

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: P1000187

Luminaire Tested: SA2XXRDIP-B865D725UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1000187
REPORT IS A COMBINATION OF REPORTS P988747 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-B865D725UB2750-4F0-XX-W2A-A_3500K
Description: Define 2 Regressed Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721}
{m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

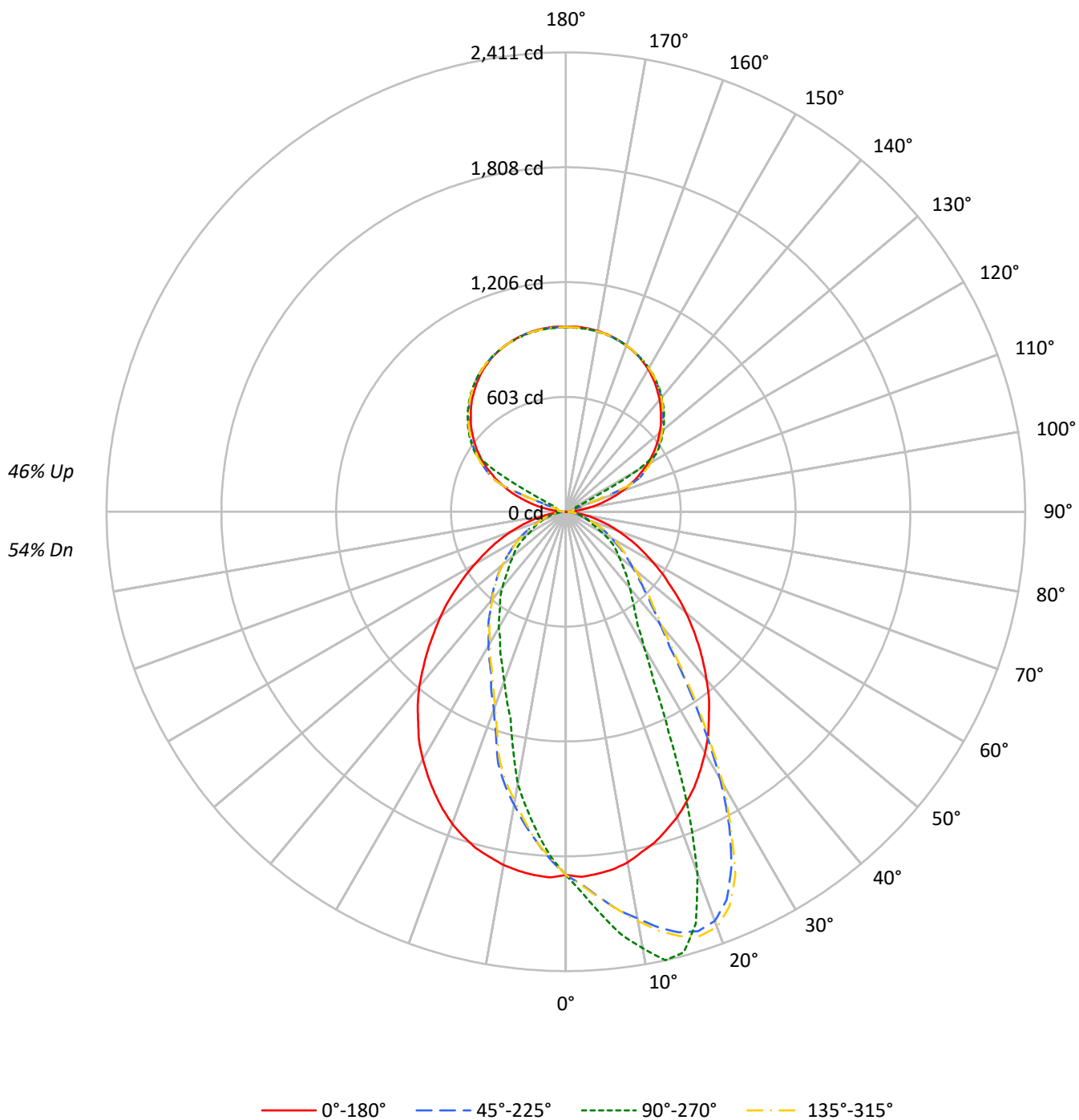
Lumens per Lamp: N/A
Luminaire Lumens: 6138.0 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 67.9
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: P1000187

CATALOG NUMBER: SA2XXRDIP-B865D725UB2750-4F0-XX-W2A-A_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1000187

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	60	60	60	54	54	54
1	99	95	92	89	92	89	86	83	76	74	72	65	63	62	54	53	52	47	47	47
2	91	84	79	74	85	79	74	69	68	64	61	58	55	53	49	47	45	41	41	41
3	84	75	68	63	78	70	64	59	61	56	52	52	49	46	44	41	39	36	36	36
4	77	67	60	54	72	63	56	51	55	49	45	47	43	40	40	37	35	31	31	31
5	71	60	53	47	66	56	50	45	49	44	40	43	39	35	36	33	31	28	28	28
6	66	55	47	41	61	51	44	39	45	39	35	39	35	32	33	30	28	25	25	25
7	61	50	42	37	57	47	40	35	41	36	32	36	32	28	31	28	25	23	23	23
8	57	45	38	33	53	43	36	31	38	32	29	33	29	26	29	25	23	21	21	21
9	53	42	34	30	50	39	33	28	35	30	26	31	26	23	27	23	21	19	19	19
10	50	38	32	27	47	36	30	26	32	27	24	28	24	21	25	22	19	17	17	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	30172	30172	30172	30172
5°	30242	32048	30348	25603
10°	29909	33873	30122	21143
15°	29261	33885	29757	15882
20°	28480	28009	29100	13103
25°	27533	17501	28129	11147
30°	26324	11206	27041	9597
35°	24854	8612	25659	8212
40°	23216	7238	24208	7183
45°	21467	6161	22362	6030
50°	19671	5235	20590	5216
55°	17682	4549	18636	4490
60°	15916	3469	16762	3428
65°	14270	2610	15116	2961
70°	12446	2086	13425	2413
75°	10522	1598	11485	1826
80°	8351	1087	8990	1198
85°	5806	560	6357	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 27600 cd/sqm

TEST NUMBER: P1000187

CATALOG NUMBER: SA2XXRDIP-B865D725UB2750-4F0-XX-W2A-A_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.8	2.9
10°-20°	504.7	8.2
20°-30°	649.5	10.6
30°-40°	616.2	10.0
40°-50°	528.1	8.6
50°-60°	402.2	6.6
60°-70°	253.6	4.1
70°-80°	126.5	2.1
80°-90°	34.2	0.6
90°-100°	32.0	0.5
100°-110°	119.2	1.9
110°-120°	316.1	5.1
120°-130°	524.2	8.5
130°-140°	556.8	9.1
140°-150°	517.5	8.4
150°-160°	416.1	6.8
160°-170°	268.1	4.4
170°-180°	92.3	1.5
0°-30°	1334.9	21.7
0°-40°	1951.1	31.8
0°-60°	2881.3	46.9
0°-90°	3295.7	53.7
90°-120°	467.2	7.6
90°-150°	2065.8	33.7
90°-180°	2842.0	46.3
0°-180°	6138.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1906	1906	1906	1906	1906	
5°	1907	2121	1914	1694	1907	181
15°	1798	2394	1828	1122	1798	506
25°	1595	1277	1629	813	1595	732
35°	1309	629	1351	600	1309	819
45°	983	437	1024	428	983	759
55°	664	303	699	299	664	598
65°	401	158	425	179	401	398
75°	188	84	205	95	188	204
85°	41	24	45	25	41	47
90°	1	19	1	19	1	5
95°	46	30	46	30	46	54
105°	213	53	213	53	213	228
115°	403	58	403	58	403	397
125°	570	600	570	600	570	509
135°	706	729	706	729	706	545
145°	819	831	819	831	819	512
155°	902	902	902	902	902	415
165°	950	948	950	948	950	268
175°	972	966	972	966	972	92
180°	970	970	970	970	970	

