

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: P1032841

Luminaire Tested: S124RDIW-B1020D1050UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1032841
REPORT IS A COMBINATION OF REPORTS P999828 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124RDIW-B1020D1050UB2750-4F0-XX-W2A-A_3000K
Description: Define 4 Regressed Direct/Indirect Wall Mount with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

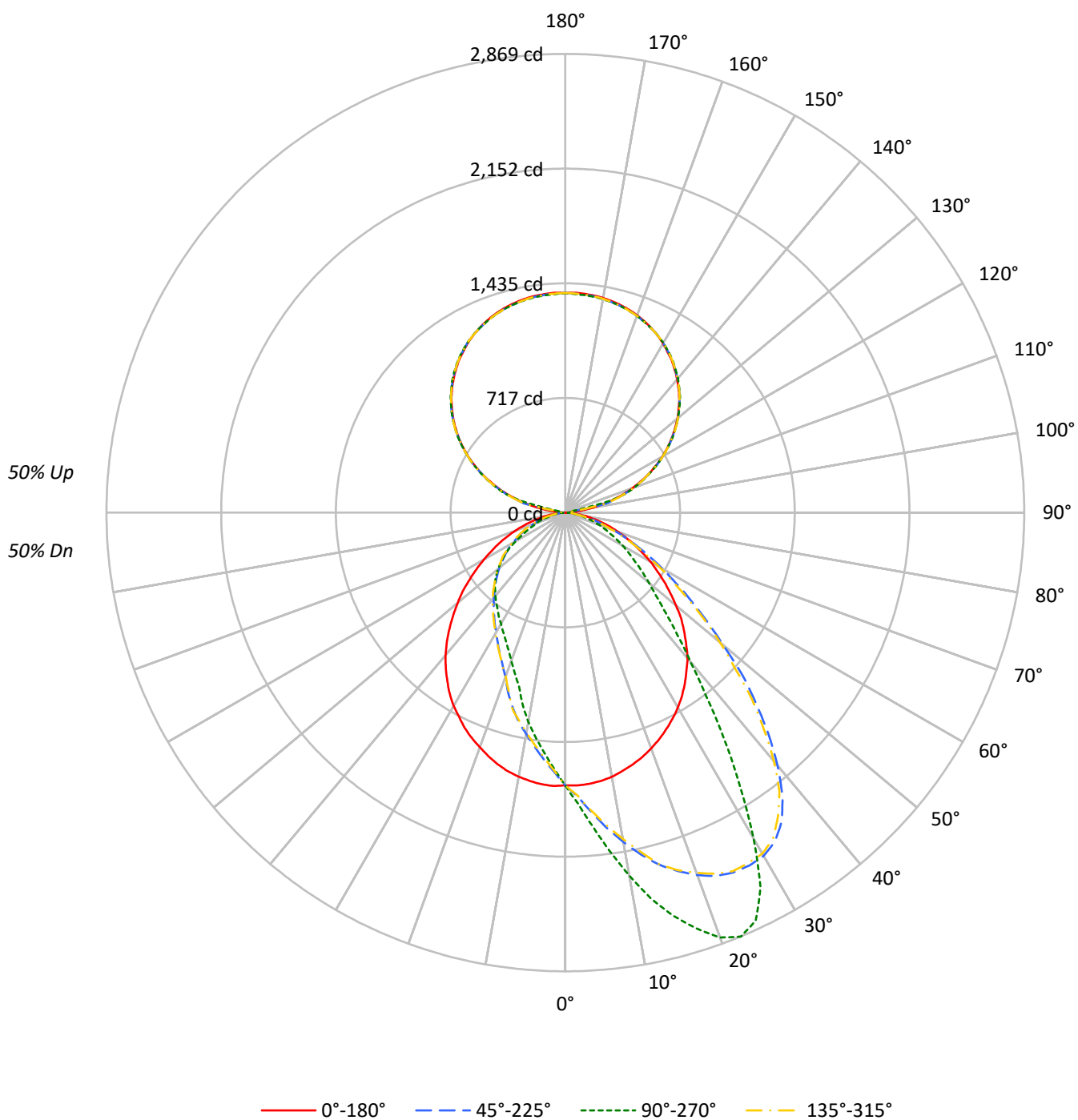
Lumens per Lamp: N/A
Luminaire Lumens: 8565.0 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 78.3
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: P1032841

CATALOG NUMBER: S124RDIW-B1020D1050UB2750-4F0-XX-W2A-A_3000K

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	84	84	84	69	69	69	56	56	56	50		
1	98	94	90	87	91	87	84	81	74	72	70	62	60	59	51	50	49	43		
2	90	83	77	72	83	77	72	67	65	62	58	55	52	50	45	43	42	37		
3	82	73	66	60	76	68	62	57	58	53	50	49	45	43	40	38	36	32		
4	75	65	57	51	70	60	54	48	52	47	43	44	40	37	36	34	31	28		
5	69	58	50	44	64	54	47	42	47	41	37	39	35	32	33	30	28	24		
6	64	52	44	39	59	49	42	37	42	37	32	36	32	28	30	27	24	22		
7	59	47	39	34	55	44	37	32	38	33	29	33	28	25	27	24	22	19		
8	55	43	35	30	51	40	33	29	35	29	26	30	26	23	25	22	20	17		
9	51	39	32	27	47	37	30	26	32	27	23	28	23	20	23	20	18	16		
10	48	36	29	24	44	34	27	23	30	24	21	26	21	18	22	18	16	14		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13907	13907	13907	13907
5°	13906	15714	13929	12010
10°	13833	18114	13821	10445
15°	13667	20387	13667	8745
20°	13495	22104	13425	7701
25°	13286	22198	13224	6955
30°	13062	18876	12960	6442
35°	12745	14242	12584	6060
40°	12394	10322	12150	5762
45°	11812	7845	11519	5497
50°	11122	6340	10817	5110
55°	10375	5250	10036	4595
60°	9623	4439	9195	3821
65°	8682	3616	8406	3037
70°	7817	2933	7449	2467
75°	6850	2113	6374	1808
80°	5651	1401	5145	1330
85°	4097	721	3398	721

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 17409 cd/sqm

TEST NUMBER: P1032841

CATALOG NUMBER: S124RDIW-B1020D1050UB2750-4F0-XX-W2A-A_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.1	1.9
10°-20°	498.7	5.8
20°-30°	781.1	9.1
30°-40°	867.4	10.1
40°-50°	768.7	9.0
50°-60°	599.0	7.0
60°-70°	391.8	4.6
70°-80°	192.3	2.2
80°-90°	49.7	0.6
90°-100°	45.6	0.5
100°-110°	300.3	3.5
110°-120°	573.5	6.7
120°-130°	728.0	8.5
130°-140°	778.8	9.1
140°-150°	728.3	8.5
150°-160°	587.3	6.9
160°-170°	378.8	4.4
170°-180°	130.5	1.5
0°-30°	1445.0	16.9
0°-40°	2312.4	27.0
0°-60°	3680.1	43.0
0°-90°	4313.8	50.4
90°-120°	919.4	10.7
90°-150°	3154.6	36.8
90°-180°	4251.0	49.6
0°-180°	8565.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1705	1705	1705	1705	1705	
5°	1703	1971	1705	1506	1703	162
15°	1630	2611	1630	1120	1630	460
25°	1494	2816	1487	882	1494	688
35°	1303	1734	1286	738	1303	814
45°	1050	886	1024	621	1050	810
55°	756	529	731	463	756	676
65°	474	309	459	260	474	473
75°	238	143	221	122	238	252
85°	56	34	47	34	56	64
90°	3	31	3	31	3	7
95°	56	30	56	30	56	70
105°	309	293	309	293	309	324
115°	578	582	578	582	578	568
125°	812	818	812	818	812	725
135°	1007	1014	1007	1014	1007	776
145°	1161	1167	1161	1167	1161	726
155°	1273	1272	1273	1272	1273	587
165°	1343	1337	1343	1337	1343	380
175°	1374	1366	1374	1366	1374	131
180°	1374	1374	1374	1374	1374	

