

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: P1031258

Luminaire Tested: S123RDIW-B775D755UB2750-4F0-XX-W2A-A_5000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1031258
REPORT IS A COMBINATION OF REPORTS P994787 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIW-B775D755UB2750-4F0-XX-W2A-A_5000K
Description: Define 3 Regressed Direct/Indirect Wall Mount with 5000K BioUP LEDs {m-DER=1.015}
{m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

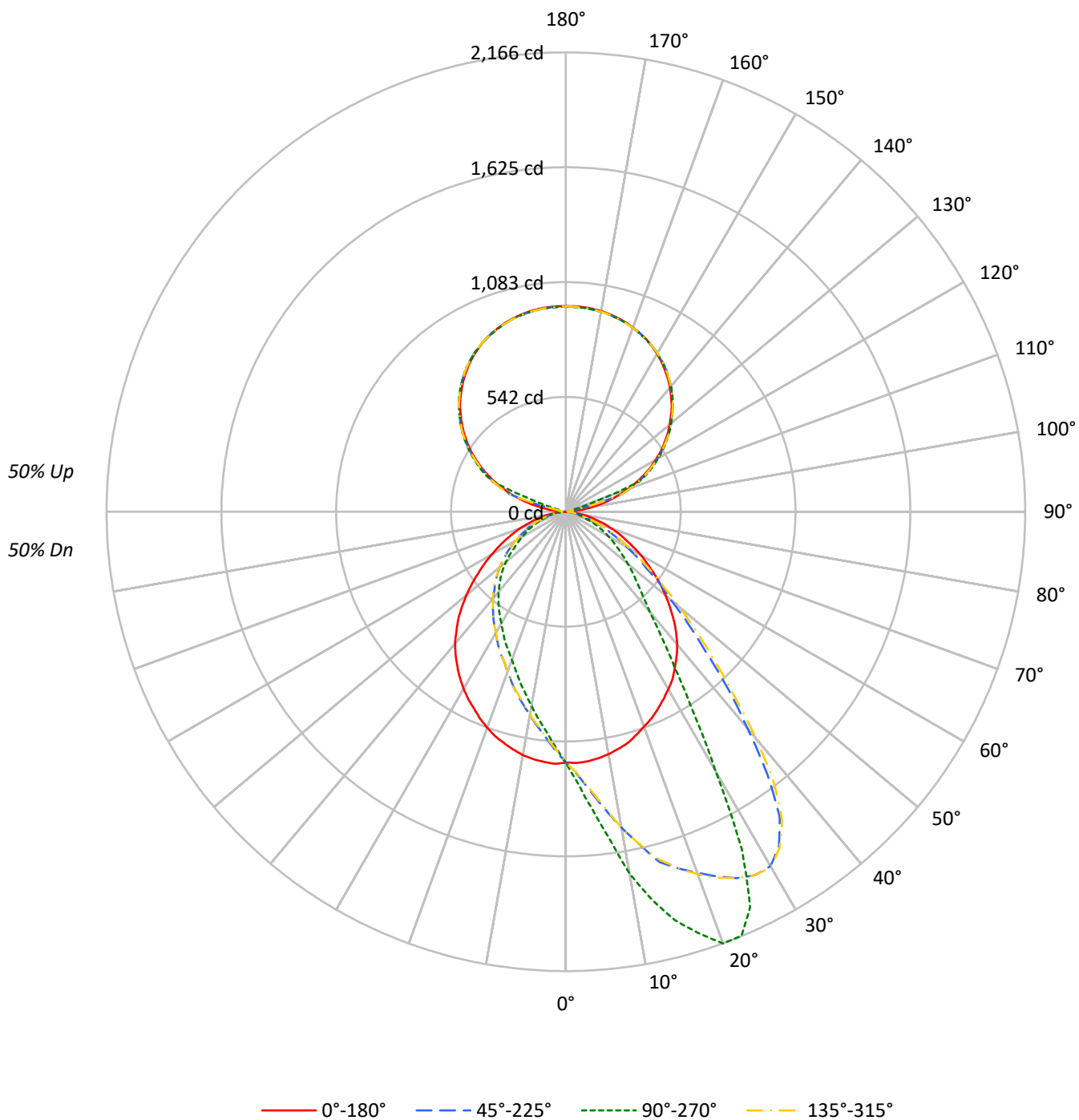
Lumens per Lamp: N/A
Luminaire Lumens: 5899.0 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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: P1031258

CATALOG NUMBER: S123RDIW-B775D755UB2750-4F0-XX-W2A-A_5000K

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	50	30	10
RCR																				
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	56	56	50
1	98	94	91	87	91	87	84	81	74	72	70	62	60	59	50	49	48	48	48	43
2	90	83	77	72	83	77	72	68	65	62	59	55	52	50	45	43	42	42	42	37
3	83	73	66	61	76	68	62	57	58	54	50	49	46	43	41	38	36	36	36	32
4	76	65	58	52	70	61	54	49	52	47	43	44	40	37	37	34	32	32	32	28
5	70	59	51	45	64	54	48	42	47	42	37	40	36	33	33	30	28	28	28	25
6	64	53	45	39	59	49	42	37	42	37	33	36	32	29	30	27	25	25	25	22
7	60	48	40	35	55	45	38	33	39	33	29	33	29	26	28	25	22	22	22	20
8	55	43	36	31	51	41	34	29	35	30	26	30	26	23	26	22	20	20	20	18
9	52	40	32	27	48	37	31	26	32	27	23	28	24	21	24	21	18	18	18	16
10	48	37	29	25	45	34	28	24	30	25	21	26	22	19	22	19	17	17	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12726	12726	12726	12726
5°	12736	14657	12768	10874
10°	12623	17694	12679	9498
15°	12494	20080	12494	8375
20°	12237	21660	12306	7429
25°	12050	20579	12026	6779
30°	11832	14258	11807	6143
35°	11569	9155	11517	5663
40°	11243	6464	11186	5186
45°	10674	5173	10659	4722
50°	9975	4327	9942	4179
55°	9188	3566	9116	3542
60°	8417	2948	8334	3013
65°	7513	2359	7561	2554
70°	6676	1639	6856	2065
75°	5660	1216	5892	1588
80°	4506	806	4891	1191
85°	3208	381	3496	740

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 16990 cd/sqm

TEST NUMBER: P1031258

CATALOG NUMBER: S123RDIW-B775D755UB2750-4F0-XX-W2A-A_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.1	2.0
10°-20°	363.5	6.2
20°-30°	572.4	9.7
30°-40°	595.2	10.1
40°-50°	509.2	8.6
50°-60°	388.3	6.6
60°-70°	248.7	4.2
70°-80°	119.2	2.0
80°-90°	33.3	0.6
90°-100°	34.1	0.6
100°-110°	165.2	2.8
110°-120°	404.7	6.9
120°-130°	513.8	8.7
130°-140°	548.9	9.3
140°-150°	513.2	8.7
150°-160°	414.0	7.0
160°-170°	267.2	4.5
170°-180°	92.1	1.6
0°-30°	1052.0	17.8
0°-40°	1647.2	27.9
0°-60°	2544.7	43.1
0°-90°	2945.9	49.9
90°-120°	604.0	10.2
90°-150°	2179.9	37.0
90°-180°	2953.0	50.1
0°-180°	5899.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1182	1182	1182	1182	1182	
5°	1181	1404	1184	1042	1181	112
15°	1129	1995	1129	832	1129	317
25°	1026	2056	1024	677	1026	473
35°	896	892	892	552	896	561
45°	719	476	718	434	719	553
55°	507	299	503	297	507	454
65°	311	172	313	186	311	310
75°	149	73	155	95	149	161
85°	33	17	36	33	33	37
90°	1	22	1	22	1	4
95°	44	27	44	27	44	52
105°	214	32	214	32	214	227
115°	402	423	402	423	402	397
125°	567	579	567	579	567	507
135°	706	713	706	713	706	544
145°	815	823	815	823	815	510
155°	897	896	897	896	897	414
165°	946	944	946	944	946	267
175°	969	965	969	965	969	92
180°	969	969	969	969	969	

