

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: P1029305

Luminaire Tested: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_5000K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029305
REPORT IS A COMBINATION OF REPORTS P985481 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_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

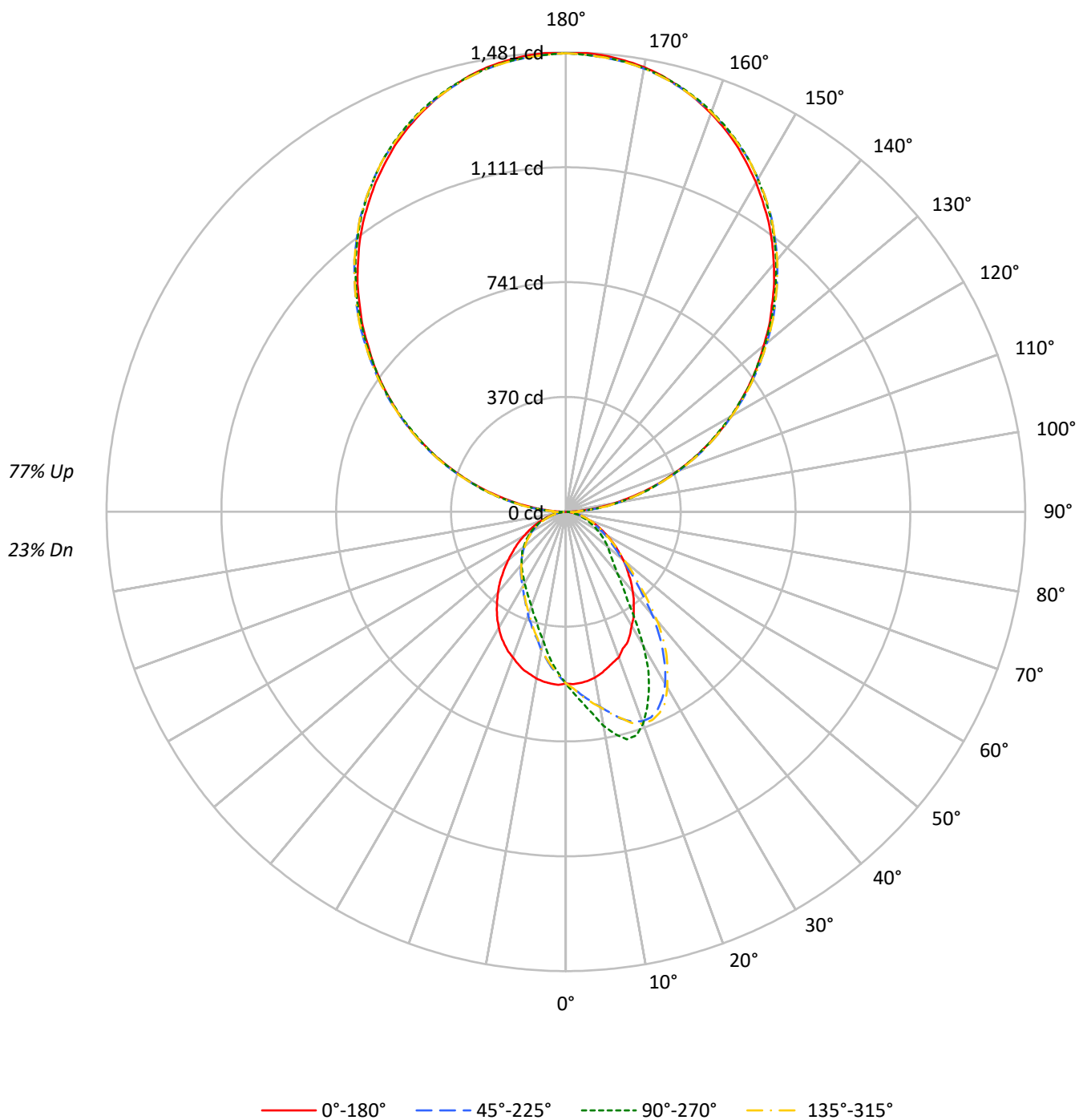
Lumens per Lamp: N/A
Luminaire Lumens: 5358.0 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

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

TEST NUMBER: P1029305

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1029305

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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	35	25	24	23	17		
3	77	68	61	55	68	60	55	50	47	43	40	34	31	29	22	21	20	15		
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°	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

TEST NUMBER: P1029305

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.7	1.0
10°-20°	153.4	2.9
20°-30°	222.7	4.2
30°-40°	234.7	4.4
40°-50°	207.7	3.9
50°-60°	165.9	3.1
60°-70°	112.7	2.1
70°-80°	57.6	1.1
80°-90°	17.8	0.3
90°-100°	91.4	1.7
100°-110°	290.7	5.4
110°-120°	497.4	9.3
120°-130°	654.2	12.2
130°-140°	734.3	13.7
140°-150°	720.1	13.4
150°-160°	604.0	11.3
160°-170°	400.6	7.5
170°-180°	140.0	2.6
0°-30°	428.8	8.0
0°-40°	663.5	12.4
0°-60°	1037.1	19.4
0°-90°	1225.2	22.9
90°-120°	879.5	16.4
90°-150°	2988.1	55.8
90°-180°	4133.0	77.1
0°-180°	5358.0	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	42	1	42	1	5
95°	65	77	65	77	65	72
105°	268	277	268	277	268	283
115°	499	499	499	499	499	494
125°	726	728	726	728	726	649
135°	939	950	939	950	939	726
145°	1140	1153	1140	1153	1140	712
155°	1304	1314	1304	1314	1304	600
165°	1418	1420	1418	1420	1418	400
175°	1476	1471	1476	1471	1476	140
180°	1478	1478	1478	1478	1478	

