

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: P1029301

Luminaire Tested: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_2700K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029301
REPORT IS A COMBINATION OF REPORTS P985477 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_2700K
Description: Define 2 Direct/Indirect Wall Mount with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

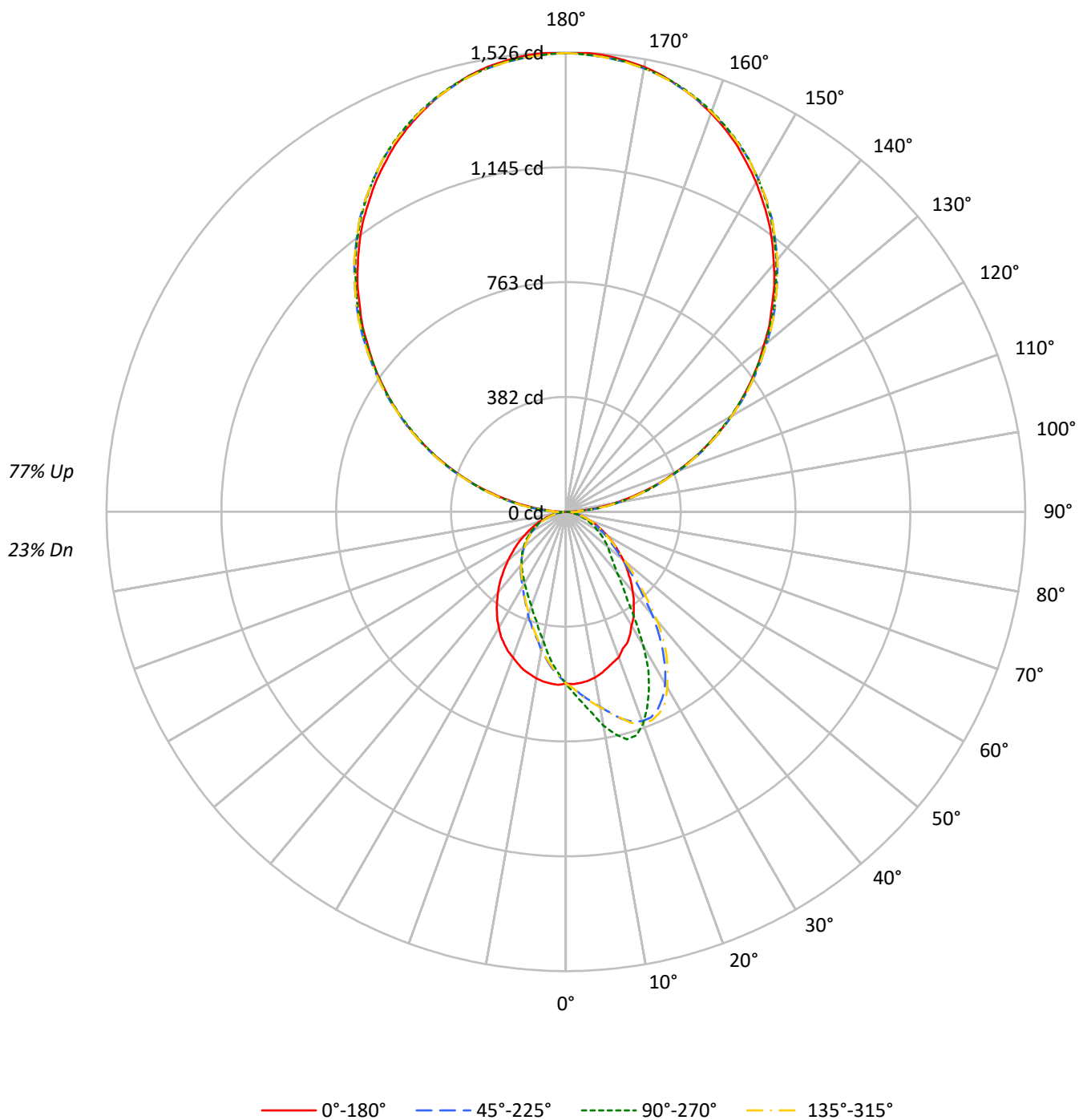
Lumens per Lamp: N/A
Luminaire Lumens: 5523.0 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 55.1
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



TEST NUMBER: P1029301

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	101	101	101	101	89	89	89	89	68	68	68	49	49	49	31	31	31			23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27			20
2	84	77	71	66	74	68	64	60	53	50	47	38	36	34	25	24	23			17
3	77	68	61	55	68	60	55	50	47	43	40	34	31	29	22	21	20			14
4	70	60	53	47	62	54	47	42	41	37	34	30	28	25	20	18	17			13
5	64	53	46	40	57	48	41	36	37	33	29	27	24	22	18	16	15			11
6	59	48	40	35	52	43	36	31	33	29	25	25	22	19	16	15	13			10
7	55	43	35	30	48	39	32	28	30	26	22	22	19	17	15	13	12			9
8	51	39	32	27	45	35	29	24	27	23	20	20	17	15	14	12	11			8
9	47	35	28	24	42	32	26	22	25	21	17	19	16	14	13	11	10			7
10	44	32	26	21	39	29	23	19	23	19	16	17	14	12	12	10	9			7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9026	9026	9026	9026
5°	9047	9623	9082	7656
10°	8942	10506	8998	6312
15°	8725	11080	8846	5317
20°	8589	10405	8589	4622
25°	8316	8938	8353	4132
30°	7865	7027	8014	3744
35°	7466	4859	7591	3424
40°	7007	3669	7088	3171
45°	6443	3015	6548	2896
50°	5952	2646	5964	2652
55°	5396	2254	5430	2386
60°	4801	1883	4867	2082
65°	4269	1532	4348	1779
70°	3737	1201	3833	1435
75°	3138	873	3261	1039
80°	2451	553	2627	618
85°	1610	277	1737	207

