

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: P1029691

Luminaire Tested: S122DIW-B675D710UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029691
REPORT IS A COMBINATION OF REPORTS P986658 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIW-B675D710UB2750-4F0-XX-W2A-A_3000K
Description: Define 2 Direct/Indirect Wall Mount with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

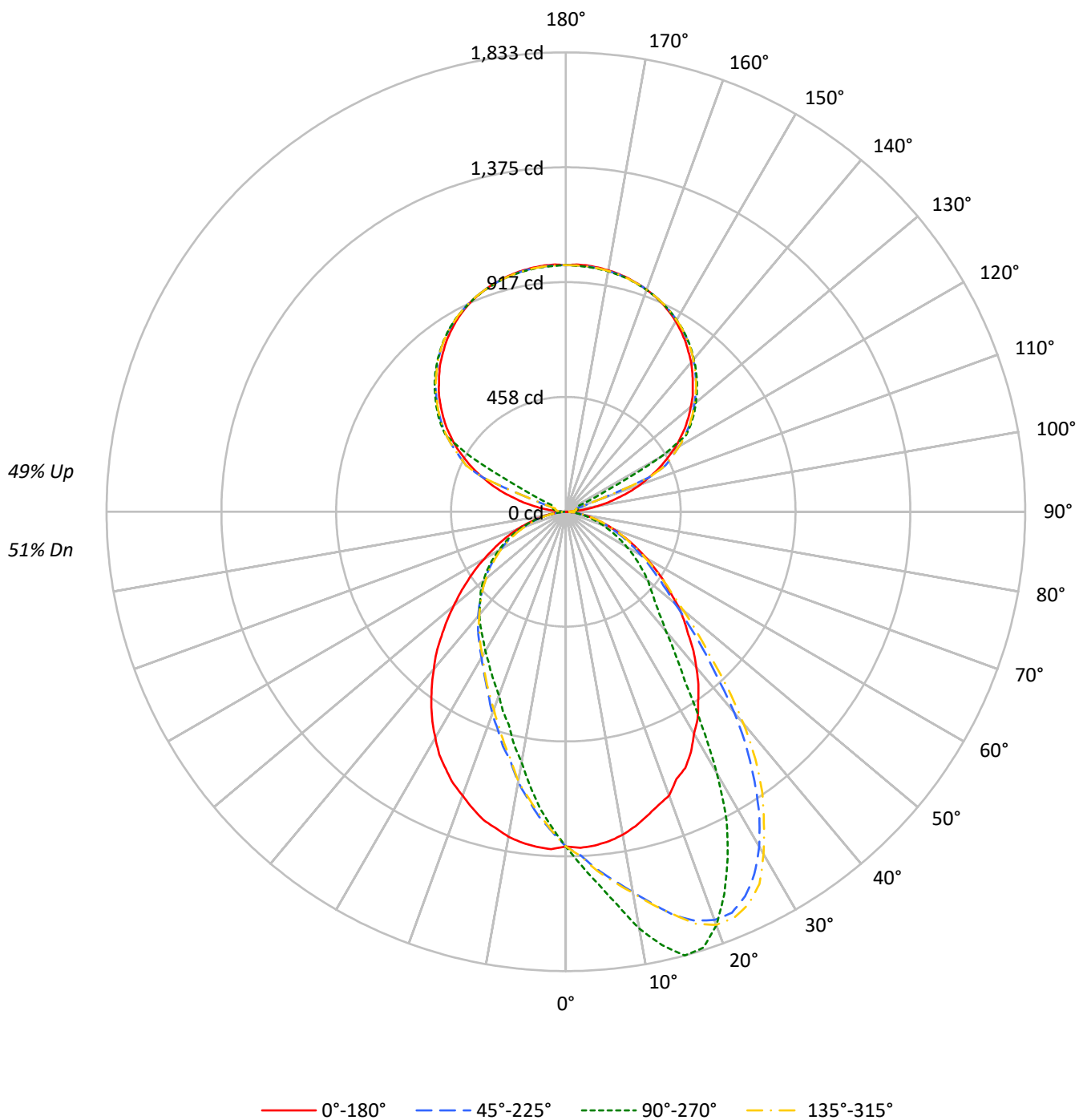
Lumens per Lamp: N/A
Luminaire Lumens: 5833.0 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 59.1
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



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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	107	107	107	107	99	99	99	99		84	84	84		70	70	70		57	57	57
1	98	94	91	87	91	87	84	81		74	72	70		62	60	59		51	50	49
2	90	83	77	72	83	77	72	67		65	62	58		55	52	50		45	43	42
3	82	73	66	61	76	68	62	57		58	54	50		49	46	43		41	38	36
4	76	65	58	52	70	61	54	49		52	47	43		44	40	37		37	34	32
5	70	58	50	45	64	54	47	42		47	41	37		40	36	32		33	30	28
6	64	53	45	39	59	49	42	37		42	37	33		36	32	29		30	27	25
7	60	48	40	34	55	44	38	33		39	33	29		33	29	26		28	25	22
8	55	43	36	31	51	41	34	29		35	30	26		30	26	23		26	22	20
9	52	40	32	27	48	37	31	26		32	27	23		28	24	21		24	21	18
10	48	36	29	25	45	34	28	24		30	25	21		26	22	19		22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	21137	21137	21137	21137
5°	21187	22537	21268	17929
10°	20941	24603	21073	14781
15°	20433	25949	20718	12452
20°	20114	24365	20114	10822
25°	19473	20932	19562	9678
30°	18418	16454	18769	8766
35°	17484	11378	17776	8020
40°	16410	8590	16596	7427
45°	15085	7060	15332	6785
50°	13942	6196	13965	6211
55°	12636	5279	12716	5588
60°	11243	4410	11397	4877
65°	9996	3587	10178	4165
70°	8757	2815	8978	3359
75°	7351	2042	7636	2437
80°	5732	1295	6148	1446
85°	3772	651	4054	482

