

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: P1030883

Luminaire Tested: S123DIW-B560D1320UB2750-4F0-XX-W2A-A_5000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1030883
REPORT IS A COMBINATION OF REPORTS P991590 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIW-B560D1320UB2750-4F0-XX-W2A-A_5000K
Description: Define 3 Direct/Indirect Wall Mount with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

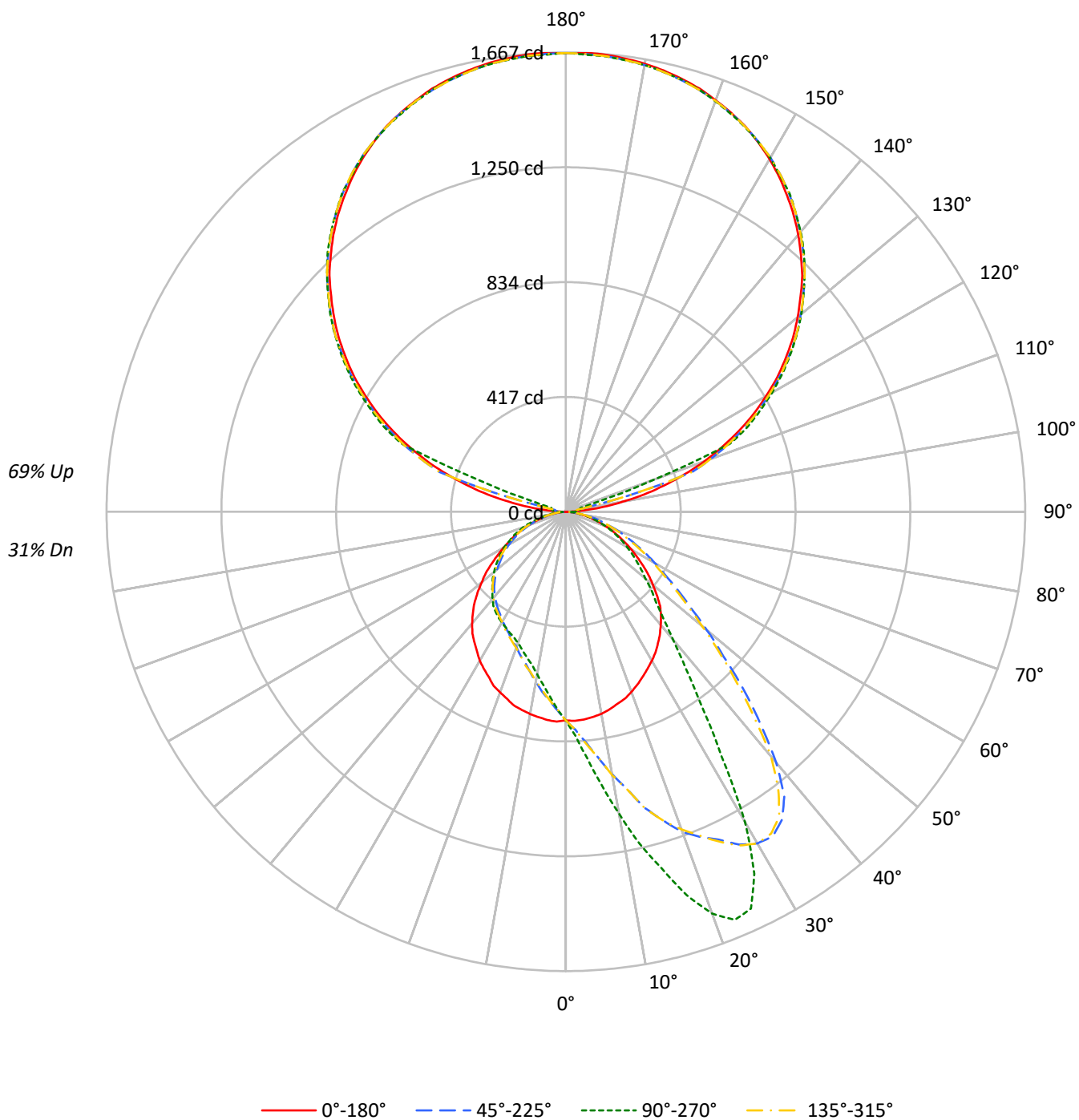
Lumens per Lamp: N/A
Luminaire Lumens: 7364.0 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 66.1
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					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	103	103	103	103	92	92	92	92		73	73	73		55	55	55		39	39	39
1	94	90	86	83	84	81	78	75		64	62	60		49	47	46		34	34	33
2	85	78	73	68	77	71	66	62		56	53	50		43	41	39		31	29	28
3	78	69	62	56	70	62	56	52		50	45	42		38	35	33		27	25	24
4	71	61	53	48	64	55	49	44		44	39	36		34	31	28		24	22	21
5	65	54	46	41	59	49	42	37		39	35	31		30	27	24		22	20	18
6	60	49	41	35	54	44	37	32		35	30	27		27	24	21		20	18	16
7	56	44	36	31	50	40	33	28		32	27	24		25	21	19		18	16	14
8	51	40	32	27	46	36	29	25		29	24	21		23	19	17		17	14	13
9	48	36	29	24	43	33	26	22		27	22	19		21	17	15		15	13	11
10	45	33	26	21	40	30	24	20		24	20	17		19	16	13		14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8149	8149	8149	8149
5°	8155	9389	8179	7008
10°	8103	11363	8110	6120
15°	7991	13475	8055	5509
20°	7895	15514	7911	5068
25°	7751	15905	7768	4839
30°	7649	13141	7649	4689
35°	7523	8788	7475	4556
40°	7370	6344	7279	4353
45°	7179	5026	6973	4100
50°	6716	4267	6477	3852
55°	6208	3750	5956	3575
60°	5691	3266	5390	3284
65°	5125	2795	4876	2897
70°	4538	2321	4235	2442
75°	3880	1750	3629	1885
80°	3067	1168	2828	1238
85°	2113	536	1691	488