TEST NUMBER: P1029305

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_5000K

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°	1.2	4.5	7.9	11.2	14.5	16.2	19.3	25.4	31.5	37.6	43.7
92.5°	27.4	29.6	31.8	34.1	36.3	37.4	37.5	37.8	38.1	38.4	38.7
95°	64.9	67.7	70.4	73.2	75.9	77.3	77.6	78.1	78.7	79.2	79.8
97.5°	108.5	111.0	113.5	116.0	118.5	119.8	120.3	121.4	122.5	123.6	124.7
100°	158.4	160.6	162.8	165.1	167.3	168.4	168.8	169.6	170.5	171.3	172.1
102.5°	210.8	212.5	214.1	215.8	217.5	218.3	218.9	220.0	221.1	222.2	223.3
105°	268.2	269.0	269.8	270.7	271.5	271.9	272.2	272.7	273.3	273.8	274.4
107.5°	325.6	326.7	327.8	328.9	330.0	330.6	330.6	330.6	330.6	330.6	330.6
110°	380.5	382.2	383.8	385.5	387.2	388.0	388.0	388.0	388.0	388.0	388.0

TEST NUMBER: P1029305

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	440.3	442.0	443.6	445.3	447.0	447.8	447.7	447.4	447.1	446.9	446.6
115°	499.0	500.7	502.3	504.0	505.7	506.5	506.2	505.7	505.1	504.6	504.0
117.5°	557.6	559.8	562.0	564.3	566.5	567.6	566.9	565.5	564.1	562.7	561.3
120°	616.2	618.4	620.6	622.9	625.1	626.2	625.1	622.9	620.6	618.4	616.2
122.5°	669.9	672.7	675.4	678.2	680.9	682.3	681.6	680.2	678.9	677.5	676.1
125°	726.0	728.5	731.0	733.5	736.0	737.2	736.8	736.0	735.1	734.3	733.5
127.5°	780.9	783.9	787.0	790.0	793.1	794.6	794.0	792.9	791.8	790.7	789.6
130°	832.0	835.6	839.2	842.9	846.5	848.3	848.0	847.5	846.9	846.4	845.8
132.5°	889.4	892.2	895.0	897.7	900.5	901.9	902.0	902.3	902.6	902.8	903.1
135°	939.3	942.3	945.4	948.4	951.5	953.0	953.3	953.8	954.4	954.9	955.5
137.5°	994.2	996.7	999.2	1001.7	1004.2	1005.4	1005.7	1006.2	1006.8	1007.3	1007.9
140°	1042.9	1045.4	1047.9	1050.4	1052.9	1054.1	1054.8	1056.2	1057.5	1058.9	1060.3
142.5°	1092.8	1095.3	1097.8	1100.3	1102.8	1104.0	1104.4	1105.2	1106.1	1106.9	1107.7
145°	1140.2	1142.1	1144.1	1146.0	1147.9	1148.9	1149.7	1151.4	1153.1	1154.7	1156.4
147.5°	1182.6	1185.1	1187.6	1190.1	1192.6	1193.8	1194.4	1195.5	1196.6	1197.7	1198.8
150°	1226.2	1227.9	1229.5	1231.2	1232.9	1233.7	1234.3	1235.4	1236.5	1237.6	1238.7
152.5°	1264.9	1266.6	1268.2	1269.9	1271.6	1272.4	1273.1	1274.5	1275.8	1277.2	1278.6
155°	1303.6	1304.4	1305.2	1306.1	1306.9	1307.3	1307.7	1308.6	1309.4	1310.3	1311.1
157.5°	1337.2	1337.8	1338.3	1338.9	1339.4	1339.7	1340.0	1340.5	1341.1	1341.6	1342.2
160°	1367.2	1367.8	1368.3	1368.9	1369.4	1369.7	1369.8	1370.1	1370.4	1370.6	1370.9
162.5°	1394.6	1394.6	1394.6	1394.6	1394.6	1394.6	1394.7	1395.0	1395.3	1395.6	1395.9
165°	1418.3	1418.0	1417.8	1417.5	1417.2	1417.1	1417.1	1417.1	1417.1	1417.1	1417.1
167.5°	1439.5	1438.7	1437.9	1437.0	1436.2	1435.8	1435.8	1435.8	1435.8	1435.8	1435.8
170°	1455.8	1455.0	1454.1	1453.3	1452.4	1452.0	1451.9	1451.6	1451.3	1451.1	1450.8
172.5°	1467.0	1466.2	1465.3	1464.5	1463.6	1463.2	1463.1	1462.8	1462.5	1462.3	1462.0
175°	1475.7	1474.9	1474.1	1473.2	1472.4	1472.0	1471.7	1471.2	1470.6	1470.1	1469.5
177.5°	1480.7	1479.9	1479.1	1478.2	1477.4	1477.0	1476.7	1476.2	1475.6	1475.1	1474.5
180°	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2