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 9330 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	1.0
10°-20°	158.1	2.9
20°-30°	229.4	4.2
30°-40°	241.8	4.4
40°-50°	214.0	3.9
50°-60°	170.9	3.1
60°-70°	116.1	2.1
70°-80°	59.4	1.1
80°-90°	18.4	0.3
90°-100°	94.3	1.7
100°-110°	299.7	5.4
110°-120°	512.8	9.3
120°-130°	674.4	12.2
130°-140°	757.0	13.7
140°-150°	742.4	13.4
150°-160°	622.7	11.3
160°-170°	413.0	7.5
170°-180°	144.3	2.6
0°-30°	441.8	8.0
0°-40°	683.6	12.4
0°-60°	1068.5	19.3
0°-90°	1262.3	22.9
90°-120°	906.8	16.4
90°-150°	3080.6	55.8
90°-180°	4261.0	77.1
0°-180°	5523.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	570	570	570	570	570	
5°	571	637	573	507	571	54
15°	536	783	543	376	536	151
25°	482	652	484	302	482	220
35°	393	355	400	250	393	246
45°	295	214	300	206	295	229
55°	202	150	204	159	202	181
65°	120	92	122	107	120	119
75°	56	46	58	54	56	60
85°	11	12	12	9	11	13
90°	1	44	1	44	1	5
95°	67	80	67	80	67	75
105°	276	286	276	286	276	292
115°	514	514	514	514	514	509
125°	748	751	748	751	748	669
135°	968	980	968	980	968	748
145°	1175	1188	1175	1188	1175	734
155°	1344	1354	1344	1354	1344	619
165°	1462	1464	1462	1464	1462	412
175°	1521	1516	1521	1516	1521	145
180°	1524	1524	1524	1524	1524	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	573.3	574.6	576.8	577.2	581.6	585.1	589.0	589.0	590.3	589.9	586.4
5°	570.6	574.6	580.3	585.1	593.0	596.5	601.7	605.7	609.2	611.8	611.4
7.5°	566.2	573.3	581.6	590.8	601.3	607.4	614.9	621.9	626.7	631.1	634.2
10°	558.8	570.6	582.0	594.3	607.9	616.2	625.0	634.2	641.6	649.9	657.8
12.5°	548.7	565.8	579.8	596.0	612.7	621.9	635.9	642.9	657.4	678.4	684.1
15°	536.0	559.2	572.4	593.0	614.9	622.3	641.6	653.0	682.8	696.0	711.7
17.5°	524.2	550.0	567.6	591.2	612.7	627.2	646.0	669.2	694.2	713.1	730.6
20°	514.5	539.5	560.5	586.8	614.0	632.4	652.1	680.2	707.4	726.6	740.2
22.5°	492.6	524.6	549.1	578.5	611.4	636.8	655.6	686.3	715.7	727.5	739.4
25°	481.7	509.3	537.8	571.1	609.6	639.9	656.1	690.3	716.1	720.5	723.1
27.5°	461.5	492.6	525.9	564.0	609.2	634.6	655.2	686.3	706.9	703.9	696.0
30°	436.5	474.6	511.5	552.7	603.1	630.7	649.9	678.4	689.0	673.2	659.2
32.5°	418.1	454.0	494.8	542.6	596.0	622.3	641.2	663.5	665.7	637.2	613.6
35°	393.1	433.0	479.0	529.4	584.2	607.9	625.4	639.0	628.5	588.6	560.5
37.5°	370.8	410.2	459.3	510.6	568.0	591.2	605.2	607.4	581.6	546.5	505.3
40°	346.2	387.0	438.3	492.2	550.0	570.2	578.9	572.4	535.1	494.4	446.6
42.5°	321.7	362.0	417.2	472.5	527.2	544.3	547.8	529.9	484.3	436.5	381.3
45°	295.0	337.0	392.2	447.9	500.9	510.6	511.0	485.2	431.3	381.3	330.0
47.5°	273.0	312.0	366.8	422.5	467.2	473.8	471.1	441.3	382.6	326.5	281.8
50°	248.9	286.2	340.5	395.3	433.4	435.2	428.6	386.1	328.7	277.4	241.9
52.5°	223.1	260.8	310.7	363.3	397.5	394.9	382.2	336.6	282.7	240.2	213.0
55°	202.5	235.8	282.7	334.0	358.1	350.6	336.6	290.1	247.6	211.7	188.0
57.5°	179.7	209.1	255.1	299.8	313.8	306.8	292.8	249.4	209.9	182.8	167.0
60°	158.2	184.9	225.3	262.5	273.5	266.0	249.8	210.8	182.3	159.5	147.7
62.5°	138.5	161.7	195.5	229.7	234.0	226.6	212.6	181.0	156.5	138.5	129.7
65°	120.1	142.0	169.2	195.0	199.0	191.1	176.6	153.8	133.2	121.8	113.5
67.5°	102.1	119.6	143.8	162.6	164.8	157.3	145.5	127.1	114.4	102.1	96.0
70°	86.3	99.5	118.3	133.7	134.5	127.5	121.4	104.7	95.1	86.3	81.5
72.5°	71.0	80.2	94.7	106.1	106.5	102.1	96.4	85.9	77.6	71.4	66.6
75°	56.1	64.0	72.8	82.8	82.4	78.9	74.5	67.9	60.9	57.0	54.8
77.5°	43.0	47.8	54.8	61.4	61.4	59.6	57.0	52.2	47.8	43.8	41.6
80°	30.7	33.7	39.4	41.6	42.5	42.1	39.9	36.4	34.6	31.6	30.7
82.5°	19.7	21.9	24.5	26.7	28.0	27.2	26.7	25.0	22.4	21.5	20.6
85°	11.4	12.3	13.6	14.9	15.3	14.9	15.8	14.5	13.1	13.1	12.7
87.5°	4.8	5.3	6.1	6.1	6.6	6.6	6.1	6.6	6.6	6.1	5.7
90°	1.3	4.7	8.1	11.6	15.0	16.7	19.8	26.1	32.4	38.7	45.0
92.5°	28.3	30.6	32.9	35.2	37.5	38.6	38.7	39.0	39.3	39.6	39.9
95°	66.9	69.7	72.6	75.4	78.3	79.7	80.0	80.6	81.1	81.7	82.3
97.5°	111.9	114.5	117.1	119.6	122.2	123.5	124.1	125.2	126.3	127.5	128.6
100°	163.3	165.6	167.9	170.2	172.5	173.6	174.0	174.9	175.8	176.6	177.5
102.5°	217.3	219.0	220.8	222.5	224.2	225.1	225.7	226.8	227.9	229.1	230.2
105°	276.5	277.4	278.2	279.1	280.0	280.4	280.7	281.2	281.8	282.3	282.9
107.5°	335.7	336.8	338.0	339.1	340.2	340.8	340.8	340.8	340.8	340.8	340.8
110°	392.2	393.9	395.7	397.4	399.1	400.0	400.0	400.0	400.0	400.0	400.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	454.0	455.7	457.4	459.1	460.8	461.7	461.6	461.3	461.0	460.7	460.4
115°	514.4	516.1	517.8	519.5	521.2	522.1	521.8	521.3	520.7	520.2	519.6
117.5°	574.9	577.2	579.4	581.7	584.0	585.1	584.4	583.0	581.5	580.1	578.7
120°	635.3	637.6	639.9	642.2	644.5	645.6	644.5	642.2	639.9	637.6	635.3
122.5°	690.6	693.5	696.3	699.2	702.1	703.5	702.8	701.3	699.9	698.4	697.0
125°	748.5	751.1	753.6	756.2	758.7	760.0	759.6	758.7	757.9	757.0	756.2
127.5°	805.1	808.2	811.4	814.5	817.6	819.2	818.6	817.5	816.4	815.2	814.1
130°	857.8	861.5	865.2	868.9	872.6	874.5	874.2	873.6	873.1	872.5	871.9
132.5°	916.9	919.8	922.6	925.5	928.4	929.8	929.9	930.2	930.5	930.8	931.1
135°	968.4	971.5	974.7	977.8	980.9	982.5	982.8	983.4	983.9	984.5	985.1
137.5°	1025.0	1027.6	1030.1	1032.7	1035.2	1036.5	1036.8	1037.4	1037.9	1038.5	1039.1
140°	1075.1	1077.7	1080.3	1082.8	1085.4	1086.7	1087.4	1088.8	1090.3	1091.7	1093.1
142.5°	1126.6	1129.2	1131.7	1134.3	1136.8	1138.1	1138.5	1139.4	1140.3	1141.1	1142.0
145°	1175.4	1177.4	1179.4	1181.4	1183.4	1184.4	1185.3	1187.0	1188.7	1190.4	1192.1
147.5°	1219.2	1221.8	1224.3	1226.9	1229.4	1230.7	1231.3	1232.4	1233.6	1234.7	1235.9
150°	1264.2	1265.9	1267.6	1269.3	1271.0	1271.9	1272.5	1273.6	1274.7	1275.9	1277.0
152.5°	1304.0	1305.7	1307.5	1309.2	1310.9	1311.8	1312.5	1313.9	1315.4	1316.8	1318.2
155°	1343.9	1344.8	1345.6	1346.5	1347.4	1347.8	1348.2	1349.1	1349.9	1350.8	1351.6
157.5°	1378.6	1379.2	1379.8	1380.3	1380.9	1381.2	1381.5	1382.1	1382.6	1383.2	1383.8
160°	1409.5	1410.1	1410.7	1411.2	1411.8	1412.1	1412.2	1412.5	1412.8	1413.0	1413.3
162.5°	1437.8	1437.8	1437.8	1437.8	1437.8	1437.8	1437.9	1438.2	1438.5	1438.8	1439.1
165°	1462.2	1461.9	1461.6	1461.3	1461.0	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9
167.5°	1484.1	1483.2	1482.4	1481.5	1480.6	1480.2	1480.2	1480.2	1480.2	1480.2	1480.2
170°	1500.8	1499.9	1499.1	1498.2	1497.3	1496.9	1496.8	1496.5	1496.2	1496.0	1495.7
172.5°	1512.4	1511.5	1510.7	1509.8	1508.9	1508.5	1508.4	1508.1	1507.8	1507.5	1507.2
175°	1521.4	1520.5	1519.7	1518.8	1517.9	1517.5	1517.2	1516.6	1516.1	1515.5	1514.9
177.5°	1526.5	1525.7	1524.8	1524.0	1523.1	1522.7	1522.4	1521.8	1521.3	1520.7	1520.1
180°	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	592.5	593.0	593.9	598.2	600.4	600.9	599.1	603.1	604.4	603.1	602.2
5°	620.6	623.2	628.5	634.2	633.7	634.2	636.8	639.4	640.3	636.8	638.1
7.5°	645.1	650.4	656.1	664.8	664.8	669.2	671.0	673.2	678.4	675.8	674.9
10°	673.2	680.2	690.7	704.7	705.2	709.6	713.9	720.9	723.1	721.4	722.3
12.5°	708.2	721.8	722.7	738.0	745.1	745.9	752.9	751.6	756.0	756.0	763.5
15°	723.6	744.6	756.4	771.3	775.7	770.5	776.2	782.3	782.7	782.7	782.3
17.5°	751.2	759.5	771.3	779.2	781.0	781.0	781.4	784.1	782.3	778.8	781.4
20°	756.9	760.4	764.8	763.9	764.8	760.4	756.0	751.6	752.1	749.9	756.4
22.5°	746.4	745.5	735.4	728.8	728.8	720.1	711.7	707.8	703.9	705.2	707.4
25°	720.1	706.5	694.2	684.6	682.4	668.4	657.0	653.5	646.9	652.1	653.0
27.5°	678.0	662.7	642.9	634.6	623.2	617.5	609.6	599.1	585.5	593.4	592.1
30°	632.9	610.1	593.9	573.7	555.7	554.4	539.5	522.0	515.0	515.0	518.9
32.5°	582.5	552.2	528.5	500.1	482.5	475.1	457.1	439.6	443.5	430.4	435.2
35°	523.7	483.8	454.0	426.4	413.3	404.5	381.3	371.6	361.1	355.0	366.4
37.5°	467.6	421.6	383.5	353.2	348.4	332.6	316.9	310.7	304.6	307.2	306.8
40°	399.3	358.5	324.3	300.7	292.3	284.9	274.4	266.9	263.0	265.2	265.6
42.5°	337.5	303.3	277.9	261.2	254.2	248.9	243.7	237.5	236.2	236.2	238.0
45°	289.7	261.6	244.6	231.0	227.0	223.1	219.1	216.5	215.6	213.9	215.2
47.5°	251.6	229.2	218.7	208.6	204.2	203.4	199.8	198.5	196.8	196.3	196.8
50°	219.6	205.5	195.9	190.2	187.1	185.8	184.1	181.4	180.6	182.8	181.9
52.5°	197.2	184.1	178.8	173.1	171.4	169.6	167.0	167.4	167.0	166.1	166.1
55°	174.9	166.5	161.3	156.9	156.5	154.7	152.5	151.6	151.2	150.3	151.6
57.5°	156.9	150.3	145.5	141.6	139.8	139.8	137.6	135.9	135.9	135.4	135.9
60°	138.9	132.4	129.3	125.3	124.0	123.6	122.3	121.4	120.1	120.1	120.1
62.5°	122.3	117.0	113.5	110.0	110.4	108.3	106.5	105.6	105.6	106.1	106.1
65°	106.5	103.0	98.6	95.5	94.7	94.2	93.4	92.9	91.6	92.5	92.5
67.5°	92.0	87.2	84.6	83.3	82.0	81.5	80.6	79.8	79.3	78.9	79.8
70°	77.6	73.6	71.4	70.6	69.2	68.8	68.4	67.1	67.5	67.9	68.4
72.5°	64.4	60.9	60.5	57.9	57.9	57.9	56.1	57.0	56.5	55.7	56.5
75°	50.8	49.1	48.2	46.9	47.3	46.9	46.5	45.1	45.1	45.6	46.0
77.5°	40.3	38.6	38.1	36.8	35.9	36.8	35.9	35.5	35.5	35.9	35.9
80°	29.8	28.9	27.6	27.6	27.6	27.2	27.2	27.2	26.7	26.3	26.7
82.5°	19.7	19.7	19.3	18.8	19.3	18.4	18.8	18.8	18.8	18.8	18.8
85°	12.7	12.3	12.3	11.8	11.8	11.8	12.3	11.4	11.4	11.8	11.8
87.5°	5.7	5.7	5.7	6.1	5.7	5.7	5.7	6.1	5.7	5.7	5.7
90°	44.4	43.8	43.3	42.7	42.4	42.5	42.8	43.1	43.4	43.7	43.4
92.5°	40.2	40.5	40.8	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2
95°	82.3	82.3	82.3	82.3	82.3	82.0	81.4	80.9	80.3	79.7	80.3
97.5°	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6
100°	177.5	177.5	177.5	177.5	177.5	177.4	177.1	176.8	176.5	176.2	176.5
102.5°	230.5	230.8	231.1	231.4	231.5	231.4	231.1	230.8	230.5	230.2	230.5
105°	283.5	284.1	284.6	285.2	285.5	285.5	285.5	285.5	285.5	285.5	285.5
107.5°	341.1	341.4	341.7	342.0	342.1	341.4	340.0	338.5	337.1	335.7	337.1
110°	400.0	400.0	400.0	400.0	400.0	399.6	398.7	397.8	397.0	396.1	397.0