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 21850 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.2	2.2
10°-20°	370.2	6.3
20°-30°	537.2	9.2
30°-40°	566.3	9.7
40°-50°	501.2	8.6
50°-60°	400.2	6.9
60°-70°	271.8	4.7
70°-80°	139.1	2.4
80°-90°	34.6	0.6
90°-100°	32.5	0.6
100°-110°	121.0	2.1
110°-120°	320.9	5.5
120°-130°	532.2	9.1
130°-140°	565.3	9.7
140°-150°	525.4	9.0
150°-160°	422.4	7.2
160°-170°	272.2	4.7
170°-180°	93.7	1.6
0°-30°	1034.6	17.7
0°-40°	1600.9	27.4
0°-60°	2502.3	42.9
0°-90°	2947.7	50.5
90°-120°	474.3	8.1
90°-150°	2097.1	36.0
90°-180°	2885.0	49.5
0°-180°	5833.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1335	1335	1335	1335	1335	
5°	1336	1491	1341	1186	1336	127
15°	1255	1833	1273	880	1255	355
25°	1128	1527	1133	706	1128	516
35°	921	831	936	586	921	576
45°	691	501	702	481	691	536
55°	474	352	477	373	474	423
65°	281	217	286	252	281	280
75°	131	107	136	127	131	141
85°	27	28	29	20	27	31
90°	1	19	1	19	1	4
95°	46	31	46	31	46	55
105°	216	54	216	54	216	231
115°	410	58	410	58	410	403
125°	579	609	579	609	579	516
135°	716	740	716	740	716	553
145°	831	844	831	844	831	520
155°	915	916	915	916	915	422
165°	964	962	964	962	964	272
175°	986	981	986	981	986	94
180°	984	984	984	984	984	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3
2.5°	1342.4	1345.5	1350.7	1351.7	1361.9	1370.2	1379.4	1379.4	1382.5	1381.4	1373.2
5°	1336.3	1345.5	1358.9	1370.2	1388.6	1396.8	1409.2	1418.4	1426.6	1432.8	1431.7
7.5°	1326.0	1342.4	1361.9	1383.5	1408.1	1422.5	1440.0	1456.4	1467.7	1477.9	1485.1
10°	1308.6	1336.3	1363.0	1391.7	1423.5	1443.0	1463.6	1485.1	1502.6	1522.1	1540.5
12.5°	1285.0	1325.0	1357.8	1395.8	1434.8	1456.4	1489.2	1505.6	1539.5	1588.8	1602.1
15°	1255.2	1309.6	1340.4	1388.6	1440.0	1457.4	1502.6	1529.2	1599.0	1629.8	1666.8
17.5°	1227.5	1288.1	1329.1	1384.5	1434.8	1468.7	1512.8	1567.2	1625.7	1669.9	1710.9
20°	1204.9	1263.4	1312.7	1374.3	1437.9	1481.0	1527.2	1592.9	1656.5	1701.7	1733.5
22.5°	1153.6	1228.5	1286.0	1354.8	1431.7	1491.3	1535.4	1607.2	1676.0	1703.7	1731.4
25°	1127.9	1192.6	1259.3	1337.3	1427.6	1498.5	1536.4	1616.5	1677.0	1687.3	1693.5
27.5°	1080.7	1153.6	1231.6	1320.9	1426.6	1486.1	1534.4	1607.2	1655.5	1648.3	1629.8
30°	1022.2	1111.5	1197.7	1294.2	1412.2	1476.9	1522.1	1588.8	1613.4	1576.5	1543.6
32.5°	979.1	1063.3	1158.7	1270.6	1395.8	1457.4	1501.5	1553.9	1559.0	1492.3	1436.9
35°	920.6	1014.0	1121.8	1239.8	1368.1	1423.5	1464.6	1496.4	1471.8	1378.4	1312.7
37.5°	868.3	960.7	1075.6	1195.7	1330.1	1384.5	1417.4	1422.5	1361.9	1279.8	1183.4
40°	810.8	906.3	1026.3	1152.6	1288.1	1335.3	1355.8	1340.4	1253.2	1157.7	1045.8
42.5°	753.3	847.8	977.1	1106.4	1234.7	1274.7	1282.9	1240.8	1134.1	1022.2	892.9
45°	690.7	789.3	918.6	1048.9	1173.1	1195.7	1196.7	1136.2	1009.9	892.9	772.8
47.5°	639.4	730.8	859.0	989.4	1094.1	1109.5	1103.3	1033.5	896.0	764.6	659.9
50°	583.0	670.2	797.5	925.8	1015.0	1019.2	1003.8	904.2	769.8	649.7	566.5
52.5°	522.4	610.7	727.7	850.8	930.9	924.7	895.0	788.2	662.0	562.4	498.8
55°	474.2	552.2	662.0	782.1	838.5	821.1	788.2	679.4	579.9	495.7	440.3
57.5°	420.8	489.6	597.3	702.0	734.9	718.4	685.6	584.0	491.6	428.0	391.0
60°	370.5	433.1	527.5	614.8	640.4	623.0	585.0	493.7	427.0	373.6	345.9
62.5°	324.3	378.7	457.7	537.8	548.1	530.6	497.8	423.9	366.4	324.3	303.8
65°	281.2	332.5	396.2	456.7	466.0	447.5	413.6	360.2	312.0	285.3	265.8
67.5°	239.1	280.2	336.6	380.8	385.9	368.5	340.7	297.6	267.9	239.1	224.8
70°	202.2	233.0	277.1	313.0	315.1	298.7	284.3	245.3	222.7	202.2	190.9
72.5°	166.3	187.8	221.7	248.4	249.4	239.1	225.8	201.2	181.7	167.3	156.0
75°	131.4	149.8	170.4	194.0	193.0	184.7	174.5	159.1	142.7	133.4	128.3
77.5°	100.6	111.9	128.3	143.7	143.7	139.6	133.4	122.1	111.9	102.6	97.5
80°	71.8	79.0	92.4	97.5	99.6	98.5	93.4	85.2	81.1	73.9	71.8
82.5°	46.2	51.3	57.5	62.6	65.7	63.6	62.6	58.5	52.3	50.3	48.2
85°	26.7	28.7	31.8	34.9	35.9	34.9	36.9	33.9	30.8	30.8	29.8
87.5°	11.3	12.3	14.4	14.4	15.4	15.4	14.4	15.4	15.4	14.4	13.3
90°	0.7	2.4	4.2	5.9	7.6	8.5	9.1	10.4	11.7	12.9	14.2
92.5°	17.8	17.2	16.6	15.9	15.3	15.0	15.2	15.7	16.2	16.6	17.1
95°	46.3	41.1	35.9	30.6	25.4	22.8	23.4	24.5	25.6	26.7	27.8
97.5°	83.3	70.3	57.3	44.4	31.4	24.9	26.2	28.7	31.2	33.8	36.3
100°	126.0	104.3	82.7	61.0	39.3	28.5	29.8	32.5	35.2	37.9	40.6
102.5°	173.1	172.8	172.4	172.1	171.8	171.6	157.2	128.4	99.6	70.8	42.0
105°	216.5	221.3	226.0	230.8	235.5	237.9	216.3	173.1	129.8	86.6	43.4
107.5°	267.1	271.1	275.0	279.0	282.9	284.9	258.2	204.9	151.6	98.2	44.9
110°	315.5	318.8	322.1	325.4	328.7	330.4	307.5	261.8	216.1	170.3	124.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	361.1	363.9	366.8	369.6	372.5	373.9	372.6	369.9	367.2	364.5	361.8
115°	409.5	412.2	414.9	417.6	420.3	421.6	423.6	427.5	431.5	435.4	439.4
117.5°	451.5	454.7	457.8	461.0	464.1	465.7	467.0	469.7	472.4	475.1	477.8
120°	498.5	500.9	503.3	505.6	508.0	509.2	510.6	513.5	516.3	519.2	522.0
122.5°	538.4	540.9	543.5	546.0	548.5	549.8	551.4	554.5	557.7	560.8	564.0
125°	579.0	581.0	583.1	585.1	587.2	588.2	589.7	592.7	595.8	598.8	601.8
127.5°	616.0	618.2	620.4	622.7	624.9	626.0	627.2	629.6	631.9	634.3	636.7
130°	650.9	653.4	656.0	658.5	661.0	662.3	663.2	664.9	666.6	668.4	670.1
132.5°	686.5	688.6	690.6	692.7	694.8	695.8	696.7	698.4	700.1	701.9	703.6
135°	716.4	718.9	721.5	724.0	726.5	727.8	728.5	729.9	731.4	732.8	734.2
137.5°	747.7	749.6	751.5	753.4	755.3	756.3	757.1	758.7	760.2	761.8	763.4
140°	778.4	779.7	780.9	782.2	783.5	784.1	785.0	786.7	788.4	790.2	791.9
142.5°	804.0	805.1	806.2	807.3	808.4	809.0	810.0	812.1	814.2	816.2	818.3
145°	831.1	830.9	830.8	830.6	830.5	830.4	831.7	834.4	837.1	839.8	842.5
147.5°	854.6	854.1	853.6	853.1	852.6	852.4	853.7	856.4	859.1	861.8	864.5
150°	877.4	876.3	875.2	874.1	873.0	872.4	873.7	876.2	878.7	881.3	883.8
152.5°	896.6	895.3	894.1	892.8	891.5	890.9	892.1	894.5	896.8	899.2	901.6
155°	915.1	913.7	912.3	910.8	909.4	908.7	909.6	911.5	913.4	915.3	917.2
157.5°	930.1	928.8	927.6	926.3	925.0	924.4	925.1	926.5	928.0	929.4	930.8
160°	942.9	941.9	941.0	940.0	939.1	938.6	939.1	940.0	941.0	941.9	942.9
162.5°	954.3	953.3	952.4	951.4	950.5	950.0	950.4	951.2	952.0	952.8	953.6
165°	964.2	963.3	962.3	961.4	960.5	960.0	960.2	960.7	961.2	961.6	962.1
167.5°	972.1	971.1	970.2	969.2	968.3	967.8	968.0	968.5	969.0	969.4	969.9
170°	978.5	977.5	976.6	975.6	974.7	974.2	974.4	974.7	975.0	975.3	975.6
172.5°	982.8	981.8	980.9	979.9	979.0	978.5	978.7	979.0	979.3	979.6	979.9
175°	986.3	985.2	984.1	983.0	981.9	981.3	981.5	981.8	982.1	982.5	982.8
177.5°	987.7	986.6	985.5	984.4	983.3	982.8	982.9	983.0	983.2	983.3	983.5
180°	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3
2.5°	1387.6	1388.6	1390.7	1400.9	1406.1	1407.1	1403.0	1412.2	1415.3	1412.2	1410.2
5°	1453.3	1459.5	1471.8	1485.1	1484.1	1485.1	1491.3	1497.4	1499.5	1491.3	1494.3
7.5°	1510.8	1523.1	1536.4	1557.0	1557.0	1567.2	1571.3	1576.5	1588.8	1582.6	1580.6
10°	1576.5	1592.9	1617.5	1650.3	1651.4	1661.6	1671.9	1688.3	1693.5	1689.4	1691.4
12.5°	1658.6	1690.4	1692.4	1728.4	1744.8	1746.8	1763.2	1760.2	1770.4	1770.4	1787.9
15°	1694.5	1743.7	1771.5	1806.4	1816.6	1804.3	1817.6	1832.0	1833.0	1833.0	1832.0
17.5°	1759.1	1778.6	1806.4	1824.8	1828.9	1828.9	1830.0	1836.1	1832.0	1823.8	1830.0
20°	1772.5	1780.7	1791.0	1788.9	1791.0	1780.7	1770.4	1760.2	1761.2	1756.1	1771.5
22.5°	1747.9	1745.8	1722.2	1706.8	1706.8	1686.3	1666.8	1657.5	1648.3	1651.4	1656.5
25°	1686.3	1654.5	1625.7	1603.1	1598.0	1565.2	1538.5	1530.3	1514.9	1527.2	1529.2
27.5°	1587.7	1551.8	1505.6	1486.1	1459.5	1446.1	1427.6	1403.0	1371.2	1389.7	1386.6
30°	1482.0	1428.7	1390.7	1343.5	1301.4	1298.3	1263.4	1222.4	1205.9	1205.9	1215.2
32.5°	1364.0	1293.2	1237.8	1171.1	1130.0	1112.5	1070.5	1029.4	1038.7	1007.9	1019.2
35°	1226.5	1133.1	1063.3	998.6	967.8	947.3	892.9	870.3	845.7	831.3	858.0
37.5°	1095.1	987.3	898.0	827.2	815.9	779.0	742.0	727.7	713.3	719.5	718.4
40°	935.0	839.5	759.5	704.1	684.6	667.1	642.5	625.0	615.8	620.9	622.0
42.5°	790.3	710.2	650.7	611.7	595.3	583.0	570.6	556.3	553.2	553.2	557.3
45°	678.4	612.7	572.7	540.9	531.6	522.4	513.2	507.0	505.0	500.9	503.9
47.5°	589.1	536.8	512.1	488.5	478.3	476.2	468.0	464.9	460.8	459.8	460.8
50°	514.2	481.4	458.8	445.4	438.2	435.2	431.1	424.9	422.9	428.0	425.9
52.5°	461.9	431.1	418.7	405.4	401.3	397.2	391.0	392.1	391.0	389.0	389.0
55°	409.5	390.0	377.7	367.4	366.4	362.3	357.2	355.1	354.1	352.0	355.1
57.5°	367.4	352.0	340.7	331.5	327.4	327.4	322.3	318.2	318.2	317.1	318.2
60°	325.3	310.0	302.8	293.5	290.5	289.4	286.3	284.3	281.2	281.2	281.2
62.5°	286.3	274.0	265.8	257.6	258.6	253.5	249.4	247.3	247.3	248.4	248.4
65°	249.4	241.2	230.9	223.7	221.7	220.7	218.6	217.6	214.5	216.6	216.6
67.5°	215.5	204.2	198.1	195.0	191.9	190.9	188.8	186.8	185.8	184.7	186.8
70°	181.7	172.4	167.3	165.2	162.2	161.1	160.1	157.0	158.1	159.1	160.1
72.5°	150.9	142.7	141.6	135.5	135.5	135.5	131.4	133.4	132.4	130.3	132.4
75°	119.1	114.9	112.9	109.8	110.8	109.8	108.8	105.7	105.7	106.7	107.8
77.5°	94.4	90.3	89.3	86.2	84.2	86.2	84.2	83.1	83.1	84.2	84.2
80°	69.8	67.7	64.7	64.7	64.7	63.6	63.6	63.6	62.6	61.6	62.6
82.5°	46.2	46.2	45.2	44.1	45.2	43.1	44.1	44.1	44.1	44.1	44.1
85°	29.8	28.7	28.7	27.7	27.7	27.7	28.7	26.7	26.7	27.7	27.7
87.5°	13.3	13.3	13.3	14.4	13.3	13.3	13.3	14.4	13.3	13.3	13.3
90°	15.0	15.8	16.6	17.4	17.8	18.0	18.3	18.6	18.9	19.2	18.9
92.5°	17.4	17.7	18.0	18.3	18.5	18.6	18.7	18.9	19.0	19.2	19.0
95°	28.6	29.4	30.1	30.9	31.3	31.2	31.1	30.9	30.8	30.6	30.8
97.5°	36.8	37.3	37.8	38.3	38.5	38.6	38.7	38.9	39.0	39.2	39.0
100°	41.9	43.1	44.4	45.7	46.3	46.5	46.8	47.1	47.4	47.7	47.4
102.5°	43.7	45.5	47.2	48.9	49.8	50.0	50.5	51.0	51.5	52.0	51.5
105°	45.2	46.9	48.7	50.4	51.3	51.6	52.2	52.9	53.5	54.1	53.5
107.5°	46.6	48.4	50.1	51.8	52.7	53.0	53.6	54.3	54.9	55.5	54.9
110°	108.8	93.0	77.1	61.3	53.4	53.7	54.4	55.0	55.7	56.3	55.7

