

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: P1000068

Luminaire Tested: SA2XXRDIP-B865D1080UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1000068
REPORT IS A COMBINATION OF REPORTS P988625 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-B865D1080UB2750-4F0-XX-W2A-A_3000K
Description: Define 2 Regressed Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

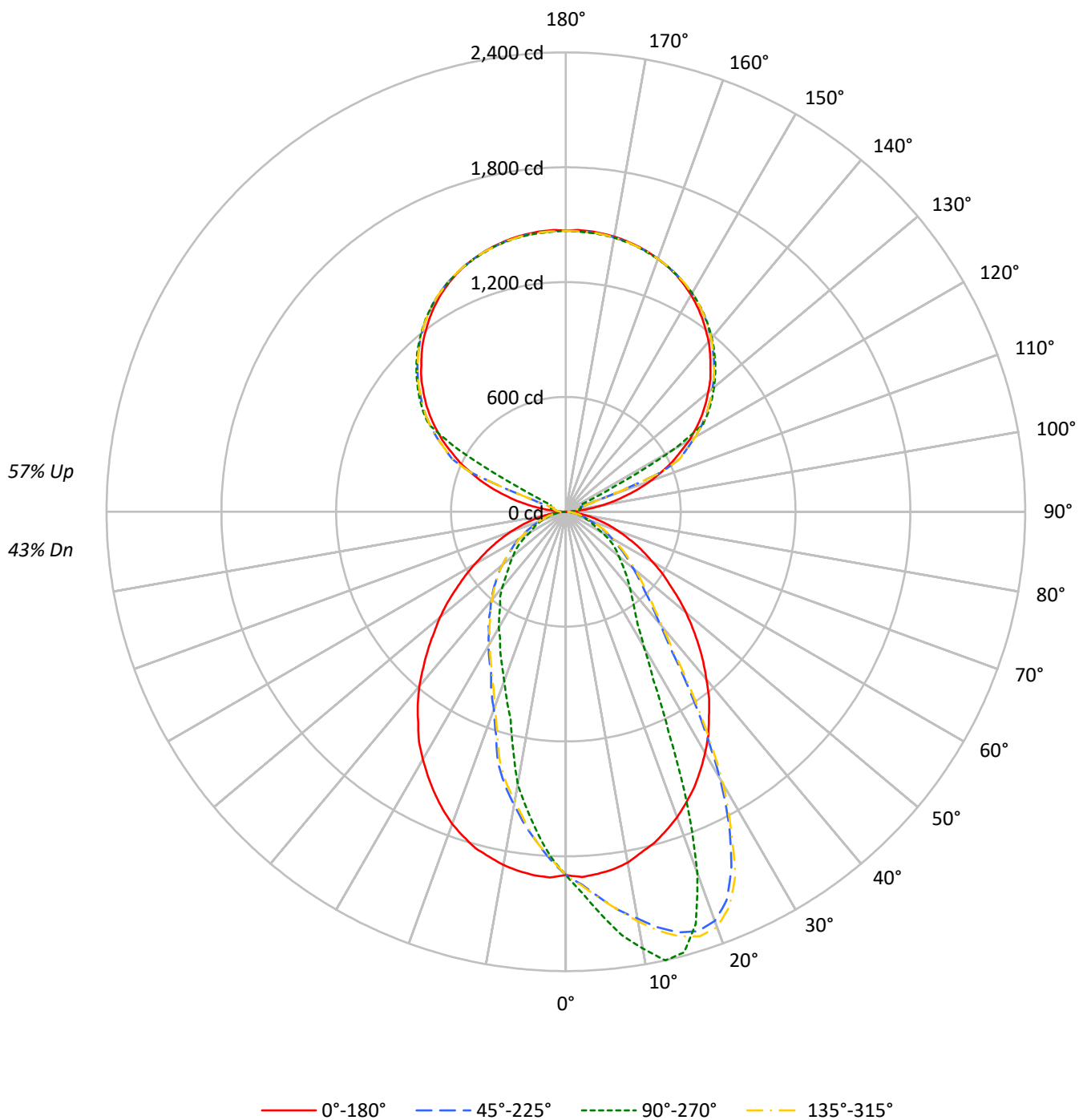
Lumens per Lamp: N/A
Luminaire Lumens: 7587.0 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 81.8
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	106	106	106	106	96	96	96	96	80	80	80	64	64	64	50	50	50	43		
1	97	93	89	86	89	85	82	79	71	69	67	57	56	55	45	44	43	38		
2	89	82	76	71	81	75	70	66	63	59	56	51	49	47	41	39	38	33		
3	82	73	66	60	74	67	61	56	56	52	48	46	43	40	37	35	33	29		
4	75	65	57	52	68	60	53	48	50	46	42	41	38	35	33	31	29	25		
5	69	58	50	45	63	54	47	42	45	40	37	38	34	31	30	28	26	23		
6	64	52	45	39	58	49	42	37	41	36	32	34	31	28	28	25	23	20		
7	59	48	40	35	54	44	37	33	38	32	29	31	28	25	26	23	21	18		
8	55	43	36	31	51	40	34	29	34	29	26	29	25	22	24	21	19	17		
9	51	40	33	28	47	37	31	26	32	27	23	27	23	20	22	19	17	15		
10	48	37	30	25	44	34	28	24	29	25	21	25	21	19	21	18	16	14		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	30044	30044	30044	30044
5°	30114	31912	30218	25494
10°	29783	33729	29994	21052
15°	29137	33740	29630	15816
20°	28359	27889	28976	13048
25°	27418	17427	28008	11101
30°	26213	11158	26926	9556
35°	24750	8575	25551	8178
40°	23117	7208	24105	7153
45°	21375	6136	22268	6004
50°	19588	5213	20501	5194
55°	17608	4529	18556	4471
60°	15849	3455	16690	3412
65°	14209	2600	15052	2950
70°	12394	2077	13365	2404
75°	10478	1591	11434	1818
80°	8319	1081	8950	1192
85°	5777	557	6328	590