TEST NUMBER: P1029305

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_5000K

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°	43.1	42.6	42.0	41.5	41.2	41.3	41.6	41.9	42.1	42.4	42.1
92.5°	39.0	39.2	39.5	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9
95°	79.8	79.8	79.8	79.8	79.8	79.5	79.0	78.4	77.9	77.3	77.9
97.5°	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7
100°	172.1	172.1	172.1	172.1	172.1	172.0	171.7	171.4	171.2	170.9	171.2
102.5°	223.6	223.8	224.1	224.4	224.5	224.4	224.1	223.8	223.6	223.3	223.6
105°	275.0	275.5	276.1	276.6	276.9	276.9	276.9	276.9	276.9	276.9	276.9
107.5°	330.9	331.1	331.4	331.7	331.8	331.1	329.7	328.4	327.0	325.6	327.0
110°	388.0	388.0	388.0	388.0	388.0	387.6	386.7	385.9	385.0	384.2	385.0

TEST NUMBER: P1029305

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	445.8	444.9	444.1	443.2	442.8	442.5	442.0	441.4	440.9	440.3	440.9
115°	503.7	503.4	503.1	502.8	502.7	502.3	501.5	500.6	499.8	499.0	499.8
117.5°	560.5	559.7	558.8	558.0	557.6	557.2	556.4	555.5	554.7	553.9	554.7
120°	616.2	616.2	616.2	616.2	616.2	615.8	615.0	614.1	613.3	612.5	613.3
122.5°	675.3	674.5	673.6	672.8	672.4	672.1	671.6	671.0	670.5	669.9	670.5
125°	732.7	731.8	731.0	730.1	729.7	729.6	729.3	729.0	728.8	728.5	728.8
127.5°	788.5	787.4	786.3	785.2	784.6	784.2	783.4	782.5	781.7	780.9	781.7
130°	845.2	844.7	844.1	843.6	843.3	842.7	841.6	840.5	839.4	838.3	839.4
132.5°	901.7	900.3	899.0	897.6	896.9	896.5	895.7	894.8	894.0	893.2	894.0
135°	955.2	955.0	954.7	954.4	954.3	953.9	953.0	952.2	951.3	950.5	951.3
137.5°	1007.6	1007.4	1007.1	1006.8	1006.7	1006.1	1005.0	1003.9	1002.8	1001.7	1002.8
140°	1060.3	1060.3	1060.3	1060.3	1060.3	1059.7	1058.6	1057.5	1056.4	1055.3	1056.4
142.5°	1108.0	1108.3	1108.6	1108.9	1109.0	1108.4	1107.3	1106.2	1105.1	1104.0	1105.1
145°	1156.7	1156.9	1157.2	1157.5	1157.6	1157.0	1155.9	1154.8	1153.7	1152.6	1153.7
147.5°	1199.4	1199.9	1200.5	1201.0	1201.3	1200.7	1199.6	1198.5	1197.4	1196.3	1197.4
150°	1239.5	1240.3	1241.2	1242.0	1242.4	1242.0	1241.2	1240.3	1239.5	1238.7	1239.5
152.5°	1279.7	1280.8	1281.9	1283.0	1283.6	1283.0	1281.9	1280.8	1279.7	1278.6	1279.7
155°	1312.5	1313.9	1315.2	1316.6	1317.3	1316.9	1316.0	1315.2	1314.3	1313.5	1314.3
157.5°	1344.2	1346.1	1348.1	1350.0	1351.0	1350.3	1348.9	1347.5	1346.1	1344.7	1346.1
160°	1372.6	1374.2	1375.9	1377.6	1378.4	1377.8	1376.7	1375.6	1374.5	1373.4	1374.5
162.5°	1397.8	1399.8	1401.7	1403.6	1404.6	1403.9	1402.5	1401.2	1399.8	1398.4	1399.8
165°	1419.0	1421.0	1422.9	1424.8	1425.8	1425.1	1423.7	1422.4	1421.0	1419.6	1421.0
167.5°	1437.7	1439.7	1441.6	1443.5	1444.5	1443.8	1442.4	1441.1	1439.7	1438.3	1439.7
170°	1452.7	1454.7	1456.6	1458.5	1459.5	1458.7	1457.0	1455.3	1453.7	1452.0	1453.7
172.5°	1463.9	1465.9	1467.8	1469.7	1470.7	1469.9	1468.2	1466.5	1464.9	1463.2	1464.9
175°	1471.4	1473.4	1475.3	1477.2	1478.2	1477.4	1475.7	1474.0	1472.4	1470.7	1472.4
177.5°	1476.2	1477.8	1479.5	1481.2	1482.0	1481.2	1479.5	1477.8	1476.2	1474.5	1476.2
180°	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2