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 13142 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.5	1.0
10°-20°	239.1	3.2
20°-30°	402.4	5.5
30°-40°	454.7	6.2
40°-50°	407.3	5.5
50°-60°	328.8	4.5
60°-70°	229.1	3.1
70°-80°	120.2	1.6
80°-90°	32.2	0.4
90°-100°	58.7	0.8
100°-110°	283.9	3.9
110°-120°	695.6	9.4
120°-130°	883.1	12.0
130°-140°	943.4	12.8
140°-150°	882.1	12.0
150°-160°	711.5	9.7
160°-170°	459.2	6.2
170°-180°	158.2	2.1
0°-30°	716.0	9.7
0°-40°	1170.7	15.9
0°-60°	1906.8	25.9
0°-90°	2288.3	31.1
90°-120°	1038.2	14.1
90°-150°	3746.7	50.9
90°-180°	5076.0	68.9
0°-180°	7364.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	757	757	757	757	757	
5°	756	899	759	671	756	72
15°	722	1339	728	547	722	204
25°	660	1589	662	483	660	305
35°	582	856	579	444	582	365
45°	483	462	470	377	483	370
55°	343	314	329	299	343	307
65°	212	204	202	211	212	211
75°	102	105	95	113	102	109
85°	22	24	18	22	22	25
90°	1	37	1	37	1	6
95°	76	47	76	47	76	90
105°	369	54	369	54	369	391
115°	692	727	692	727	692	683
125°	975	994	975	994	975	871
135°	1213	1226	1213	1226	1213	934
145°	1400	1414	1400	1414	1400	877
155°	1542	1540	1542	1540	1542	711
165°	1627	1623	1627	1623	1627	460
175°	1665	1659	1665	1659	1665	158
180°	1665	1665	1665	1665	1665	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1
2.5°	759.3	765.2	768.1	772.5	776.9	783.5	785.7	789.4	787.9	790.8	792.3
5°	756.4	766.6	775.4	786.4	796.7	804.0	811.4	823.1	831.9	833.4	840.0
7.5°	751.2	765.9	781.3	796.7	816.5	828.2	841.4	857.6	870.8	892.1	900.1
10°	744.6	765.2	787.2	808.4	835.6	853.9	870.1	897.2	924.3	946.4	966.9
12.5°	734.3	760.0	788.6	820.2	855.4	876.7	898.7	934.6	975.7	1009.4	1031.5
15°	721.9	754.1	790.8	824.6	863.5	903.1	926.5	966.9	1025.6	1057.1	1113.6
17.5°	711.6	744.6	781.3	834.1	886.9	926.5	943.4	1017.5	1057.9	1110.7	1174.5
20°	695.5	737.3	784.2	837.0	905.3	929.5	964.0	1038.8	1088.7	1157.6	1236.1
22.5°	678.6	723.3	779.8	834.8	911.1	936.8	983.8	1043.2	1122.4	1190.6	1277.2
25°	660.2	708.7	765.9	831.2	906.0	943.4	987.4	1060.8	1146.6	1232.5	1312.4
27.5°	641.9	694.7	754.1	819.4	892.1	936.1	980.1	1056.4	1166.4	1259.6	1361.6
30°	624.3	677.1	736.5	803.3	879.6	922.1	964.0	1059.3	1181.8	1286.7	1389.5
32.5°	605.2	659.5	721.9	777.6	854.7	900.1	947.1	1059.3	1191.4	1302.9	1396.8
35°	582.5	638.2	691.8	747.5	823.8	874.5	927.3	1052.0	1200.2	1308.0	1366.0
37.5°	560.5	609.6	655.8	710.1	790.1	844.4	905.3	1043.2	1195.8	1286.0	1302.2
40°	535.5	584.7	622.1	672.7	757.1	820.2	881.8	1031.5	1176.7	1233.9	1187.0
42.5°	511.3	550.2	582.5	631.6	723.3	785.0	851.7	1010.2	1139.3	1151.0	1045.4
45°	483.4	511.3	539.9	595.7	686.7	749.7	823.8	979.4	1079.1	1045.4	911.9
47.5°	447.5	472.4	504.0	555.3	647.8	713.1	783.5	939.8	991.8	921.4	775.4
50°	413.0	434.3	463.6	513.5	606.7	670.5	745.3	877.4	903.1	792.3	668.3
52.5°	378.5	394.7	423.3	473.2	566.3	628.0	696.2	813.6	798.9	680.1	570.0
55°	342.6	356.5	383.7	432.8	519.4	578.1	643.4	735.1	696.9	584.0	495.9
57.5°	307.4	322.1	349.9	391.0	472.4	529.7	581.8	653.6	596.4	506.2	428.4
60°	275.8	288.3	309.6	349.9	424.0	470.2	517.9	567.1	519.4	432.1	372.7
62.5°	242.8	254.6	274.4	311.0	374.9	416.0	454.1	494.5	441.6	377.8	325.0
65°	212.0	221.5	239.9	273.6	325.7	359.5	390.3	418.2	375.6	316.9	277.3
67.5°	184.1	192.2	207.6	237.7	281.7	305.9	330.9	354.3	318.4	271.4	237.7
70°	154.1	160.7	174.6	196.6	231.8	256.8	275.1	292.7	260.4	223.0	200.3
72.5°	127.6	134.3	143.1	165.8	190.0	205.4	225.2	234.8	216.4	185.6	162.9
75°	102.0	107.1	115.2	129.8	152.6	162.9	175.3	182.7	165.8	145.3	131.3
77.5°	80.0	82.2	88.0	98.3	113.7	125.4	135.0	139.4	127.6	114.4	102.7
80°	56.5	59.4	63.8	72.6	84.4	88.0	93.9	99.0	91.7	80.0	72.6
82.5°	37.4	41.1	43.3	47.0	54.3	58.7	60.2	64.6	58.0	53.6	50.6
85°	22.0	23.5	24.2	26.4	30.1	32.3	34.5	35.2	33.7	33.0	30.1
87.5°	11.0	11.0	11.0	12.5	13.2	14.7	15.4	15.4	15.4	14.7	13.9
90°	1.2	4.0	6.7	9.5	12.2	13.6	15.4	19.0	22.5	26.1	29.7
92.5°	28.4	26.8	25.1	23.5	21.8	21.0	22.2	24.7	27.2	29.7	32.2
95°	75.5	64.2	52.9	41.6	30.3	24.7	26.2	29.2	32.3	35.3	38.3
97.5°	137.3	129.6	121.9	114.2	106.5	102.7	95.7	81.7	67.6	53.6	39.6
100°	209.0	214.5	220.0	225.5	231.0	233.8	212.4	169.5	126.6	83.7	40.8
102.5°	290.7	294.3	297.9	301.4	305.0	306.8	282.9	235.0	187.2	139.3	91.5
105°	368.6	371.6	374.6	377.7	380.7	382.2	369.8	345.1	320.4	295.6	270.9
107.5°	451.5	454.0	456.4	458.9	461.4	462.6	464.7	468.8	472.9	477.1	481.2
110°	534.4	536.6	538.8	541.0	543.2	544.3	545.8	548.8	551.9	554.9	557.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	613.5	615.4	617.4	619.3	621.2	622.2	623.7	626.7	629.8	632.8	635.8
115°	691.5	693.1	694.8	696.4	698.1	698.9	700.1	702.6	705.1	707.5	710.0
117.5°	768.1	770.0	772.0	773.9	775.8	776.8	777.5	778.9	780.2	781.6	783.0
120°	838.6	841.1	843.6	846.1	848.6	849.8	850.2	851.0	851.9	852.7	853.5
122.5°	910.4	912.3	914.3	916.2	918.1	919.1	919.6	920.7	921.8	922.9	924.0
125°	974.7	976.9	979.1	981.3	983.5	984.6	985.2	986.3	987.4	988.5	989.6
127.5°	1039.0	1041.2	1043.4	1045.6	1047.8	1048.9	1049.6	1051.0	1052.3	1053.7	1055.1
130°	1098.4	1100.6	1102.8	1105.0	1107.2	1108.3	1108.9	1110.0	1111.1	1112.2	1113.3
132.5°	1155.3	1157.5	1159.7	1161.9	1164.1	1165.2	1165.6	1166.4	1167.3	1168.1	1168.9
135°	1213.4	1215.1	1216.7	1218.4	1220.1	1220.9	1221.4	1222.5	1223.6	1224.7	1225.8
137.5°	1262.9	1265.1	1267.3	1269.5	1271.7	1272.8	1273.1	1273.6	1274.2	1274.7	1275.3
140°	1312.4	1314.0	1315.7	1317.3	1319.0	1319.8	1320.2	1321.0	1321.9	1322.7	1323.5
142.5°	1358.2	1359.8	1361.5	1363.1	1364.8	1365.6	1366.0	1366.8	1367.7	1368.5	1369.3
145°	1400.2	1402.1	1404.1	1406.0	1407.9	1408.9	1409.2	1409.7	1410.3	1410.8	1411.4
147.5°	1441.0	1442.4	1443.8	1445.1	1446.5	1447.2	1447.5	1448.0	1448.6	1449.1	1449.7
150°	1478.1	1478.9	1479.8	1480.6	1481.5	1481.9	1482.2	1482.7	1483.2	1483.8	1484.3
152.5°	1511.5	1511.8	1512.1	1512.4	1512.7	1512.8	1512.9	1513.2	1513.5	1513.7	1514.0
155°	1542.5	1541.9	1541.4	1540.8	1540.3	1540.0	1540.1	1540.4	1540.7	1540.9	1541.2
157.5°	1567.2	1567.2	1567.2	1567.2	1567.2	1567.2	1567.1	1566.8	1566.5	1566.3	1566.0
160°	1589.5	1589.2	1588.9	1588.6	1588.3	1588.2	1588.1	1587.8	1587.5	1587.3	1587.0
162.5°	1610.5	1609.7	1608.9	1608.0	1607.2	1606.8	1606.7	1606.4	1606.1	1605.9	1605.6
165°	1626.6	1625.8	1625.0	1624.1	1623.3	1622.9	1622.8	1622.5	1622.2	1621.9	1621.6
167.5°	1640.2	1639.1	1638.0	1636.9	1635.8	1635.2	1635.2	1635.2	1635.2	1635.2	1635.2
170°	1651.3	1650.2	1649.1	1648.0	1646.9	1646.4	1646.4	1646.4	1646.4	1646.4	1646.4
172.5°	1658.7	1657.3	1656.0	1654.6	1653.3	1652.6	1652.7	1653.0	1653.3	1653.5	1653.8
175°	1664.9	1663.5	1662.1	1660.8	1659.4	1658.7	1658.8	1659.1	1659.4	1659.7	1660.0
177.5°	1667.4	1666.0	1664.6	1663.3	1661.9	1661.2	1661.3	1661.6	1661.9	1662.2	1662.5
180°	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1
2.5°	797.4	798.9	804.0	807.7	815.0	814.3	814.3	813.6	811.4	815.0	817.2
5°	853.2	865.7	867.1	883.3	884.0	890.6	895.0	891.3	900.1	899.4	892.8
7.5°	922.1	939.0	947.1	962.5	980.1	975.7	992.6	995.5	994.0	1001.4	1006.5
10°	997.7	1027.1	1047.6	1076.2	1083.5	1087.9	1098.9	1108.5	1127.6	1112.9	1122.4
12.5°	1084.3	1105.5	1132.7	1178.2	1200.9	1215.6	1220.7	1227.3	1240.5	1232.5	1233.2
15°	1156.9	1185.5	1231.7	1288.2	1294.8	1313.2	1308.8	1348.4	1367.4	1338.8	1355.0
17.5°	1232.5	1270.6	1325.6	1374.8	1402.7	1415.1	1426.9	1465.0	1463.5	1459.1	1462.8
20°	1280.9	1343.2	1411.5	1476.8	1484.8	1494.4	1525.9	1542.0	1539.1	1551.6	1559.7
22.5°	1349.1	1415.1	1487.8	1531.0	1549.4	1560.4	1585.3	1595.6	1600.0	1602.9	1597.8
25°	1406.3	1476.8	1530.3	1568.5	1579.5	1585.3	1593.4	1596.3	1594.1	1589.0	1593.4
27.5°	1445.2	1501.7	1538.4	1556.0	1550.1	1540.6	1525.2	1514.9	1492.2	1481.2	1494.4
30°	1461.3	1486.3	1497.3	1467.9	1438.6	1415.1	1385.8	1331.5	1288.9	1301.4	1284.5
32.5°	1435.7	1419.5	1366.7	1291.2	1268.4	1230.3	1147.4	1083.5	1085.7	1052.0	1065.9
35°	1360.1	1286.7	1187.0	1072.5	1042.5	1021.9	930.9	917.0	887.7	856.1	864.9
37.5°	1226.6	1119.5	998.4	914.1	869.3	824.6	773.2	742.4	724.8	711.6	721.9
40°	1063.7	933.1	833.4	757.8	719.7	691.1	655.8	625.0	605.2	603.0	606.7
42.5°	903.8	793.8	702.1	630.2	617.7	584.0	561.2	537.0	531.1	521.6	526.7
45°	765.2	675.7	600.1	541.4	526.7	517.9	490.1	474.6	468.0	462.2	471.0
47.5°	664.6	570.7	515.7	480.5	465.8	451.2	435.8	425.5	420.4	421.1	420.4
50°	567.8	498.9	450.4	423.3	414.5	404.2	391.7	385.1	382.9	376.3	381.5
52.5°	488.6	438.7	405.0	379.3	372.7	365.3	355.1	351.4	346.3	344.8	344.8
55°	424.8	385.9	358.7	341.9	333.8	327.9	322.1	317.7	314.0	314.0	314.0
57.5°	374.9	341.1	321.3	306.6	303.7	297.8	291.2	291.2	286.1	285.4	287.6
60°	332.3	302.2	286.8	274.4	270.0	268.5	261.9	261.9	260.4	256.8	259.7
62.5°	289.0	267.0	253.8	244.3	239.9	239.9	234.8	231.1	231.1	231.8	230.4
65°	249.4	233.3	221.5	214.2	212.0	209.1	208.3	205.4	203.2	203.9	203.2
67.5°	214.2	201.7	193.7	187.8	184.1	182.7	180.5	180.5	179.0	179.7	176.1
70°	182.7	170.2	163.6	157.7	156.3	156.3	153.3	154.1	152.6	154.8	153.3
72.5°	150.4	140.9	135.7	133.5	132.0	131.3	129.8	128.4	127.6	129.1	128.4
75°	121.8	113.7	110.0	108.6	107.1	107.1	106.4	105.6	104.9	104.9	104.9
77.5°	94.6	89.5	85.1	86.6	84.4	85.1	82.9	82.9	83.6	82.9	82.9
80°	69.7	66.0	66.0	64.6	61.6	63.1	63.1	60.9	60.2	61.6	59.4
82.5°	46.2	45.5	44.0	43.3	41.8	42.5	41.8	41.1	40.3	41.8	40.3
85°	27.1	27.1	26.4	24.9	26.4	25.7	24.9	24.9	24.2	24.2	24.2
87.5°	13.9	12.5	12.5	11.7	12.5	11.0	11.7	11.0	10.3	11.0	10.3
90°	30.8	31.9	33.0	34.1	34.6	34.9	35.4	36.0	36.5	37.1	36.5
92.5°	34.1	36.0	37.9	39.8	40.8	40.9	41.2	41.5	41.8	42.1	41.8
95°	40.2	42.2	44.1	46.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
97.5°	41.8	44.0	46.2	48.4	49.5	49.6	49.9	50.2	50.4	50.7	50.4
100°	43.0	45.2	47.4	49.6	50.7	50.8	51.1	51.4	51.7	52.0	51.7
102.5°	82.4	73.4	64.3	55.2	50.7	51.0	51.5	52.1	52.6	53.2	52.6
105°	222.3	173.6	125.0	76.3	52.0	52.3	52.8	53.3	53.9	54.4	53.9
107.5°	438.9	396.5	354.2	311.9	290.7	272.7	236.7	200.6	164.6	128.6	164.6
110°	548.8	539.7	530.6	521.5	517.0	497.4	458.1	418.8	379.5	340.2	379.5