TEST NUMBER: P1031258

CATALOG NUMBER: S123RDIW-B775D755UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3
2.5°	1185.3	1193.4	1199.5	1203.6	1213.7	1219.8	1224.8	1233.9	1233.9	1236.0	1240.0
5°	1181.3	1198.5	1210.6	1226.8	1248.1	1258.2	1272.4	1284.5	1301.7	1310.9	1320.0
7.5°	1172.2	1196.5	1221.8	1246.1	1277.5	1297.7	1311.9	1343.3	1365.5	1392.9	1414.1
10°	1160.0	1193.4	1225.8	1263.3	1305.8	1336.2	1357.4	1398.9	1441.4	1479.9	1512.3
12.5°	1144.8	1185.3	1231.9	1277.5	1337.2	1367.5	1402.0	1453.6	1514.3	1562.9	1606.4
15°	1128.7	1175.2	1227.9	1283.5	1358.4	1400.9	1450.5	1513.3	1581.1	1651.0	1710.7
17.5°	1103.3	1162.1	1220.8	1301.7	1389.8	1415.1	1457.6	1543.7	1627.7	1690.5	1763.3
20°	1078.0	1143.8	1217.7	1290.6	1385.8	1444.5	1484.0	1575.1	1665.1	1741.1	1810.9
22.5°	1054.8	1123.6	1200.5	1292.6	1381.7	1440.4	1490.0	1585.2	1689.4	1774.5	1860.5
25°	1026.4	1101.3	1186.4	1273.4	1381.7	1426.3	1480.9	1591.3	1701.6	1799.8	1906.1
27.5°	996.0	1072.0	1156.0	1245.1	1344.3	1410.1	1463.7	1582.1	1716.8	1822.0	1931.4
30°	965.7	1043.6	1124.6	1204.6	1315.9	1378.7	1440.4	1571.0	1724.9	1845.3	1929.3
32.5°	936.3	1002.1	1082.1	1160.0	1270.4	1339.2	1409.0	1559.9	1727.9	1829.1	1869.6
35°	895.8	964.7	1029.5	1112.5	1223.8	1291.6	1373.6	1558.9	1714.7	1777.5	1757.3
37.5°	858.4	916.1	977.8	1051.7	1166.1	1254.2	1339.2	1532.5	1671.2	1675.3	1560.9
40°	816.9	864.5	916.1	994.0	1117.5	1204.6	1296.7	1492.1	1592.3	1532.5	1331.1
42.5°	769.3	811.8	852.3	928.2	1062.9	1160.0	1259.2	1441.4	1477.9	1340.2	1130.7
45°	718.7	753.1	790.6	870.5	1005.2	1101.3	1200.5	1363.5	1326.0	1131.7	932.3
47.5°	666.1	695.4	731.9	804.7	943.4	1041.6	1135.7	1252.1	1157.0	948.5	781.5
50°	613.4	636.7	672.1	747.0	880.7	969.7	1056.8	1132.7	999.1	813.8	645.8
52.5°	561.8	580.0	616.5	680.2	809.8	894.8	957.6	986.9	851.3	672.1	560.8
55°	507.1	527.4	551.7	616.5	745.0	807.8	849.3	848.3	708.6	569.9	463.6
57.5°	454.5	472.7	494.0	558.8	663.0	705.5	741.0	723.8	591.2	466.6	397.8
60°	407.9	418.1	441.3	496.0	575.0	611.4	631.6	602.3	482.8	393.8	329.0
62.5°	357.3	367.4	386.7	438.3	486.9	506.1	523.3	485.9	398.8	320.9	281.4
65°	310.8	323.9	336.1	377.6	403.9	427.2	425.1	393.8	311.8	261.2	228.8
67.5°	270.3	275.3	285.5	310.8	322.9	340.1	341.1	305.7	251.0	212.6	193.3
70°	226.7	231.8	238.9	251.0	259.1	263.2	261.2	229.8	189.3	166.0	148.8
72.5°	189.3	188.3	193.3	193.3	201.4	200.4	194.4	170.1	143.7	124.5	114.4
75°	148.8	149.8	150.8	148.8	145.8	141.7	136.7	118.4	101.2	92.1	83.0
77.5°	116.4	114.4	115.4	108.3	104.3	100.2	93.1	84.0	69.8	67.8	63.8
80°	83.0	82.0	81.0	77.9	68.8	64.8	59.7	54.7	51.6	49.6	48.6
82.5°	55.7	55.7	53.6	47.6	42.5	39.5	38.5	36.4	33.4	33.4	32.4
85°	33.4	32.4	30.4	24.3	21.3	21.3	21.3	21.3	19.2	19.2	18.2
87.5°	13.2	12.1	9.1	9.1	8.1	8.1	8.1	7.1	7.1	6.1	6.1
90°	0.7	2.3	3.9	5.5	7.1	7.9	8.9	11.0	13.1	15.2	17.3
92.5°	16.6	15.6	14.6	13.7	12.7	12.2	12.9	14.4	15.8	17.3	18.7
95°	43.9	37.3	30.8	24.2	17.7	14.4	15.3	17.0	18.8	20.5	22.3
97.5°	79.9	75.4	70.9	66.4	61.9	59.7	55.6	47.5	39.3	31.2	23.0
100°	121.6	124.8	128.0	131.2	134.4	136.0	123.5	98.6	73.6	48.7	23.7
102.5°	169.1	171.2	173.3	175.4	177.5	178.5	164.6	136.8	108.9	81.1	53.3
105°	214.5	216.3	218.0	219.8	221.5	222.4	215.2	200.8	186.4	172.0	157.6
107.5°	262.7	264.1	265.6	267.0	268.5	269.2	270.4	272.8	275.1	277.5	279.9
110°	310.9	312.2	313.5	314.8	316.1	316.7	317.6	319.3	321.1	322.8	324.6

TEST NUMBER: P1031258

CATALOG NUMBER: S123RDIW-B775D755UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	357.0	358.1	359.2	360.3	361.4	362.0	362.9	364.6	366.4	368.1	369.9
115°	402.3	403.3	404.2	405.2	406.1	406.6	407.3	408.8	410.2	411.7	413.1
117.5°	446.9	448.0	449.1	450.2	451.3	451.9	452.3	453.1	453.9	454.7	455.5
120°	487.9	489.3	490.8	492.2	493.7	494.4	494.6	495.1	495.6	496.1	496.6
122.5°	529.7	530.8	531.9	533.0	534.1	534.7	535.0	535.7	536.3	537.0	537.6
125°	567.1	568.4	569.7	571.0	572.3	572.9	573.2	573.8	574.5	575.1	575.7
127.5°	604.5	605.8	607.1	608.4	609.7	610.3	610.7	611.5	612.3	613.1	613.9
130°	639.1	640.4	641.6	642.9	644.2	644.8	645.1	645.8	646.4	647.1	647.7
132.5°	672.2	673.5	674.7	676.0	677.3	677.9	678.1	678.6	679.1	679.6	680.1
135°	706.0	707.0	707.9	708.9	709.8	710.3	710.6	711.3	711.9	712.6	713.2
137.5°	734.8	736.1	737.3	738.6	739.9	740.5	740.7	741.0	741.3	741.7	742.0
140°	763.6	764.6	765.5	766.5	767.4	767.9	768.1	768.6	769.1	769.5	770.0
142.5°	790.2	791.2	792.1	793.1	794.0	794.5	794.7	795.2	795.7	796.2	796.7
145°	814.7	815.8	816.9	818.0	819.1	819.7	819.9	820.2	820.5	820.8	821.1
147.5°	838.4	839.2	840.0	840.8	841.6	842.0	842.2	842.5	842.8	843.1	843.4
150°	860.0	860.5	861.0	861.5	862.0	862.2	862.4	862.7	863.0	863.3	863.6
152.5°	879.4	879.6	879.7	879.9	880.0	880.1	880.2	880.4	880.5	880.7	880.9
155°	897.4	897.1	896.8	896.5	896.2	896.0	896.1	896.2	896.4	896.5	896.7
157.5°	911.8	911.8	911.8	911.8	911.8	911.8	911.7	911.6	911.4	911.3	911.1
160°	924.8	924.6	924.4	924.3	924.1	924.0	923.9	923.8	923.6	923.5	923.3
162.5°	937.0	936.5	936.0	935.5	935.0	934.8	934.7	934.6	934.4	934.3	934.1
165°	946.4	945.9	945.4	944.9	944.4	944.2	944.1	944.0	943.8	943.7	943.5
167.5°	954.3	953.7	953.0	952.4	951.7	951.4	951.4	951.4	951.4	951.4	951.4
170°	960.8	960.2	959.5	958.9	958.2	957.9	957.9	957.9	957.9	957.9	957.9
172.5°	965.1	964.3	963.5	962.7	961.9	961.5	961.6	961.7	961.9	962.0	962.2
175°	968.7	967.9	967.1	966.3	965.5	965.1	965.2	965.3	965.5	965.6	965.8
177.5°	970.1	969.3	968.5	967.7	966.9	966.5	966.6	966.7	966.9	967.0	967.2
180°	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7