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	459.5	458.7	457.8	456.9	456.5	456.2	455.7	455.1	454.6	454.0	454.6
115°	519.3	519.0	518.7	518.4	518.3	517.9	517.0	516.1	515.3	514.4	515.3
117.5°	577.9	577.0	576.2	575.3	574.9	574.5	573.6	572.7	571.9	571.0	571.9
120°	635.3	635.3	635.3	635.3	635.3	634.9	634.0	633.1	632.3	631.4	632.3
122.5°	696.2	695.3	694.5	693.6	693.2	692.9	692.3	691.8	691.2	690.6	691.2
125°	755.3	754.5	753.6	752.7	752.3	752.2	751.9	751.6	751.3	751.0	751.3
127.5°	812.9	811.8	810.6	809.5	808.9	808.5	807.6	806.8	805.9	805.1	805.9
130°	871.3	870.8	870.2	869.7	869.4	868.8	867.7	866.5	865.4	864.2	865.4
132.5°	929.7	928.3	926.8	925.4	924.7	924.3	923.4	922.5	921.7	920.8	921.7
135°	984.8	984.5	984.2	983.9	983.8	983.4	982.5	981.7	980.8	980.0	980.8
137.5°	1038.8	1038.5	1038.2	1037.9	1037.8	1037.2	1036.1	1035.0	1033.8	1032.7	1033.8
140°	1093.1	1093.1	1093.1	1093.1	1093.1	1092.5	1091.4	1090.3	1089.1	1088.0	1089.1
142.5°	1142.3	1142.6	1142.9	1143.2	1143.3	1142.7	1141.6	1140.4	1139.3	1138.1	1139.3
145°	1192.4	1192.7	1193.0	1193.3	1193.3	1192.8	1191.7	1190.6	1189.4	1188.3	1189.4
147.5°	1236.5	1237.0	1237.6	1238.1	1238.4	1237.8	1236.7	1235.6	1234.4	1233.3	1234.4
150°	1277.9	1278.7	1279.6	1280.5	1280.9	1280.5	1279.6	1278.7	1277.9	1277.0	1277.9
152.5°	1319.3	1320.5	1321.6	1322.7	1323.3	1322.7	1321.6	1320.5	1319.3	1318.2	1319.3
155°	1353.0	1354.4	1355.9	1357.3	1358.0	1357.6	1356.7	1355.9	1355.0	1354.2	1355.0
157.5°	1385.8	1387.8	1389.8	1391.8	1392.8	1392.1	1390.6	1389.2	1387.7	1386.3	1387.7
160°	1415.0	1416.8	1418.5	1420.2	1421.1	1420.5	1419.4	1418.2	1417.1	1415.9	1417.1
162.5°	1441.1	1443.1	1445.1	1447.1	1448.1	1447.4	1445.9	1444.5	1443.0	1441.6	1443.0
165°	1462.9	1464.9	1466.9	1468.9	1469.9	1469.2	1467.8	1466.3	1464.9	1463.5	1464.9
167.5°	1482.2	1484.2	1486.2	1488.2	1489.2	1488.5	1487.1	1485.6	1484.2	1482.8	1484.2
170°	1497.7	1499.7	1501.7	1503.7	1504.7	1503.8	1502.1	1500.4	1498.6	1496.9	1498.6
172.5°	1509.2	1511.2	1513.2	1515.2	1516.2	1515.3	1513.6	1511.9	1510.2	1508.5	1510.2
175°	1516.9	1518.9	1520.9	1522.9	1523.9	1523.0	1521.3	1519.6	1517.9	1516.2	1517.9
177.5°	1521.8	1523.5	1525.2	1526.9	1527.8	1526.9	1525.2	1523.5	1521.8	1520.1	1521.8
180°	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	604.4	601.3	598.7	599.1	601.3	599.5	595.2	589.5	587.3	584.6	587.3
5°	640.7	638.1	632.9	633.3	632.0	630.2	623.2	614.4	614.4	607.4	606.6
7.5°	676.7	672.7	669.2	668.4	663.5	660.0	653.9	641.6	636.8	628.5	623.7
10°	717.0	713.9	710.0	705.2	702.5	696.4	686.3	668.4	659.6	648.2	639.9
12.5°	757.8	757.3	748.6	738.9	738.5	728.8	721.8	697.7	685.9	670.5	650.8
15°	783.6	781.4	776.6	771.8	773.1	762.6	746.8	718.3	710.4	692.0	671.0
17.5°	783.2	783.2	781.9	781.0	779.7	776.6	767.8	749.0	736.3	713.1	693.3
20°	758.2	763.9	765.2	764.8	769.2	771.3	770.9	759.1	749.0	728.4	708.2
22.5°	708.2	721.4	727.1	730.6	739.8	744.6	756.0	751.6	749.0	733.7	716.6
25°	661.8	666.2	683.3	684.1	696.8	708.7	720.1	727.5	737.2	731.5	717.0
27.5°	601.7	611.8	624.1	633.3	635.9	660.0	678.9	692.9	714.8	716.6	711.7
30°	533.8	538.6	558.8	571.1	585.1	602.6	629.8	653.9	673.6	691.6	697.7
32.5°	451.0	470.7	482.5	497.4	509.7	540.8	574.1	605.2	628.0	658.3	671.4
35°	375.2	390.5	410.7	416.8	439.1	465.4	508.8	548.7	583.3	614.0	640.7
37.5°	312.5	324.8	346.2	355.9	369.0	402.8	439.1	488.7	530.3	568.0	601.3
40°	269.5	278.7	295.0	298.0	309.0	339.7	369.0	415.5	470.7	521.5	557.9
42.5°	240.2	244.6	255.5	259.5	266.5	287.1	313.4	357.2	408.5	461.1	512.3
45°	219.1	222.2	228.8	232.3	241.0	250.2	271.7	306.8	347.1	400.1	455.4
47.5°	200.3	204.2	206.9	209.1	213.9	224.0	238.0	263.8	302.4	351.1	404.5
50°	184.5	185.8	190.6	191.1	194.2	200.7	213.9	229.7	260.3	299.8	351.5
52.5°	168.7	170.0	173.1	176.2	177.5	182.8	191.5	204.7	227.5	258.6	304.6
55°	153.0	154.7	157.8	160.0	161.3	165.7	170.9	183.6	201.6	223.5	261.2
57.5°	137.2	141.1	142.0	143.3	145.5	150.3	155.1	162.6	176.6	196.8	224.4
60°	122.3	123.6	126.7	128.0	130.2	132.8	138.9	144.6	154.7	170.5	195.5
62.5°	106.9	110.0	111.3	112.6	114.4	117.5	121.4	127.5	136.3	149.0	168.7
65°	93.8	94.2	96.9	98.6	100.4	102.6	106.5	112.2	117.5	129.3	143.8
67.5°	81.1	82.0	82.8	84.6	86.8	89.0	92.5	95.5	102.1	110.0	121.4
70°	68.8	68.8	71.0	72.3	71.9	74.5	77.1	80.6	85.5	92.9	102.1
72.5°	57.9	57.4	59.2	59.6	60.5	62.2	64.0	67.5	70.1	75.8	82.8
75°	46.0	46.9	47.8	47.8	49.1	50.4	52.2	53.9	57.0	60.5	65.7
77.5°	36.4	36.4	37.3	37.7	39.0	38.6	40.3	42.1	44.3	47.3	51.3
80°	26.7	27.6	27.6	27.6	28.0	28.5	30.2	31.6	32.9	35.1	36.8
82.5°	18.8	18.8	19.7	19.7	19.7	20.6	20.6	21.0	21.9	23.2	24.5
85°	11.8	11.8	11.8	12.3	11.8	12.3	13.1	12.7	13.1	14.0	14.0
87.5°	5.7	5.7	5.7	5.7	5.7	6.1	5.7	6.1	6.6	6.6	6.6
90°	43.1	42.8	42.5	42.4	42.7	43.3	43.8	44.4	45.0	38.7	32.4
92.5°	41.2	41.2	41.2	41.2	41.1	40.8	40.5	40.2	39.9	39.6	39.3
95°	80.9	81.4	82.0	82.3	82.3	82.3	82.3	82.3	82.3	81.7	81.1
97.5°	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	127.5	126.3
100°	176.8	177.1	177.4	177.5	177.5	177.5	177.5	177.5	177.5	176.6	175.8
102.5°	230.8	231.1	231.4	231.5	231.4	231.1	230.8	230.5	230.2	229.1	227.9
105°	285.5	285.5	285.5	285.5	285.2	284.6	284.1	283.5	282.9	282.3	281.8
107.5°	338.5	340.0	341.4	342.1	342.0	341.7	341.4	341.1	340.8	340.8	340.8
110°	397.8	398.7	399.6	400.0	400.0	400.0	400.0	400.0	400.0	400.0	400.0