TEST NUMBER: P1030883

CATALOG NUMBER: S123DIW-B560D1320UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	638.3	640.7	643.2	645.7	646.9	646.6	646.1	645.5	645.0	644.4	645.0
115°	712.8	715.5	718.3	721.0	722.4	722.9	724.0	725.1	726.2	727.3	726.2
117.5°	785.2	787.4	789.6	791.8	792.9	793.0	793.3	793.6	793.8	794.1	793.8
120°	855.7	857.9	860.1	862.3	863.4	863.4	863.4	863.4	863.4	863.4	863.4
122.5°	925.4	926.8	928.1	929.5	930.2	930.3	930.6	930.9	931.1	931.4	931.1
125°	990.1	990.7	991.2	991.7	992.0	992.3	992.8	993.4	993.9	994.5	993.9
127.5°	1055.9	1056.7	1057.6	1058.4	1058.8	1058.5	1058.0	1057.5	1056.9	1056.4	1056.9
130°	1114.4	1115.5	1116.6	1117.7	1118.2	1117.9	1117.4	1116.8	1116.3	1115.7	1116.3
132.5°	1170.0	1171.1	1172.2	1173.3	1173.9	1173.5	1172.7	1171.8	1171.0	1170.2	1171.0
135°	1226.6	1227.4	1228.3	1229.1	1229.5	1229.1	1228.3	1227.4	1226.6	1225.8	1226.6
137.5°	1276.7	1278.1	1279.4	1280.8	1281.5	1281.2	1280.7	1280.1	1279.6	1279.0	1279.6
140°	1324.6	1325.7	1326.8	1327.9	1328.5	1328.2	1327.7	1327.1	1326.6	1326.0	1326.6
142.5°	1370.1	1370.9	1371.8	1372.6	1373.0	1372.6	1371.8	1370.9	1370.1	1369.3	1370.1
145°	1411.9	1412.5	1413.0	1413.5	1413.8	1413.8	1413.8	1413.8	1413.8	1413.8	1413.8
147.5°	1450.3	1450.8	1451.4	1451.9	1452.2	1451.5	1450.1	1448.8	1447.4	1446.0	1447.4
150°	1484.9	1485.4	1486.0	1486.5	1486.8	1486.4	1485.6	1484.7	1483.9	1483.1	1483.9
152.5°	1515.1	1516.2	1517.3	1518.4	1519.0	1518.3	1516.9	1515.6	1514.2	1512.8	1514.2
155°	1542.6	1544.0	1545.3	1546.7	1547.4	1546.6	1544.9	1543.3	1541.6	1540.0	1541.6
157.5°	1567.6	1569.3	1570.9	1572.6	1573.4	1572.3	1570.1	1567.9	1565.7	1563.5	1565.7
160°	1588.6	1590.3	1591.9	1593.6	1594.4	1593.4	1591.5	1589.6	1587.7	1585.8	1587.7
162.5°	1607.5	1609.4	1611.3	1613.2	1614.2	1613.4	1611.7	1610.1	1608.4	1606.8	1608.4
165°	1623.8	1626.0	1628.2	1630.4	1631.5	1630.5	1628.6	1626.7	1624.8	1622.9	1624.8
167.5°	1637.4	1639.6	1641.8	1644.0	1645.1	1644.0	1641.8	1639.6	1637.4	1635.2	1637.4
170°	1648.6	1650.8	1653.0	1655.2	1656.3	1655.2	1653.0	1650.8	1648.6	1646.4	1648.6
172.5°	1656.0	1658.2	1660.4	1662.6	1663.7	1662.5	1660.0	1657.5	1655.1	1652.6	1655.1
175°	1661.9	1663.8	1665.7	1667.6	1668.6	1667.5	1665.3	1663.1	1660.9	1658.7	1660.9
177.5°	1664.7	1666.9	1669.0	1671.2	1672.3	1670.9	1668.2	1665.5	1662.7	1660.0	1662.7
180°	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9