TEST NUMBER: P1031258

CATALOG NUMBER: S123RDIW-B775D755UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3
2.5°	1248.1	1248.1	1257.2	1266.3	1261.3	1264.3	1275.4	1271.4	1279.5	1278.5	1281.5
5°	1342.2	1353.4	1362.5	1381.7	1384.8	1381.7	1400.9	1406.0	1415.1	1404.0	1409.0
7.5°	1448.5	1471.8	1494.1	1522.4	1531.5	1533.6	1543.7	1557.8	1570.0	1547.7	1558.9
10°	1551.8	1587.2	1632.8	1658.1	1680.3	1688.4	1696.5	1705.6	1719.8	1733.0	1722.8
12.5°	1663.1	1714.7	1758.3	1803.8	1831.2	1828.1	1851.4	1857.5	1868.6	1871.6	1875.7
15°	1754.2	1827.1	1854.4	1922.3	1928.3	1948.6	1974.9	1998.2	2001.2	1995.1	1995.1
17.5°	1841.3	1904.0	1952.6	2007.3	2018.4	2035.6	2069.0	2080.2	2084.2	2083.2	2083.2
20°	1912.1	1953.6	2035.6	2081.2	2099.4	2121.7	2144.9	2159.1	2162.2	2166.2	2160.1
22.5°	1958.7	2021.5	2088.3	2125.7	2140.9	2149.0	2164.2	2168.2	2163.2	2164.2	2165.2
25°	1995.1	2056.9	2097.4	2107.5	2106.5	2096.4	2085.2	2066.0	2064.0	2055.9	2039.7
27.5°	2005.3	2028.5	2023.5	1982.0	1940.5	1936.4	1869.6	1833.2	1791.7	1797.7	1774.5
30°	1950.6	1920.2	1848.4	1743.1	1699.6	1628.7	1553.8	1475.9	1445.5	1412.1	1473.8
32.5°	1817.0	1708.7	1581.1	1444.5	1371.6	1308.8	1228.9	1172.2	1139.8	1112.5	1165.1
35°	1615.5	1446.5	1277.5	1147.9	1088.2	1031.5	956.6	928.2	887.7	891.8	896.8
37.5°	1356.4	1170.2	1042.6	915.1	875.6	852.3	797.6	754.1	740.0	735.9	735.9
40°	1113.5	960.6	847.2	747.0	716.7	697.4	653.9	633.7	618.5	614.4	619.5
42.5°	921.1	790.6	702.5	635.7	614.4	590.1	571.9	546.6	543.6	536.5	545.6
45°	773.4	660.0	594.2	545.6	527.4	518.3	498.0	482.8	476.8	475.8	482.8
47.5°	655.9	567.9	510.2	479.8	465.6	456.5	439.3	433.2	427.2	429.2	426.2
50°	550.7	484.9	447.4	420.1	411.0	401.9	390.7	384.7	381.6	381.6	380.6
52.5°	472.7	418.1	393.8	368.5	364.4	359.3	347.2	343.2	338.1	337.1	341.1
55°	404.9	367.4	343.2	328.0	323.9	313.8	308.7	303.7	300.6	298.6	299.6
57.5°	346.2	317.8	301.6	288.5	281.4	277.4	268.2	267.2	265.2	265.2	264.2
60°	297.6	277.4	258.1	250.0	245.0	239.9	238.9	232.8	229.8	231.8	230.8
62.5°	252.0	235.9	224.7	215.6	212.6	208.5	205.5	203.5	200.4	201.4	201.4
65°	210.5	197.4	189.3	181.2	180.2	176.1	175.1	173.1	173.1	172.1	174.1
67.5°	173.1	164.0	156.9	151.8	148.8	149.8	145.8	142.7	142.7	141.7	144.8
70°	137.7	132.6	125.5	119.4	115.4	115.4	110.3	109.3	109.3	109.3	108.3
72.5°	106.3	97.2	94.1	92.1	92.1	92.1	90.1	90.1	89.1	90.1	89.1
75°	79.0	77.9	75.9	74.9	74.9	73.9	72.9	72.9	72.9	72.9	72.9
77.5°	61.7	61.7	59.7	58.7	58.7	58.7	57.7	57.7	56.7	56.7	56.7
80°	45.6	45.6	43.5	43.5	43.5	42.5	42.5	42.5	43.5	42.5	42.5
82.5°	31.4	31.4	30.4	31.4	30.4	29.4	29.4	29.4	28.3	29.4	29.4
85°	18.2	18.2	17.2	16.2	17.2	17.2	16.2	17.2	16.2	17.2	16.2
87.5°	7.1	6.1	6.1	6.1	5.1	6.1	5.1	5.1	6.1	5.1	6.1
90°	17.9	18.6	19.2	19.9	20.2	20.4	20.7	21.0	21.3	21.6	21.3
92.5°	19.8	20.9	22.0	23.1	23.7	23.8	24.0	24.1	24.3	24.5	24.3
95°	23.4	24.5	25.6	26.7	27.3	27.3	27.3	27.3	27.3	27.3	27.3
97.5°	24.3	25.6	26.9	28.2	28.8	28.9	29.0	29.2	29.3	29.5	29.3
100°	25.0	26.3	27.6	28.9	29.5	29.6	29.7	29.9	30.0	30.2	30.0
102.5°	48.0	42.7	37.4	32.1	29.5	29.7	30.0	30.3	30.6	30.9	30.6
105°	129.3	101.0	72.7	44.4	30.2	30.4	30.7	31.0	31.4	31.7	31.4
107.5°	255.3	230.7	206.0	181.4	169.1	158.6	137.7	116.7	95.8	74.8	95.8
110°	319.3	314.0	308.7	303.4	300.8	289.4	266.5	243.6	220.8	197.9	220.8

TEST NUMBER: P1031258

CATALOG NUMBER: S123RDIW-B775D755UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	371.3	372.8	374.2	375.7	376.4	376.2	375.9	375.6	375.2	374.9	375.2
115°	414.7	416.3	417.9	419.5	420.3	420.6	421.3	421.9	422.6	423.2	422.6
117.5°	456.8	458.1	459.4	460.7	461.3	461.4	461.5	461.7	461.8	462.0	461.8
120°	497.9	499.1	500.4	501.7	502.3	502.3	502.3	502.3	502.3	502.3	502.3
122.5°	538.4	539.2	540.0	540.8	541.2	541.3	541.4	541.6	541.7	541.9	541.7
125°	576.0	576.4	576.7	577.0	577.2	577.4	577.7	578.0	578.3	578.6	578.3
127.5°	614.4	614.8	615.3	615.8	616.0	615.8	615.5	615.2	614.9	614.6	614.9
130°	648.3	649.0	649.6	650.3	650.6	650.4	650.1	649.8	649.4	649.1	649.4
132.5°	680.7	681.4	682.0	682.7	683.0	682.8	682.3	681.8	681.3	680.8	681.3
135°	713.7	714.1	714.6	715.1	715.3	715.1	714.6	714.1	713.7	713.2	713.7
137.5°	742.8	743.6	744.4	745.2	745.6	745.4	745.1	744.8	744.4	744.1	744.4
140°	770.6	771.3	771.9	772.6	772.9	772.7	772.4	772.1	771.8	771.5	771.8
142.5°	797.2	797.6	798.1	798.6	798.8	798.6	798.1	797.6	797.2	796.7	797.2
145°	821.4	821.8	822.1	822.4	822.6	822.6	822.6	822.6	822.6	822.6	822.6
147.5°	843.7	844.1	844.4	844.7	844.9	844.5	843.7	842.9	842.1	841.3	842.1
150°	863.9	864.2	864.5	864.8	865.0	864.8	864.3	863.8	863.4	862.9	863.4
152.5°	881.5	882.1	882.8	883.4	883.7	883.3	882.5	881.7	880.9	880.1	880.9
155°	897.5	898.3	899.1	899.9	900.3	899.8	898.9	897.9	897.0	896.0	897.0
157.5°	912.1	913.0	914.0	914.9	915.4	914.8	913.5	912.2	911.0	909.7	911.0
160°	924.3	925.2	926.2	927.1	927.6	927.0	925.9	924.8	923.7	922.6	923.7
162.5°	935.2	936.4	937.5	938.6	939.2	938.7	937.7	936.8	935.8	934.8	935.8
165°	944.8	946.0	947.3	948.6	949.2	948.6	947.5	946.4	945.3	944.2	945.3
167.5°	952.7	954.0	955.3	956.6	957.2	956.6	955.3	954.0	952.7	951.4	952.7
170°	959.2	960.4	961.7	963.0	963.6	963.0	961.7	960.4	959.2	957.9	959.2
172.5°	963.5	964.7	966.0	967.3	967.9	967.2	965.8	964.3	962.9	961.5	962.9
175°	966.9	968.0	969.1	970.2	970.8	970.2	968.9	967.6	966.4	965.1	966.4
177.5°	968.5	969.8	971.1	972.4	973.0	972.2	970.6	969.0	967.4	965.8	967.4
180°	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7