TEST NUMBER: P1000187

CATALOG NUMBER: SA2XXRDIP-B865D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1
2.5°	1918.0	1926.0	1930.0	1935.3	1947.2	1955.1	1967.0	1969.7	1968.4	1973.7	1959.1
5°	1907.4	1924.7	1940.6	1953.8	1975.0	1988.2	2002.8	2020.0	2024.0	2043.9	2032.0
7.5°	1892.9	1918.0	1940.6	1967.0	1998.8	2016.1	2038.6	2065.1	2077.0	2100.8	2107.5
10°	1869.0	1904.8	1943.2	1971.0	2014.7	2045.2	2066.4	2108.8	2136.6	2172.4	2167.1
12.5°	1830.6	1877.0	1928.6	1975.0	2032.0	2051.8	2091.6	2135.3	2171.0	2204.2	2233.3
15°	1797.5	1850.5	1907.4	1964.4	2029.3	2066.4	2106.1	2163.1	2201.5	2259.8	2285.0
17.5°	1752.5	1820.0	1887.6	1951.1	2028.0	2070.4	2119.4	2175.0	2232.0	2287.6	2307.5
20°	1706.1	1779.0	1851.8	1937.9	2025.3	2066.4	2116.7	2185.6	2241.2	2285.0	2285.0
22.5°	1650.5	1739.2	1822.7	1904.8	2000.2	2059.8	2111.4	2192.2	2232.0	2241.2	2205.5
25°	1594.8	1683.6	1775.0	1877.0	1985.6	2038.6	2096.9	2172.4	2185.6	2148.5	2055.8
27.5°	1528.6	1627.9	1731.3	1841.2	1955.1	2021.4	2074.3	2124.7	2099.5	2000.2	1855.8
30°	1461.0	1568.3	1684.9	1789.5	1927.3	1988.2	2033.3	2047.8	1968.4	1806.8	1620.0
32.5°	1390.8	1495.5	1618.7	1744.5	1883.6	1941.9	1971.0	1932.6	1786.9	1582.9	1355.1
35°	1308.7	1426.6	1555.1	1686.2	1824.0	1867.7	1884.9	1790.9	1604.1	1340.5	1114.0
37.5°	1234.5	1352.4	1490.2	1624.0	1757.8	1781.6	1764.4	1617.3	1380.2	1119.3	898.1
40°	1147.1	1272.9	1408.1	1557.7	1667.7	1674.3	1631.9	1441.2	1147.1	902.1	765.6
42.5°	1066.3	1193.5	1328.6	1480.9	1564.4	1541.8	1484.9	1234.5	957.7	777.5	667.6
45°	982.9	1103.4	1249.1	1384.2	1443.8	1390.8	1304.7	1038.5	804.0	668.9	584.2
47.5°	902.1	1014.7	1159.0	1288.8	1299.4	1239.8	1137.8	870.3	696.7	588.1	519.2
50°	822.6	935.2	1070.3	1177.6	1167.0	1084.9	969.6	756.4	605.3	519.2	462.3
52.5°	743.1	845.1	976.2	1061.0	1016.0	936.5	822.6	641.1	528.5	453.0	409.3
55°	663.6	759.0	871.6	941.8	870.3	778.9	698.1	549.7	458.3	397.4	364.3
57.5°	597.4	672.9	776.2	818.6	732.5	661.0	590.8	472.9	397.4	353.7	315.3
60°	524.5	593.4	678.2	703.4	614.6	556.3	496.7	400.0	340.4	302.0	276.8
62.5°	462.3	519.2	584.2	584.2	506.0	462.3	417.3	335.1	286.1	255.6	243.7
65°	401.4	442.4	488.8	483.5	417.3	378.8	343.1	276.8	239.8	218.6	206.6
67.5°	341.7	373.5	404.0	385.5	337.8	304.7	271.5	223.9	198.7	184.1	168.2
70°	287.4	312.6	328.5	311.3	263.6	235.8	211.9	180.1	160.3	141.7	132.5
72.5°	241.1	251.7	257.0	235.8	196.0	180.1	162.9	140.4	123.2	113.9	111.3
75°	188.1	197.4	193.4	177.5	144.4	132.5	119.2	103.3	99.3	94.0	91.4
77.5°	147.0	147.0	140.4	125.8	103.3	94.0	88.7	80.8	76.8	75.5	72.9
80°	104.6	103.3	99.3	83.5	70.2	64.9	64.9	59.6	58.3	55.6	55.6
82.5°	68.9	68.9	63.6	50.3	46.4	45.0	43.7	41.1	41.1	39.7	39.7
85°	41.1	38.4	31.8	27.8	26.5	26.5	25.2	23.8	25.2	23.8	23.8
87.5°	18.5	14.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
90°	0.7	2.4	4.1	5.8	7.5	8.4	9.0	10.3	11.5	12.8	14.0
92.5°	17.5	16.9	16.3	15.6	15.0	14.7	14.9	15.4	15.9	16.3	16.8
95°	45.6	40.4	35.3	30.1	25.0	22.4	23.0	24.1	25.2	26.3	27.4
97.5°	82.1	69.3	56.5	43.8	31.0	24.6	25.8	28.3	30.8	33.3	35.8
100°	124.2	102.8	81.5	60.1	38.8	28.1	29.4	32.1	34.7	37.4	40.0
102.5°	170.5	170.2	169.9	169.6	169.3	169.1	154.9	126.5	98.2	69.8	41.4
105°	213.3	218.0	222.6	227.3	232.0	234.3	213.0	170.5	127.9	85.4	42.8
107.5°	263.1	267.0	270.9	274.8	278.7	280.6	254.3	201.8	149.3	96.7	44.2
110°	310.8	314.1	317.3	320.6	323.9	325.5	303.0	257.9	212.9	167.8	122.8

TEST NUMBER: P1000187

CATALOG NUMBER: SA2XXRDIP-B865D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	355.7	358.5	361.3	364.1	366.9	368.3	367.0	364.3	361.7	359.0	356.4
115°	403.4	406.0	408.7	411.3	414.0	415.3	417.2	421.1	425.0	428.9	432.8
117.5°	444.8	447.9	451.0	454.1	457.2	458.8	460.1	462.8	465.4	468.1	470.7
120°	491.1	493.4	495.8	498.1	500.4	501.6	503.0	505.8	508.6	511.4	514.2
122.5°	530.4	532.9	535.4	537.9	540.4	541.6	543.2	546.3	549.4	552.5	555.6
125°	570.3	572.3	574.4	576.4	578.5	579.5	581.0	583.9	586.9	589.8	592.8
127.5°	606.8	609.0	611.2	613.3	615.5	616.6	617.8	620.1	622.5	624.8	627.2
130°	641.2	643.7	646.2	648.7	651.2	652.4	653.3	655.0	656.7	658.4	660.1
132.5°	676.3	678.3	680.3	682.4	684.4	685.4	686.3	688.0	689.7	691.4	693.1
135°	705.7	708.2	710.7	713.2	715.7	717.0	717.7	719.1	720.5	721.9	723.3
137.5°	736.6	738.5	740.3	742.2	744.1	745.0	745.8	747.3	748.9	750.4	752.0
140°	766.8	768.0	769.3	770.5	771.8	772.4	773.3	775.0	776.7	778.4	780.1
142.5°	792.0	793.1	794.2	795.3	796.4	796.9	797.9	800.0	802.0	804.1	806.1
145°	818.7	818.5	818.4	818.2	818.1	818.0	819.3	822.0	824.6	827.3	829.9
147.5°	841.8	841.3	840.9	840.4	839.9	839.7	841.0	843.7	846.4	849.0	851.7
150°	864.3	863.2	862.1	861.0	859.9	859.4	860.6	863.1	865.6	868.1	870.6
152.5°	883.2	882.0	880.7	879.5	878.2	877.6	878.8	881.1	883.4	885.8	888.1
155°	901.5	900.1	898.7	897.3	895.9	895.2	896.1	898.0	899.9	901.7	903.6
157.5°	916.2	915.0	913.7	912.5	911.2	910.6	911.3	912.7	914.1	915.5	916.9
160°	928.8	927.9	926.9	926.0	925.1	924.6	925.1	926.0	926.9	927.9	928.8
162.5°	940.1	939.1	938.2	937.2	936.3	935.8	936.2	937.0	937.8	938.6	939.4
165°	949.9	949.0	948.0	947.1	946.2	945.7	945.9	946.4	946.9	947.3	947.8
167.5°	957.6	956.7	955.7	954.8	953.9	953.4	953.6	954.1	954.6	955.0	955.5
170°	963.9	963.0	962.0	961.1	960.2	959.7	959.9	960.2	960.5	960.8	961.1
172.5°	968.1	967.2	966.2	965.3	964.4	963.9	964.1	964.4	964.7	965.0	965.3
175°	971.6	970.5	969.4	968.3	967.2	966.7	966.9	967.2	967.5	967.8	968.1
177.5°	973.0	971.9	970.8	969.7	968.6	968.1	968.2	968.3	968.5	968.6	968.8
180°	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5