TEST NUMBER: P1030883

CATALOG NUMBER: S123DIW-B560D1320UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1
2.5°	811.4	813.6	807.7	806.2	806.2	809.2	807.0	787.2	790.8	786.4	785.0
5°	900.9	896.5	890.6	887.7	884.0	873.7	873.0	850.3	845.9	831.2	824.6
7.5°	999.2	995.5	977.9	975.7	974.2	964.7	940.5	916.3	898.7	881.8	865.7
10°	1111.4	1100.4	1092.3	1076.2	1068.1	1054.9	1023.4	1000.6	970.6	944.9	911.1
12.5°	1246.4	1233.9	1206.8	1195.0	1184.8	1148.1	1116.6	1090.9	1032.2	1014.6	972.8
15°	1345.4	1319.0	1316.1	1290.4	1288.9	1248.6	1188.4	1160.6	1115.1	1050.5	1007.2
17.5°	1452.5	1429.1	1410.7	1379.9	1375.5	1337.4	1293.4	1225.1	1175.2	1113.6	1058.6
20°	1531.0	1518.6	1487.0	1474.6	1448.9	1416.6	1371.1	1286.7	1225.9	1164.2	1096.7
22.5°	1593.4	1580.9	1556.0	1539.1	1524.4	1482.6	1428.3	1356.4	1272.8	1192.1	1122.4
25°	1592.7	1589.0	1578.7	1570.7	1559.7	1528.8	1483.4	1414.4	1321.2	1232.5	1135.6
27.5°	1502.4	1512.7	1530.3	1539.1	1536.9	1532.5	1506.8	1448.9	1365.2	1259.6	1151.0
30°	1314.6	1352.0	1385.1	1429.1	1442.3	1474.6	1489.2	1456.2	1389.5	1291.2	1170.8
32.5°	1090.1	1144.4	1216.3	1240.5	1282.3	1344.7	1414.4	1426.9	1385.1	1309.5	1183.3
35°	894.3	939.0	994.8	1032.9	1070.3	1171.6	1259.6	1335.9	1349.8	1300.0	1180.4
37.5°	740.2	771.8	820.9	853.2	887.7	974.2	1097.5	1196.5	1266.2	1267.7	1172.3
40°	628.7	642.6	685.2	708.7	741.7	816.5	926.5	1055.7	1157.6	1204.6	1151.0
42.5°	532.6	550.9	586.2	603.8	625.0	690.3	763.0	885.5	1011.6	1112.1	1111.4
45°	475.4	488.6	504.7	519.4	543.6	582.5	665.4	757.1	878.1	991.8	1036.6
47.5°	424.8	437.2	453.4	457.8	473.9	510.6	561.2	641.2	754.1	867.1	951.5
50°	382.2	392.5	403.5	411.6	418.9	449.0	487.1	554.6	644.8	754.1	859.1
52.5°	349.2	356.5	366.1	370.5	377.1	399.1	428.4	478.3	552.4	652.2	754.1
55°	318.4	323.5	329.4	336.7	339.7	355.8	378.5	421.1	476.1	565.6	662.4
57.5°	289.8	292.0	295.6	300.0	303.7	317.7	337.5	366.1	414.5	483.4	575.1
60°	257.5	263.4	265.6	270.0	272.2	283.2	298.6	322.8	360.2	419.6	488.6
62.5°	230.4	234.0	237.7	239.9	245.0	248.7	261.2	283.2	314.0	358.0	420.4
65°	206.1	207.6	209.8	212.0	213.5	217.9	229.6	244.3	267.8	306.6	355.1
67.5°	178.3	179.7	182.7	183.4	184.9	190.7	197.3	209.8	229.6	259.0	298.6
70°	151.1	153.3	154.8	156.3	158.5	160.7	168.0	178.3	193.7	214.2	245.0
72.5°	127.6	129.8	129.8	131.3	130.6	133.5	140.9	148.2	158.5	175.3	202.5
75°	104.2	104.2	105.6	106.4	107.1	110.0	113.0	118.8	126.9	140.1	157.0
77.5°	82.2	81.4	82.9	82.9	82.9	85.1	88.0	91.0	96.1	105.6	118.8
80°	60.2	60.2	61.6	62.4	60.9	61.6	63.1	66.0	69.7	76.3	83.6
82.5°	39.6	42.5	41.8	42.5	41.8	43.3	44.0	44.8	46.2	49.2	54.3
85°	24.2	24.2	24.2	24.9	24.2	24.9	24.9	24.9	25.7	27.1	29.3
87.5°	10.3	10.3	10.3	11.0	10.3	10.3	11.0	10.3	11.0	11.0	11.7
90°	36.0	35.4	34.9	34.6	34.1	33.0	31.9	30.8	29.7	26.1	22.5
92.5°	41.5	41.2	40.9	40.8	39.8	37.9	36.0	34.1	32.2	29.7	27.2
95°	47.0	47.0	47.0	47.0	46.0	44.1	42.2	40.2	38.3	35.3	32.3
97.5°	50.2	49.9	49.6	49.5	48.4	46.2	44.0	41.8	39.6	53.6	67.6
100°	51.4	51.1	50.8	50.7	49.6	47.4	45.2	43.0	40.8	83.7	126.6
102.5°	52.1	51.5	51.0	50.7	55.2	64.3	73.4	82.4	91.5	139.3	187.2
105°	53.3	52.8	52.3	52.0	76.3	125.0	173.6	222.3	270.9	295.6	320.4
107.5°	200.6	236.7	272.7	290.7	311.9	354.2	396.5	438.9	481.2	477.1	472.9
110°	418.8	458.1	497.4	517.0	521.5	530.6	539.7	548.8	557.9	554.9	551.9

TEST NUMBER: P1030883

CATALOG NUMBER: S123DIW-B560D1320UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	645.5	646.1	646.6	646.9	645.7	643.2	640.7	638.3	635.8	632.8	629.8
115°	725.1	724.0	722.9	722.4	721.0	718.3	715.5	712.8	710.0	707.5	705.1
117.5°	793.6	793.3	793.0	792.9	791.8	789.6	787.4	785.2	783.0	781.6	780.2
120°	863.4	863.4	863.4	863.4	862.3	860.1	857.9	855.7	853.5	852.7	851.9
122.5°	930.9	930.6	930.3	930.2	929.5	928.1	926.8	925.4	924.0	922.9	921.8
125°	993.4	992.8	992.3	992.0	991.7	991.2	990.7	990.1	989.6	988.5	987.4
127.5°	1057.5	1058.0	1058.5	1058.8	1058.4	1057.6	1056.7	1055.9	1055.1	1053.7	1052.3
130°	1116.8	1117.4	1117.9	1118.2	1117.7	1116.6	1115.5	1114.4	1113.3	1112.2	1111.1
132.5°	1171.8	1172.7	1173.5	1173.9	1173.3	1172.2	1171.1	1170.0	1168.9	1168.1	1167.3
135°	1227.4	1228.3	1229.1	1229.5	1229.1	1228.3	1227.4	1226.6	1225.8	1224.7	1223.6
137.5°	1280.1	1280.7	1281.2	1281.5	1280.8	1279.4	1278.1	1276.7	1275.3	1274.7	1274.2
140°	1327.1	1327.7	1328.2	1328.5	1327.9	1326.8	1325.7	1324.6	1323.5	1322.7	1321.9
142.5°	1370.9	1371.8	1372.6	1373.0	1372.6	1371.8	1370.9	1370.1	1369.3	1368.5	1367.7
145°	1413.8	1413.8	1413.8	1413.8	1413.5	1413.0	1412.5	1411.9	1411.4	1410.8	1410.3
147.5°	1448.8	1450.1	1451.5	1452.2	1451.9	1451.4	1450.8	1450.3	1449.7	1449.1	1448.6
150°	1484.7	1485.6	1486.4	1486.8	1486.5	1486.0	1485.4	1484.9	1484.3	1483.8	1483.2
152.5°	1515.6	1516.9	1518.3	1519.0	1518.4	1517.3	1516.2	1515.1	1514.0	1513.7	1513.5
155°	1543.3	1544.9	1546.6	1547.4	1546.7	1545.3	1544.0	1542.6	1541.2	1540.9	1540.7
157.5°	1567.9	1570.1	1572.3	1573.4	1572.6	1570.9	1569.3	1567.6	1566.0	1566.3	1566.5
160°	1589.6	1591.5	1593.4	1594.4	1593.6	1591.9	1590.3	1588.6	1587.0	1587.3	1587.5
162.5°	1610.1	1611.7	1613.4	1614.2	1613.2	1611.3	1609.4	1607.5	1605.6	1605.9	1606.1
165°	1626.7	1628.6	1630.5	1631.5	1630.4	1628.2	1626.0	1623.8	1621.6	1621.9	1622.2
167.5°	1639.6	1641.8	1644.0	1645.1	1644.0	1641.8	1639.6	1637.4	1635.2	1635.2	1635.2
170°	1650.8	1653.0	1655.2	1656.3	1655.2	1653.0	1650.8	1648.6	1646.4	1646.4	1646.4
172.5°	1657.5	1660.0	1662.5	1663.7	1662.6	1660.4	1658.2	1656.0	1653.8	1653.5	1653.3
175°	1663.1	1665.3	1667.5	1668.6	1667.6	1665.7	1663.8	1661.9	1660.0	1659.7	1659.4
177.5°	1665.5	1668.2	1670.9	1672.3	1671.2	1669.0	1666.9	1664.7	1662.5	1662.2	1661.9
180°	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9