TEST NUMBER: P1031258

CATALOG NUMBER: S123RDIW-B775D755UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3
2.5°	1276.4	1270.4	1266.3	1263.3	1260.2	1269.4	1257.2	1244.1	1234.9	1228.9	1226.8
5°	1410.1	1396.9	1385.8	1376.7	1378.7	1378.7	1357.4	1334.1	1313.9	1302.8	1290.6
7.5°	1564.9	1550.8	1528.5	1523.4	1519.4	1494.1	1472.8	1430.3	1405.0	1379.7	1357.4
10°	1718.8	1700.6	1679.3	1672.2	1662.1	1630.7	1598.3	1543.7	1512.3	1465.7	1436.4
12.5°	1862.5	1840.3	1819.0	1813.9	1798.8	1771.4	1715.8	1659.1	1605.4	1555.8	1504.2
15°	1983.0	1976.9	1944.5	1924.3	1890.9	1853.4	1841.3	1764.3	1696.5	1644.9	1551.8
17.5°	2084.2	2055.9	2025.5	2012.3	1999.2	1955.7	1912.1	1833.2	1760.3	1684.4	1624.7
20°	2165.2	2133.8	2112.6	2093.3	2087.3	2037.7	1968.8	1899.0	1819.0	1734.0	1656.0
22.5°	2169.2	2165.2	2151.0	2139.9	2127.7	2095.3	2040.7	1953.6	1868.6	1775.5	1673.2
25°	2085.2	2079.2	2119.6	2109.5	2117.6	2105.5	2076.1	2003.2	1904.0	1794.7	1691.5
27.5°	1832.2	1893.9	1957.7	1980.0	1995.1	2038.7	2052.8	2012.3	1932.4	1816.0	1700.6
30°	1488.0	1570.0	1673.2	1728.9	1771.4	1852.4	1957.7	1970.8	1933.4	1840.3	1698.5
32.5°	1168.1	1243.0	1326.0	1391.8	1448.5	1614.5	1756.2	1858.5	1876.7	1828.1	1703.6
35°	941.4	973.8	1052.7	1115.5	1192.4	1334.1	1501.2	1666.2	1777.5	1783.6	1688.4
37.5°	776.4	793.6	862.4	897.9	943.4	1067.9	1223.8	1439.4	1612.5	1694.5	1645.9
40°	642.8	682.3	721.7	742.0	774.4	860.4	1010.2	1179.3	1393.9	1545.7	1580.1
42.5°	557.7	575.0	600.3	628.6	648.8	723.8	824.0	978.8	1172.2	1383.7	1478.9
45°	492.0	498.0	524.3	542.6	563.8	616.5	687.3	816.9	986.9	1195.5	1357.4
47.5°	437.3	449.4	463.6	474.7	488.9	529.4	590.1	684.3	834.1	1020.3	1194.5
50°	388.7	395.8	414.0	419.1	429.2	457.5	504.1	576.0	699.5	848.3	1028.4
52.5°	343.2	356.3	363.4	370.5	379.6	402.9	433.2	492.0	585.1	724.8	877.6
55°	307.7	311.8	321.9	328.0	335.1	351.2	377.6	421.1	494.0	605.3	750.1
57.5°	273.3	273.3	283.4	288.5	295.6	307.7	331.0	364.4	417.0	500.0	632.7
60°	236.9	237.9	246.0	252.0	254.1	266.2	285.5	311.8	352.3	413.0	521.3
62.5°	204.5	209.5	213.6	215.6	222.7	229.8	246.0	264.2	292.5	346.2	423.1
65°	177.1	178.2	181.2	183.2	186.3	194.4	206.5	218.6	242.9	282.4	345.2
67.5°	145.8	149.8	153.9	153.9	156.9	160.9	173.1	183.2	201.4	224.7	267.2
70°	109.3	111.3	117.4	120.5	124.5	131.6	137.7	143.7	157.9	175.1	207.5
72.5°	91.1	91.1	93.1	94.1	94.1	99.2	108.3	114.4	121.5	133.6	155.9
75°	72.9	72.9	75.9	74.9	76.9	79.0	80.0	84.0	88.1	97.2	110.3
77.5°	57.7	58.7	58.7	59.7	59.7	60.7	61.7	63.8	65.8	70.9	76.9
80°	42.5	43.5	43.5	44.5	44.5	45.6	46.6	47.6	49.6	51.6	54.7
82.5°	29.4	30.4	30.4	31.4	30.4	31.4	32.4	32.4	33.4	35.4	36.4
85°	17.2	17.2	18.2	17.2	17.2	17.2	18.2	18.2	19.2	22.3	22.3
87.5°	5.1	6.1	5.1	6.1	6.1	6.1	6.1	7.1	7.1	8.1	9.1
90°	21.0	20.7	20.4	20.2	19.9	19.2	18.6	17.9	17.3	15.2	13.1
92.5°	24.1	24.0	23.8	23.7	23.1	22.0	20.9	19.8	18.7	17.3	15.8
95°	27.3	27.3	27.3	27.3	26.7	25.6	24.5	23.4	22.3	20.5	18.8
97.5°	29.2	29.0	28.9	28.8	28.2	26.9	25.6	24.3	23.0	31.2	39.3
100°	29.9	29.7	29.6	29.5	28.9	27.6	26.3	25.0	23.7	48.7	73.6
102.5°	30.3	30.0	29.7	29.5	32.1	37.4	42.7	48.0	53.3	81.1	108.9
105°	31.0	30.7	30.4	30.2	44.4	72.7	101.0	129.3	157.6	172.0	186.4
107.5°	116.7	137.7	158.6	169.1	181.4	206.0	230.7	255.3	279.9	277.5	275.1
110°	243.6	266.5	289.4	300.8	303.4	308.7	314.0	319.3	324.6	322.8	321.1

TEST NUMBER: P1031258

CATALOG NUMBER: S123RDIW-B775D755UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	375.6	375.9	376.2	376.4	375.7	374.2	372.8	371.3	369.9	368.1	366.4
115°	421.9	421.3	420.6	420.3	419.5	417.9	416.3	414.7	413.1	411.7	410.2
117.5°	461.7	461.5	461.4	461.3	460.7	459.4	458.1	456.8	455.5	454.7	453.9
120°	502.3	502.3	502.3	502.3	501.7	500.4	499.1	497.9	496.6	496.1	495.6
122.5°	541.6	541.4	541.3	541.2	540.8	540.0	539.2	538.4	537.6	537.0	536.3
125°	578.0	577.7	577.4	577.2	577.0	576.7	576.4	576.0	575.7	575.1	574.5
127.5°	615.2	615.5	615.8	616.0	615.8	615.3	614.8	614.4	613.9	613.1	612.3
130°	649.8	650.1	650.4	650.6	650.3	649.6	649.0	648.3	647.7	647.1	646.4
132.5°	681.8	682.3	682.8	683.0	682.7	682.0	681.4	680.7	680.1	679.6	679.1
135°	714.1	714.6	715.1	715.3	715.1	714.6	714.1	713.7	713.2	712.6	711.9
137.5°	744.8	745.1	745.4	745.6	745.2	744.4	743.6	742.8	742.0	741.7	741.3
140°	772.1	772.4	772.7	772.9	772.6	771.9	771.3	770.6	770.0	769.5	769.1
142.5°	797.6	798.1	798.6	798.8	798.6	798.1	797.6	797.2	796.7	796.2	795.7
145°	822.6	822.6	822.6	822.6	822.4	822.1	821.8	821.4	821.1	820.8	820.5
147.5°	842.9	843.7	844.5	844.9	844.7	844.4	844.1	843.7	843.4	843.1	842.8
150°	863.8	864.3	864.8	865.0	864.8	864.5	864.2	863.9	863.6	863.3	863.0
152.5°	881.7	882.5	883.3	883.7	883.4	882.8	882.1	881.5	880.9	880.7	880.5
155°	897.9	898.9	899.8	900.3	899.9	899.1	898.3	897.5	896.7	896.5	896.4
157.5°	912.2	913.5	914.8	915.4	914.9	914.0	913.0	912.1	911.1	911.3	911.4
160°	924.8	925.9	927.0	927.6	927.1	926.2	925.2	924.3	923.3	923.5	923.6
162.5°	936.8	937.7	938.7	939.2	938.6	937.5	936.4	935.2	934.1	934.3	934.4
165°	946.4	947.5	948.6	949.2	948.6	947.3	946.0	944.8	943.5	943.7	943.8
167.5°	954.0	955.3	956.6	957.2	956.6	955.3	954.0	952.7	951.4	951.4	951.4
170°	960.4	961.7	963.0	963.6	963.0	961.7	960.4	959.2	957.9	957.9	957.9
172.5°	964.3	965.8	967.2	967.9	967.3	966.0	964.7	963.5	962.2	962.0	961.9
175°	967.6	968.9	970.2	970.8	970.2	969.1	968.0	966.9	965.8	965.6	965.5
177.5°	969.0	970.6	972.2	973.0	972.4	971.1	969.8	968.5	967.2	967.0	966.9
180°	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7