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 27484 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.0	2.4
10°-20°	502.5	6.6
20°-30°	646.7	8.5
30°-40°	613.5	8.1
40°-50°	525.8	6.9
50°-60°	400.4	5.3
60°-70°	252.5	3.3
70°-80°	126.0	1.7
80°-90°	35.0	0.5
90°-100°	48.4	0.6
100°-110°	180.5	2.4
110°-120°	478.7	6.3
120°-130°	793.9	10.5
130°-140°	843.3	11.1
140°-150°	783.8	10.3
150°-160°	630.1	8.3
160°-170°	406.0	5.4
170°-180°	139.7	1.8
0°-30°	1329.3	17.5
0°-40°	1942.8	25.6
0°-60°	2869.1	37.8
0°-90°	3282.6	43.3
90°-120°	707.6	9.3
90°-150°	3128.5	41.2
90°-180°	4304.0	56.7
0°-180°	7587.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1898	1898	1898	1898	1898	
5°	1899	2112	1906	1687	1899	180
15°	1790	2383	1820	1117	1790	504
25°	1588	1272	1622	810	1588	729
35°	1303	626	1345	598	1303	815
45°	979	435	1020	426	979	755
55°	661	302	696	298	661	596
65°	400	157	423	178	400	397
75°	187	83	204	95	187	203
85°	41	24	45	25	41	46
90°	1	29	1	29	1	6
95°	69	46	69	46	69	82
105°	323	81	323	81	323	345
115°	611	87	611	87	611	601
125°	864	908	864	908	864	770
135°	1069	1104	1069	1104	1069	826
145°	1240	1259	1240	1259	1240	775
155°	1365	1366	1365	1366	1365	629
165°	1438	1435	1438	1435	1438	406
175°	1471	1463	1471	1463	1471	140
180°	1468	1468	1468	1468	1468	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0
2.5°	1909.9	1917.8	1921.8	1927.0	1938.9	1946.8	1958.7	1961.3	1960.0	1965.3	1950.8
5°	1899.3	1916.5	1932.3	1945.5	1966.6	1979.8	1994.3	2011.4	2015.4	2035.2	2023.3
7.5°	1884.8	1909.9	1932.3	1958.7	1990.3	2007.5	2029.9	2056.3	2068.2	2091.9	2098.5
10°	1861.1	1896.7	1934.9	1962.6	2006.2	2036.5	2057.6	2099.8	2127.5	2163.1	2157.9
12.5°	1822.8	1869.0	1920.4	1966.6	2023.3	2043.1	2082.7	2126.2	2161.8	2194.8	2223.8
15°	1789.9	1842.6	1899.3	1956.0	2020.7	2057.6	2097.2	2153.9	2192.1	2250.2	2275.2
17.5°	1745.0	1812.3	1879.5	1942.9	2019.4	2061.6	2110.4	2165.8	2222.5	2277.9	2297.7
20°	1698.8	1771.4	1843.9	1929.7	2016.7	2057.6	2107.7	2176.3	2231.7	2275.2	2275.2
22.5°	1643.4	1731.8	1814.9	1896.7	1991.7	2051.0	2102.5	2182.9	2222.5	2231.7	2196.1
25°	1588.1	1676.4	1767.4	1869.0	1977.2	2029.9	2087.9	2163.1	2176.3	2139.4	2047.1
27.5°	1522.1	1621.0	1723.9	1833.4	1946.8	2012.8	2065.5	2115.6	2090.6	1991.7	1847.9
30°	1454.8	1561.7	1677.7	1781.9	1919.1	1979.8	2024.6	2039.1	1960.0	1799.1	1613.1
32.5°	1384.9	1489.1	1611.8	1737.1	1875.6	1933.6	1962.6	1924.4	1779.3	1576.2	1349.3
35°	1303.2	1420.5	1548.5	1679.1	1816.2	1859.8	1876.9	1783.3	1597.3	1334.8	1109.3
37.5°	1229.3	1346.7	1483.9	1617.1	1750.3	1774.0	1756.9	1610.5	1374.4	1114.5	894.3
40°	1142.2	1267.5	1402.1	1551.1	1660.6	1667.2	1625.0	1435.0	1142.2	898.2	762.4
42.5°	1061.8	1188.4	1322.9	1474.6	1557.7	1535.3	1478.6	1229.3	953.6	774.2	664.8
45°	978.7	1098.7	1243.8	1378.3	1437.7	1384.9	1299.2	1034.1	800.6	666.1	581.7
47.5°	898.2	1010.3	1154.1	1283.4	1293.9	1234.6	1133.0	866.6	693.8	585.6	517.0
50°	819.1	931.2	1065.7	1172.6	1162.0	1080.2	965.5	753.1	602.8	517.0	460.3
52.5°	739.9	841.5	972.1	1056.5	1011.7	932.5	819.1	638.4	526.3	451.1	407.6
55°	660.8	755.8	867.9	937.8	866.6	775.6	695.1	547.4	456.4	395.7	362.7
57.5°	594.9	670.0	772.9	815.1	729.4	658.2	588.3	470.9	395.7	352.2	313.9
60°	522.3	590.9	675.3	700.4	612.0	554.0	494.6	398.3	339.0	300.7	275.7
62.5°	460.3	517.0	581.7	581.7	503.9	460.3	415.5	333.7	284.9	254.6	242.7
65°	399.7	440.5	486.7	481.4	415.5	377.2	341.6	275.7	238.7	217.6	205.8
67.5°	340.3	372.0	402.3	383.8	336.3	303.4	270.4	222.9	197.8	183.3	167.5
70°	286.2	311.3	327.1	310.0	262.5	234.8	211.0	179.4	159.6	141.1	131.9
72.5°	240.1	250.6	255.9	234.8	195.2	179.4	162.2	139.8	122.7	113.4	110.8
75°	187.3	196.5	192.6	176.7	143.8	131.9	118.7	102.9	98.9	93.6	91.0
77.5°	146.4	146.4	139.8	125.3	102.9	93.6	88.4	80.5	76.5	75.2	72.5
80°	104.2	102.9	98.9	83.1	69.9	64.6	64.6	59.4	58.0	55.4	55.4
82.5°	68.6	68.6	63.3	50.1	46.2	44.8	43.5	40.9	40.9	39.6	39.6
85°	40.9	38.3	31.7	27.7	26.4	26.4	25.1	23.7	25.1	23.7	23.7
87.5°	18.5	14.5	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
90°	1.1	3.7	6.3	8.8	11.4	12.7	13.6	15.5	17.4	19.3	21.2
92.5°	26.6	25.6	24.7	23.7	22.8	22.3	22.7	23.4	24.1	24.8	25.5
95°	69.1	61.3	53.5	45.7	37.9	34.0	34.8	36.5	38.1	39.8	41.4
97.5°	124.3	104.9	85.6	66.2	46.9	37.2	39.1	42.9	46.6	50.4	54.2
100°	188.0	155.7	123.3	91.0	58.7	42.5	44.5	48.5	52.6	56.6	60.6
102.5°	258.2	257.7	257.2	256.7	256.2	256.0	234.5	191.6	148.6	105.7	62.7
105°	323.0	330.1	337.1	344.2	351.3	354.8	322.6	258.1	193.7	129.2	64.8
107.5°	398.4	404.3	410.2	416.1	422.0	425.0	385.2	305.6	226.1	146.5	66.9
110°	470.6	475.6	480.6	485.5	490.5	493.0	458.9	390.6	322.4	254.1	185.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	538.6	542.9	547.1	551.4	555.7	557.8	555.8	551.8	547.7	543.7	539.7
115°	610.9	614.9	618.9	622.9	626.9	628.9	631.9	637.8	643.7	649.6	655.5
117.5°	673.6	678.3	683.0	687.7	692.4	694.8	696.8	700.8	704.9	708.9	712.9
120°	743.7	747.2	750.8	754.3	757.8	759.6	761.7	766.0	770.3	774.5	778.8
122.5°	803.2	807.0	810.8	814.5	818.3	820.2	822.6	827.3	832.0	836.7	841.4
125°	863.7	866.8	869.9	873.0	876.1	877.6	879.8	884.3	888.8	893.2	897.7
127.5°	919.0	922.3	925.6	928.9	932.2	933.9	935.7	939.2	942.7	946.3	949.8
130°	971.0	974.8	978.6	982.3	986.1	988.0	989.3	991.9	994.5	997.1	999.7
132.5°	1024.2	1027.3	1030.3	1033.4	1036.5	1038.0	1039.3	1041.9	1044.5	1047.1	1049.7
135°	1068.8	1072.6	1076.4	1080.1	1083.9	1085.8	1086.9	1089.0	1091.1	1093.2	1095.3
137.5°	1115.5	1118.3	1121.2	1124.0	1126.9	1128.3	1129.5	1131.8	1134.2	1136.5	1138.9
140°	1161.2	1163.1	1165.0	1166.9	1168.8	1169.7	1171.0	1173.6	1176.2	1178.8	1181.4
142.5°	1199.5	1201.1	1202.8	1204.4	1206.1	1206.9	1208.4	1211.5	1214.6	1217.6	1220.7
145°	1239.8	1239.6	1239.4	1239.1	1238.9	1238.8	1240.8	1244.8	1248.8	1252.8	1256.8
147.5°	1274.9	1274.2	1273.5	1272.8	1272.1	1271.7	1273.7	1277.7	1281.8	1285.8	1289.8
150°	1308.9	1307.3	1305.6	1304.0	1302.3	1301.5	1303.4	1307.2	1310.9	1314.7	1318.5
152.5°	1337.6	1335.7	1333.8	1331.9	1330.0	1329.1	1330.9	1334.4	1337.9	1341.5	1345.0
155°	1365.2	1363.1	1360.9	1358.8	1356.7	1355.6	1357.0	1359.9	1362.7	1365.6	1368.4
157.5°	1387.5	1385.6	1383.7	1381.8	1379.9	1379.0	1380.1	1382.2	1384.3	1386.5	1388.6
160°	1406.6	1405.2	1403.8	1402.4	1401.0	1400.3	1401.0	1402.4	1403.8	1405.2	1406.6
162.5°	1423.6	1422.2	1420.8	1419.4	1418.0	1417.3	1417.9	1419.1	1420.2	1421.4	1422.6
165°	1438.5	1437.1	1435.7	1434.2	1432.8	1432.1	1432.5	1433.2	1433.9	1434.6	1435.3
167.5°	1450.2	1448.8	1447.4	1445.9	1444.5	1443.8	1444.2	1444.9	1445.6	1446.3	1447.0
170°	1459.8	1458.4	1457.0	1455.5	1454.1	1453.4	1453.6	1454.1	1454.6	1455.0	1455.5
172.5°	1466.1	1464.7	1463.3	1461.9	1460.5	1459.8	1460.0	1460.5	1461.0	1461.4	1461.9
175°	1471.4	1469.8	1468.1	1466.5	1464.8	1464.0	1464.2	1464.7	1465.2	1465.6	1466.1
177.5°	1473.6	1471.9	1470.3	1468.6	1466.9	1466.1	1466.2	1466.5	1466.7	1467.0	1467.2
180°	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0
2.5°	1965.3	1967.9	1971.9	1990.3	1993.0	1998.3	1995.6	1995.6	1996.9	1994.3	1995.6
5°	2049.7	2053.7	2073.4	2095.9	2101.1	2095.9	2102.5	2111.7	2111.7	2111.7	2109.0
7.5°	2128.8	2143.3	2165.8	2198.7	2205.3	2211.9	2223.8	2215.9	2218.5	2230.4	2226.4
10°	2205.3	2226.4	2251.5	2279.2	2293.7	2302.9	2308.2	2320.1	2347.8	2316.1	2328.0
12.5°	2277.9	2308.2	2334.6	2364.9	2375.5	2387.4	2391.3	2401.9	2401.9	2400.5	2409.8
15°	2325.4	2353.1	2376.8	2396.6	2399.2	2396.6	2393.9	2395.3	2399.2	2383.4	2392.6
17.5°	2335.9	2338.6	2346.5	2338.6	2339.9	2312.2	2296.3	2292.4	2255.5	2256.8	2287.1
20°	2284.5	2239.6	2227.8	2184.2	2157.9	2086.6	2084.0	2064.2	1986.4	2010.1	2004.8
22.5°	2143.3	2066.8	1965.3	1915.2	1890.1	1814.9	1756.9	1716.0	1688.3	1660.6	1648.7
25°	1957.4	1833.4	1689.6	1590.7	1576.2	1506.3	1399.4	1349.3	1290.0	1271.5	1303.2
27.5°	1717.3	1556.4	1394.2	1242.5	1214.8	1151.5	1097.4	1061.8	993.2	989.2	991.9
30°	1391.5	1229.3	1093.4	994.5	925.9	896.9	861.3	834.9	807.2	817.8	820.4
32.5°	1143.6	989.2	862.6	809.9	778.2	759.7	729.4	712.2	700.4	696.4	695.1
35°	908.8	805.9	749.2	697.7	679.3	666.1	643.7	635.7	625.2	626.5	626.5
37.5°	778.2	692.5	650.3	623.9	606.7	600.1	585.6	577.7	571.1	568.5	572.4
40°	671.4	612.0	585.6	561.9	547.4	544.7	536.8	527.6	519.7	521.0	525.0
42.5°	593.5	559.2	527.6	509.1	498.6	494.6	488.0	481.4	481.4	477.5	476.2
45°	531.5	503.9	477.5	460.3	453.7	448.5	440.5	439.2	433.9	435.3	436.6
47.5°	476.2	453.7	433.9	416.8	410.2	408.9	401.0	395.7	395.7	394.4	393.1
50°	426.0	403.6	386.5	377.2	368.0	365.4	364.0	362.7	360.1	360.1	361.4
52.5°	385.1	362.7	349.5	341.6	336.3	333.7	333.7	332.4	332.4	332.4	331.1
55°	340.3	321.8	311.3	308.6	306.0	304.7	303.4	300.7	299.4	302.0	299.4
57.5°	298.1	291.5	282.3	279.6	273.0	273.0	269.1	266.4	263.8	266.4	266.4
60°	265.1	255.9	250.6	242.7	237.4	232.1	225.5	224.2	221.6	220.3	219.0
62.5°	230.8	222.9	209.7	197.8	189.9	184.7	182.0	180.7	180.7	179.4	179.4
65°	192.6	174.1	167.5	163.6	162.2	160.9	158.3	157.0	158.3	157.0	158.3
67.5°	150.4	147.7	143.8	141.1	139.8	138.5	138.5	137.2	137.2	137.2	137.2
70°	130.6	124.0	122.7	120.0	120.0	118.7	118.7	118.7	118.7	117.4	120.0
72.5°	108.2	104.2	102.9	101.6	101.6	101.6	100.2	100.2	100.2	98.9	100.2
75°	88.4	87.1	84.4	84.4	83.1	84.4	83.1	83.1	81.8	83.1	83.1
77.5°	71.2	69.9	68.6	68.6	67.3	67.3	67.3	67.3	67.3	67.3	68.6
80°	54.1	52.8	51.4	52.8	51.4	52.8	51.4	51.4	52.8	51.4	51.4
82.5°	39.6	38.3	38.3	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
85°	23.7	22.4	22.4	23.7	22.4	23.7	22.4	22.4	22.4	23.7	23.7
87.5°	10.6	11.9	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	11.9
90°	22.4	23.6	24.8	26.0	26.6	26.8	27.3	27.8	28.2	28.7	28.2
92.5°	26.0	26.4	26.9	27.4	27.6	27.7	28.0	28.2	28.5	28.7	28.5
95°	42.6	43.8	44.9	46.1	46.7	46.6	46.4	46.1	45.9	45.7	45.9
97.5°	54.9	55.6	56.3	57.0	57.4	57.5	57.7	58.0	58.2	58.4	58.2
100°	62.5	64.4	66.3	68.2	69.1	69.3	69.8	70.3	70.7	71.2	70.7
102.5°	65.3	67.9	70.5	73.1	74.4	74.8	75.5	76.2	76.9	77.6	76.9
105°	67.4	70.0	72.6	75.2	76.5	77.0	77.9	78.8	79.8	80.7	79.8
107.5°	69.5	72.1	74.7	77.3	78.6	79.1	80.0	81.0	81.9	82.9	81.9
110°	162.3	138.7	115.1	91.5	79.7	80.2	81.1	82.0	83.0	83.9	83.0