TEST NUMBER: P1030883

CATALOG NUMBER: S123DIW-B560D1320UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1
2.5°	777.6	775.4	775.4	774.0	769.6	761.5	760.8	762.2	757.8	753.4	746.8
5°	815.8	801.8	797.4	793.0	784.2	769.6	763.7	758.6	750.5	740.9	730.7
7.5°	848.1	828.2	822.4	814.3	796.7	776.2	763.0	751.9	740.9	727.7	715.3
10°	888.4	859.8	845.9	834.1	809.9	781.3	761.5	745.3	727.7	711.6	695.5
12.5°	933.9	887.7	883.3	854.7	826.8	784.2	760.0	736.5	713.1	693.3	676.4
15°	972.0	921.4	903.1	884.0	830.4	777.6	754.1	727.7	700.6	679.3	654.4
17.5°	996.2	954.4	915.5	889.9	834.1	787.2	741.7	711.6	683.0	653.6	633.1
20°	1025.6	964.7	930.9	896.5	841.4	779.8	734.3	696.9	661.7	635.3	610.4
22.5°	1054.9	972.8	944.9	907.5	842.9	772.5	721.1	683.7	643.4	617.0	589.8
25°	1052.0	984.5	938.3	906.7	828.2	765.9	705.7	661.7	624.3	590.6	563.4
27.5°	1054.2	971.3	924.3	887.7	818.0	756.4	689.6	643.4	604.5	569.3	540.7
30°	1054.9	951.5	910.4	866.4	798.9	733.6	671.3	624.3	583.2	545.1	519.4
32.5°	1052.7	935.4	884.0	844.4	768.8	711.6	650.0	600.1	558.3	523.1	498.9
35°	1047.6	916.3	856.9	807.0	738.0	680.1	630.2	578.8	534.1	501.8	473.9
37.5°	1033.7	895.7	828.2	779.1	702.1	643.4	599.4	556.8	513.5	475.4	451.9
40°	1023.4	867.9	799.6	746.1	663.2	606.0	569.3	528.9	486.4	451.9	429.2
42.5°	999.9	841.4	770.3	706.5	625.0	566.3	531.9	499.6	462.9	429.2	408.6
45°	961.8	812.8	734.3	669.8	583.2	527.5	495.9	469.5	437.2	405.0	384.4
47.5°	908.2	771.8	696.2	631.6	542.1	485.6	454.1	434.3	408.6	381.5	363.9
50°	850.3	727.0	657.3	593.5	502.5	447.5	416.7	398.3	381.5	356.5	339.7
52.5°	774.7	679.3	612.6	551.7	460.0	407.2	380.0	366.8	349.2	331.6	316.9
55°	701.3	617.7	562.7	504.7	418.2	369.0	342.6	328.7	318.4	303.7	292.0
57.5°	616.2	560.5	509.9	457.0	379.3	334.5	309.6	292.7	286.1	279.5	268.5
60°	537.7	495.2	454.1	410.1	338.9	298.6	274.4	261.2	254.6	250.2	242.8
62.5°	465.8	432.8	397.6	362.4	297.8	261.2	242.8	229.6	223.8	223.0	216.4
65°	396.9	373.4	344.8	310.3	259.7	227.4	209.8	201.7	195.1	195.1	190.0
67.5°	327.9	311.8	289.0	264.8	225.2	195.1	179.0	171.7	168.0	168.0	164.3
70°	272.9	261.9	241.4	220.1	185.6	162.9	150.4	143.8	141.6	142.3	139.4
72.5°	221.5	209.8	192.9	177.5	151.9	135.0	126.2	118.8	115.2	115.9	115.2
75°	171.7	165.8	151.1	139.4	118.8	107.1	99.0	95.4	92.4	93.2	91.7
77.5°	129.1	120.3	112.2	104.2	91.7	82.2	75.6	71.9	69.7	69.7	69.7
80°	88.0	86.6	80.0	75.6	65.3	58.0	52.8	52.1	49.9	49.9	49.9
82.5°	57.2	53.6	49.9	47.0	41.1	36.7	34.5	33.0	32.3	31.5	33.0
85°	31.5	29.3	27.9	24.9	22.7	20.5	18.3	17.6	16.9	17.6	16.9
87.5°	12.5	10.3	10.3	9.5	8.8	8.1	8.1	6.6	6.6	5.9	5.9
90°	19.0	15.4	13.6	12.2	9.5	6.7	4.0	1.2	4.0	6.7	9.5
92.5°	24.7	22.2	21.0	21.8	23.5	25.1	26.8	28.4	26.8	25.1	23.5
95°	29.2	26.2	24.7	30.3	41.6	52.9	64.2	75.5	64.2	52.9	41.6
97.5°	81.7	95.7	102.7	106.5	114.2	121.9	129.6	137.3	129.6	121.9	114.2
100°	169.5	212.4	233.8	231.0	225.5	220.0	214.5	209.0	214.5	220.0	225.5
102.5°	235.0	282.9	306.8	305.0	301.4	297.9	294.3	290.7	294.3	297.9	301.4
105°	345.1	369.8	382.2	380.7	377.7	374.6	371.6	368.6	371.6	374.6	377.7
107.5°	468.8	464.7	462.6	461.4	458.9	456.4	454.0	451.5	454.0	456.4	458.9
110°	548.8	545.8	544.3	543.2	541.0	538.8	536.6	534.4	536.6	538.8	541.0

TEST NUMBER: P1030883

CATALOG NUMBER: S123DIW-B560D1320UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	626.7	623.7	622.2	621.2	619.3	617.4	615.4	613.5	615.4	617.4	619.3
115°	702.6	700.1	698.9	698.1	696.4	694.8	693.1	691.5	693.1	694.8	696.4
117.5°	778.9	777.5	776.8	775.8	773.9	772.0	770.0	768.1	770.0	772.0	773.9
120°	851.0	850.2	849.8	848.6	846.1	843.6	841.1	838.6	841.1	843.6	846.1
122.5°	920.7	919.6	919.1	918.1	916.2	914.3	912.3	910.4	912.3	914.3	916.2
125°	986.3	985.2	984.6	983.5	981.3	979.1	976.9	974.7	976.9	979.1	981.3
127.5°	1051.0	1049.6	1048.9	1047.8	1045.6	1043.4	1041.2	1039.0	1041.2	1043.4	1045.6
130°	1110.0	1108.9	1108.3	1107.2	1105.0	1102.8	1100.6	1098.4	1100.6	1102.8	1105.0
132.5°	1166.4	1165.6	1165.2	1164.1	1161.9	1159.7	1157.5	1155.3	1157.5	1159.7	1161.9
135°	1222.5	1221.4	1220.9	1220.1	1218.4	1216.7	1215.1	1213.4	1215.1	1216.7	1218.4
137.5°	1273.6	1273.1	1272.8	1271.7	1269.5	1267.3	1265.1	1262.9	1265.1	1267.3	1269.5
140°	1321.0	1320.2	1319.8	1319.0	1317.3	1315.7	1314.0	1312.4	1314.0	1315.7	1317.3
142.5°	1366.8	1366.0	1365.6	1364.8	1363.1	1361.5	1359.8	1358.2	1359.8	1361.5	1363.1
145°	1409.7	1409.2	1408.9	1407.9	1406.0	1404.1	1402.1	1400.2	1402.1	1404.1	1406.0
147.5°	1448.0	1447.5	1447.2	1446.5	1445.1	1443.8	1442.4	1441.0	1442.4	1443.8	1445.1
150°	1482.7	1482.2	1481.9	1481.5	1480.6	1479.8	1478.9	1478.1	1478.9	1479.8	1480.6
152.5°	1513.2	1512.9	1512.8	1512.7	1512.4	1512.1	1511.8	1511.5	1511.8	1512.1	1512.4
155°	1540.4	1540.1	1540.0	1540.3	1540.8	1541.4	1541.9	1542.5	1541.9	1541.4	1540.8
157.5°	1566.8	1567.1	1567.2	1567.2	1567.2	1567.2	1567.2	1567.2	1567.2	1567.2	1567.2
160°	1587.8	1588.1	1588.2	1588.3	1588.6	1588.9	1589.2	1589.5	1589.2	1588.9	1588.6
162.5°	1606.4	1606.7	1606.8	1607.2	1608.0	1608.9	1609.7	1610.5	1609.7	1608.9	1608.0
165°	1622.5	1622.8	1622.9	1623.3	1624.1	1625.0	1625.8	1626.6	1625.8	1625.0	1624.1
167.5°	1635.2	1635.2	1635.2	1635.8	1636.9	1638.0	1639.1	1640.2	1639.1	1638.0	1636.9
170°	1646.4	1646.4	1646.4	1646.9	1648.0	1649.1	1650.2	1651.3	1650.2	1649.1	1648.0
172.5°	1653.0	1652.7	1652.6	1653.3	1654.6	1656.0	1657.3	1658.7	1657.3	1656.0	1654.6
175°	1659.1	1658.8	1658.7	1659.4	1660.8	1662.1	1663.5	1664.9	1663.5	1662.1	1660.8
177.5°	1661.6	1661.3	1661.2	1661.9	1663.3	1664.6	1666.0	1667.4	1666.0	1664.6	1663.3
180°	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9

TEST NUMBER: P1030883

CATALOG NUMBER: S123DIW-B560D1320UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1
2.5°	745.3	744.6	746.1	741.7	734.3	730.7	720.4	718.2	717.5	718.2	718.9
5°	724.8	724.1	721.9	714.5	705.7	699.1	686.7	685.9	681.5	677.1	679.3
7.5°	705.0	702.1	697.7	688.1	676.4	669.1	658.8	651.4	645.6	641.9	639.0
10°	685.2	680.8	676.4	663.9	649.2	638.2	625.8	619.9	613.3	610.4	607.4
12.5°	659.5	655.1	647.0	632.4	623.6	609.6	597.2	591.3	587.6	581.8	578.1
15°	639.0	630.2	625.8	610.4	592.0	590.6	567.8	566.3	559.0	559.0	553.1
17.5°	615.5	608.9	600.8	585.4	572.2	559.0	547.3	542.9	536.3	534.8	531.9
20°	592.8	584.0	581.0	565.6	551.7	535.5	523.1	518.7	515.7	512.8	515.0
22.5°	569.3	561.9	554.6	540.7	530.4	514.3	506.9	502.5	498.1	496.7	497.4
25°	546.5	539.9	532.6	518.7	507.7	494.5	487.8	485.6	483.4	483.4	482.7
27.5°	524.5	517.9	511.3	498.9	487.8	478.3	473.2	471.0	468.8	470.2	471.7
30°	501.8	495.9	490.1	479.0	470.2	461.4	458.5	457.0	456.3	460.0	460.0
32.5°	481.2	476.1	471.7	461.4	452.6	445.3	443.1	443.8	444.6	446.8	448.2
35°	460.0	456.3	451.9	443.1	435.8	429.2	429.9	429.9	431.4	435.0	438.0
37.5°	440.9	435.8	432.1	424.8	418.9	413.0	415.2	417.4	418.9	423.3	424.8
40°	418.2	416.0	413.0	405.7	400.6	399.8	400.6	402.0	405.0	407.2	409.4
42.5°	399.8	396.9	393.2	387.3	382.9	383.7	384.4	385.9	387.3	391.0	393.2
45°	379.3	377.1	374.1	369.0	365.3	366.1	366.8	366.8	368.3	372.7	374.1
47.5°	356.5	357.3	353.6	348.5	346.3	346.3	346.3	347.7	351.4	352.9	353.6
50°	334.5	333.1	332.3	327.2	325.7	325.0	325.7	326.5	331.6	330.9	333.1
52.5°	311.0	311.0	310.3	307.4	305.2	305.2	303.7	307.4	308.8	310.3	312.5
55°	288.3	286.1	285.4	283.9	281.0	280.2	281.7	286.1	287.6	289.0	291.2
57.5°	263.4	263.4	261.9	259.7	259.7	259.7	259.7	262.6	264.8	266.3	270.7
60°	240.6	237.7	235.5	235.5	235.5	234.8	239.2	239.2	243.6	244.3	245.8
62.5°	213.5	212.0	210.5	211.3	210.5	212.0	213.5	216.4	217.1	219.3	221.5
65°	187.8	187.8	186.3	190.7	187.8	187.8	191.5	191.5	192.9	195.1	198.1
67.5°	162.9	163.6	162.1	162.1	163.6	164.3	165.1	168.0	168.7	171.7	175.3
70°	137.2	138.7	139.4	137.9	139.4	140.9	142.3	143.1	146.0	147.5	149.7
72.5°	114.4	115.9	113.7	114.4	115.2	116.6	117.4	118.8	120.3	124.7	126.2
75°	91.7	91.0	90.2	93.2	91.7	94.6	95.4	95.4	96.8	100.5	102.0
77.5°	70.4	70.4	71.2	69.7	71.9	71.2	71.9	74.1	76.3	76.3	82.2
80°	49.2	50.6	50.6	50.6	51.4	52.1	50.6	54.3	55.0	55.0	57.2
82.5°	31.5	32.3	31.5	33.0	33.0	34.5	33.7	34.5	35.9	37.4	38.1
85°	16.9	16.9	18.3	18.3	17.6	18.3	17.6	18.3	19.8	19.8	20.5
87.5°	5.9	5.9	5.9	5.9	6.6	5.9	6.6	6.6	5.9	5.9	8.1
90°	12.2	13.6	15.4	19.0	22.5	26.1	29.7	30.8	31.9	33.0	34.1
92.5°	21.8	21.0	22.2	24.7	27.2	29.7	32.2	34.1	36.0	37.9	39.8
95°	30.3	24.7	26.2	29.2	32.3	35.3	38.3	40.2	42.2	44.1	46.0
97.5°	106.5	102.7	95.7	81.7	67.6	53.6	39.6	41.8	44.0	46.2	48.4
100°	231.0	233.8	212.4	169.5	126.6	83.7	40.8	43.0	45.2	47.4	49.6
102.5°	305.0	306.8	282.9	235.0	187.2	139.3	91.5	82.4	73.4	64.3	55.2
105°	380.7	382.2	369.8	345.1	320.4	295.6	270.9	222.3	173.6	125.0	76.3
107.5°	461.4	462.6	464.7	468.8	472.9	477.1	481.2	438.9	396.5	354.2	311.9
110°	543.2	544.3	545.8	548.8	551.9	554.9	557.9	548.8	539.7	530.6	521.5