TEST NUMBER: P1031258

CATALOG NUMBER: S123RDIW-B775D755UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3
2.5°	1223.8	1218.7	1213.7	1213.7	1202.5	1192.4	1187.4	1189.4	1183.3	1175.2	1167.1
5°	1277.5	1257.2	1253.2	1242.0	1226.8	1205.6	1194.5	1184.3	1172.2	1156.0	1140.8
7.5°	1327.1	1300.7	1286.6	1275.4	1246.1	1216.7	1192.4	1176.2	1155.0	1130.7	1112.5
10°	1391.8	1343.3	1328.1	1302.8	1261.3	1219.8	1191.4	1165.1	1135.7	1107.4	1083.1
12.5°	1443.5	1387.8	1359.4	1334.1	1280.5	1227.9	1180.3	1147.9	1112.5	1081.1	1049.7
15°	1502.2	1439.4	1389.8	1359.4	1291.6	1227.9	1174.2	1128.7	1089.2	1050.7	1023.4
17.5°	1530.5	1451.6	1429.3	1385.8	1287.6	1223.8	1158.0	1109.4	1061.8	1017.3	984.9
20°	1575.1	1482.9	1427.3	1397.9	1310.9	1216.7	1139.8	1084.1	1034.5	986.9	952.5
22.5°	1578.1	1477.9	1441.4	1385.8	1278.5	1195.5	1123.6	1055.8	998.1	953.5	918.1
25°	1571.0	1468.8	1418.2	1373.6	1284.5	1183.3	1091.2	1024.4	967.7	916.1	874.6
27.5°	1568.0	1442.5	1394.9	1350.3	1250.1	1147.9	1072.0	996.0	931.3	885.7	843.2
30°	1563.9	1414.1	1356.4	1304.8	1212.7	1120.6	1029.5	963.7	901.9	844.2	801.7
32.5°	1537.6	1375.6	1316.9	1262.3	1163.1	1071.0	999.1	929.2	862.4	808.8	770.3
35°	1529.5	1340.2	1263.3	1204.6	1107.4	1025.4	949.5	891.8	829.0	775.4	729.8
37.5°	1506.2	1303.8	1220.8	1145.9	1044.6	966.7	911.0	853.3	792.6	734.9	698.4
40°	1465.7	1261.3	1167.1	1090.2	985.9	907.0	855.3	812.8	753.1	701.5	656.9
42.5°	1406.0	1217.7	1116.5	1035.5	920.1	846.2	803.7	763.2	712.6	659.0	622.5
45°	1337.2	1160.0	1065.9	975.8	858.4	786.5	742.0	717.7	671.1	625.6	583.1
47.5°	1243.0	1100.3	1007.2	914.1	794.6	724.8	689.3	665.0	632.7	583.1	548.6
50°	1124.6	1023.4	935.3	852.3	731.9	665.0	629.6	611.4	584.1	548.6	515.2
52.5°	993.0	934.3	861.4	784.5	668.1	605.3	572.9	558.8	538.5	505.1	476.8
55°	860.4	835.1	785.5	709.6	601.3	549.6	521.3	503.1	487.9	463.6	439.3
57.5°	742.0	729.8	695.4	636.7	545.6	492.0	467.7	455.5	443.4	425.1	400.8
60°	619.5	632.7	597.2	567.9	484.9	438.3	417.0	403.9	397.8	381.6	366.4
62.5°	513.2	525.4	505.1	482.8	424.1	382.6	369.5	357.3	353.3	339.1	323.9
65°	417.0	432.2	417.0	404.9	369.5	335.1	318.9	312.8	308.7	299.6	287.5
67.5°	332.0	347.2	340.1	324.9	313.8	285.5	276.3	270.3	268.2	261.2	251.0
70°	250.0	271.3	273.3	264.2	254.1	240.9	234.8	232.8	227.8	221.7	215.6
72.5°	180.2	204.5	205.5	205.5	199.4	199.4	193.3	190.3	190.3	184.2	177.1
75°	132.6	148.8	150.8	152.8	155.9	158.9	154.9	154.9	153.9	147.8	144.8
77.5°	88.1	102.2	107.3	114.4	118.4	118.4	120.5	122.5	120.5	117.4	115.4
80°	56.7	66.8	72.9	76.9	83.0	86.0	89.1	90.1	88.1	87.1	84.0
82.5°	37.5	40.5	43.5	48.6	55.7	60.7	60.7	59.7	61.7	60.7	59.7
85°	21.3	23.3	24.3	25.3	29.4	34.4	35.4	36.4	38.5	36.4	34.4
87.5°	8.1	9.1	9.1	9.1	11.1	12.1	15.2	19.2	18.2	16.2	16.2
90°	11.0	8.9	7.9	7.1	5.5	3.9	2.3	0.7	2.3	3.9	5.5
92.5°	14.4	12.9	12.2	12.7	13.7	14.6	15.6	16.6	15.6	14.6	13.7
95°	17.0	15.3	14.4	17.7	24.2	30.8	37.3	43.9	37.3	30.8	24.2
97.5°	47.5	55.6	59.7	61.9	66.4	70.9	75.4	79.9	75.4	70.9	66.4
100°	98.6	123.5	136.0	134.4	131.2	128.0	124.8	121.6	124.8	128.0	131.2
102.5°	136.8	164.6	178.5	177.5	175.4	173.3	171.2	169.1	171.2	173.3	175.4
105°	200.8	215.2	222.4	221.5	219.8	218.0	216.3	214.5	216.3	218.0	219.8
107.5°	272.8	270.4	269.2	268.5	267.0	265.6	264.1	262.7	264.1	265.6	267.0
110°	319.3	317.6	316.7	316.1	314.8	313.5	312.2	310.9	312.2	313.5	314.8

TEST NUMBER: P1031258

CATALOG NUMBER: S123RDIW-B775D755UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	364.6	362.9	362.0	361.4	360.3	359.2	358.1	357.0	358.1	359.2	360.3
115°	408.8	407.3	406.6	406.1	405.2	404.2	403.3	402.3	403.3	404.2	405.2
117.5°	453.1	452.3	451.9	451.3	450.2	449.1	448.0	446.9	448.0	449.1	450.2
120°	495.1	494.6	494.4	493.7	492.2	490.8	489.3	487.9	489.3	490.8	492.2
122.5°	535.7	535.0	534.7	534.1	533.0	531.9	530.8	529.7	530.8	531.9	533.0
125°	573.8	573.2	572.9	572.3	571.0	569.7	568.4	567.1	568.4	569.7	571.0
127.5°	611.5	610.7	610.3	609.7	608.4	607.1	605.8	604.5	605.8	607.1	608.4
130°	645.8	645.1	644.8	644.2	642.9	641.6	640.4	639.1	640.4	641.6	642.9
132.5°	678.6	678.1	677.9	677.3	676.0	674.7	673.5	672.2	673.5	674.7	676.0
135°	711.3	710.6	710.3	709.8	708.9	707.9	707.0	706.0	707.0	707.9	708.9
137.5°	741.0	740.7	740.5	739.9	738.6	737.3	736.1	734.8	736.1	737.3	738.6
140°	768.6	768.1	767.9	767.4	766.5	765.5	764.6	763.6	764.6	765.5	766.5
142.5°	795.2	794.7	794.5	794.0	793.1	792.1	791.2	790.2	791.2	792.1	793.1
145°	820.2	819.9	819.7	819.1	818.0	816.9	815.8	814.7	815.8	816.9	818.0
147.5°	842.5	842.2	842.0	841.6	840.8	840.0	839.2	838.4	839.2	840.0	840.8
150°	862.7	862.4	862.2	862.0	861.5	861.0	860.5	860.0	860.5	861.0	861.5
152.5°	880.4	880.2	880.1	880.0	879.9	879.7	879.6	879.4	879.6	879.7	879.9
155°	896.2	896.1	896.0	896.2	896.5	896.8	897.1	897.4	897.1	896.8	896.5
157.5°	911.6	911.7	911.8	911.8	911.8	911.8	911.8	911.8	911.8	911.8	911.8
160°	923.8	923.9	924.0	924.1	924.3	924.4	924.6	924.8	924.6	924.4	924.3
162.5°	934.6	934.7	934.8	935.0	935.5	936.0	936.5	937.0	936.5	936.0	935.5
165°	944.0	944.1	944.2	944.4	944.9	945.4	945.9	946.4	945.9	945.4	944.9
167.5°	951.4	951.4	951.4	951.7	952.4	953.0	953.7	954.3	953.7	953.0	952.4
170°	957.9	957.9	957.9	958.2	958.9	959.5	960.2	960.8	960.2	959.5	958.9
172.5°	961.7	961.6	961.5	961.9	962.7	963.5	964.3	965.1	964.3	963.5	962.7
175°	965.3	965.2	965.1	965.5	966.3	967.1	967.9	968.7	967.9	967.1	966.3
177.5°	966.7	966.6	966.5	966.9	967.7	968.5	969.3	970.1	969.3	968.5	967.7
180°	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7