TEST NUMBER: P1000068

CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	437.9	336.2	234.4	132.7	81.8	82.2	82.9	83.6	84.3	85.0	84.3
115°	546.2	436.9	327.6	218.3	163.6	155.1	138.1	121.1	104.1	87.1	104.1
117.5°	679.1	645.4	611.6	577.9	561.0	530.1	468.2	406.3	344.5	282.6	344.5
120°	781.6	784.4	787.3	790.1	791.5	775.6	743.7	711.8	680.0	648.1	680.0
122.5°	842.8	844.2	845.7	847.1	847.8	847.9	848.2	848.4	848.7	848.9	848.7
125°	899.4	901.0	902.7	904.4	905.2	905.6	906.3	907.0	907.7	908.4	907.7
127.5°	952.2	954.5	956.9	959.2	960.4	960.5	960.8	961.0	961.3	961.5	961.3
130°	1002.3	1004.9	1007.5	1010.1	1011.4	1011.3	1011.1	1010.8	1010.6	1010.4	1010.6
132.5°	1051.8	1053.9	1056.0	1058.1	1059.2	1059.1	1058.9	1058.6	1058.4	1058.2	1058.4
135°	1097.7	1100.1	1102.4	1104.8	1106.0	1105.8	1105.3	1104.8	1104.3	1103.8	1104.3
137.5°	1141.3	1143.6	1146.0	1148.3	1149.5	1149.1	1148.4	1147.7	1147.0	1146.3	1147.0
140°	1183.5	1185.7	1187.8	1189.9	1191.0	1190.4	1189.2	1188.1	1186.9	1185.7	1186.9
142.5°	1222.6	1224.5	1226.4	1228.3	1229.2	1228.6	1227.4	1226.3	1225.1	1223.9	1225.1
145°	1258.5	1260.1	1261.8	1263.5	1264.3	1263.7	1262.5	1261.4	1260.2	1259.0	1260.2
147.5°	1291.0	1292.2	1293.3	1294.5	1295.1	1294.6	1293.7	1292.7	1291.8	1290.8	1291.8
150°	1319.9	1321.3	1322.7	1324.1	1324.8	1324.2	1323.0	1321.9	1320.7	1319.5	1320.7
152.5°	1346.4	1347.8	1349.3	1350.7	1351.4	1350.6	1348.9	1347.3	1345.6	1344.0	1345.6
155°	1369.8	1371.2	1372.7	1374.1	1374.8	1373.9	1372.0	1370.1	1368.2	1366.3	1368.2
157.5°	1390.2	1391.9	1393.5	1395.2	1396.0	1395.1	1393.2	1391.3	1389.4	1387.5	1389.4
160°	1408.0	1409.4	1410.9	1412.3	1413.0	1412.2	1410.5	1408.9	1407.2	1405.6	1407.2
162.5°	1424.2	1425.9	1427.5	1429.2	1430.0	1428.9	1426.8	1424.7	1422.5	1420.4	1422.5
165°	1437.0	1438.6	1440.3	1442.0	1442.8	1442.0	1440.3	1438.6	1437.0	1435.3	1437.0
167.5°	1448.6	1450.3	1451.9	1453.6	1454.4	1453.3	1451.2	1449.1	1447.0	1444.9	1447.0
170°	1457.1	1458.8	1460.4	1462.1	1462.9	1461.8	1459.7	1457.6	1455.5	1453.4	1455.5
172.5°	1463.5	1465.2	1466.8	1468.5	1469.3	1468.2	1466.1	1464.0	1461.9	1459.8	1461.9
175°	1467.8	1469.4	1471.1	1472.8	1473.6	1472.4	1470.0	1467.7	1465.3	1462.9	1465.3
177.5°	1468.8	1470.5	1472.1	1473.8	1474.6	1473.5	1471.4	1469.3	1467.2	1465.1	1467.2
180°	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3