TEST NUMBER: P1032841

CATALOG NUMBER: S124RDIW-B1020D1050UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4
2.5°	1708.1	1723.2	1731.5	1738.4	1752.1	1757.6	1768.6	1771.3	1782.3	1781.0	1776.8
5°	1702.6	1728.7	1748.0	1768.6	1793.3	1807.1	1822.2	1844.2	1855.2	1870.3	1879.9
7.5°	1693.0	1728.7	1760.3	1792.0	1831.8	1853.8	1873.0	1907.4	1936.2	1961.0	1988.5
10°	1677.9	1723.2	1770.0	1812.6	1867.5	1893.6	1922.5	1973.3	2013.2	2047.6	2091.5
12.5°	1654.5	1717.7	1770.0	1827.7	1897.8	1933.5	1972.0	2032.4	2079.2	2135.5	2190.5
15°	1629.8	1699.9	1768.6	1844.2	1923.9	1965.1	2003.6	2084.7	2156.1	2220.7	2281.2
17.5°	1602.3	1679.3	1754.9	1838.7	1934.9	1985.7	2031.1	2128.6	2207.0	2290.8	2351.3
20°	1569.3	1653.2	1739.7	1833.2	1941.7	1998.1	2048.9	2160.2	2246.8	2337.5	2413.1
22.5°	1533.6	1624.3	1719.1	1820.8	1933.5	1995.3	2054.4	2174.0	2274.3	2358.1	2459.8
25°	1493.8	1589.9	1687.5	1794.7	1921.1	1988.5	2048.9	2167.1	2274.3	2384.2	2483.2
27.5°	1452.5	1551.5	1653.2	1765.8	1895.0	1961.0	2029.7	2143.7	2268.8	2388.4	2488.7
30°	1407.2	1503.4	1610.6	1717.7	1855.2	1921.1	1991.2	2114.9	2250.9	2370.5	2479.1
32.5°	1357.7	1456.6	1558.3	1669.7	1804.3	1875.8	1940.4	2080.5	2219.3	2337.5	2439.2
35°	1302.7	1396.2	1492.4	1606.4	1739.7	1804.3	1881.3	2026.9	2167.1	2292.2	2358.1
37.5°	1243.6	1333.0	1422.3	1535.0	1662.8	1741.1	1816.7	1963.7	2112.1	2196.0	2230.3
40°	1188.7	1267.0	1345.3	1453.9	1583.1	1664.2	1741.1	1893.6	2024.2	2088.8	2062.7
42.5°	1118.6	1199.7	1269.8	1370.1	1500.6	1576.2	1654.5	1812.6	1918.4	1944.5	1879.9
45°	1049.9	1117.2	1184.6	1282.1	1419.5	1484.1	1568.0	1715.0	1802.9	1779.6	1684.8
47.5°	982.6	1037.5	1100.7	1195.6	1319.2	1396.2	1474.5	1602.3	1664.2	1631.2	1499.3
50°	902.8	957.8	1023.8	1106.2	1225.8	1300.0	1361.8	1480.0	1526.7	1445.7	1286.2
52.5°	827.3	875.4	931.7	1008.7	1122.7	1190.1	1257.4	1359.1	1374.2	1280.8	1113.1
55°	755.8	794.3	853.4	915.2	1019.7	1091.1	1137.8	1224.4	1220.3	1103.5	959.2
57.5°	681.6	717.3	757.2	821.8	920.7	974.3	1025.2	1100.7	1060.9	961.9	819.0
60°	615.6	636.3	676.1	737.9	821.8	868.5	908.3	949.6	915.2	808.0	698.1
62.5°	542.8	566.2	595.0	644.5	718.7	762.7	791.5	809.4	773.7	691.2	590.9
65°	474.1	494.7	524.9	568.9	625.3	658.2	673.4	685.7	666.5	573.0	493.3
67.5°	412.3	426.0	453.5	482.3	542.8	551.1	571.7	577.2	538.7	467.2	404.0
70°	350.4	364.2	376.5	410.9	438.4	453.5	457.6	457.6	419.1	372.4	320.2
72.5°	292.7	300.9	313.3	336.7	351.8	362.8	368.3	361.4	325.7	287.2	248.7
75°	237.7	241.9	252.9	268.0	280.3	276.2	274.8	266.6	240.5	213.0	191.0
77.5°	182.8	185.5	197.9	202.0	202.0	206.1	200.6	192.4	170.4	149.8	140.2
80°	137.4	141.5	142.9	145.7	142.9	142.9	138.8	125.1	114.1	104.4	97.6
82.5°	94.8	97.6	98.9	94.8	97.6	93.4	86.6	77.0	70.1	68.7	66.0
85°	56.3	57.7	56.3	56.3	52.2	50.8	45.3	44.0	41.2	41.2	39.9
87.5°	27.5	26.1	23.4	20.6	20.6	19.2	20.6	17.9	20.6	19.2	17.9
90°	3.1	5.6	8.1	10.6	13.1	14.4	15.3	17.1	19.0	20.8	22.6
92.5°	15.4	15.0	14.5	14.1	13.6	13.4	14.3	16.1	18.0	19.8	21.6
95°	56.5	48.7	41.0	33.2	25.5	21.6	21.7	21.9	22.2	22.4	22.6
97.5°	107.9	112.9	117.9	123.0	128.0	130.5	118.5	94.5	70.6	46.6	22.6
100°	168.5	172.6	176.7	180.8	184.9	187.0	171.2	139.7	108.2	76.7	45.2
102.5°	236.3	239.1	241.8	244.6	247.3	248.7	250.1	252.8	255.5	258.3	261.0
105°	309.3	310.7	312.1	313.4	314.8	315.5	316.1	317.2	318.3	319.5	320.6
107.5°	376.1	376.8	377.5	378.2	378.9	379.2	380.0	381.6	383.2	384.8	386.4
110°	443.9	444.6	445.3	446.0	446.7	447.0	447.7	449.1	450.4	451.8	453.2

TEST NUMBER: P1032841

CATALOG NUMBER: S124RDIW-B1020D1050UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	509.7	511.1	512.4	513.8	515.1	515.8	516.0	516.5	517.0	517.4	517.9
115°	577.5	578.2	578.9	579.6	580.3	580.6	580.5	580.2	580.0	579.7	579.5
117.5°	638.1	639.0	639.9	640.8	641.7	642.2	642.5	643.2	643.9	644.6	645.3
120°	699.8	700.7	701.6	702.5	703.4	703.9	703.8	703.5	703.3	703.0	702.8
122.5°	757.3	757.8	758.2	758.7	759.2	759.4	759.6	760.1	760.5	761.0	761.4
125°	811.8	812.7	813.6	814.5	815.4	815.9	815.7	815.2	814.7	814.3	813.8
127.5°	864.2	864.4	864.6	864.9	865.1	865.2	865.8	866.9	868.0	869.2	870.3
130°	914.5	914.7	915.0	915.2	915.5	915.6	915.9	916.6	917.3	917.9	918.6
132.5°	960.8	961.2	961.7	962.1	962.6	962.8	963.3	964.2	965.1	966.0	966.9
135°	1007.0	1006.8	1006.6	1006.3	1006.1	1006.0	1006.5	1007.4	1008.3	1009.2	1010.1
137.5°	1048.1	1048.1	1048.1	1048.1	1048.1	1048.1	1048.7	1049.8	1050.9	1052.1	1053.2
140°	1088.2	1088.6	1089.1	1089.5	1090.0	1090.2	1090.4	1090.9	1091.4	1091.8	1092.3
142.5°	1124.1	1125.0	1126.0	1126.9	1127.8	1128.3	1128.4	1128.6	1128.9	1129.1	1129.3
145°	1161.1	1161.8	1162.5	1163.2	1163.9	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
147.5°	1189.9	1191.3	1192.7	1194.0	1195.4	1196.1	1196.0	1195.8	1195.5	1195.3	1195.1
150°	1221.8	1222.7	1223.6	1224.5	1225.4	1225.9	1225.8	1225.5	1225.3	1225.0	1224.8
152.5°	1248.5	1249.2	1249.9	1250.6	1251.3	1251.6	1251.4	1250.9	1250.4	1250.0	1249.5
155°	1273.1	1273.3	1273.6	1273.8	1274.1	1274.2	1273.9	1273.2	1272.5	1271.8	1271.1
157.5°	1294.7	1294.7	1294.7	1294.7	1294.7	1294.7	1294.2	1293.3	1292.4	1291.5	1290.6
160°	1313.2	1312.5	1311.8	1311.1	1310.4	1310.1	1310.0	1309.8	1309.5	1309.3	1309.1
162.5°	1329.7	1328.8	1327.9	1327.0	1326.1	1325.6	1325.5	1325.2	1325.0	1324.7	1324.5
165°	1343.0	1341.9	1340.7	1339.6	1338.5	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9
167.5°	1354.3	1353.2	1352.0	1350.9	1349.8	1349.2	1349.1	1348.9	1348.6	1348.4	1348.2
170°	1363.6	1362.2	1360.8	1359.5	1358.1	1357.4	1357.5	1357.7	1358.0	1358.2	1358.4
172.5°	1369.7	1368.3	1367.0	1365.6	1364.3	1363.6	1363.7	1363.9	1364.2	1364.4	1364.6
175°	1373.8	1372.4	1371.1	1369.7	1368.4	1367.7	1367.8	1368.0	1368.3	1368.5	1368.7
177.5°	1376.9	1375.3	1373.7	1372.1	1370.5	1369.7	1369.9	1370.4	1370.9	1371.3	1371.8
180°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8