TEST NUMBER: P1031258

CATALOG NUMBER: S123RDIW-B775D755UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3
2.5°	1167.1	1162.1	1160.0	1155.0	1142.8	1134.7	1125.6	1119.5	1120.6	1115.5	1118.5
5°	1130.7	1129.7	1122.6	1112.5	1095.2	1086.1	1069.9	1061.8	1057.8	1058.8	1052.7
7.5°	1100.3	1091.2	1086.1	1069.9	1053.7	1034.5	1021.4	1014.3	1008.2	1002.1	998.1
10°	1065.9	1057.8	1049.7	1032.5	1010.2	992.0	973.8	966.7	957.6	953.5	950.5
12.5°	1029.5	1024.4	1014.3	994.0	968.7	951.5	930.3	926.2	914.1	906.0	903.9
15°	996.0	993.0	974.8	951.5	926.2	909.0	890.8	878.6	858.4	862.4	855.3
17.5°	960.6	947.5	936.3	904.9	892.8	866.5	845.2	839.2	825.0	815.9	806.8
20°	921.1	913.0	898.9	878.6	849.3	818.9	802.7	792.6	784.5	770.3	766.3
22.5°	883.7	873.6	861.4	835.1	809.8	784.5	762.2	753.1	743.0	732.9	726.8
25°	854.3	839.2	826.0	793.6	768.3	747.0	732.9	717.7	703.5	697.4	695.4
27.5°	808.8	799.7	786.5	756.1	732.9	709.6	696.4	686.3	671.1	664.0	658.0
30°	779.4	761.2	746.0	721.7	698.4	673.1	661.0	648.8	639.7	630.6	623.5
32.5°	740.0	725.8	713.6	689.3	666.1	642.8	629.6	611.4	606.3	599.2	591.2
35°	701.5	692.4	679.2	652.9	627.6	611.4	597.2	580.0	573.9	568.9	561.8
37.5°	665.0	651.9	642.8	617.5	595.2	576.0	564.8	550.7	546.6	540.5	535.5
40°	633.7	620.5	611.4	586.1	562.8	542.6	535.5	521.3	515.2	508.1	505.1
42.5°	598.2	587.1	575.0	556.7	532.4	512.2	498.0	489.9	481.8	478.8	472.7
45°	560.8	550.7	541.6	521.3	496.0	481.8	469.7	458.5	452.5	447.4	443.4
47.5°	528.4	519.3	507.1	484.9	464.6	451.5	439.3	428.2	422.1	416.0	411.0
50°	490.9	485.9	472.7	451.5	432.2	417.0	405.9	395.8	391.7	384.7	376.6
52.5°	457.5	448.4	437.3	420.1	402.9	384.7	369.5	363.4	356.3	352.3	345.2
55°	418.1	412.0	399.8	384.7	366.4	351.2	340.1	332.0	322.9	318.9	309.7
57.5°	384.7	373.5	367.4	348.2	331.0	315.8	307.7	299.6	289.5	283.4	279.4
60°	348.2	338.1	329.0	312.8	300.6	284.4	272.3	265.2	258.1	250.0	246.0
62.5°	312.8	304.7	293.6	280.4	265.2	252.0	242.9	232.8	228.8	220.7	217.6
65°	274.3	268.2	259.1	244.0	231.8	220.7	211.6	203.5	199.4	196.4	194.4
67.5°	239.9	231.8	225.7	212.6	199.4	190.3	185.2	180.2	175.1	172.1	169.0
70°	204.5	198.4	192.3	180.2	171.1	163.0	158.9	154.9	151.8	148.8	145.8
72.5°	168.0	165.0	158.9	150.8	143.7	137.7	134.6	129.6	126.5	121.5	119.4
75°	138.7	133.6	130.6	123.5	117.4	112.4	108.3	102.2	98.2	96.2	95.2
77.5°	109.3	107.3	103.2	97.2	94.1	89.1	83.0	81.0	79.0	79.0	77.9
80°	82.0	79.0	75.9	70.9	67.8	63.8	63.8	63.8	62.8	63.8	62.8
82.5°	55.7	53.6	51.6	48.6	47.6	47.6	48.6	48.6	48.6	48.6	48.6
85°	32.4	32.4	32.4	33.4	32.4	32.4	33.4	34.4	33.4	33.4	32.4
87.5°	15.2	15.2	16.2	16.2	17.2	17.2	17.2	17.2	17.2	17.2	18.2
90°	7.1	7.9	8.9	11.0	13.1	15.2	17.3	17.9	18.6	19.2	19.9
92.5°	12.7	12.2	12.9	14.4	15.8	17.3	18.7	19.8	20.9	22.0	23.1
95°	17.7	14.4	15.3	17.0	18.8	20.5	22.3	23.4	24.5	25.6	26.7
97.5°	61.9	59.7	55.6	47.5	39.3	31.2	23.0	24.3	25.6	26.9	28.2
100°	134.4	136.0	123.5	98.6	73.6	48.7	23.7	25.0	26.3	27.6	28.9
102.5°	177.5	178.5	164.6	136.8	108.9	81.1	53.3	48.0	42.7	37.4	32.1
105°	221.5	222.4	215.2	200.8	186.4	172.0	157.6	129.3	101.0	72.7	44.4
107.5°	268.5	269.2	270.4	272.8	275.1	277.5	279.9	255.3	230.7	206.0	181.4
110°	316.1	316.7	317.6	319.3	321.1	322.8	324.6	319.3	314.0	308.7	303.4

TEST NUMBER: P1031258

CATALOG NUMBER: S123RDIW-B775D755UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	361.4	362.0	362.9	364.6	366.4	368.1	369.9	371.3	372.8	374.2	375.7
115°	406.1	406.6	407.3	408.8	410.2	411.7	413.1	414.7	416.3	417.9	419.5
117.5°	451.3	451.9	452.3	453.1	453.9	454.7	455.5	456.8	458.1	459.4	460.7
120°	493.7	494.4	494.6	495.1	495.6	496.1	496.6	497.9	499.1	500.4	501.7
122.5°	534.1	534.7	535.0	535.7	536.3	537.0	537.6	538.4	539.2	540.0	540.8
125°	572.3	572.9	573.2	573.8	574.5	575.1	575.7	576.0	576.4	576.7	577.0
127.5°	609.7	610.3	610.7	611.5	612.3	613.1	613.9	614.4	614.8	615.3	615.8
130°	644.2	644.8	645.1	645.8	646.4	647.1	647.7	648.3	649.0	649.6	650.3
132.5°	677.3	677.9	678.1	678.6	679.1	679.6	680.1	680.7	681.4	682.0	682.7
135°	709.8	710.3	710.6	711.3	711.9	712.6	713.2	713.7	714.1	714.6	715.1
137.5°	739.9	740.5	740.7	741.0	741.3	741.7	742.0	742.8	743.6	744.4	745.2
140°	767.4	767.9	768.1	768.6	769.1	769.5	770.0	770.6	771.3	771.9	772.6
142.5°	794.0	794.5	794.7	795.2	795.7	796.2	796.7	797.2	797.6	798.1	798.6
145°	819.1	819.7	819.9	820.2	820.5	820.8	821.1	821.4	821.8	822.1	822.4
147.5°	841.6	842.0	842.2	842.5	842.8	843.1	843.4	843.7	844.1	844.4	844.7
150°	862.0	862.2	862.4	862.7	863.0	863.3	863.6	863.9	864.2	864.5	864.8
152.5°	880.0	880.1	880.2	880.4	880.5	880.7	880.9	881.5	882.1	882.8	883.4
155°	896.2	896.0	896.1	896.2	896.4	896.5	896.7	897.5	898.3	899.1	899.9
157.5°	911.8	911.8	911.7	911.6	911.4	911.3	911.1	912.1	913.0	914.0	914.9
160°	924.1	924.0	923.9	923.8	923.6	923.5	923.3	924.3	925.2	926.2	927.1
162.5°	935.0	934.8	934.7	934.6	934.4	934.3	934.1	935.2	936.4	937.5	938.6
165°	944.4	944.2	944.1	944.0	943.8	943.7	943.5	944.8	946.0	947.3	948.6
167.5°	951.7	951.4	951.4	951.4	951.4	951.4	951.4	952.7	954.0	955.3	956.6
170°	958.2	957.9	957.9	957.9	957.9	957.9	957.9	959.2	960.4	961.7	963.0
172.5°	961.9	961.5	961.6	961.7	961.9	962.0	962.2	963.5	964.7	966.0	967.3
175°	965.5	965.1	965.2	965.3	965.5	965.6	965.8	966.9	968.0	969.1	970.2
177.5°	966.9	966.5	966.6	966.7	966.9	967.0	967.2	968.5	969.8	971.1	972.4
180°	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7

