

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: P1029689

Luminaire Tested: S122DIW-B675D710UB2750-4F0-XX-W2A-A1_5000K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029689
REPORT IS A COMBINATION OF REPORTS P986651 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-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

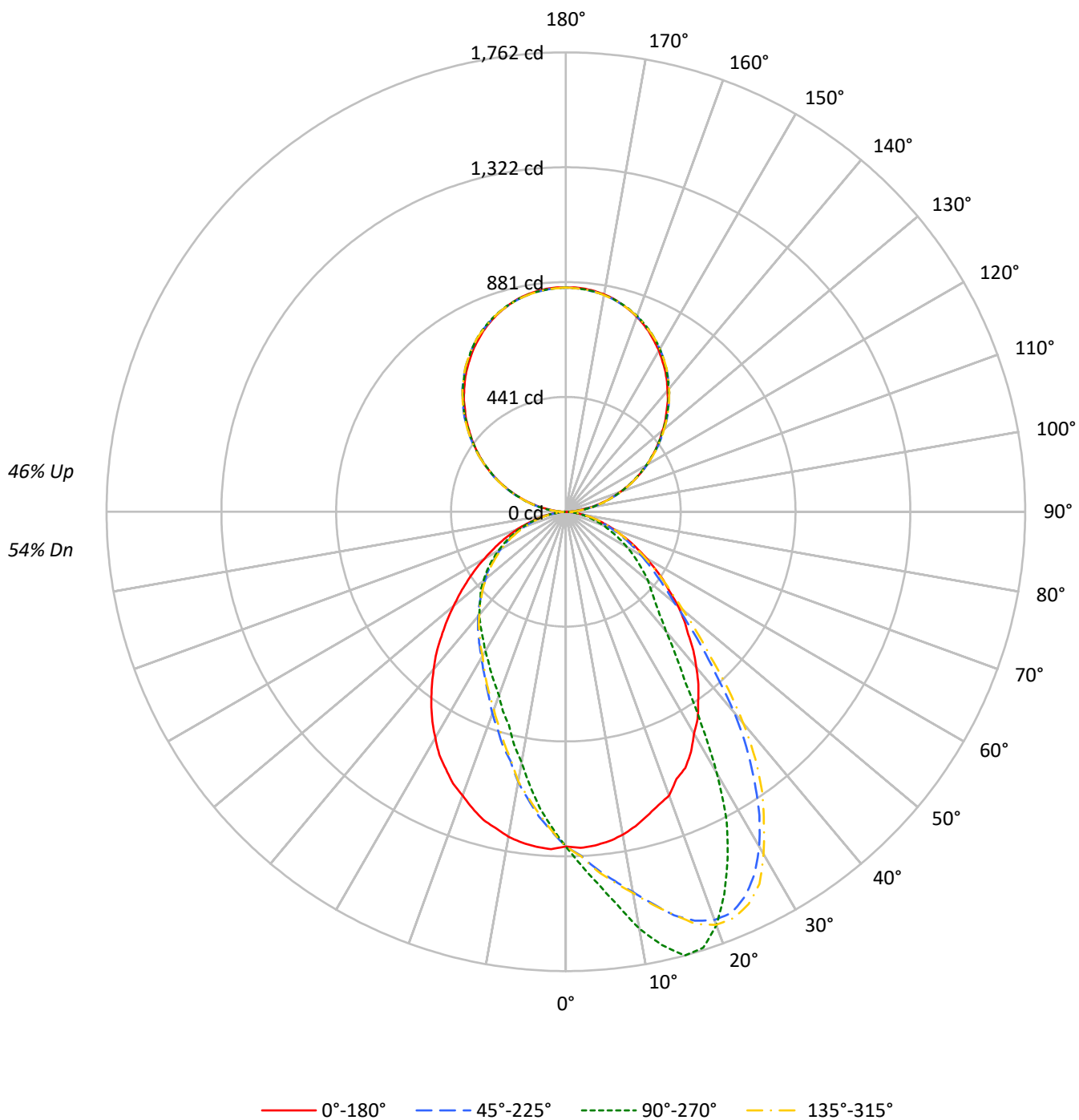
Lumens per Lamp: N/A
Luminaire Lumens: 5239.0 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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

TEST NUMBER: P1029689

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A1_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1029689

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A1_5000K

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	108	108	108	108		100	100	100	100		86	86	86		72	72	72		60	60	60
1	99	95	91	88		92	88	85	82		76	74	71		64	63	61		54	53	52
2	91	84	78	73		84	78	73	68		67	63	60		57	54	52		48	46	44
3	83	74	67	61		77	69	63	58		60	55	51		51	47	45		43	40	38
4	76	66	58	52		71	62	55	49		53	48	44		46	42	39		39	36	33
5	70	59	51	45		65	55	48	43		48	43	38		41	37	34		35	32	29
6	65	53	45	40		60	50	43	38		44	38	34		38	33	30		32	29	26
7	60	48	40	35		56	45	38	33		40	34	30		34	30	27		29	26	24
8	56	44	36	31		52	41	34	30		36	31	27		32	27	24		27	24	21
9	52	40	33	28		49	38	31	27		33	28	24		29	25	22		25	22	19
10	49	37	30	25		45	35	28	24		31	26	22		27	23	20		23	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	20318	20318	20318	20318
5°	20367	21665	20445	17235
10°	20130	23650	20257	14211
15°	19642	24945	19915	11969
20°	19336	23422	19336	10403
25°	18720	20122	18804	9304
30°	17706	15818	18043	8427
35°	16808	10938	17089	7711
40°	15774	8258	15954	7139
45°	14502	6787	14738	6522
50°	13401	5956	13425	5970
55°	12145	5075	12225	5371
60°	10809	4239	10957	4687
65°	9609	3448	9787	4003
70°	8419	2705	8631	3229
75°	7065	1964	7339	2341
80°	5517	1245	5908	1390
85°	3630	626	3899	463

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 21003 cd/sqm

TEST NUMBER: P1029689

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A1_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.3	2.3
10°-20°	355.8	6.8
20°-30°	516.4	9.9
30°-40°	544.4	10.4
40°-50°	481.8	9.2
50°-60°	384.7	7.3
60°-70°	261.3	5.0
70°-80°	133.7	2.6
80°-90°	34.0	0.6
90°-100°	53.2	1.0
100°-110°	169.1	3.2
110°-120°	289.4	5.5
120°-130°	380.6	7.3
130°-140°	427.2	8.2
140°-150°	419.0	8.0
150°-160°	351.4	6.7
160°-170°	233.1	4.4
170°-180°	81.5	1.6
0°-30°	994.6	19.0
0°-40°	1539.0	29.4
0°-60°	2405.4	45.9
0°-90°	2834.5	54.1
90°-120°	511.8	9.8
90°-150°	1738.6	33.2
90°-180°	2405.0	45.9
0°-180°	5239.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1284	1284	1284	1284	1284	
5°	1285	1434	1290	1140	1285	122
15°	1207	1762	1223	846	1207	341
25°	1084	1468	1089	679	1084	496
35°	885	799	900	563	885	554
45°	664	482	675	463	664	515
55°	456	338	459	358	456	407
65°	270	208	275	242	270	269
75°	126	103	131	122	126	136
85°	26	27	28	20	26	30
90°	1	25	1	25	1	4
95°	38	45	38	45	38	42
105°	156	161	156	161	156	165
115°	290	290	290	290	290	287
125°	422	424	422	424	422	377
135°	546	553	546	553	546	422
145°	663	671	663	671	663	414
155°	758	764	758	764	758	349
165°	825	826	825	826	825	233
175°	859	856	859	856	859	82
180°	860	860	860	860	860	