TEST NUMBER: P1032841

CATALOG NUMBER: S124RDIW-B1020D1050UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4
2.5°	1787.8	1802.9	1804.3	1818.1	1813.9	1807.1	1819.4	1811.2	1827.7	1822.2	1829.1
5°	1892.3	1912.9	1930.7	1941.7	1961.0	1956.9	1977.5	1970.6	1985.7	1970.6	1989.8
7.5°	2014.6	2048.9	2066.8	2095.7	2103.9	2105.3	2130.0	2135.5	2145.1	2135.5	2146.5
10°	2134.1	2175.4	2216.6	2239.9	2255.1	2275.7	2297.7	2307.3	2314.1	2304.5	2311.4
12.5°	2242.7	2307.3	2352.6	2399.3	2410.3	2428.2	2451.6	2448.8	2476.3	2470.8	2483.2
15°	2343.0	2414.5	2469.4	2506.5	2536.8	2551.9	2595.9	2598.6	2597.2	2611.0	2602.7
17.5°	2432.3	2492.8	2571.1	2619.2	2656.3	2656.3	2681.1	2731.9	2727.8	2726.4	2734.7
20°	2505.2	2573.9	2646.7	2727.8	2758.0	2763.5	2797.9	2824.0	2828.1	2828.1	2828.1
22.5°	2560.1	2641.2	2719.5	2777.3	2800.6	2819.9	2850.1	2866.6	2872.1	2869.3	2872.1
25°	2587.6	2664.6	2744.3	2796.5	2810.2	2821.2	2824.0	2833.6	2832.2	2815.7	2825.4
27.5°	2593.1	2667.3	2719.5	2733.3	2726.4	2719.5	2675.6	2679.7	2667.3	2642.6	2652.2
30°	2568.4	2608.2	2606.9	2564.3	2551.9	2523.0	2483.2	2424.1	2376.0	2355.4	2362.2
32.5°	2479.1	2479.1	2429.6	2333.4	2290.8	2238.6	2167.1	2113.5	2050.3	2036.6	2062.7
35°	2355.4	2285.3	2194.6	2068.2	2003.6	1965.1	1841.4	1802.9	1749.4	1734.2	1746.6
37.5°	2163.0	2046.2	1914.3	1796.1	1741.1	1672.4	1563.8	1508.9	1470.4	1444.3	1456.6
40°	1947.2	1805.7	1668.3	1522.6	1462.1	1405.8	1324.7	1275.3	1213.4	1216.2	1220.3
42.5°	1741.1	1574.8	1420.9	1286.2	1228.5	1181.8	1125.5	1065.0	1043.0	1036.1	1029.3
45°	1522.6	1345.3	1201.0	1100.7	1048.5	1004.5	952.3	918.0	891.9	886.4	893.2
47.5°	1316.5	1166.7	1029.3	935.8	893.2	871.2	830.0	798.4	781.9	768.2	776.4
50°	1129.6	989.4	879.5	801.2	770.9	755.8	717.3	700.8	684.4	680.2	678.9
52.5°	975.7	856.1	761.3	698.1	674.7	666.5	637.6	614.3	600.5	604.6	607.4
55°	835.5	733.8	659.6	608.8	589.5	579.9	559.3	542.8	533.2	529.1	531.8
57.5°	711.8	623.9	570.3	529.1	514.0	509.8	487.8	482.3	475.5	471.3	471.3
60°	599.2	537.3	487.8	464.5	448.0	443.9	427.4	420.5	419.1	415.0	412.3
62.5°	504.3	453.5	419.1	394.4	387.5	386.1	375.2	366.9	362.8	360.0	360.0
65°	421.9	384.8	355.9	338.1	332.6	329.8	317.4	314.7	311.9	309.2	307.8
67.5°	351.8	318.8	298.2	285.8	279.0	280.3	273.5	268.0	268.0	266.6	265.2
70°	284.5	263.8	246.0	239.1	236.4	233.6	230.9	226.7	225.4	225.4	225.4
72.5°	224.0	210.3	200.6	196.5	193.8	191.0	188.3	188.3	188.3	186.9	186.9
75°	171.8	166.3	159.4	155.3	155.3	158.0	153.9	149.8	145.7	142.9	144.3
77.5°	129.2	126.4	122.3	115.4	116.8	114.1	114.1	111.3	112.7	112.7	109.9
80°	94.8	90.7	89.3	85.2	86.6	85.2	83.8	83.8	81.1	81.1	81.1
82.5°	66.0	61.8	61.8	60.5	59.1	59.1	57.7	57.7	59.1	56.3	56.3
85°	39.9	38.5	38.5	35.7	35.7	35.7	35.7	37.1	35.7	34.4	34.4
87.5°	17.9	19.2	17.9	16.5	16.5	16.5	15.1	15.1	13.7	15.1	15.1
90°	24.0	25.4	26.7	28.1	28.8	29.0	29.5	29.9	30.4	30.8	30.4
92.5°	23.0	24.3	25.7	27.0	27.7	27.7	27.7	27.7	27.7	27.7	27.7
95°	24.0	25.4	26.7	28.1	28.8	28.9	29.1	29.4	29.6	29.8	29.6
97.5°	23.7	24.9	26.0	27.1	27.7	27.8	28.1	28.3	28.6	28.8	28.6
100°	41.3	37.4	33.5	29.6	27.7	27.8	28.1	28.3	28.6	28.8	28.6
102.5°	209.6	158.2	106.9	55.5	29.8	29.8	29.8	29.8	29.8	29.8	29.8
105°	322.6	324.7	326.7	328.8	329.8	325.7	317.5	309.3	301.1	292.9	301.1
107.5°	387.5	388.7	389.8	390.9	391.5	392.0	392.9	393.8	394.7	395.6	394.7
110°	453.6	454.1	454.5	455.0	455.2	455.5	456.2	456.9	457.6	458.3	457.6

TEST NUMBER: P1032841

CATALOG NUMBER: S124RDIW-B1020D1050UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	517.7	517.5	517.2	517.0	516.9	517.4	518.3	519.2	520.1	521.0	520.1
115°	580.0	580.4	580.9	581.4	581.6	581.6	581.6	581.6	581.6	581.6	581.6
117.5°	645.1	644.9	644.6	644.4	644.3	644.3	644.3	644.3	644.3	644.3	644.3
120°	703.3	703.7	704.2	704.7	704.9	704.7	704.2	703.7	703.3	702.8	703.3
122.5°	761.6	761.8	762.1	762.3	762.4	762.2	761.7	761.3	760.8	760.4	760.8
125°	814.5	815.2	815.9	816.6	816.9	817.0	817.2	817.5	817.7	817.9	817.7
127.5°	870.1	869.9	869.6	869.4	869.3	869.2	869.0	868.7	868.5	868.3	868.5
130°	918.8	919.1	919.3	919.6	919.7	919.7	919.7	919.7	919.7	919.7	919.7
132.5°	967.1	967.4	967.6	967.9	968.0	967.9	967.6	967.4	967.1	966.9	967.1
135°	1010.5	1011.0	1011.4	1011.9	1012.1	1012.3	1012.8	1013.3	1013.7	1014.2	1013.7
137.5°	1053.7	1054.1	1054.6	1055.1	1055.3	1055.2	1055.0	1054.7	1054.5	1054.3	1054.5
140°	1093.0	1093.7	1094.4	1095.1	1095.4	1095.5	1095.7	1096.0	1096.2	1096.4	1096.2
142.5°	1129.7	1130.2	1130.6	1131.1	1131.3	1131.3	1131.3	1131.3	1131.3	1131.3	1131.3
145°	1164.4	1164.7	1164.9	1165.2	1165.3	1165.5	1166.0	1166.4	1166.9	1167.3	1166.9
147.5°	1195.3	1195.5	1195.8	1196.0	1196.1	1196.2	1196.4	1196.7	1196.9	1197.1	1196.9
150°	1224.8	1224.8	1224.8	1224.8	1224.8	1224.9	1225.2	1225.4	1225.7	1225.9	1225.7
152.5°	1250.0	1250.4	1250.9	1251.4	1251.6	1251.5	1251.2	1251.0	1250.7	1250.5	1250.7
155°	1272.0	1272.9	1273.8	1274.7	1275.2	1274.9	1274.2	1273.5	1272.8	1272.1	1272.8
157.5°	1291.8	1292.9	1294.1	1295.2	1295.8	1295.2	1294.1	1292.9	1291.8	1290.6	1291.8
160°	1310.5	1311.9	1313.2	1314.6	1315.3	1314.6	1313.2	1311.9	1310.5	1309.1	1310.5
162.5°	1325.9	1327.3	1328.6	1330.0	1330.7	1329.9	1328.3	1326.7	1325.1	1323.5	1325.1
165°	1339.7	1341.5	1343.4	1345.2	1346.1	1345.1	1343.0	1341.0	1338.9	1336.9	1338.9
167.5°	1350.2	1352.3	1354.3	1356.4	1357.4	1356.3	1354.0	1351.7	1349.4	1347.1	1349.4
170°	1360.2	1362.1	1363.9	1365.8	1366.7	1365.6	1363.3	1361.0	1358.7	1356.4	1358.7
172.5°	1366.4	1368.2	1370.1	1371.9	1372.8	1371.5	1369.0	1366.5	1364.0	1361.5	1364.0
175°	1370.8	1372.8	1374.9	1377.0	1378.0	1376.6	1373.9	1371.1	1368.4	1365.6	1368.4
177.5°	1373.6	1375.4	1377.3	1379.1	1380.0	1378.6	1375.9	1373.2	1370.4	1367.7	1370.4
180°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8