TEST NUMBER: P1000068

CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0
2.5°	2000.9	1991.7	1989.0	1991.7	1989.0	1990.3	1981.1	1946.8	1956.0	1941.5	1949.5
5°	2114.3	2106.4	2089.3	2086.6	2084.0	2081.4	2068.2	2037.8	2026.0	2006.2	2004.8
7.5°	2222.5	2222.5	2209.3	2200.1	2188.2	2179.0	2161.8	2117.0	2098.5	2074.8	2061.6
10°	2329.3	2295.0	2309.5	2300.3	2271.3	2266.0	2234.4	2208.0	2172.4	2148.6	2127.5
12.5°	2405.8	2395.3	2382.1	2374.2	2366.2	2349.1	2328.0	2260.7	2242.3	2194.8	2171.0
15°	2403.2	2396.6	2400.5	2400.5	2397.9	2393.9	2376.8	2328.0	2296.3	2250.2	2209.3
17.5°	2273.9	2291.1	2308.2	2320.1	2346.5	2358.3	2374.2	2345.1	2325.4	2285.8	2242.3
20°	2048.4	2090.6	2140.7	2151.3	2175.0	2244.9	2276.6	2301.6	2309.5	2296.3	2260.7
22.5°	1734.5	1770.1	1891.4	1888.8	1923.1	2006.2	2098.5	2173.7	2233.0	2266.0	2252.8
25°	1358.5	1408.7	1473.3	1522.1	1634.2	1758.2	1873.0	1993.0	2095.9	2186.9	2209.3
27.5°	1027.5	1093.4	1144.9	1209.5	1266.2	1412.6	1560.4	1747.6	1867.7	2040.5	2130.2
30°	831.0	861.3	912.7	943.1	970.8	1082.9	1250.4	1435.0	1646.1	1845.3	1999.6
32.5°	709.6	730.7	769.0	782.2	811.2	886.4	991.9	1160.7	1378.3	1619.7	1822.8
35°	637.1	659.5	667.4	679.3	703.0	750.5	823.0	945.7	1142.2	1378.3	1621.0
37.5°	575.1	586.9	609.4	617.3	625.2	660.8	709.6	795.3	925.9	1119.8	1388.9
40°	531.5	538.1	550.0	556.6	561.9	586.9	630.5	688.5	784.8	932.5	1180.5
42.5°	485.4	493.3	501.2	509.1	515.7	535.5	561.9	617.3	681.9	794.0	973.4
45°	440.5	445.8	455.0	460.3	469.6	485.4	509.1	547.4	605.4	676.6	821.7
47.5°	399.7	406.2	410.2	416.8	423.4	440.5	463.0	488.0	535.5	605.4	710.9
50°	362.7	370.6	375.9	377.2	382.5	398.3	416.8	444.5	474.8	528.9	621.2
52.5°	336.3	337.7	341.6	346.9	345.6	354.8	372.0	393.1	424.7	468.2	535.5
55°	306.0	310.0	312.6	313.9	313.9	321.8	331.1	350.8	375.9	411.5	468.2
57.5°	267.8	271.7	279.6	282.3	286.2	290.2	294.1	307.3	328.4	362.7	408.9
60°	228.2	230.8	238.7	244.0	246.6	257.2	262.5	273.0	284.9	310.0	353.5
62.5°	183.3	186.0	189.9	195.2	200.5	216.3	229.5	240.1	249.3	266.4	302.0
65°	159.6	160.9	163.6	164.9	166.2	172.8	184.7	199.2	216.3	229.5	250.6
67.5°	138.5	139.8	141.1	143.8	145.1	146.4	151.7	155.6	172.8	191.3	207.1
70°	118.7	121.3	122.7	122.7	124.0	126.6	129.3	134.5	139.8	149.0	168.8
72.5°	100.2	101.6	104.2	104.2	104.2	106.8	109.5	112.1	114.8	120.0	127.9
75°	83.1	85.7	85.7	85.7	87.1	87.1	89.7	92.3	95.0	98.9	101.6
77.5°	68.6	68.6	68.6	68.6	69.9	69.9	71.2	73.9	75.2	76.5	79.1
80°	51.4	52.8	52.8	52.8	54.1	54.1	54.1	56.7	58.0	58.0	60.7
82.5°	38.3	38.3	38.3	39.6	38.3	39.6	39.6	40.9	39.6	40.9	42.2
85°	23.7	23.7	23.7	25.1	25.1	25.1	25.1	25.1	25.1	25.1	26.4
87.5°	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	13.2	11.9	11.9
90°	27.8	27.3	26.8	26.6	26.0	24.8	23.6	22.4	21.2	19.3	17.4
92.5°	28.2	28.0	27.7	27.6	27.4	26.9	26.4	26.0	25.5	24.8	24.1
95°	46.1	46.4	46.6	46.7	46.1	44.9	43.8	42.6	41.4	39.8	38.1
97.5°	58.0	57.7	57.5	57.4	57.0	56.3	55.6	54.9	54.2	50.4	46.6
100°	70.3	69.8	69.3	69.1	68.2	66.3	64.4	62.5	60.6	56.6	52.6
102.5°	76.2	75.5	74.8	74.4	73.1	70.5	67.9	65.3	62.7	105.7	148.6
105°	78.8	77.9	77.0	76.5	75.2	72.6	70.0	67.4	64.8	129.2	193.7
107.5°	81.0	80.0	79.1	78.6	77.3	74.7	72.1	69.5	66.9	146.5	226.1
110°	82.0	81.1	80.2	79.7	91.5	115.1	138.7	162.3	185.9	254.1	322.4

TEST NUMBER: P1000068

CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	83.6	82.9	82.2	81.8	132.7	234.4	336.2	437.9	539.7	543.7	547.7
115°	121.1	138.1	155.1	163.6	218.3	327.6	436.9	546.2	655.5	649.6	643.7
117.5°	406.3	468.2	530.1	561.0	577.9	611.6	645.4	679.1	712.9	708.9	704.9
120°	711.8	743.7	775.6	791.5	790.1	787.3	784.4	781.6	778.8	774.5	770.3
122.5°	848.4	848.2	847.9	847.8	847.1	845.7	844.2	842.8	841.4	836.7	832.0
125°	907.0	906.3	905.6	905.2	904.4	902.7	901.0	899.4	897.7	893.2	888.8
127.5°	961.0	960.8	960.5	960.4	959.2	956.9	954.5	952.2	949.8	946.3	942.7
130°	1010.8	1011.1	1011.3	1011.4	1010.1	1007.5	1004.9	1002.3	999.7	997.1	994.5
132.5°	1058.6	1058.9	1059.1	1059.2	1058.1	1056.0	1053.9	1051.8	1049.7	1047.1	1044.5
135°	1104.8	1105.3	1105.8	1106.0	1104.8	1102.4	1100.1	1097.7	1095.3	1093.2	1091.1
137.5°	1147.7	1148.4	1149.1	1149.5	1148.3	1146.0	1143.6	1141.3	1138.9	1136.5	1134.2
140°	1188.1	1189.2	1190.4	1191.0	1189.9	1187.8	1185.7	1183.5	1181.4	1178.8	1176.2
142.5°	1226.3	1227.4	1228.6	1229.2	1228.3	1226.4	1224.5	1222.6	1220.7	1217.6	1214.6
145°	1261.4	1262.5	1263.7	1264.3	1263.5	1261.8	1260.1	1258.5	1256.8	1252.8	1248.8
147.5°	1292.7	1293.7	1294.6	1295.1	1294.5	1293.3	1292.2	1291.0	1289.8	1285.8	1281.8
150°	1321.9	1323.0	1324.2	1324.8	1324.1	1322.7	1321.3	1319.9	1318.5	1314.7	1310.9
152.5°	1347.3	1348.9	1350.6	1351.4	1350.7	1349.3	1347.8	1346.4	1345.0	1341.5	1337.9
155°	1370.1	1372.0	1373.9	1374.8	1374.1	1372.7	1371.2	1369.8	1368.4	1365.6	1362.7
157.5°	1391.3	1393.2	1395.1	1396.0	1395.2	1393.5	1391.9	1390.2	1388.6	1386.5	1384.3
160°	1408.9	1410.5	1412.2	1413.0	1412.3	1410.9	1409.4	1408.0	1406.6	1405.2	1403.8
162.5°	1424.7	1426.8	1428.9	1430.0	1429.2	1427.5	1425.9	1424.2	1422.6	1421.4	1420.2
165°	1438.6	1440.3	1442.0	1442.8	1442.0	1440.3	1438.6	1437.0	1435.3	1434.6	1433.9
167.5°	1449.1	1451.2	1453.3	1454.4	1453.6	1451.9	1450.3	1448.6	1447.0	1446.3	1445.6
170°	1457.6	1459.7	1461.8	1462.9	1462.1	1460.4	1458.8	1457.1	1455.5	1455.0	1454.6
172.5°	1464.0	1466.1	1468.2	1469.3	1468.5	1466.8	1465.2	1463.5	1461.9	1461.4	1461.0
175°	1467.7	1470.0	1472.4	1473.6	1472.8	1471.1	1469.4	1467.8	1466.1	1465.6	1465.2
177.5°	1469.3	1471.4	1473.5	1474.6	1473.8	1472.1	1470.5	1468.8	1467.2	1467.0	1466.7
180°	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3

TEST NUMBER: P1000068

CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0
2.5°	1937.6	1931.0	1931.0	1927.0	1927.0	1905.9	1905.9	1912.5	1904.6	1895.4	1882.2
5°	1987.7	1973.2	1969.2	1964.0	1946.8	1920.4	1909.9	1905.9	1890.1	1870.3	1847.9
7.5°	2035.2	2011.4	1999.6	1987.7	1965.3	1928.3	1907.2	1892.7	1869.0	1838.7	1809.6
10°	2081.4	2051.0	2020.7	2006.2	1974.5	1928.3	1898.0	1874.3	1840.0	1799.1	1758.2
12.5°	2123.6	2060.2	2055.0	2026.0	1979.8	1927.0	1880.9	1846.6	1803.0	1755.6	1708.1
15°	2160.5	2095.9	2064.2	2037.8	1977.2	1911.2	1862.4	1820.2	1762.2	1708.1	1650.0
17.5°	2179.0	2109.0	2087.9	2044.4	1982.4	1896.7	1830.7	1779.3	1716.0	1651.4	1585.4
20°	2197.4	2115.6	2081.4	2051.0	1966.6	1869.0	1795.1	1735.8	1665.9	1589.4	1516.8
22.5°	2206.7	2115.6	2074.8	2032.5	1950.8	1838.7	1751.6	1681.7	1599.9	1522.1	1435.0
25°	2190.8	2107.7	2058.9	2015.4	1923.1	1801.7	1701.5	1622.3	1535.3	1446.9	1358.5
27.5°	2151.3	2089.3	2032.5	1987.7	1884.8	1754.2	1648.7	1559.0	1469.3	1370.4	1280.7
30°	2077.4	2049.7	2004.8	1954.7	1842.6	1712.0	1586.7	1494.4	1395.5	1296.6	1202.9
32.5°	1962.6	1986.4	1957.4	1913.8	1792.5	1654.0	1520.8	1427.1	1319.0	1212.1	1126.4
35°	1822.8	1907.2	1891.4	1861.1	1739.7	1592.0	1458.8	1345.4	1237.2	1129.0	1043.3
37.5°	1669.8	1797.8	1811.0	1792.5	1679.1	1528.7	1382.3	1271.5	1160.7	1051.2	964.2
40°	1460.1	1656.6	1698.8	1706.8	1615.8	1452.2	1299.2	1191.0	1081.6	974.7	869.2
42.5°	1267.5	1515.5	1568.3	1601.2	1535.3	1377.0	1222.7	1102.7	994.5	898.2	792.7
45°	1086.8	1345.4	1431.1	1473.3	1444.3	1291.3	1131.7	1019.6	920.6	832.3	730.7
47.5°	900.9	1160.7	1280.7	1348.0	1348.0	1204.2	1044.6	933.8	838.9	763.7	674.0
50°	776.9	993.2	1117.2	1205.5	1229.3	1115.9	965.5	857.3	767.6	685.9	617.3
52.5°	662.1	856.0	958.9	1051.2	1119.8	1020.9	877.1	779.5	691.1	614.6	560.6
55°	572.4	717.5	811.2	912.7	989.2	924.6	791.4	696.4	619.9	556.6	510.4
57.5°	486.7	613.3	689.8	779.5	861.3	812.5	705.7	623.9	556.6	501.2	460.3
60°	414.2	517.0	576.4	646.3	747.9	713.6	625.2	550.0	495.9	445.8	411.5
62.5°	352.2	433.9	484.1	534.2	626.5	610.7	542.1	484.1	437.9	395.7	366.7
65°	288.9	356.1	395.7	439.2	513.1	519.7	464.3	423.4	381.2	344.3	317.9
67.5°	233.5	286.2	321.8	358.8	418.1	436.6	398.3	364.0	328.4	298.1	274.3
70°	188.6	225.5	251.9	280.9	329.7	352.2	332.4	308.6	279.6	254.6	233.5
72.5°	149.0	172.8	188.6	211.0	250.6	273.0	271.7	250.6	229.5	212.4	195.2
75°	109.5	127.9	141.1	155.6	187.3	208.4	213.7	204.4	183.3	170.1	157.0
77.5°	83.1	93.6	100.2	110.8	133.2	151.7	159.6	157.0	142.4	131.9	122.7
80°	63.3	65.9	68.6	72.5	91.0	108.2	113.4	112.1	104.2	100.2	89.7
82.5°	44.8	46.2	47.5	48.8	55.4	69.9	75.2	77.8	71.2	67.3	58.0
85°	26.4	27.7	27.7	30.3	31.7	35.6	44.8	44.8	43.5	38.3	36.9
87.5°	13.2	13.2	11.9	11.9	13.2	14.5	17.1	19.8	17.1	15.8	14.5
90°	15.5	13.6	12.7	11.4	8.8	6.3	3.7	1.1	3.7	6.3	8.8
92.5°	23.4	22.7	22.3	22.8	23.7	24.7	25.6	26.6	25.6	24.7	23.7
95°	36.5	34.8	34.0	37.9	45.7	53.5	61.3	69.1	61.3	53.5	45.7
97.5°	42.9	39.1	37.2	46.9	66.2	85.6	104.9	124.3	104.9	85.6	66.2
100°	48.5	44.5	42.5	58.7	91.0	123.3	155.7	188.0	155.7	123.3	91.0
102.5°	191.6	234.5	256.0	256.2	256.7	257.2	257.7	258.2	257.7	257.2	256.7
105°	258.1	322.6	354.8	351.3	344.2	337.1	330.1	323.0	330.1	337.1	344.2
107.5°	305.6	385.2	425.0	422.0	416.1	410.2	404.3	398.4	404.3	410.2	416.1
110°	390.6	458.9	493.0	490.5	485.5	480.6	475.6	470.6	475.6	480.6	485.5

