.4	103.8	102.5	102.9	101.7
67.5°	90.6	90.2	90.6	90.6	91.5	91.0	90.2	90.2	89.8	91.0	89.8
70°	77.8	77.8	77.8	77.8	78.3	78.7	77.8	77.0	77.4	76.6	76.1
72.5°	64.7	65.1	64.7	65.5	64.2	65.1	65.1	64.7	64.2	64.2	64.2
75°	52.3	53.2	51.9	52.3	51.9	52.7	52.3	52.3	51.5	51.0	51.5
77.5°	40.0	40.4	39.6	40.0	39.6	40.0	40.0	39.6	39.6	39.6	39.6
80°	28.5	28.9	28.5	28.1	27.6	28.5	27.6	28.1	28.5	28.1	28.9
82.5°	18.3	18.3	17.9	18.3	17.4	17.4	17.9	17.9	17.4	18.3	17.4
85°	8.9	8.9	9.8	8.9	8.5	8.5	8.5	8.9	8.5	9.4	8.9
87.5°	2.1	1.7	2.1	2.1	1.7	1.7	2.1	1.7	2.1	2.6	1.7
90°	23.3	23.5	23.9	24.4	24.8	25.2	24.8	24.4	23.9	23.5	23.3
92.5°	24.2	24.3	24.5	24.8	25.0	25.2	25.0	24.8	24.5	24.3	24.2
95°	41.0	40.9	40.7	40.5	40.3	40.1	40.3	40.5	40.7	40.9	41.0
97.5°	50.3	50.4	50.6	50.9	51.1	51.3	51.1	50.9	50.6	50.4	50.3
100°	60.6	60.8	61.2	61.6	62.0	62.4	62.0	61.6	61.2	60.8	60.6
102.5°	65.2	65.5	66.1	66.8	67.4	68.0	67.4	66.8	66.1	65.5	65.2
105°	67.1	67.5	68.3	69.2	70.0	70.8	70.0	69.2	68.3	67.5	67.1
107.5°	69.0	69.4	70.2	71.1	71.9	72.7	71.9	71.1	70.2	69.4	69.0
110°	69.9	70.3	71.1	72.0	72.8	73.6	72.8	72.0	71.1	70.3	69.9