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	455.1	455.7	456.2	456.5	456.9	457.8	458.7	459.5	460.4	460.7	461.0
115°	516.1	517.0	517.9	518.3	518.4	518.7	519.0	519.3	519.6	520.2	520.7
117.5°	572.7	573.6	574.5	574.9	575.3	576.2	577.0	577.9	578.7	580.1	581.5
120°	633.1	634.0	634.9	635.3	635.3	635.3	635.3	635.3	635.3	637.6	639.9
122.5°	691.8	692.3	692.9	693.2	693.6	694.5	695.3	696.2	697.0	698.4	699.9
125°	751.6	751.9	752.2	752.3	752.7	753.6	754.5	755.3	756.2	757.0	757.9
127.5°	806.8	807.6	808.5	808.9	809.5	810.6	811.8	812.9	814.1	815.2	816.4
130°	866.5	867.7	868.8	869.4	869.7	870.2	870.8	871.3	871.9	872.5	873.1
132.5°	922.5	923.4	924.3	924.7	925.4	926.8	928.3	929.7	931.1	930.8	930.5
135°	981.7	982.5	983.4	983.8	983.9	984.2	984.5	984.8	985.1	984.5	983.9
137.5°	1035.0	1036.1	1037.2	1037.8	1037.9	1038.2	1038.5	1038.8	1039.1	1038.5	1037.9
140°	1090.3	1091.4	1092.5	1093.1	1093.1	1093.1	1093.1	1093.1	1093.1	1091.7	1090.3
142.5°	1140.4	1141.6	1142.7	1143.3	1143.2	1142.9	1142.6	1142.3	1142.0	1141.1	1140.3
145°	1190.6	1191.7	1192.8	1193.4	1193.3	1193.0	1192.7	1192.4	1192.1	1190.4	1188.7
147.5°	1235.6	1236.7	1237.8	1238.4	1238.1	1237.6	1237.0	1236.5	1235.9	1234.7	1233.6
150°	1278.7	1279.6	1280.5	1280.9	1280.5	1279.6	1278.7	1277.9	1277.0	1275.9	1274.7
152.5°	1320.5	1321.6	1322.7	1323.3	1322.7	1321.6	1320.5	1319.3	1318.2	1316.8	1315.4
155°	1355.9	1356.7	1357.6	1358.0	1357.3	1355.9	1354.4	1353.0	1351.6	1350.8	1349.9
157.5°	1389.2	1390.6	1392.1	1392.8	1391.8	1389.8	1387.8	1385.8	1383.8	1383.2	1382.6
160°	1418.2	1419.4	1420.5	1421.1	1420.2	1418.5	1416.8	1415.0	1413.3	1413.0	1412.8
162.5°	1444.5	1445.9	1447.4	1448.1	1447.1	1445.1	1443.1	1441.1	1439.1	1438.8	1438.5
165°	1466.3	1467.8	1469.2	1469.9	1468.9	1466.9	1464.9	1462.9	1460.9	1460.9	1460.9
167.5°	1485.6	1487.1	1488.5	1489.2	1488.2	1486.2	1484.2	1482.2	1480.2	1480.2	1480.2
170°	1500.4	1502.1	1503.8	1504.7	1503.7	1501.7	1499.7	1497.7	1495.7	1496.0	1496.2
172.5°	1511.9	1513.6	1515.3	1516.2	1515.2	1513.2	1511.2	1509.2	1507.2	1507.5	1507.8
175°	1519.6	1521.3	1523.0	1523.9	1522.9	1520.9	1518.9	1516.9	1514.9	1515.5	1516.1
177.5°	1523.5	1525.2	1526.9	1527.8	1526.9	1525.2	1523.5	1521.8	1520.1	1520.7	1521.3
180°	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	585.1	582.9	581.6	582.5	579.8	573.3	573.3	575.4	572.8	570.2	566.2
5°	601.3	596.9	594.3	593.9	587.7	577.2	575.0	572.8	567.1	561.0	554.4
7.5°	617.1	609.2	604.8	601.7	593.0	579.4	573.7	568.9	559.7	550.5	542.1
10°	630.2	618.8	613.6	608.8	597.4	580.3	571.1	562.3	550.5	538.6	528.1
12.5°	640.7	627.6	621.0	614.0	600.0	577.6	566.2	552.2	540.4	524.6	514.1
15°	658.3	631.1	625.0	618.4	603.9	573.3	559.2	543.4	527.2	506.2	494.8
17.5°	672.3	635.9	635.5	621.5	602.6	571.5	550.0	529.4	511.9	490.9	472.9
20°	680.6	643.4	636.4	621.9	598.2	559.7	537.3	514.5	495.7	470.3	452.3
22.5°	687.6	653.9	635.5	618.0	589.0	555.7	522.9	501.4	475.5	447.9	430.8
25°	690.3	656.1	636.8	616.6	582.5	544.3	507.1	483.8	454.9	429.9	406.7
27.5°	690.7	655.6	632.0	610.9	573.3	529.4	491.3	466.8	434.8	405.8	382.6
30°	686.3	650.8	629.4	606.6	564.5	515.8	472.0	444.8	410.7	381.7	357.6
32.5°	673.2	641.2	623.7	598.7	553.1	497.0	453.6	423.4	387.4	358.9	335.7
35°	651.3	629.4	610.1	586.8	538.2	479.5	435.2	399.7	363.3	336.2	314.2
37.5°	624.1	612.3	594.3	571.5	521.1	463.7	414.6	375.2	338.8	312.5	291.0
40°	587.3	590.3	572.8	552.2	500.9	442.2	387.9	350.2	316.0	291.4	270.4
42.5°	547.4	560.1	550.0	530.3	478.6	418.5	368.1	326.5	293.2	267.8	250.2
45°	504.4	526.4	520.2	505.8	455.4	393.6	340.1	299.8	270.4	245.9	230.5
47.5°	457.5	488.7	488.7	478.1	429.5	368.6	316.0	274.8	245.9	228.3	213.4
50°	409.8	444.8	450.5	443.5	400.6	340.1	286.6	249.4	224.4	207.3	196.3
52.5°	359.8	400.6	411.1	407.6	369.9	312.9	262.5	226.1	203.4	188.5	178.8
55°	312.0	359.4	370.8	372.1	337.0	283.1	235.8	203.8	181.9	171.8	163.5
57.5°	266.9	312.5	325.2	327.4	303.7	255.9	210.8	182.8	163.0	154.7	148.1
60°	228.3	266.5	283.1	287.9	267.3	224.4	187.6	160.4	145.5	137.6	131.5
62.5°	196.8	227.5	245.0	246.3	237.1	196.8	163.5	140.7	128.0	121.0	117.9
65°	166.1	193.7	204.2	209.5	202.0	170.5	141.1	122.3	112.2	106.1	103.0
67.5°	141.6	159.1	167.9	174.9	167.4	143.8	120.1	104.7	97.3	91.2	89.4
70°	116.1	130.6	137.2	144.2	137.6	119.6	102.6	88.5	82.0	77.1	74.9
72.5°	92.9	104.3	110.4	114.8	110.9	96.0	82.0	72.3	67.5	64.0	62.7
75°	73.6	81.5	85.0	88.1	86.3	74.9	66.2	58.3	53.9	50.8	50.0
77.5°	56.1	61.8	65.7	66.6	64.4	57.0	49.5	44.7	41.2	39.4	38.6
80°	39.9	43.4	45.6	46.9	44.7	41.6	36.4	32.9	29.8	27.6	27.2
82.5°	26.7	28.5	30.2	29.8	28.9	26.3	23.2	21.5	20.2	18.4	18.4
85°	15.3	15.8	16.7	17.1	16.7	14.9	13.1	12.3	11.4	10.1	10.1
87.5°	6.6	7.0	7.0	7.5	6.6	6.6	5.7	4.8	4.8	4.4	3.9
90°	26.1	19.8	16.7	15.0	11.6	8.1	4.7	1.3	4.7	8.1	11.6
92.5°	39.0	38.7	38.6	37.5	35.2	32.9	30.6	28.3	30.6	32.9	35.2
95°	80.6	80.0	79.7	78.3	75.4	72.6	69.7	66.9	69.7	72.6	75.4
97.5°	125.2	124.1	123.5	122.2	119.6	117.1	114.5	111.9	114.5	117.1	119.6
100°	174.9	174.0	173.6	172.5	170.2	167.9	165.6	163.3	165.6	167.9	170.2
102.5°	226.8	225.7	225.1	224.2	222.5	220.8	219.0	217.3	219.0	220.8	222.5
105°	281.2	280.7	280.4	280.0	279.1	278.2	277.4	276.5	277.4	278.2	279.1
107.5°	340.8	340.8	340.8	340.2	339.1	338.0	336.8	335.7	336.8	338.0	339.1
110°	400.0	400.0	400.0	399.1	397.4	395.7	393.9	392.2	393.9	395.7	397.4