TEST NUMBER: P1000068

CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	551.8	555.8	557.8	555.7	551.4	547.1	542.9	538.6	542.9	547.1	551.4
115°	637.8	631.9	628.9	626.9	622.9	618.9	614.9	610.9	614.9	618.9	622.9
117.5°	700.8	696.8	694.8	692.4	687.7	683.0	678.3	673.6	678.3	683.0	687.7
120°	766.0	761.7	759.6	757.8	754.3	750.8	747.2	743.7	747.2	750.8	754.3
122.5°	827.3	822.6	820.2	818.3	814.5	810.8	807.0	803.2	807.0	810.8	814.5
125°	884.3	879.8	877.6	876.1	873.0	869.9	866.8	863.7	866.8	869.9	873.0
127.5°	939.2	935.7	933.9	932.2	928.9	925.6	922.3	919.0	922.3	925.6	928.9
130°	991.9	989.3	988.0	986.1	982.3	978.6	974.8	971.0	974.8	978.6	982.3
132.5°	1041.9	1039.3	1038.0	1036.5	1033.4	1030.3	1027.3	1024.2	1027.3	1030.3	1033.4
135°	1089.0	1086.9	1085.8	1083.9	1080.1	1076.4	1072.6	1068.8	1072.6	1076.4	1080.1
137.5°	1131.8	1129.5	1128.3	1126.9	1124.0	1121.2	1118.3	1115.5	1118.3	1121.2	1124.0
140°	1173.6	1171.0	1169.7	1168.8	1166.9	1165.0	1163.1	1161.2	1163.1	1165.0	1166.9
142.5°	1211.5	1208.4	1206.9	1206.1	1204.4	1202.8	1201.1	1199.5	1201.1	1202.8	1204.4
145°	1244.8	1240.8	1238.8	1238.9	1239.1	1239.4	1239.6	1239.8	1239.6	1239.4	1239.1
147.5°	1277.7	1273.7	1271.7	1272.1	1272.8	1273.5	1274.2	1274.9	1274.2	1273.5	1272.8
150°	1307.2	1303.4	1301.5	1302.3	1304.0	1305.6	1307.3	1308.9	1307.3	1305.6	1304.0
152.5°	1334.4	1330.9	1329.1	1330.0	1331.9	1333.8	1335.7	1337.6	1335.7	1333.8	1331.9
155°	1359.9	1357.0	1355.6	1356.7	1358.8	1360.9	1363.1	1365.2	1363.1	1360.9	1358.8
157.5°	1382.2	1380.1	1379.0	1379.9	1381.8	1383.7	1385.6	1387.5	1385.6	1383.7	1381.8
160°	1402.4	1401.0	1400.3	1401.0	1402.4	1403.8	1405.2	1406.6	1405.2	1403.8	1402.4
162.5°	1419.1	1417.9	1417.3	1418.0	1419.4	1420.8	1422.2	1423.6	1422.2	1420.8	1419.4
165°	1433.2	1432.5	1432.1	1432.8	1434.2	1435.7	1437.1	1438.5	1437.1	1435.7	1434.2
167.5°	1444.9	1444.2	1443.8	1444.5	1445.9	1447.4	1448.8	1450.2	1448.8	1447.4	1445.9
170°	1454.1	1453.6	1453.4	1454.1	1455.5	1457.0	1458.4	1459.8	1458.4	1457.0	1455.5
172.5°	1460.5	1460.0	1459.8	1460.5	1461.9	1463.3	1464.7	1466.1	1464.7	1463.3	1461.9
175°	1464.7	1464.2	1464.0	1464.8	1466.5	1468.1	1469.8	1471.4	1469.8	1468.1	1466.5
177.5°	1466.5	1466.2	1466.1	1466.9	1468.6	1470.3	1471.9	1473.6	1471.9	1470.3	1468.6
180°	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3

TEST NUMBER: P1000068

CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0
2.5°	1876.9	1878.2	1882.2	1870.3	1851.8	1843.9	1820.2	1816.2	1812.3	1812.3	1816.2
5°	1834.7	1829.4	1830.7	1808.3	1781.9	1766.1	1733.1	1738.4	1721.3	1710.7	1713.4
7.5°	1788.5	1774.0	1772.7	1743.7	1710.7	1681.7	1647.4	1639.5	1623.7	1605.2	1597.3
10°	1730.5	1719.9	1700.2	1667.2	1625.0	1601.2	1555.1	1527.4	1523.4	1495.7	1485.2
12.5°	1671.1	1652.7	1632.9	1586.7	1539.2	1501.0	1466.7	1436.4	1415.3	1391.5	1375.7
15°	1602.6	1580.1	1557.7	1508.9	1453.5	1415.3	1363.8	1319.0	1257.0	1208.2	1180.5
17.5°	1527.4	1502.3	1472.0	1417.9	1363.8	1311.1	1216.1	1163.3	1119.8	1090.8	1073.6
20°	1449.6	1421.9	1391.5	1337.4	1243.8	1151.5	1098.7	1057.8	1031.4	1002.4	981.3
22.5°	1367.8	1338.8	1305.8	1221.4	1122.5	1057.8	1016.9	978.7	940.4	924.6	914.1
25°	1291.3	1264.9	1222.7	1107.9	1030.1	970.8	924.6	899.5	879.8	858.7	838.9
27.5°	1212.1	1163.3	1104.0	1007.7	958.9	898.2	865.3	846.8	812.5	798.0	788.7
30°	1117.2	1063.1	1006.4	937.8	881.1	838.9	808.5	778.2	758.4	743.9	728.1
32.5°	1020.9	969.5	933.8	862.6	820.4	776.9	747.9	729.4	700.4	691.1	684.6
35°	937.8	894.3	862.6	804.6	765.0	725.4	704.3	676.6	658.2	641.0	630.5
37.5°	856.0	832.3	799.3	750.5	708.3	676.6	647.6	638.4	613.3	604.1	593.5
40°	799.3	763.7	736.0	693.8	658.2	623.9	605.4	584.3	567.2	552.7	548.7
42.5°	730.7	704.3	688.5	642.3	605.4	585.6	563.2	539.5	526.3	514.4	499.9
45°	679.3	655.5	633.1	596.2	563.2	538.1	518.4	502.5	480.1	474.8	452.4
47.5°	625.2	601.5	584.3	547.4	517.0	493.3	478.8	457.7	439.2	427.3	416.8
50°	571.1	551.3	535.5	503.9	477.5	452.4	432.6	411.5	403.6	383.8	377.2
52.5°	519.7	506.5	489.3	459.0	432.6	411.5	390.4	373.3	361.4	350.8	342.9
55°	476.2	455.0	447.1	414.2	391.7	369.3	350.8	340.3	325.8	319.2	312.6
57.5°	427.3	415.5	402.3	377.2	352.2	331.1	317.9	302.0	294.1	286.2	280.9
60°	385.1	368.0	357.4	336.3	313.9	294.1	282.3	270.4	259.8	253.2	242.7
62.5°	336.3	323.2	316.6	294.1	275.7	257.2	246.6	234.8	226.9	215.0	201.8
65°	294.1	283.6	275.7	257.2	240.1	222.9	212.4	197.8	187.3	180.7	179.4
67.5°	257.2	249.3	237.4	220.3	203.1	189.9	178.1	166.2	164.9	162.2	162.2
70°	216.3	208.4	201.8	183.3	168.8	154.3	151.7	147.7	143.8	142.4	139.8
72.5°	180.7	174.1	166.2	150.4	135.9	131.9	129.3	126.6	122.7	121.3	120.0
75°	146.4	137.2	131.9	117.4	113.4	110.8	108.2	104.2	101.6	100.2	97.6
77.5°	112.1	102.9	102.9	95.0	92.3	88.4	85.7	83.1	81.8	79.1	79.1
80°	79.1	79.1	76.5	72.5	68.6	67.3	63.3	62.0	60.7	62.0	59.4
82.5°	58.0	52.8	52.8	50.1	47.5	46.2	43.5	43.5	42.2	42.2	42.2
85°	33.0	33.0	31.7	29.0	27.7	27.7	26.4	26.4	25.1	25.1	23.7
87.5°	13.2	11.9	13.2	11.9	11.9	10.6	10.6	10.6	9.2	10.6	9.2
90°	11.4	12.7	13.6	15.5	17.4	19.3	21.2	22.4	23.6	24.8	26.0
92.5°	22.8	22.3	22.7	23.4	24.1	24.8	25.5	26.0	26.4	26.9	27.4
95°	37.9	34.0	34.8	36.5	38.1	39.8	41.4	42.6	43.8	44.9	46.1
97.5°	46.9	37.2	39.1	42.9	46.6	50.4	54.2	54.9	55.6	56.3	57.0
100°	58.7	42.5	44.5	48.5	52.6	56.6	60.6	62.5	64.4	66.3	68.2
102.5°	256.2	256.0	234.5	191.6	148.6	105.7	62.7	65.3	67.9	70.5	73.1
105°	351.3	354.8	322.6	258.1	193.7	129.2	64.8	67.4	70.0	72.6	75.2
107.5°	422.0	425.0	385.2	305.6	226.1	146.5	66.9	69.5	72.1	74.7	77.3
110°	490.5	493.0	458.9	390.6	322.4	254.1	185.9	162.3	138.7	115.1	91.5