TEST NUMBER: P1029429

CATALOG NUMBER: S122DIW-B290D970UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	71.8	72.1	72.7	73.4	74.0	74.6	74.0	73.4	72.7	72.1	71.8
115°	143.5	136.0	121.1	106.2	91.3	76.4	91.3	106.2	121.1	136.0	143.5
117.5°	492.1	465.0	410.7	356.4	302.2	247.9	302.2	356.4	410.7	465.0	492.1
120°	694.3	680.3	652.4	624.4	596.5	568.5	596.5	624.4	652.4	680.3	694.3
122.5°	743.7	743.8	744.0	744.2	744.4	744.6	744.4	744.2	744.0	743.8	743.7
125°	794.0	794.3	794.9	795.6	796.2	796.8	796.2	795.6	794.9	794.3	794.0
127.5°	842.5	842.6	842.8	843.0	843.2	843.4	843.2	843.0	842.8	842.6	842.5
130°	887.2	887.1	886.9	886.7	886.5	886.3	886.5	886.7	886.9	887.1	887.2
132.5°	929.1	929.0	928.8	928.6	928.4	928.2	928.4	928.6	928.8	929.0	929.1
135°	970.1	969.9	969.5	969.1	968.7	968.3	968.7	969.1	969.5	969.9	970.1
137.5°	1008.3	1008.0	1007.4	1006.7	1006.1	1005.5	1006.1	1006.7	1007.4	1008.0	1008.3
140°	1044.7	1044.2	1043.1	1042.1	1041.0	1040.0	1041.0	1042.1	1043.1	1044.2	1044.7
142.5°	1078.2	1077.7	1076.7	1075.6	1074.6	1073.6	1074.6	1075.6	1076.7	1077.7	1078.2
145°	1109.0	1108.5	1107.4	1106.4	1105.3	1104.3	1105.3	1106.4	1107.4	1108.5	1109.0
147.5°	1136.0	1135.6	1134.8	1133.9	1133.1	1132.3	1133.1	1133.9	1134.8	1135.6	1136.0
150°	1162.1	1161.6	1160.6	1159.5	1158.5	1157.5	1158.5	1159.5	1160.6	1161.6	1162.1
152.5°	1185.4	1184.7	1183.2	1181.8	1180.3	1178.9	1180.3	1181.8	1183.2	1184.7	1185.4
155°	1205.9	1205.1	1203.4	1201.8	1200.1	1198.5	1200.1	1201.8	1203.4	1205.1	1205.9
157.5°	1224.6	1223.8	1222.1	1220.4	1218.8	1217.1	1218.8	1220.4	1222.1	1223.8	1224.6
160°	1239.5	1238.8	1237.3	1235.8	1234.4	1232.9	1234.4	1235.8	1237.3	1238.8	1239.5
162.5°	1254.4	1253.5	1251.6	1249.7	1247.9	1246.0	1247.9	1249.7	1251.6	1253.5	1254.4
165°	1265.6	1264.9	1263.4	1261.9	1260.5	1259.0	1260.5	1261.9	1263.4	1264.9	1265.6
167.5°	1275.8	1274.9	1273.0	1271.1	1269.3	1267.4	1269.3	1271.1	1273.0	1274.9	1275.8
170°	1283.3	1282.4	1280.5	1278.6	1276.8	1274.9	1276.8	1278.6	1280.5	1282.4	1283.3
172.5°	1288.9	1288.0	1286.1	1284.2	1282.4	1280.5	1282.4	1284.2	1286.1	1288.0	1288.9
175°	1292.6	1291.6	1289.5	1287.4	1285.4	1283.3	1285.4	1287.4	1289.5	1291.6	1292.6
177.5°	1293.5	1292.6	1290.7	1288.8	1287.0	1285.1	1287.0	1288.8	1290.7	1292.6	1293.5
180°	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9