TEST NUMBER: P1029691

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	293.6	225.4	157.1	88.9	54.8	55.0	55.5	56.0	56.5	57.0	56.5
115°	366.1	292.9	219.6	146.3	109.7	104.0	92.6	81.2	69.8	58.4	69.8
117.5°	455.2	432.6	409.9	387.3	376.0	355.3	313.8	272.3	230.9	189.4	230.9
120°	523.9	525.8	527.7	529.6	530.5	519.8	498.5	477.1	455.8	434.4	455.8
122.5°	565.0	565.9	566.9	567.8	568.3	568.4	568.5	568.7	568.8	569.0	568.8
125°	602.9	604.0	605.1	606.2	606.7	606.9	607.4	607.9	608.4	608.9	608.4
127.5°	638.3	639.9	641.4	643.0	643.8	643.9	644.0	644.2	644.3	644.5	644.3
130°	671.9	673.6	675.4	677.1	678.0	677.9	677.7	677.6	677.4	677.2	677.4
132.5°	705.0	706.4	707.9	709.3	710.0	709.9	709.8	709.6	709.5	709.3	709.5
135°	735.8	737.4	738.9	740.5	741.3	741.1	740.8	740.5	740.2	739.9	740.2
137.5°	765.0	766.6	768.1	769.7	770.5	770.3	769.8	769.3	768.9	768.4	768.9
140°	793.3	794.7	796.2	797.6	798.3	797.9	797.1	796.3	795.5	794.7	795.5
142.5°	819.5	820.8	822.0	823.3	823.9	823.5	822.7	822.0	821.2	820.4	821.2
145°	843.6	844.7	845.8	846.9	847.4	847.0	846.2	845.5	844.7	843.9	844.7
147.5°	865.3	866.1	866.9	867.7	868.1	867.8	867.2	866.5	865.9	865.3	865.9
150°	884.7	885.7	886.6	887.5	888.0	887.6	886.8	886.1	885.3	884.5	885.3
152.5°	902.5	903.5	904.4	905.3	905.8	905.3	904.2	903.1	902.0	900.9	902.0
155°	918.2	919.1	920.1	921.0	921.5	920.9	919.6	918.3	917.1	915.8	917.1
157.5°	931.9	933.0	934.1	935.2	935.8	935.2	933.9	932.6	931.4	930.1	931.4
160°	943.8	944.8	945.7	946.6	947.1	946.6	945.5	944.4	943.3	942.2	943.3
162.5°	954.7	955.8	956.9	958.0	958.5	957.8	956.4	954.9	953.5	952.1	953.5
165°	963.2	964.3	965.4	966.5	967.1	966.5	965.4	964.3	963.2	962.1	963.2
167.5°	971.0	972.1	973.2	974.3	974.9	974.2	972.8	971.3	969.9	968.5	969.9
170°	976.7	977.8	978.9	980.0	980.6	979.9	978.5	977.0	975.6	974.2	975.6
172.5°	981.0	982.1	983.2	984.3	984.9	984.2	982.8	981.3	979.9	978.5	979.9
175°	983.9	985.0	986.1	987.2	987.7	986.9	985.3	983.8	982.2	980.6	982.2
177.5°	984.6	985.7	986.8	987.9	988.5	987.8	986.3	984.9	983.4	982.0	983.4
180°	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3
2.5°	1415.3	1408.1	1402.0	1403.0	1408.1	1404.0	1393.8	1380.4	1375.3	1369.1	1375.3
5°	1500.5	1494.3	1482.0	1483.1	1480.0	1475.9	1459.5	1438.9	1438.9	1422.5	1420.5
7.5°	1584.7	1575.4	1567.2	1565.2	1553.9	1545.7	1531.3	1502.6	1491.3	1471.8	1460.5
10°	1679.1	1671.9	1662.7	1651.4	1645.2	1630.8	1607.2	1565.2	1544.6	1518.0	1498.5
12.5°	1774.5	1773.5	1753.0	1730.4	1729.4	1706.8	1690.4	1633.9	1606.2	1570.3	1524.1
15°	1835.1	1830.0	1818.7	1807.4	1810.5	1785.8	1748.9	1682.2	1663.7	1620.6	1571.3
17.5°	1834.1	1834.1	1831.0	1828.9	1825.9	1818.7	1798.1	1754.0	1724.2	1669.9	1623.7
20°	1775.6	1788.9	1792.0	1791.0	1801.2	1806.4	1805.3	1777.6	1754.0	1705.8	1658.6
22.5°	1658.6	1689.4	1702.7	1710.9	1732.5	1743.7	1770.4	1760.2	1754.0	1718.1	1678.1
25°	1549.8	1560.0	1600.1	1602.1	1631.9	1659.6	1686.3	1703.7	1726.3	1713.0	1679.1
27.5°	1409.2	1432.8	1461.5	1483.1	1489.2	1545.7	1589.8	1622.6	1674.0	1678.1	1666.8
30°	1250.1	1261.4	1308.6	1337.3	1370.2	1411.2	1474.8	1531.3	1577.5	1619.6	1633.9
32.5°	1056.1	1102.3	1130.0	1164.9	1193.6	1266.5	1344.5	1417.4	1470.7	1541.6	1572.3
35°	878.5	914.5	961.7	976.0	1028.4	1090.0	1191.6	1285.0	1366.1	1437.9	1500.5
37.5°	731.8	760.5	810.8	833.4	864.2	943.2	1028.4	1144.4	1241.9	1330.1	1408.1
40°	631.2	652.8	690.7	697.9	723.6	795.4	864.2	973.0	1102.3	1221.3	1306.5
42.5°	562.4	572.7	598.4	607.6	624.0	672.3	733.8	836.5	956.5	1079.7	1199.8
45°	513.2	520.4	535.7	544.0	564.5	586.0	636.3	718.4	812.9	937.0	1066.4
47.5°	469.0	478.3	484.4	489.6	500.9	524.5	557.3	617.9	708.2	822.1	947.3
50°	432.1	435.2	446.5	447.5	454.7	470.1	500.9	537.8	609.6	702.0	823.1
52.5°	395.1	398.2	405.4	412.6	415.7	428.0	448.5	479.3	532.7	605.5	713.3
55°	358.2	362.3	369.5	374.6	377.7	388.0	400.3	430.0	472.1	523.4	611.7
57.5°	321.2	330.5	332.5	335.6	340.7	352.0	363.3	380.8	413.6	460.8	525.5
60°	286.3	289.4	296.6	299.7	304.8	311.0	325.3	338.7	362.3	399.2	457.7
62.5°	250.4	257.6	260.7	263.8	267.9	275.1	284.3	298.7	319.2	349.0	395.1
65°	219.6	220.7	226.8	230.9	235.0	240.2	249.4	262.7	275.1	302.8	336.6
67.5°	189.9	191.9	194.0	198.1	203.2	208.3	216.6	223.7	239.1	257.6	284.3
70°	161.1	161.1	166.3	169.3	168.3	174.5	180.6	188.8	200.1	217.6	239.1
72.5°	135.5	134.5	138.6	139.6	141.6	145.7	149.8	158.1	164.2	177.6	194.0
75°	107.8	109.8	111.9	111.9	114.9	118.0	122.1	126.2	133.4	141.6	154.0
77.5°	85.2	85.2	87.2	88.3	91.3	90.3	94.4	98.5	103.7	110.8	120.1
80°	62.6	64.7	64.7	64.7	65.7	66.7	70.8	73.9	77.0	82.1	86.2
82.5°	44.1	44.1	46.2	46.2	46.2	48.2	48.2	49.3	51.3	54.4	57.5
85°	27.7	27.7	27.7	28.7	27.7	28.7	30.8	29.8	30.8	32.8	32.8
87.5°	13.3	13.3	13.3	13.3	13.3	14.4	13.3	14.4	15.4	15.4	15.4
90°	18.6	18.3	18.0	17.8	17.4	16.6	15.8	15.0	14.2	12.9	11.7
92.5°	18.9	18.7	18.6	18.5	18.3	18.0	17.7	17.4	17.1	16.6	16.2
95°	30.9	31.1	31.2	31.3	30.9	30.1	29.4	28.6	27.8	26.7	25.6
97.5°	38.9	38.7	38.6	38.5	38.3	37.8	37.3	36.8	36.3	33.8	31.2
100°	47.1	46.8	46.5	46.3	45.7	44.4	43.1	41.9	40.6	37.9	35.2
102.5°	51.0	50.5	50.0	49.8	48.9	47.2	45.5	43.7	42.0	70.8	99.6
105°	52.9	52.2	51.6	51.3	50.4	48.7	46.9	45.2	43.4	86.6	129.8
107.5°	54.3	53.6	53.0	52.7	51.8	50.1	48.4	46.6	44.9	98.2	151.6
110°	55.0	54.4	53.7	53.4	61.3	77.1	93.0	108.8	124.6	170.3	216.1