TEST NUMBER: P1029689

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1290.5	1293.5	1298.4	1299.4	1309.2	1317.1	1326.0	1326.0	1329.0	1328.0	1320.1
5°	1284.6	1293.5	1306.3	1317.1	1334.9	1342.8	1354.6	1363.5	1371.4	1377.3	1376.3
7.5°	1274.7	1290.5	1309.2	1330.0	1353.6	1367.5	1384.2	1400.0	1410.9	1420.7	1427.6
10°	1257.9	1284.6	1310.2	1337.9	1368.4	1387.2	1406.9	1427.6	1444.4	1463.2	1480.9
12.5°	1235.2	1273.7	1305.3	1341.8	1379.3	1400.0	1431.6	1447.4	1479.9	1527.3	1540.1
15°	1206.6	1258.9	1288.5	1334.9	1384.2	1401.0	1444.4	1470.1	1537.2	1566.8	1602.3
17.5°	1180.0	1238.2	1277.7	1331.0	1379.3	1411.9	1454.3	1506.6	1562.8	1605.2	1644.7
20°	1158.3	1214.5	1261.9	1321.1	1382.3	1423.7	1468.1	1531.2	1592.4	1635.8	1666.4
22.5°	1109.0	1181.0	1236.2	1302.3	1376.3	1433.6	1476.0	1545.0	1611.2	1637.8	1664.4
25°	1084.3	1146.5	1210.6	1285.6	1372.4	1440.5	1477.0	1553.9	1612.1	1622.0	1627.9
27.5°	1038.9	1109.0	1183.9	1269.8	1371.4	1428.6	1475.0	1545.0	1591.4	1584.5	1566.8
30°	982.7	1068.5	1151.4	1244.1	1357.6	1419.7	1463.2	1527.3	1551.0	1515.5	1483.9
32.5°	941.2	1022.1	1113.9	1221.4	1341.8	1401.0	1443.4	1493.7	1498.7	1434.5	1381.3
35°	885.0	974.8	1078.4	1191.8	1315.2	1368.4	1407.9	1438.5	1414.8	1325.0	1261.9
37.5°	834.7	923.5	1034.0	1149.4	1278.7	1331.0	1362.5	1367.5	1309.2	1230.3	1137.6
40°	779.4	871.2	986.6	1108.0	1238.2	1283.6	1303.3	1288.5	1204.7	1112.9	1005.4
42.5°	724.2	814.9	939.3	1063.6	1186.9	1225.4	1233.3	1192.8	1090.2	982.7	858.4
45°	664.0	758.7	883.0	1008.3	1127.7	1149.4	1150.4	1092.2	970.8	858.4	742.9
47.5°	614.7	702.5	825.8	951.1	1051.7	1066.5	1060.6	993.5	861.3	735.0	634.4
50°	560.4	644.3	766.6	889.9	975.8	979.7	964.9	869.2	740.0	624.5	544.6
52.5°	502.2	587.0	699.5	817.9	894.9	888.9	860.3	757.7	636.4	540.7	479.5
55°	455.8	530.8	636.4	751.8	806.1	789.3	757.7	653.1	557.4	476.5	423.3
57.5°	404.5	470.6	574.2	674.8	706.4	690.6	659.1	561.4	472.6	411.4	375.9
60°	356.2	416.4	507.1	591.0	615.7	598.9	562.4	474.6	410.4	359.1	332.5
62.5°	311.8	364.1	440.0	517.0	526.9	510.1	478.5	407.5	352.2	311.8	292.0
65°	270.3	319.7	380.8	439.0	447.9	430.2	397.6	346.3	299.9	274.3	255.5
67.5°	229.9	269.3	323.6	366.0	371.0	354.2	327.6	286.1	257.5	229.9	216.1
70°	194.4	224.0	266.4	300.9	302.9	287.1	273.3	235.8	214.1	194.4	183.5
72.5°	159.8	180.6	213.1	238.8	239.7	229.9	217.1	193.4	174.6	160.8	150.0
75°	126.3	144.0	163.8	186.5	185.5	177.6	167.7	152.9	137.1	128.3	123.3
77.5°	96.7	107.5	123.3	138.1	138.1	134.2	128.3	117.4	107.5	98.7	93.7
80°	69.1	76.0	88.8	93.7	95.7	94.7	89.8	81.9	77.9	71.0	69.1
82.5°	44.4	49.3	55.3	60.2	63.1	61.2	60.2	56.2	50.3	48.3	46.4
85°	25.7	27.6	30.6	33.5	34.5	33.5	35.5	32.6	29.6	29.6	28.6
87.5°	10.9	11.8	13.8	13.8	14.8	14.8	13.8	14.8	14.8	13.8	12.8
90°	0.7	2.6	4.6	6.5	8.4	9.4	11.2	14.7	18.3	21.8	25.4
92.5°	16.0	17.3	18.6	19.9	21.2	21.8	21.9	22.0	22.2	22.3	22.5
95°	37.7	39.3	40.9	42.6	44.2	45.0	45.2	45.5	45.8	46.2	46.5
97.5°	63.1	64.6	66.0	67.5	69.0	69.7	70.0	70.7	71.3	72.0	72.6
100°	92.2	93.5	94.8	96.1	97.4	98.0	98.2	98.7	99.2	99.7	100.2
102.5°	122.7	123.7	124.6	125.6	126.5	127.0	127.3	128.0	128.6	129.3	129.9
105°	156.0	156.5	157.0	157.5	158.0	158.2	158.4	158.7	159.0	159.4	159.7
107.5°	189.4	190.0	190.7	191.3	192.0	192.3	192.3	192.3	192.3	192.3	192.3
110°	221.4	222.4	223.3	224.3	225.2	225.7	225.7	225.7	225.7	225.7	225.7

TEST NUMBER: P1029689

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	256.2	257.2	258.2	259.1	260.1	260.6	260.5	260.3	260.2	260.0	259.8
115°	290.3	291.3	292.3	293.2	294.2	294.7	294.5	294.2	293.9	293.5	293.2
117.5°	324.4	325.7	327.0	328.3	329.6	330.2	329.8	329.0	328.2	327.4	326.6
120°	358.5	359.8	361.1	362.4	363.7	364.3	363.7	362.4	361.1	359.8	358.5
122.5°	389.7	391.3	392.9	394.6	396.2	397.0	396.6	395.8	395.0	394.2	393.4
125°	422.4	423.8	425.3	426.7	428.2	428.9	428.7	428.2	427.7	427.3	426.8
127.5°	454.3	456.1	457.9	459.6	461.4	462.3	462.0	461.3	460.7	460.0	459.4
130°	484.1	486.2	488.3	490.4	492.5	493.5	493.3	493.0	492.7	492.4	492.1
132.5°	517.5	519.1	520.7	522.3	523.9	524.7	524.8	525.0	525.1	525.3	525.5
135°	546.5	548.3	550.1	551.8	553.6	554.5	554.7	555.0	555.3	555.7	556.0
137.5°	578.5	579.9	581.4	582.8	584.3	585.0	585.2	585.5	585.8	586.1	586.4
140°	606.8	608.2	609.7	611.1	612.6	613.3	613.7	614.5	615.3	616.1	616.9
142.5°	635.8	637.2	638.7	640.1	641.6	642.3	642.5	643.0	643.5	644.0	644.5
145°	663.4	664.5	665.6	666.7	667.8	668.4	668.9	669.9	670.8	671.8	672.8
147.5°	688.0	689.5	690.9	692.4	693.9	694.6	694.9	695.6	696.2	696.9	697.5
150°	713.4	714.4	715.4	716.3	717.3	717.8	718.1	718.8	719.4	720.1	720.7
152.5°	735.9	736.9	737.9	738.8	739.8	740.3	740.7	741.5	742.3	743.1	743.9
155°	758.4	758.9	759.4	759.9	760.4	760.6	760.8	761.3	761.8	762.3	762.8
157.5°	778.0	778.3	778.7	779.0	779.3	779.5	779.7	780.0	780.3	780.6	780.9
160°	795.5	795.8	796.1	796.4	796.7	796.9	797.0	797.1	797.3	797.4	797.6
162.5°	811.4	811.4	811.4	811.4	811.4	811.4	811.5	811.7	811.8	812.0	812.2
165°	825.2	825.0	824.9	824.7	824.6	824.5	824.5	824.5	824.5	824.5	824.5
167.5°	837.6	837.1	836.6	836.1	835.6	835.4	835.4	835.4	835.4	835.4	835.4
170°	847.0	846.5	846.0	845.5	845.0	844.8	844.7	844.6	844.4	844.3	844.1
172.5°	853.5	853.0	852.5	852.0	851.5	851.3	851.2	851.1	850.9	850.8	850.6
175°	858.6	858.1	857.6	857.1	856.6	856.4	856.2	855.9	855.6	855.3	855.0
177.5°	861.5	861.0	860.5	860.0	859.5	859.3	859.1	858.8	858.5	858.2	857.9
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1