TEST NUMBER: P1029301

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	461.3	461.6	461.7	460.8	459.1	457.4	455.7	454.0	455.7	457.4	459.1
115°	521.3	521.8	522.1	521.2	519.5	517.8	516.1	514.4	516.1	517.8	519.5
117.5°	583.0	584.4	585.1	584.0	581.7	579.4	577.2	574.9	577.2	579.4	581.7
120°	642.2	644.5	645.6	644.5	642.2	639.9	637.6	635.3	637.6	639.9	642.2
122.5°	701.3	702.8	703.5	702.1	699.2	696.3	693.5	690.6	693.5	696.3	699.2
125°	758.7	759.6	760.0	758.7	756.2	753.6	751.1	748.5	751.1	753.6	756.2
127.5°	817.5	818.6	819.2	817.6	814.5	811.4	808.2	805.1	808.2	811.4	814.5
130°	873.6	874.2	874.5	872.6	868.9	865.2	861.5	857.8	861.5	865.2	868.9
132.5°	930.2	929.9	929.8	928.4	925.5	922.6	919.8	916.9	919.8	922.6	925.5
135°	983.4	982.8	982.5	980.9	977.8	974.7	971.5	968.4	971.5	974.7	977.8
137.5°	1037.4	1036.8	1036.5	1035.2	1032.7	1030.1	1027.6	1025.0	1027.6	1030.1	1032.7
140°	1088.8	1087.4	1086.7	1085.4	1082.8	1080.3	1077.7	1075.1	1077.7	1080.3	1082.8
142.5°	1139.4	1138.5	1138.1	1136.8	1134.3	1131.7	1129.2	1126.6	1129.2	1131.7	1134.3
145°	1187.0	1185.3	1184.4	1183.4	1181.4	1179.4	1177.4	1175.4	1177.4	1179.4	1181.4
147.5°	1232.4	1231.3	1230.7	1229.4	1226.9	1224.3	1221.8	1219.2	1221.8	1224.3	1226.9
150°	1273.6	1272.5	1271.9	1271.0	1269.3	1267.6	1265.9	1264.2	1265.9	1267.6	1269.3
152.5°	1313.9	1312.5	1311.8	1310.9	1309.2	1307.5	1305.7	1304.0	1305.7	1307.5	1309.2
155°	1349.1	1348.2	1347.8	1347.4	1346.5	1345.6	1344.8	1343.9	1344.8	1345.6	1346.5
157.5°	1382.1	1381.5	1381.2	1380.9	1380.3	1379.8	1379.2	1378.6	1379.2	1379.8	1380.3
160°	1412.5	1412.2	1412.1	1411.8	1411.2	1410.7	1410.1	1409.5	1410.1	1410.7	1411.2
162.5°	1438.2	1437.9	1437.8	1437.8	1437.8	1437.8	1437.8	1437.8	1437.8	1437.8	1437.8
165°	1460.9	1460.9	1460.9	1461.0	1461.3	1461.6	1461.9	1462.2	1461.9	1461.6	1461.3
167.5°	1480.2	1480.2	1480.2	1480.6	1481.5	1482.4	1483.2	1484.1	1483.2	1482.4	1481.5
170°	1496.5	1496.8	1496.9	1497.3	1498.2	1499.1	1499.9	1500.8	1499.9	1499.1	1498.2
172.5°	1508.1	1508.4	1508.5	1508.9	1509.8	1510.7	1511.5	1512.4	1511.5	1510.7	1509.8
175°	1516.6	1517.2	1517.5	1517.9	1518.8	1519.7	1520.5	1521.4	1520.5	1519.7	1518.8
177.5°	1521.8	1522.4	1522.7	1523.1	1524.0	1524.8	1525.7	1526.5	1525.7	1524.8	1524.0
180°	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9

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CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	564.0	566.2	565.8	561.4	556.6	552.7	545.2	546.1	543.4	543.9	546.5
5°	550.0	550.0	548.3	542.1	534.2	529.9	521.5	519.3	514.1	513.6	513.2
7.5°	535.1	532.9	530.7	522.0	512.3	505.3	493.9	491.3	486.0	482.5	480.8
10°	517.6	514.5	510.1	500.1	488.2	479.5	467.6	464.1	454.0	449.7	447.0
12.5°	498.3	496.6	489.5	481.2	461.9	452.3	435.2	438.7	428.6	419.9	418.5
15°	479.0	472.5	468.5	454.9	431.7	427.3	413.7	406.7	397.5	390.5	390.5
17.5°	460.2	450.1	441.3	426.9	409.8	397.5	387.4	383.9	372.5	365.5	364.2
20°	435.2	423.8	421.6	401.0	389.2	375.6	366.0	357.2	348.9	345.8	343.6
22.5°	411.5	398.4	394.9	377.3	365.5	351.9	342.3	336.2	330.0	327.8	323.9
25°	386.1	378.2	373.0	354.1	341.0	328.3	321.7	317.3	311.6	311.2	308.5
27.5°	361.6	354.1	348.9	330.9	321.2	309.4	304.2	299.3	296.3	295.0	293.6
30°	340.5	332.2	326.1	312.9	301.1	291.4	287.1	284.0	282.2	280.1	279.6
32.5°	317.3	312.5	304.2	294.1	284.9	275.7	273.0	270.8	268.2	267.3	266.9
35°	297.6	291.0	285.7	274.4	270.4	262.5	259.5	257.7	254.2	253.3	252.4
37.5°	278.3	272.2	266.5	259.5	252.0	247.6	245.9	243.2	241.5	241.9	241.0
40°	259.0	254.2	249.8	242.4	238.0	235.8	232.3	229.7	228.8	229.2	228.8
42.5°	240.2	235.8	233.2	227.5	223.1	220.9	218.7	216.1	217.4	217.4	218.7
45°	223.1	219.1	217.4	213.0	210.4	206.9	204.7	204.2	206.0	205.5	205.5
47.5°	205.5	204.2	202.0	198.1	194.6	192.4	192.0	192.0	193.7	194.6	194.2
50°	192.0	189.3	186.7	183.6	181.0	180.1	178.8	179.7	181.4	181.4	182.3
52.5°	174.9	173.1	172.2	169.6	167.9	167.9	167.9	168.3	169.6	170.9	170.5
55°	160.0	158.7	157.8	156.5	154.3	154.7	154.3	155.1	156.5	157.8	158.7
57.5°	144.2	143.8	142.9	140.7	140.7	140.2	141.6	142.0	144.2	145.1	146.4
60°	130.2	128.9	128.9	127.1	127.1	127.1	128.4	129.7	131.5	131.9	132.8
62.5°	115.3	115.3	114.8	113.5	113.5	114.8	115.3	117.0	117.9	117.9	119.2
65°	101.2	100.8	100.4	100.8	101.2	101.2	102.6	103.4	104.3	104.7	105.2
67.5°	87.2	86.8	87.7	87.2	88.1	89.8	89.4	90.7	92.0	92.0	92.5
70°	74.1	74.9	74.5	75.4	74.9	75.8	77.1	77.6	77.6	78.0	79.3
72.5°	61.8	61.8	61.8	61.4	61.8	62.7	63.5	64.0	64.9	65.3	66.6
75°	50.0	50.0	49.1	50.0	50.0	50.8	51.7	51.7	51.7	52.6	53.9
77.5°	37.7	38.1	37.7	38.6	38.6	39.0	39.9	39.4	40.3	40.8	41.2
80°	27.6	27.2	27.2	27.2	27.6	27.6	28.5	28.9	28.9	30.2	29.4
82.5°	17.5	18.0	17.5	18.0	18.0	18.4	18.0	18.4	18.8	19.7	19.3
85°	10.1	9.6	9.6	10.1	9.6	9.6	10.1	9.6	10.1	9.6	10.1
87.5°	3.9	3.5	3.5	3.5	3.5	3.1	3.1	2.6	2.6	2.6	2.2
90°	15.0	16.7	19.8	26.1	32.4	38.7	45.0	44.4	43.8	43.3	42.7
92.5°	37.5	38.6	38.7	39.0	39.3	39.6	39.9	40.2	40.5	40.8	41.1
95°	78.3	79.7	80.0	80.6	81.1	81.7	82.3	82.3	82.3	82.3	82.3
97.5°	122.2	123.5	124.1	125.2	126.3	127.5	128.6	128.6	128.6	128.6	128.6
100°	172.5	173.6	174.0	174.9	175.8	176.6	177.5	177.5	177.5	177.5	177.5
102.5°	224.2	225.1	225.7	226.8	227.9	229.1	230.2	230.5	230.8	231.1	231.4
105°	280.0	280.4	280.7	281.2	281.8	282.3	282.9	283.5	284.1	284.6	285.2
107.5°	340.2	340.8	340.8	340.8	340.8	340.8	340.8	341.1	341.4	341.7	342.0
110°	399.1	400.0	400.0	400.0	400.0	400.0	400.0	400.0	400.0	400.0	400.0