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	56.0	55.5	55.0	54.8	88.9	157.1	225.4	293.6	361.8	364.5	367.2
115°	81.2	92.6	104.0	109.7	146.3	219.6	292.9	366.1	439.4	435.4	431.5
117.5°	272.3	313.8	355.3	376.0	387.3	409.9	432.6	455.2	477.8	475.1	472.4
120°	477.1	498.5	519.8	530.5	529.6	527.7	525.8	523.9	522.0	519.2	516.3
122.5°	568.7	568.5	568.4	568.3	567.8	566.9	565.9	565.0	564.0	560.8	557.7
125°	607.9	607.4	606.9	606.7	606.2	605.1	604.0	602.9	601.8	598.8	595.8
127.5°	644.2	644.0	643.9	643.8	643.0	641.4	639.9	638.3	636.7	634.3	631.9
130°	677.6	677.7	677.9	678.0	677.1	675.4	673.6	671.9	670.1	668.4	666.6
132.5°	709.6	709.8	709.9	710.0	709.3	707.9	706.4	705.0	703.6	701.9	700.1
135°	740.5	740.8	741.1	741.3	740.5	738.9	737.4	735.8	734.2	732.8	731.4
137.5°	769.3	769.8	770.3	770.5	769.7	768.1	766.6	765.0	763.4	761.8	760.2
140°	796.3	797.1	797.9	798.3	797.6	796.2	794.7	793.3	791.9	790.2	788.4
142.5°	822.0	822.7	823.5	823.9	823.3	822.0	820.8	819.5	818.3	816.2	814.2
145°	845.5	846.2	847.0	847.4	846.9	845.8	844.7	843.6	842.5	839.8	837.1
147.5°	866.5	867.2	867.8	868.1	867.7	866.9	866.1	865.3	864.5	861.8	859.1
150°	886.1	886.8	887.6	888.0	887.5	886.6	885.7	884.7	883.8	881.3	878.7
152.5°	903.1	904.2	905.3	905.8	905.3	904.4	903.5	902.5	901.6	899.2	896.8
155°	918.3	919.6	920.9	921.5	921.0	920.1	919.1	918.2	917.2	915.3	913.4
157.5°	932.6	933.9	935.2	935.8	935.2	934.1	933.0	931.9	930.8	929.4	928.0
160°	944.4	945.5	946.6	947.1	946.6	945.7	944.8	943.8	942.9	941.9	941.0
162.5°	954.9	956.4	957.8	958.5	958.0	956.9	955.8	954.7	953.6	952.8	952.0
165°	964.3	965.4	966.5	967.1	966.5	965.4	964.3	963.2	962.1	961.6	961.2
167.5°	971.3	972.8	974.2	974.9	974.3	973.2	972.1	971.0	969.9	969.4	969.0
170°	977.0	978.5	979.9	980.6	980.0	978.9	977.8	976.7	975.6	975.3	975.0
172.5°	981.3	982.8	984.2	984.9	984.3	983.2	982.1	981.0	979.9	979.6	979.3
175°	983.8	985.3	986.9	987.7	987.2	986.1	985.0	983.9	982.8	982.5	982.1
177.5°	984.9	986.3	987.8	988.5	987.9	986.8	985.7	984.6	983.5	983.3	983.2
180°	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3
2.5°	1370.2	1365.0	1361.9	1364.0	1357.8	1342.4	1342.4	1347.6	1341.4	1335.3	1326.0
5°	1408.1	1397.9	1391.7	1390.7	1376.3	1351.7	1346.6	1341.4	1328.1	1313.7	1298.3
7.5°	1445.1	1426.6	1416.3	1409.2	1388.6	1356.8	1343.5	1332.2	1310.6	1289.1	1269.6
10°	1475.9	1449.2	1436.9	1425.6	1398.9	1358.9	1337.3	1316.8	1289.1	1261.4	1236.7
12.5°	1500.5	1469.7	1454.3	1437.9	1405.1	1352.7	1326.0	1293.2	1265.5	1228.5	1203.9
15°	1541.6	1477.9	1463.6	1448.2	1414.3	1342.4	1309.6	1272.7	1234.7	1185.4	1158.7
17.5°	1574.4	1489.2	1488.2	1455.3	1411.2	1338.3	1288.1	1239.8	1198.8	1149.5	1107.4
20°	1593.9	1506.7	1490.2	1456.4	1400.9	1310.6	1258.3	1204.9	1160.8	1101.3	1059.2
22.5°	1610.3	1531.3	1488.2	1447.1	1379.4	1301.4	1224.4	1174.1	1113.6	1048.9	1008.9
25°	1616.5	1536.4	1491.3	1444.1	1364.0	1274.7	1187.5	1133.1	1065.3	1006.8	952.4
27.5°	1617.5	1535.4	1480.0	1430.7	1342.4	1239.8	1150.5	1093.0	1018.1	950.4	896.0
30°	1607.2	1524.1	1473.8	1420.5	1321.9	1208.0	1105.4	1041.7	961.7	893.9	837.5
32.5°	1576.5	1501.5	1460.5	1402.0	1295.2	1163.9	1062.3	991.4	907.3	840.6	786.2
35°	1525.1	1473.8	1428.7	1374.3	1260.3	1122.8	1019.2	936.0	850.8	787.2	735.9
37.5°	1461.5	1433.8	1391.7	1338.3	1220.3	1085.9	970.9	878.5	793.4	731.8	681.5
40°	1375.3	1382.5	1341.4	1293.2	1173.1	1035.6	908.3	820.0	740.0	682.5	633.2
42.5°	1281.9	1311.7	1288.1	1241.9	1120.8	980.2	862.1	764.6	686.6	627.1	586.0
45°	1181.3	1232.6	1218.3	1184.4	1066.4	921.7	796.4	702.0	633.2	575.8	539.9
47.5°	1071.5	1144.4	1144.4	1119.7	1005.8	863.1	740.0	643.5	575.8	534.7	499.8
50°	959.6	1041.7	1055.1	1038.7	938.1	796.4	671.2	584.0	525.5	485.5	459.8
52.5°	842.6	938.1	962.7	954.5	866.2	732.8	614.8	529.6	476.2	441.3	418.7
55°	730.8	841.6	868.3	871.4	789.3	663.0	552.2	477.2	425.9	402.3	382.8
57.5°	625.0	731.8	761.5	766.7	711.3	599.4	493.7	428.0	381.8	362.3	346.9
60°	534.7	624.0	663.0	674.3	626.1	525.5	439.3	375.6	340.7	322.3	307.9
62.5°	460.8	532.7	573.7	576.8	555.2	460.8	382.8	329.5	299.7	283.3	276.1
65°	389.0	453.6	478.3	490.6	473.1	399.2	330.5	286.3	262.7	248.4	241.2
67.5°	331.5	372.6	393.1	409.5	392.1	336.6	281.2	245.3	227.8	213.5	209.4
70°	272.0	305.8	321.2	337.7	322.3	280.2	240.2	207.3	191.9	180.6	175.5
72.5°	217.6	244.3	258.6	268.9	259.7	224.8	191.9	169.3	158.1	149.8	146.8
75°	172.4	190.9	199.1	206.3	202.2	175.5	155.0	136.5	126.2	119.1	117.0
77.5°	131.4	144.7	154.0	156.0	150.9	133.4	116.0	104.7	96.5	92.4	90.3
80°	93.4	101.6	106.7	109.8	104.7	97.5	85.2	77.0	69.8	64.7	63.6
82.5°	62.6	66.7	70.8	69.8	67.7	61.6	54.4	50.3	47.2	43.1	43.1
85°	35.9	36.9	39.0	40.0	39.0	34.9	30.8	28.7	26.7	23.6	23.6
87.5°	15.4	16.4	16.4	17.4	15.4	15.4	13.3	11.3	11.3	10.3	9.2
90°	10.4	9.1	8.5	7.6	5.9	4.2	2.4	0.7	2.4	4.2	5.9
92.5°	15.7	15.2	15.0	15.3	15.9	16.6	17.2	17.8	17.2	16.6	15.9
95°	24.5	23.4	22.8	25.4	30.6	35.9	41.1	46.3	41.1	35.9	30.6
97.5°	28.7	26.2	24.9	31.4	44.4	57.3	70.3	83.3	70.3	57.3	44.4
100°	32.5	29.8	28.5	39.3	61.0	82.7	104.3	126.0	104.3	82.7	61.0
102.5°	128.4	157.2	171.6	171.8	172.1	172.4	172.8	173.1	172.8	172.4	172.1
105°	173.1	216.3	237.9	235.5	230.8	226.0	221.3	216.5	221.3	226.0	230.8
107.5°	204.9	258.2	284.9	282.9	279.0	275.0	271.1	267.1	271.1	275.0	279.0
110°	261.8	307.5	330.4	328.7	325.4	322.1	318.8	315.5	318.8	322.1	325.4