TEST NUMBER: P1029689

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1333.9	1334.9	1336.9	1346.7	1351.7	1352.7	1348.7	1357.6	1360.6	1357.6	1355.6
5°	1397.1	1403.0	1414.8	1427.6	1426.7	1427.6	1433.6	1439.5	1441.5	1433.6	1436.5
7.5°	1452.3	1464.1	1477.0	1496.7	1496.7	1506.6	1510.5	1515.5	1527.3	1521.4	1519.4
10°	1515.5	1531.2	1554.9	1586.5	1587.5	1597.3	1607.2	1623.0	1627.9	1624.0	1626.0
12.5°	1594.4	1625.0	1626.9	1661.5	1677.3	1679.2	1695.0	1692.1	1701.9	1701.9	1718.7
15°	1628.9	1676.3	1702.9	1736.5	1746.3	1734.5	1747.3	1761.1	1762.1	1762.1	1761.1
17.5°	1691.1	1709.8	1736.5	1754.2	1758.2	1758.2	1759.1	1765.1	1761.1	1753.2	1759.1
20°	1703.9	1711.8	1721.7	1719.7	1721.7	1711.8	1701.9	1692.1	1693.0	1688.1	1702.9
22.5°	1680.2	1678.2	1655.6	1640.8	1640.8	1621.0	1602.3	1593.4	1584.5	1587.5	1592.4
25°	1621.0	1590.4	1562.8	1541.1	1536.2	1504.6	1478.9	1471.1	1456.3	1468.1	1470.1
27.5°	1526.3	1491.8	1447.4	1428.6	1403.0	1390.1	1372.4	1348.7	1318.1	1335.9	1332.9
30°	1424.7	1373.4	1336.9	1291.5	1251.0	1248.1	1214.5	1175.1	1159.3	1159.3	1168.2
32.5°	1311.2	1243.1	1189.9	1125.7	1086.3	1069.5	1029.0	989.6	998.5	968.9	979.7
35°	1179.0	1089.2	1022.1	960.0	930.4	910.7	858.4	836.7	813.0	799.2	824.8
37.5°	1052.7	949.1	863.3	795.2	784.4	748.8	713.3	699.5	685.7	691.6	690.6
40°	898.8	807.1	730.1	676.8	658.1	641.3	617.6	600.9	592.0	596.9	597.9
42.5°	759.7	682.7	625.5	588.0	572.2	560.4	548.6	534.7	531.8	531.8	535.7
45°	652.2	589.0	550.5	519.9	511.1	502.2	493.3	487.4	485.4	481.5	484.4
47.5°	566.3	516.0	492.3	469.6	459.8	457.8	449.9	446.9	443.0	442.0	443.0
50°	494.3	462.7	441.0	428.2	421.3	418.3	414.4	408.5	406.5	411.4	409.4
52.5°	444.0	414.4	402.5	389.7	385.8	381.8	375.9	376.9	375.9	373.9	373.9
55°	393.7	374.9	363.1	353.2	352.2	348.3	343.3	341.4	340.4	338.4	341.4
57.5°	353.2	338.4	327.6	318.7	314.7	314.7	309.8	305.9	305.9	304.9	305.9
60°	312.8	298.0	291.1	282.2	279.2	278.2	275.3	273.3	270.3	270.3	270.3
62.5°	275.3	263.4	255.5	247.6	248.6	243.7	239.7	237.8	237.8	238.8	238.8
65°	239.7	231.9	222.0	215.1	213.1	212.1	210.2	209.2	206.2	208.2	208.2
67.5°	207.2	196.3	190.4	187.5	184.5	183.5	181.5	179.6	178.6	177.6	179.6
70°	174.6	165.8	160.8	158.8	155.9	154.9	153.9	151.0	151.9	152.9	153.9
72.5°	145.0	137.1	136.2	130.2	130.2	130.2	126.3	128.3	127.3	125.3	127.3
75°	114.4	110.5	108.5	105.6	106.6	105.6	104.6	101.6	101.6	102.6	103.6
77.5°	90.8	86.8	85.8	82.9	80.9	82.9	80.9	79.9	79.9	80.9	80.9
80°	67.1	65.1	62.2	62.2	62.2	61.2	61.2	61.2	60.2	59.2	60.2
82.5°	44.4	44.4	43.4	42.4	43.4	41.4	42.4	42.4	42.4	42.4	42.4
85°	28.6	27.6	27.6	26.6	26.6	26.6	27.6	25.7	25.7	26.6	26.6
87.5°	12.8	12.8	12.8	13.8	12.8	12.8	12.8	13.8	12.8	12.8	12.8
90°	25.1	24.8	24.5	24.2	24.0	24.1	24.2	24.4	24.5	24.7	24.5
92.5°	22.7	22.8	23.0	23.1	23.2	23.2	23.2	23.2	23.2	23.2	23.2
95°	46.5	46.5	46.5	46.5	46.5	46.3	46.0	45.7	45.3	45.0	45.3
97.5°	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
100°	100.2	100.2	100.2	100.2	100.2	100.1	99.9	99.8	99.6	99.4	99.6
102.5°	130.1	130.2	130.4	130.5	130.6	130.5	130.4	130.2	130.1	129.9	130.1
105°	160.0	160.3	160.6	160.9	161.1	161.1	161.1	161.1	161.1	161.1	161.1
107.5°	192.5	192.7	192.8	193.0	193.1	192.7	191.9	191.0	190.2	189.4	190.2
110°	225.7	225.7	225.7	225.7	225.7	225.5	225.0	224.5	224.0	223.5	224.0

TEST NUMBER: P1029689

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	259.3	258.9	258.4	257.9	257.7	257.5	257.2	256.9	256.5	256.2	256.5
115°	293.0	292.9	292.7	292.6	292.5	292.3	291.8	291.3	290.8	290.3	290.8
117.5°	326.1	325.6	325.1	324.6	324.4	324.2	323.7	323.2	322.7	322.2	322.7
120°	358.5	358.5	358.5	358.5	358.5	358.3	357.8	357.3	356.9	356.4	356.9
122.5°	392.9	392.4	391.9	391.4	391.2	391.0	390.7	390.4	390.0	389.7	390.0
125°	426.3	425.8	425.3	424.8	424.6	424.5	424.4	424.2	424.1	423.9	424.1
127.5°	458.8	458.1	457.5	456.8	456.5	456.3	455.8	455.3	454.8	454.3	454.8
130°	491.8	491.4	491.1	490.8	490.6	490.3	489.6	489.0	488.3	487.7	488.3
132.5°	524.7	523.9	523.0	522.2	521.8	521.6	521.1	520.6	520.2	519.7	520.2
135°	555.8	555.6	555.5	555.3	555.2	555.0	554.5	554.0	553.5	553.0	553.5
137.5°	586.2	586.1	585.9	585.8	585.7	585.4	584.7	584.1	583.4	582.8	583.4
140°	616.9	616.9	616.9	616.9	616.9	616.6	615.9	615.3	614.6	614.0	614.6
142.5°	644.7	644.8	645.0	645.1	645.2	644.9	644.2	643.6	642.9	642.3	642.9
145°	673.0	673.1	673.3	673.4	673.5	673.2	672.5	671.9	671.2	670.6	671.2
147.5°	697.8	698.1	698.4	698.7	698.9	698.6	697.9	697.3	696.6	696.0	696.6
150°	721.2	721.7	722.2	722.7	722.9	722.7	722.2	721.7	721.2	720.7	721.2
152.5°	744.5	745.2	745.8	746.5	746.8	746.5	745.8	745.2	744.5	743.9	744.5
155°	763.6	764.4	765.2	766.0	766.4	766.2	765.7	765.2	764.8	764.3	764.8
157.5°	782.0	783.2	784.3	785.4	786.0	785.6	784.8	784.0	783.2	782.4	783.2
160°	798.6	799.6	800.5	801.5	802.0	801.7	801.0	800.4	799.7	799.1	799.7
162.5°	813.3	814.4	815.5	816.6	817.2	816.8	816.0	815.2	814.4	813.6	814.4
165°	825.6	826.8	827.9	829.0	829.6	829.2	828.4	827.5	826.7	825.9	826.7
167.5°	836.5	837.7	838.8	839.9	840.5	840.1	839.3	838.4	837.6	836.8	837.6
170°	845.2	846.4	847.5	848.6	849.2	848.7	847.7	846.8	845.8	844.8	845.8
172.5°	851.7	852.9	854.0	855.1	855.7	855.2	854.2	853.3	852.3	851.3	852.3
175°	856.1	857.3	858.4	859.5	860.1	859.6	858.6	857.7	856.7	855.7	856.7
177.5°	858.9	859.8	860.8	861.7	862.2	861.7	860.8	859.8	858.9	857.9	858.9
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1