TEST NUMBER: P1029429

CATALOG NUMBER: S122DIW-B290D970UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4
2.5°	525.3	528.7	527.5	522.8	528.3	528.3	532.1	532.1	536.8	538.5	541.1
5°	495.6	498.1	500.2	498.1	501.9	507.9	511.3	514.3	520.7	523.2	527.0
7.5°	463.7	468.3	470.5	470.5	476.8	483.7	490.5	494.7	503.6	507.0	510.9
10°	432.6	438.1	442.4	442.0	452.6	456.9	465.4	475.1	484.1	489.2	494.7
12.5°	399.9	402.8	408.8	417.3	419.8	427.5	437.3	449.6	465.8	470.5	478.5
15°	372.6	380.7	385.4	389.2	395.2	402.4	413.0	425.0	441.1	451.3	459.8
17.5°	349.7	360.3	363.3	362.4	370.1	381.1	393.5	402.4	416.9	429.2	437.3
20°	330.9	335.2	340.3	342.4	348.4	360.3	372.2	382.4	394.3	404.1	413.5
22.5°	312.2	315.6	319.9	323.7	328.4	335.2	346.7	359.4	370.9	380.3	390.9
25°	296.9	299.0	302.9	305.8	310.9	315.6	323.7	337.7	351.4	356.9	366.2
27.5°	282.0	283.7	286.3	289.7	292.2	296.9	304.1	315.6	329.7	335.2	348.0
30°	268.8	270.1	272.7	274.4	275.6	281.2	286.7	295.6	306.3	313.9	323.3
32.5°	256.5	257.8	260.3	260.8	262.5	265.4	270.5	278.6	288.0	294.4	302.4
35°	242.9	243.7	246.3	247.1	248.4	251.0	254.8	260.8	269.3	273.9	281.2
37.5°	232.3	231.8	233.5	234.8	236.5	237.8	239.1	245.0	251.4	255.7	261.2
40°	220.8	219.9	220.3	222.0	222.9	224.6	224.6	230.6	234.8	238.2	242.5
42.5°	209.3	208.9	208.0	208.9	209.7	210.1	210.6	214.8	219.1	222.0	226.7
45°	197.8	197.4	196.5	196.9	196.9	197.8	199.1	200.8	203.8	206.3	208.9
47.5°	187.2	186.3	185.0	184.6	185.5	185.5	185.5	187.2	190.1	191.0	193.5
50°	176.1	174.8	173.1	172.3	172.3	171.9	172.7	173.1	175.7	176.5	178.7
52.5°	164.2	163.3	161.6	159.9	160.4	159.5	159.9	160.4	161.2	162.5	163.8
55°	152.3	150.6	149.3	148.9	147.6	147.6	146.3	148.0	147.6	148.0	149.7
57.5°	140.8	139.1	137.0	136.1	134.8	134.4	133.6	133.1	133.6	134.8	136.1
60°	127.2	126.3	125.1	123.8	122.9	121.7	120.8	120.8	120.4	120.4	120.8
62.5°	114.0	113.6	111.9	111.4	110.6	109.7	108.5	107.6	107.6	108.5	108.9
65°	101.2	100.8	99.5	99.1	97.0	96.1	95.7	95.3	94.4	94.4	94.4
67.5°	89.3	88.1	88.1	85.9	84.2	83.4	82.5	82.1	82.1	82.1	82.5
70°	76.1	76.1	74.9	73.6	71.9	72.3	71.0	69.8	69.8	68.9	69.3
72.5°	63.4	63.0	61.7	61.3	60.0	58.7	57.9	58.7	57.4	57.0	57.4
75°	51.0	50.6	49.8	48.9	49.3	48.1	46.8	46.4	46.4	45.5	45.5
77.5°	39.1	40.0	38.3	37.9	37.0	36.2	35.7	35.3	35.3	35.3	36.2
80°	27.2	27.6	27.6	26.8	27.2	25.9	25.9	25.9	24.7	25.1	25.5
82.5°	17.4	17.4	17.0	17.4	17.0	17.0	16.6	16.6	16.2	16.2	16.6
85°	9.8	9.4	8.9	9.8	9.4	9.4	8.9	8.9	8.9	8.9	8.9
87.5°	2.1	2.6	2.6	2.6	2.6	3.0	3.0	3.0	3.4	3.4	3.4
90°	22.8	21.7	20.7	19.6	18.6	17.0	15.3	13.7	12.0	11.2	10.1
92.5°	24.0	23.6	23.2	22.8	22.4	21.8	21.2	20.5	19.9	19.6	20.0
95°	40.5	39.4	38.4	37.3	36.3	34.9	33.4	32.0	30.5	29.8	33.2
97.5°	50.0	49.4	48.7	48.1	47.5	44.2	40.9	37.6	34.3	32.6	41.1
100°	59.8	58.1	56.4	54.8	53.1	49.6	46.1	42.6	39.1	37.3	51.5
102.5°	64.1	61.8	59.5	57.3	55.0	92.7	130.4	168.1	205.8	224.6	224.8
105°	66.0	63.7	61.4	59.1	56.8	113.4	169.9	226.5	283.0	311.3	308.2
107.5°	67.9	65.6	63.3	61.0	58.7	128.5	198.3	268.1	337.9	372.8	370.2
110°	80.3	101.0	121.7	142.4	163.1	222.9	282.8	342.6	402.5	432.4	430.2