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	621.2	622.2	623.7	626.7	629.8	632.8	635.8	638.3	640.7	643.2	645.7
115°	698.1	698.9	700.1	702.6	705.1	707.5	710.0	712.8	715.5	718.3	721.0
117.5°	775.8	776.8	777.5	778.9	780.2	781.6	783.0	785.2	787.4	789.6	791.8
120°	848.6	849.8	850.2	851.0	851.9	852.7	853.5	855.7	857.9	860.1	862.3
122.5°	918.1	919.1	919.6	920.7	921.8	922.9	924.0	925.4	926.8	928.1	929.5
125°	983.5	984.6	985.2	986.3	987.4	988.5	989.6	990.1	990.7	991.2	991.7
127.5°	1047.8	1048.9	1049.6	1051.0	1052.3	1053.7	1055.1	1055.9	1056.7	1057.6	1058.4
130°	1107.2	1108.3	1108.9	1110.0	1111.1	1112.2	1113.3	1114.4	1115.5	1116.6	1117.7
132.5°	1164.1	1165.2	1165.6	1166.4	1167.3	1168.1	1168.9	1170.0	1171.1	1172.2	1173.3
135°	1220.1	1220.9	1221.4	1222.5	1223.6	1224.7	1225.8	1226.6	1227.4	1228.3	1229.1
137.5°	1271.7	1272.8	1273.1	1273.6	1274.2	1274.7	1275.3	1276.7	1278.1	1279.4	1280.8
140°	1319.0	1319.8	1320.2	1321.0	1321.9	1322.7	1323.5	1324.6	1325.7	1326.8	1327.9
142.5°	1364.8	1365.6	1366.0	1366.8	1367.7	1368.5	1369.3	1370.1	1370.9	1371.8	1372.6
145°	1407.9	1408.9	1409.2	1409.7	1410.3	1410.8	1411.4	1411.9	1412.5	1413.0	1413.5
147.5°	1446.5	1447.2	1447.5	1448.0	1448.6	1449.1	1449.7	1450.3	1450.8	1451.4	1451.9
150°	1481.5	1481.9	1482.2	1482.7	1483.2	1483.8	1484.3	1484.9	1485.4	1486.0	1486.5
152.5°	1512.7	1512.8	1512.9	1513.2	1513.5	1513.7	1514.0	1515.1	1516.2	1517.3	1518.4
155°	1540.3	1540.0	1540.1	1540.4	1540.7	1540.9	1541.2	1542.6	1544.0	1545.3	1546.7
157.5°	1567.2	1567.2	1567.1	1566.8	1566.5	1566.3	1566.0	1567.6	1569.3	1570.9	1572.6
160°	1588.3	1588.2	1588.1	1587.8	1587.5	1587.3	1587.0	1588.6	1590.3	1591.9	1593.6
162.5°	1607.2	1606.8	1606.7	1606.4	1606.1	1605.9	1605.6	1607.5	1609.4	1611.3	1613.2
165°	1623.3	1622.9	1622.8	1622.5	1622.2	1621.9	1621.6	1623.8	1626.0	1628.2	1630.4
167.5°	1635.8	1635.2	1635.2	1635.2	1635.2	1635.2	1635.2	1637.4	1639.6	1641.8	1644.0
170°	1646.9	1646.4	1646.4	1646.4	1646.4	1646.4	1646.4	1648.6	1650.8	1653.0	1655.2
172.5°	1653.3	1652.6	1652.7	1653.0	1653.3	1653.5	1653.8	1656.0	1658.2	1660.4	1662.6
175°	1659.4	1658.7	1658.8	1659.1	1659.4	1659.7	1660.0	1661.9	1663.8	1665.7	1667.6
177.5°	1661.9	1661.2	1661.3	1661.6	1661.9	1662.2	1662.5	1664.7	1666.9	1669.0	1671.2
180°	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9

TEST NUMBER: P1030883

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1
2.5°	718.2	718.9	716.0	713.8	719.7	716.0	716.0	716.7	715.3	717.5	716.7
5°	677.9	678.6	673.5	674.9	672.0	671.3	670.5	674.9	674.2	673.5	674.9
7.5°	638.2	638.2	636.0	634.6	634.6	632.4	635.3	634.6	636.0	636.0	638.2
10°	605.2	606.7	603.0	599.4	598.6	599.4	599.4	600.1	600.8	606.0	605.2
12.5°	578.1	575.9	575.1	572.9	569.3	567.8	566.3	574.4	572.2	572.2	572.2
15°	548.0	553.1	552.4	545.8	544.3	547.3	545.8	545.8	553.1	552.4	551.7
17.5°	531.9	530.4	528.9	525.3	526.0	525.3	526.0	526.0	530.4	530.4	530.4
20°	513.5	510.6	510.6	509.1	509.1	506.9	509.9	510.6	513.5	513.5	514.3
22.5°	497.4	495.2	495.2	494.5	495.9	493.0	495.9	496.7	496.7	498.9	498.9
25°	483.4	482.0	482.0	483.4	483.4	483.4	483.4	486.4	484.2	484.9	484.2
27.5°	471.0	471.7	472.4	473.2	472.4	473.2	473.9	475.4	476.1	475.4	473.9
30°	459.2	461.4	462.2	462.2	463.6	464.4	465.1	465.1	465.8	463.6	465.1
32.5°	450.4	450.4	451.9	452.6	454.1	454.8	454.8	456.3	455.6	453.4	454.1
35°	438.0	438.0	440.9	442.4	444.6	443.8	444.6	444.6	445.3	443.8	441.6
37.5°	425.5	427.0	427.0	429.9	430.6	431.4	430.6	432.1	431.4	429.9	429.2
40°	410.8	410.1	410.8	413.0	413.8	413.8	413.8	415.2	415.2	415.2	414.5
42.5°	392.5	394.7	393.9	396.1	395.4	395.4	396.9	398.3	399.1	396.9	397.6
45°	374.9	374.9	376.3	376.3	377.1	377.1	380.0	378.5	380.0	378.5	379.3
47.5°	355.8	356.5	356.5	357.3	358.7	360.2	358.7	359.5	359.5	360.2	358.7
50°	334.5	334.5	336.0	338.2	341.1	339.7	338.9	341.9	339.7	339.7	338.2
52.5°	312.5	314.7	315.5	317.7	319.9	320.6	321.3	319.9	320.6	318.4	319.1
55°	291.2	292.0	294.9	297.1	299.3	299.3	298.6	299.3	300.0	297.1	297.1
57.5°	270.0	272.2	275.1	275.1	278.0	278.0	277.3	277.3	278.0	275.8	275.1
60°	247.2	249.4	253.1	253.1	257.5	258.2	256.8	255.3	255.3	253.1	253.8
62.5°	223.0	225.2	227.4	231.1	234.0	232.6	235.5	232.6	233.3	228.9	228.9
65°	201.7	202.5	206.1	209.8	209.8	211.3	209.8	210.5	208.3	208.3	205.4
67.5°	176.8	176.8	180.5	184.1	187.8	187.8	187.8	185.6	185.6	183.4	183.4
70°	154.8	154.1	157.7	159.9	162.1	162.9	161.4	160.7	159.2	157.0	156.3
72.5°	127.6	129.1	132.8	134.3	137.9	137.2	140.9	136.5	136.5	132.8	132.0
75°	103.4	104.9	108.6	110.8	113.0	113.0	115.2	113.0	110.0	108.6	107.8
77.5°	82.2	81.4	84.4	88.0	88.8	88.0	89.5	88.8	85.8	85.8	84.4
80°	58.7	60.9	63.8	63.1	66.0	65.3	65.3	63.8	63.8	61.6	63.1
82.5°	38.9	41.1	41.8	41.1	41.8	43.3	44.0	43.3	43.3	41.8	42.5
85°	20.5	20.5	22.0	22.7	22.0	22.0	22.7	24.9	23.5	22.0	23.5
87.5°	6.6	5.9	5.9	6.6	5.9	5.9	6.6	6.6	7.3	7.3	7.3
90°	34.6	34.9	35.4	36.0	36.5	37.1	36.5	36.0	35.4	34.9	34.6
92.5°	40.8	40.9	41.2	41.5	41.8	42.1	41.8	41.5	41.2	40.9	40.8
95°	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
97.5°	49.5	49.6	49.9	50.2	50.4	50.7	50.4	50.2	49.9	49.6	49.5
100°	50.7	50.8	51.1	51.4	51.7	52.0	51.7	51.4	51.1	50.8	50.7
102.5°	50.7	51.0	51.5	52.1	52.6	53.2	52.6	52.1	51.5	51.0	50.7
105°	52.0	52.3	52.8	53.3	53.9	54.4	53.9	53.3	52.8	52.3	52.0
107.5°	290.7	272.7	236.7	200.6	164.6	128.6	164.6	200.6	236.7	272.7	290.7
110°	517.0	497.4	458.1	418.8	379.5	340.2	379.5	418.8	458.1	497.4	517.0