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CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	369.9	372.6	373.9	372.5	369.6	366.8	363.9	361.1	363.9	366.8	369.6
115°	427.5	423.6	421.6	420.3	417.6	414.9	412.2	409.5	412.2	414.9	417.6
117.5°	469.7	467.0	465.7	464.1	461.0	457.8	454.7	451.5	454.7	457.8	461.0
120°	513.5	510.6	509.2	508.0	505.6	503.3	500.9	498.5	500.9	503.3	505.6
122.5°	554.5	551.4	549.8	548.5	546.0	543.5	540.9	538.4	540.9	543.5	546.0
125°	592.7	589.7	588.2	587.2	585.1	583.1	581.0	579.0	581.0	583.1	585.1
127.5°	629.6	627.2	626.0	624.9	622.7	620.4	618.2	616.0	618.2	620.4	622.7
130°	664.9	663.2	662.3	661.0	658.5	656.0	653.4	650.9	653.4	656.0	658.5
132.5°	698.4	696.7	695.8	694.8	692.7	690.6	688.6	686.5	688.6	690.6	692.7
135°	729.9	728.5	727.8	726.5	724.0	721.5	718.9	716.4	718.9	721.5	724.0
137.5°	758.7	757.1	756.3	755.3	753.4	751.5	749.6	747.7	749.6	751.5	753.4
140°	786.7	785.0	784.1	783.5	782.2	780.9	779.7	778.4	779.7	780.9	782.2
142.5°	812.1	810.0	809.0	808.4	807.3	806.2	805.1	804.0	805.1	806.2	807.3
145°	834.4	831.7	830.4	830.5	830.6	830.8	830.9	831.1	830.9	830.8	830.6
147.5°	856.4	853.7	852.4	852.6	853.1	853.6	854.1	854.6	854.1	853.6	853.1
150°	876.2	873.7	872.4	873.0	874.1	875.2	876.3	877.4	876.3	875.2	874.1
152.5°	894.5	892.1	890.9	891.5	892.8	894.1	895.3	896.6	895.3	894.1	892.8
155°	911.5	909.6	908.7	909.4	910.8	912.3	913.7	915.1	913.7	912.3	910.8
157.5°	926.5	925.1	924.4	925.0	926.3	927.6	928.8	930.1	928.8	927.6	926.3
160°	940.0	939.1	938.6	939.1	940.0	941.0	941.9	942.9	941.9	941.0	940.0
162.5°	951.2	950.4	950.0	950.5	951.4	952.4	953.3	954.3	953.3	952.4	951.4
165°	960.7	960.2	960.0	960.5	961.4	962.3	963.3	964.2	963.3	962.3	961.4
167.5°	968.5	968.0	967.8	968.3	969.2	970.2	971.1	972.1	971.1	970.2	969.2
170°	974.7	974.4	974.2	974.7	975.6	976.6	977.5	978.5	977.5	976.6	975.6
172.5°	979.0	978.7	978.5	979.0	979.9	980.9	981.8	982.8	981.8	980.9	979.9
175°	981.8	981.5	981.3	981.9	983.0	984.1	985.2	986.3	985.2	984.1	983.0
177.5°	983.0	982.9	982.8	983.3	984.4	985.5	986.6	987.7	986.6	985.5	984.4
180°	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2