TEST NUMBER: P1000068

CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	555.7	557.8	555.8	551.8	547.7	543.7	539.7	437.9	336.2	234.4	132.7
115°	626.9	628.9	631.9	637.8	643.7	649.6	655.5	546.2	436.9	327.6	218.3
117.5°	692.4	694.8	696.8	700.8	704.9	708.9	712.9	679.1	645.4	611.6	577.9
120°	757.8	759.6	761.7	766.0	770.3	774.5	778.8	781.6	784.4	787.3	790.1
122.5°	818.3	820.2	822.6	827.3	832.0	836.7	841.4	842.8	844.2	845.7	847.1
125°	876.1	877.6	879.8	884.3	888.8	893.2	897.7	899.4	901.0	902.7	904.4
127.5°	932.2	933.9	935.7	939.2	942.7	946.3	949.8	952.2	954.5	956.9	959.2
130°	986.1	988.0	989.3	991.9	994.5	997.1	999.7	1002.3	1004.9	1007.5	1010.1
132.5°	1036.5	1038.0	1039.3	1041.9	1044.5	1047.1	1049.7	1051.8	1053.9	1056.0	1058.1
135°	1083.9	1085.8	1086.9	1089.0	1091.1	1093.2	1095.3	1097.7	1100.1	1102.4	1104.8
137.5°	1126.9	1128.3	1129.5	1131.8	1134.2	1136.5	1138.9	1141.3	1143.6	1146.0	1148.3
140°	1168.8	1169.7	1171.0	1173.6	1176.2	1178.8	1181.4	1183.5	1185.7	1187.8	1189.9
142.5°	1206.1	1206.9	1208.4	1211.5	1214.6	1217.6	1220.7	1222.6	1224.5	1226.4	1228.3
145°	1238.9	1238.8	1240.8	1244.8	1248.8	1252.8	1256.8	1258.5	1260.1	1261.8	1263.5
147.5°	1272.1	1271.7	1273.7	1277.7	1281.8	1285.8	1289.8	1291.0	1292.2	1293.3	1294.5
150°	1302.3	1301.5	1303.4	1307.2	1310.9	1314.7	1318.5	1319.9	1321.3	1322.7	1324.1
152.5°	1330.0	1329.1	1330.9	1334.4	1337.9	1341.5	1345.0	1346.4	1347.8	1349.3	1350.7
155°	1356.7	1355.6	1357.0	1359.9	1362.7	1365.6	1368.4	1369.8	1371.2	1372.7	1374.1
157.5°	1379.9	1379.0	1380.1	1382.2	1384.3	1386.5	1388.6	1390.2	1391.9	1393.5	1395.2
160°	1401.0	1400.3	1401.0	1402.4	1403.8	1405.2	1406.6	1408.0	1409.4	1410.9	1412.3
162.5°	1418.0	1417.3	1417.9	1419.1	1420.2	1421.4	1422.6	1424.2	1425.9	1427.5	1429.2
165°	1432.8	1432.1	1432.5	1433.2	1433.9	1434.6	1435.3	1437.0	1438.6	1440.3	1442.0
167.5°	1444.5	1443.8	1444.2	1444.9	1445.6	1446.3	1447.0	1448.6	1450.3	1451.9	1453.6
170°	1454.1	1453.4	1453.6	1454.1	1454.6	1455.0	1455.5	1457.1	1458.8	1460.4	1462.1
172.5°	1460.5	1459.8	1460.0	1460.5	1461.0	1461.4	1461.9	1463.5	1465.2	1466.8	1468.5
175°	1464.8	1464.0	1464.2	1464.7	1465.2	1465.6	1466.1	1467.8	1469.4	1471.1	1472.8
177.5°	1466.9	1466.1	1466.2	1466.5	1466.7	1467.0	1467.2	1468.8	1470.5	1472.1	1473.8
180°	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3

TEST NUMBER: P1000068

CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0
2.5°	1816.2	1813.6	1805.7	1808.3	1804.4	1804.4	1801.7	1801.7	1801.7	1808.3	1804.4
5°	1717.3	1708.1	1698.8	1694.9	1690.9	1687.0	1687.0	1685.7	1697.5	1694.9	1705.4
7.5°	1594.6	1592.0	1573.5	1573.5	1566.9	1564.3	1570.9	1572.2	1573.5	1576.2	1582.8
10°	1485.2	1478.6	1452.2	1454.8	1450.9	1445.6	1449.6	1446.9	1456.2	1458.8	1456.2
12.5°	1355.9	1344.0	1315.0	1300.5	1284.7	1272.8	1287.3	1276.8	1313.7	1324.3	1353.3
15°	1184.4	1162.0	1142.2	1142.2	1127.7	1117.2	1123.8	1135.6	1143.6	1155.4	1160.7
17.5°	1069.7	1060.5	1044.6	1035.4	1031.4	1027.5	1027.5	1032.8	1049.9	1048.6	1059.1
20°	972.1	966.8	958.9	947.0	943.1	940.4	940.4	940.4	952.3	962.9	969.5
22.5°	904.8	900.9	895.6	879.8	871.8	869.2	875.8	879.8	889.0	896.9	903.5
25°	837.6	828.3	819.1	813.8	809.9	809.9	812.5	813.8	817.8	821.7	829.6
27.5°	782.2	775.6	762.4	747.9	747.9	743.9	746.5	749.2	758.4	771.6	778.2
30°	720.2	718.8	713.6	708.3	703.0	700.4	705.7	709.6	710.9	717.5	717.5
32.5°	675.3	666.1	656.9	651.6	648.9	647.6	648.9	654.2	654.2	662.1	671.4
35°	630.5	625.2	616.0	606.7	604.1	597.5	602.8	608.0	617.3	621.2	625.2
37.5°	581.7	575.1	571.1	568.5	563.2	564.5	560.6	568.5	576.4	575.1	577.7
40°	544.7	532.9	521.0	519.7	518.4	517.0	517.0	518.4	523.6	528.9	536.8
42.5°	497.3	493.3	482.7	472.2	469.6	466.9	464.3	469.6	480.1	489.3	493.3
45°	448.5	443.2	440.5	432.6	427.3	426.0	423.4	430.0	439.2	443.2	445.8
47.5°	403.6	402.3	394.4	395.7	391.7	393.1	391.7	395.7	395.7	399.7	402.3
50°	373.3	369.3	365.4	362.7	358.8	358.8	357.4	358.8	364.0	369.3	368.0
52.5°	342.9	336.3	335.0	333.7	331.1	333.7	329.7	331.1	336.3	339.0	337.7
55°	307.3	306.0	303.4	300.7	299.4	298.1	298.1	298.1	303.4	307.3	308.6
57.5°	279.6	273.0	267.8	267.8	262.5	261.2	263.8	265.1	269.1	271.7	274.3
60°	241.4	238.7	230.8	226.9	219.0	217.6	217.6	222.9	229.5	238.7	241.4
62.5°	200.5	196.5	195.2	195.2	195.2	195.2	195.2	195.2	195.2	196.5	196.5
65°	178.1	179.4	178.1	176.7	178.1	178.1	176.7	176.7	176.7	178.1	179.4
67.5°	159.6	158.3	159.6	158.3	157.0	157.0	155.6	157.0	158.3	159.6	159.6
70°	138.5	138.5	137.2	138.5	137.2	135.9	134.5	134.5	137.2	138.5	138.5
72.5°	118.7	118.7	117.4	117.4	114.8	114.8	116.1	114.8	114.8	118.7	118.7
75°	98.9	97.6	96.3	96.3	95.0	95.0	95.0	93.6	96.3	96.3	97.6
77.5°	77.8	77.8	77.8	76.5	76.5	75.2	75.2	76.5	76.5	76.5	77.8
80°	59.4	59.4	59.4	58.0	56.7	56.7	56.7	56.7	56.7	58.0	56.7
82.5°	40.9	40.9	40.9	40.9	40.9	39.6	39.6	39.6	40.9	40.9	39.6
85°	25.1	23.7	25.1	25.1	23.7	25.1	23.7	23.7	22.4	22.4	23.7
87.5°	10.6	9.2	7.9	7.9	9.2	7.9	7.9	7.9	9.2	7.9	7.9
90°	26.6	26.8	27.3	27.8	28.2	28.7	28.2	27.8	27.3	26.8	26.6
92.5°	27.6	27.7	28.0	28.2	28.5	28.7	28.5	28.2	28.0	27.7	27.6
95°	46.7	46.6	46.4	46.1	45.9	45.7	45.9	46.1	46.4	46.6	46.7
97.5°	57.4	57.5	57.7	58.0	58.2	58.4	58.2	58.0	57.7	57.5	57.4
100°	69.1	69.3	69.8	70.3	70.7	71.2	70.7	70.3	69.8	69.3	69.1
102.5°	74.4	74.8	75.5	76.2	76.9	77.6	76.9	76.2	75.5	74.8	74.4
105°	76.5	77.0	77.9	78.8	79.8	80.7	79.8	78.8	77.9	77.0	76.5
107.5°	78.6	79.1	80.0	81.0	81.9	82.9	81.9	81.0	80.0	79.1	78.6
110°	79.7	80.2	81.1	82.0	83.0	83.9	83.0	82.0	81.1	80.2	79.7