TEST NUMBER: P1032841

CATALOG NUMBER: S124RDIW-B1020D1050UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4
2.5°	1833.2	1823.6	1822.2	1822.2	1807.1	1815.3	1798.8	1781.0	1772.7	1772.7	1757.6
5°	1985.7	1976.1	1966.5	1951.4	1951.4	1943.1	1917.0	1890.9	1871.7	1855.2	1837.3
7.5°	2142.4	2132.8	2105.3	2090.2	2098.4	2081.9	2047.6	2003.6	1970.6	1944.5	1907.4
10°	2312.8	2286.7	2272.9	2264.7	2235.8	2218.0	2178.1	2113.5	2072.3	2037.9	1989.8
12.5°	2451.6	2459.8	2407.6	2411.7	2382.9	2358.1	2296.3	2234.4	2172.6	2124.5	2053.1
15°	2601.4	2576.6	2545.0	2520.3	2510.7	2480.4	2428.2	2345.8	2278.4	2202.8	2121.8
17.5°	2719.5	2700.3	2670.1	2646.7	2626.1	2553.3	2509.3	2436.5	2344.4	2270.2	2171.2
20°	2819.9	2802.0	2759.4	2744.3	2707.2	2655.0	2591.7	2479.1	2396.6	2315.5	2219.3
22.5°	2862.5	2844.6	2807.5	2788.2	2764.9	2714.0	2653.6	2546.4	2444.7	2343.0	2241.3
25°	2826.7	2826.7	2808.9	2802.0	2781.4	2736.0	2674.2	2583.5	2474.9	2365.0	2244.1
27.5°	2653.6	2687.9	2700.3	2707.2	2707.2	2708.5	2665.9	2578.0	2472.2	2365.0	2238.6
30°	2403.5	2461.2	2512.0	2527.2	2553.3	2582.1	2600.0	2557.4	2462.6	2349.9	2223.5
32.5°	2088.8	2163.0	2257.8	2281.2	2316.9	2403.5	2451.6	2469.4	2417.2	2318.3	2183.6
35°	1775.5	1868.9	1926.6	1998.1	2031.1	2158.9	2266.1	2330.6	2318.3	2259.2	2136.9
37.5°	1502.0	1555.6	1625.7	1701.3	1767.2	1889.5	2022.8	2147.9	2198.7	2169.9	2077.8
40°	1239.5	1302.7	1386.6	1448.4	1493.8	1616.1	1781.0	1917.0	2028.3	2046.2	1989.8
42.5°	1054.0	1117.2	1168.1	1235.4	1271.1	1389.3	1535.0	1705.4	1837.3	1907.4	1882.7
45°	911.1	949.6	990.8	1029.3	1073.2	1177.7	1312.4	1499.3	1647.7	1746.6	1756.2
47.5°	786.0	820.4	856.1	891.9	916.6	997.7	1121.3	1273.9	1436.0	1572.1	1625.7
50°	698.1	714.6	740.7	761.3	790.2	860.2	959.2	1091.1	1262.9	1409.9	1480.0
52.5°	611.5	632.1	652.7	670.6	689.8	739.3	830.0	944.1	1092.5	1243.6	1330.2
55°	538.7	555.2	574.4	586.8	597.8	641.8	710.5	798.4	926.2	1069.1	1176.3
57.5°	479.6	486.5	503.0	509.8	522.2	557.9	607.4	685.7	788.8	927.6	1015.5
60°	415.0	428.7	441.1	446.6	456.2	481.0	515.3	588.2	677.5	779.2	879.5
62.5°	362.8	368.3	377.9	384.8	391.6	417.8	446.6	501.6	568.9	654.1	746.2
65°	314.7	317.4	322.9	332.6	336.7	355.9	372.4	412.3	475.5	540.1	632.1
67.5°	265.2	268.0	274.8	280.3	284.5	296.8	314.7	343.5	377.9	449.4	500.2
70°	226.7	226.7	230.9	233.6	237.7	243.2	252.9	274.8	306.4	351.8	398.5
72.5°	189.6	189.6	189.6	193.8	193.8	197.9	203.4	218.5	240.5	276.2	306.4
75°	147.0	148.4	151.2	151.2	152.5	158.0	162.2	166.3	177.3	200.6	228.1
77.5°	111.3	114.1	115.4	112.7	115.4	115.4	120.9	126.4	131.9	138.8	159.4
80°	82.5	83.8	81.1	82.5	82.5	85.2	87.9	86.6	89.3	97.6	103.1
82.5°	55.0	56.3	56.3	56.3	56.3	60.5	60.5	59.1	60.5	61.8	63.2
85°	34.4	33.0	33.0	34.4	33.0	33.0	34.4	35.7	34.4	35.7	37.1
87.5°	15.1	15.1	15.1	15.1	13.7	13.7	15.1	13.7	15.1	13.7	12.4
90°	29.9	29.5	29.0	28.8	28.1	26.7	25.4	24.0	22.6	20.8	19.0
92.5°	27.7	27.7	27.7	27.7	27.0	25.7	24.3	23.0	21.6	19.8	18.0
95°	29.4	29.1	28.9	28.8	28.1	26.7	25.4	24.0	22.6	22.4	22.2
97.5°	28.3	28.1	27.8	27.7	27.1	26.0	24.9	23.7	22.6	46.6	70.6
100°	28.3	28.1	27.8	27.7	29.6	33.5	37.4	41.3	45.2	76.7	108.2
102.5°	29.8	29.8	29.8	29.8	55.5	106.9	158.2	209.6	261.0	258.3	255.5
105°	309.3	317.5	325.7	329.8	328.8	326.7	324.7	322.6	320.6	319.5	318.3
107.5°	393.8	392.9	392.0	391.5	390.9	389.8	388.7	387.5	386.4	384.8	383.2
110°	456.9	456.2	455.5	455.2	455.0	454.5	454.1	453.6	453.2	451.8	450.4

TEST NUMBER: P1032841

CATALOG NUMBER: S124RDIW-B1020D1050UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	519.2	518.3	517.4	516.9	517.0	517.2	517.5	517.7	517.9	517.4	517.0
115°	581.6	581.6	581.6	581.6	581.4	580.9	580.4	580.0	579.5	579.7	580.0
117.5°	644.3	644.3	644.3	644.3	644.4	644.6	644.9	645.1	645.3	644.6	643.9
120°	703.7	704.2	704.7	704.9	704.7	704.2	703.7	703.3	702.8	703.0	703.3
122.5°	761.3	761.7	762.2	762.4	762.3	762.1	761.8	761.6	761.4	761.0	760.5
125°	817.5	817.2	817.0	816.9	816.6	815.9	815.2	814.5	813.8	814.3	814.7
127.5°	868.7	869.0	869.2	869.3	869.4	869.6	869.9	870.1	870.3	869.2	868.0
130°	919.7	919.7	919.7	919.7	919.6	919.3	919.1	918.8	918.6	917.9	917.3
132.5°	967.4	967.6	967.9	968.0	967.9	967.6	967.4	967.1	966.9	966.0	965.1
135°	1013.3	1012.8	1012.3	1012.1	1011.9	1011.4	1011.0	1010.5	1010.1	1009.2	1008.3
137.5°	1054.7	1055.0	1055.2	1055.3	1055.1	1054.6	1054.1	1053.7	1053.2	1052.1	1050.9
140°	1096.0	1095.7	1095.5	1095.4	1095.1	1094.4	1093.7	1093.0	1092.3	1091.8	1091.4
142.5°	1131.3	1131.3	1131.3	1131.3	1131.1	1130.6	1130.2	1129.7	1129.3	1129.1	1128.9
145°	1166.4	1166.0	1165.5	1165.3	1165.2	1164.9	1164.7	1164.4	1164.2	1164.2	1164.2
147.5°	1196.7	1196.4	1196.2	1196.1	1196.0	1195.8	1195.5	1195.3	1195.1	1195.3	1195.5
150°	1225.4	1225.2	1224.9	1224.8	1224.8	1224.8	1224.8	1224.8	1224.8	1225.0	1225.3
152.5°	1251.0	1251.2	1251.5	1251.6	1251.4	1250.9	1250.4	1250.0	1249.5	1250.0	1250.4
155°	1273.5	1274.2	1274.9	1275.2	1274.7	1273.8	1272.9	1272.0	1271.1	1271.8	1272.5
157.5°	1292.9	1294.1	1295.2	1295.8	1295.2	1294.1	1292.9	1291.8	1290.6	1291.5	1292.4
160°	1311.9	1313.2	1314.6	1315.3	1314.6	1313.2	1311.9	1310.5	1309.1	1309.3	1309.5
162.5°	1326.7	1328.3	1329.9	1330.7	1330.0	1328.6	1327.3	1325.9	1324.5	1324.7	1325.0
165°	1341.0	1343.0	1345.1	1346.1	1345.2	1343.4	1341.5	1339.7	1337.9	1337.9	1337.9
167.5°	1351.7	1354.0	1356.3	1357.4	1356.4	1354.3	1352.3	1350.2	1348.2	1348.4	1348.6
170°	1361.0	1363.3	1365.6	1366.7	1365.8	1363.9	1362.1	1360.2	1358.4	1358.2	1358.0
172.5°	1366.5	1369.0	1371.5	1372.8	1371.9	1370.1	1368.2	1366.4	1364.6	1364.4	1364.2
175°	1371.1	1373.9	1376.6	1378.0	1377.0	1374.9	1372.8	1370.8	1368.7	1368.5	1368.3
177.5°	1373.2	1375.9	1378.6	1380.0	1379.1	1377.3	1375.4	1373.6	1371.8	1371.3	1370.9
180°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8