TEST NUMBER: P1000187

CATALOG NUMBER: SA2XXRDIP-B865D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1
2.5°	1973.7	1976.3	1980.3	1998.8	2001.5	2006.8	2004.1	2004.1	2005.5	2002.8	2004.1
5°	2058.4	2062.4	2082.3	2104.8	2110.1	2104.8	2111.4	2120.7	2120.7	2120.7	2118.1
7.5°	2137.9	2152.5	2175.0	2208.1	2214.7	2221.4	2233.3	2225.3	2228.0	2239.9	2235.9
10°	2214.7	2235.9	2261.1	2288.9	2303.5	2312.8	2318.1	2330.0	2357.8	2326.0	2337.9
12.5°	2287.6	2318.1	2344.6	2375.0	2385.6	2397.5	2401.5	2412.1	2412.1	2410.8	2420.1
15°	2335.3	2363.1	2386.9	2406.8	2409.5	2406.8	2404.2	2405.5	2409.5	2393.6	2402.8
17.5°	2345.9	2348.5	2356.5	2348.5	2349.9	2322.0	2306.1	2302.2	2265.1	2266.4	2296.9
20°	2294.2	2249.2	2237.3	2193.6	2167.1	2095.5	2092.9	2073.0	1994.9	2018.7	2013.4
22.5°	2152.5	2075.7	1973.7	1923.3	1898.2	1822.7	1764.4	1723.3	1695.5	1667.7	1655.8
25°	1965.7	1841.2	1696.8	1597.5	1582.9	1512.7	1405.4	1355.1	1295.5	1276.9	1308.7
27.5°	1724.6	1563.0	1400.1	1247.8	1220.0	1156.4	1102.1	1066.3	997.4	993.5	996.1
30°	1397.5	1234.5	1098.1	998.8	929.9	900.7	865.0	838.5	810.7	821.3	823.9
32.5°	1148.4	993.5	866.3	813.3	781.5	763.0	732.5	715.3	703.4	699.4	698.1
35°	912.7	809.3	752.4	700.7	682.2	668.9	646.4	638.5	627.9	629.2	629.2
37.5°	781.5	695.4	653.0	626.5	609.3	602.7	588.1	580.2	573.6	570.9	574.9
40°	674.2	614.6	588.1	564.3	549.7	547.1	539.1	529.8	521.9	523.2	527.2
42.5°	596.1	561.6	529.8	511.3	500.7	496.7	490.1	483.5	483.5	479.5	478.2
45°	533.8	506.0	479.5	462.3	455.7	450.4	442.4	441.1	435.8	437.1	438.4
47.5°	478.2	455.7	435.8	418.6	412.0	410.6	402.7	397.4	397.4	396.1	394.7
50°	427.8	405.3	388.1	378.8	369.6	366.9	365.6	364.3	361.6	361.6	362.9
52.5°	386.8	364.3	351.0	343.1	337.8	335.1	335.1	333.8	333.8	333.8	332.5
55°	341.7	323.2	312.6	310.0	307.3	306.0	304.7	302.0	300.7	303.3	300.7
57.5°	299.4	292.7	283.5	280.8	274.2	274.2	270.2	267.6	264.9	267.6	267.6
60°	266.2	257.0	251.7	243.7	238.4	233.1	226.5	225.2	222.5	221.2	219.9
62.5°	231.8	223.9	210.6	198.7	190.7	185.4	182.8	181.5	181.5	180.1	180.1
65°	193.4	174.8	168.2	164.3	162.9	161.6	159.0	157.6	159.0	157.6	159.0
67.5°	151.0	148.4	144.4	141.7	140.4	139.1	139.1	137.8	137.8	137.8	137.8
70°	131.1	124.5	123.2	120.5	120.5	119.2	119.2	119.2	119.2	117.9	120.5
72.5°	108.6	104.6	103.3	102.0	102.0	102.0	100.7	100.7	100.7	99.3	100.7
75°	88.7	87.4	84.8	84.8	83.5	84.8	83.5	83.5	82.1	83.5	83.5
77.5°	71.5	70.2	68.9	68.9	67.6	67.6	67.6	67.6	67.6	67.6	68.9
80°	54.3	53.0	51.7	53.0	51.7	53.0	51.7	51.7	53.0	51.7	51.7
82.5°	39.7	38.4	38.4	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
85°	23.8	22.5	22.5	23.8	22.5	23.8	22.5	22.5	22.5	23.8	23.8
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°	14.8	15.6	16.3	17.1	17.5	17.7	18.0	18.3	18.6	18.9	18.6
92.5°	17.1	17.4	17.7	18.0	18.2	18.3	18.4	18.6	18.7	18.9	18.7
95°	28.2	29.0	29.7	30.5	30.9	30.8	30.7	30.5	30.4	30.2	30.4
97.5°	36.3	36.7	37.2	37.7	37.9	38.0	38.1	38.3	38.4	38.6	38.4
100°	41.2	42.5	43.7	45.0	45.6	45.8	46.1	46.4	46.7	47.0	46.7
102.5°	43.1	44.8	46.5	48.2	49.1	49.3	49.8	50.3	50.7	51.2	50.7
105°	44.5	46.2	47.9	49.6	50.5	50.8	51.4	52.1	52.7	53.3	52.7
107.5°	45.9	47.6	49.3	51.0	51.9	52.2	52.8	53.5	54.1	54.7	54.1
110°	107.2	91.6	76.0	60.4	52.6	52.9	53.5	54.2	54.8	55.4	54.8

TEST NUMBER: P1000187

CATALOG NUMBER: SA2XXRDIP-B865D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	289.2	222.0	154.8	87.6	54.0	54.2	54.7	55.2	55.6	56.1	55.6
115°	360.6	288.4	216.3	144.1	108.0	102.4	91.2	79.9	68.7	57.5	68.7
117.5°	448.4	426.1	403.8	381.5	370.4	350.0	309.1	268.3	227.4	186.6	227.4
120°	516.1	517.9	519.8	521.7	522.6	512.1	491.0	470.0	448.9	427.9	448.9
122.5°	556.5	557.5	558.4	559.3	559.8	559.9	560.0	560.2	560.3	560.5	560.3
125°	593.9	595.0	596.1	597.2	597.7	597.9	598.4	598.9	599.3	599.8	599.3
127.5°	628.8	630.3	631.9	633.4	634.2	634.3	634.4	634.6	634.7	634.9	634.7
130°	661.8	663.6	665.3	667.0	667.9	667.8	667.7	667.5	667.4	667.2	667.4
132.5°	694.5	695.9	697.3	698.7	699.4	699.3	699.2	699.0	698.9	698.7	698.9
135°	724.9	726.4	728.0	729.5	730.3	730.1	729.8	729.5	729.2	728.9	729.2
137.5°	753.6	755.2	756.7	758.3	759.1	758.9	758.4	757.9	757.5	757.0	757.5
140°	781.5	782.9	784.3	785.7	786.4	786.0	785.2	784.5	783.7	782.9	783.7
142.5°	807.3	808.6	809.8	811.1	811.7	811.3	810.5	809.8	809.0	808.2	809.0
145°	831.0	832.1	833.2	834.3	834.8	834.4	833.6	832.9	832.1	831.3	832.1
147.5°	852.5	853.3	854.0	854.8	855.2	854.9	854.3	853.6	853.0	852.4	853.0
150°	871.5	872.5	873.4	874.3	874.8	874.4	873.6	872.9	872.1	871.3	872.1
152.5°	889.1	890.0	891.0	891.9	892.4	891.8	890.7	889.6	888.5	887.4	888.5
155°	904.5	905.5	906.4	907.3	907.8	907.2	905.9	904.7	903.4	902.2	903.4
157.5°	918.0	919.1	920.2	921.3	921.8	921.2	919.9	918.7	917.4	916.2	917.4
160°	929.7	930.7	931.6	932.5	933.0	932.5	931.4	930.3	929.2	928.1	929.2
162.5°	940.5	941.6	942.7	943.8	944.3	943.6	942.2	940.8	939.4	938.0	939.4
165°	948.9	950.0	951.1	952.2	952.7	952.2	951.1	950.0	948.9	947.8	948.9
167.5°	956.6	957.7	958.8	959.9	960.4	959.7	958.3	956.9	955.5	954.1	955.5
170°	962.2	963.3	964.4	965.5	966.0	965.3	963.9	962.5	961.1	959.7	961.1
172.5°	966.4	967.5	968.6	969.7	970.2	969.5	968.1	966.7	965.3	963.9	965.3
175°	969.2	970.3	971.4	972.5	973.0	972.2	970.7	969.1	967.6	966.0	967.6
177.5°	969.9	971.0	972.1	973.2	973.7	973.0	971.6	970.2	968.8	967.4	968.8
180°	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5