TEST NUMBER: P1029301

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	460.8	461.7	461.6	461.3	461.0	460.7	460.4	459.5	458.7	457.8	456.9
115°	521.2	522.1	521.8	521.3	520.7	520.2	519.6	519.3	519.0	518.7	518.4
117.5°	584.0	585.1	584.4	583.0	581.5	580.1	578.7	577.9	577.0	576.2	575.3
120°	644.5	645.6	644.5	642.2	639.9	637.6	635.3	635.3	635.3	635.3	635.3
122.5°	702.1	703.5	702.8	701.3	699.9	698.4	697.0	696.2	695.3	694.5	693.6
125°	758.7	760.0	759.6	758.7	757.9	757.0	756.2	755.3	754.5	753.6	752.7
127.5°	817.6	819.2	818.6	817.5	816.4	815.2	814.1	812.9	811.8	810.6	809.5
130°	872.6	874.5	874.2	873.6	873.1	872.5	871.9	871.3	870.8	870.2	869.7
132.5°	928.4	929.8	929.9	930.2	930.5	930.8	931.1	929.7	928.3	926.8	925.4
135°	980.9	982.5	982.8	983.4	983.9	984.5	985.1	984.8	984.5	984.2	983.9
137.5°	1035.2	1036.5	1036.8	1037.4	1037.9	1038.5	1039.1	1038.8	1038.5	1038.2	1037.9
140°	1085.4	1086.7	1087.4	1088.8	1090.3	1091.7	1093.1	1093.1	1093.1	1093.1	1093.1
142.5°	1136.8	1138.1	1138.5	1139.4	1140.3	1141.1	1142.0	1142.3	1142.6	1142.9	1143.2
145°	1183.4	1184.4	1185.3	1187.0	1188.7	1190.4	1192.1	1192.4	1192.7	1193.0	1193.3
147.5°	1229.4	1230.7	1231.3	1232.4	1233.6	1234.7	1235.9	1236.5	1237.0	1237.6	1238.1
150°	1271.0	1271.9	1272.5	1273.6	1274.7	1275.9	1277.0	1277.9	1278.7	1279.6	1280.5
152.5°	1310.9	1311.8	1312.5	1313.9	1315.4	1316.8	1318.2	1319.3	1320.5	1321.6	1322.7
155°	1347.4	1347.8	1348.2	1349.1	1349.9	1350.8	1351.6	1353.0	1354.4	1355.9	1357.3
157.5°	1380.9	1381.2	1381.5	1382.1	1382.6	1383.2	1383.8	1385.8	1387.8	1389.8	1391.8
160°	1411.8	1412.1	1412.2	1412.5	1412.8	1413.0	1413.3	1415.0	1416.8	1418.5	1420.2
162.5°	1437.8	1437.8	1437.9	1438.2	1438.5	1438.8	1439.1	1441.1	1443.1	1445.1	1447.1
165°	1461.0	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9	1462.9	1464.9	1466.9	1468.9
167.5°	1480.6	1480.2	1480.2	1480.2	1480.2	1480.2	1480.2	1482.2	1484.2	1486.2	1488.2
170°	1497.3	1496.9	1496.8	1496.5	1496.2	1496.0	1495.7	1497.7	1499.7	1501.7	1503.7
172.5°	1508.9	1508.5	1508.4	1508.1	1507.8	1507.5	1507.2	1509.2	1511.2	1513.2	1515.2
175°	1517.9	1517.5	1517.2	1516.6	1516.1	1515.5	1514.9	1516.9	1518.9	1520.9	1522.9
177.5°	1523.1	1522.7	1522.4	1521.8	1521.3	1520.7	1520.1	1521.8	1523.5	1525.2	1526.9
180°	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	543.4	544.8	541.7	540.8	541.7	538.6	539.5	540.4	540.4	541.7	542.6
5°	511.9	510.1	507.1	506.2	505.3	506.6	505.8	507.1	507.5	510.6	511.0
7.5°	480.8	478.1	475.5	472.9	472.0	469.8	472.0	472.0	475.1	474.2	476.4
10°	444.0	443.5	440.0	438.7	437.0	433.4	438.3	437.0	439.1	443.1	444.0
12.5°	416.8	412.0	414.2	408.0	410.2	406.7	407.1	407.1	410.7	411.1	410.2
15°	390.9	387.0	381.3	378.7	377.3	375.6	381.3	381.7	379.1	385.2	383.0
17.5°	364.6	364.6	359.4	358.1	354.6	356.3	355.4	355.9	355.0	359.4	361.6
20°	341.8	339.7	337.9	338.3	334.0	333.1	332.2	333.1	336.2	339.2	340.1
22.5°	323.4	322.1	317.7	318.6	315.1	316.4	315.6	317.7	318.2	318.2	321.2
25°	305.9	304.2	304.6	302.8	301.5	301.5	300.2	301.5	303.3	304.2	304.6
27.5°	292.8	291.4	289.3	287.9	288.8	286.6	288.4	289.7	289.7	288.8	289.7
30°	277.0	277.9	277.9	273.5	275.2	274.4	275.7	276.5	276.5	277.0	276.1
32.5°	266.5	263.8	263.4	263.0	263.0	261.2	261.2	262.5	263.0	263.4	264.7
35°	252.4	252.4	250.2	251.6	249.8	250.2	249.8	250.2	251.1	249.8	251.1
37.5°	239.7	240.2	239.3	240.2	240.6	239.7	238.9	240.6	239.7	239.7	238.9
40°	228.8	228.3	228.8	228.8	228.8	229.2	228.3	228.3	228.3	227.5	226.6
42.5°	219.6	216.9	217.8	218.3	216.9	216.9	217.4	216.9	218.3	215.6	215.6
45°	206.4	205.5	206.0	206.0	206.9	205.5	206.4	206.9	205.5	205.1	204.2
47.5°	194.6	195.5	194.6	195.5	195.5	196.3	194.6	195.0	195.5	193.7	192.4
50°	182.8	182.8	184.1	183.6	184.1	183.2	183.2	182.8	183.2	182.3	181.0
52.5°	171.8	170.5	172.7	172.2	171.8	171.4	170.9	171.4	170.5	169.6	169.6
55°	158.2	158.2	159.5	160.0	160.0	159.1	158.2	158.7	158.2	157.8	157.3
57.5°	147.3	145.5	146.4	146.8	146.8	145.5	146.4	145.5	145.5	145.9	144.6
60°	133.2	133.2	132.4	133.7	133.7	132.8	132.8	133.2	132.4	131.9	131.5
62.5°	118.3	118.8	120.1	120.5	121.0	120.1	119.2	119.6	119.6	118.3	118.8
65°	105.6	106.5	108.3	107.8	106.9	107.4	106.5	106.9	105.6	106.1	104.7
67.5°	93.4	92.9	93.4	93.4	94.2	93.8	92.9	92.9	92.5	93.8	92.5
70°	80.2	80.2	80.2	80.2	80.6	81.1	80.2	79.3	79.8	78.9	78.4
72.5°	66.6	67.1	66.6	67.5	66.2	67.1	67.1	66.6	66.2	66.2	66.2
75°	53.9	54.8	53.5	53.9	53.5	54.3	53.9	53.9	53.0	52.6	53.0
77.5°	41.2	41.6	40.8	41.2	40.8	41.2	41.2	40.8	40.8	40.8	40.8
80°	29.4	29.8	29.4	28.9	28.5	29.4	28.5	28.9	29.4	28.9	29.8
82.5°	18.8	18.8	18.4	18.8	18.0	18.0	18.4	18.4	18.0	18.8	18.0
85°	9.2	9.2	10.1	9.2	8.8	8.8	8.8	9.2	8.8	9.6	9.2
87.5°	2.2	1.8	2.2	2.2	1.8	1.8	2.2	1.8	2.2	2.6	1.8
90°	42.4	42.5	42.8	43.1	43.4	43.7	43.4	43.1	42.8	42.5	42.4
92.5°	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
95°	82.3	82.0	81.4	80.9	80.3	79.7	80.3	80.9	81.4	82.0	82.3
97.5°	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6
100°	177.5	177.4	177.1	176.8	176.5	176.2	176.5	176.8	177.1	177.4	177.5
102.5°	231.5	231.4	231.1	230.8	230.5	230.2	230.5	230.8	231.1	231.4	231.5
105°	285.5	285.5	285.5	285.5	285.5	285.5	285.5	285.5	285.5	285.5	285.5
107.5°	342.1	341.4	340.0	338.5	337.1	335.7	337.1	338.5	340.0	341.4	342.1
110°	400.0	399.6	398.7	397.8	397.0	396.1	397.0	397.8	398.7	399.6	400.0