TEST NUMBER: P1030883

CATALOG NUMBER: S123DIW-B560D1320UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	646.9	646.6	646.1	645.5	645.0	644.4	645.0	645.5	646.1	646.6	646.9
115°	722.4	722.9	724.0	725.1	726.2	727.3	726.2	725.1	724.0	722.9	722.4
117.5°	792.9	793.0	793.3	793.6	793.8	794.1	793.8	793.6	793.3	793.0	792.9
120°	863.4	863.4	863.4	863.4	863.4	863.4	863.4	863.4	863.4	863.4	863.4
122.5°	930.2	930.3	930.6	930.9	931.1	931.4	931.1	930.9	930.6	930.3	930.2
125°	992.0	992.3	992.8	993.4	993.9	994.5	993.9	993.4	992.8	992.3	992.0
127.5°	1058.8	1058.5	1058.0	1057.5	1056.9	1056.4	1056.9	1057.5	1058.0	1058.5	1058.8
130°	1118.2	1117.9	1117.4	1116.8	1116.3	1115.7	1116.3	1116.8	1117.4	1117.9	1118.2
132.5°	1173.9	1173.5	1172.7	1171.8	1171.0	1170.2	1171.0	1171.8	1172.7	1173.5	1173.9
135°	1229.5	1229.1	1228.3	1227.4	1226.6	1225.8	1226.6	1227.4	1228.3	1229.1	1229.5
137.5°	1281.5	1281.2	1280.7	1280.1	1279.6	1279.0	1279.6	1280.1	1280.7	1281.2	1281.5
140°	1328.5	1328.2	1327.7	1327.1	1326.6	1326.0	1326.6	1327.1	1327.7	1328.2	1328.5
142.5°	1373.0	1372.6	1371.8	1370.9	1370.1	1369.3	1370.1	1370.9	1371.8	1372.6	1373.0
145°	1413.8	1413.8	1413.8	1413.8	1413.8	1413.8	1413.8	1413.8	1413.8	1413.8	1413.8
147.5°	1452.2	1451.5	1450.1	1448.8	1447.4	1446.0	1447.4	1448.8	1450.1	1451.5	1452.2
150°	1486.8	1486.4	1485.6	1484.7	1483.9	1483.1	1483.9	1484.7	1485.6	1486.4	1486.8
152.5°	1519.0	1518.3	1516.9	1515.6	1514.2	1512.8	1514.2	1515.6	1516.9	1518.3	1519.0
155°	1547.4	1546.6	1544.9	1543.3	1541.6	1540.0	1541.6	1543.3	1544.9	1546.6	1547.4
157.5°	1573.4	1572.3	1570.1	1567.9	1565.7	1563.5	1565.7	1567.9	1570.1	1572.3	1573.4
160°	1594.4	1593.4	1591.5	1589.6	1587.7	1585.8	1587.7	1589.6	1591.5	1593.4	1594.4
162.5°	1614.2	1613.4	1611.7	1610.1	1608.4	1606.8	1608.4	1610.1	1611.7	1613.4	1614.2
165°	1631.5	1630.5	1628.6	1626.7	1624.8	1622.9	1624.8	1626.7	1628.6	1630.5	1631.5
167.5°	1645.1	1644.0	1641.8	1639.6	1637.4	1635.2	1637.4	1639.6	1641.8	1644.0	1645.1
170°	1656.3	1655.2	1653.0	1650.8	1648.6	1646.4	1648.6	1650.8	1653.0	1655.2	1656.3
172.5°	1663.7	1662.5	1660.0	1657.5	1655.1	1652.6	1655.1	1657.5	1660.0	1662.5	1663.7
175°	1668.6	1667.5	1665.3	1663.1	1660.9	1658.7	1660.9	1663.1	1665.3	1667.5	1668.6
177.5°	1672.3	1670.9	1668.2	1665.5	1662.7	1660.0	1662.7	1665.5	1668.2	1670.9	1672.3
180°	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9

TEST NUMBER: P1030883

CATALOG NUMBER: S123DIW-B560D1320UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1
2.5°	718.9	720.4	721.1	718.2	716.0	719.7	724.8	728.5	731.4	735.1	737.3
5°	676.4	681.5	681.5	683.0	685.2	688.9	698.4	705.0	710.9	715.3	718.9
7.5°	640.4	644.1	646.3	650.0	653.6	658.8	669.8	679.3	688.1	693.3	699.1
10°	608.2	611.1	614.8	617.0	623.6	630.9	644.8	652.9	663.2	671.3	678.6
12.5°	577.3	587.6	589.8	589.1	595.0	603.0	617.0	629.4	640.4	648.5	656.6
15°	555.3	559.0	563.4	562.7	575.1	577.3	589.1	603.8	618.4	623.6	630.9
17.5°	531.1	537.0	541.4	543.6	547.3	555.3	566.3	577.3	596.4	597.2	616.2
20°	512.1	517.9	520.9	523.8	526.0	535.5	545.1	557.5	572.9	581.0	591.3
22.5°	499.6	502.5	504.7	506.9	509.9	515.0	526.7	540.7	550.9	559.7	566.3
25°	484.9	487.8	490.8	492.3	494.5	497.4	506.2	517.2	531.9	537.7	544.3
27.5°	474.6	474.6	476.1	476.1	479.0	482.0	488.6	498.9	510.6	517.9	526.7
30°	463.6	462.9	463.6	462.9	462.2	466.6	472.4	481.2	489.3	498.1	504.0
32.5°	452.6	451.9	451.9	452.6	449.7	451.9	454.8	462.9	471.7	476.1	482.7
35°	440.9	439.4	439.4	439.4	438.0	436.5	439.4	446.8	452.6	458.5	463.6
37.5°	429.2	427.0	427.0	425.5	424.0	421.8	421.8	427.7	435.8	438.0	444.6
40°	413.0	413.0	411.6	410.8	409.4	407.9	405.7	410.8	418.2	420.4	425.5
42.5°	396.9	394.7	393.9	393.9	393.9	391.7	390.3	393.9	398.3	402.0	405.0
45°	378.5	377.1	377.8	377.1	375.6	374.9	374.1	375.6	380.7	382.2	385.9
47.5°	358.7	358.0	358.0	357.3	356.5	357.3	354.3	358.0	359.5	360.9	363.9
50°	338.2	337.5	336.7	336.0	336.0	336.7	336.0	336.0	338.9	340.4	343.3
52.5°	317.7	315.5	315.5	314.7	314.7	313.3	314.7	315.5	316.9	318.4	319.9
55°	295.6	295.6	293.4	293.4	292.0	292.0	292.7	292.0	294.9	296.4	296.4
57.5°	274.4	271.4	272.2	270.7	269.2	268.5	268.5	270.0	271.4	271.4	272.9
60°	251.6	248.7	248.0	245.0	246.5	244.3	245.0	245.0	248.0	246.5	248.0
62.5°	228.9	225.2	223.0	221.5	221.5	222.3	220.8	220.1	221.5	223.0	226.0
65°	204.7	202.5	200.3	198.1	198.1	197.3	198.8	196.6	195.9	196.6	198.1
67.5°	179.7	177.5	175.3	173.1	173.9	171.7	170.2	172.4	170.9	171.7	173.1
70°	155.5	154.1	149.7	148.2	147.5	148.2	147.5	146.0	148.2	147.5	148.2
72.5°	131.3	129.8	127.6	124.0	124.0	123.2	122.5	122.5	121.8	121.8	121.8
75°	107.8	104.9	102.7	102.0	100.5	99.8	99.0	97.6	98.3	99.0	97.6
77.5°	83.6	80.0	79.2	79.2	77.0	77.0	77.8	77.0	76.3	76.3	76.3
80°	61.6	58.7	58.7	57.2	55.8	55.8	55.8	55.8	55.0	54.3	55.0
82.5°	39.6	38.9	38.1	38.1	39.6	36.7	38.1	37.4	36.7	36.7	35.9
85°	22.0	22.7	22.0	22.7	21.3	22.0	22.0	22.0	21.3	22.0	20.5
87.5°	8.1	8.1	8.1	8.8	8.8	8.8	8.8	8.8	9.5	8.8	8.8
90°	34.1	33.0	31.9	30.8	29.7	26.1	22.5	19.0	15.4	13.6	12.2
92.5°	39.8	37.9	36.0	34.1	32.2	29.7	27.2	24.7	22.2	21.0	21.8
95°	46.0	44.1	42.2	40.2	38.3	35.3	32.3	29.2	26.2	24.7	30.3
97.5°	48.4	46.2	44.0	41.8	39.6	53.6	67.6	81.7	95.7	102.7	106.5
100°	49.6	47.4	45.2	43.0	40.8	83.7	126.6	169.5	212.4	233.8	231.0
102.5°	55.2	64.3	73.4	82.4	91.5	139.3	187.2	235.0	282.9	306.8	305.0
105°	76.3	125.0	173.6	222.3	270.9	295.6	320.4	345.1	369.8	382.2	380.7
107.5°	311.9	354.2	396.5	438.9	481.2	477.1	472.9	468.8	464.7	462.6	461.4
110°	521.5	530.6	539.7	548.8	557.9	554.9	551.9	548.8	545.8	544.3	543.2