TEST NUMBER: P1000187

CATALOG NUMBER: SA2XXRDIP-B865D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1
2.5°	2009.4	2000.2	1997.5	2000.2	1997.5	1998.8	1989.6	1955.1	1964.4	1949.8	1957.8
5°	2123.3	2115.4	2098.2	2095.5	2092.9	2090.2	2077.0	2046.5	2034.6	2014.7	2013.4
7.5°	2232.0	2232.0	2218.7	2209.4	2197.5	2188.3	2171.0	2126.0	2107.5	2083.6	2070.4
10°	2339.3	2304.8	2319.4	2310.1	2281.0	2275.7	2243.9	2217.4	2181.6	2157.8	2136.6
12.5°	2416.1	2405.5	2392.2	2384.3	2376.3	2359.1	2337.9	2270.4	2251.8	2204.2	2180.3
15°	2413.4	2406.8	2410.8	2410.8	2408.1	2404.2	2386.9	2337.9	2306.1	2259.8	2218.7
17.5°	2283.6	2300.8	2318.1	2330.0	2356.5	2368.4	2384.3	2355.2	2335.3	2295.5	2251.8
20°	2057.1	2099.5	2149.8	2160.4	2184.3	2254.5	2286.3	2311.4	2319.4	2306.1	2270.4
22.5°	1741.9	1777.6	1899.5	1896.8	1931.3	2014.7	2107.5	2183.0	2242.6	2275.7	2262.4
25°	1364.3	1414.7	1479.6	1528.6	1641.2	1765.7	1880.9	2001.5	2104.8	2196.2	2218.7
27.5°	1031.9	1098.1	1149.8	1214.7	1271.6	1418.7	1567.0	1755.1	1875.6	2049.2	2139.2
30°	834.5	865.0	916.6	947.1	974.9	1087.5	1255.7	1441.2	1653.1	1853.1	2008.1
32.5°	712.6	733.8	772.2	785.5	814.6	890.1	996.1	1165.7	1384.2	1626.6	1830.6
35°	639.8	662.3	670.3	682.2	706.0	753.7	826.6	949.7	1147.1	1384.2	1627.9
37.5°	577.5	589.5	612.0	619.9	627.9	663.6	712.6	798.7	929.9	1124.6	1394.8
40°	533.8	540.4	552.4	559.0	564.3	589.5	633.2	691.4	788.1	936.5	1185.5
42.5°	487.5	495.4	503.4	511.3	517.9	537.8	564.3	619.9	684.8	797.4	977.6
45°	442.4	447.7	457.0	462.3	471.6	487.5	511.3	549.7	608.0	679.5	825.2
47.5°	401.4	408.0	412.0	418.6	425.2	442.4	464.9	490.1	537.8	608.0	714.0
50°	364.3	372.2	377.5	378.8	384.1	400.0	418.6	446.4	476.9	531.2	623.9
52.5°	337.8	339.1	343.1	348.4	347.0	356.3	373.5	394.7	426.5	470.2	537.8
55°	307.3	311.3	313.9	315.3	315.3	323.2	332.5	352.3	377.5	413.3	470.2
57.5°	268.9	272.9	280.8	283.5	287.4	291.4	295.4	308.6	329.8	364.3	410.6
60°	229.2	231.8	239.8	245.1	247.7	258.3	263.6	274.2	286.1	311.3	355.0
62.5°	184.1	186.8	190.7	196.0	201.3	217.2	230.5	241.1	250.4	267.6	303.3
65°	160.3	161.6	164.3	165.6	166.9	173.5	185.4	200.0	217.2	230.5	251.7
67.5°	139.1	140.4	141.7	144.4	145.7	147.0	152.3	156.3	173.5	192.1	208.0
70°	119.2	121.9	123.2	123.2	124.5	127.2	129.8	135.1	140.4	149.7	169.6
72.5°	100.7	102.0	104.6	104.6	104.6	107.3	109.9	112.6	115.2	120.5	128.5
75°	83.5	86.1	86.1	86.1	87.4	87.4	90.1	92.7	95.4	99.3	102.0
77.5°	68.9	68.9	68.9	68.9	70.2	70.2	71.5	74.2	75.5	76.8	79.5
80°	51.7	53.0	53.0	53.0	54.3	54.3	54.3	57.0	58.3	58.3	60.9
82.5°	38.4	38.4	38.4	39.7	38.4	39.7	39.7	41.1	39.7	41.1	42.4
85°	23.8	23.8	23.8	25.2	25.2	25.2	25.2	25.2	25.2	25.2	26.5
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°	18.3	18.0	17.7	17.5	17.1	16.3	15.6	14.8	14.0	12.8	11.5
92.5°	18.6	18.4	18.3	18.2	18.0	17.7	17.4	17.1	16.8	16.3	15.9
95°	30.5	30.7	30.8	30.9	30.5	29.7	29.0	28.2	27.4	26.3	25.2
97.5°	38.3	38.1	38.0	37.9	37.7	37.2	36.7	36.3	35.8	33.3	30.8
100°	46.4	46.1	45.8	45.6	45.0	43.7	42.5	41.2	40.0	37.4	34.7
102.5°	50.3	49.8	49.3	49.1	48.2	46.5	44.8	43.1	41.4	39.8	38.2
105°	52.1	51.4	50.8	50.5	49.6	47.9	46.2	44.5	42.8	41.4	40.0
107.5°	53.5	52.8	52.2	51.9	51.0	49.3	47.6	45.9	44.2	42.8	41.4
110°	54.2	53.5	52.9	52.6	50.4	48.7	47.0	45.3	43.6	41.9	40.2

TEST NUMBER: P1000187

CATALOG NUMBER: SA2XXRDIP-B865D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	55.2	54.7	54.2	54.0	87.6	154.8	222.0	289.2	356.4	359.0	361.7
115°	79.9	91.2	102.4	108.0	144.1	216.3	288.4	360.6	432.8	428.9	425.0
117.5°	268.3	309.1	350.0	370.4	381.5	403.8	426.1	448.4	470.7	468.1	465.4
120°	470.0	491.0	512.1	522.6	521.7	519.8	517.9	516.1	514.2	511.4	508.6
122.5°	560.2	560.0	559.9	559.8	559.3	558.4	557.5	556.5	555.6	552.5	549.4
125°	598.9	598.4	597.9	597.7	597.2	596.1	595.0	593.9	592.8	589.8	586.9
127.5°	634.6	634.4	634.3	634.2	633.4	631.9	630.3	628.8	627.2	624.8	622.5
130°	667.5	667.7	667.8	667.9	667.0	665.3	663.6	661.8	660.1	658.4	656.7
132.5°	699.0	699.2	699.3	699.4	698.7	697.3	695.9	694.5	693.1	691.4	689.7
135°	729.5	729.8	730.1	730.3	729.5	728.0	726.4	724.9	723.3	721.9	720.5
137.5°	757.9	758.4	758.9	759.1	758.3	756.7	755.2	753.6	752.0	750.4	748.9
140°	784.5	785.2	786.0	786.4	785.7	784.3	782.9	781.5	780.1	778.4	776.7
142.5°	809.8	810.5	811.3	811.7	811.1	809.8	808.6	807.3	806.1	804.1	802.0
145°	832.9	833.6	834.4	834.8	834.3	833.2	832.1	831.0	829.9	827.3	824.6
147.5°	853.6	854.3	854.9	855.2	854.8	854.0	853.3	852.5	851.7	849.0	846.4
150°	872.9	873.6	874.4	874.8	874.3	873.4	872.5	871.5	870.6	868.1	865.6
152.5°	889.6	890.7	891.8	892.4	891.9	891.0	890.0	889.1	888.1	885.8	883.4
155°	904.7	905.9	907.2	907.8	907.3	906.4	905.5	904.5	903.6	901.7	899.9
157.5°	918.7	919.9	921.2	921.8	921.3	920.2	919.1	918.0	916.9	915.5	914.1
160°	930.3	931.4	932.5	933.0	932.5	931.6	930.7	929.7	928.8	927.9	926.9
162.5°	940.8	942.2	943.6	944.3	943.8	942.7	941.6	940.5	939.4	938.6	937.8
165°	950.0	951.1	952.2	952.7	952.2	951.1	950.0	948.9	947.8	947.3	946.9
167.5°	956.9	958.3	959.7	960.4	959.9	958.8	957.7	956.6	955.5	955.0	954.6
170°	962.5	963.9	965.3	966.0	965.5	964.4	963.3	962.2	961.1	960.8	960.5
172.5°	966.7	968.1	969.5	970.2	969.7	968.6	967.5	966.4	965.3	965.0	964.7
175°	969.1	970.7	972.2	973.0	972.5	971.4	970.3	969.2	968.1	967.8	967.5
177.5°	970.2	971.6	973.0	973.7	973.2	972.1	971.0	969.9	968.8	968.6	968.5
180°	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5