TEST NUMBER: P1032841

CATALOG NUMBER: S124RDIW-B1020D1050UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4
2.5°	1749.4	1742.5	1738.4	1737.0	1724.6	1717.7	1713.6	1710.9	1706.8	1695.8	1686.1
5°	1815.3	1796.1	1786.5	1775.5	1756.2	1734.2	1716.4	1705.4	1691.6	1669.7	1649.0
7.5°	1877.2	1848.3	1829.1	1813.9	1781.0	1745.2	1716.4	1693.0	1666.9	1636.7	1607.8
10°	1941.7	1895.0	1870.3	1846.9	1798.8	1752.1	1710.9	1676.5	1639.4	1599.6	1568.0
12.5°	1992.6	1930.7	1903.3	1870.3	1811.2	1756.2	1704.0	1657.3	1609.2	1566.6	1521.2
15°	2051.7	1974.7	1943.1	1900.5	1819.4	1748.0	1680.6	1629.8	1580.3	1517.1	1469.0
17.5°	2086.0	1996.7	1951.4	1914.3	1826.3	1739.7	1661.4	1598.2	1540.5	1477.3	1426.4
20°	2120.4	2018.7	1967.9	1915.6	1811.2	1719.1	1636.7	1561.1	1500.6	1431.9	1379.7
22.5°	2131.4	2013.2	1959.6	1911.5	1801.6	1698.5	1603.7	1526.7	1456.6	1387.9	1328.8
25°	2131.4	2011.8	1948.6	1886.8	1771.3	1665.5	1570.7	1486.9	1408.6	1339.8	1280.8
27.5°	2109.4	1984.3	1918.4	1862.0	1742.5	1628.4	1530.9	1438.8	1363.2	1294.5	1227.2
30°	2081.9	1944.5	1878.5	1811.2	1695.8	1587.2	1481.4	1396.2	1316.5	1238.2	1177.7
32.5°	2047.6	1901.9	1829.1	1760.3	1638.0	1525.4	1427.8	1344.0	1268.4	1187.3	1120.0
35°	1998.1	1838.7	1757.6	1697.1	1579.0	1462.1	1368.7	1286.2	1213.4	1129.6	1056.8
37.5°	1934.9	1781.0	1698.5	1624.3	1502.0	1394.8	1306.9	1227.2	1155.7	1078.7	997.7
40°	1860.7	1699.9	1628.4	1550.1	1420.9	1319.2	1236.8	1165.3	1093.9	1021.0	942.7
42.5°	1776.8	1617.4	1537.7	1462.1	1338.5	1238.2	1161.2	1096.6	1030.6	963.3	879.5
45°	1676.5	1526.7	1449.8	1378.3	1258.8	1155.7	1085.6	1023.8	967.4	898.7	824.5
47.5°	1563.8	1433.3	1355.0	1278.0	1161.2	1071.9	1003.2	950.9	902.8	834.1	766.8
50°	1453.9	1324.7	1261.5	1183.2	1076.0	992.2	922.1	878.1	841.0	773.7	713.2
52.5°	1315.1	1217.5	1157.1	1089.7	986.7	901.5	846.5	808.0	764.1	711.8	658.2
55°	1192.8	1102.1	1054.0	990.8	889.1	813.5	766.8	731.1	696.7	650.0	607.4
57.5°	1054.0	997.7	949.6	894.6	794.3	729.7	688.5	658.2	626.6	588.2	553.8
60°	908.3	882.2	835.5	791.5	706.3	650.0	615.6	588.2	557.9	526.3	497.5
62.5°	779.2	764.1	736.6	702.2	622.5	574.4	540.1	519.4	497.5	468.6	441.1
65°	656.9	650.0	623.9	599.2	544.2	501.6	471.3	459.0	434.2	412.3	387.5
67.5°	548.3	540.1	524.9	514.0	467.2	427.4	412.3	395.8	375.2	358.7	338.1
70°	438.4	437.0	427.4	413.6	388.9	360.0	344.9	333.9	313.3	300.9	285.8
72.5°	340.8	347.7	339.4	333.9	317.4	296.8	283.1	276.2	259.7	250.1	239.1
75°	254.2	259.7	263.8	254.2	250.1	240.5	228.1	221.2	213.0	199.3	195.1
77.5°	173.1	185.5	185.5	188.3	189.6	184.1	174.5	169.0	159.4	156.7	151.2
80°	114.1	125.1	126.4	129.2	133.3	133.3	126.4	125.1	115.4	114.1	109.9
82.5°	66.0	75.6	81.1	85.2	83.8	89.3	83.8	82.5	77.0	77.0	74.2
85°	35.7	37.1	39.9	42.6	45.3	48.1	48.1	46.7	45.3	44.0	41.2
87.5°	13.7	13.7	15.1	13.7	15.1	17.9	19.2	19.2	17.9	16.5	13.7
90°	17.1	15.3	14.4	13.1	10.6	8.1	5.6	3.1	5.6	8.1	10.6
92.5°	16.1	14.3	13.4	13.6	14.1	14.5	15.0	15.4	15.0	14.5	14.1
95°	21.9	21.7	21.6	25.5	33.2	41.0	48.7	56.5	48.7	41.0	33.2
97.5°	94.5	118.5	130.5	128.0	123.0	117.9	112.9	107.9	112.9	117.9	123.0
100°	139.7	171.2	187.0	184.9	180.8	176.7	172.6	168.5	172.6	176.7	180.8
102.5°	252.8	250.1	248.7	247.3	244.6	241.8	239.1	236.3	239.1	241.8	244.6
105°	317.2	316.1	315.5	314.8	313.4	312.1	310.7	309.3	310.7	312.1	313.4
107.5°	381.6	380.0	379.2	378.9	378.2	377.5	376.8	376.1	376.8	377.5	378.2
110°	449.1	447.7	447.0	446.7	446.0	445.3	444.6	443.9	444.6	445.3	446.0

TEST NUMBER: P1032841

CATALOG NUMBER: S124RDIW-B1020D1050UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	516.5	516.0	515.8	515.1	513.8	512.4	511.1	509.7	511.1	512.4	513.8
115°	580.2	580.5	580.6	580.3	579.6	578.9	578.2	577.5	578.2	578.9	579.6
117.5°	643.2	642.5	642.2	641.7	640.8	639.9	639.0	638.1	639.0	639.9	640.8
120°	703.5	703.8	703.9	703.4	702.5	701.6	700.7	699.8	700.7	701.6	702.5
122.5°	760.1	759.6	759.4	759.2	758.7	758.2	757.8	757.3	757.8	758.2	758.7
125°	815.2	815.7	815.9	815.4	814.5	813.6	812.7	811.8	812.7	813.6	814.5
127.5°	866.9	865.8	865.2	865.1	864.9	864.6	864.4	864.2	864.4	864.6	864.9
130°	916.6	915.9	915.6	915.5	915.2	915.0	914.7	914.5	914.7	915.0	915.2
132.5°	964.2	963.3	962.8	962.6	962.1	961.7	961.2	960.8	961.2	961.7	962.1
135°	1007.4	1006.5	1006.0	1006.1	1006.3	1006.6	1006.8	1007.0	1006.8	1006.6	1006.3
137.5°	1049.8	1048.7	1048.1	1048.1	1048.1	1048.1	1048.1	1048.1	1048.1	1048.1	1048.1
140°	1090.9	1090.4	1090.2	1090.0	1089.5	1089.1	1088.6	1088.2	1088.6	1089.1	1089.5
142.5°	1128.6	1128.4	1128.3	1127.8	1126.9	1126.0	1125.0	1124.1	1125.0	1126.0	1126.9
145°	1164.2	1164.2	1164.2	1163.9	1163.2	1162.5	1161.8	1161.1	1161.8	1162.5	1163.2
147.5°	1195.8	1196.0	1196.1	1195.4	1194.0	1192.7	1191.3	1189.9	1191.3	1192.7	1194.0
150°	1225.5	1225.8	1225.9	1225.4	1224.5	1223.6	1222.7	1221.8	1222.7	1223.6	1224.5
152.5°	1250.9	1251.4	1251.6	1251.3	1250.6	1249.9	1249.2	1248.5	1249.2	1249.9	1250.6
155°	1273.2	1273.9	1274.2	1274.1	1273.8	1273.6	1273.3	1273.1	1273.3	1273.6	1273.8
157.5°	1293.3	1294.2	1294.7	1294.7	1294.7	1294.7	1294.7	1294.7	1294.7	1294.7	1294.7
160°	1309.8	1310.0	1310.1	1310.4	1311.1	1311.8	1312.5	1313.2	1312.5	1311.8	1311.1
162.5°	1325.2	1325.5	1325.6	1326.1	1327.0	1327.9	1328.8	1329.7	1328.8	1327.9	1327.0
165°	1337.9	1337.9	1337.9	1338.5	1339.6	1340.7	1341.9	1343.0	1341.9	1340.7	1339.6
167.5°	1348.9	1349.1	1349.2	1349.8	1350.9	1352.0	1353.2	1354.3	1353.2	1352.0	1350.9
170°	1357.7	1357.5	1357.4	1358.1	1359.5	1360.8	1362.2	1363.6	1362.2	1360.8	1359.5
172.5°	1363.9	1363.7	1363.6	1364.3	1365.6	1367.0	1368.3	1369.7	1368.3	1367.0	1365.6
175°	1368.0	1367.8	1367.7	1368.4	1369.7	1371.1	1372.4	1373.8	1372.4	1371.1	1369.7
177.5°	1370.4	1369.9	1369.7	1370.5	1372.1	1373.7	1375.3	1376.9	1375.3	1373.7	1372.1
180°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8