TEST NUMBER: P1000068

CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	81.8	82.2	82.9	83.6	84.3	85.0	84.3	83.6	82.9	82.2	81.8
115°	163.6	155.1	138.1	121.1	104.1	87.1	104.1	121.1	138.1	155.1	163.6
117.5°	561.0	530.1	468.2	406.3	344.5	282.6	344.5	406.3	468.2	530.1	561.0
120°	791.5	775.6	743.7	711.8	680.0	648.1	680.0	711.8	743.7	775.6	791.5
122.5°	847.8	847.9	848.2	848.4	848.7	848.9	848.7	848.4	848.2	847.9	847.8
125°	905.2	905.6	906.3	907.0	907.7	908.4	907.7	907.0	906.3	905.6	905.2
127.5°	960.4	960.5	960.8	961.0	961.3	961.5	961.3	961.0	960.8	960.5	960.4
130°	1011.4	1011.3	1011.1	1010.8	1010.6	1010.4	1010.6	1010.8	1011.1	1011.3	1011.4
132.5°	1059.2	1059.1	1058.9	1058.6	1058.4	1058.2	1058.4	1058.6	1058.9	1059.1	1059.2
135°	1106.0	1105.8	1105.3	1104.8	1104.3	1103.8	1104.3	1104.8	1105.3	1105.8	1106.0
137.5°	1149.5	1149.1	1148.4	1147.7	1147.0	1146.3	1147.0	1147.7	1148.4	1149.1	1149.5
140°	1191.0	1190.4	1189.2	1188.1	1186.9	1185.7	1186.9	1188.1	1189.2	1190.4	1191.0
142.5°	1229.2	1228.6	1227.4	1226.3	1225.1	1223.9	1225.1	1226.3	1227.4	1228.6	1229.2
145°	1264.3	1263.7	1262.5	1261.4	1260.2	1259.0	1260.2	1261.4	1262.5	1263.7	1264.3
147.5°	1295.1	1294.6	1293.7	1292.7	1291.8	1290.8	1291.8	1292.7	1293.7	1294.6	1295.1
150°	1324.8	1324.2	1323.0	1321.9	1320.7	1319.5	1320.7	1321.9	1323.0	1324.2	1324.8
152.5°	1351.4	1350.6	1348.9	1347.3	1345.6	1344.0	1345.6	1347.3	1348.9	1350.6	1351.4
155°	1374.8	1373.9	1372.0	1370.1	1368.2	1366.3	1368.2	1370.1	1372.0	1373.9	1374.8
157.5°	1396.0	1395.1	1393.2	1391.3	1389.4	1387.5	1389.4	1391.3	1393.2	1395.1	1396.0
160°	1413.0	1412.2	1410.5	1408.9	1407.2	1405.6	1407.2	1408.9	1410.5	1412.2	1413.0
162.5°	1430.0	1428.9	1426.8	1424.7	1422.5	1420.4	1422.5	1424.7	1426.8	1428.9	1430.0
165°	1442.8	1442.0	1440.3	1438.6	1437.0	1435.3	1437.0	1438.6	1440.3	1442.0	1442.8
167.5°	1454.4	1453.3	1451.2	1449.1	1447.0	1444.9	1447.0	1449.1	1451.2	1453.3	1454.4
170°	1462.9	1461.8	1459.7	1457.6	1455.5	1453.4	1455.5	1457.6	1459.7	1461.8	1462.9
172.5°	1469.3	1468.2	1466.1	1464.0	1461.9	1459.8	1461.9	1464.0	1466.1	1468.2	1469.3
175°	1473.6	1472.4	1470.0	1467.7	1465.3	1462.9	1465.3	1467.7	1470.0	1472.4	1473.6
177.5°	1474.6	1473.5	1471.4	1469.3	1467.2	1465.1	1467.2	1469.3	1471.4	1473.5	1474.6
180°	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3

TEST NUMBER: P1000068

CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0	1898.0
2.5°	1808.3	1814.9	1812.3	1797.8	1812.3	1816.2	1824.1	1832.1	1837.3	1845.3	1851.8
5°	1694.9	1708.1	1716.0	1708.1	1734.5	1738.4	1756.9	1767.4	1783.3	1796.5	1807.0
7.5°	1588.1	1598.6	1614.4	1617.1	1632.9	1651.4	1677.7	1704.1	1729.2	1742.4	1754.2
10°	1473.3	1491.8	1515.5	1510.2	1534.0	1563.0	1590.7	1632.9	1654.0	1677.7	1698.8
12.5°	1358.5	1370.4	1402.1	1412.6	1446.9	1469.3	1507.6	1534.0	1586.7	1614.4	1632.9
15°	1158.1	1206.9	1246.4	1293.9	1338.8	1381.0	1415.3	1462.7	1508.9	1530.0	1560.4
17.5°	1067.1	1089.5	1113.2	1137.0	1195.0	1270.2	1330.9	1382.3	1421.9	1449.6	1485.2
20°	972.1	994.5	1020.9	1043.3	1078.9	1133.0	1208.2	1296.6	1344.0	1373.1	1407.4
22.5°	904.8	925.9	943.1	962.9	990.6	1030.1	1086.8	1196.3	1259.6	1295.2	1325.6
25°	832.3	858.7	877.1	891.6	914.1	957.6	1003.7	1065.7	1179.2	1206.9	1249.1
27.5°	782.2	790.1	811.2	833.6	856.0	879.8	927.2	980.0	1056.5	1117.2	1168.6
30°	722.8	742.6	762.4	771.6	791.4	825.7	854.7	911.4	970.8	1018.3	1080.2
32.5°	678.0	689.8	703.0	725.4	743.9	767.6	796.7	844.1	894.3	924.6	972.1
35°	627.8	635.7	663.4	672.7	691.1	714.9	743.9	780.8	834.9	858.7	892.9
37.5°	580.4	598.8	606.7	627.8	645.0	668.7	689.8	732.0	767.6	795.3	827.0
40°	543.4	551.3	565.8	584.3	598.8	617.3	643.7	674.0	712.2	734.7	762.4
42.5°	498.6	505.2	523.6	534.2	557.9	575.1	590.9	627.8	662.1	679.3	707.0
45°	449.8	465.6	477.5	498.6	511.8	532.9	552.7	579.0	610.7	630.5	646.3
47.5°	407.6	423.4	435.3	455.0	476.2	485.4	506.5	534.2	563.2	579.0	601.5
50°	373.3	378.5	401.0	410.2	432.6	451.1	465.6	489.3	521.0	530.2	548.7
52.5°	340.3	344.3	358.8	370.6	390.4	406.2	424.7	447.1	473.5	488.0	502.5
55°	311.3	313.9	320.5	333.7	346.9	366.7	383.8	404.9	427.3	443.2	456.4
57.5°	278.3	283.6	288.9	296.8	310.0	328.4	346.9	366.7	385.1	395.7	412.8
60°	240.1	248.0	257.2	266.4	275.7	288.9	310.0	328.4	345.6	354.8	368.0
62.5°	199.2	215.0	222.9	233.5	241.4	253.2	269.1	290.2	302.0	313.9	324.5
65°	179.4	180.7	182.0	192.6	207.1	219.0	233.5	249.3	267.8	275.7	283.6
67.5°	159.6	160.9	163.6	164.9	170.1	183.3	199.2	216.3	230.8	236.1	244.0
70°	139.8	139.8	145.1	146.4	147.7	149.0	162.2	179.4	192.6	199.2	208.4
72.5°	118.7	120.0	122.7	124.0	126.6	129.3	133.2	142.4	158.3	164.9	175.4
75°	97.6	98.9	100.2	101.6	105.5	106.8	110.8	116.1	122.7	130.6	137.2
77.5°	77.8	77.8	79.1	81.8	84.4	85.7	89.7	92.3	95.0	98.9	104.2
80°	58.0	59.4	59.4	62.0	62.0	63.3	64.6	68.6	71.2	73.9	76.5
82.5°	39.6	42.2	42.2	42.2	43.5	44.8	46.2	46.2	48.8	50.1	54.1
85°	23.7	25.1	25.1	25.1	23.7	26.4	26.4	27.7	27.7	27.7	29.0
87.5°	9.2	7.9	9.2	9.2	9.2	10.6	9.2	9.2	10.6	11.9	11.9
90°	26.0	24.8	23.6	22.4	21.2	19.3	17.4	15.5	13.6	12.7	11.4
92.5°	27.4	26.9	26.4	26.0	25.5	24.8	24.1	23.4	22.7	22.3	22.8
95°	46.1	44.9	43.8	42.6	41.4	39.8	38.1	36.5	34.8	34.0	37.9
97.5°	57.0	56.3	55.6	54.9	54.2	50.4	46.6	42.9	39.1	37.2	46.9
100°	68.2	66.3	64.4	62.5	60.6	56.6	52.6	48.5	44.5	42.5	58.7
102.5°	73.1	70.5	67.9	65.3	62.7	105.7	148.6	191.6	234.5	256.0	256.2
105°	75.2	72.6	70.0	67.4	64.8	129.2	193.7	258.1	322.6	354.8	351.3
107.5°	77.3	74.7	72.1	69.5	66.9	146.5	226.1	305.6	385.2	425.0	422.0
110°	91.5	115.1	138.7	162.3	185.9	254.1	322.4	390.6	458.9	493.0	490.5