TEST NUMBER: P1029305

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_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°	41.9	41.6	41.3	41.2	41.5	42.0	42.6	43.1	43.7	37.6	31.5
92.5°	39.9	39.9	39.9	39.9	39.8	39.5	39.2	39.0	38.7	38.4	38.1
95°	78.4	79.0	79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.2	78.7
97.5°	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7	123.6	122.5
100°	171.4	171.7	172.0	172.1	172.1	172.1	172.1	172.1	172.1	171.3	170.5
102.5°	223.8	224.1	224.4	224.5	224.4	224.1	223.8	223.6	223.3	222.2	221.1
105°	276.9	276.9	276.9	276.9	276.6	276.1	275.5	275.0	274.4	273.8	273.3
107.5°	328.4	329.7	331.1	331.8	331.7	331.4	331.1	330.9	330.6	330.6	330.6
110°	385.9	386.7	387.6	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0

TEST NUMBER: P1029305

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	441.4	442.0	442.5	442.8	443.2	444.1	444.9	445.8	446.6	446.9	447.1
115°	500.6	501.5	502.3	502.7	502.8	503.1	503.4	503.7	504.0	504.6	505.1
117.5°	555.5	556.4	557.2	557.6	558.0	558.8	559.7	560.5	561.3	562.7	564.1
120°	614.1	615.0	615.8	616.2	616.2	616.2	616.2	616.2	616.2	618.4	620.6
122.5°	671.0	671.6	672.1	672.4	672.8	673.6	674.5	675.3	676.1	677.5	678.9
125°	729.0	729.3	729.6	729.7	730.1	731.0	731.8	732.7	733.5	734.3	735.1
127.5°	782.5	783.4	784.2	784.6	785.2	786.3	787.4	788.5	789.6	790.7	791.8
130°	840.5	841.6	842.7	843.3	843.6	844.1	844.7	845.2	845.8	846.4	846.9
132.5°	894.8	895.7	896.5	896.9	897.6	899.0	900.3	901.7	903.1	902.8	902.6
135°	952.2	953.0	953.9	954.3	954.4	954.7	955.0	955.2	955.5	954.9	954.4
137.5°	1003.9	1005.0	1006.1	1006.7	1006.8	1007.1	1007.4	1007.6	1007.9	1007.3	1006.8
140°	1057.5	1058.6	1059.7	1060.3	1060.3	1060.3	1060.3	1060.3	1060.3	1058.9	1057.5
142.5°	1106.2	1107.3	1108.4	1109.0	1108.9	1108.6	1108.3	1108.0	1107.7	1106.9	1106.1
145°	1154.8	1155.9	1157.0	1157.6	1157.5	1157.2	1156.9	1156.7	1156.4	1154.7	1153.1
147.5°	1198.5	1199.6	1200.7	1201.3	1201.0	1200.5	1199.9	1199.4	1198.8	1197.7	1196.6
150°	1240.3	1241.2	1242.0	1242.4	1242.0	1241.2	1240.3	1239.5	1238.7	1237.6	1236.5
152.5°	1280.8	1281.9	1283.0	1283.6	1283.0	1281.9	1280.8	1279.7	1278.6	1277.2	1275.8
155°	1315.2	1316.0	1316.9	1317.3	1316.6	1315.2	1313.9	1312.5	1311.1	1310.3	1309.4
157.5°	1347.5	1348.9	1350.3	1351.0	1350.0	1348.1	1346.1	1344.2	1342.2	1341.6	1341.1
160°	1375.6	1376.7	1377.8	1378.4	1377.6	1375.9	1374.2	1372.6	1370.9	1370.6	1370.4
162.5°	1401.2	1402.5	1403.9	1404.6	1403.6	1401.7	1399.8	1397.8	1395.9	1395.6	1395.3
165°	1422.4	1423.7	1425.1	1425.8	1424.8	1422.9	1421.0	1419.0	1417.1	1417.1	1417.1
167.5°	1441.1	1442.4	1443.8	1444.5	1443.5	1441.6	1439.7	1437.7	1435.8	1435.8	1435.8
170°	1455.3	1457.0	1458.7	1459.5	1458.5	1456.6	1454.7	1452.7	1450.8	1451.1	1451.3
172.5°	1466.5	1468.2	1469.9	1470.7	1469.7	1467.8	1465.9	1463.9	1462.0	1462.3	1462.5
175°	1474.0	1475.7	1477.4	1478.2	1477.2	1475.3	1473.4	1471.4	1469.5	1470.1	1470.6
177.5°	1477.8	1479.5	1481.2	1482.0	1481.2	1479.5	1477.8	1476.2	1474.5	1475.1	1475.6
180°	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2

TEST NUMBER: P1029305

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_5000K

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°	25.4	19.3	16.2	14.5	11.2	7.9	4.5	1.2	4.5	7.9	11.2
92.5°	37.8	37.5	37.4	36.3	34.1	31.8	29.6	27.4	29.6	31.8	34.1
95°	78.1	77.6	77.3	75.9	73.2	70.4	67.7	64.9	67.7	70.4	73.2
97.5°	121.4	120.3	119.8	118.5	116.0	113.5	111.0	108.5	111.0	113.5	116.0
100°	169.6	168.8	168.4	167.3	165.1	162.8	160.6	158.4	160.6	162.8	165.1
102.5°	220.0	218.9	218.3	217.5	215.8	214.1	212.5	210.8	212.5	214.1	215.8
105°	272.7	272.2	271.9	271.5	270.7	269.8	269.0	268.2	269.0	269.8	270.7
107.5°	330.6	330.6	330.6	330.0	328.9	327.8	326.7	325.6	326.7	327.8	328.9
110°	388.0	388.0	388.0	387.2	385.5	383.8	382.2	380.5	382.2	383.8	385.5