TEST NUMBER: P1032841

CATALOG NUMBER: S124RDIW-B1020D1050UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4
2.5°	1677.9	1675.1	1672.4	1661.4	1651.8	1635.3	1621.6	1616.1	1614.7	1616.1	1611.9
5°	1629.8	1628.4	1618.8	1599.6	1581.7	1562.5	1548.7	1535.0	1526.7	1526.7	1517.1
7.5°	1584.5	1574.8	1566.6	1541.9	1521.2	1495.1	1474.5	1462.1	1455.3	1440.2	1440.2
10°	1536.4	1522.6	1511.6	1488.3	1458.0	1431.9	1405.8	1390.7	1378.3	1367.3	1363.2
12.5°	1488.3	1477.3	1456.6	1431.9	1401.7	1368.7	1341.2	1330.2	1301.4	1278.0	1279.4
15°	1442.9	1418.2	1408.6	1372.8	1337.1	1305.5	1265.6	1234.0	1210.7	1195.6	1176.3
17.5°	1392.1	1367.3	1349.5	1319.2	1272.5	1223.0	1184.6	1142.0	1118.6	1092.5	1080.1
20°	1335.7	1315.1	1301.4	1253.3	1196.9	1137.8	1095.2	1069.1	1043.0	1023.8	1012.8
22.5°	1287.6	1261.5	1245.0	1180.4	1118.6	1059.5	1026.5	1004.5	982.6	966.1	960.6
25°	1225.8	1210.7	1170.8	1114.5	1038.9	999.0	970.2	941.3	929.0	918.0	905.6
27.5°	1174.9	1137.8	1110.4	1036.1	989.4	944.1	915.2	893.2	878.1	867.1	857.5
30°	1111.7	1077.4	1038.9	977.1	934.5	891.9	865.7	847.9	831.4	824.5	816.3
32.5°	1045.8	1014.2	977.1	927.6	875.4	842.4	821.8	802.5	791.5	784.7	775.0
35°	986.7	946.8	922.1	875.4	832.8	795.7	776.4	759.9	747.6	744.8	743.4
37.5°	923.5	893.2	869.9	821.8	786.0	754.4	736.6	718.7	711.8	710.5	705.0
40°	868.5	842.4	820.4	775.0	736.6	707.7	694.0	683.0	676.1	676.1	674.7
42.5°	820.4	792.9	770.9	729.7	695.3	669.2	654.1	643.1	640.4	641.8	640.4
45°	766.8	743.4	721.5	678.9	650.0	630.8	614.3	608.8	604.6	606.0	607.4
47.5°	716.0	696.7	674.7	640.4	607.4	586.8	577.2	571.7	571.7	571.7	574.4
50°	670.6	648.6	629.4	593.7	563.4	546.9	538.7	531.8	533.2	534.6	535.9
52.5°	617.0	597.8	584.0	548.3	526.3	505.7	496.1	497.5	496.1	496.1	498.8
55°	570.3	551.1	537.3	504.3	482.3	468.6	460.4	456.2	457.6	454.9	460.4
57.5°	518.1	501.6	492.0	460.4	441.1	428.7	421.9	415.0	417.8	416.4	415.0
60°	472.7	453.5	438.4	416.4	399.9	384.8	380.7	373.8	376.5	373.8	372.4
62.5°	420.5	405.4	394.4	372.4	358.7	346.3	336.7	332.6	331.2	327.1	322.9
65°	368.3	360.0	349.0	327.1	313.3	303.7	298.2	294.1	292.7	281.7	269.3
67.5°	320.2	314.7	303.7	287.2	274.8	265.2	257.0	250.1	241.9	233.6	226.7
70°	274.8	266.6	259.7	244.6	233.6	224.0	215.7	207.5	203.4	195.1	192.4
72.5°	230.9	222.6	215.7	202.0	192.4	182.8	180.0	170.4	166.3	164.9	164.9
75°	185.5	178.6	174.5	162.2	153.9	147.0	142.9	140.2	137.4	134.7	130.5
77.5°	141.5	137.4	134.7	126.4	119.6	115.4	114.1	104.4	101.7	98.9	96.2
80°	103.1	101.7	98.9	92.1	89.3	79.7	79.7	77.0	75.6	75.6	75.6
82.5°	70.1	67.3	66.0	59.1	57.7	56.3	55.0	53.6	55.0	53.6	55.0
85°	37.1	35.7	34.4	34.4	34.4	34.4	34.4	34.4	34.4	33.0	34.4
87.5°	13.7	13.7	13.7	13.7	12.4	13.7	13.7	12.4	13.7	13.7	13.7
90°	13.1	14.4	15.3	17.1	19.0	20.8	22.6	24.0	25.4	26.7	28.1
92.5°	13.6	13.4	14.3	16.1	18.0	19.8	21.6	23.0	24.3	25.7	27.0
95°	25.5	21.6	21.7	21.9	22.2	22.4	22.6	24.0	25.4	26.7	28.1
97.5°	128.0	130.5	118.5	94.5	70.6	46.6	22.6	23.7	24.9	26.0	27.1
100°	184.9	187.0	171.2	139.7	108.2	76.7	45.2	41.3	37.4	33.5	29.6
102.5°	247.3	248.7	250.1	252.8	255.5	258.3	261.0	209.6	158.2	106.9	55.5
105°	314.8	315.5	316.1	317.2	318.3	319.5	320.6	322.6	324.7	326.7	328.8
107.5°	378.9	379.2	380.0	381.6	383.2	384.8	386.4	387.5	388.7	389.8	390.9
110°	446.7	447.0	447.7	449.1	450.4	451.8	453.2	453.6	454.1	454.5	455.0

TEST NUMBER: P1032841

CATALOG NUMBER: S124RDIW-B1020D1050UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	515.1	515.8	516.0	516.5	517.0	517.4	517.9	517.7	517.5	517.2	517.0
115°	580.3	580.6	580.5	580.2	580.0	579.7	579.5	580.0	580.4	580.9	581.4
117.5°	641.7	642.2	642.5	643.2	643.9	644.6	645.3	645.1	644.9	644.6	644.4
120°	703.4	703.9	703.8	703.5	703.3	703.0	702.8	703.3	703.7	704.2	704.7
122.5°	759.2	759.4	759.6	760.1	760.5	761.0	761.4	761.6	761.8	762.1	762.3
125°	815.4	815.9	815.7	815.2	814.7	814.3	813.8	814.5	815.2	815.9	816.6
127.5°	865.1	865.2	865.8	866.9	868.0	869.2	870.3	870.1	869.9	869.6	869.4
130°	915.5	915.6	915.9	916.6	917.3	917.9	918.6	918.8	919.1	919.3	919.6
132.5°	962.6	962.8	963.3	964.2	965.1	966.0	966.9	967.1	967.4	967.6	967.9
135°	1006.1	1006.0	1006.5	1007.4	1008.3	1009.2	1010.1	1010.5	1011.0	1011.4	1011.9
137.5°	1048.1	1048.1	1048.7	1049.8	1050.9	1052.1	1053.2	1053.7	1054.1	1054.6	1055.1
140°	1090.0	1090.2	1090.4	1090.9	1091.4	1091.8	1092.3	1093.0	1093.7	1094.4	1095.1
142.5°	1127.8	1128.3	1128.4	1128.6	1128.9	1129.1	1129.3	1129.7	1130.2	1130.6	1131.1
145°	1163.9	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.4	1164.7	1164.9	1165.2
147.5°	1195.4	1196.1	1196.0	1195.8	1195.5	1195.3	1195.1	1195.3	1195.5	1195.8	1196.0
150°	1225.4	1225.9	1225.8	1225.5	1225.3	1225.0	1224.8	1224.8	1224.8	1224.8	1224.8
152.5°	1251.3	1251.6	1251.4	1250.9	1250.4	1250.0	1249.5	1250.0	1250.4	1250.9	1251.4
155°	1274.1	1274.2	1273.9	1273.2	1272.5	1271.8	1271.1	1272.0	1272.9	1273.8	1274.7
157.5°	1294.7	1294.7	1294.2	1293.3	1292.4	1291.5	1290.6	1291.8	1292.9	1294.1	1295.2
160°	1310.4	1310.1	1310.0	1309.8	1309.5	1309.3	1309.1	1310.5	1311.9	1313.2	1314.6
162.5°	1326.1	1325.6	1325.5	1325.2	1325.0	1324.7	1324.5	1325.9	1327.3	1328.6	1330.0
165°	1338.5	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9	1339.7	1341.5	1343.4	1345.2
167.5°	1349.8	1349.2	1349.1	1348.9	1348.6	1348.4	1348.2	1350.2	1352.3	1354.3	1356.4
170°	1358.1	1357.4	1357.5	1357.7	1358.0	1358.2	1358.4	1360.2	1362.1	1363.9	1365.8
172.5°	1364.3	1363.6	1363.7	1363.9	1364.2	1364.4	1364.6	1366.4	1368.2	1370.1	1371.9
175°	1368.4	1367.7	1367.8	1368.0	1368.3	1368.5	1368.7	1370.8	1372.8	1374.9	1377.0
177.5°	1370.5	1369.7	1369.9	1370.4	1370.9	1371.3	1371.8	1373.6	1375.4	1377.3	1379.1
180°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8

TEST NUMBER: P1032841

CATALOG NUMBER: S124RDIW-B1020D1050UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4
2.5°	1611.9	1617.4	1610.6	1614.7	1605.1	1603.7	1605.1	1605.1	1606.4	1607.8	1609.2
5°	1521.2	1519.9	1511.6	1506.1	1502.0	1506.1	1508.9	1511.6	1508.9	1511.6	1513.0
7.5°	1436.0	1431.9	1427.8	1418.2	1420.9	1418.2	1426.4	1422.3	1422.3	1429.2	1434.7
10°	1360.5	1352.2	1349.5	1338.5	1330.2	1328.8	1338.5	1342.6	1346.7	1349.5	1360.5
12.5°	1262.9	1250.5	1240.9	1245.0	1221.7	1231.3	1234.0	1228.5	1245.0	1264.3	1253.3
15°	1158.4	1159.8	1140.6	1133.7	1114.5	1120.0	1121.3	1135.1	1148.8	1147.5	1163.9
17.5°	1081.5	1073.2	1056.8	1055.4	1047.1	1051.3	1049.9	1060.9	1056.8	1063.6	1077.4
20°	1010.0	1004.5	990.8	985.3	988.0	985.3	986.7	988.0	992.2	1007.3	1004.5
22.5°	953.7	946.8	946.8	940.0	931.7	929.0	935.8	940.0	945.4	948.2	955.1
25°	904.2	898.7	891.9	887.7	880.9	882.2	886.4	891.9	896.0	901.5	907.0
27.5°	853.4	853.4	846.5	845.1	842.4	841.0	846.5	849.3	849.3	853.4	858.9
30°	813.5	813.5	806.7	805.3	803.9	803.9	808.0	809.4	810.8	814.9	817.6
32.5°	775.0	773.7	770.9	772.3	770.9	772.3	772.3	773.7	776.4	777.8	783.3
35°	739.3	740.7	737.9	737.9	736.6	737.9	740.7	742.1	743.4	746.2	746.2
37.5°	705.0	707.7	706.3	710.5	710.5	710.5	710.5	713.2	713.2	713.2	711.8
40°	674.7	674.7	673.4	676.1	678.9	678.9	680.2	680.2	681.6	681.6	680.2
42.5°	640.4	643.1	647.2	648.6	651.4	650.0	654.1	652.7	654.1	651.4	648.6
45°	608.8	608.8	614.3	619.8	621.1	621.1	621.1	623.9	621.1	617.0	615.6
47.5°	574.4	577.2	579.9	586.8	588.2	588.2	588.2	588.2	585.4	585.4	585.4
50°	540.1	541.4	542.8	545.6	549.7	548.3	548.3	548.3	553.8	548.3	549.7
52.5°	498.8	500.2	501.6	507.1	505.7	505.7	507.1	507.1	511.2	509.8	507.1
55°	457.6	457.6	460.4	460.4	460.4	463.1	464.5	467.2	465.9	467.2	468.6
57.5°	416.4	413.6	412.3	412.3	416.4	415.0	416.4	416.4	421.9	424.6	426.0
60°	368.3	368.3	366.9	358.7	358.7	357.3	361.4	364.2	366.9	379.3	377.9
62.5°	318.8	313.3	307.8	309.2	300.9	305.1	302.3	305.1	313.3	322.9	324.3
65°	269.3	265.2	259.7	258.3	255.6	259.7	258.3	259.7	263.8	269.3	276.2
67.5°	225.4	224.0	221.2	219.9	219.9	219.9	222.6	222.6	224.0	228.1	232.2
70°	192.4	191.0	192.4	189.6	191.0	189.6	191.0	192.4	193.8	195.1	199.3
72.5°	162.2	162.2	162.2	159.4	162.2	160.8	160.8	162.2	163.5	164.9	167.7
75°	129.2	126.4	123.7	120.9	119.6	122.3	123.7	122.3	126.4	131.9	131.9
77.5°	97.6	96.2	96.2	96.2	97.6	96.2	98.9	97.6	98.9	98.9	101.7
80°	75.6	74.2	75.6	75.6	74.2	77.0	75.6	75.6	77.0	78.3	77.0
82.5°	55.0	56.3	55.0	55.0	55.0	57.7	55.0	55.0	55.0	56.3	56.3
85°	34.4	34.4	34.4	34.4	35.7	34.4	35.7	34.4	37.1	35.7	35.7
87.5°	12.4	13.7	15.1	15.1	15.1	15.1	13.7	15.1	16.5	15.1	16.5
90°	28.8	29.0	29.5	29.9	30.4	30.8	30.4	29.9	29.5	29.0	28.8
92.5°	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
95°	28.8	28.9	29.1	29.4	29.6	29.8	29.6	29.4	29.1	28.9	28.8
97.5°	27.7	27.8	28.1	28.3	28.6	28.8	28.6	28.3	28.1	27.8	27.7
100°	27.7	27.8	28.1	28.3	28.6	28.8	28.6	28.3	28.1	27.8	27.7
102.5°	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
105°	329.8	325.7	317.5	309.3	301.1	292.9	301.1	309.3	317.5	325.7	329.8
107.5°	391.5	392.0	392.9	393.8	394.7	395.6	394.7	393.8	392.9	392.0	391.5
110°	455.2	455.5	456.2	456.9	457.6	458.3	457.6	456.9	456.2	455.5	455.2

