

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: P1000756

Luminaire Tested: SA4XXDIP-B1020D810UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1000756
REPORT IS A COMBINATION OF REPORTS P995369 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-B1020D810UB2750-4F0-XX-W2A-A_3000K
Description: Define 4 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

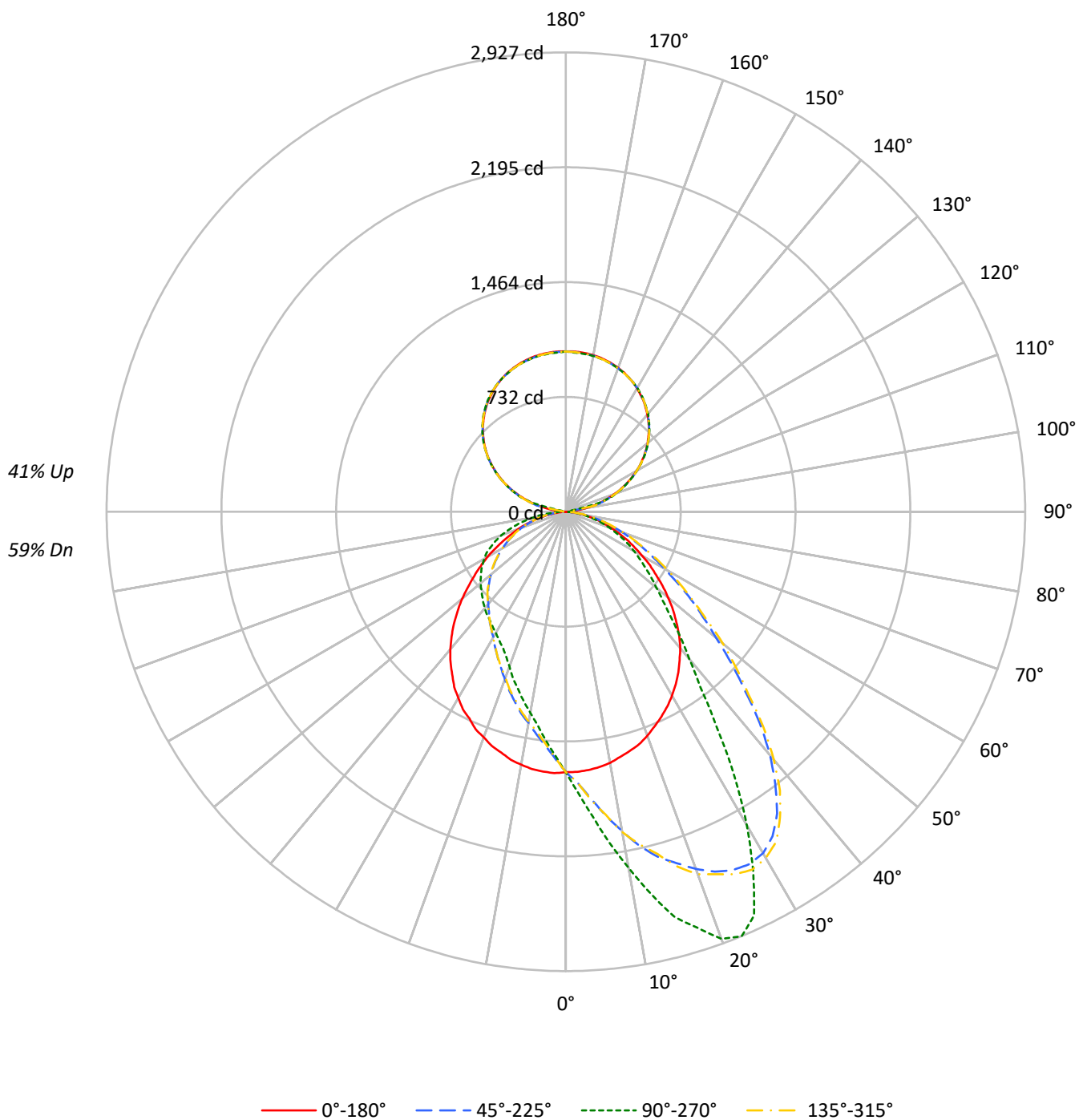
Lumens per Lamp: N/A
Luminaire Lumens: 7738.0 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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