TEST NUMBER: P1029305

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	447.4	447.7	447.8	447.0	445.3	443.6	442.0	440.3	442.0	443.6	445.3
115°	505.7	506.2	506.5	505.7	504.0	502.3	500.7	499.0	500.7	502.3	504.0
117.5°	565.5	566.9	567.6	566.5	564.3	562.0	559.8	557.6	559.8	562.0	564.3
120°	622.9	625.1	626.2	625.1	622.9	620.6	618.4	616.2	618.4	620.6	622.9
122.5°	680.2	681.6	682.3	680.9	678.2	675.4	672.7	669.9	672.7	675.4	678.2
125°	736.0	736.8	737.2	736.0	733.5	731.0	728.5	726.0	728.5	731.0	733.5
127.5°	792.9	794.0	794.6	793.1	790.0	787.0	783.9	780.9	783.9	787.0	790.0
130°	847.5	848.0	848.3	846.5	842.9	839.2	835.6	832.0	835.6	839.2	842.9
132.5°	902.3	902.0	901.9	900.5	897.7	895.0	892.2	889.4	892.2	895.0	897.7
135°	953.8	953.3	953.0	951.5	948.4	945.4	942.3	939.3	942.3	945.4	948.4
137.5°	1006.2	1005.7	1005.4	1004.2	1001.7	999.2	996.7	994.2	996.7	999.2	1001.7
140°	1056.2	1054.8	1054.1	1052.9	1050.4	1047.9	1045.4	1042.9	1045.4	1047.9	1050.4
142.5°	1105.2	1104.4	1104.0	1102.8	1100.3	1097.8	1095.3	1092.8	1095.3	1097.8	1100.3
145°	1151.4	1149.7	1148.9	1147.9	1146.0	1144.1	1142.1	1140.2	1142.1	1144.1	1146.0
147.5°	1195.5	1194.4	1193.8	1192.6	1190.1	1187.6	1185.1	1182.6	1185.1	1187.6	1190.1
150°	1235.4	1234.3	1233.7	1232.9	1231.2	1229.5	1227.9	1226.2	1227.9	1229.5	1231.2
152.5°	1274.5	1273.1	1272.4	1271.6	1269.9	1268.2	1266.6	1264.9	1266.6	1268.2	1269.9
155°	1308.6	1307.7	1307.3	1306.9	1306.1	1305.2	1304.4	1303.6	1304.4	1305.2	1306.1
157.5°	1340.5	1340.0	1339.7	1339.4	1338.9	1338.3	1337.8	1337.2	1337.8	1338.3	1338.9
160°	1370.1	1369.8	1369.7	1369.4	1368.9	1368.3	1367.8	1367.2	1367.8	1368.3	1368.9
162.5°	1395.0	1394.7	1394.6	1394.6	1394.6	1394.6	1394.6	1394.6	1394.6	1394.6	1394.6
165°	1417.1	1417.1	1417.1	1417.2	1417.5	1417.8	1418.0	1418.3	1418.0	1417.8	1417.5
167.5°	1435.8	1435.8	1435.8	1436.2	1437.0	1437.9	1438.7	1439.5	1438.7	1437.9	1437.0
170°	1451.6	1451.9	1452.0	1452.4	1453.3	1454.1	1455.0	1455.8	1455.0	1454.1	1453.3
172.5°	1462.8	1463.1	1463.2	1463.6	1464.5	1465.3	1466.2	1467.0	1466.2	1465.3	1464.5
175°	1471.2	1471.7	1472.0	1472.4	1473.2	1474.1	1474.9	1475.7	1474.9	1474.1	1473.2
177.5°	1476.2	1476.7	1477.0	1477.4	1478.2	1479.1	1479.9	1480.7	1479.9	1479.1	1478.2
180°	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2

TEST NUMBER: P1029305

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_5000K

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°	14.5	16.2	19.3	25.4	31.5	37.6	43.7	43.1	42.6	42.0	41.5
92.5°	36.3	37.4	37.5	37.8	38.1	38.4	38.7	39.0	39.2	39.5	39.8
95°	75.9	77.3	77.6	78.1	78.7	79.2	79.8	79.8	79.8	79.8	79.8
97.5°	118.5	119.8	120.3	121.4	122.5	123.6	124.7	124.7	124.7	124.7	124.7
100°	167.3	168.4	168.8	169.6	170.5	171.3	172.1	172.1	172.1	172.1	172.1
102.5°	217.5	218.3	218.9	220.0	221.1	222.2	223.3	223.6	223.8	224.1	224.4
105°	271.5	271.9	272.2	272.7	273.3	273.8	274.4	275.0	275.5	276.1	276.6
107.5°	330.0	330.6	330.6	330.6	330.6	330.6	330.6	330.9	331.1	331.4	331.7
110°	387.2	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0