TEST NUMBER: P1032841

CATALOG NUMBER: S124RDIW-B1020D1050UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	516.9	517.4	518.3	519.2	520.1	521.0	520.1	519.2	518.3	517.4	516.9
115°	581.6	581.6	581.6	581.6	581.6	581.6	581.6	581.6	581.6	581.6	581.6
117.5°	644.3	644.3	644.3	644.3	644.3	644.3	644.3	644.3	644.3	644.3	644.3
120°	704.9	704.7	704.2	703.7	703.3	702.8	703.3	703.7	704.2	704.7	704.9
122.5°	762.4	762.2	761.7	761.3	760.8	760.4	760.8	761.3	761.7	762.2	762.4
125°	816.9	817.0	817.2	817.5	817.7	817.9	817.7	817.5	817.2	817.0	816.9
127.5°	869.3	869.2	869.0	868.7	868.5	868.3	868.5	868.7	869.0	869.2	869.3
130°	919.7	919.7	919.7	919.7	919.7	919.7	919.7	919.7	919.7	919.7	919.7
132.5°	968.0	967.9	967.6	967.4	967.1	966.9	967.1	967.4	967.6	967.9	968.0
135°	1012.1	1012.3	1012.8	1013.3	1013.7	1014.2	1013.7	1013.3	1012.8	1012.3	1012.1
137.5°	1055.3	1055.2	1055.0	1054.7	1054.5	1054.3	1054.5	1054.7	1055.0	1055.2	1055.3
140°	1095.4	1095.5	1095.7	1096.0	1096.2	1096.4	1096.2	1096.0	1095.7	1095.5	1095.4
142.5°	1131.3	1131.3	1131.3	1131.3	1131.3	1131.3	1131.3	1131.3	1131.3	1131.3	1131.3
145°	1165.3	1165.5	1166.0	1166.4	1166.9	1167.3	1166.9	1166.4	1166.0	1165.5	1165.3
147.5°	1196.1	1196.2	1196.4	1196.7	1196.9	1197.1	1196.9	1196.7	1196.4	1196.2	1196.1
150°	1224.8	1224.9	1225.2	1225.4	1225.7	1225.9	1225.7	1225.4	1225.2	1224.9	1224.8
152.5°	1251.6	1251.5	1251.2	1251.0	1250.7	1250.5	1250.7	1251.0	1251.2	1251.5	1251.6
155°	1275.2	1274.9	1274.2	1273.5	1272.8	1272.1	1272.8	1273.5	1274.2	1274.9	1275.2
157.5°	1295.8	1295.2	1294.1	1292.9	1291.8	1290.6	1291.8	1292.9	1294.1	1295.2	1295.8
160°	1315.3	1314.6	1313.2	1311.9	1310.5	1309.1	1310.5	1311.9	1313.2	1314.6	1315.3
162.5°	1330.7	1329.9	1328.3	1326.7	1325.1	1323.5	1325.1	1326.7	1328.3	1329.9	1330.7
165°	1346.1	1345.1	1343.0	1341.0	1338.9	1336.9	1338.9	1341.0	1343.0	1345.1	1346.1
167.5°	1357.4	1356.3	1354.0	1351.7	1349.4	1347.1	1349.4	1351.7	1354.0	1356.3	1357.4
170°	1366.7	1365.6	1363.3	1361.0	1358.7	1356.4	1358.7	1361.0	1363.3	1365.6	1366.7
172.5°	1372.8	1371.5	1369.0	1366.5	1364.0	1361.5	1364.0	1366.5	1369.0	1371.5	1372.8
175°	1378.0	1376.6	1373.9	1371.1	1368.4	1365.6	1368.4	1371.1	1373.9	1376.6	1378.0
177.5°	1380.0	1378.6	1375.9	1373.2	1370.4	1367.7	1370.4	1373.2	1375.9	1378.6	1380.0
180°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8

TEST NUMBER: P1032841

CATALOG NUMBER: S124RDIW-B1020D1050UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4	1705.4
2.5°	1614.7	1621.6	1618.8	1609.2	1613.3	1621.6	1629.8	1640.8	1647.7	1653.2	1655.9
5°	1519.9	1532.2	1529.5	1529.5	1535.0	1548.7	1562.5	1585.8	1594.1	1603.7	1617.4
7.5°	1436.0	1445.7	1453.9	1456.6	1464.9	1482.8	1500.6	1526.7	1547.3	1558.3	1566.6
10°	1361.8	1368.7	1381.1	1387.9	1396.2	1418.2	1444.3	1471.8	1492.4	1511.6	1522.6
12.5°	1267.0	1294.5	1311.0	1322.0	1333.0	1366.0	1386.6	1416.8	1441.5	1459.4	1475.9
15°	1161.2	1194.2	1203.8	1246.4	1273.9	1300.0	1331.6	1367.3	1390.7	1411.3	1433.3
17.5°	1071.9	1095.2	1106.2	1151.6	1174.9	1216.2	1261.5	1306.9	1342.6	1357.7	1379.7
20°	1015.5	1027.9	1049.9	1065.0	1089.7	1137.8	1187.3	1242.3	1295.9	1311.0	1333.0
22.5°	957.8	974.3	989.4	1010.0	1029.3	1062.3	1111.7	1172.2	1229.9	1257.4	1283.5
25°	905.6	922.1	931.7	953.7	971.6	1004.5	1038.9	1100.7	1169.4	1192.8	1234.0
27.5°	864.4	874.0	890.5	900.1	920.7	950.9	982.6	1029.3	1096.6	1136.5	1176.3
30°	823.1	830.0	843.8	857.5	872.6	893.2	929.0	974.3	1036.1	1070.5	1110.4
32.5°	781.9	792.9	801.2	810.8	827.3	852.0	876.7	920.7	970.2	1008.7	1048.5
35°	747.6	751.7	762.7	773.7	784.7	806.7	832.8	875.4	919.3	949.6	985.3
37.5°	710.5	717.3	725.6	729.7	747.6	761.3	788.8	821.8	874.0	893.2	929.0
40°	681.6	680.2	688.5	695.3	703.6	725.6	742.1	777.8	819.0	849.3	871.2
42.5°	645.9	645.9	648.6	656.9	667.9	681.6	700.8	731.1	773.7	795.7	821.8
45°	617.0	612.9	614.3	619.8	626.6	640.4	659.6	685.7	728.3	746.2	773.7
47.5°	582.7	578.5	578.5	584.0	589.5	599.2	614.3	644.5	678.9	702.2	722.8
50°	544.2	545.6	544.2	548.3	551.1	560.7	577.2	601.9	633.5	652.7	676.1
52.5°	508.5	505.7	504.3	507.1	512.6	519.4	537.3	559.3	589.5	608.8	629.4
55°	464.5	467.2	467.2	467.2	475.5	478.2	492.0	514.0	544.2	559.3	578.5
57.5°	424.6	423.3	426.0	424.6	431.5	441.1	452.1	468.6	498.8	514.0	531.8
60°	380.7	382.0	383.4	383.4	388.9	398.5	410.9	426.0	450.7	465.9	482.3
62.5°	327.1	333.9	340.8	343.5	351.8	358.7	366.9	383.4	405.4	416.4	431.5
65°	276.2	285.8	295.5	302.3	307.8	314.7	325.7	340.8	358.7	369.7	384.8
67.5°	232.2	239.1	251.5	258.3	269.3	277.6	284.5	296.8	318.8	322.9	335.3
70°	200.6	203.4	208.9	214.4	226.7	233.6	241.9	254.2	270.7	280.3	287.2
72.5°	169.0	170.4	173.1	178.6	184.1	192.4	202.0	213.0	228.1	232.2	241.9
75°	134.7	142.9	142.9	147.0	151.2	155.3	163.5	174.5	184.1	191.0	196.5
77.5°	100.3	104.4	107.2	114.1	119.6	123.7	129.2	137.4	142.9	148.4	152.5
80°	78.3	79.7	81.1	81.1	83.8	89.3	94.8	100.3	107.2	109.9	114.1
82.5°	57.7	57.7	57.7	60.5	61.8	63.2	63.2	66.0	72.8	75.6	79.7
85°	37.1	37.1	37.1	37.1	38.5	39.9	41.2	42.6	42.6	42.6	45.3
87.5°	15.1	17.9	16.5	17.9	17.9	17.9	17.9	19.2	19.2	20.6	20.6
90°	28.1	26.7	25.4	24.0	22.6	20.8	19.0	17.1	15.3	14.4	13.1
92.5°	27.0	25.7	24.3	23.0	21.6	19.8	18.0	16.1	14.3	13.4	13.6
95°	28.1	26.7	25.4	24.0	22.6	22.4	22.2	21.9	21.7	21.6	25.5
97.5°	27.1	26.0	24.9	23.7	22.6	46.6	70.6	94.5	118.5	130.5	128.0
100°	29.6	33.5	37.4	41.3	45.2	76.7	108.2	139.7	171.2	187.0	184.9
102.5°	55.5	106.9	158.2	209.6	261.0	258.3	255.5	252.8	250.1	248.7	247.3
105°	328.8	326.7	324.7	322.6	320.6	319.5	318.3	317.2	316.1	315.5	314.8
107.5°	390.9	389.8	388.7	387.5	386.4	384.8	383.2	381.6	380.0	379.2	378.9
110°	455.0	454.5	454.1	453.6	453.2	451.8	450.4	449.1	447.7	447.0	446.7