TEST NUMBER: P1029691

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3
2.5°	1320.9	1326.0	1325.0	1314.7	1303.4	1294.2	1276.8	1278.8	1272.7	1273.7	1279.8
5°	1288.1	1288.1	1283.9	1269.6	1251.1	1240.8	1221.3	1216.2	1203.9	1202.9	1201.8
7.5°	1253.2	1248.0	1242.9	1222.4	1199.8	1183.4	1156.7	1150.5	1138.2	1130.0	1125.9
10°	1212.1	1204.9	1194.7	1171.1	1143.3	1122.8	1095.1	1086.9	1063.3	1053.0	1046.9
12.5°	1166.9	1162.8	1146.4	1126.9	1081.8	1059.2	1019.2	1027.4	1003.8	983.2	980.2
15°	1121.8	1106.4	1097.2	1065.3	1010.9	1000.7	968.9	952.4	930.9	914.5	914.5
17.5°	1077.7	1054.0	1033.5	999.7	959.6	930.9	907.3	899.1	872.4	856.0	852.9
20°	1019.2	992.5	987.3	939.1	911.4	879.6	857.0	836.5	817.0	809.8	804.6
22.5°	963.7	932.9	924.7	883.7	856.0	824.1	801.6	787.2	772.8	767.7	758.5
25°	904.2	885.7	873.4	829.3	798.5	768.7	753.3	743.1	729.7	728.7	722.5
27.5°	846.7	829.3	817.0	774.9	752.3	724.6	712.3	701.0	693.8	690.7	687.6
30°	797.5	778.0	763.6	732.8	705.1	682.5	672.3	665.1	661.0	655.8	654.8
32.5°	743.1	731.8	712.3	688.7	667.1	645.6	639.4	634.3	628.1	626.1	625.0
35°	696.9	681.5	669.2	642.5	633.2	614.8	607.6	603.5	595.3	593.2	591.2
37.5°	651.7	637.4	624.0	607.6	590.1	579.9	575.8	569.6	565.5	566.5	564.5
40°	606.6	595.3	585.0	567.6	557.3	552.2	544.0	537.8	535.7	536.8	535.7
42.5°	562.4	552.2	546.0	532.7	522.4	517.3	512.1	506.0	509.1	509.1	512.1
45°	522.4	513.2	509.1	498.8	492.6	484.4	479.3	478.3	482.4	481.4	481.4
47.5°	481.4	478.3	473.1	463.9	455.7	450.6	449.5	449.5	453.6	455.7	454.7
50°	449.5	443.4	437.2	430.0	423.9	421.8	418.7	420.8	424.9	424.9	427.0
52.5°	409.5	405.4	403.4	397.2	393.1	393.1	393.1	394.1	397.2	400.3	399.2
55°	374.6	371.5	369.5	366.4	361.3	362.3	361.3	363.3	366.4	369.5	371.5
57.5°	337.7	336.6	334.6	329.5	329.5	328.4	331.5	332.5	337.7	339.7	342.8
60°	304.8	301.7	301.7	297.6	297.6	297.6	300.7	303.8	307.9	308.9	311.0
62.5°	269.9	269.9	268.9	265.8	265.8	268.9	269.9	274.0	276.1	276.1	279.2
65°	237.1	236.1	235.0	236.1	237.1	237.1	240.2	242.2	244.3	245.3	246.3
67.5°	204.2	203.2	205.3	204.2	206.3	210.4	209.4	212.5	215.5	215.5	216.6
70°	173.5	175.5	174.5	176.5	175.5	177.6	180.6	181.7	181.7	182.7	185.8
72.5°	144.7	144.7	144.7	143.7	144.7	146.8	148.8	149.8	151.9	152.9	156.0
75°	117.0	117.0	114.9	117.0	117.0	119.1	121.1	121.1	121.1	123.2	126.2
77.5°	88.3	89.3	88.3	90.3	90.3	91.3	93.4	92.4	94.4	95.4	96.5
80°	64.7	63.6	63.6	63.6	64.7	64.7	66.7	67.7	67.7	70.8	68.8
82.5°	41.1	42.1	41.1	42.1	42.1	43.1	42.1	43.1	44.1	46.2	45.2
85°	23.6	22.6	22.6	23.6	22.6	22.6	23.6	22.6	23.6	22.6	23.6
87.5°	9.2	8.2	8.2	8.2	8.2	7.2	7.2	6.2	6.2	6.2	5.1
90°	7.6	8.5	9.1	10.4	11.7	12.9	14.2	15.0	15.8	16.6	17.4
92.5°	15.3	15.0	15.2	15.7	16.2	16.6	17.1	17.4	17.7	18.0	18.3
95°	25.4	22.8	23.4	24.5	25.6	26.7	27.8	28.6	29.4	30.1	30.9
97.5°	31.4	24.9	26.2	28.7	31.2	33.8	36.3	36.8	37.3	37.8	38.3
100°	39.3	28.5	29.8	32.5	35.2	37.9	40.6	41.9	43.1	44.4	45.7
102.5°	171.8	171.6	157.2	128.4	99.6	70.8	42.0	43.7	45.5	47.2	48.9
105°	235.5	237.9	216.3	173.1	129.8	86.6	43.4	45.2	46.9	48.7	50.4
107.5°	282.9	284.9	258.2	204.9	151.6	98.2	44.9	46.6	48.4	50.1	51.8
110°	328.7	330.4	307.5	261.8	216.1	170.3	124.6	108.8	93.0	77.1	61.3

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CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	372.5	373.9	372.6	369.9	367.2	364.5	361.8	293.6	225.4	157.1	88.9
115°	420.3	421.6	423.6	427.5	431.5	435.4	439.4	366.1	292.9	219.6	146.3
117.5°	464.1	465.7	467.0	469.7	472.4	475.1	477.8	455.2	432.6	409.9	387.3
120°	508.0	509.2	510.6	513.5	516.3	519.2	522.0	523.9	525.8	527.7	529.6
122.5°	548.5	549.8	551.4	554.5	557.7	560.8	564.0	565.0	565.9	566.9	567.8
125°	587.2	588.2	589.7	592.7	595.8	598.8	601.8	602.9	604.0	605.1	606.2
127.5°	624.9	626.0	627.2	629.6	631.9	634.3	636.7	638.3	639.9	641.4	643.0
130°	661.0	662.3	663.2	664.9	666.6	668.4	670.1	671.9	673.6	675.4	677.1
132.5°	694.8	695.8	696.7	698.4	700.1	701.9	703.6	705.0	706.4	707.9	709.3
135°	726.5	727.8	728.5	729.9	731.4	732.8	734.2	735.8	737.4	738.9	740.5
137.5°	755.3	756.3	757.1	758.7	760.2	761.8	763.4	765.0	766.6	768.1	769.7
140°	783.5	784.1	785.0	786.7	788.4	790.2	791.9	793.3	794.7	796.2	797.6
142.5°	808.4	809.0	810.0	812.1	814.2	816.2	818.3	819.5	820.8	822.0	823.3
145°	830.5	830.4	831.7	834.4	837.1	839.8	842.5	843.6	844.7	845.8	846.9
147.5°	852.6	852.4	853.7	856.4	859.1	861.8	864.5	865.3	866.1	866.9	867.7
150°	873.0	872.4	873.7	876.2	878.7	881.3	883.8	884.7	885.7	886.6	887.5
152.5°	891.5	890.9	892.1	894.5	896.8	899.2	901.6	902.5	903.5	904.4	905.3
155°	909.4	908.7	909.6	911.5	913.4	915.3	917.2	918.2	919.1	920.1	921.0
157.5°	925.0	924.4	925.1	926.5	928.0	929.4	930.8	931.9	933.0	934.1	935.2
160°	939.1	938.6	939.1	940.0	941.0	941.9	942.9	943.8	944.8	945.7	946.6
162.5°	950.5	950.0	950.4	951.2	952.0	952.8	953.6	954.7	955.8	956.9	958.0
165°	960.5	960.0	960.2	960.7	961.2	961.6	962.1	963.2	964.3	965.4	966.5
167.5°	968.3	967.8	968.0	968.5	969.0	969.4	969.9	971.0	972.1	973.2	974.3
170°	974.7	974.2	974.4	974.7	975.0	975.3	975.6	976.7	977.8	978.9	980.0
172.5°	979.0	978.5	978.7	979.0	979.3	979.6	979.9	981.0	982.1	983.2	984.3
175°	981.9	981.3	981.5	981.8	982.1	982.5	982.8	983.9	985.0	986.1	987.2
177.5°	983.3	982.8	982.9	983.0	983.2	983.3	983.5	984.6	985.7	986.8	987.9
180°	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2

TEST NUMBER: P1029691

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3
2.5°	1272.7	1275.7	1268.6	1266.5	1268.6	1261.4	1263.4	1265.5	1265.5	1268.6	1270.6
5°	1198.8	1194.7	1187.5	1185.4	1183.4	1186.4	1184.4	1187.5	1188.5	1195.7	1196.7
7.5°	1125.9	1119.7	1113.6	1107.4	1105.4	1100.2	1105.4	1105.4	1112.5	1110.5	1115.6
10°	1039.7	1038.7	1030.4	1027.4	1023.3	1015.0	1026.3	1023.3	1028.4	1037.6	1039.7
12.5°	976.0	964.8	969.9	955.5	960.7	952.4	953.5	953.5	961.7	962.7	960.7
15°	915.5	906.3	892.9	886.8	883.7	879.6	892.9	893.9	887.8	902.2	897.0
17.5°	853.9	853.9	841.6	838.5	830.3	834.4	832.4	833.4	831.3	841.6	846.7
20°	800.5	795.4	791.3	792.3	782.1	780.0	778.0	780.0	787.2	794.4	796.4
22.5°	757.4	754.4	744.1	746.1	737.9	741.0	739.0	744.1	745.1	745.1	752.3
25°	716.4	712.3	713.3	709.2	706.1	706.1	703.0	706.1	710.2	712.3	713.3
27.5°	685.6	682.5	677.4	674.3	676.4	671.2	675.3	678.4	678.4	676.4	678.4
30°	648.6	650.7	650.7	640.4	644.5	642.5	645.6	647.6	647.6	648.6	646.6
32.5°	624.0	617.9	616.8	615.8	615.8	611.7	611.7	614.8	615.8	616.8	619.9
35°	591.2	591.2	586.0	589.1	585.0	586.0	585.0	586.0	588.1	585.0	588.1
37.5°	561.4	562.4	560.4	562.4	563.5	561.4	559.4	563.5	561.4	561.4	559.4
40°	535.7	534.7	535.7	535.7	535.7	536.8	534.7	534.7	534.7	532.7	530.6
42.5°	514.2	508.0	510.1	511.1	508.0	508.0	509.1	508.0	511.1	505.0	505.0
45°	483.4	481.4	482.4	482.4	484.4	481.4	483.4	484.4	481.4	480.3	478.3
47.5°	455.7	457.7	455.7	457.7	457.7	459.8	455.7	456.7	457.7	453.6	450.6
50°	428.0	428.0	431.1	430.0	431.1	429.0	429.0	428.0	429.0	427.0	423.9
52.5°	402.3	399.2	404.4	403.4	402.3	401.3	400.3	401.3	399.2	397.2	397.2
55°	370.5	370.5	373.6	374.6	374.6	372.6	370.5	371.5	370.5	369.5	368.5
57.5°	344.8	340.7	342.8	343.8	343.8	340.7	342.8	340.7	340.7	341.8	338.7
60°	312.0	312.0	310.0	313.0	313.0	311.0	311.0	312.0	310.0	308.9	307.9
62.5°	277.1	278.1	281.2	282.2	283.3	281.2	279.2	280.2	280.2	277.1	278.1
65°	247.3	249.4	253.5	252.5	250.4	251.5	249.4	250.4	247.3	248.4	245.3
67.5°	218.6	217.6	218.6	218.6	220.7	219.6	217.6	217.6	216.6	219.6	216.6
70°	187.8	187.8	187.8	187.8	188.8	189.9	187.8	185.8	186.8	184.7	183.7
72.5°	156.0	157.0	156.0	158.1	155.0	157.0	157.0	156.0	155.0	155.0	155.0
75°	126.2	128.3	125.2	126.2	125.2	127.3	126.2	126.2	124.2	123.2	124.2
77.5°	96.5	97.5	95.4	96.5	95.4	96.5	96.5	95.4	95.4	95.4	95.4
80°	68.8	69.8	68.8	67.7	66.7	68.8	66.7	67.7	68.8	67.7	69.8
82.5°	44.1	44.1	43.1	44.1	42.1	42.1	43.1	43.1	42.1	44.1	42.1
85°	21.6	21.6	23.6	21.6	20.5	20.5	20.5	21.6	20.5	22.6	21.6
87.5°	5.1	4.1	5.1	5.1	4.1	4.1	5.1	4.1	5.1	6.2	4.1
90°	17.8	18.0	18.3	18.6	18.9	19.2	18.9	18.6	18.3	18.0	17.8
92.5°	18.5	18.6	18.7	18.9	19.0	19.2	19.0	18.9	18.7	18.6	18.5
95°	31.3	31.2	31.1	30.9	30.8	30.6	30.8	30.9	31.1	31.2	31.3
97.5°	38.5	38.6	38.7	38.9	39.0	39.2	39.0	38.9	38.7	38.6	38.5
100°	46.3	46.5	46.8	47.1	47.4	47.7	47.4	47.1	46.8	46.5	46.3
102.5°	49.8	50.0	50.5	51.0	51.5	52.0	51.5	51.0	50.5	50.0	49.8
105°	51.3	51.6	52.2	52.9	53.5	54.1	53.5	52.9	52.2	51.6	51.3
107.5°	52.7	53.0	53.6	54.3	54.9	55.5	54.9	54.3	53.6	53.0	52.7
110°	53.4	53.7	54.4	55.0	55.7	56.3	55.7	55.0	54.4	53.7	53.4