TEST NUMBER: P1029689

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1360.6	1353.6	1347.7	1348.7	1353.6	1349.7	1339.8	1327.0	1322.1	1316.2	1322.1
5°	1442.4	1436.5	1424.7	1425.7	1422.7	1418.8	1403.0	1383.2	1383.2	1367.5	1365.5
7.5°	1523.3	1514.5	1506.6	1504.6	1493.7	1485.9	1472.0	1444.4	1433.6	1414.8	1404.0
10°	1614.1	1607.2	1598.3	1587.5	1581.6	1567.7	1545.0	1504.6	1484.9	1459.2	1440.5
12.5°	1705.9	1704.9	1685.1	1663.4	1662.5	1640.8	1625.0	1570.7	1544.1	1509.5	1465.1
15°	1764.1	1759.1	1748.3	1737.4	1740.4	1716.7	1681.2	1617.1	1599.3	1557.9	1510.5
17.5°	1763.1	1763.1	1760.1	1758.2	1755.2	1748.3	1728.6	1686.1	1657.5	1605.2	1560.8
20°	1706.9	1719.7	1722.6	1721.7	1731.5	1736.5	1735.5	1708.8	1686.1	1639.8	1594.4
22.5°	1594.4	1624.0	1636.8	1644.7	1665.4	1676.3	1701.9	1692.1	1686.1	1651.6	1613.1
25°	1489.8	1499.7	1538.1	1540.1	1568.7	1595.4	1621.0	1637.8	1659.5	1646.7	1614.1
27.5°	1354.6	1377.3	1404.9	1425.7	1431.6	1485.9	1528.3	1559.8	1609.2	1613.1	1602.3
30°	1201.7	1212.6	1257.9	1285.6	1317.1	1356.6	1417.8	1472.0	1516.4	1556.9	1570.7
32.5°	1015.2	1059.6	1086.3	1119.8	1147.4	1217.5	1292.5	1362.5	1413.8	1481.9	1511.5
35°	844.5	879.1	924.5	938.3	988.6	1047.8	1145.5	1235.2	1313.2	1382.3	1442.4
37.5°	703.5	731.1	779.4	801.1	830.7	906.7	988.6	1100.1	1193.8	1278.7	1353.6
40°	606.8	627.5	664.0	670.9	695.6	764.6	830.7	935.3	1059.6	1174.1	1256.0
42.5°	540.7	550.5	575.2	584.1	599.9	646.2	705.4	804.1	919.5	1037.9	1153.4
45°	493.3	500.2	515.0	522.9	542.6	563.4	611.7	690.6	781.4	900.8	1025.1
47.5°	450.9	459.8	465.7	470.6	481.5	504.2	535.7	593.9	680.8	790.3	910.7
50°	415.4	418.3	429.2	430.2	437.1	451.9	481.5	517.0	586.1	674.8	791.3
52.5°	379.8	382.8	389.7	396.6	399.6	411.4	431.2	460.8	512.1	582.1	685.7
55°	344.3	348.3	355.2	360.1	363.1	372.9	384.8	413.4	453.8	503.2	588.0
57.5°	308.8	317.7	319.7	322.6	327.6	338.4	349.3	366.0	397.6	443.0	505.2
60°	275.3	278.2	285.1	288.1	293.0	298.9	312.8	325.6	348.3	383.8	440.0
62.5°	240.7	247.6	250.6	253.6	257.5	264.4	273.3	287.1	306.8	335.5	379.8
65°	211.1	212.1	218.0	222.0	225.9	230.9	239.7	252.6	264.4	291.1	323.6
67.5°	182.5	184.5	186.5	190.4	195.4	200.3	208.2	215.1	229.9	247.6	273.3
70°	154.9	154.9	159.8	162.8	161.8	167.7	173.6	181.5	192.4	209.2	229.9
72.5°	130.2	129.2	133.2	134.2	136.2	140.1	144.0	151.9	157.9	170.7	186.5
75°	103.6	105.6	107.5	107.5	110.5	113.5	117.4	121.4	128.3	136.2	148.0
77.5°	81.9	81.9	83.9	84.8	87.8	86.8	90.8	94.7	99.6	106.6	115.4
80°	60.2	62.2	62.2	62.2	63.1	64.1	68.1	71.0	74.0	78.9	82.9
82.5°	42.4	42.4	44.4	44.4	44.4	46.4	46.4	47.4	49.3	52.3	55.3
85°	26.6	26.6	26.6	27.6	26.6	27.6	29.6	28.6	29.6	31.6	31.6
87.5°	12.8	12.8	12.8	12.8	12.8	13.8	12.8	13.8	14.8	14.8	14.8
90°	24.4	24.2	24.1	24.0	24.2	24.5	24.8	25.1	25.4	21.8	18.3
92.5°	23.2	23.2	23.2	23.2	23.1	23.0	22.8	22.7	22.5	22.3	22.2
95°	45.7	46.0	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.2	45.8
97.5°	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.0	71.3
100°	99.8	99.9	100.1	100.2	100.2	100.2	100.2	100.2	100.2	99.7	99.2
102.5°	130.2	130.4	130.5	130.6	130.5	130.4	130.2	130.1	129.9	129.3	128.6
105°	161.1	161.1	161.1	161.1	160.9	160.6	160.3	160.0	159.7	159.4	159.0
107.5°	191.0	191.9	192.7	193.1	193.0	192.8	192.7	192.5	192.3	192.3	192.3
110°	224.5	225.0	225.5	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.7

TEST NUMBER: P1029689

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	256.9	257.2	257.5	257.7	257.9	258.4	258.9	259.3	259.8	260.0	260.2
115°	291.3	291.8	292.3	292.5	292.6	292.7	292.9	293.0	293.2	293.5	293.9
117.5°	323.2	323.7	324.2	324.4	324.6	325.1	325.6	326.1	326.6	327.4	328.2
120°	357.3	357.8	358.3	358.5	358.5	358.5	358.5	358.5	358.5	359.8	361.1
122.5°	390.4	390.7	391.0	391.2	391.4	391.9	392.4	392.9	393.4	394.2	395.0
125°	424.2	424.4	424.5	424.6	424.8	425.3	425.8	426.3	426.8	427.3	427.7
127.5°	455.3	455.8	456.3	456.5	456.8	457.5	458.1	458.8	459.4	460.0	460.7
130°	489.0	489.6	490.3	490.6	490.8	491.1	491.4	491.8	492.1	492.4	492.7
132.5°	520.6	521.1	521.6	521.8	522.2	523.0	523.9	524.7	525.5	525.3	525.1
135°	554.0	554.5	555.0	555.2	555.3	555.5	555.6	555.8	556.0	555.7	555.3
137.5°	584.1	584.7	585.4	585.7	585.8	585.9	586.1	586.2	586.4	586.1	585.8
140°	615.3	615.9	616.6	616.9	616.9	616.9	616.9	616.9	616.9	616.1	615.3
142.5°	643.6	644.2	644.9	645.2	645.1	645.0	644.8	644.7	644.5	644.0	643.5
145°	671.9	672.5	673.2	673.5	673.4	673.3	673.1	673.0	672.8	671.8	670.8
147.5°	697.3	697.9	698.6	698.9	698.7	698.4	698.1	697.8	697.5	696.9	696.2
150°	721.7	722.2	722.7	722.9	722.7	722.2	721.7	721.2	720.7	720.1	719.4
152.5°	745.2	745.8	746.5	746.8	746.5	745.8	745.2	744.5	743.9	743.1	742.3
155°	765.2	765.7	766.2	766.4	766.0	765.2	764.4	763.6	762.8	762.3	761.8
157.5°	784.0	784.8	785.6	786.0	785.4	784.3	783.2	782.0	780.9	780.6	780.3
160°	800.4	801.0	801.7	802.0	801.5	800.5	799.6	798.6	797.6	797.4	797.3
162.5°	815.2	816.0	816.8	817.2	816.6	815.5	814.4	813.3	812.2	812.0	811.8
165°	827.5	828.4	829.2	829.6	829.0	827.9	826.8	825.6	824.5	824.5	824.5
167.5°	838.4	839.3	840.1	840.5	839.9	838.8	837.7	836.5	835.4	835.4	835.4
170°	846.8	847.7	848.7	849.2	848.6	847.5	846.4	845.2	844.1	844.3	844.4
172.5°	853.3	854.2	855.2	855.7	855.1	854.0	852.9	851.7	850.6	850.8	850.9
175°	857.7	858.6	859.6	860.1	859.5	858.4	857.3	856.1	855.0	855.3	855.6
177.5°	859.8	860.8	861.7	862.2	861.7	860.8	859.8	858.9	857.9	858.2	858.5
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1