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CATALOG NUMBER: S123DIW-B560D1320UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	645.7	643.2	640.7	638.3	635.8	632.8	629.8	626.7	623.7	622.2	621.2
115°	721.0	718.3	715.5	712.8	710.0	707.5	705.1	702.6	700.1	698.9	698.1
117.5°	791.8	789.6	787.4	785.2	783.0	781.6	780.2	778.9	777.5	776.8	775.8
120°	862.3	860.1	857.9	855.7	853.5	852.7	851.9	851.0	850.2	849.8	848.6
122.5°	929.5	928.1	926.8	925.4	924.0	922.9	921.8	920.7	919.6	919.1	918.1
125°	991.7	991.2	990.7	990.1	989.6	988.5	987.4	986.3	985.2	984.6	983.5
127.5°	1058.4	1057.6	1056.7	1055.9	1055.1	1053.7	1052.3	1051.0	1049.6	1048.9	1047.8
130°	1117.7	1116.6	1115.5	1114.4	1113.3	1112.2	1111.1	1110.0	1108.9	1108.3	1107.2
132.5°	1173.3	1172.2	1171.1	1170.0	1168.9	1168.1	1167.3	1166.4	1165.6	1165.2	1164.1
135°	1229.1	1228.3	1227.4	1226.6	1225.8	1224.7	1223.6	1222.5	1221.4	1220.9	1220.1
137.5°	1280.8	1279.4	1278.1	1276.7	1275.3	1274.7	1274.2	1273.6	1273.1	1272.8	1271.7
140°	1327.9	1326.8	1325.7	1324.6	1323.5	1322.7	1321.9	1321.0	1320.2	1319.8	1319.0
142.5°	1372.6	1371.8	1370.9	1370.1	1369.3	1368.5	1367.7	1366.8	1366.0	1365.6	1364.8
145°	1413.5	1413.0	1412.5	1411.9	1411.4	1410.8	1410.3	1409.7	1409.2	1408.9	1407.9
147.5°	1451.9	1451.4	1450.8	1450.3	1449.7	1449.1	1448.6	1448.0	1447.5	1447.2	1446.5
150°	1486.5	1486.0	1485.4	1484.9	1484.3	1483.8	1483.2	1482.7	1482.2	1481.9	1481.5
152.5°	1518.4	1517.3	1516.2	1515.1	1514.0	1513.7	1513.5	1513.2	1512.9	1512.8	1512.7
155°	1546.7	1545.3	1544.0	1542.6	1541.2	1540.9	1540.7	1540.4	1540.1	1540.0	1540.3
157.5°	1572.6	1570.9	1569.3	1567.6	1566.0	1566.3	1566.5	1566.8	1567.1	1567.2	1567.2
160°	1593.6	1591.9	1590.3	1588.6	1587.0	1587.3	1587.5	1587.8	1588.1	1588.2	1588.3
162.5°	1613.2	1611.3	1609.4	1607.5	1605.6	1605.9	1606.1	1606.4	1606.7	1606.8	1607.2
165°	1630.4	1628.2	1626.0	1623.8	1621.6	1621.9	1622.2	1622.5	1622.8	1622.9	1623.3
167.5°	1644.0	1641.8	1639.6	1637.4	1635.2	1635.2	1635.2	1635.2	1635.2	1635.2	1635.8
170°	1655.2	1653.0	1650.8	1648.6	1646.4	1646.4	1646.4	1646.4	1646.4	1646.4	1646.9
172.5°	1662.6	1660.4	1658.2	1656.0	1653.8	1653.5	1653.3	1653.0	1652.7	1652.6	1653.3
175°	1667.6	1665.7	1663.8	1661.9	1660.0	1659.7	1659.4	1659.1	1658.8	1658.7	1659.4
177.5°	1671.2	1669.0	1666.9	1664.7	1662.5	1662.2	1661.9	1661.6	1661.3	1661.2	1661.9
180°	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9	1664.9

TEST NUMBER: P1030883

CATALOG NUMBER: S123DIW-B560D1320UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	757.1	757.1	757.1	757.1
2.5°	740.9	743.1	750.5	759.3
5°	726.3	732.1	742.4	756.4
7.5°	710.1	718.9	733.6	751.2
10°	691.8	704.3	722.6	744.6
12.5°	672.0	688.1	711.6	734.3
15°	659.5	675.7	696.9	721.9
17.5°	635.3	654.4	676.4	711.6
20°	610.4	631.6	660.2	695.5
22.5°	591.3	614.0	641.2	678.6
25°	568.5	592.0	621.4	660.2
27.5°	544.3	567.8	600.8	641.9
30°	526.0	548.7	580.3	624.3
32.5°	504.0	526.0	559.0	605.2
35°	479.0	504.0	535.5	582.5
37.5°	460.0	482.7	515.7	560.5
40°	439.4	459.2	491.5	535.5
42.5°	417.4	439.4	467.3	511.3
45°	396.9	413.0	441.6	483.4
47.5°	374.9	393.2	415.2	447.5
50°	351.4	366.8	391.0	413.0
52.5°	328.7	341.1	361.7	378.5
55°	304.4	316.9	332.3	342.6
57.5°	281.7	290.5	300.8	307.4
60°	253.8	262.6	269.2	275.8
62.5°	228.9	235.5	239.2	242.8
65°	203.2	206.9	209.1	212.0
67.5°	175.3	179.0	179.7	184.1
70°	149.7	150.4	151.9	154.1
72.5°	125.4	126.9	126.2	127.6
75°	100.5	102.0	100.5	102.0
77.5°	76.3	77.8	77.8	80.0
80°	55.0	55.8	56.5	56.5
82.5°	35.9	38.1	36.7	37.4
85°	20.5	21.3	21.3	22.0
87.5°	9.5	10.3	9.5	11.0
90°	9.5	6.7	4.0	1.2
92.5°	23.5	25.1	26.8	28.4
95°	41.6	52.9	64.2	75.5
97.5°	114.2	121.9	129.6	137.3
100°	225.5	220.0	214.5	209.0
102.5°	301.4	297.9	294.3	290.7
105°	377.7	374.6	371.6	368.6
107.5°	458.9	456.4	454.0	451.5
110°	541.0	538.8	536.6	534.4

TEST NUMBER: P1030883

CATALOG NUMBER: S123DIW-B560D1320UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	619.3	617.4	615.4	613.5
115°	696.4	694.8	693.1	691.5
117.5°	773.9	772.0	770.0	768.1
120°	846.1	843.6	841.1	838.6
122.5°	916.2	914.3	912.3	910.4
125°	981.3	979.1	976.9	974.7
127.5°	1045.6	1043.4	1041.2	1039.0
130°	1105.0	1102.8	1100.6	1098.4
132.5°	1161.9	1159.7	1157.5	1155.3
135°	1218.4	1216.7	1215.1	1213.4
137.5°	1269.5	1267.3	1265.1	1262.9
140°	1317.3	1315.7	1314.0	1312.4
142.5°	1363.1	1361.5	1359.8	1358.2
145°	1406.0	1404.1	1402.1	1400.2
147.5°	1445.1	1443.8	1442.4	1441.0
150°	1480.6	1479.8	1478.9	1478.1
152.5°	1512.4	1512.1	1511.8	1511.5
155°	1540.8	1541.4	1541.9	1542.5
157.5°	1567.2	1567.2	1567.2	1567.2
160°	1588.6	1588.9	1589.2	1589.5
162.5°	1608.0	1608.9	1609.7	1610.5
165°	1624.1	1625.0	1625.8	1626.6
167.5°	1636.9	1638.0	1639.1	1640.2
170°	1648.0	1649.1	1650.2	1651.3
172.5°	1654.6	1656.0	1657.3	1658.7
175°	1660.8	1662.1	1663.5	1664.9
177.5°	1663.3	1664.6	1666.0	1667.4
180°	1664.9	1664.9	1664.9	1664.9

(END OF REPORT)