TEST NUMBER: P1000187

CATALOG NUMBER: SA2XXRDIP-B865D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1
2.5°	1945.9	1939.2	1939.2	1935.3	1935.3	1914.1	1914.1	1920.7	1912.7	1903.5	1890.2
5°	1996.2	1981.6	1977.6	1972.3	1955.1	1928.6	1918.0	1914.1	1898.2	1878.3	1855.8
7.5°	2043.9	2020.0	2008.1	1996.2	1973.7	1936.6	1915.4	1900.8	1877.0	1846.5	1817.4
10°	2090.2	2059.8	2029.3	2014.7	1982.9	1936.6	1906.1	1882.3	1847.8	1806.8	1765.7
12.5°	2132.6	2069.0	2063.7	2034.6	1988.2	1935.3	1888.9	1854.5	1810.7	1763.1	1715.4
15°	2169.7	2104.8	2073.0	2046.5	1985.6	1919.4	1870.3	1828.0	1769.7	1715.4	1657.1
17.5°	2188.3	2118.1	2096.9	2053.1	1990.9	1904.8	1838.6	1786.9	1723.3	1658.4	1592.2
20°	2206.8	2124.7	2090.2	2059.8	1975.0	1877.0	1802.8	1743.2	1673.0	1596.2	1523.3
22.5°	2216.1	2124.7	2083.6	2041.2	1959.1	1846.5	1759.1	1688.9	1606.8	1528.6	1441.2
25°	2200.2	2116.7	2067.7	2024.0	1931.3	1809.4	1708.7	1629.3	1541.8	1453.1	1364.3
27.5°	2160.4	2098.2	2041.2	1996.2	1892.9	1761.7	1655.8	1565.7	1475.6	1376.3	1286.2
30°	2086.3	2058.4	2013.4	1963.1	1850.5	1719.3	1593.5	1500.8	1401.4	1302.1	1208.0
32.5°	1971.0	1994.9	1965.7	1922.0	1800.1	1661.1	1527.3	1433.2	1324.6	1217.3	1131.2
35°	1830.6	1915.4	1899.5	1869.0	1747.2	1598.8	1465.0	1351.1	1242.5	1133.9	1047.8
37.5°	1677.0	1805.4	1818.7	1800.1	1686.2	1535.2	1388.2	1276.9	1165.7	1055.7	968.3
40°	1466.3	1663.7	1706.1	1714.0	1622.6	1458.4	1304.7	1196.1	1086.2	978.9	872.9
42.5°	1272.9	1522.0	1575.0	1608.1	1541.8	1382.9	1227.9	1107.4	998.8	902.1	796.1
45°	1091.5	1351.1	1437.2	1479.6	1450.4	1296.8	1136.5	1023.9	924.6	835.8	733.8
47.5°	904.7	1165.7	1286.2	1353.8	1353.8	1209.4	1049.1	937.8	842.5	766.9	676.9
50°	780.2	997.4	1121.9	1210.7	1234.5	1120.6	969.6	861.0	770.9	688.8	619.9
52.5°	665.0	859.7	963.0	1055.7	1124.6	1025.2	880.9	782.8	694.1	617.3	563.0
55°	574.9	720.6	814.6	916.6	993.5	928.6	794.8	699.4	622.6	559.0	512.6
57.5°	488.8	615.9	692.8	782.8	865.0	816.0	708.7	626.5	559.0	503.4	462.3
60°	415.9	519.2	578.9	649.1	751.1	716.6	627.9	552.4	498.1	447.7	413.3
62.5°	353.7	435.8	486.1	536.5	629.2	613.3	544.4	486.1	439.8	397.4	368.2
65°	290.1	357.6	397.4	441.1	515.3	521.9	466.3	425.2	382.8	345.7	319.2
67.5°	234.5	287.4	323.2	360.3	419.9	438.4	400.0	365.6	329.8	299.4	275.5
70°	189.4	226.5	253.0	282.1	331.2	353.7	333.8	310.0	280.8	255.6	234.5
72.5°	149.7	173.5	189.4	211.9	251.7	274.2	272.9	251.7	230.5	213.3	196.0
75°	109.9	128.5	141.7	156.3	188.1	209.3	214.6	205.3	184.1	170.9	157.6
77.5°	83.5	94.0	100.7	111.3	133.8	152.3	160.3	157.6	143.1	132.5	123.2
80°	63.6	66.2	68.9	72.9	91.4	108.6	113.9	112.6	104.6	100.7	90.1
82.5°	45.0	46.4	47.7	49.0	55.6	70.2	75.5	78.2	71.5	67.6	58.3
85°	26.5	27.8	27.8	30.5	31.8	35.8	45.0	45.0	43.7	38.4	37.1
87.5°	13.2	13.2	11.9	11.9	13.2	14.6	17.2	19.9	17.2	15.9	14.6
90°	10.3	9.0	8.4	7.5	5.8	4.1	2.4	0.7	2.4	4.1	5.8
92.5°	15.4	14.9	14.7	15.0	15.6	16.3	16.9	17.5	16.9	16.3	15.6
95°	24.1	23.0	22.4	25.0	30.1	35.3	40.4	45.6	40.4	35.3	30.1
97.5°	28.3	25.8	24.6	31.0	43.8	56.5	69.3	82.1	69.3	56.5	43.8
100°	32.1	29.4	28.1	38.8	60.1	81.5	102.8	124.2	102.8	81.5	60.1
102.5°	126.5	154.9	169.1	169.3	169.6	169.9	170.2	170.5	170.2	169.9	169.6
105°	170.5	213.0	234.3	232.0	227.3	222.6	218.0	213.3	218.0	222.6	227.3
107.5°	201.8	254.3	280.6	278.7	274.8	270.9	267.0	263.1	267.0	270.9	274.8
110°	257.9	303.0	325.5	323.9	320.6	317.3	314.1	310.8	314.1	317.3	320.6



TEST NUMBER: P1000187

CATALOG NUMBER: SA2XXRDIP-B865D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	364.3	367.0	368.3	366.9	364.1	361.3	358.5	355.7	358.5	361.3	364.1
115°	421.1	417.2	415.3	414.0	411.3	408.7	406.0	403.4	406.0	408.7	411.3
117.5°	462.8	460.1	458.8	457.2	454.1	451.0	447.9	444.8	447.9	451.0	454.1
120°	505.8	503.0	501.6	500.4	498.1	495.8	493.4	491.1	493.4	495.8	498.1
122.5°	546.3	543.2	541.6	540.4	537.9	535.4	532.9	530.4	532.9	535.4	537.9
125°	583.9	581.0	579.5	578.5	576.4	574.4	572.3	570.3	572.3	574.4	576.4
127.5°	620.1	617.8	616.6	615.5	613.3	611.2	609.0	606.8	609.0	611.2	613.3
130°	655.0	653.3	652.4	651.2	648.7	646.2	643.7	641.2	643.7	646.2	648.7
132.5°	688.0	686.3	685.4	684.4	682.4	680.3	678.3	676.3	678.3	680.3	682.4
135°	719.1	717.7	717.0	715.7	713.2	710.7	708.2	705.7	708.2	710.7	713.2
137.5°	747.3	745.8	745.0	744.1	742.2	740.3	738.5	736.6	738.5	740.3	742.2
140°	775.0	773.3	772.4	771.8	770.5	769.3	768.0	766.8	768.0	769.3	770.5
142.5°	800.0	797.9	796.9	796.4	795.3	794.2	793.1	792.0	793.1	794.2	795.3
145°	822.0	819.3	818.0	818.1	818.2	818.4	818.5	818.7	818.5	818.4	818.2
147.5°	843.7	841.0	839.7	839.9	840.4	840.9	841.3	841.8	841.3	840.9	840.4
150°	863.1	860.6	859.4	859.9	861.0	862.1	863.2	864.3	863.2	862.1	861.0
152.5°	881.1	878.8	877.6	878.2	879.5	880.7	882.0	883.2	882.0	880.7	879.5
155°	898.0	896.1	895.2	895.9	897.3	898.7	900.1	901.5	900.1	898.7	897.3
157.5°	912.7	911.3	910.6	911.2	912.5	913.7	915.0	916.2	915.0	913.7	912.5
160°	926.0	925.1	924.6	925.1	926.0	926.9	927.9	928.8	927.9	926.9	926.0
162.5°	937.0	936.2	935.8	936.3	937.2	938.2	939.1	940.1	939.1	938.2	937.2
165°	946.4	945.9	945.7	946.2	947.1	948.0	949.0	949.9	949.0	948.0	947.1
167.5°	954.1	953.6	953.4	953.9	954.8	955.7	956.7	957.6	956.7	955.7	954.8
170°	960.2	959.9	959.7	960.2	961.1	962.0	963.0	963.9	963.0	962.0	961.1
172.5°	964.4	964.1	963.9	964.4	965.3	966.2	967.2	968.1	967.2	966.2	965.3
175°	967.2	966.9	966.7	967.2	968.3	969.4	970.5	971.6	970.5	969.4	968.3
177.5°	968.3	968.2	968.1	968.6	969.7	970.8	971.9	973.0	971.9	970.8	969.7
180°	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5

