

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: P1000069

Luminaire Tested: SA2XXRDIP-B865D1080UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1000069
REPORT IS A COMBINATION OF REPORTS P988626 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_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

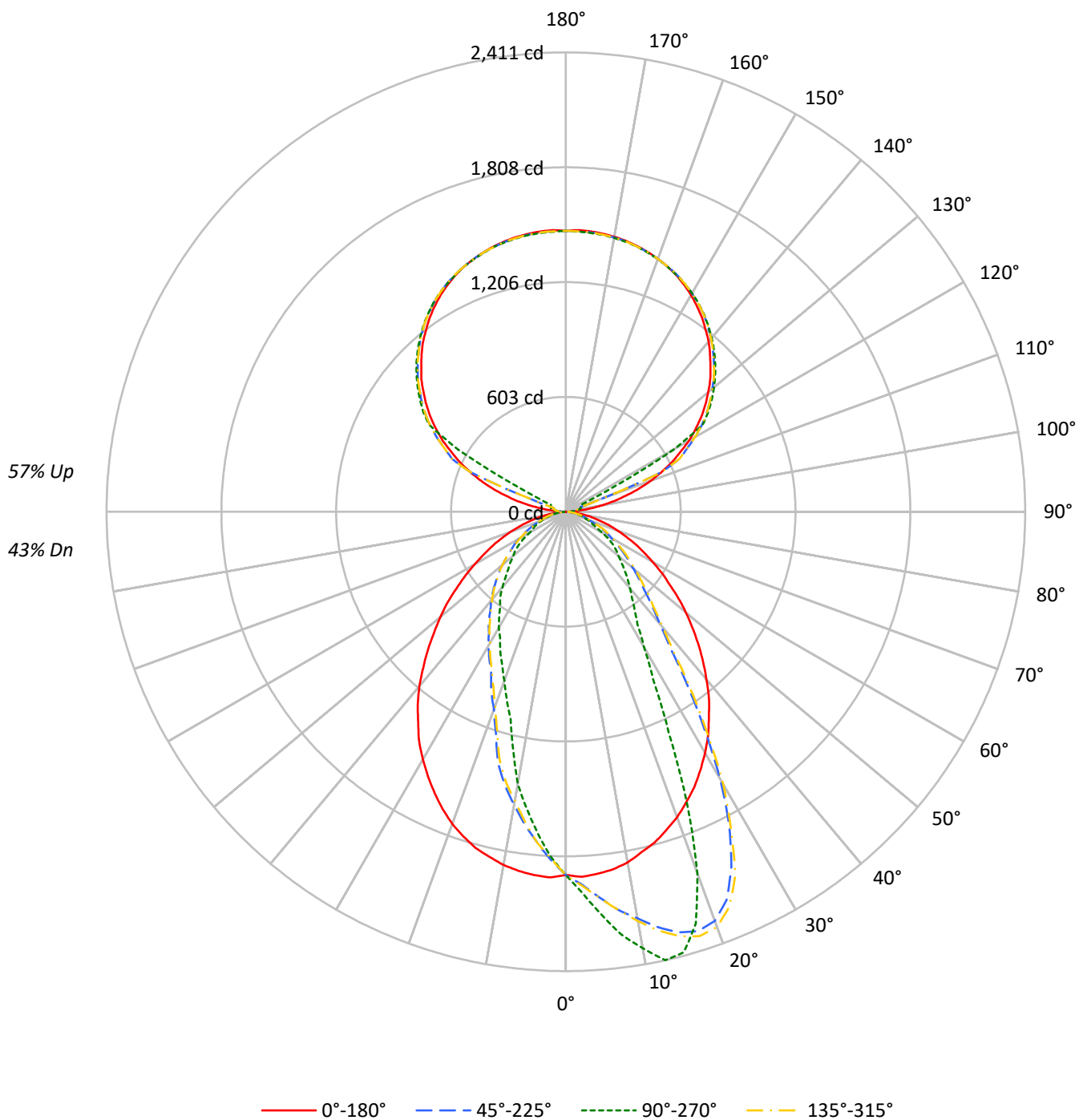
Lumens per Lamp: N/A
Luminaire Lumens: 7619.0 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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°	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

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.8	2.4
10°-20°	504.7	6.6
20°-30°	649.5	8.5
30°-40°	616.2	8.1
40°-50°	528.1	6.9
50°-60°	402.2	5.3
60°-70°	253.6	3.3
70°-80°	126.5	1.7
80°-90°	35.1	0.5
90°-100°	48.6	0.6
100°-110°	181.2	2.4
110°-120°	480.7	6.3
120°-130°	797.2	10.5
130°-140°	846.8	11.1
140°-150°	787.0	10.3
150°-160°	632.7	8.3
160°-170°	407.7	5.4
170°-180°	140.3	1.8
0°-30°	1334.9	17.5
0°-40°	1951.1	25.6
0°-60°	2881.3	37.8
0°-90°	3296.6	43.3
90°-120°	710.5	9.3
90°-150°	3141.6	41.2
90°-180°	4322.0	56.7
0°-180°	7619.0	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	29	1	29	1	6
95°	69	46	69	46	69	82
105°	324	81	324	81	324	347
115°	613	88	613	88	613	604
125°	867	912	867	912	867	774
135°	1073	1108	1073	1108	1073	829
145°	1245	1264	1245	1264	1245	779
155°	1371	1372	1371	1372	1371	632
165°	1444	1441	1444	1441	1444	408
175°	1478	1469	1478	1469	1478	141
180°	1474	1474	1474	1474	1474	