TEST NUMBER: P1000068

CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	132.7	234.4	336.2	437.9	539.7	543.7	547.7	551.8	555.8	557.8	555.7
115°	218.3	327.6	436.9	546.2	655.5	649.6	643.7	637.8	631.9	628.9	626.9
117.5°	577.9	611.6	645.4	679.1	712.9	708.9	704.9	700.8	696.8	694.8	692.4
120°	790.1	787.3	784.4	781.6	778.8	774.5	770.3	766.0	761.7	759.6	757.8
122.5°	847.1	845.7	844.2	842.8	841.4	836.7	832.0	827.3	822.6	820.2	818.3
125°	904.4	902.7	901.0	899.4	897.7	893.2	888.8	884.3	879.8	877.6	876.1
127.5°	959.2	956.9	954.5	952.2	949.8	946.3	942.7	939.2	935.7	933.9	932.2
130°	1010.1	1007.5	1004.9	1002.3	999.7	997.1	994.5	991.9	989.3	988.0	986.1
132.5°	1058.1	1056.0	1053.9	1051.8	1049.7	1047.1	1044.5	1041.9	1039.3	1038.0	1036.5
135°	1104.8	1102.4	1100.1	1097.7	1095.3	1093.2	1091.1	1089.0	1086.9	1085.8	1083.9
137.5°	1148.3	1146.0	1143.6	1141.3	1138.9	1136.5	1134.2	1131.8	1129.5	1128.3	1126.9
140°	1189.9	1187.8	1185.7	1183.5	1181.4	1178.8	1176.2	1173.6	1171.0	1169.7	1168.8
142.5°	1228.3	1226.4	1224.5	1222.6	1220.7	1217.6	1214.6	1211.5	1208.4	1206.9	1206.1
145°	1263.5	1261.8	1260.1	1258.5	1256.8	1252.8	1248.8	1244.8	1240.8	1238.8	1238.9
147.5°	1294.5	1293.3	1292.2	1291.0	1289.8	1285.8	1281.8	1277.7	1273.7	1271.7	1272.1
150°	1324.1	1322.7	1321.3	1319.9	1318.5	1314.7	1310.9	1307.2	1303.4	1301.5	1302.3
152.5°	1350.7	1349.3	1347.8	1346.4	1345.0	1341.5	1337.9	1334.4	1330.9	1329.1	1330.0
155°	1374.1	1372.7	1371.2	1369.8	1368.4	1365.6	1362.7	1359.9	1357.0	1355.6	1356.7
157.5°	1395.2	1393.5	1391.9	1390.2	1388.6	1386.5	1384.3	1382.2	1380.1	1379.0	1379.9
160°	1412.3	1410.9	1409.4	1408.0	1406.6	1405.2	1403.8	1402.4	1401.0	1400.3	1401.0
162.5°	1429.2	1427.5	1425.9	1424.2	1422.6	1421.4	1420.2	1419.1	1417.9	1417.3	1418.0
165°	1442.0	1440.3	1438.6	1437.0	1435.3	1434.6	1433.9	1433.2	1432.5	1432.1	1432.8
167.5°	1453.6	1451.9	1450.3	1448.6	1447.0	1446.3	1445.6	1444.9	1444.2	1443.8	1444.5
170°	1462.1	1460.4	1458.8	1457.1	1455.5	1455.0	1454.6	1454.1	1453.6	1453.4	1454.1
172.5°	1468.5	1466.8	1465.2	1463.5	1461.9	1461.4	1461.0	1460.5	1460.0	1459.8	1460.5
175°	1472.8	1471.1	1469.4	1467.8	1466.1	1465.6	1465.2	1464.7	1464.2	1464.0	1464.8
177.5°	1473.8	1472.1	1470.5	1468.8	1467.2	1467.0	1466.7	1466.5	1466.2	1466.1	1466.9
180°	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3

TEST NUMBER: P1000068

CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1898.0	1898.0	1898.0	1898.0
2.5°	1863.7	1859.8	1883.5	1909.9
5°	1825.5	1832.1	1862.4	1899.3
7.5°	1785.9	1800.4	1836.0	1884.8
10°	1730.5	1756.9	1811.0	1861.1
12.5°	1676.4	1712.0	1763.5	1822.8
15°	1615.8	1655.3	1718.6	1789.9
17.5°	1548.5	1593.3	1667.2	1745.0
20°	1477.3	1536.6	1614.4	1698.8
22.5°	1398.1	1469.3	1549.8	1643.4
25°	1321.6	1399.4	1479.9	1588.1
27.5°	1246.4	1322.9	1412.6	1522.1
30°	1171.3	1241.2	1337.4	1454.8
32.5°	1090.8	1163.3	1264.9	1384.9
35°	1016.9	1089.5	1184.4	1303.2
37.5°	937.8	1015.6	1106.6	1229.3
40°	845.5	936.5	1024.8	1142.2
42.5°	769.0	865.3	951.0	1061.8
45°	708.3	799.3	870.5	978.7
47.5°	651.6	725.4	798.0	898.2
50°	597.5	654.2	729.4	819.1
52.5°	542.1	590.9	655.5	739.9
55°	492.0	538.1	596.2	660.8
57.5°	445.8	478.8	536.8	594.9
60°	394.4	428.7	473.5	522.3
62.5°	350.8	377.2	419.4	460.3
65°	304.7	329.7	361.4	399.7
67.5°	262.5	284.9	310.0	340.3
70°	224.2	241.4	259.8	286.2
72.5°	183.3	201.8	219.0	240.1
75°	150.4	158.3	172.8	187.3
77.5°	116.1	126.6	134.5	146.4
80°	83.1	92.3	95.0	104.2
82.5°	55.4	60.7	65.9	68.6
85°	31.7	34.3	39.6	40.9
87.5°	11.9	13.2	15.8	18.5
90°	8.8	6.3	3.7	1.1
92.5°	23.7	24.7	25.6	26.6
95°	45.7	53.5	61.3	69.1
97.5°	66.2	85.6	104.9	124.3
100°	91.0	123.3	155.7	188.0
102.5°	256.7	257.2	257.7	258.2
105°	344.2	337.1	330.1	323.0
107.5°	416.1	410.2	404.3	398.4
110°	485.5	480.6	475.6	470.6

TEST NUMBER: P1000068

CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	551.4	547.1	542.9	538.6
115°	622.9	618.9	614.9	610.9
117.5°	687.7	683.0	678.3	673.6
120°	754.3	750.8	747.2	743.7
122.5°	814.5	810.8	807.0	803.2
125°	873.0	869.9	866.8	863.7
127.5°	928.9	925.6	922.3	919.0
130°	982.3	978.6	974.8	971.0
132.5°	1033.4	1030.3	1027.3	1024.2
135°	1080.1	1076.4	1072.6	1068.8
137.5°	1124.0	1121.2	1118.3	1115.5
140°	1166.9	1165.0	1163.1	1161.2
142.5°	1204.4	1202.8	1201.1	1199.5
145°	1239.1	1239.4	1239.6	1239.8
147.5°	1272.8	1273.5	1274.2	1274.9
150°	1304.0	1305.6	1307.3	1308.9
152.5°	1331.9	1333.8	1335.7	1337.6
155°	1358.8	1360.9	1363.1	1365.2
157.5°	1381.8	1383.7	1385.6	1387.5
160°	1402.4	1403.8	1405.2	1406.6
162.5°	1419.4	1420.8	1422.2	1423.6
165°	1434.2	1435.7	1437.1	1438.5
167.5°	1445.9	1447.4	1448.8	1450.2
170°	1455.5	1457.0	1458.4	1459.8
172.5°	1461.9	1463.3	1464.7	1466.1
175°	1466.5	1468.1	1469.8	1471.4
177.5°	1468.6	1470.3	1471.9	1473.6
180°	1468.3	1468.3	1468.3	1468.3

(END OF REPORT)