TEST NUMBER: P1029305

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	447.0	447.8	447.7	447.4	447.1	446.9	446.6	445.8	444.9	444.1	443.2
115°	505.7	506.5	506.2	505.7	505.1	504.6	504.0	503.7	503.4	503.1	502.8
117.5°	566.5	567.6	566.9	565.5	564.1	562.7	561.3	560.5	559.7	558.8	558.0
120°	625.1	626.2	625.1	622.9	620.6	618.4	616.2	616.2	616.2	616.2	616.2
122.5°	680.9	682.3	681.6	680.2	678.9	677.5	676.1	675.3	674.5	673.6	672.8
125°	736.0	737.2	736.8	736.0	735.1	734.3	733.5	732.7	731.8	731.0	730.1
127.5°	793.1	794.6	794.0	792.9	791.8	790.7	789.6	788.5	787.4	786.3	785.2
130°	846.5	848.3	848.0	847.5	846.9	846.4	845.8	845.2	844.7	844.1	843.6
132.5°	900.5	901.9	902.0	902.3	902.6	902.8	903.1	901.7	900.3	899.0	897.6
135°	951.5	953.0	953.3	953.8	954.4	954.9	955.5	955.2	955.0	954.7	954.4
137.5°	1004.2	1005.4	1005.7	1006.2	1006.8	1007.3	1007.9	1007.6	1007.4	1007.1	1006.8
140°	1052.9	1054.1	1054.8	1056.2	1057.5	1058.9	1060.3	1060.3	1060.3	1060.3	1060.3
142.5°	1102.8	1104.0	1104.4	1105.2	1106.1	1106.9	1107.7	1108.0	1108.3	1108.6	1108.9
145°	1147.9	1148.9	1149.7	1151.4	1153.1	1154.7	1156.4	1156.7	1156.9	1157.2	1157.5
147.5°	1192.6	1193.8	1194.4	1195.5	1196.6	1197.7	1198.8	1199.4	1199.9	1200.5	1201.0
150°	1232.9	1233.7	1234.3	1235.4	1236.5	1237.6	1238.7	1239.5	1240.3	1241.2	1242.0
152.5°	1271.6	1272.4	1273.1	1274.5	1275.8	1277.2	1278.6	1279.7	1280.8	1281.9	1283.0
155°	1306.9	1307.3	1307.7	1308.6	1309.4	1310.3	1311.1	1312.5	1313.9	1315.2	1316.6
157.5°	1339.4	1339.7	1340.0	1340.5	1341.1	1341.6	1342.2	1344.2	1346.1	1348.1	1350.0
160°	1369.4	1369.7	1369.8	1370.1	1370.4	1370.6	1370.9	1372.6	1374.2	1375.9	1377.6
162.5°	1394.6	1394.6	1394.7	1395.0	1395.3	1395.6	1395.9	1397.8	1399.8	1401.7	1403.6
165°	1417.2	1417.1	1417.1	1417.1	1417.1	1417.1	1417.1	1419.0	1421.0	1422.9	1424.8
167.5°	1436.2	1435.8	1435.8	1435.8	1435.8	1435.8	1435.8	1437.7	1439.7	1441.6	1443.5
170°	1452.4	1452.0	1451.9	1451.6	1451.3	1451.1	1450.8	1452.7	1454.7	1456.6	1458.5
172.5°	1463.6	1463.2	1463.1	1462.8	1462.5	1462.3	1462.0	1463.9	1465.9	1467.8	1469.7
175°	1472.4	1472.0	1471.7	1471.2	1470.6	1470.1	1469.5	1471.4	1473.4	1475.3	1477.2
177.5°	1477.4	1477.0	1476.7	1476.2	1475.6	1475.1	1474.5	1476.2	1477.8	1479.5	1481.2
180°	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2

TEST NUMBER: P1029305

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_5000K

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°	41.2	41.3	41.6	41.9	42.1	42.4	42.1	41.9	41.6	41.3	41.2
92.5°	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
95°	79.8	79.5	79.0	78.4	77.9	77.3	77.9	78.4	79.0	79.5	79.8
97.5°	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7
100°	172.1	172.0	171.7	171.4	171.2	170.9	171.2	171.4	171.7	172.0	172.1
102.5°	224.5	224.4	224.1	223.8	223.6	223.3	223.6	223.8	224.1	224.4	224.5
105°	276.9	276.9	276.9	276.9	276.9	276.9	276.9	276.9	276.9	276.9	276.9
107.5°	331.8	331.1	329.7	328.4	327.0	325.6	327.0	328.4	329.7	331.1	331.8
110°	388.0	387.6	386.7	385.9	385.0	384.2	385.0	385.9	386.7	387.6	388.0