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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°	1.1	3.7	6.3	8.9	11.5	12.8	13.7	15.6	17.5	19.4	21.3
92.5°	26.7	25.7	24.8	23.8	22.9	22.4	22.8	23.5	24.2	24.9	25.6
95°	69.3	61.5	53.7	45.8	38.0	34.1	34.9	36.6	38.3	39.9	41.6
97.5°	124.8	105.4	85.9	66.5	47.0	37.3	39.2	43.0	46.8	50.6	54.4
100°	188.8	156.3	123.9	91.4	58.9	42.7	44.7	48.7	52.8	56.8	60.8
102.5°	259.2	258.7	258.3	257.8	257.3	257.1	235.5	192.4	149.2	106.1	62.9
105°	324.3	331.4	338.5	345.6	352.7	356.3	323.9	259.2	194.5	129.8	65.1
107.5°	400.1	406.0	411.9	417.8	423.7	426.7	386.8	306.9	227.0	147.1	67.2
110°	472.6	477.6	482.6	487.5	492.5	495.0	460.7	392.2	323.7	255.2	186.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	540.9	545.2	549.4	553.7	558.0	560.1	558.1	554.1	550.0	546.0	542.0
115°	613.4	617.4	621.5	625.5	629.6	631.6	634.6	640.5	646.4	652.3	658.2
117.5°	676.4	681.1	685.9	690.6	695.3	697.7	699.7	703.8	707.8	711.9	715.9
120°	746.8	750.4	753.9	757.5	761.0	762.8	764.9	769.2	773.5	777.7	782.0
122.5°	806.5	810.3	814.1	817.9	821.7	823.6	826.0	830.7	835.4	840.2	844.9
125°	867.4	870.5	873.5	876.6	879.7	881.2	883.5	888.0	892.5	897.0	901.5
127.5°	922.8	926.1	929.5	932.8	936.1	937.8	939.6	943.1	946.7	950.2	953.8
130°	975.1	978.9	982.7	986.5	990.3	992.2	993.5	996.1	998.7	1001.3	1003.9
132.5°	1028.4	1031.5	1034.6	1037.7	1040.8	1042.3	1043.6	1046.2	1048.9	1051.5	1054.1
135°	1073.3	1077.1	1080.9	1084.6	1088.4	1090.3	1091.4	1093.5	1095.6	1097.8	1099.9
137.5°	1120.2	1123.0	1125.9	1128.7	1131.6	1133.0	1134.2	1136.6	1138.9	1141.3	1143.7
140°	1166.1	1168.0	1169.9	1171.8	1173.7	1174.6	1175.9	1178.5	1181.1	1183.7	1186.3
142.5°	1204.5	1206.1	1207.8	1209.4	1211.1	1211.9	1213.4	1216.5	1219.6	1222.7	1225.8
145°	1245.0	1244.8	1244.6	1244.3	1244.1	1244.0	1246.0	1250.0	1254.1	1258.1	1262.1
147.5°	1280.2	1279.5	1278.8	1278.1	1277.4	1277.0	1279.0	1283.1	1287.1	1291.2	1295.2
150°	1314.4	1312.7	1311.1	1309.4	1307.7	1306.9	1308.8	1312.6	1316.4	1320.2	1324.0
152.5°	1343.2	1341.3	1339.4	1337.5	1335.6	1334.6	1336.4	1339.9	1343.5	1347.0	1350.6
155°	1370.9	1368.8	1366.6	1364.5	1362.4	1361.3	1362.7	1365.6	1368.4	1371.3	1374.1
157.5°	1393.3	1391.4	1389.5	1387.6	1385.7	1384.8	1385.9	1388.0	1390.1	1392.3	1394.4
160°	1412.5	1411.1	1409.7	1408.2	1406.8	1406.1	1406.8	1408.2	1409.7	1411.1	1412.5
162.5°	1429.6	1428.2	1426.8	1425.3	1423.9	1423.2	1423.8	1425.0	1426.1	1427.3	1428.5
165°	1444.5	1443.1	1441.7	1440.2	1438.8	1438.1	1438.5	1439.2	1439.9	1440.6	1441.3
167.5°	1456.3	1454.9	1453.5	1452.0	1450.6	1449.9	1450.3	1451.0	1451.7	1452.4	1453.1
170°	1465.9	1464.5	1463.1	1461.6	1460.2	1459.5	1459.7	1460.2	1460.7	1461.1	1461.6
172.5°	1472.3	1470.9	1469.5	1468.0	1466.6	1465.9	1466.1	1466.6	1467.1	1467.5	1468.0
175°	1477.6	1475.9	1474.3	1472.6	1470.9	1470.1	1470.3	1470.8	1471.3	1471.8	1472.3
177.5°	1479.7	1478.1	1476.4	1474.8	1473.1	1472.3	1472.4	1472.6	1472.9	1473.1	1473.3
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