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	54.8	55.0	55.5	56.0	56.5	57.0	56.5	56.0	55.5	55.0	54.8
115°	109.7	104.0	92.6	81.2	69.8	58.4	69.8	81.2	92.6	104.0	109.7
117.5°	376.0	355.3	313.8	272.3	230.9	189.4	230.9	272.3	313.8	355.3	376.0
120°	530.5	519.8	498.5	477.1	455.8	434.4	455.8	477.1	498.5	519.8	530.5
122.5°	568.3	568.4	568.5	568.7	568.8	569.0	568.8	568.7	568.5	568.4	568.3
125°	606.7	606.9	607.4	607.9	608.4	608.9	608.4	607.9	607.4	606.9	606.7
127.5°	643.8	643.9	644.0	644.2	644.3	644.5	644.3	644.2	644.0	643.9	643.8
130°	678.0	677.9	677.7	677.6	677.4	677.2	677.4	677.6	677.7	677.9	678.0
132.5°	710.0	709.9	709.8	709.6	709.5	709.3	709.5	709.6	709.8	709.9	710.0
135°	741.3	741.1	740.8	740.5	740.2	739.9	740.2	740.5	740.8	741.1	741.3
137.5°	770.5	770.3	769.8	769.3	768.9	768.4	768.9	769.3	769.8	770.3	770.5
140°	798.3	797.9	797.1	796.3	795.5	794.7	795.5	796.3	797.1	797.9	798.3
142.5°	823.9	823.5	822.7	822.0	821.2	820.4	821.2	822.0	822.7	823.5	823.9
145°	847.4	847.0	846.2	845.5	844.7	843.9	844.7	845.5	846.2	847.0	847.4
147.5°	868.1	867.8	867.2	866.5	865.9	865.3	865.9	866.5	867.2	867.8	868.1
150°	888.0	887.6	886.8	886.1	885.3	884.5	885.3	886.1	886.8	887.6	888.0
152.5°	905.8	905.3	904.2	903.1	902.0	900.9	902.0	903.1	904.2	905.3	905.8
155°	921.5	920.9	919.6	918.3	917.1	915.8	917.1	918.3	919.6	920.9	921.5
157.5°	935.8	935.2	933.9	932.6	931.4	930.1	931.4	932.6	933.9	935.2	935.8
160°	947.1	946.6	945.5	944.4	943.3	942.2	943.3	944.4	945.5	946.6	947.1
162.5°	958.5	957.8	956.4	954.9	953.5	952.1	953.5	954.9	956.4	957.8	958.5
165°	967.1	966.5	965.4	964.3	963.2	962.1	963.2	964.3	965.4	966.5	967.1
167.5°	974.9	974.2	972.8	971.3	969.9	968.5	969.9	971.3	972.8	974.2	974.9
170°	980.6	979.9	978.5	977.0	975.6	974.2	975.6	977.0	978.5	979.9	980.6
172.5°	984.9	984.2	982.8	981.3	979.9	978.5	979.9	981.3	982.8	984.2	984.9
175°	987.7	986.9	985.3	983.8	982.2	980.6	982.2	983.8	985.3	986.9	987.7
177.5°	988.5	987.8	986.3	984.9	983.4	982.0	983.4	984.9	986.3	987.8	988.5
180°	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3	1335.3
2.5°	1267.5	1275.7	1272.7	1261.4	1274.7	1274.7	1283.9	1283.9	1295.2	1299.3	1305.5
5°	1195.7	1201.8	1207.0	1201.8	1211.1	1225.4	1233.7	1240.8	1256.2	1262.4	1271.6
7.5°	1118.7	1130.0	1135.1	1135.1	1150.5	1166.9	1183.4	1193.6	1215.2	1223.4	1232.6
10°	1043.8	1057.1	1067.4	1066.4	1092.0	1102.3	1122.8	1146.4	1168.0	1180.3	1193.6
12.5°	964.8	971.9	986.3	1006.8	1013.0	1031.5	1055.1	1084.8	1123.8	1135.1	1154.6
15°	899.1	918.6	929.9	939.1	953.5	970.9	996.6	1025.3	1064.3	1088.9	1109.5
17.5°	843.6	869.3	876.5	874.4	892.9	919.6	949.4	970.9	1005.8	1035.6	1055.1
20°	798.5	808.8	821.1	826.2	840.6	869.3	898.0	922.7	951.4	975.0	997.6
22.5°	753.3	761.5	771.8	781.0	792.3	808.8	836.5	867.3	895.0	917.5	943.2
25°	716.4	721.5	730.8	737.9	750.3	761.5	781.0	814.9	847.8	861.1	883.7
27.5°	680.5	684.6	690.7	698.9	705.1	716.4	733.8	761.5	795.4	808.8	839.5
30°	648.6	651.7	657.9	662.0	665.1	678.4	691.8	713.3	739.0	757.4	780.0
32.5°	618.9	622.0	628.1	629.1	633.2	640.4	652.8	672.3	694.8	710.2	729.7
35°	586.0	588.1	594.2	596.3	599.4	605.5	614.8	629.1	649.7	661.0	678.4
37.5°	560.4	559.4	563.5	566.5	570.6	573.7	576.8	591.2	606.6	616.8	630.2
40°	532.7	530.6	531.6	535.7	537.8	541.9	541.9	556.3	566.5	574.7	585.0
42.5°	505.0	503.9	501.9	503.9	506.0	507.0	508.0	518.3	528.6	535.7	547.0
45°	477.2	476.2	474.2	475.2	475.2	477.2	480.3	484.4	491.6	497.8	503.9
47.5°	451.6	449.5	446.5	445.4	447.5	447.5	447.5	451.6	458.8	460.8	467.0
50°	424.9	421.8	417.7	415.7	415.7	414.6	416.7	417.7	423.9	425.9	431.1
52.5°	396.2	394.1	390.0	385.9	386.9	384.9	385.9	386.9	389.0	392.1	395.1
55°	367.4	363.3	360.2	359.2	356.1	356.1	353.1	357.2	356.1	357.2	361.3
57.5°	339.7	335.6	330.5	328.4	325.3	324.3	322.3	321.2	322.3	325.3	328.4
60°	306.9	304.8	301.7	298.7	296.6	293.5	291.5	291.5	290.5	290.5	291.5
62.5°	275.1	274.0	269.9	268.9	266.8	264.8	261.7	259.7	259.7	261.7	262.7
65°	244.3	243.2	240.2	239.1	234.0	232.0	230.9	229.9	227.8	227.8	227.8
67.5°	215.5	212.5	212.5	207.3	203.2	201.2	199.1	198.1	198.1	198.1	199.1
70°	183.7	183.7	180.6	177.6	173.5	174.5	171.4	168.3	168.3	166.3	167.3
72.5°	152.9	151.9	148.8	147.8	144.7	141.6	139.6	141.6	138.6	137.5	138.6
75°	123.2	122.1	120.1	118.0	119.1	116.0	112.9	111.9	111.9	109.8	109.8
77.5°	94.4	96.5	92.4	91.3	89.3	87.2	86.2	85.2	85.2	85.2	87.2
80°	65.7	66.7	66.7	64.7	65.7	62.6	62.6	62.6	59.5	60.6	61.6
82.5°	42.1	42.1	41.1	42.1	41.1	41.1	40.0	40.0	39.0	39.0	40.0
85°	23.6	22.6	21.6	23.6	22.6	22.6	21.6	21.6	21.6	21.6	21.6
87.5°	5.1	6.2	6.2	6.2	6.2	7.2	7.2	7.2	8.2	8.2	8.2
90°	17.4	16.6	15.8	15.0	14.2	12.9	11.7	10.4	9.1	8.5	7.6
92.5°	18.3	18.0	17.7	17.4	17.1	16.6	16.2	15.7	15.2	15.0	15.3
95°	30.9	30.1	29.4	28.6	27.8	26.7	25.6	24.5	23.4	22.8	25.4
97.5°	38.3	37.8	37.3	36.8	36.3	33.8	31.2	28.7	26.2	24.9	31.4
100°	45.7	44.4	43.1	41.9	40.6	37.9	35.2	32.5	29.8	28.5	39.3
102.5°	48.9	47.2	45.5	43.7	42.0	70.8	99.6	128.4	157.2	171.6	171.8
105°	50.4	48.7	46.9	45.2	43.4	86.6	129.8	173.1	216.3	237.9	235.5
107.5°	51.8	50.1	48.4	46.6	44.9	98.2	151.6	204.9	258.2	284.9	282.9
110°	61.3	77.1	93.0	108.8	124.6	170.3	216.1	261.8	307.5	330.4	328.7