TEST NUMBER: P1029305

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	442.8	442.5	442.0	441.4	440.9	440.3	440.9	441.4	442.0	442.5	442.8
115°	502.7	502.3	501.5	500.6	499.8	499.0	499.8	500.6	501.5	502.3	502.7
117.5°	557.6	557.2	556.4	555.5	554.7	553.9	554.7	555.5	556.4	557.2	557.6
120°	616.2	615.8	615.0	614.1	613.3	612.5	613.3	614.1	615.0	615.8	616.2
122.5°	672.4	672.1	671.6	671.0	670.5	669.9	670.5	671.0	671.6	672.1	672.4
125°	729.7	729.6	729.3	729.0	728.8	728.5	728.8	729.0	729.3	729.6	729.7
127.5°	784.6	784.2	783.4	782.5	781.7	780.9	781.7	782.5	783.4	784.2	784.6
130°	843.3	842.7	841.6	840.5	839.4	838.3	839.4	840.5	841.6	842.7	843.3
132.5°	896.9	896.5	895.7	894.8	894.0	893.2	894.0	894.8	895.7	896.5	896.9
135°	954.3	953.9	953.0	952.2	951.3	950.5	951.3	952.2	953.0	953.9	954.3
137.5°	1006.7	1006.1	1005.0	1003.9	1002.8	1001.7	1002.8	1003.9	1005.0	1006.1	1006.7
140°	1060.3	1059.7	1058.6	1057.5	1056.4	1055.3	1056.4	1057.5	1058.6	1059.7	1060.3
142.5°	1109.0	1108.4	1107.3	1106.2	1105.1	1104.0	1105.1	1106.2	1107.3	1108.4	1109.0
145°	1157.6	1157.0	1155.9	1154.8	1153.7	1152.6	1153.7	1154.8	1155.9	1157.0	1157.6
147.5°	1201.3	1200.7	1199.6	1198.5	1197.4	1196.3	1197.4	1198.5	1199.6	1200.7	1201.3
150°	1242.4	1242.0	1241.2	1240.3	1239.5	1238.7	1239.5	1240.3	1241.2	1242.0	1242.4
152.5°	1283.6	1283.0	1281.9	1280.8	1279.7	1278.6	1279.7	1280.8	1281.9	1283.0	1283.6
155°	1317.3	1316.9	1316.0	1315.2	1314.3	1313.5	1314.3	1315.2	1316.0	1316.9	1317.3
157.5°	1351.0	1350.3	1348.9	1347.5	1346.1	1344.7	1346.1	1347.5	1348.9	1350.3	1351.0
160°	1378.4	1377.8	1376.7	1375.6	1374.5	1373.4	1374.5	1375.6	1376.7	1377.8	1378.4
162.5°	1404.6	1403.9	1402.5	1401.2	1399.8	1398.4	1399.8	1401.2	1402.5	1403.9	1404.6
165°	1425.8	1425.1	1423.7	1422.4	1421.0	1419.6	1421.0	1422.4	1423.7	1425.1	1425.8
167.5°	1444.5	1443.8	1442.4	1441.1	1439.7	1438.3	1439.7	1441.1	1442.4	1443.8	1444.5
170°	1459.5	1458.7	1457.0	1455.3	1453.7	1452.0	1453.7	1455.3	1457.0	1458.7	1459.5
172.5°	1470.7	1469.9	1468.2	1466.5	1464.9	1463.2	1464.9	1466.5	1468.2	1469.9	1470.7
175°	1478.2	1477.4	1475.7	1474.0	1472.4	1470.7	1472.4	1474.0	1475.7	1477.4	1478.2
177.5°	1482.0	1481.2	1479.5	1477.8	1476.2	1474.5	1476.2	1477.8	1479.5	1481.2	1482.0
180°	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2

TEST NUMBER: P1029305

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_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°	41.5	42.0	42.6	43.1	43.7	37.6	31.5	25.4	19.3	16.2	14.5
92.5°	39.8	39.5	39.2	39.0	38.7	38.4	38.1	37.8	37.5	37.4	36.3
95°	79.8	79.8	79.8	79.8	79.8	79.2	78.7	78.1	77.6	77.3	75.9
97.5°	124.7	124.7	124.7	124.7	124.7	123.6	122.5	121.4	120.3	119.8	118.5
100°	172.1	172.1	172.1	172.1	172.1	171.3	170.5	169.6	168.8	168.4	167.3
102.5°	224.4	224.1	223.8	223.6	223.3	222.2	221.1	220.0	218.9	218.3	217.5
105°	276.6	276.1	275.5	275.0	274.4	273.8	273.3	272.7	272.2	271.9	271.5
107.5°	331.7	331.4	331.1	330.9	330.6	330.6	330.6	330.6	330.6	330.6	330.0
110°	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0	388.0	387.2