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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°	22.5	23.7	24.9	26.1	26.7	26.9	27.4	27.9	28.3	28.8	28.3
92.5°	26.1	26.5	27.0	27.5	27.7	27.8	28.1	28.3	28.6	28.8	28.6
95°	42.8	44.0	45.1	46.3	46.9	46.8	46.6	46.3	46.1	45.9	46.1
97.5°	55.1	55.8	56.5	57.2	57.6	57.7	58.0	58.2	58.5	58.7	58.5
100°	62.7	64.6	66.5	68.4	69.3	69.5	70.0	70.5	71.0	71.5	71.0
102.5°	65.5	68.1	70.8	73.4	74.7	75.1	75.8	76.5	77.2	77.9	77.2
105°	67.7	70.3	72.9	75.5	76.8	77.3	78.2	79.2	80.1	81.1	80.1
107.5°	69.8	72.4	75.0	77.6	78.9	79.4	80.3	81.3	82.2	83.2	82.2
110°	163.0	139.3	115.6	91.9	80.0	80.5	81.4	82.4	83.3	84.3	83.3

TEST NUMBER: P1000069

CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	439.8	337.6	235.4	133.2	82.1	82.5	83.2	83.9	84.6	85.3	84.6
115°	548.4	438.7	328.9	219.2	164.3	155.8	138.7	121.6	104.6	87.5	104.6
117.5°	682.0	648.1	614.2	580.3	563.3	532.2	470.1	408.0	345.9	283.8	345.9
120°	784.8	787.7	790.5	793.4	794.8	778.8	746.8	714.8	682.8	650.8	682.8
122.5°	846.3	847.8	849.2	850.7	851.4	851.5	851.7	852.0	852.2	852.4	852.2
125°	903.2	904.8	906.5	908.2	909.0	909.4	910.1	910.8	911.5	912.2	911.5
127.5°	956.2	958.5	960.9	963.2	964.4	964.5	964.8	965.0	965.3	965.5	965.3
130°	1006.5	1009.1	1011.7	1014.3	1015.6	1015.5	1015.3	1015.0	1014.8	1014.6	1014.8
132.5°	1056.2	1058.4	1060.5	1062.6	1063.7	1063.6	1063.3	1063.1	1062.8	1062.6	1062.8
135°	1102.3	1104.7	1107.0	1109.4	1110.6	1110.4	1109.9	1109.4	1109.0	1108.5	1109.0
137.5°	1146.1	1148.4	1150.8	1153.1	1154.3	1153.9	1153.2	1152.5	1151.8	1151.1	1151.8
140°	1188.4	1190.6	1192.7	1194.8	1195.9	1195.3	1194.1	1193.0	1191.8	1190.6	1191.8
142.5°	1227.7	1229.6	1231.5	1233.4	1234.4	1233.8	1232.6	1231.4	1230.2	1229.0	1230.2
145°	1263.8	1265.4	1267.1	1268.8	1269.6	1269.0	1267.8	1266.6	1265.4	1264.2	1265.4
147.5°	1296.4	1297.6	1298.7	1299.9	1300.5	1300.0	1299.1	1298.1	1297.2	1296.2	1297.2
150°	1325.4	1326.8	1328.3	1329.7	1330.4	1329.8	1328.6	1327.4	1326.2	1325.0	1326.2
152.5°	1352.0	1353.4	1354.9	1356.3	1357.0	1356.2	1354.5	1352.9	1351.2	1349.6	1351.2
155°	1375.5	1376.9	1378.4	1379.8	1380.5	1379.6	1377.7	1375.8	1373.9	1372.0	1373.9
157.5°	1396.0	1397.7	1399.3	1401.0	1401.8	1400.9	1399.0	1397.1	1395.2	1393.3	1395.2
160°	1413.9	1415.3	1416.8	1418.2	1418.9	1418.1	1416.4	1414.7	1413.1	1411.4	1413.1
162.5°	1430.2	1431.8	1433.5	1435.2	1436.0	1434.9	1432.8	1430.7	1428.5	1426.4	1428.5
165°	1443.0	1444.6	1446.3	1448.0	1448.8	1448.0	1446.3	1444.6	1443.0	1441.3	1443.0
167.5°	1454.7	1456.4	1458.0	1459.7	1460.5	1459.4	1457.3	1455.2	1453.0	1450.9	1453.0
170°	1463.3	1464.9	1466.6	1468.3	1469.1	1468.0	1465.9	1463.8	1461.6	1459.5	1461.6
172.5°	1469.7	1471.3	1473.0	1474.7	1475.5	1474.4	1472.3	1470.2	1468.0	1465.9	1468.0
175°	1473.9	1475.6	1477.2	1478.9	1479.7	1478.5	1476.2	1473.8	1471.5	1469.1	1471.5
177.5°	1475.0	1476.6	1478.3	1480.0	1480.8	1479.7	1477.6	1475.5	1473.3	1471.2	1473.3
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