TEST NUMBER: P1029301

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	456.5	456.2	455.7	455.1	454.6	454.0	454.6	455.1	455.7	456.2	456.5
115°	518.3	517.9	517.0	516.1	515.3	514.4	515.3	516.1	517.0	517.9	518.3
117.5°	574.9	574.5	573.6	572.7	571.9	571.0	571.9	572.7	573.6	574.5	574.9
120°	635.3	634.9	634.0	633.1	632.3	631.4	632.3	633.1	634.0	634.9	635.3
122.5°	693.2	692.9	692.3	691.8	691.2	690.6	691.2	691.8	692.3	692.9	693.2
125°	752.3	752.2	751.9	751.6	751.3	751.0	751.3	751.6	751.9	752.2	752.3
127.5°	808.9	808.5	807.6	806.8	805.9	805.1	805.9	806.8	807.6	808.5	808.9
130°	869.4	868.8	867.7	866.5	865.4	864.2	865.4	866.5	867.7	868.8	869.4
132.5°	924.7	924.3	923.4	922.5	921.7	920.8	921.7	922.5	923.4	924.3	924.7
135°	983.8	983.4	982.5	981.7	980.8	980.0	980.8	981.7	982.5	983.4	983.8
137.5°	1037.8	1037.2	1036.1	1035.0	1033.8	1032.7	1033.8	1035.0	1036.1	1037.2	1037.8
140°	1093.1	1092.5	1091.4	1090.3	1089.1	1088.0	1089.1	1090.3	1091.4	1092.5	1093.1
142.5°	1143.3	1142.7	1141.6	1140.4	1139.3	1138.1	1139.3	1140.4	1141.6	1142.7	1143.3
145°	1193.4	1192.8	1191.7	1190.6	1189.4	1188.3	1189.4	1190.6	1191.7	1192.8	1193.4
147.5°	1238.4	1237.8	1236.7	1235.6	1234.4	1233.3	1234.4	1235.6	1236.7	1237.8	1238.4
150°	1280.9	1280.5	1279.6	1278.7	1277.9	1277.0	1277.9	1278.7	1279.6	1280.5	1280.9
152.5°	1323.3	1322.7	1321.6	1320.5	1319.3	1318.2	1319.3	1320.5	1321.6	1322.7	1323.3
155°	1358.0	1357.6	1356.7	1355.9	1355.0	1354.2	1355.0	1355.9	1356.7	1357.6	1358.0
157.5°	1392.8	1392.1	1390.6	1389.2	1387.7	1386.3	1387.7	1389.2	1390.6	1392.1	1392.8
160°	1421.1	1420.5	1419.4	1418.2	1417.1	1415.9	1417.1	1418.2	1419.4	1420.5	1421.1
162.5°	1448.1	1447.4	1445.9	1444.5	1443.0	1441.6	1443.0	1444.5	1445.9	1447.4	1448.1
165°	1469.9	1469.2	1467.8	1466.3	1464.9	1463.5	1464.9	1466.3	1467.8	1469.2	1469.9
167.5°	1489.2	1488.5	1487.1	1485.6	1484.2	1482.8	1484.2	1485.6	1487.1	1488.5	1489.2
170°	1504.7	1503.8	1502.1	1500.4	1498.6	1496.9	1498.6	1500.4	1502.1	1503.8	1504.7
172.5°	1516.2	1515.3	1513.6	1511.9	1510.2	1508.5	1510.2	1511.9	1513.6	1515.3	1516.2
175°	1523.9	1523.0	1521.3	1519.6	1517.9	1516.2	1517.9	1519.6	1521.3	1523.0	1523.9
177.5°	1527.8	1526.9	1525.2	1523.5	1521.8	1520.1	1521.8	1523.5	1525.2	1526.9	1527.8
180°	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9

TEST NUMBER: P1029301

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	541.3	544.8	543.4	538.6	544.3	544.3	548.3	548.3	553.1	554.8	557.5
5°	510.6	513.2	515.4	513.2	517.2	523.3	526.8	529.9	536.4	539.1	543.0
7.5°	477.7	482.5	484.7	484.7	491.3	498.3	505.3	509.7	518.9	522.4	526.4
10°	445.7	451.4	455.8	455.4	466.3	470.7	479.5	489.5	498.7	504.0	509.7
12.5°	412.0	415.0	421.2	429.9	432.6	440.5	450.5	463.2	479.9	484.7	493.0
15°	383.9	392.2	397.1	401.0	407.1	414.6	425.6	437.8	454.5	465.0	473.8
17.5°	360.3	371.2	374.3	373.4	381.3	392.7	405.4	414.6	429.5	442.2	450.5
20°	341.0	345.4	350.6	352.8	358.9	371.2	383.5	394.0	406.3	416.4	426.0
22.5°	321.7	325.2	329.6	333.5	338.3	345.4	357.2	370.3	382.2	391.8	402.8
25°	305.9	308.1	312.0	315.1	320.4	325.2	333.5	348.0	362.0	367.7	377.3
27.5°	290.6	292.3	295.0	298.5	301.1	305.9	313.4	325.2	339.7	345.4	358.5
30°	277.0	278.3	280.9	282.7	284.0	289.7	295.4	304.6	315.6	323.4	333.1
32.5°	264.3	265.6	268.2	268.7	270.4	273.5	278.7	287.1	296.7	303.3	311.6
35°	250.2	251.1	253.8	254.6	255.9	258.6	262.5	268.7	277.4	282.2	289.7
37.5°	239.3	238.9	240.6	241.9	243.7	245.0	246.3	252.4	259.0	263.4	269.1
40°	227.5	226.6	227.0	228.8	229.7	231.4	231.4	237.5	241.9	245.4	249.8
42.5°	215.6	215.2	214.3	215.2	216.1	216.5	216.9	221.3	225.7	228.8	233.6
45°	203.8	203.4	202.5	202.9	202.9	203.8	205.1	206.9	209.9	212.6	215.2
47.5°	192.8	192.0	190.6	190.2	191.1	191.1	191.1	192.8	195.9	196.8	199.4
50°	181.4	180.1	178.4	177.5	177.5	177.1	177.9	178.4	181.0	181.9	184.1
52.5°	169.2	168.3	166.5	164.8	165.2	164.3	164.8	165.2	166.1	167.4	168.7
55°	156.9	155.1	153.8	153.4	152.1	152.1	150.8	152.5	152.1	152.5	154.3
57.5°	145.1	143.3	141.1	140.2	138.9	138.5	137.6	137.2	137.6	138.9	140.2
60°	131.0	130.2	128.9	127.5	126.7	125.3	124.5	124.5	124.0	124.0	124.5
62.5°	117.5	117.0	115.3	114.8	113.9	113.1	111.8	110.9	110.9	111.8	112.2
65°	104.3	103.9	102.6	102.1	99.9	99.0	98.6	98.2	97.3	97.3	97.3
67.5°	92.0	90.7	90.7	88.5	86.8	85.9	85.0	84.6	84.6	84.6	85.0
70°	78.4	78.4	77.1	75.8	74.1	74.5	73.2	71.9	71.9	71.0	71.4
72.5°	65.3	64.9	63.5	63.1	61.8	60.5	59.6	60.5	59.2	58.7	59.2
75°	52.6	52.2	51.3	50.4	50.8	49.5	48.2	47.8	47.8	46.9	46.9
77.5°	40.3	41.2	39.4	39.0	38.1	37.3	36.8	36.4	36.4	36.4	37.3
80°	28.0	28.5	28.5	27.6	28.0	26.7	26.7	26.7	25.4	25.9	26.3
82.5°	18.0	18.0	17.5	18.0	17.5	17.5	17.1	17.1	16.7	16.7	17.1
85°	10.1	9.6	9.2	10.1	9.6	9.6	9.2	9.2	9.2	9.2	9.2
87.5°	2.2	2.6	2.6	2.6	2.6	3.1	3.1	3.1	3.5	3.5	3.5
90°	42.7	43.3	43.8	44.4	45.0	38.7	32.4	26.1	19.8	16.7	15.0
92.5°	41.1	40.8	40.5	40.2	39.9	39.6	39.3	39.0	38.7	38.6	37.5
95°	82.3	82.3	82.3	82.3	82.3	81.7	81.1	80.6	80.0	79.7	78.3
97.5°	128.6	128.6	128.6	128.6	128.6	127.5	126.3	125.2	124.1	123.5	122.2
100°	177.5	177.5	177.5	177.5	177.5	176.6	175.8	174.9	174.0	173.6	172.5
102.5°	231.4	231.1	230.8	230.5	230.2	229.1	227.9	226.8	225.7	225.1	224.2
105°	285.2	284.6	284.1	283.5	282.9	282.3	281.8	281.2	280.7	280.4	280.0
107.5°	342.0	341.7	341.4	341.1	340.8	340.8	340.8	340.8	340.8	340.8	340.2
110°	400.0	400.0	400.0	400.0	400.0	400.0	400.0	400.0	400.0	400.0	399.1