TEST NUMBER: P1029305

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	443.2	444.1	444.9	445.8	446.6	446.9	447.1	447.4	447.7	447.8	447.0
115°	502.8	503.1	503.4	503.7	504.0	504.6	505.1	505.7	506.2	506.5	505.7
117.5°	558.0	558.8	559.7	560.5	561.3	562.7	564.1	565.5	566.9	567.6	566.5
120°	616.2	616.2	616.2	616.2	616.2	618.4	620.6	622.9	625.1	626.2	625.1
122.5°	672.8	673.6	674.5	675.3	676.1	677.5	678.9	680.2	681.6	682.3	680.9
125°	730.1	731.0	731.8	732.7	733.5	734.3	735.1	736.0	736.8	737.2	736.0
127.5°	785.2	786.3	787.4	788.5	789.6	790.7	791.8	792.9	794.0	794.6	793.1
130°	843.6	844.1	844.7	845.2	845.8	846.4	846.9	847.5	848.0	848.3	846.5
132.5°	897.6	899.0	900.3	901.7	903.1	902.8	902.6	902.3	902.0	901.9	900.5
135°	954.4	954.7	955.0	955.2	955.5	954.9	954.4	953.8	953.3	953.0	951.5
137.5°	1006.8	1007.1	1007.4	1007.6	1007.9	1007.3	1006.8	1006.2	1005.7	1005.4	1004.2
140°	1060.3	1060.3	1060.3	1060.3	1060.3	1058.9	1057.5	1056.2	1054.8	1054.1	1052.9
142.5°	1108.9	1108.6	1108.3	1108.0	1107.7	1106.9	1106.1	1105.2	1104.4	1104.0	1102.8
145°	1157.5	1157.2	1156.9	1156.7	1156.4	1154.7	1153.1	1151.4	1149.7	1148.9	1147.9
147.5°	1201.0	1200.5	1199.9	1199.4	1198.8	1197.7	1196.6	1195.5	1194.4	1193.8	1192.6
150°	1242.0	1241.2	1240.3	1239.5	1238.7	1237.6	1236.5	1235.4	1234.3	1233.7	1232.9
152.5°	1283.0	1281.9	1280.8	1279.7	1278.6	1277.2	1275.8	1274.5	1273.1	1272.4	1271.6
155°	1316.6	1315.2	1313.9	1312.5	1311.1	1310.3	1309.4	1308.6	1307.7	1307.3	1306.9
157.5°	1350.0	1348.1	1346.1	1344.2	1342.2	1341.6	1341.1	1340.5	1340.0	1339.7	1339.4
160°	1377.6	1375.9	1374.2	1372.6	1370.9	1370.6	1370.4	1370.1	1369.8	1369.7	1369.4
162.5°	1403.6	1401.7	1399.8	1397.8	1395.9	1395.6	1395.3	1395.0	1394.7	1394.6	1394.6
165°	1424.8	1422.9	1421.0	1419.0	1417.1	1417.1	1417.1	1417.1	1417.1	1417.1	1417.2
167.5°	1443.5	1441.6	1439.7	1437.7	1435.8	1435.8	1435.8	1435.8	1435.8	1435.8	1436.2
170°	1458.5	1456.6	1454.7	1452.7	1450.8	1451.1	1451.3	1451.6	1451.9	1452.0	1452.4
172.5°	1469.7	1467.8	1465.9	1463.9	1462.0	1462.3	1462.5	1462.8	1463.1	1463.2	1463.6
175°	1477.2	1475.3	1473.4	1471.4	1469.5	1470.1	1470.6	1471.2	1471.7	1472.0	1472.4
177.5°	1481.2	1479.5	1477.8	1476.2	1474.5	1475.1	1475.6	1476.2	1476.7	1477.0	1477.4
180°	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2

TEST NUMBER: P1029305

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_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°	11.2	7.9	4.5	1.2
92.5°	34.1	31.8	29.6	27.4
95°	73.2	70.4	67.7	64.9
97.5°	116.0	113.5	111.0	108.5
100°	165.1	162.8	160.6	158.4
102.5°	215.8	214.1	212.5	210.8
105°	270.7	269.8	269.0	268.2
107.5°	328.9	327.8	326.7	325.6
110°	385.5	383.8	382.2	380.5

TEST NUMBER: P1029305

CATALOG NUMBER: S122DIW-B290D1240UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	445.3	443.6	442.0	440.3
115°	504.0	502.3	500.7	499.0
117.5°	564.3	562.0	559.8	557.6
120°	622.9	620.6	618.4	616.2
122.5°	678.2	675.4	672.7	669.9
125°	733.5	731.0	728.5	726.0
127.5°	790.0	787.0	783.9	780.9
130°	842.9	839.2	835.6	832.0
132.5°	897.7	895.0	892.2	889.4
135°	948.4	945.4	942.3	939.3
137.5°	1001.7	999.2	996.7	994.2
140°	1050.4	1047.9	1045.4	1042.9
142.5°	1100.3	1097.8	1095.3	1092.8
145°	1146.0	1144.1	1142.1	1140.2
147.5°	1190.1	1187.6	1185.1	1182.6
150°	1231.2	1229.5	1227.9	1226.2
152.5°	1269.9	1268.2	1266.6	1264.9
155°	1306.1	1305.2	1304.4	1303.6
157.5°	1338.9	1338.3	1337.8	1337.2
160°	1368.9	1368.3	1367.8	1367.2
162.5°	1394.6	1394.6	1394.6	1394.6
165°	1417.5	1417.8	1418.0	1418.3
167.5°	1437.0	1437.9	1438.7	1439.5
170°	1453.3	1454.1	1455.0	1455.8
172.5°	1464.5	1465.3	1466.2	1467.0
175°	1473.2	1474.1	1474.9	1475.7
177.5°	1478.2	1479.1	1479.9	1480.7
180°	1478.2	1478.2	1478.2	1478.2

(END OF REPORT)