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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°	27.9	27.4	26.9	26.7	26.1	24.9	23.7	22.5	21.3	19.4	17.5
92.5°	28.3	28.1	27.8	27.7	27.5	27.0	26.5	26.1	25.6	24.9	24.2
95°	46.3	46.6	46.8	46.9	46.3	45.1	44.0	42.8	41.6	39.9	38.3
97.5°	58.2	58.0	57.7	57.6	57.2	56.5	55.8	55.1	54.4	50.6	46.8
100°	70.5	70.0	69.5	69.3	68.4	66.5	64.6	62.7	60.8	56.8	52.8
102.5°	76.5	75.8	75.1	74.7	73.4	70.8	68.1	65.5	62.9	106.1	149.2
105°	79.2	78.2	77.3	76.8	75.5	72.9	70.3	67.7	65.1	129.8	194.5
107.5°	81.3	80.3	79.4	78.9	77.6	75.0	72.4	69.8	67.2	147.1	227.0
110°	82.4	81.4	80.5	80.0	91.9	115.6	139.3	163.0	186.7	255.2	323.7

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CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	83.9	83.2	82.5	82.1	133.2	235.4	337.6	439.8	542.0	546.0	550.0
115°	121.6	138.7	155.8	164.3	219.2	328.9	438.7	548.4	658.2	652.3	646.4
117.5°	408.0	470.1	532.2	563.3	580.3	614.2	648.1	682.0	715.9	711.9	707.8
120°	714.8	746.8	778.8	794.8	793.4	790.5	787.7	784.8	782.0	777.7	773.5
122.5°	852.0	851.7	851.5	851.4	850.7	849.2	847.8	846.3	844.9	840.2	835.4
125°	910.8	910.1	909.4	909.0	908.2	906.5	904.8	903.2	901.5	897.0	892.5
127.5°	965.0	964.8	964.5	964.4	963.2	960.9	958.5	956.2	953.8	950.2	946.7
130°	1015.0	1015.3	1015.5	1015.6	1014.3	1011.7	1009.1	1006.5	1003.9	1001.3	998.7
132.5°	1063.1	1063.3	1063.6	1063.7	1062.6	1060.5	1058.4	1056.2	1054.1	1051.5	1048.9
135°	1109.4	1109.9	1110.4	1110.6	1109.4	1107.0	1104.7	1102.3	1099.9	1097.8	1095.6
137.5°	1152.5	1153.2	1153.9	1154.3	1153.1	1150.8	1148.4	1146.1	1143.7	1141.3	1138.9
140°	1193.0	1194.1	1195.3	1195.9	1194.8	1192.7	1190.6	1188.4	1186.3	1183.7	1181.1
142.5°	1231.4	1232.6	1233.8	1234.4	1233.4	1231.5	1229.6	1227.7	1225.8	1222.7	1219.6
145°	1266.6	1267.8	1269.0	1269.6	1268.8	1267.1	1265.4	1263.8	1262.1	1258.1	1254.1
147.5°	1298.1	1299.1	1300.0	1300.5	1299.9	1298.7	1297.6	1296.4	1295.2	1291.2	1287.1
150°	1327.4	1328.6	1329.8	1330.4	1329.7	1328.3	1326.8	1325.4	1324.0	1320.2	1316.4
152.5°	1352.9	1354.5	1356.2	1357.0	1356.3	1354.9	1353.4	1352.0	1350.6	1347.0	1343.5
155°	1375.8	1377.7	1379.6	1380.5	1379.8	1378.4	1376.9	1375.5	1374.1	1371.3	1368.4
157.5°	1397.1	1399.0	1400.9	1401.8	1401.0	1399.3	1397.7	1396.0	1394.4	1392.3	1390.1
160°	1414.7	1416.4	1418.1	1418.9	1418.2	1416.8	1415.3	1413.9	1412.5	1411.1	1409.7
162.5°	1430.7	1432.8	1434.9	1436.0	1435.2	1433.5	1431.8	1430.2	1428.5	1427.3	1426.1
165°	1444.6	1446.3	1448.0	1448.8	1448.0	1446.3	1444.6	1443.0	1441.3	1440.6	1439.9
167.5°	1455.2	1457.3	1459.4	1460.5	1459.7	1458.0	1456.4	1454.7	1453.1	1452.4	1451.7
170°	1463.8	1465.9	1468.0	1469.1	1468.3	1466.6	1464.9	1463.3	1461.6	1461.1	1460.7
172.5°	1470.2	1472.3	1474.4	1475.5	1474.7	1473.0	1471.3	1469.7	1468.0	1467.5	1467.1
175°	1473.8	1476.2	1478.5	1479.7	1478.9	1477.2	1475.6	1473.9	1472.3	1471.8	1471.3
177.5°	1475.5	1477.6	1479.7	1480.8	1480.0	1478.3	1476.6	1475.0	1473.3	1473.1	1472.9
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

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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°	15.6	13.7	12.8	11.5	8.9	6.3	3.7	1.1	3.7	6.3	8.9
92.5°	23.5	22.8	22.4	22.9	23.8	24.8	25.7	26.7	25.7	24.8	23.8
95°	36.6	34.9	34.1	38.0	45.8	53.7	61.5	69.3	61.5	53.7	45.8
97.5°	43.0	39.2	37.3	47.0	66.5	85.9	105.4	124.8	105.4	85.9	66.5
100°	48.7	44.7	42.7	58.9	91.4	123.9	156.3	188.8	156.3	123.9	91.4
102.5°	192.4	235.5	257.1	257.3	257.8	258.3	258.7	259.2	258.7	258.3	257.8
105°	259.2	323.9	356.3	352.7	345.6	338.5	331.4	324.3	331.4	338.5	345.6
107.5°	306.9	386.8	426.7	423.7	417.8	411.9	406.0	400.1	406.0	411.9	417.8
110°	392.2	460.7	495.0	492.5	487.5	482.6	477.6	472.6	477.6	482.6	487.5