TEST NUMBER: P1000187

CATALOG NUMBER: SA2XXRDIP-B865D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1
2.5°	1884.9	1886.2	1890.2	1878.3	1859.8	1851.8	1828.0	1824.0	1820.0	1820.0	1824.0
5°	1842.5	1837.2	1838.6	1816.0	1789.5	1773.7	1740.5	1745.8	1728.6	1718.0	1720.7
7.5°	1796.2	1781.6	1780.3	1751.1	1718.0	1688.9	1654.4	1646.5	1630.6	1612.0	1604.1
10°	1737.9	1727.3	1707.4	1674.3	1631.9	1608.1	1561.7	1533.9	1529.9	1502.1	1491.5
12.5°	1678.3	1659.7	1639.9	1593.5	1545.8	1507.4	1473.0	1442.5	1421.3	1397.5	1381.6
15°	1609.4	1586.9	1564.4	1515.4	1459.7	1421.3	1369.6	1324.6	1262.4	1213.3	1185.5
17.5°	1533.9	1508.7	1478.3	1424.0	1369.6	1316.7	1221.3	1168.3	1124.6	1095.5	1078.2
20°	1455.7	1427.9	1397.5	1343.2	1249.1	1156.4	1103.4	1062.3	1035.8	1006.7	985.5
22.5°	1373.6	1344.5	1311.4	1226.6	1127.2	1062.3	1021.3	982.9	944.4	928.6	918.0
25°	1296.8	1270.3	1227.9	1112.7	1034.5	974.9	928.6	903.4	883.5	862.3	842.5
27.5°	1217.3	1168.3	1108.7	1012.0	963.0	902.1	868.9	850.4	816.0	801.4	792.1
30°	1121.9	1067.6	1010.7	941.8	884.8	842.5	812.0	781.5	761.7	747.1	731.2
32.5°	1025.2	973.6	937.8	866.3	823.9	780.2	751.1	732.5	703.4	694.1	687.5
35°	941.8	898.1	866.3	808.0	768.3	728.5	707.3	679.5	661.0	643.8	633.2
37.5°	859.7	835.8	802.7	753.7	711.3	679.5	650.4	641.1	615.9	606.7	596.1
40°	802.7	766.9	739.1	696.7	661.0	626.5	608.0	586.8	569.6	555.0	551.0
42.5°	733.8	707.3	691.4	645.1	608.0	588.1	565.6	541.8	528.5	516.6	502.0
45°	682.2	658.3	635.8	598.7	565.6	540.4	520.6	504.7	482.2	476.9	454.3
47.5°	627.9	604.0	586.8	549.7	519.2	495.4	480.8	459.6	441.1	429.2	418.6
50°	573.6	553.7	537.8	506.0	479.5	454.3	434.5	413.3	405.3	385.5	378.8
52.5°	521.9	508.7	491.4	461.0	434.5	413.3	392.1	374.9	362.9	352.3	344.4
55°	478.2	457.0	449.0	415.9	393.4	370.9	352.3	341.7	327.2	320.6	313.9
57.5°	429.2	417.3	404.0	378.8	353.7	332.5	319.2	303.3	295.4	287.4	282.1
60°	386.8	369.6	359.0	337.8	315.3	295.4	283.5	271.5	260.9	254.3	243.7
62.5°	337.8	324.5	317.9	295.4	276.8	258.3	247.7	235.8	227.8	215.9	202.7
65°	295.4	284.8	276.8	258.3	241.1	223.9	213.3	198.7	188.1	181.5	180.1
67.5°	258.3	250.4	238.4	221.2	204.0	190.7	178.8	166.9	165.6	162.9	162.9
70°	217.2	209.3	202.7	184.1	169.6	155.0	152.3	148.4	144.4	143.1	140.4
72.5°	181.5	174.8	166.9	151.0	136.4	132.5	129.8	127.2	123.2	121.9	120.5
75°	147.0	137.8	132.5	117.9	113.9	111.3	108.6	104.6	102.0	100.7	98.0
77.5°	112.6	103.3	103.3	95.4	92.7	88.7	86.1	83.5	82.1	79.5	79.5
80°	79.5	79.5	76.8	72.9	68.9	67.6	63.6	62.3	60.9	62.3	59.6
82.5°	58.3	53.0	53.0	50.3	47.7	46.4	43.7	43.7	42.4	42.4	42.4
85°	33.1	33.1	31.8	29.1	27.8	27.8	26.5	26.5	25.2	25.2	23.8
87.5°	13.2	11.9	13.2	11.9	11.9	10.6	10.6	10.6	9.3	10.6	9.3
90°	7.5	8.4	9.0	10.3	11.5	12.8	14.0	14.8	15.6	16.3	17.1
92.5°	15.0	14.7	14.9	15.4	15.9	16.3	16.8	17.1	17.4	17.7	18.0
95°	25.0	22.4	23.0	24.1	25.2	26.3	27.4	28.2	29.0	29.7	30.5
97.5°	31.0	24.6	25.8	28.3	30.8	33.3	35.8	36.3	36.7	37.2	37.7
100°	38.8	28.1	29.4	32.1	34.7	37.4	40.0	41.2	42.5	43.7	45.0
102.5°	169.3	169.1	154.9	126.5	98.2	69.8	41.4	43.1	44.8	46.5	48.2
105°	232.0	234.3	213.0	170.5	127.9	85.4	42.8	44.5	46.2	47.9	49.6
107.5°	278.7	280.6	254.3	201.8	149.3	96.7	44.2	45.9	47.6	49.3	51.0
110°	323.9	325.5	303.0	257.9	212.9	167.8	122.8	107.2	91.6	76.0	60.4

TEST NUMBER: P1000187

CATALOG NUMBER: SA2XXRDIP-B865D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	366.9	368.3	367.0	364.3	361.7	359.0	356.4	289.2	222.0	154.8	87.6
115°	414.0	415.3	417.2	421.1	425.0	428.9	432.8	360.6	288.4	216.3	144.1
117.5°	457.2	458.8	460.1	462.8	465.4	468.1	470.7	448.4	426.1	403.8	381.5
120°	500.4	501.6	503.0	505.8	508.6	511.4	514.2	516.1	517.9	519.8	521.7
122.5°	540.4	541.6	543.2	546.3	549.4	552.5	555.6	556.5	557.5	558.4	559.3
125°	578.5	579.5	581.0	583.9	586.9	589.8	592.8	593.9	595.0	596.1	597.2
127.5°	615.5	616.6	617.8	620.1	622.5	624.8	627.2	628.8	630.3	631.9	633.4
130°	651.2	652.4	653.3	655.0	656.7	658.4	660.1	661.8	663.6	665.3	667.0
132.5°	684.4	685.4	686.3	688.0	689.7	691.4	693.1	694.5	695.9	697.3	698.7
135°	715.7	717.0	717.7	719.1	720.5	721.9	723.3	724.9	726.4	728.0	729.5
137.5°	744.1	745.0	745.8	747.3	748.9	750.4	752.0	753.6	755.2	756.7	758.3
140°	771.8	772.4	773.3	775.0	776.7	778.4	780.1	781.5	782.9	784.3	785.7
142.5°	796.4	796.9	797.9	800.0	802.0	804.1	806.1	807.3	808.6	809.8	811.1
145°	818.1	818.0	819.3	822.0	824.6	827.3	829.9	831.0	832.1	833.2	834.3
147.5°	839.9	839.7	841.0	843.7	846.4	849.0	851.7	852.5	853.3	854.0	854.8
150°	859.9	859.4	860.6	863.1	865.6	868.1	870.6	871.5	872.5	873.4	874.3
152.5°	878.2	877.6	878.8	881.1	883.4	885.8	888.1	889.1	890.0	891.0	891.9
155°	895.9	895.2	896.1	898.0	899.9	901.7	903.6	904.5	905.5	906.4	907.3
157.5°	911.2	910.6	911.3	912.7	914.1	915.5	916.9	918.0	919.1	920.2	921.3
160°	925.1	924.6	925.1	926.0	926.9	927.9	928.8	929.7	930.7	931.6	932.5
162.5°	936.3	935.8	936.2	937.0	937.8	938.6	939.4	940.5	941.6	942.7	943.8
165°	946.2	945.7	945.9	946.4	946.9	947.3	947.8	948.9	950.0	951.1	952.2
167.5°	953.9	953.4	953.6	954.1	954.6	955.0	955.5	956.6	957.7	958.8	959.9
170°	960.2	959.7	959.9	960.2	960.5	960.8	961.1	962.2	963.3	964.4	965.5
172.5°	964.4	963.9	964.1	964.4	964.7	965.0	965.3	966.4	967.5	968.6	969.7
175°	967.2	966.7	966.9	967.2	967.5	967.8	968.1	969.2	970.3	971.4	972.5
177.5°	968.6	968.1	968.2	968.3	968.5	968.6	968.8	969.9	971.0	972.1	973.2
180°	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5

TEST NUMBER: P1000187

CATALOG NUMBER: SA2XXRDIP-B865D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1
2.5°	1824.0	1821.3	1813.4	1816.0	1812.1	1812.1	1809.4	1809.4	1809.4	1816.0	1812.1
5°	1724.6	1715.4	1706.1	1702.1	1698.1	1694.2	1694.2	1692.9	1704.8	1702.1	1712.7
7.5°	1601.5	1598.8	1580.3	1580.3	1573.6	1571.0	1577.6	1578.9	1580.3	1582.9	1589.5
10°	1491.5	1484.9	1458.4	1461.0	1457.1	1451.8	1455.7	1453.1	1462.4	1465.0	1462.4
12.5°	1361.7	1349.8	1320.6	1306.1	1290.2	1278.2	1292.8	1282.2	1319.3	1329.9	1359.0
15°	1189.5	1167.0	1147.1	1147.1	1132.5	1121.9	1128.6	1140.5	1148.4	1160.4	1165.7
17.5°	1074.3	1065.0	1049.1	1039.8	1035.8	1031.9	1031.9	1037.2	1054.4	1053.1	1063.7
20°	976.2	970.9	963.0	951.1	947.1	944.4	944.4	944.4	956.4	967.0	973.6
22.5°	908.7	904.7	899.4	883.5	875.6	872.9	879.5	883.5	892.8	900.7	907.4
25°	841.1	831.9	822.6	817.3	813.3	813.3	816.0	817.3	821.3	825.2	833.2
27.5°	785.5	778.9	765.6	751.1	751.1	747.1	749.7	752.4	761.7	774.9	781.5
30°	723.2	721.9	716.6	711.3	706.0	703.4	708.7	712.6	714.0	720.6	720.6
32.5°	678.2	668.9	659.7	654.4	651.7	650.4	651.7	657.0	657.0	665.0	674.2
35°	633.2	627.9	618.6	609.3	606.7	600.0	605.3	610.6	619.9	623.9	627.9
37.5°	584.2	577.5	573.6	570.9	565.6	566.9	563.0	570.9	578.9	577.5	580.2
40°	547.1	535.1	523.2	521.9	520.6	519.2	519.2	520.6	525.9	531.2	539.1
42.5°	499.4	495.4	484.8	474.2	471.6	468.9	466.3	471.6	482.2	491.4	495.4
45°	450.4	445.1	442.4	434.5	429.2	427.8	425.2	431.8	441.1	445.1	447.7
47.5°	405.3	404.0	396.1	397.4	393.4	394.7	393.4	397.4	397.4	401.4	404.0
50°	374.9	370.9	366.9	364.3	360.3	360.3	359.0	360.3	365.6	370.9	369.6
52.5°	344.4	337.8	336.5	335.1	332.5	335.1	331.2	332.5	337.8	340.4	339.1
55°	308.6	307.3	304.7	302.0	300.7	299.4	299.4	299.4	304.7	308.6	310.0
57.5°	280.8	274.2	268.9	268.9	263.6	262.3	264.9	266.2	270.2	272.9	275.5
60°	242.4	239.8	231.8	227.8	219.9	218.6	218.6	223.9	230.5	239.8	242.4
62.5°	201.3	197.4	196.0	196.0	196.0	196.0	196.0	196.0	196.0	197.4	197.4
65°	178.8	180.1	178.8	177.5	178.8	178.8	177.5	177.5	177.5	178.8	180.1
67.5°	160.3	159.0	160.3	159.0	157.6	157.6	156.3	157.6	159.0	160.3	160.3
70°	139.1	139.1	137.8	139.1	137.8	136.4	135.1	135.1	137.8	139.1	139.1
72.5°	119.2	119.2	117.9	117.9	115.2	115.2	116.6	115.2	115.2	119.2	119.2
75°	99.3	98.0	96.7	96.7	95.4	95.4	95.4	94.0	96.7	96.7	98.0
77.5°	78.2	78.2	78.2	76.8	76.8	75.5	75.5	76.8	76.8	76.8	78.2
80°	59.6	59.6	59.6	58.3	57.0	57.0	57.0	57.0	57.0	58.3	57.0
82.5°	41.1	41.1	41.1	41.1	41.1	39.7	39.7	39.7	41.1	41.1	39.7
85°	25.2	23.8	25.2	25.2	23.8	25.2	23.8	23.8	22.5	22.5	23.8
87.5°	10.6	9.3	7.9	7.9	9.3	7.9	7.9	7.9	9.3	7.9	7.9
90°	17.5	17.7	18.0	18.3	18.6	18.9	18.6	18.3	18.0	17.7	17.5
92.5°	18.2	18.3	18.4	18.6	18.7	18.9	18.7	18.6	18.4	18.3	18.2
95°	30.9	30.8	30.7	30.5	30.4	30.2	30.4	30.5	30.7	30.8	30.9
97.5°	37.9	38.0	38.1	38.3	38.4	38.6	38.4	38.3	38.1	38.0	37.9
100°	45.6	45.8	46.1	46.4	46.7	47.0	46.7	46.4	46.1	45.8	45.6
102.5°	49.1	49.3	49.8	50.3	50.7	51.2	50.7	50.3	49.8	49.3	49.1
105°	50.5	50.8	51.4	52.1	52.7	53.3	52.7	52.1	51.4	50.8	50.5
107.5°	51.9	52.2	52.8	53.5	54.1	54.7	54.1	53.5	52.8	52.2	51.9
110°	52.6	52.9	53.5	54.2	54.8	55.4	54.8	54.2	53.5	52.9	52.6