TEST NUMBER: P1029429

CATALOG NUMBER: S122DIW-B290D970UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	116.4	205.7	294.9	384.2	473.4	476.9	480.5	484.0	487.5	489.3	487.4
115°	191.4	287.3	383.2	479.1	575.0	569.8	564.6	559.5	554.3	551.7	549.9
117.5°	506.9	536.5	566.1	595.7	625.3	621.8	618.3	614.8	611.3	609.5	607.4
120°	693.1	690.6	688.1	685.6	683.1	679.4	675.6	671.9	668.2	666.3	664.7
122.5°	743.1	741.8	740.6	739.3	738.1	733.9	729.8	725.6	721.5	719.4	717.7
125°	793.3	791.8	790.4	788.9	787.5	783.6	779.6	775.7	771.8	769.8	768.5
127.5°	841.5	839.4	837.3	835.2	833.1	830.0	826.9	823.8	820.7	819.2	817.7
130°	886.1	883.8	881.5	879.2	876.9	874.6	872.4	870.1	867.8	866.7	865.0
132.5°	928.2	926.3	924.4	922.6	920.7	918.4	916.2	913.9	911.6	910.5	909.2
135°	969.1	967.0	964.9	962.9	960.8	958.9	957.1	955.2	953.3	952.4	950.7
137.5°	1007.3	1005.2	1003.1	1001.1	999.0	996.9	994.9	992.8	990.7	989.7	988.5
140°	1043.8	1041.9	1040.0	1038.2	1036.3	1034.0	1031.8	1029.5	1027.2	1026.1	1025.3
142.5°	1077.4	1075.7	1074.1	1072.4	1070.8	1068.1	1065.4	1062.7	1060.0	1058.7	1058.0
145°	1108.3	1106.8	1105.4	1103.9	1102.5	1099.0	1095.4	1091.9	1088.4	1086.6	1086.7
147.5°	1135.5	1134.5	1133.4	1132.4	1131.4	1127.9	1124.3	1120.8	1117.3	1115.5	1115.8
150°	1161.5	1160.2	1159.0	1157.7	1156.5	1153.2	1149.9	1146.6	1143.3	1141.6	1142.3
152.5°	1184.8	1183.5	1182.3	1181.0	1179.8	1176.7	1173.6	1170.5	1167.4	1165.8	1166.6
155°	1205.3	1204.0	1202.8	1201.5	1200.3	1197.8	1195.3	1192.8	1190.3	1189.1	1190.0
157.5°	1223.9	1222.4	1220.9	1219.5	1218.0	1216.1	1214.3	1212.4	1210.5	1209.6	1210.4
160°	1238.9	1237.6	1236.4	1235.1	1233.9	1232.7	1231.4	1230.2	1228.9	1228.3	1228.9
162.5°	1253.7	1252.2	1250.7	1249.3	1247.8	1246.8	1245.8	1244.7	1243.7	1243.2	1243.8
165°	1264.9	1263.4	1261.9	1260.5	1259.0	1258.4	1257.8	1257.1	1256.5	1256.2	1256.8
167.5°	1275.1	1273.6	1272.2	1270.7	1269.3	1268.7	1268.1	1267.4	1266.8	1266.5	1267.1
170°	1282.6	1281.1	1279.6	1278.2	1276.7	1276.3	1275.9	1275.5	1275.1	1274.9	1275.5
172.5°	1288.2	1286.7	1285.2	1283.8	1282.3	1281.9	1281.5	1281.1	1280.7	1280.5	1281.1
175°	1291.9	1290.4	1289.0	1287.5	1286.1	1285.7	1285.3	1284.8	1284.4	1284.2	1284.9
177.5°	1292.8	1291.3	1289.9	1288.4	1287.0	1286.8	1286.6	1286.4	1286.2	1286.1	1286.8
180°	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9	1287.9