TEST NUMBER: P1032841

CATALOG NUMBER: S124RDIW-B1020D1050UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	517.0	517.2	517.5	517.7	517.9	517.4	517.0	516.5	516.0	515.8	515.1
115°	581.4	580.9	580.4	580.0	579.5	579.7	580.0	580.2	580.5	580.6	580.3
117.5°	644.4	644.6	644.9	645.1	645.3	644.6	643.9	643.2	642.5	642.2	641.7
120°	704.7	704.2	703.7	703.3	702.8	703.0	703.3	703.5	703.8	703.9	703.4
122.5°	762.3	762.1	761.8	761.6	761.4	761.0	760.5	760.1	759.6	759.4	759.2
125°	816.6	815.9	815.2	814.5	813.8	814.3	814.7	815.2	815.7	815.9	815.4
127.5°	869.4	869.6	869.9	870.1	870.3	869.2	868.0	866.9	865.8	865.2	865.1
130°	919.6	919.3	919.1	918.8	918.6	917.9	917.3	916.6	915.9	915.6	915.5
132.5°	967.9	967.6	967.4	967.1	966.9	966.0	965.1	964.2	963.3	962.8	962.6
135°	1011.9	1011.4	1011.0	1010.5	1010.1	1009.2	1008.3	1007.4	1006.5	1006.0	1006.1
137.5°	1055.1	1054.6	1054.1	1053.7	1053.2	1052.1	1050.9	1049.8	1048.7	1048.1	1048.1
140°	1095.1	1094.4	1093.7	1093.0	1092.3	1091.8	1091.4	1090.9	1090.4	1090.2	1090.0
142.5°	1131.1	1130.6	1130.2	1129.7	1129.3	1129.1	1128.9	1128.6	1128.4	1128.3	1127.8
145°	1165.2	1164.9	1164.7	1164.4	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1163.9
147.5°	1196.0	1195.8	1195.5	1195.3	1195.1	1195.3	1195.5	1195.8	1196.0	1196.1	1195.4
150°	1224.8	1224.8	1224.8	1224.8	1224.8	1225.0	1225.3	1225.5	1225.8	1225.9	1225.4
152.5°	1251.4	1250.9	1250.4	1250.0	1249.5	1250.0	1250.4	1250.9	1251.4	1251.6	1251.3
155°	1274.7	1273.8	1272.9	1272.0	1271.1	1271.8	1272.5	1273.2	1273.9	1274.2	1274.1
157.5°	1295.2	1294.1	1292.9	1291.8	1290.6	1291.5	1292.4	1293.3	1294.2	1294.7	1294.7
160°	1314.6	1313.2	1311.9	1310.5	1309.1	1309.3	1309.5	1309.8	1310.0	1310.1	1310.4
162.5°	1330.0	1328.6	1327.3	1325.9	1324.5	1324.7	1325.0	1325.2	1325.5	1325.6	1326.1
165°	1345.2	1343.4	1341.5	1339.7	1337.9	1337.9	1337.9	1337.9	1337.9	1337.9	1338.5
167.5°	1356.4	1354.3	1352.3	1350.2	1348.2	1348.4	1348.6	1348.9	1349.1	1349.2	1349.8
170°	1365.8	1363.9	1362.1	1360.2	1358.4	1358.2	1358.0	1357.7	1357.5	1357.4	1358.1
172.5°	1371.9	1370.1	1368.2	1366.4	1364.6	1364.4	1364.2	1363.9	1363.7	1363.6	1364.3
175°	1377.0	1374.9	1372.8	1370.8	1368.7	1368.5	1368.3	1368.0	1367.8	1367.7	1368.4
177.5°	1379.1	1377.3	1375.4	1373.6	1371.8	1371.3	1370.9	1370.4	1369.9	1369.7	1370.5
180°	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8	1373.8

TEST NUMBER: P1032841

CATALOG NUMBER: S124RDIW-B1020D1050UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1705.4	1705.4	1705.4	1705.4
2.5°	1666.9	1675.1	1688.9	1708.1
5°	1628.4	1651.8	1673.8	1702.6
7.5°	1594.1	1621.6	1651.8	1693.0
10°	1554.2	1588.6	1627.1	1677.9
12.5°	1507.5	1555.6	1599.6	1654.5
15°	1473.1	1508.9	1565.2	1629.8
17.5°	1425.0	1473.1	1529.5	1602.3
20°	1379.7	1430.5	1493.8	1569.3
22.5°	1331.6	1389.3	1452.5	1533.6
25°	1282.1	1344.0	1407.2	1493.8
27.5°	1236.8	1293.1	1364.6	1452.5
30°	1181.8	1246.4	1315.1	1407.2
32.5°	1128.2	1195.6	1265.6	1357.7
35°	1070.5	1137.8	1214.8	1302.7
37.5°	1014.2	1088.4	1158.4	1243.6
40°	952.3	1029.3	1102.1	1188.7
42.5°	891.9	971.6	1044.4	1118.6
45°	835.5	913.8	979.8	1049.9
47.5°	781.9	852.0	919.3	982.6
50°	729.7	788.8	850.6	902.8
52.5°	674.7	731.1	780.5	827.3
55°	625.3	669.2	713.2	755.8
57.5°	566.2	610.1	648.6	681.6
60°	516.7	544.2	581.3	615.6
62.5°	460.4	492.0	520.8	542.8
65°	405.4	432.9	454.9	474.1
67.5°	358.7	375.2	391.6	412.3
70°	302.3	316.1	335.3	350.4
72.5°	254.2	265.2	274.8	292.7
75°	206.1	215.7	221.2	237.7
77.5°	159.4	169.0	173.1	182.8
80°	122.3	123.7	129.2	137.4
82.5°	83.8	86.6	87.9	94.8
85°	48.1	55.0	53.6	56.3
87.5°	20.6	22.0	24.7	27.5
90°	10.6	8.1	5.6	3.1
92.5°	14.1	14.5	15.0	15.4
95°	33.2	41.0	48.7	56.5
97.5°	123.0	117.9	112.9	107.9
100°	180.8	176.7	172.6	168.5
102.5°	244.6	241.8	239.1	236.3
105°	313.4	312.1	310.7	309.3
107.5°	378.2	377.5	376.8	376.1
110°	446.0	445.3	444.6	443.9



TEST NUMBER: P1032841

CATALOG NUMBER: S124RDIW-B1020D1050UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	513.8	512.4	511.1	509.7
115°	579.6	578.9	578.2	577.5
117.5°	640.8	639.9	639.0	638.1
120°	702.5	701.6	700.7	699.8
122.5°	758.7	758.2	757.8	757.3
125°	814.5	813.6	812.7	811.8
127.5°	864.9	864.6	864.4	864.2
130°	915.2	915.0	914.7	914.5
132.5°	962.1	961.7	961.2	960.8
135°	1006.3	1006.6	1006.8	1007.0
137.5°	1048.1	1048.1	1048.1	1048.1
140°	1089.5	1089.1	1088.6	1088.2
142.5°	1126.9	1126.0	1125.0	1124.1
145°	1163.2	1162.5	1161.8	1161.1
147.5°	1194.0	1192.7	1191.3	1189.9
150°	1224.5	1223.6	1222.7	1221.8
152.5°	1250.6	1249.9	1249.2	1248.5
155°	1273.8	1273.6	1273.3	1273.1
157.5°	1294.7	1294.7	1294.7	1294.7
160°	1311.1	1311.8	1312.5	1313.2
162.5°	1327.0	1327.9	1328.8	1329.7
165°	1339.6	1340.7	1341.9	1343.0
167.5°	1350.9	1352.0	1353.2	1354.3
170°	1359.5	1360.8	1362.2	1363.6
172.5°	1365.6	1367.0	1368.3	1369.7
175°	1369.7	1371.1	1372.4	1373.8
177.5°	1372.1	1373.7	1375.3	1376.9
180°	1373.8	1373.8	1373.8	1373.8

(END OF REPORT)