TEST NUMBER: P1000187

CATALOG NUMBER: SA2XXRDIP-B865D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	54.0	54.2	54.7	55.2	55.6	56.1	55.6	55.2	54.7	54.2	54.0
115°	108.0	102.4	91.2	79.9	68.7	57.5	68.7	79.9	91.2	102.4	108.0
117.5°	370.4	350.0	309.1	268.3	227.4	186.6	227.4	268.3	309.1	350.0	370.4
120°	522.6	512.1	491.0	470.0	448.9	427.9	448.9	470.0	491.0	512.1	522.6
122.5°	559.8	559.9	560.0	560.2	560.3	560.5	560.3	560.2	560.0	559.9	559.8
125°	597.7	597.9	598.4	598.9	599.3	599.8	599.3	598.9	598.4	597.9	597.7
127.5°	634.2	634.3	634.4	634.6	634.7	634.9	634.7	634.6	634.4	634.3	634.2
130°	667.9	667.8	667.7	667.5	667.4	667.2	667.4	667.5	667.7	667.8	667.9
132.5°	699.4	699.3	699.2	699.0	698.9	698.7	698.9	699.0	699.2	699.3	699.4
135°	730.3	730.1	729.8	729.5	729.2	728.9	729.2	729.5	729.8	730.1	730.3
137.5°	759.1	758.9	758.4	757.9	757.5	757.0	757.5	757.9	758.4	758.9	759.1
140°	786.4	786.0	785.2	784.5	783.7	782.9	783.7	784.5	785.2	786.0	786.4
142.5°	811.7	811.3	810.5	809.8	809.0	808.2	809.0	809.8	810.5	811.3	811.7
145°	834.8	834.4	833.6	832.9	832.1	831.3	832.1	832.9	833.6	834.4	834.8
147.5°	855.2	854.9	854.3	853.6	853.0	852.4	853.0	853.6	854.3	854.9	855.2
150°	874.8	874.4	873.6	872.9	872.1	871.3	872.1	872.9	873.6	874.4	874.8
152.5°	892.4	891.8	890.7	889.6	888.5	887.4	888.5	889.6	890.7	891.8	892.4
155°	907.8	907.2	905.9	904.7	903.4	902.2	903.4	904.7	905.9	907.2	907.8
157.5°	921.8	921.2	919.9	918.7	917.4	916.2	917.4	918.7	919.9	921.2	921.8
160°	933.0	932.5	931.4	930.3	929.2	928.1	929.2	930.3	931.4	932.5	933.0
162.5°	944.3	943.6	942.2	940.8	939.4	938.0	939.4	940.8	942.2	943.6	944.3
165°	952.7	952.2	951.1	950.0	948.9	947.8	948.9	950.0	951.1	952.2	952.7
167.5°	960.4	959.7	958.3	956.9	955.5	954.1	955.5	956.9	958.3	959.7	960.4
170°	966.0	965.3	963.9	962.5	961.1	959.7	961.1	962.5	963.9	965.3	966.0
172.5°	970.2	969.5	968.1	966.7	965.3	963.9	965.3	966.7	968.1	969.5	970.2
175°	973.0	972.2	970.7	969.1	967.6	966.0	967.6	969.1	970.7	972.2	973.0
177.5°	973.7	973.0	971.6	970.2	968.8	967.4	968.8	970.2	971.6	973.0	973.7
180°	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5

TEST NUMBER: P1000187

CATALOG NUMBER: SA2XXRDIP-B865D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1	1906.1
2.5°	1816.0	1822.7	1820.0	1805.4	1820.0	1824.0	1831.9	1839.9	1845.2	1853.1	1859.8
5°	1702.1	1715.4	1723.3	1715.4	1741.9	1745.8	1764.4	1775.0	1790.9	1804.1	1814.7
7.5°	1594.8	1605.4	1621.3	1624.0	1639.9	1658.4	1684.9	1711.4	1736.6	1749.8	1761.7
10°	1479.6	1498.1	1522.0	1516.7	1540.5	1569.7	1597.5	1639.9	1661.1	1684.9	1706.1
12.5°	1364.3	1376.3	1408.1	1418.7	1453.1	1475.6	1514.0	1540.5	1593.5	1621.3	1639.9
15°	1163.0	1212.0	1251.8	1299.4	1344.5	1386.9	1421.3	1469.0	1515.4	1536.5	1567.0
17.5°	1071.6	1094.1	1118.0	1141.8	1200.1	1275.6	1336.5	1388.2	1427.9	1455.7	1491.5
20°	976.2	998.8	1025.2	1047.8	1083.5	1137.8	1213.3	1302.1	1349.8	1378.9	1413.4
22.5°	908.7	929.9	947.1	967.0	994.8	1034.5	1091.5	1201.4	1265.0	1300.8	1331.2
25°	835.8	862.3	880.9	895.4	918.0	961.7	1008.0	1070.3	1184.2	1212.0	1254.4
27.5°	785.5	793.4	814.6	837.2	859.7	883.5	931.2	984.2	1061.0	1121.9	1173.6
30°	725.9	745.8	765.6	774.9	794.8	829.2	858.3	915.3	974.9	1022.6	1084.9
32.5°	680.8	692.8	706.0	728.5	747.1	770.9	800.1	847.8	898.1	928.6	976.2
35°	630.5	638.5	666.3	675.6	694.1	717.9	747.1	784.2	838.5	862.3	896.8
37.5°	582.8	601.4	609.3	630.5	647.7	671.6	692.8	735.2	770.9	798.7	830.5
40°	545.7	553.7	568.3	586.8	601.4	619.9	646.4	676.9	715.3	737.8	765.6
42.5°	500.7	507.3	525.9	536.5	560.3	577.5	593.4	630.5	665.0	682.2	710.0
45°	451.7	467.6	479.5	500.7	513.9	535.1	555.0	581.5	613.3	633.2	649.1
47.5°	409.3	425.2	437.1	457.0	478.2	487.5	508.7	536.5	565.6	581.5	604.0
50°	374.9	380.2	402.7	412.0	434.5	453.0	467.6	491.4	523.2	532.5	551.0
52.5°	341.7	345.7	360.3	372.2	392.1	408.0	426.5	449.0	475.5	490.1	504.7
55°	312.6	315.3	321.9	335.1	348.4	368.2	385.5	406.7	429.2	445.1	458.3
57.5°	279.5	284.8	290.1	298.0	311.3	329.8	348.4	368.2	386.8	397.4	414.6
60°	241.1	249.0	258.3	267.6	276.8	290.1	311.3	329.8	347.0	356.3	369.6
62.5°	200.0	215.9	223.9	234.5	242.4	254.3	270.2	291.4	303.3	315.3	325.9
65°	180.1	181.5	182.8	193.4	208.0	219.9	234.5	250.4	268.9	276.8	284.8
67.5°	160.3	161.6	164.3	165.6	170.9	184.1	200.0	217.2	231.8	237.1	245.1
70°	140.4	140.4	145.7	147.0	148.4	149.7	162.9	180.1	193.4	200.0	209.3
72.5°	119.2	120.5	123.2	124.5	127.2	129.8	133.8	143.1	159.0	165.6	176.2
75°	98.0	99.3	100.7	102.0	106.0	107.3	111.3	116.6	123.2	131.1	137.8
77.5°	78.2	78.2	79.5	82.1	84.8	86.1	90.1	92.7	95.4	99.3	104.6
80°	58.3	59.6	59.6	62.3	62.3	63.6	64.9	68.9	71.5	74.2	76.8
82.5°	39.7	42.4	42.4	42.4	43.7	45.0	46.4	46.4	49.0	50.3	54.3
85°	23.8	25.2	25.2	25.2	23.8	26.5	26.5	27.8	27.8	27.8	29.1
87.5°	9.3	7.9	9.3	9.3	9.3	10.6	9.3	9.3	10.6	11.9	11.9
90°	17.1	16.3	15.6	14.8	14.0	12.8	11.5	10.3	9.0	8.4	7.5
92.5°	18.0	17.7	17.4	17.1	16.8	16.3	15.9	15.4	14.9	14.7	15.0
95°	30.5	29.7	29.0	28.2	27.4	26.3	25.2	24.1	23.0	22.4	25.0
97.5°	37.7	37.2	36.7	36.3	35.8	33.3	30.8	28.3	25.8	24.6	31.0
100°	45.0	43.7	42.5	41.2	40.0	37.4	34.7	32.1	29.4	28.1	38.8
102.5°	48.2	46.5	44.8	43.1	41.4	69.8	98.2	126.5	154.9	169.1	169.3
105°	49.6	47.9	46.2	44.5	42.8	85.4	127.9	170.5	213.0	234.3	232.0
107.5°	51.0	49.3	47.6	45.9	44.2	96.7	149.3	201.8	254.3	280.6	278.7
110°	60.4	76.0	91.6	107.2	122.8	167.8	212.9	257.9	303.0	325.5	323.9