TEST NUMBER: P1000069

CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	554.1	558.1	560.1	558.0	553.7	549.4	545.2	540.9	545.2	549.4	553.7
115°	640.5	634.6	631.6	629.6	625.5	621.5	617.4	613.4	617.4	621.5	625.5
117.5°	703.8	699.7	697.7	695.3	690.6	685.9	681.1	676.4	681.1	685.9	690.6
120°	769.2	764.9	762.8	761.0	757.5	753.9	750.4	746.8	750.4	753.9	757.5
122.5°	830.7	826.0	823.6	821.7	817.9	814.1	810.3	806.5	810.3	814.1	817.9
125°	888.0	883.5	881.2	879.7	876.6	873.5	870.5	867.4	870.5	873.5	876.6
127.5°	943.1	939.6	937.8	936.1	932.8	929.5	926.1	922.8	926.1	929.5	932.8
130°	996.1	993.5	992.2	990.3	986.5	982.7	978.9	975.1	978.9	982.7	986.5
132.5°	1046.2	1043.6	1042.3	1040.8	1037.7	1034.6	1031.5	1028.4	1031.5	1034.6	1037.7
135°	1093.5	1091.4	1090.3	1088.4	1084.6	1080.9	1077.1	1073.3	1077.1	1080.9	1084.6
137.5°	1136.6	1134.2	1133.0	1131.6	1128.7	1125.9	1123.0	1120.2	1123.0	1125.9	1128.7
140°	1178.5	1175.9	1174.6	1173.7	1171.8	1169.9	1168.0	1166.1	1168.0	1169.9	1171.8
142.5°	1216.5	1213.4	1211.9	1211.1	1209.4	1207.8	1206.1	1204.5	1206.1	1207.8	1209.4
145°	1250.0	1246.0	1244.0	1244.1	1244.3	1244.6	1244.8	1245.0	1244.8	1244.6	1244.3
147.5°	1283.1	1279.0	1277.0	1277.4	1278.1	1278.8	1279.5	1280.2	1279.5	1278.8	1278.1
150°	1312.6	1308.8	1306.9	1307.7	1309.4	1311.1	1312.7	1314.4	1312.7	1311.1	1309.4
152.5°	1339.9	1336.4	1334.6	1335.6	1337.5	1339.4	1341.3	1343.2	1341.3	1339.4	1337.5
155°	1365.6	1362.7	1361.3	1362.4	1364.5	1366.6	1368.8	1370.9	1368.8	1366.6	1364.5
157.5°	1388.0	1385.9	1384.8	1385.7	1387.6	1389.5	1391.4	1393.3	1391.4	1389.5	1387.6
160°	1408.2	1406.8	1406.1	1406.8	1408.2	1409.7	1411.1	1412.5	1411.1	1409.7	1408.2
162.5°	1425.0	1423.8	1423.2	1423.9	1425.3	1426.8	1428.2	1429.6	1428.2	1426.8	1425.3
165°	1439.2	1438.5	1438.1	1438.8	1440.2	1441.7	1443.1	1444.5	1443.1	1441.7	1440.2
167.5°	1451.0	1450.3	1449.9	1450.6	1452.0	1453.5	1454.9	1456.3	1454.9	1453.5	1452.0
170°	1460.2	1459.7	1459.5	1460.2	1461.6	1463.1	1464.5	1465.9	1464.5	1463.1	1461.6
172.5°	1466.6	1466.1	1465.9	1466.6	1468.0	1469.5	1470.9	1472.3	1470.9	1469.5	1468.0
175°	1470.8	1470.3	1470.1	1470.9	1472.6	1474.3	1475.9	1477.6	1475.9	1474.3	1472.6
177.5°	1472.6	1472.4	1472.3	1473.1	1474.8	1476.4	1478.1	1479.7	1478.1	1476.4	1474.8
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

TEST NUMBER: P1000069

CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-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°	11.5	12.8	13.7	15.6	17.5	19.4	21.3	22.5	23.7	24.9	26.1
92.5°	22.9	22.4	22.8	23.5	24.2	24.9	25.6	26.1	26.5	27.0	27.5
95°	38.0	34.1	34.9	36.6	38.3	39.9	41.6	42.8	44.0	45.1	46.3
97.5°	47.0	37.3	39.2	43.0	46.8	50.6	54.4	55.1	55.8	56.5	57.2
100°	58.9	42.7	44.7	48.7	52.8	56.8	60.8	62.7	64.6	66.5	68.4
102.5°	257.3	257.1	235.5	192.4	149.2	106.1	62.9	65.5	68.1	70.8	73.4
105°	352.7	356.3	323.9	259.2	194.5	129.8	65.1	67.7	70.3	72.9	75.5
107.5°	423.7	426.7	386.8	306.9	227.0	147.1	67.2	69.8	72.4	75.0	77.6
110°	492.5	495.0	460.7	392.2	323.7	255.2	186.7	163.0	139.3	115.6	91.9