TEST NUMBER: P1029689

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1317.1	1312.2	1309.2	1311.2	1305.3	1290.5	1290.5	1295.4	1289.5	1283.6	1274.7
5°	1353.6	1343.8	1337.9	1336.9	1323.1	1299.4	1294.4	1289.5	1276.7	1262.9	1248.1
7.5°	1389.2	1371.4	1361.5	1354.6	1334.9	1304.3	1291.5	1280.6	1259.9	1239.2	1220.5
10°	1418.8	1393.1	1381.3	1370.4	1344.8	1306.3	1285.6	1265.8	1239.2	1212.6	1188.9
12.5°	1442.4	1412.8	1398.0	1382.3	1350.7	1300.4	1274.7	1243.1	1216.5	1181.0	1157.3
15°	1481.9	1420.7	1406.9	1392.1	1359.6	1290.5	1258.9	1223.4	1186.9	1139.5	1113.9
17.5°	1513.5	1431.6	1430.6	1399.0	1356.6	1286.6	1238.2	1191.8	1152.4	1105.0	1064.6
20°	1532.2	1448.4	1432.6	1400.0	1346.7	1259.9	1209.6	1158.3	1115.9	1058.6	1018.2
22.5°	1548.0	1472.0	1430.6	1391.1	1326.0	1251.0	1177.0	1128.7	1070.5	1008.3	969.8
25°	1553.9	1477.0	1433.6	1388.2	1311.2	1225.4	1141.5	1089.2	1024.1	967.9	915.6
27.5°	1554.9	1476.0	1422.7	1375.4	1290.5	1191.8	1106.0	1050.8	978.7	913.6	861.3
30°	1545.0	1465.1	1416.8	1365.5	1270.8	1161.3	1062.6	1001.4	924.5	859.3	805.1
32.5°	1515.5	1443.4	1404.0	1347.7	1245.1	1118.8	1021.2	953.1	872.2	808.0	755.8
35°	1466.1	1416.8	1373.4	1321.1	1211.6	1079.4	979.7	899.8	817.9	756.7	707.4
37.5°	1404.9	1378.3	1337.9	1286.6	1173.1	1043.8	933.3	844.5	762.7	703.5	655.1
40°	1322.1	1329.0	1289.5	1243.1	1127.7	995.5	873.2	788.3	711.4	656.1	608.7
42.5°	1232.3	1260.9	1238.2	1193.8	1077.4	942.2	828.8	735.0	660.0	602.8	563.4
45°	1135.6	1184.9	1171.1	1138.6	1025.1	886.0	765.6	674.8	608.7	553.5	519.0
47.5°	1030.0	1100.1	1100.1	1076.4	966.9	829.7	711.4	618.6	553.5	514.0	480.5
50°	922.5	1001.4	1014.2	998.5	901.8	765.6	645.3	561.4	505.2	466.7	442.0
52.5°	810.0	901.8	925.5	917.6	832.7	704.4	591.0	509.1	457.8	424.2	402.5
55°	702.5	809.0	834.7	837.6	758.7	637.4	530.8	458.8	409.4	386.8	368.0
57.5°	600.9	703.5	732.1	737.0	683.7	576.2	474.6	411.4	367.0	348.3	333.5
60°	514.0	599.9	637.4	648.2	601.8	505.2	422.3	361.1	327.6	309.8	296.0
62.5°	443.0	512.1	551.5	554.5	533.8	443.0	368.0	316.7	288.1	272.3	265.4
65°	373.9	436.1	459.8	471.6	454.8	383.8	317.7	275.3	252.6	238.8	231.9
67.5°	318.7	358.1	377.9	393.7	376.9	323.6	270.3	235.8	219.0	205.2	201.3
70°	261.5	294.0	308.8	324.6	309.8	269.3	230.9	199.3	184.5	173.6	168.7
72.5°	209.2	234.8	248.6	258.5	249.6	216.1	184.5	162.8	151.9	144.0	141.1
75°	165.8	183.5	191.4	198.3	194.4	168.7	149.0	131.2	121.4	114.4	112.5
77.5°	126.3	139.1	148.0	150.0	145.0	128.3	111.5	100.6	92.7	88.8	86.8
80°	89.8	97.7	102.6	105.6	100.6	93.7	81.9	74.0	67.1	62.2	61.2
82.5°	60.2	64.1	68.1	67.1	65.1	59.2	52.3	48.3	45.4	41.4	41.4
85°	34.5	35.5	37.5	38.5	37.5	33.5	29.6	27.6	25.7	22.7	22.7
87.5°	14.8	15.8	15.8	16.8	14.8	14.8	12.8	10.9	10.9	9.9	8.9
90°	14.7	11.2	9.4	8.4	6.5	4.6	2.6	0.7	2.6	4.6	6.5
92.5°	22.0	21.9	21.8	21.2	19.9	18.6	17.3	16.0	17.3	18.6	19.9
95°	45.5	45.2	45.0	44.2	42.6	40.9	39.3	37.7	39.3	40.9	42.6
97.5°	70.7	70.0	69.7	69.0	67.5	66.0	64.6	63.1	64.6	66.0	67.5
100°	98.7	98.2	98.0	97.4	96.1	94.8	93.5	92.2	93.5	94.8	96.1
102.5°	128.0	127.3	127.0	126.5	125.6	124.6	123.7	122.7	123.7	124.6	125.6
105°	158.7	158.4	158.2	158.0	157.5	157.0	156.5	156.0	156.5	157.0	157.5
107.5°	192.3	192.3	192.3	192.0	191.3	190.7	190.0	189.4	190.0	190.7	191.3
110°	225.7	225.7	225.7	225.2	224.3	223.3	222.4	221.4	222.4	223.3	224.3

TEST NUMBER: P1029689

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	260.3	260.5	260.6	260.1	259.1	258.2	257.2	256.2	257.2	258.2	259.1
115°	294.2	294.5	294.7	294.2	293.2	292.3	291.3	290.3	291.3	292.3	293.2
117.5°	329.0	329.8	330.2	329.6	328.3	327.0	325.7	324.4	325.7	327.0	328.3
120°	362.4	363.7	364.3	363.7	362.4	361.1	359.8	358.5	359.8	361.1	362.4
122.5°	395.8	396.6	397.0	396.2	394.6	392.9	391.3	389.7	391.3	392.9	394.6
125°	428.2	428.7	428.9	428.2	426.7	425.3	423.8	422.4	423.8	425.3	426.7
127.5°	461.3	462.0	462.3	461.4	459.6	457.9	456.1	454.3	456.1	457.9	459.6
130°	493.0	493.3	493.5	492.5	490.4	488.3	486.2	484.1	486.2	488.3	490.4
132.5°	525.0	524.8	524.7	523.9	522.3	520.7	519.1	517.5	519.1	520.7	522.3
135°	555.0	554.7	554.5	553.6	551.8	550.1	548.3	546.5	548.3	550.1	551.8
137.5°	585.5	585.2	585.0	584.3	582.8	581.4	579.9	578.5	579.9	581.4	582.8
140°	614.5	613.7	613.3	612.6	611.1	609.7	608.2	606.8	608.2	609.7	611.1
142.5°	643.0	642.5	642.3	641.6	640.1	638.7	637.2	635.8	637.2	638.7	640.1
145°	669.9	668.9	668.4	667.8	666.7	665.6	664.5	663.4	664.5	665.6	666.7
147.5°	695.6	694.9	694.6	693.9	692.4	690.9	689.5	688.0	689.5	690.9	692.4
150°	718.8	718.1	717.8	717.3	716.3	715.4	714.4	713.4	714.4	715.4	716.3
152.5°	741.5	740.7	740.3	739.8	738.8	737.9	736.9	735.9	736.9	737.9	738.8
155°	761.3	760.8	760.6	760.4	759.9	759.4	758.9	758.4	758.9	759.4	759.9
157.5°	780.0	779.7	779.5	779.3	779.0	778.7	778.3	778.0	778.3	778.7	779.0
160°	797.1	797.0	796.9	796.7	796.4	796.1	795.8	795.5	795.8	796.1	796.4
162.5°	811.7	811.5	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4
165°	824.5	824.5	824.5	824.6	824.7	824.9	825.0	825.2	825.0	824.9	824.7
167.5°	835.4	835.4	835.4	835.6	836.1	836.6	837.1	837.6	837.1	836.6	836.1
170°	844.6	844.7	844.8	845.0	845.5	846.0	846.5	847.0	846.5	846.0	845.5
172.5°	851.1	851.2	851.3	851.5	852.0	852.5	853.0	853.5	853.0	852.5	852.0
175°	855.9	856.2	856.4	856.6	857.1	857.6	858.1	858.6	858.1	857.6	857.1
177.5°	858.8	859.1	859.3	859.5	860.0	860.5	861.0	861.5	861.0	860.5	860.0
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1