TEST NUMBER: P1000187

CATALOG NUMBER: SA2XXRDIP-B865D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	87.6	154.8	222.0	289.2	356.4	359.0	361.7	364.3	367.0	368.3	366.9
115°	144.1	216.3	288.4	360.6	432.8	428.9	425.0	421.1	417.2	415.3	414.0
117.5°	381.5	403.8	426.1	448.4	470.7	468.1	465.4	462.8	460.1	458.8	457.2
120°	521.7	519.8	517.9	516.1	514.2	511.4	508.6	505.8	503.0	501.6	500.4
122.5°	559.3	558.4	557.5	556.5	555.6	552.5	549.4	546.3	543.2	541.6	540.4
125°	597.2	596.1	595.0	593.9	592.8	589.8	586.9	583.9	581.0	579.5	578.5
127.5°	633.4	631.9	630.3	628.8	627.2	624.8	622.5	620.1	617.8	616.6	615.5
130°	667.0	665.3	663.6	661.8	660.1	658.4	656.7	655.0	653.3	652.4	651.2
132.5°	698.7	697.3	695.9	694.5	693.1	691.4	689.7	688.0	686.3	685.4	684.4
135°	729.5	728.0	726.4	724.9	723.3	721.9	720.5	719.1	717.7	717.0	715.7
137.5°	758.3	756.7	755.2	753.6	752.0	750.4	748.9	747.3	745.8	745.0	744.1
140°	785.7	784.3	782.9	781.5	780.1	778.4	776.7	775.0	773.3	772.4	771.8
142.5°	811.1	809.8	808.6	807.3	806.1	804.1	802.0	800.0	797.9	796.9	796.4
145°	834.3	833.2	832.1	831.0	829.9	827.3	824.6	822.0	819.3	818.0	818.1
147.5°	854.8	854.0	853.3	852.5	851.7	849.0	846.4	843.7	841.0	839.7	839.9
150°	874.3	873.4	872.5	871.5	870.6	868.1	865.6	863.1	860.6	859.4	859.9
152.5°	891.9	891.0	890.0	889.1	888.1	885.8	883.4	881.1	878.8	877.6	878.2
155°	907.3	906.4	905.5	904.5	903.6	901.7	899.9	898.0	896.1	895.2	895.9
157.5°	921.3	920.2	919.1	918.0	916.9	915.5	914.1	912.7	911.3	910.6	911.2
160°	932.5	931.6	930.7	929.7	928.8	927.9	926.9	926.0	925.1	924.6	925.1
162.5°	943.8	942.7	941.6	940.5	939.4	938.6	937.8	937.0	936.2	935.8	936.3
165°	952.2	951.1	950.0	948.9	947.8	947.3	946.9	946.4	945.9	945.7	946.2
167.5°	959.9	958.8	957.7	956.6	955.5	955.0	954.6	954.1	953.6	953.4	953.9
170°	965.5	964.4	963.3	962.2	961.1	960.8	960.5	960.2	959.9	959.7	960.2
172.5°	969.7	968.6	967.5	966.4	965.3	965.0	964.7	964.4	964.1	963.9	964.4
175°	972.5	971.4	970.3	969.2	968.1	967.8	967.5	967.2	966.9	966.7	967.2
177.5°	973.2	972.1	971.0	969.9	968.8	968.6	968.5	968.3	968.2	968.1	968.6
180°	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5	969.5

TEST NUMBER: P1000187

CATALOG NUMBER: SA2XXRDIP-B865D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1906.1	1906.1	1906.1	1906.1
2.5°	1871.7	1867.7	1891.5	1918.0
5°	1833.3	1839.9	1870.3	1907.4
7.5°	1793.5	1808.1	1843.9	1892.9
10°	1737.9	1764.4	1818.7	1869.0
12.5°	1683.6	1719.3	1771.0	1830.6
15°	1622.6	1662.4	1726.0	1797.5
17.5°	1555.1	1600.1	1674.3	1752.5
20°	1483.6	1543.2	1621.3	1706.1
22.5°	1404.1	1475.6	1556.4	1650.5
25°	1327.3	1405.4	1486.2	1594.8
27.5°	1251.8	1328.6	1418.7	1528.6
30°	1176.3	1246.5	1343.2	1461.0
32.5°	1095.5	1168.3	1270.3	1390.8
35°	1021.3	1094.1	1189.5	1308.7
37.5°	941.8	1019.9	1111.3	1234.5
40°	849.1	940.5	1029.2	1147.1
42.5°	772.2	868.9	955.0	1066.3
45°	711.3	802.7	874.2	982.9
47.5°	654.4	728.5	801.4	902.1
50°	600.0	657.0	732.5	822.6
52.5°	544.4	593.4	658.3	743.1
55°	494.1	540.4	598.7	663.6
57.5°	447.7	480.8	539.1	597.4
60°	396.1	430.5	475.5	524.5
62.5°	352.3	378.8	421.2	462.3
65°	306.0	331.2	362.9	401.4
67.5°	263.6	286.1	311.3	341.7
70°	225.2	242.4	260.9	287.4
72.5°	184.1	202.7	219.9	241.1
75°	151.0	159.0	173.5	188.1
77.5°	116.6	127.2	135.1	147.0
80°	83.5	92.7	95.4	104.6
82.5°	55.6	60.9	66.2	68.9
85°	31.8	34.4	39.7	41.1
87.5°	11.9	13.2	15.9	18.5
90°	5.8	4.1	2.4	0.7
92.5°	15.6	16.3	16.9	17.5
95°	30.1	35.3	40.4	45.6
97.5°	43.8	56.5	69.3	82.1
100°	60.1	81.5	102.8	124.2
102.5°	169.6	169.9	170.2	170.5
105°	227.3	222.6	218.0	213.3
107.5°	274.8	270.9	267.0	263.1
110°	320.6	317.3	314.1	310.8



TEST NUMBER: P1000187

CATALOG NUMBER: SA2XXRDIP-B865D725UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	364.1	361.3	358.5	355.7
115°	411.3	408.7	406.0	403.4
117.5°	454.1	451.0	447.9	444.8
120°	498.1	495.8	493.4	491.1
122.5°	537.9	535.4	532.9	530.4
125°	576.4	574.4	572.3	570.3
127.5°	613.3	611.2	609.0	606.8
130°	648.7	646.2	643.7	641.2
132.5°	682.4	680.3	678.3	676.3
135°	713.2	710.7	708.2	705.7
137.5°	742.2	740.3	738.5	736.6
140°	770.5	769.3	768.0	766.8
142.5°	795.3	794.2	793.1	792.0
145°	818.2	818.4	818.5	818.7
147.5°	840.4	840.9	841.3	841.8
150°	861.0	862.1	863.2	864.3
152.5°	879.5	880.7	882.0	883.2
155°	897.3	898.7	900.1	901.5
157.5°	912.5	913.7	915.0	916.2
160°	926.0	926.9	927.9	928.8
162.5°	937.2	938.2	939.1	940.1
165°	947.1	948.0	949.0	949.9
167.5°	954.8	955.7	956.7	957.6
170°	961.1	962.0	963.0	963.9
172.5°	965.3	966.2	967.2	968.1
175°	968.3	969.4	970.5	971.6
177.5°	969.7	970.8	971.9	973.0
180°	969.5	969.5	969.5	969.5

(END OF REPORT)