TEST NUMBER: P1031258

CATALOG NUMBER: S123RDIW-B775D755UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3
2.5°	1117.5	1118.5	1115.5	1109.4	1108.4	1110.4	1116.5	1114.5	1109.4	1118.5	1110.4
5°	1055.8	1050.7	1048.7	1050.7	1044.6	1041.6	1047.7	1044.6	1047.7	1048.7	1051.7
7.5°	996.0	997.1	991.0	992.0	983.9	985.9	985.9	985.9	989.0	991.0	995.0
10°	944.4	946.4	939.4	940.4	934.3	930.3	933.3	939.4	939.4	939.4	941.4
12.5°	902.9	893.8	888.8	887.7	880.7	878.6	884.7	886.7	891.8	891.8	894.8
15°	851.3	849.3	845.2	845.2	828.0	832.1	834.1	841.2	851.3	843.2	845.2
17.5°	804.7	799.7	794.6	792.6	790.6	784.5	792.6	791.6	797.6	798.7	801.7
20°	763.2	759.2	749.1	750.1	752.1	743.0	748.0	748.0	754.1	760.2	767.3
22.5°	722.7	718.7	713.6	715.7	709.6	707.6	707.6	712.6	719.7	724.8	723.8
25°	691.4	684.3	681.2	678.2	675.2	677.2	674.2	679.2	684.3	687.3	684.3
27.5°	655.9	652.9	646.8	643.8	638.7	640.8	642.8	646.8	649.9	649.9	652.9
30°	621.5	617.5	615.4	612.4	612.4	608.4	609.4	613.4	616.5	619.5	623.5
32.5°	588.1	585.1	582.0	582.0	580.0	579.0	578.0	584.1	584.1	590.1	590.1
35°	560.8	555.7	555.7	550.7	552.7	551.7	549.6	553.7	554.7	558.8	557.7
37.5°	530.4	530.4	528.4	523.3	519.3	520.3	525.4	525.4	528.4	527.4	530.4
40°	500.0	498.0	498.0	495.0	494.0	493.0	494.0	495.0	500.0	499.0	500.0
42.5°	469.7	470.7	465.6	465.6	465.6	462.6	463.6	464.6	466.6	468.7	471.7
45°	440.3	438.3	437.3	435.3	433.2	434.3	433.2	437.3	436.3	438.3	441.3
47.5°	408.9	405.9	404.9	400.8	400.8	402.9	401.9	404.9	405.9	408.9	406.9
50°	378.6	374.5	371.5	372.5	366.4	368.5	368.5	371.5	374.5	375.5	377.6
52.5°	343.2	342.1	341.1	336.1	335.1	334.0	335.1	336.1	340.1	343.2	344.2
55°	308.7	307.7	301.6	299.6	296.6	296.6	298.6	299.6	306.7	307.7	311.8
57.5°	277.4	274.3	267.2	266.2	266.2	266.2	263.2	267.2	269.3	274.3	274.3
60°	242.9	242.9	236.9	236.9	237.9	236.9	236.9	237.9	237.9	241.9	244.0
62.5°	215.6	214.6	214.6	212.6	211.6	212.6	211.6	211.6	212.6	215.6	218.6
65°	191.3	190.3	189.3	188.3	186.3	186.3	187.3	189.3	189.3	191.3	192.3
67.5°	168.0	168.0	166.0	166.0	165.0	164.0	165.0	164.0	168.0	168.0	169.0
70°	144.8	143.7	140.7	139.7	136.7	137.7	137.7	140.7	141.7	143.7	145.8
72.5°	116.4	116.4	114.4	112.4	113.4	111.3	111.3	112.4	112.4	115.4	116.4
75°	96.2	94.1	93.1	94.1	93.1	95.2	93.1	93.1	95.2	95.2	95.2
77.5°	79.0	79.0	77.9	77.9	79.0	77.9	79.0	79.0	79.0	77.9	79.0
80°	64.8	63.8	63.8	63.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
82.5°	48.6	48.6	47.6	48.6	48.6	47.6	48.6	47.6	47.6	48.6	48.6
85°	32.4	34.4	32.4	32.4	33.4	33.4	34.4	33.4	34.4	32.4	33.4
87.5°	17.2	18.2	18.2	17.2	17.2	18.2	18.2	18.2	19.2	17.2	18.2
90°	20.2	20.4	20.7	21.0	21.3	21.6	21.3	21.0	20.7	20.4	20.2
92.5°	23.7	23.8	24.0	24.1	24.3	24.5	24.3	24.1	24.0	23.8	23.7
95°	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
97.5°	28.8	28.9	29.0	29.2	29.3	29.5	29.3	29.2	29.0	28.9	28.8
100°	29.5	29.6	29.7	29.9	30.0	30.2	30.0	29.9	29.7	29.6	29.5
102.5°	29.5	29.7	30.0	30.3	30.6	30.9	30.6	30.3	30.0	29.7	29.5
105°	30.2	30.4	30.7	31.0	31.4	31.7	31.4	31.0	30.7	30.4	30.2
107.5°	169.1	158.6	137.7	116.7	95.8	74.8	95.8	116.7	137.7	158.6	169.1
110°	300.8	289.4	266.5	243.6	220.8	197.9	220.8	243.6	266.5	289.4	300.8

TEST NUMBER: P1031258

CATALOG NUMBER: S123RDIW-B775D755UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	376.4	376.2	375.9	375.6	375.2	374.9	375.2	375.6	375.9	376.2	376.4
115°	420.3	420.6	421.3	421.9	422.6	423.2	422.6	421.9	421.3	420.6	420.3
117.5°	461.3	461.4	461.5	461.7	461.8	462.0	461.8	461.7	461.5	461.4	461.3
120°	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3
122.5°	541.2	541.3	541.4	541.6	541.7	541.9	541.7	541.6	541.4	541.3	541.2
125°	577.2	577.4	577.7	578.0	578.3	578.6	578.3	578.0	577.7	577.4	577.2
127.5°	616.0	615.8	615.5	615.2	614.9	614.6	614.9	615.2	615.5	615.8	616.0
130°	650.6	650.4	650.1	649.8	649.4	649.1	649.4	649.8	650.1	650.4	650.6
132.5°	683.0	682.8	682.3	681.8	681.3	680.8	681.3	681.8	682.3	682.8	683.0
135°	715.3	715.1	714.6	714.1	713.7	713.2	713.7	714.1	714.6	715.1	715.3
137.5°	745.6	745.4	745.1	744.8	744.4	744.1	744.4	744.8	745.1	745.4	745.6
140°	772.9	772.7	772.4	772.1	771.8	771.5	771.8	772.1	772.4	772.7	772.9
142.5°	798.8	798.6	798.1	797.6	797.2	796.7	797.2	797.6	798.1	798.6	798.8
145°	822.6	822.6	822.6	822.6	822.6	822.6	822.6	822.6	822.6	822.6	822.6
147.5°	844.9	844.5	843.7	842.9	842.1	841.3	842.1	842.9	843.7	844.5	844.9
150°	865.0	864.8	864.3	863.8	863.4	862.9	863.4	863.8	864.3	864.8	865.0
152.5°	883.7	883.3	882.5	881.7	880.9	880.1	880.9	881.7	882.5	883.3	883.7
155°	900.3	899.8	898.9	897.9	897.0	896.0	897.0	897.9	898.9	899.8	900.3
157.5°	915.4	914.8	913.5	912.2	911.0	909.7	911.0	912.2	913.5	914.8	915.4
160°	927.6	927.0	925.9	924.8	923.7	922.6	923.7	924.8	925.9	927.0	927.6
162.5°	939.2	938.7	937.7	936.8	935.8	934.8	935.8	936.8	937.7	938.7	939.2
165°	949.2	948.6	947.5	946.4	945.3	944.2	945.3	946.4	947.5	948.6	949.2
167.5°	957.2	956.6	955.3	954.0	952.7	951.4	952.7	954.0	955.3	956.6	957.2
170°	963.6	963.0	961.7	960.4	959.2	957.9	959.2	960.4	961.7	963.0	963.6
172.5°	967.9	967.2	965.8	964.3	962.9	961.5	962.9	964.3	965.8	967.2	967.9
175°	970.8	970.2	968.9	967.6	966.4	965.1	966.4	967.6	968.9	970.2	970.8
177.5°	973.0	972.2	970.6	969.0	967.4	965.8	967.4	969.0	970.6	972.2	973.0
180°	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7

TEST NUMBER: P1031258

CATALOG NUMBER: S123RDIW-B775D755UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3	1182.3
2.5°	1118.5	1122.6	1118.5	1110.4	1118.5	1123.6	1128.7	1136.8	1140.8	1140.8	1146.9
5°	1054.8	1062.9	1059.8	1057.8	1065.9	1071.0	1079.1	1089.2	1100.3	1107.4	1115.5
7.5°	998.1	1003.1	1008.2	1008.2	1016.3	1027.4	1039.6	1051.7	1065.9	1076.0	1082.1
10°	948.5	952.5	955.6	959.6	971.8	983.9	1000.1	1015.3	1027.4	1038.6	1048.7
12.5°	900.9	907.0	914.1	917.1	926.2	941.4	956.6	974.8	994.0	1005.2	1015.3
15°	855.3	858.4	866.5	875.6	883.7	899.9	919.1	938.4	954.5	971.8	980.9
17.5°	808.8	809.8	831.1	826.0	852.3	867.5	877.6	895.8	922.2	936.3	950.5
20°	763.2	773.4	782.5	787.5	801.7	818.9	848.3	862.4	883.7	896.8	909.0
22.5°	727.8	743.0	743.0	755.1	762.2	778.4	799.7	827.0	850.3	859.4	876.6
25°	696.4	703.5	715.7	719.7	732.9	747.0	761.2	790.6	815.9	828.0	840.2
27.5°	655.9	665.0	681.2	681.2	698.4	713.6	730.8	750.1	775.4	792.6	805.7
30°	624.6	633.7	640.8	651.9	659.0	673.1	703.5	717.7	740.0	755.1	771.3
32.5°	595.2	602.3	608.4	620.5	628.6	644.8	661.0	686.3	705.5	719.7	736.9
35°	562.8	569.9	578.0	587.1	599.2	614.4	629.6	650.9	670.1	683.3	697.4
37.5°	532.4	537.5	549.6	555.7	565.8	580.0	599.2	621.5	638.7	648.8	663.0
40°	503.1	507.1	516.2	527.4	534.5	545.6	565.8	585.1	606.3	618.5	629.6
42.5°	471.7	476.8	484.9	496.0	507.1	519.3	530.4	552.7	571.9	582.0	594.2
45°	444.4	447.4	453.5	464.6	475.8	484.9	502.1	522.3	540.5	548.6	561.8
47.5°	412.0	415.0	424.1	429.2	441.3	453.5	470.7	490.9	507.1	515.2	527.4
50°	378.6	381.6	387.7	398.8	406.9	420.1	435.3	452.5	472.7	483.9	490.9
52.5°	346.2	352.3	357.3	366.4	376.6	389.7	403.9	420.1	437.3	448.4	456.5
55°	313.8	318.9	324.9	330.0	342.1	354.3	370.5	385.7	400.8	411.0	420.1
57.5°	277.4	284.4	290.5	300.6	309.7	319.9	338.1	350.2	368.5	375.5	383.6
60°	246.0	253.1	258.1	266.2	274.3	287.5	299.6	314.8	330.0	339.1	349.2
62.5°	219.7	222.7	225.7	233.8	241.9	254.1	266.2	281.4	297.6	302.7	310.8
65°	193.3	196.4	201.4	208.5	214.6	221.7	234.8	247.0	262.2	270.3	273.3
67.5°	171.1	174.1	175.1	180.2	185.2	193.3	200.4	212.6	226.7	231.8	237.9
70°	145.8	150.8	151.8	155.9	157.9	163.0	171.1	180.2	191.3	200.4	205.5
72.5°	116.4	123.5	125.5	131.6	134.6	139.7	145.8	152.8	159.9	164.0	168.0
75°	95.2	97.2	98.2	103.2	108.3	115.4	118.4	122.5	128.6	133.6	137.7
77.5°	79.0	80.0	81.0	81.0	82.0	86.0	92.1	97.2	101.2	103.2	106.3
80°	63.8	62.8	62.8	63.8	63.8	63.8	65.8	72.9	74.9	80.0	79.0
82.5°	49.6	47.6	48.6	47.6	47.6	47.6	47.6	48.6	48.6	51.6	53.6
85°	32.4	33.4	32.4	32.4	31.4	32.4	31.4	31.4	30.4	30.4	29.4
87.5°	17.2	18.2	17.2	17.2	16.2	17.2	16.2	16.2	15.2	15.2	13.2
90°	19.9	19.2	18.6	17.9	17.3	15.2	13.1	11.0	8.9	7.9	7.1
92.5°	23.1	22.0	20.9	19.8	18.7	17.3	15.8	14.4	12.9	12.2	12.7
95°	26.7	25.6	24.5	23.4	22.3	20.5	18.8	17.0	15.3	14.4	17.7
97.5°	28.2	26.9	25.6	24.3	23.0	31.2	39.3	47.5	55.6	59.7	61.9
100°	28.9	27.6	26.3	25.0	23.7	48.7	73.6	98.6	123.5	136.0	134.4
102.5°	32.1	37.4	42.7	48.0	53.3	81.1	108.9	136.8	164.6	178.5	177.5
105°	44.4	72.7	101.0	129.3	157.6	172.0	186.4	200.8	215.2	222.4	221.5
107.5°	181.4	206.0	230.7	255.3	279.9	277.5	275.1	272.8	270.4	269.2	268.5
110°	303.4	308.7	314.0	319.3	324.6	322.8	321.1	319.3	317.6	316.7	316.1