TEST NUMBER: P1029689

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1269.8	1274.7	1273.7	1263.9	1253.0	1244.1	1227.4	1229.3	1223.4	1224.4	1230.3
5°	1238.2	1238.2	1234.3	1220.5	1202.7	1192.8	1174.1	1169.1	1157.3	1156.3	1155.3
7.5°	1204.7	1199.7	1194.8	1175.1	1153.4	1137.6	1111.9	1106.0	1094.2	1086.3	1082.3
10°	1165.2	1158.3	1148.4	1125.7	1099.1	1079.4	1052.7	1044.8	1022.1	1012.3	1006.4
12.5°	1121.8	1117.8	1102.1	1083.3	1039.9	1018.2	979.7	987.6	964.9	945.2	942.2
15°	1078.4	1063.6	1054.7	1024.1	971.8	962.0	931.4	915.6	894.9	879.1	879.1
17.5°	1036.0	1013.3	993.5	961.0	922.5	894.9	872.2	864.3	838.6	822.8	819.9
20°	979.7	954.1	949.1	902.8	876.1	845.5	823.8	804.1	785.4	778.4	773.5
22.5°	926.4	896.8	888.9	849.5	822.8	792.3	770.6	756.7	742.9	738.0	729.1
25°	869.2	851.5	839.6	797.2	767.6	739.0	724.2	714.3	701.5	700.5	694.6
27.5°	814.0	797.2	785.4	744.9	723.2	696.6	684.7	673.9	667.0	664.0	661.0
30°	766.6	747.9	734.0	704.4	677.8	656.1	646.2	639.3	635.4	630.5	629.5
32.5°	714.3	703.5	684.7	662.0	641.3	620.6	614.7	609.7	603.8	601.8	600.9
35°	669.9	655.1	643.3	617.6	608.7	591.0	584.1	580.1	572.2	570.3	568.3
37.5°	626.5	612.7	599.9	584.1	567.3	557.4	553.5	547.6	543.6	544.6	542.6
40°	583.1	572.2	562.4	545.6	535.7	530.8	522.9	517.0	515.0	516.0	515.0
42.5°	540.7	530.8	524.9	512.1	502.2	497.3	492.3	486.4	489.4	489.4	492.3
45°	502.2	493.3	489.4	479.5	473.6	465.7	460.8	459.8	463.7	462.7	462.7
47.5°	462.7	459.8	454.8	446.0	438.1	433.1	432.1	432.1	436.1	438.1	437.1
50°	432.1	426.2	420.3	413.4	407.5	405.5	402.5	404.5	408.5	408.5	410.4
52.5°	393.7	389.7	387.7	381.8	377.9	377.9	377.9	378.9	381.8	384.8	383.8
55°	360.1	357.2	355.2	352.2	347.3	348.3	347.3	349.3	352.2	355.2	357.2
57.5°	324.6	323.6	321.6	316.7	316.7	315.7	318.7	319.7	324.6	326.6	329.5
60°	293.0	290.1	290.1	286.1	286.1	286.1	289.1	292.0	296.0	297.0	298.9
62.5°	259.5	259.5	258.5	255.5	255.5	258.5	259.5	263.4	265.4	265.4	268.4
65°	227.9	226.9	225.9	226.9	227.9	227.9	230.9	232.8	234.8	235.8	236.8
67.5°	196.3	195.4	197.3	196.3	198.3	202.3	201.3	204.2	207.2	207.2	208.2
70°	166.7	168.7	167.7	169.7	168.7	170.7	173.6	174.6	174.6	175.6	178.6
72.5°	139.1	139.1	139.1	138.1	139.1	141.1	143.1	144.0	146.0	147.0	150.0
75°	112.5	112.5	110.5	112.5	112.5	114.4	116.4	116.4	116.4	118.4	121.4
77.5°	84.8	85.8	84.8	86.8	86.8	87.8	89.8	88.8	90.8	91.8	92.7
80°	62.2	61.2	61.2	61.2	62.2	62.2	64.1	65.1	65.1	68.1	66.1
82.5°	39.5	40.5	39.5	40.5	40.5	41.4	40.5	41.4	42.4	44.4	43.4
85°	22.7	21.7	21.7	22.7	21.7	21.7	22.7	21.7	22.7	21.7	22.7
87.5°	8.9	7.9	7.9	7.9	7.9	6.9	6.9	5.9	5.9	5.9	4.9
90°	8.4	9.4	11.2	14.7	18.3	21.8	25.4	25.1	24.8	24.5	24.2
92.5°	21.2	21.8	21.9	22.0	22.2	22.3	22.5	22.7	22.8	23.0	23.1
95°	44.2	45.0	45.2	45.5	45.8	46.2	46.5	46.5	46.5	46.5	46.5
97.5°	69.0	69.7	70.0	70.7	71.3	72.0	72.6	72.6	72.6	72.6	72.6
100°	97.4	98.0	98.2	98.7	99.2	99.7	100.2	100.2	100.2	100.2	100.2
102.5°	126.5	127.0	127.3	128.0	128.6	129.3	129.9	130.1	130.2	130.4	130.5
105°	158.0	158.2	158.4	158.7	159.0	159.4	159.7	160.0	160.3	160.6	160.9
107.5°	192.0	192.3	192.3	192.3	192.3	192.3	192.3	192.5	192.7	192.8	193.0
110°	225.2	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.7

TEST NUMBER: P1029689

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	260.1	260.6	260.5	260.3	260.2	260.0	259.8	259.3	258.9	258.4	257.9
115°	294.2	294.7	294.5	294.2	293.9	293.5	293.2	293.0	292.9	292.7	292.6
117.5°	329.6	330.2	329.8	329.0	328.2	327.4	326.6	326.1	325.6	325.1	324.6
120°	363.7	364.3	363.7	362.4	361.1	359.8	358.5	358.5	358.5	358.5	358.5
122.5°	396.2	397.0	396.6	395.8	395.0	394.2	393.4	392.9	392.4	391.9	391.4
125°	428.2	428.9	428.7	428.2	427.7	427.3	426.8	426.3	425.8	425.3	424.8
127.5°	461.4	462.3	462.0	461.3	460.7	460.0	459.4	458.8	458.1	457.5	456.8
130°	492.5	493.5	493.3	493.0	492.7	492.4	492.1	491.8	491.4	491.1	490.8
132.5°	523.9	524.7	524.8	525.0	525.1	525.3	525.5	524.7	523.9	523.0	522.2
135°	553.6	554.5	554.7	555.0	555.3	555.7	556.0	555.8	555.6	555.5	555.3
137.5°	584.3	585.0	585.2	585.5	585.8	586.1	586.4	586.2	586.1	585.9	585.8
140°	612.6	613.3	613.7	614.5	615.3	616.1	616.9	616.9	616.9	616.9	616.9
142.5°	641.6	642.3	642.5	643.0	643.5	644.0	644.5	644.7	644.8	645.0	645.1
145°	667.8	668.4	668.9	669.9	670.8	671.8	672.8	673.0	673.1	673.3	673.4
147.5°	693.9	694.6	694.9	695.6	696.2	696.9	697.5	697.8	698.1	698.4	698.7
150°	717.3	717.8	718.1	718.8	719.4	720.1	720.7	721.2	721.7	722.2	722.7
152.5°	739.8	740.3	740.7	741.5	742.3	743.1	743.9	744.5	745.2	745.8	746.5
155°	760.4	760.6	760.8	761.3	761.8	762.3	762.8	763.6	764.4	765.2	766.0
157.5°	779.3	779.5	779.7	780.0	780.3	780.6	780.9	782.0	783.2	784.3	785.4
160°	796.7	796.9	797.0	797.1	797.3	797.4	797.6	798.6	799.6	800.5	801.5
162.5°	811.4	811.4	811.5	811.7	811.8	812.0	812.2	813.3	814.4	815.5	816.6
165°	824.6	824.5	824.5	824.5	824.5	824.5	824.5	825.6	826.8	827.9	829.0
167.5°	835.6	835.4	835.4	835.4	835.4	835.4	835.4	836.5	837.7	838.8	839.9
170°	845.0	844.8	844.7	844.6	844.4	844.3	844.1	845.2	846.4	847.5	848.6
172.5°	851.5	851.3	851.2	851.1	850.9	850.8	850.6	851.7	852.9	854.0	855.1
175°	856.6	856.4	856.2	855.9	855.6	855.3	855.0	856.1	857.3	858.4	859.5
177.5°	859.5	859.3	859.1	858.8	858.5	858.2	857.9	858.9	859.8	860.8	861.7
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1

TEST NUMBER: P1029689

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1223.4	1226.4	1219.5	1217.5	1219.5	1212.6	1214.5	1216.5	1216.5	1219.5	1221.4
5°	1152.4	1148.4	1141.5	1139.5	1137.6	1140.5	1138.6	1141.5	1142.5	1149.4	1150.4
7.5°	1082.3	1076.4	1070.5	1064.6	1062.6	1057.7	1062.6	1062.6	1069.5	1067.5	1072.5
10°	999.4	998.5	990.6	987.6	983.7	975.8	986.6	983.7	988.6	997.5	999.4
12.5°	938.3	927.4	932.4	918.5	923.5	915.6	916.6	916.6	924.5	925.5	923.5
15°	880.1	871.2	858.4	852.4	849.5	845.5	858.4	859.3	853.4	867.2	862.3
17.5°	820.9	820.9	809.0	806.1	798.2	802.1	800.1	801.1	799.2	809.0	814.0
20°	769.6	764.6	760.7	761.7	751.8	749.8	747.9	749.8	756.7	763.6	765.6
22.5°	728.1	725.2	715.3	717.3	709.4	712.3	710.4	715.3	716.3	716.3	723.2
25°	688.7	684.7	685.7	681.8	678.8	678.8	675.8	678.8	682.7	684.7	685.7
27.5°	659.1	656.1	651.2	648.2	650.2	645.3	649.2	652.2	652.2	650.2	652.2
30°	623.5	625.5	625.5	615.7	619.6	617.6	620.6	622.6	622.6	623.5	621.6
32.5°	599.9	593.9	593.0	592.0	592.0	588.0	588.0	591.0	592.0	593.0	595.9
35°	568.3	568.3	563.4	566.3	562.4	563.4	562.4	563.4	565.3	562.4	565.3
37.5°	539.7	540.7	538.7	540.7	541.7	539.7	537.7	541.7	539.7	539.7	537.7
40°	515.0	514.0	515.0	515.0	515.0	516.0	514.0	514.0	514.0	512.1	510.1
42.5°	494.3	488.4	490.4	491.3	488.4	488.4	489.4	488.4	491.3	485.4	485.4
45°	464.7	462.7	463.7	463.7	465.7	462.7	464.7	465.7	462.7	461.7	459.8
47.5°	438.1	440.0	438.1	440.0	440.0	442.0	438.1	439.0	440.0	436.1	433.1
50°	411.4	411.4	414.4	413.4	414.4	412.4	412.4	411.4	412.4	410.4	407.5
52.5°	386.8	383.8	388.7	387.7	386.8	385.8	384.8	385.8	383.8	381.8	381.8
55°	356.2	356.2	359.1	360.1	360.1	358.1	356.2	357.2	356.2	355.2	354.2
57.5°	331.5	327.6	329.5	330.5	330.5	327.6	329.5	327.6	327.6	328.5	325.6
60°	299.9	299.9	298.0	300.9	300.9	298.9	298.9	299.9	298.0	297.0	296.0
62.5°	266.4	267.4	270.3	271.3	272.3	270.3	268.4	269.3	269.3	266.4	267.4
65°	237.8	239.7	243.7	242.7	240.7	241.7	239.7	240.7	237.8	238.8	235.8
67.5°	210.2	209.2	210.2	210.2	212.1	211.1	209.2	209.2	208.2	211.1	208.2
70°	180.6	180.6	180.6	180.6	181.5	182.5	180.6	178.6	179.6	177.6	176.6
72.5°	150.0	151.0	150.0	151.9	149.0	151.0	151.0	150.0	149.0	149.0	149.0
75°	121.4	123.3	120.4	121.4	120.4	122.3	121.4	121.4	119.4	118.4	119.4
77.5°	92.7	93.7	91.8	92.7	91.8	92.7	92.7	91.8	91.8	91.8	91.8
80°	66.1	67.1	66.1	65.1	64.1	66.1	64.1	65.1	66.1	65.1	67.1
82.5°	42.4	42.4	41.4	42.4	40.5	40.5	41.4	41.4	40.5	42.4	40.5
85°	20.7	20.7	22.7	20.7	19.7	19.7	19.7	20.7	19.7	21.7	20.7
87.5°	4.9	3.9	4.9	4.9	3.9	3.9	4.9	3.9	4.9	5.9	3.9
90°	24.0	24.1	24.2	24.4	24.5	24.7	24.5	24.4	24.2	24.1	24.0
92.5°	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
95°	46.5	46.3	46.0	45.7	45.3	45.0	45.3	45.7	46.0	46.3	46.5
97.5°	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
100°	100.2	100.1	99.9	99.8	99.6	99.4	99.6	99.8	99.9	100.1	100.2
102.5°	130.6	130.5	130.4	130.2	130.1	129.9	130.1	130.2	130.4	130.5	130.6
105°	161.1	161.1	161.1	161.1	161.1	161.1	161.1	161.1	161.1	161.1	161.1
107.5°	193.1	192.7	191.9	191.0	190.2	189.4	190.2	191.0	191.9	192.7	193.1
110°	225.7	225.5	225.0	224.5	224.0	223.5	224.0	224.5	225.0	225.5	225.7