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	88.9	157.1	225.4	293.6	361.8	364.5	367.2	369.9	372.6	373.9	372.5
115°	146.3	219.6	292.9	366.1	439.4	435.4	431.5	427.5	423.6	421.6	420.3
117.5°	387.3	409.9	432.6	455.2	477.8	475.1	472.4	469.7	467.0	465.7	464.1
120°	529.6	527.7	525.8	523.9	522.0	519.2	516.3	513.5	510.6	509.2	508.0
122.5°	567.8	566.9	565.9	565.0	564.0	560.8	557.7	554.5	551.4	549.8	548.5
125°	606.2	605.1	604.0	602.9	601.8	598.8	595.8	592.7	589.7	588.2	587.2
127.5°	643.0	641.4	639.9	638.3	636.7	634.3	631.9	629.6	627.2	626.0	624.9
130°	677.1	675.4	673.6	671.9	670.1	668.4	666.6	664.9	663.2	662.3	661.0
132.5°	709.3	707.9	706.4	705.0	703.6	701.9	700.1	698.4	696.7	695.8	694.8
135°	740.5	738.9	737.4	735.8	734.2	732.8	731.4	729.9	728.5	727.8	726.5
137.5°	769.7	768.1	766.6	765.0	763.4	761.8	760.2	758.7	757.1	756.3	755.3
140°	797.6	796.2	794.7	793.3	791.9	790.2	788.4	786.7	785.0	784.1	783.5
142.5°	823.3	822.0	820.8	819.5	818.3	816.2	814.2	812.1	810.0	809.0	808.4
145°	846.9	845.8	844.7	843.6	842.5	839.8	837.1	834.4	831.7	830.4	830.5
147.5°	867.7	866.9	866.1	865.3	864.5	861.8	859.1	856.4	853.7	852.4	852.6
150°	887.5	886.6	885.7	884.7	883.8	881.3	878.7	876.2	873.7	872.4	873.0
152.5°	905.3	904.4	903.5	902.5	901.6	899.2	896.8	894.5	892.1	890.9	891.5
155°	921.0	920.1	919.1	918.2	917.2	915.3	913.4	911.5	909.6	908.7	909.4
157.5°	935.2	934.1	933.0	931.9	930.8	929.4	928.0	926.5	925.1	924.4	925.0
160°	946.6	945.7	944.8	943.8	942.9	941.9	941.0	940.0	939.1	938.6	939.1
162.5°	958.0	956.9	955.8	954.7	953.6	952.8	952.0	951.2	950.4	950.0	950.5
165°	966.5	965.4	964.3	963.2	962.1	961.6	961.2	960.7	960.2	960.0	960.5
167.5°	974.3	973.2	972.1	971.0	969.9	969.4	969.0	968.5	968.0	967.8	968.3
170°	980.0	978.9	977.8	976.7	975.6	975.3	975.0	974.7	974.4	974.2	974.7
172.5°	984.3	983.2	982.1	981.0	979.9	979.6	979.3	979.0	978.7	978.5	979.0
175°	987.2	986.1	985.0	983.9	982.8	982.5	982.1	981.8	981.5	981.3	981.9
177.5°	987.9	986.8	985.7	984.6	983.5	983.3	983.2	983.0	982.9	982.8	983.3
180°	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1335.3	1335.3	1335.3	1335.3
2.5°	1310.6	1310.6	1326.0	1342.4
5°	1281.9	1289.1	1313.7	1336.3
7.5°	1254.2	1266.5	1297.3	1326.0
10°	1220.3	1236.7	1274.7	1308.6
12.5°	1187.5	1202.9	1247.0	1285.0
15°	1141.3	1160.8	1208.0	1255.2
17.5°	1095.1	1114.6	1172.1	1227.5
20°	1040.7	1066.4	1131.0	1204.9
22.5°	990.4	1022.2	1094.1	1153.6
25°	935.0	984.3	1051.0	1127.9
27.5°	885.7	935.0	1002.7	1080.7
30°	830.3	880.6	950.4	1022.2
32.5°	776.9	823.1	890.9	979.1
35°	721.5	765.6	831.3	920.6
37.5°	671.2	714.3	786.2	868.3
40°	622.0	667.1	728.7	810.8
42.5°	575.8	615.8	671.2	753.3
45°	533.7	562.4	613.7	690.7
47.5°	489.6	515.2	562.4	639.4
50°	448.5	470.1	511.1	583.0
52.5°	408.5	427.0	464.9	522.4
55°	372.6	390.0	417.7	474.2
57.5°	335.6	349.0	375.6	420.8
60°	299.7	312.0	333.6	370.5
62.5°	263.8	274.0	294.6	324.3
65°	232.0	240.2	255.6	281.2
67.5°	201.2	206.3	218.6	239.1
70°	171.4	175.5	185.8	202.2
72.5°	139.6	143.7	155.0	166.3
75°	112.9	113.9	122.1	131.4
77.5°	88.3	87.2	93.4	100.6
80°	60.6	63.6	68.8	71.8
82.5°	41.1	42.1	44.1	46.2
85°	22.6	23.6	23.6	26.7
87.5°	9.2	10.3	10.3	11.3
90°	5.9	4.2	2.4	0.7
92.5°	15.9	16.6	17.2	17.8
95°	30.6	35.9	41.1	46.3
97.5°	44.4	57.3	70.3	83.3
100°	61.0	82.7	104.3	126.0
102.5°	172.1	172.4	172.8	173.1
105°	230.8	226.0	221.3	216.5
107.5°	279.0	275.0	271.1	267.1
110°	325.4	322.1	318.8	315.5

TEST NUMBER: P1029691

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	369.6	366.8	363.9	361.1
115°	417.6	414.9	412.2	409.5
117.5°	461.0	457.8	454.7	451.5
120°	505.6	503.3	500.9	498.5
122.5°	546.0	543.5	540.9	538.4
125°	585.1	583.1	581.0	579.0
127.5°	622.7	620.4	618.2	616.0
130°	658.5	656.0	653.4	650.9
132.5°	692.7	690.6	688.6	686.5
135°	724.0	721.5	718.9	716.4
137.5°	753.4	751.5	749.6	747.7
140°	782.2	780.9	779.7	778.4
142.5°	807.3	806.2	805.1	804.0
145°	830.6	830.8	830.9	831.1
147.5°	853.1	853.6	854.1	854.6
150°	874.1	875.2	876.3	877.4
152.5°	892.8	894.1	895.3	896.6
155°	910.8	912.3	913.7	915.1
157.5°	926.3	927.6	928.8	930.1
160°	940.0	941.0	941.9	942.9
162.5°	951.4	952.4	953.3	954.3
165°	961.4	962.3	963.3	964.2
167.5°	969.2	970.2	971.1	972.1
170°	975.6	976.6	977.5	978.5
172.5°	979.9	980.9	981.8	982.8
175°	983.0	984.1	985.2	986.3
177.5°	984.4	985.5	986.6	987.7
180°	984.2	984.2	984.2	984.2

(END OF REPORT)