TEST NUMBER: P1000069

CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	558.0	560.1	558.1	554.1	550.0	546.0	542.0	439.8	337.6	235.4	133.2
115°	629.6	631.6	634.6	640.5	646.4	652.3	658.2	548.4	438.7	328.9	219.2
117.5°	695.3	697.7	699.7	703.8	707.8	711.9	715.9	682.0	648.1	614.2	580.3
120°	761.0	762.8	764.9	769.2	773.5	777.7	782.0	784.8	787.7	790.5	793.4
122.5°	821.7	823.6	826.0	830.7	835.4	840.2	844.9	846.3	847.8	849.2	850.7
125°	879.7	881.2	883.5	888.0	892.5	897.0	901.5	903.2	904.8	906.5	908.2
127.5°	936.1	937.8	939.6	943.1	946.7	950.2	953.8	956.2	958.5	960.9	963.2
130°	990.3	992.2	993.5	996.1	998.7	1001.3	1003.9	1006.5	1009.1	1011.7	1014.3
132.5°	1040.8	1042.3	1043.6	1046.2	1048.9	1051.5	1054.1	1056.2	1058.4	1060.5	1062.6
135°	1088.4	1090.3	1091.4	1093.5	1095.6	1097.8	1099.9	1102.3	1104.7	1107.0	1109.4
137.5°	1131.6	1133.0	1134.2	1136.6	1138.9	1141.3	1143.7	1146.1	1148.4	1150.8	1153.1
140°	1173.7	1174.6	1175.9	1178.5	1181.1	1183.7	1186.3	1188.4	1190.6	1192.7	1194.8
142.5°	1211.1	1211.9	1213.4	1216.5	1219.6	1222.7	1225.8	1227.7	1229.6	1231.5	1233.4
145°	1244.1	1244.0	1246.0	1250.0	1254.1	1258.1	1262.1	1263.8	1265.4	1267.1	1268.8
147.5°	1277.4	1277.0	1279.0	1283.1	1287.1	1291.2	1295.2	1296.4	1297.6	1298.7	1299.9
150°	1307.7	1306.9	1308.8	1312.6	1316.4	1320.2	1324.0	1325.4	1326.8	1328.3	1329.7
152.5°	1335.6	1334.6	1336.4	1339.9	1343.5	1347.0	1350.6	1352.0	1353.4	1354.9	1356.3
155°	1362.4	1361.3	1362.7	1365.6	1368.4	1371.3	1374.1	1375.5	1376.9	1378.4	1379.8
157.5°	1385.7	1384.8	1385.9	1388.0	1390.1	1392.3	1394.4	1396.0	1397.7	1399.3	1401.0
160°	1406.8	1406.1	1406.8	1408.2	1409.7	1411.1	1412.5	1413.9	1415.3	1416.8	1418.2
162.5°	1423.9	1423.2	1423.8	1425.0	1426.1	1427.3	1428.5	1430.2	1431.8	1433.5	1435.2
165°	1438.8	1438.1	1438.5	1439.2	1439.9	1440.6	1441.3	1443.0	1444.6	1446.3	1448.0
167.5°	1450.6	1449.9	1450.3	1451.0	1451.7	1452.4	1453.1	1454.7	1456.4	1458.0	1459.7
170°	1460.2	1459.5	1459.7	1460.2	1460.7	1461.1	1461.6	1463.3	1464.9	1466.6	1468.3
172.5°	1466.6	1465.9	1466.1	1466.6	1467.1	1467.5	1468.0	1469.7	1471.3	1473.0	1474.7
175°	1470.9	1470.1	1470.3	1470.8	1471.3	1471.8	1472.3	1473.9	1475.6	1477.2	1478.9
177.5°	1473.1	1472.3	1472.4	1472.6	1472.9	1473.1	1473.3	1475.0	1476.6	1478.3	1480.0
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

TEST NUMBER: P1000069

CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-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°	26.7	26.9	27.4	27.9	28.3	28.8	28.3	27.9	27.4	26.9	26.7
92.5°	27.7	27.8	28.1	28.3	28.6	28.8	28.6	28.3	28.1	27.8	27.7
95°	46.9	46.8	46.6	46.3	46.1	45.9	46.1	46.3	46.6	46.8	46.9
97.5°	57.6	57.7	58.0	58.2	58.5	58.7	58.5	58.2	58.0	57.7	57.6
100°	69.3	69.5	70.0	70.5	71.0	71.5	71.0	70.5	70.0	69.5	69.3
102.5°	74.7	75.1	75.8	76.5	77.2	77.9	77.2	76.5	75.8	75.1	74.7
105°	76.8	77.3	78.2	79.2	80.1	81.1	80.1	79.2	78.2	77.3	76.8
107.5°	78.9	79.4	80.3	81.3	82.2	83.2	82.2	81.3	80.3	79.4	78.9
110°	80.0	80.5	81.4	82.4	83.3	84.3	83.3	82.4	81.4	80.5	80.0