TEST NUMBER: P1029429

CATALOG NUMBER: S122DIW-B290D970UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	553.4	553.4	553.4	553.4
2.5°	543.2	543.2	549.6	556.4
5°	531.3	534.3	544.5	553.8
7.5°	519.8	524.9	537.7	549.6
10°	505.8	512.6	528.3	542.4
12.5°	492.2	498.5	516.8	532.6
15°	473.0	481.1	500.7	520.2
17.5°	453.9	462.0	485.8	508.7
20°	431.3	442.0	468.8	499.4
22.5°	410.5	423.7	453.5	478.1
25°	387.5	407.9	435.6	467.5
27.5°	367.1	387.5	415.6	447.9
30°	344.1	365.0	393.9	423.7
32.5°	322.0	341.2	369.2	405.8
35°	299.0	317.3	344.6	381.6
37.5°	278.2	296.1	325.8	359.9
40°	257.8	276.5	302.0	336.0
42.5°	238.6	255.2	278.2	312.2
45°	221.2	233.1	254.4	286.3
47.5°	202.9	213.5	233.1	265.0
50°	185.9	194.8	211.8	241.6
52.5°	169.3	177.0	192.7	216.5
55°	154.4	161.6	173.1	196.5
57.5°	139.1	144.6	155.7	174.4
60°	124.2	129.3	138.2	153.6
62.5°	109.3	113.6	122.1	134.4
65°	96.1	99.5	105.9	116.6
67.5°	83.4	85.5	90.6	99.1
70°	71.0	72.7	77.0	83.8
72.5°	57.9	59.6	64.2	68.9
75°	46.8	47.2	50.6	54.4
77.5°	36.6	36.2	38.7	41.7
80°	25.1	26.4	28.5	29.8
82.5°	17.0	17.4	18.3	19.1
85°	9.4	9.8	9.8	11.1
87.5°	3.8	4.3	4.3	4.7
90°	7.8	5.5	3.2	0.9
92.5°	20.8	21.7	22.5	23.3
95°	40.1	46.9	53.8	60.6
97.5°	58.1	75.0	92.0	109.0
100°	79.9	108.2	136.6	165.0
102.5°	225.2	225.7	226.1	226.5
105°	302.0	295.7	289.5	283.3
107.5°	365.0	359.9	354.7	349.5
110°	425.9	421.5	417.2	412.8

TEST NUMBER: P1029429

CATALOG NUMBER: S122DIW-B290D970UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	483.7	480.0	476.2	472.5
115°	546.4	542.9	539.4	535.9
117.5°	603.3	599.1	595.0	590.8
120°	661.6	658.5	655.4	652.3
122.5°	714.4	711.1	707.8	704.5
125°	765.8	763.1	760.4	757.7
127.5°	814.8	811.9	809.0	806.1
130°	861.7	858.4	855.1	851.8
132.5°	906.5	903.8	901.1	898.4
135°	947.4	944.1	940.8	937.5
137.5°	986.0	983.5	981.0	978.5
140°	1023.6	1021.9	1020.3	1018.6
142.5°	1056.5	1055.0	1053.6	1052.1
145°	1086.9	1087.2	1087.4	1087.6
147.5°	1116.4	1117.1	1117.7	1118.3
150°	1143.8	1145.2	1146.7	1148.1
152.5°	1168.3	1170.0	1171.6	1173.3
155°	1191.9	1193.8	1195.6	1197.5
157.5°	1212.1	1213.8	1215.4	1217.1
160°	1230.2	1231.4	1232.7	1233.9
162.5°	1245.1	1246.3	1247.6	1248.8
165°	1258.1	1259.3	1260.6	1261.8
167.5°	1268.4	1269.6	1270.9	1272.1
170°	1276.8	1278.0	1279.3	1280.5
172.5°	1282.4	1283.6	1284.9	1286.1
175°	1286.4	1287.8	1289.3	1290.7
177.5°	1288.3	1289.7	1291.2	1292.6
180°	1287.9	1287.9	1287.9	1287.9

(END OF REPORT)