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CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	456.9	457.8	458.7	459.5	460.4	460.7	461.0	461.3	461.6	461.7	460.8
115°	518.4	518.7	519.0	519.3	519.6	520.2	520.7	521.3	521.8	522.1	521.2
117.5°	575.3	576.2	577.0	577.9	578.7	580.1	581.5	583.0	584.4	585.1	584.0
120°	635.3	635.3	635.3	635.3	635.3	637.6	639.9	642.2	644.5	645.6	644.5
122.5°	693.6	694.5	695.3	696.2	697.0	698.4	699.9	701.3	702.8	703.5	702.1
125°	752.7	753.6	754.5	755.3	756.2	757.0	757.9	758.7	759.6	760.0	758.7
127.5°	809.5	810.6	811.8	812.9	814.1	815.2	816.4	817.5	818.6	819.2	817.6
130°	869.7	870.2	870.8	871.3	871.9	872.5	873.1	873.6	874.2	874.5	872.6
132.5°	925.4	926.8	928.3	929.7	931.1	930.8	930.5	930.2	929.9	929.8	928.4
135°	983.9	984.2	984.5	984.8	985.1	984.5	983.9	983.4	982.8	982.5	980.9
137.5°	1037.9	1038.2	1038.5	1038.8	1039.1	1038.5	1037.9	1037.4	1036.8	1036.5	1035.2
140°	1093.1	1093.1	1093.1	1093.1	1093.1	1091.7	1090.3	1088.8	1087.4	1086.7	1085.4
142.5°	1143.2	1142.9	1142.6	1142.3	1142.0	1141.1	1140.3	1139.4	1138.5	1138.1	1136.8
145°	1193.3	1193.0	1192.7	1192.4	1192.1	1190.4	1188.7	1187.0	1185.3	1184.4	1183.4
147.5°	1238.1	1237.6	1237.0	1236.5	1235.9	1234.7	1233.6	1232.4	1231.3	1230.7	1229.4
150°	1280.5	1279.6	1278.7	1277.9	1277.0	1275.9	1274.7	1273.6	1272.5	1271.9	1271.0
152.5°	1322.7	1321.6	1320.5	1319.3	1318.2	1316.8	1315.4	1313.9	1312.5	1311.8	1310.9
155°	1357.3	1355.9	1354.4	1353.0	1351.6	1350.8	1349.9	1349.1	1348.2	1347.8	1347.4
157.5°	1391.8	1389.8	1387.8	1385.8	1383.8	1383.2	1382.6	1382.1	1381.5	1381.2	1380.9
160°	1420.2	1418.5	1416.8	1415.0	1413.3	1413.0	1412.8	1412.5	1412.2	1412.1	1411.8
162.5°	1447.1	1445.1	1443.1	1441.1	1439.1	1438.8	1438.5	1438.2	1437.9	1437.8	1437.8
165°	1468.9	1466.9	1464.9	1462.9	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9	1461.0
167.5°	1488.2	1486.2	1484.2	1482.2	1480.2	1480.2	1480.2	1480.2	1480.2	1480.2	1480.6
170°	1503.7	1501.7	1499.7	1497.7	1495.7	1496.0	1496.2	1496.5	1496.8	1496.9	1497.3
172.5°	1515.2	1513.2	1511.2	1509.2	1507.2	1507.5	1507.8	1508.1	1508.4	1508.5	1508.9
175°	1522.9	1520.9	1518.9	1516.9	1514.9	1515.5	1516.1	1516.6	1517.2	1517.5	1517.9
177.5°	1526.9	1525.2	1523.5	1521.8	1520.1	1520.7	1521.3	1521.8	1522.4	1522.7	1523.1
180°	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9

TEST NUMBER: P1029301

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	570.2	570.2	570.2	570.2
2.5°	559.7	559.7	566.2	573.3
5°	547.4	550.5	561.0	570.6
7.5°	535.6	540.8	554.0	566.2
10°	521.1	528.1	544.3	558.8
12.5°	507.1	513.6	532.5	548.7
15°	487.4	495.7	515.8	536.0
17.5°	467.6	476.0	500.5	524.2
20°	444.4	455.4	483.0	514.5
22.5°	422.9	436.5	467.2	492.6
25°	399.3	420.3	448.8	481.7
27.5°	378.2	399.3	428.2	461.5
30°	354.6	376.0	405.8	436.5
32.5°	331.8	351.5	380.4	418.1
35°	308.1	326.9	355.0	393.1
37.5°	286.6	305.0	335.7	370.8
40°	265.6	284.9	311.2	346.2
42.5°	245.9	263.0	286.6	321.7
45°	227.9	240.2	262.1	295.0
47.5°	209.1	220.0	240.2	273.0
50°	191.5	200.7	218.3	248.9
52.5°	174.4	182.3	198.5	223.1
55°	159.1	166.5	178.4	202.5
57.5°	143.3	149.0	160.4	179.7
60°	128.0	133.2	142.4	158.2
62.5°	112.6	117.0	125.8	138.5
65°	99.0	102.6	109.1	120.1
67.5°	85.9	88.1	93.4	102.1
70°	73.2	74.9	79.3	86.3
72.5°	59.6	61.4	66.2	71.0
75°	48.2	48.6	52.2	56.1
77.5°	37.7	37.3	39.9	43.0
80°	25.9	27.2	29.4	30.7
82.5°	17.5	18.0	18.8	19.7
85°	9.6	10.1	10.1	11.4
87.5°	3.9	4.4	4.4	4.8
90°	11.6	8.1	4.7	1.3
92.5°	35.2	32.9	30.6	28.3
95°	75.4	72.6	69.7	66.9
97.5°	119.6	117.1	114.5	111.9
100°	170.2	167.9	165.6	163.3
102.5°	222.5	220.8	219.0	217.3
105°	279.1	278.2	277.4	276.5
107.5°	339.1	338.0	336.8	335.7
110°	397.4	395.7	393.9	392.2

TEST NUMBER: P1029301

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	459.1	457.4	455.7	454.0
115°	519.5	517.8	516.1	514.4
117.5°	581.7	579.4	577.2	574.9
120°	642.2	639.9	637.6	635.3
122.5°	699.2	696.3	693.5	690.6
125°	756.2	753.6	751.1	748.5
127.5°	814.5	811.4	808.2	805.1
130°	868.9	865.2	861.5	857.8
132.5°	925.5	922.6	919.8	916.9
135°	977.8	974.7	971.5	968.4
137.5°	1032.7	1030.1	1027.6	1025.0
140°	1082.8	1080.3	1077.7	1075.1
142.5°	1134.3	1131.7	1129.2	1126.6
145°	1181.4	1179.4	1177.4	1175.4
147.5°	1226.9	1224.3	1221.8	1219.2
150°	1269.3	1267.6	1265.9	1264.2
152.5°	1309.2	1307.5	1305.7	1304.0
155°	1346.5	1345.6	1344.8	1343.9
157.5°	1380.3	1379.8	1379.2	1378.6
160°	1411.2	1410.7	1410.1	1409.5
162.5°	1437.8	1437.8	1437.8	1437.8
165°	1461.3	1461.6	1461.9	1462.2
167.5°	1481.5	1482.4	1483.2	1484.1
170°	1498.2	1499.1	1499.9	1500.8
172.5°	1509.8	1510.7	1511.5	1512.4
175°	1518.8	1519.7	1520.5	1521.4
177.5°	1524.0	1524.8	1525.7	1526.5
180°	1523.9	1523.9	1523.9	1523.9

(END OF REPORT)