TEST NUMBER: P1000069

CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	82.1	82.5	83.2	83.9	84.6	85.3	84.6	83.9	83.2	82.5	82.1
115°	164.3	155.8	138.7	121.6	104.6	87.5	104.6	121.6	138.7	155.8	164.3
117.5°	563.3	532.2	470.1	408.0	345.9	283.8	345.9	408.0	470.1	532.2	563.3
120°	794.8	778.8	746.8	714.8	682.8	650.8	682.8	714.8	746.8	778.8	794.8
122.5°	851.4	851.5	851.7	852.0	852.2	852.4	852.2	852.0	851.7	851.5	851.4
125°	909.0	909.4	910.1	910.8	911.5	912.2	911.5	910.8	910.1	909.4	909.0
127.5°	964.4	964.5	964.8	965.0	965.3	965.5	965.3	965.0	964.8	964.5	964.4
130°	1015.6	1015.5	1015.3	1015.0	1014.8	1014.6	1014.8	1015.0	1015.3	1015.5	1015.6
132.5°	1063.7	1063.6	1063.3	1063.1	1062.8	1062.6	1062.8	1063.1	1063.3	1063.6	1063.7
135°	1110.6	1110.4	1109.9	1109.4	1109.0	1108.5	1109.0	1109.4	1109.9	1110.4	1110.6
137.5°	1154.3	1153.9	1153.2	1152.5	1151.8	1151.1	1151.8	1152.5	1153.2	1153.9	1154.3
140°	1195.9	1195.3	1194.1	1193.0	1191.8	1190.6	1191.8	1193.0	1194.1	1195.3	1195.9
142.5°	1234.4	1233.8	1232.6	1231.4	1230.2	1229.0	1230.2	1231.4	1232.6	1233.8	1234.4
145°	1269.6	1269.0	1267.8	1266.6	1265.4	1264.2	1265.4	1266.6	1267.8	1269.0	1269.6
147.5°	1300.5	1300.0	1299.1	1298.1	1297.2	1296.2	1297.2	1298.1	1299.1	1300.0	1300.5
150°	1330.4	1329.8	1328.6	1327.4	1326.2	1325.0	1326.2	1327.4	1328.6	1329.8	1330.4
152.5°	1357.0	1356.2	1354.5	1352.9	1351.2	1349.6	1351.2	1352.9	1354.5	1356.2	1357.0
155°	1380.5	1379.6	1377.7	1375.8	1373.9	1372.0	1373.9	1375.8	1377.7	1379.6	1380.5
157.5°	1401.8	1400.9	1399.0	1397.1	1395.2	1393.3	1395.2	1397.1	1399.0	1400.9	1401.8
160°	1418.9	1418.1	1416.4	1414.7	1413.1	1411.4	1413.1	1414.7	1416.4	1418.1	1418.9
162.5°	1436.0	1434.9	1432.8	1430.7	1428.5	1426.4	1428.5	1430.7	1432.8	1434.9	1436.0
165°	1448.8	1448.0	1446.3	1444.6	1443.0	1441.3	1443.0	1444.6	1446.3	1448.0	1448.8
167.5°	1460.5	1459.4	1457.3	1455.2	1453.0	1450.9	1453.0	1455.2	1457.3	1459.4	1460.5
170°	1469.1	1468.0	1465.9	1463.8	1461.6	1459.5	1461.6	1463.8	1465.9	1468.0	1469.1
172.5°	1475.5	1474.4	1472.3	1470.2	1468.0	1465.9	1468.0	1470.2	1472.3	1474.4	1475.5
175°	1479.7	1478.5	1476.2	1473.8	1471.5	1469.1	1471.5	1473.8	1476.2	1478.5	1479.7
177.5°	1480.8	1479.7	1477.6	1475.5	1473.3	1471.2	1473.3	1475.5	1477.6	1479.7	1480.8
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

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CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-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°	26.1	24.9	23.7	22.5	21.3	19.4	17.5	15.6	13.7	12.8	11.5
92.5°	27.5	27.0	26.5	26.1	25.6	24.9	24.2	23.5	22.8	22.4	22.9
95°	46.3	45.1	44.0	42.8	41.6	39.9	38.3	36.6	34.9	34.1	38.0
97.5°	57.2	56.5	55.8	55.1	54.4	50.6	46.8	43.0	39.2	37.3	47.0
100°	68.4	66.5	64.6	62.7	60.8	56.8	52.8	48.7	44.7	42.7	58.9
102.5°	73.4	70.8	68.1	65.5	62.9	106.1	149.2	192.4	235.5	257.1	257.3
105°	75.5	72.9	70.3	67.7	65.1	129.8	194.5	259.2	323.9	356.3	352.7
107.5°	77.6	75.0	72.4	69.8	67.2	147.1	227.0	306.9	386.8	426.7	423.7
110°	91.9	115.6	139.3	163.0	186.7	255.2	323.7	392.2	460.7	495.0	492.5