TEST NUMBER: P1031258

CATALOG NUMBER: S123RDIW-B775D755UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	375.7	374.2	372.8	371.3	369.9	368.1	366.4	364.6	362.9	362.0	361.4
115°	419.5	417.9	416.3	414.7	413.1	411.7	410.2	408.8	407.3	406.6	406.1
117.5°	460.7	459.4	458.1	456.8	455.5	454.7	453.9	453.1	452.3	451.9	451.3
120°	501.7	500.4	499.1	497.9	496.6	496.1	495.6	495.1	494.6	494.4	493.7
122.5°	540.8	540.0	539.2	538.4	537.6	537.0	536.3	535.7	535.0	534.7	534.1
125°	577.0	576.7	576.4	576.0	575.7	575.1	574.5	573.8	573.2	572.9	572.3
127.5°	615.8	615.3	614.8	614.4	613.9	613.1	612.3	611.5	610.7	610.3	609.7
130°	650.3	649.6	649.0	648.3	647.7	647.1	646.4	645.8	645.1	644.8	644.2
132.5°	682.7	682.0	681.4	680.7	680.1	679.6	679.1	678.6	678.1	677.9	677.3
135°	715.1	714.6	714.1	713.7	713.2	712.6	711.9	711.3	710.6	710.3	709.8
137.5°	745.2	744.4	743.6	742.8	742.0	741.7	741.3	741.0	740.7	740.5	739.9
140°	772.6	771.9	771.3	770.6	770.0	769.5	769.1	768.6	768.1	767.9	767.4
142.5°	798.6	798.1	797.6	797.2	796.7	796.2	795.7	795.2	794.7	794.5	794.0
145°	822.4	822.1	821.8	821.4	821.1	820.8	820.5	820.2	819.9	819.7	819.1
147.5°	844.7	844.4	844.1	843.7	843.4	843.1	842.8	842.5	842.2	842.0	841.6
150°	864.8	864.5	864.2	863.9	863.6	863.3	863.0	862.7	862.4	862.2	862.0
152.5°	883.4	882.8	882.1	881.5	880.9	880.7	880.5	880.4	880.2	880.1	880.0
155°	899.9	899.1	898.3	897.5	896.7	896.5	896.4	896.2	896.1	896.0	896.2
157.5°	914.9	914.0	913.0	912.1	911.1	911.3	911.4	911.6	911.7	911.8	911.8
160°	927.1	926.2	925.2	924.3	923.3	923.5	923.6	923.8	923.9	924.0	924.1
162.5°	938.6	937.5	936.4	935.2	934.1	934.3	934.4	934.6	934.7	934.8	935.0
165°	948.6	947.3	946.0	944.8	943.5	943.7	943.8	944.0	944.1	944.2	944.4
167.5°	956.6	955.3	954.0	952.7	951.4	951.4	951.4	951.4	951.4	951.4	951.7
170°	963.0	961.7	960.4	959.2	957.9	957.9	957.9	957.9	957.9	957.9	958.2
172.5°	967.3	966.0	964.7	963.5	962.2	962.0	961.9	961.7	961.6	961.5	961.9
175°	970.2	969.1	968.0	966.9	965.8	965.6	965.5	965.3	965.2	965.1	965.5
177.5°	972.4	971.1	969.8	968.5	967.2	967.0	966.9	966.7	966.6	966.5	966.9
180°	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7

TEST NUMBER: P1031258

CATALOG NUMBER: S123RDIW-B775D755UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1182.3	1182.3	1182.3	1182.3
2.5°	1151.9	1159.0	1173.2	1185.3
5°	1127.6	1138.8	1160.0	1181.3
7.5°	1098.3	1115.5	1142.8	1172.2
10°	1069.9	1092.2	1125.6	1160.0
12.5°	1041.6	1064.9	1100.3	1144.8
15°	1008.2	1032.5	1075.0	1128.7
17.5°	978.8	1011.2	1049.7	1103.3
20°	947.5	971.8	1021.4	1078.0
22.5°	908.0	948.5	995.0	1054.8
25°	876.6	912.0	958.6	1026.4
27.5°	838.1	879.6	936.3	996.0
30°	806.8	841.2	893.8	965.7
32.5°	770.3	810.8	865.5	936.3
35°	737.9	772.3	824.0	895.8
37.5°	699.5	736.9	794.6	858.4
40°	666.1	702.5	757.2	816.9
42.5°	625.6	664.0	718.7	769.3
45°	593.2	628.6	672.1	718.7
47.5°	553.7	591.2	633.7	666.1
50°	518.3	552.7	586.1	613.4
52.5°	479.8	511.2	541.6	561.8
55°	444.4	468.7	493.0	507.1
57.5°	402.9	426.2	446.4	454.5
60°	366.4	385.7	398.8	407.9
62.5°	328.0	342.1	352.3	357.3
65°	290.5	300.6	305.7	310.8
67.5°	252.0	261.2	264.2	270.3
70°	211.6	221.7	223.7	226.7
72.5°	181.2	181.2	185.2	189.3
75°	144.8	146.8	148.8	148.8
77.5°	113.4	113.4	115.4	116.4
80°	83.0	84.0	84.0	83.0
82.5°	56.7	58.7	56.7	55.7
85°	31.4	35.4	33.4	33.4
87.5°	13.2	13.2	15.2	13.2
90°	5.5	3.9	2.3	0.7
92.5°	13.7	14.6	15.6	16.6
95°	24.2	30.8	37.3	43.9
97.5°	66.4	70.9	75.4	79.9
100°	131.2	128.0	124.8	121.6
102.5°	175.4	173.3	171.2	169.1
105°	219.8	218.0	216.3	214.5
107.5°	267.0	265.6	264.1	262.7
110°	314.8	313.5	312.2	310.9

TEST NUMBER: P1031258

CATALOG NUMBER: S123RDIW-B775D755UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	360.3	359.2	358.1	357.0
115°	405.2	404.2	403.3	402.3
117.5°	450.2	449.1	448.0	446.9
120°	492.2	490.8	489.3	487.9
122.5°	533.0	531.9	530.8	529.7
125°	571.0	569.7	568.4	567.1
127.5°	608.4	607.1	605.8	604.5
130°	642.9	641.6	640.4	639.1
132.5°	676.0	674.7	673.5	672.2
135°	708.9	707.9	707.0	706.0
137.5°	738.6	737.3	736.1	734.8
140°	766.5	765.5	764.6	763.6
142.5°	793.1	792.1	791.2	790.2
145°	818.0	816.9	815.8	814.7
147.5°	840.8	840.0	839.2	838.4
150°	861.5	861.0	860.5	860.0
152.5°	879.9	879.7	879.6	879.4
155°	896.5	896.8	897.1	897.4
157.5°	911.8	911.8	911.8	911.8
160°	924.3	924.4	924.6	924.8
162.5°	935.5	936.0	936.5	937.0
165°	944.9	945.4	945.9	946.4
167.5°	952.4	953.0	953.7	954.3
170°	958.9	959.5	960.2	960.8
172.5°	962.7	963.5	964.3	965.1
175°	966.3	967.1	967.9	968.7
177.5°	967.7	968.5	969.3	970.1
180°	968.7	968.7	968.7	968.7

(END OF REPORT)