TEST NUMBER: P1029689

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	257.7	257.5	257.2	256.9	256.5	256.2	256.5	256.9	257.2	257.5	257.7
115°	292.5	292.3	291.8	291.3	290.8	290.3	290.8	291.3	291.8	292.3	292.5
117.5°	324.4	324.2	323.7	323.2	322.7	322.2	322.7	323.2	323.7	324.2	324.4
120°	358.5	358.3	357.8	357.3	356.9	356.4	356.9	357.3	357.8	358.3	358.5
122.5°	391.2	391.0	390.7	390.4	390.0	389.7	390.0	390.4	390.7	391.0	391.2
125°	424.6	424.5	424.4	424.2	424.1	423.9	424.1	424.2	424.4	424.5	424.6
127.5°	456.5	456.3	455.8	455.3	454.8	454.3	454.8	455.3	455.8	456.3	456.5
130°	490.6	490.3	489.6	489.0	488.3	487.7	488.3	489.0	489.6	490.3	490.6
132.5°	521.8	521.6	521.1	520.6	520.2	519.7	520.2	520.6	521.1	521.6	521.8
135°	555.2	555.0	554.5	554.0	553.5	553.0	553.5	554.0	554.5	555.0	555.2
137.5°	585.7	585.4	584.7	584.1	583.4	582.8	583.4	584.1	584.7	585.4	585.7
140°	616.9	616.6	615.9	615.3	614.6	614.0	614.6	615.3	615.9	616.6	616.9
142.5°	645.2	644.9	644.2	643.6	642.9	642.3	642.9	643.6	644.2	644.9	645.2
145°	673.5	673.2	672.5	671.9	671.2	670.6	671.2	671.9	672.5	673.2	673.5
147.5°	698.9	698.6	697.9	697.3	696.6	696.0	696.6	697.3	697.9	698.6	698.9
150°	722.9	722.7	722.2	721.7	721.2	720.7	721.2	721.7	722.2	722.7	722.9
152.5°	746.8	746.5	745.8	745.2	744.5	743.9	744.5	745.2	745.8	746.5	746.8
155°	766.4	766.2	765.7	765.2	764.8	764.3	764.8	765.2	765.7	766.2	766.4
157.5°	786.0	785.6	784.8	784.0	783.2	782.4	783.2	784.0	784.8	785.6	786.0
160°	802.0	801.7	801.0	800.4	799.7	799.1	799.7	800.4	801.0	801.7	802.0
162.5°	817.2	816.8	816.0	815.2	814.4	813.6	814.4	815.2	816.0	816.8	817.2
165°	829.6	829.2	828.4	827.5	826.7	825.9	826.7	827.5	828.4	829.2	829.6
167.5°	840.5	840.1	839.3	838.4	837.6	836.8	837.6	838.4	839.3	840.1	840.5
170°	849.2	848.7	847.7	846.8	845.8	844.8	845.8	846.8	847.7	848.7	849.2
172.5°	855.7	855.2	854.2	853.3	852.3	851.3	852.3	853.3	854.2	855.2	855.7
175°	860.1	859.6	858.6	857.7	856.7	855.7	856.7	857.7	858.6	859.6	860.1
177.5°	862.2	861.7	860.8	859.8	858.9	857.9	858.9	859.8	860.8	861.7	862.2
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1

TEST NUMBER: P1029689

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1218.5	1226.4	1223.4	1212.6	1225.4	1225.4	1234.3	1234.3	1245.1	1249.1	1255.0
5°	1149.4	1155.3	1160.3	1155.3	1164.2	1178.0	1185.9	1192.8	1207.6	1213.5	1222.4
7.5°	1075.4	1086.3	1091.2	1091.2	1106.0	1121.8	1137.6	1147.4	1168.2	1176.1	1184.9
10°	1003.4	1016.2	1026.1	1025.1	1049.8	1059.6	1079.4	1102.1	1122.8	1134.6	1147.4
12.5°	927.4	934.3	948.1	967.9	973.8	991.6	1014.2	1042.9	1080.4	1091.2	1109.9
15°	864.3	883.0	893.9	902.8	916.6	933.3	958.0	985.6	1023.1	1046.8	1066.5
17.5°	811.0	835.7	842.6	840.6	858.4	884.0	912.6	933.3	966.9	995.5	1014.2
20°	767.6	777.5	789.3	794.2	808.0	835.7	863.3	887.0	914.6	937.3	959.0
22.5°	724.2	732.1	741.9	750.8	761.7	777.5	804.1	833.7	860.3	882.0	906.7
25°	688.7	693.6	702.5	709.4	721.2	732.1	750.8	783.4	814.9	827.8	849.5
27.5°	654.1	658.1	664.0	671.9	677.8	688.7	705.4	732.1	764.6	777.5	807.1
30°	623.5	626.5	632.4	636.4	639.3	652.2	665.0	685.7	710.4	728.1	749.8
32.5°	594.9	597.9	603.8	604.8	608.7	615.7	627.5	646.2	667.9	682.7	701.5
35°	563.4	565.3	571.3	573.2	576.2	582.1	591.0	604.8	624.5	635.4	652.2
37.5°	538.7	537.7	541.7	544.6	548.6	551.5	554.5	568.3	583.1	593.0	605.8
40°	512.1	510.1	511.1	515.0	517.0	520.9	520.9	534.7	544.6	552.5	562.4
42.5°	485.4	484.4	482.5	484.4	486.4	487.4	488.4	498.2	508.1	515.0	525.9
45°	458.8	457.8	455.8	456.8	456.8	458.8	461.7	465.7	472.6	478.5	484.4
47.5°	434.1	432.1	429.2	428.2	430.2	430.2	430.2	434.1	441.0	443.0	448.9
50°	408.5	405.5	401.6	399.6	399.6	398.6	400.6	401.6	407.5	409.4	414.4
52.5°	380.8	378.9	374.9	371.0	372.0	370.0	371.0	372.0	373.9	376.9	379.8
55°	353.2	349.3	346.3	345.3	342.4	342.4	339.4	343.3	342.4	343.3	347.3
57.5°	326.6	322.6	317.7	315.7	312.8	311.8	309.8	308.8	309.8	312.8	315.7
60°	295.0	293.0	290.1	287.1	285.1	282.2	280.2	280.2	279.2	279.2	280.2
62.5°	264.4	263.4	259.5	258.5	256.5	254.5	251.6	249.6	249.6	251.6	252.6
65°	234.8	233.8	230.9	229.9	224.9	223.0	222.0	221.0	219.0	219.0	219.0
67.5°	207.2	204.2	204.2	199.3	195.4	193.4	191.4	190.4	190.4	190.4	191.4
70°	176.6	176.6	173.6	170.7	166.7	167.7	164.8	161.8	161.8	159.8	160.8
72.5°	147.0	146.0	143.1	142.1	139.1	136.2	134.2	136.2	133.2	132.2	133.2
75°	118.4	117.4	115.4	113.5	114.4	111.5	108.5	107.5	107.5	105.6	105.6
77.5°	90.8	92.7	88.8	87.8	85.8	83.9	82.9	81.9	81.9	81.9	83.9
80°	63.1	64.1	64.1	62.2	63.1	60.2	60.2	60.2	57.2	58.2	59.2
82.5°	40.5	40.5	39.5	40.5	39.5	39.5	38.5	38.5	37.5	37.5	38.5
85°	22.7	21.7	20.7	22.7	21.7	21.7	20.7	20.7	20.7	20.7	20.7
87.5°	4.9	5.9	5.9	5.9	5.9	6.9	6.9	6.9	7.9	7.9	7.9
90°	24.2	24.5	24.8	25.1	25.4	21.8	18.3	14.7	11.2	9.4	8.4
92.5°	23.1	23.0	22.8	22.7	22.5	22.3	22.2	22.0	21.9	21.8	21.2
95°	46.5	46.5	46.5	46.5	46.5	46.2	45.8	45.5	45.2	45.0	44.2
97.5°	72.6	72.6	72.6	72.6	72.6	72.0	71.3	70.7	70.0	69.7	69.0
100°	100.2	100.2	100.2	100.2	100.2	99.7	99.2	98.7	98.2	98.0	97.4
102.5°	130.5	130.4	130.2	130.1	129.9	129.3	128.6	128.0	127.3	127.0	126.5
105°	160.9	160.6	160.3	160.0	159.7	159.4	159.0	158.7	158.4	158.2	158.0
107.5°	193.0	192.8	192.7	192.5	192.3	192.3	192.3	192.3	192.3	192.3	192.0
110°	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.2