TEST NUMBER: P1000069

CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	133.2	235.4	337.6	439.8	542.0	546.0	550.0	554.1	558.1	560.1	558.0
115°	219.2	328.9	438.7	548.4	658.2	652.3	646.4	640.5	634.6	631.6	629.6
117.5°	580.3	614.2	648.1	682.0	715.9	711.9	707.8	703.8	699.7	697.7	695.3
120°	793.4	790.5	787.7	784.8	782.0	777.7	773.5	769.2	764.9	762.8	761.0
122.5°	850.7	849.2	847.8	846.3	844.9	840.2	835.4	830.7	826.0	823.6	821.7
125°	908.2	906.5	904.8	903.2	901.5	897.0	892.5	888.0	883.5	881.2	879.7
127.5°	963.2	960.9	958.5	956.2	953.8	950.2	946.7	943.1	939.6	937.8	936.1
130°	1014.3	1011.7	1009.1	1006.5	1003.9	1001.3	998.7	996.1	993.5	992.2	990.3
132.5°	1062.6	1060.5	1058.4	1056.2	1054.1	1051.5	1048.9	1046.2	1043.6	1042.3	1040.8
135°	1109.4	1107.0	1104.7	1102.3	1099.9	1097.8	1095.6	1093.5	1091.4	1090.3	1088.4
137.5°	1153.1	1150.8	1148.4	1146.1	1143.7	1141.3	1138.9	1136.6	1134.2	1133.0	1131.6
140°	1194.8	1192.7	1190.6	1188.4	1186.3	1183.7	1181.1	1178.5	1175.9	1174.6	1173.7
142.5°	1233.4	1231.5	1229.6	1227.7	1225.8	1222.7	1219.6	1216.5	1213.4	1211.9	1211.1
145°	1268.8	1267.1	1265.4	1263.8	1262.1	1258.1	1254.1	1250.0	1246.0	1244.0	1244.1
147.5°	1299.9	1298.7	1297.6	1296.4	1295.2	1291.2	1287.1	1283.1	1279.0	1277.0	1277.4
150°	1329.7	1328.3	1326.8	1325.4	1324.0	1320.2	1316.4	1312.6	1308.8	1306.9	1307.7
152.5°	1356.3	1354.9	1353.4	1352.0	1350.6	1347.0	1343.5	1339.9	1336.4	1334.6	1335.6
155°	1379.8	1378.4	1376.9	1375.5	1374.1	1371.3	1368.4	1365.6	1362.7	1361.3	1362.4
157.5°	1401.0	1399.3	1397.7	1396.0	1394.4	1392.3	1390.1	1388.0	1385.9	1384.8	1385.7
160°	1418.2	1416.8	1415.3	1413.9	1412.5	1411.1	1409.7	1408.2	1406.8	1406.1	1406.8
162.5°	1435.2	1433.5	1431.8	1430.2	1428.5	1427.3	1426.1	1425.0	1423.8	1423.2	1423.9
165°	1448.0	1446.3	1444.6	1443.0	1441.3	1440.6	1439.9	1439.2	1438.5	1438.1	1438.8
167.5°	1459.7	1458.0	1456.4	1454.7	1453.1	1452.4	1451.7	1451.0	1450.3	1449.9	1450.6
170°	1468.3	1466.6	1464.9	1463.3	1461.6	1461.1	1460.7	1460.2	1459.7	1459.5	1460.2
172.5°	1474.7	1473.0	1471.3	1469.7	1468.0	1467.5	1467.1	1466.6	1466.1	1465.9	1466.6
175°	1478.9	1477.2	1475.6	1473.9	1472.3	1471.8	1471.3	1470.8	1470.3	1470.1	1470.9
177.5°	1480.0	1478.3	1476.6	1475.0	1473.3	1473.1	1472.9	1472.6	1472.4	1472.3	1473.1
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

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CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-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°	8.9	6.3	3.7	1.1
92.5°	23.8	24.8	25.7	26.7
95°	45.8	53.7	61.5	69.3
97.5°	66.5	85.9	105.4	124.8
100°	91.4	123.9	156.3	188.8
102.5°	257.8	258.3	258.7	259.2
105°	345.6	338.5	331.4	324.3
107.5°	417.8	411.9	406.0	400.1
110°	487.5	482.6	477.6	472.6

TEST NUMBER: P1000069

CATALOG NUMBER: SA2XXRDIP-B865D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	553.7	549.4	545.2	540.9
115°	625.5	621.5	617.4	613.4
117.5°	690.6	685.9	681.1	676.4
120°	757.5	753.9	750.4	746.8
122.5°	817.9	814.1	810.3	806.5
125°	876.6	873.5	870.5	867.4
127.5°	932.8	929.5	926.1	922.8
130°	986.5	982.7	978.9	975.1
132.5°	1037.7	1034.6	1031.5	1028.4
135°	1084.6	1080.9	1077.1	1073.3
137.5°	1128.7	1125.9	1123.0	1120.2
140°	1171.8	1169.9	1168.0	1166.1
142.5°	1209.4	1207.8	1206.1	1204.5
145°	1244.3	1244.6	1244.8	1245.0
147.5°	1278.1	1278.8	1279.5	1280.2
150°	1309.4	1311.1	1312.7	1314.4
152.5°	1337.5	1339.4	1341.3	1343.2
155°	1364.5	1366.6	1368.8	1370.9
157.5°	1387.6	1389.5	1391.4	1393.3
160°	1408.2	1409.7	1411.1	1412.5
162.5°	1425.3	1426.8	1428.2	1429.6
165°	1440.2	1441.7	1443.1	1444.5
167.5°	1452.0	1453.5	1454.9	1456.3
170°	1461.6	1463.1	1464.5	1465.9
172.5°	1468.0	1469.5	1470.9	1472.3
175°	1472.6	1474.3	1475.9	1477.6
177.5°	1474.8	1476.4	1478.1	1479.7
180°	1474.4	1474.4	1474.4	1474.4

(END OF REPORT)