TEST NUMBER: P1029689

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	257.9	258.4	258.9	259.3	259.8	260.0	260.2	260.3	260.5	260.6	260.1
115°	292.6	292.7	292.9	293.0	293.2	293.5	293.9	294.2	294.5	294.7	294.2
117.5°	324.6	325.1	325.6	326.1	326.6	327.4	328.2	329.0	329.8	330.2	329.6
120°	358.5	358.5	358.5	358.5	358.5	359.8	361.1	362.4	363.7	364.3	363.7
122.5°	391.4	391.9	392.4	392.9	393.4	394.2	395.0	395.8	396.6	397.0	396.2
125°	424.8	425.3	425.8	426.3	426.8	427.3	427.7	428.2	428.7	428.9	428.2
127.5°	456.8	457.5	458.1	458.8	459.4	460.0	460.7	461.3	462.0	462.3	461.4
130°	490.8	491.1	491.4	491.8	492.1	492.4	492.7	493.0	493.3	493.5	492.5
132.5°	522.2	523.0	523.9	524.7	525.5	525.3	525.1	525.0	524.8	524.7	523.9
135°	555.3	555.5	555.6	555.8	556.0	555.7	555.3	555.0	554.7	554.5	553.6
137.5°	585.8	585.9	586.1	586.2	586.4	586.1	585.8	585.5	585.2	585.0	584.3
140°	616.9	616.9	616.9	616.9	616.9	616.1	615.3	614.5	613.7	613.3	612.6
142.5°	645.1	645.0	644.8	644.7	644.5	644.0	643.5	643.0	642.5	642.3	641.6
145°	673.4	673.3	673.1	673.0	672.8	671.8	670.8	669.9	668.9	668.4	667.8
147.5°	698.7	698.4	698.1	697.8	697.5	696.9	696.2	695.6	694.9	694.6	693.9
150°	722.7	722.2	721.7	721.2	720.7	720.1	719.4	718.8	718.1	717.8	717.3
152.5°	746.5	745.8	745.2	744.5	743.9	743.1	742.3	741.5	740.7	740.3	739.8
155°	766.0	765.2	764.4	763.6	762.8	762.3	761.8	761.3	760.8	760.6	760.4
157.5°	785.4	784.3	783.2	782.0	780.9	780.6	780.3	780.0	779.7	779.5	779.3
160°	801.5	800.5	799.6	798.6	797.6	797.4	797.3	797.1	797.0	796.9	796.7
162.5°	816.6	815.5	814.4	813.3	812.2	812.0	811.8	811.7	811.5	811.4	811.4
165°	829.0	827.9	826.8	825.6	824.5	824.5	824.5	824.5	824.5	824.5	824.6
167.5°	839.9	838.8	837.7	836.5	835.4	835.4	835.4	835.4	835.4	835.4	835.6
170°	848.6	847.5	846.4	845.2	844.1	844.3	844.4	844.6	844.7	844.8	845.0
172.5°	855.1	854.0	852.9	851.7	850.6	850.8	850.9	851.1	851.2	851.3	851.5
175°	859.5	858.4	857.3	856.1	855.0	855.3	855.6	855.9	856.2	856.4	856.6
177.5°	861.7	860.8	859.8	858.9	857.9	858.2	858.5	858.8	859.1	859.3	859.5
180°	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1	860.1

TEST NUMBER: P1029689

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1283.6	1283.6	1283.6	1283.6
2.5°	1259.9	1259.9	1274.7	1290.5
5°	1232.3	1239.2	1262.9	1284.6
7.5°	1205.7	1217.5	1247.1	1274.7
10°	1173.1	1188.9	1225.4	1257.9
12.5°	1141.5	1156.3	1198.7	1235.2
15°	1097.1	1115.9	1161.3	1206.6
17.5°	1052.7	1071.5	1126.7	1180.0
20°	1000.4	1025.1	1087.3	1158.3
22.5°	952.1	982.7	1051.7	1109.0
25°	898.8	946.2	1010.3	1084.3
27.5°	851.5	898.8	963.9	1038.9
30°	798.2	846.5	913.6	982.7
32.5°	746.9	791.3	856.4	941.2
35°	693.6	736.0	799.2	885.0
37.5°	645.3	686.7	755.8	834.7
40°	597.9	641.3	700.5	779.4
42.5°	553.5	592.0	645.3	724.2
45°	513.0	540.7	590.0	664.0
47.5°	470.6	495.3	540.7	614.7
50°	431.2	451.9	491.3	560.4
52.5°	392.7	410.4	446.9	502.2
55°	358.1	374.9	401.6	455.8
57.5°	322.6	335.5	361.1	404.5
60°	288.1	299.9	320.7	356.2
62.5°	253.6	263.4	283.2	311.8
65°	223.0	230.9	245.7	270.3
67.5°	193.4	198.3	210.2	229.9
70°	164.8	168.7	178.6	194.4
72.5°	134.2	138.1	149.0	159.8
75°	108.5	109.5	117.4	126.3
77.5°	84.8	83.9	89.8	96.7
80°	58.2	61.2	66.1	69.1
82.5°	39.5	40.5	42.4	44.4
85°	21.7	22.7	22.7	25.7
87.5°	8.9	9.9	9.9	10.9
90°	6.5	4.6	2.6	0.7
92.5°	19.9	18.6	17.3	16.0
95°	42.6	40.9	39.3	37.7
97.5°	67.5	66.0	64.6	63.1
100°	96.1	94.8	93.5	92.2
102.5°	125.6	124.6	123.7	122.7
105°	157.5	157.0	156.5	156.0
107.5°	191.3	190.7	190.0	189.4
110°	224.3	223.3	222.4	221.4

TEST NUMBER: P1029689

CATALOG NUMBER: S122DIW-B675D710UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	259.1	258.2	257.2	256.2
115°	293.2	292.3	291.3	290.3
117.5°	328.3	327.0	325.7	324.4
120°	362.4	361.1	359.8	358.5
122.5°	394.6	392.9	391.3	389.7
125°	426.7	425.3	423.8	422.4
127.5°	459.6	457.9	456.1	454.3
130°	490.4	488.3	486.2	484.1
132.5°	522.3	520.7	519.1	517.5
135°	551.8	550.1	548.3	546.5
137.5°	582.8	581.4	579.9	578.5
140°	611.1	609.7	608.2	606.8
142.5°	640.1	638.7	637.2	635.8
145°	666.7	665.6	664.5	663.4
147.5°	692.4	690.9	689.5	688.0
150°	716.3	715.4	714.4	713.4
152.5°	738.8	737.9	736.9	735.9
155°	759.9	759.4	758.9	758.4
157.5°	779.0	778.7	778.3	778.0
160°	796.4	796.1	795.8	795.5
162.5°	811.4	811.4	811.4	811.4
165°	824.7	824.9	825.0	825.2
167.5°	836.1	836.6	837.1	837.6
170°	845.5	846.0	846.5	847.0
172.5°	852.0	852.5	853.0	853.5
175°	857.1	857.6	858.1	858.6
177.5°	860.0	860.5	861.0	861.5
180°	860.1	860.1	860.1	860.1

(END OF REPORT)