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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				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	109	109	109	109	102	102	102	102	88	88	88	76	76	76	65	65	65
1	100	96	92	88	93	90	86	83	78	76	73	67	66	64	57	56	55
2	91	84	78	73	85	79	73	69	69	65	61	59	56	54	51	49	47
3	84	74	67	61	78	69	63	58	61	56	52	53	49	46	45	43	40
4	77	66	58	52	71	62	55	49	54	49	44	47	43	40	41	37	35
5	70	59	51	45	66	55	48	43	49	43	38	43	38	34	37	33	30
6	65	53	45	39	61	50	42	37	44	38	34	39	34	30	33	30	27
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	31	27	24
8	56	44	36	30	52	41	34	29	37	31	27	32	28	24	28	24	22
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	22	20
10	49	37	29	25	46	35	28	24	31	25	22	27	23	20	24	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13526	13526	13526	13526
5°	13492	15517	13570	11660
10°	13391	18104	13493	10229
15°	13230	20870	13322	9153
20°	13058	22631	13153	8206
25°	12809	22372	12931	7507
30°	12564	18491	12717	7148
35°	12222	13779	12356	6930
40°	11820	10380	11935	6823
45°	11209	8331	11349	6677
50°	10479	7019	10631	6609
55°	9620	6108	9771	6531
60°	8787	5380	9043	6423
65°	8003	4629	8078	6155
70°	7081	3808	7235	5667
75°	6179	2926	6138	4816
80°	4861	1923	4804	3655
85°	3202	864	2998	2132

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 17489 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.4	2.1
10°-20°	498.3	6.4
20°-30°	791.6	10.2
30°-40°	879.6	11.4
40°-50°	799.9	10.3
50°-60°	653.6	8.4
60°-70°	466.6	6.0
70°-80°	256.7	3.3
80°-90°	71.5	0.9
90°-100°	33.9	0.4
100°-110°	223.1	2.9
110°-120°	426.1	5.5
120°-130°	541.0	7.0
130°-140°	578.7	7.5
140°-150°	541.2	7.0
150°-160°	436.4	5.6
160°-170°	281.4	3.6
170°-180°	97.0	1.3
0°-30°	1451.2	18.8
0°-40°	2330.8	30.1
0°-60°	3784.3	48.9
0°-90°	4579.1	59.2
90°-120°	683.2	8.8
90°-150°	2344.0	30.3
90°-180°	3159.0	40.8
0°-180°	7738.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1659	1659	1659	1659	1659	
5°	1652	1946	1661	1462	1652	157
15°	1578	2673	1589	1172	1578	445
25°	1440	2838	1454	952	1440	664
35°	1249	1678	1263	844	1249	780
45°	996	941	1009	754	996	768
55°	701	616	712	658	701	630
65°	437	396	441	526	437	432
75°	214	198	213	326	214	225
85°	44	41	41	102	44	51
90°	2	23	2	23	2	5
95°	42	22	42	22	42	52
105°	230	218	230	218	230	241
115°	429	432	429	432	429	422
125°	603	608	603	608	603	539
135°	748	754	748	754	748	577
145°	863	867	863	867	863	539
155°	946	945	946	945	946	436
165°	998	993	998	993	998	282
175°	1021	1015	1021	1015	1021	97
180°	1021	1021	1021	1021	1021	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7
2.5°	1658.7	1675.2	1682.0	1687.5	1705.4	1710.9	1712.3	1720.5	1727.4	1728.8	1728.8
5°	1651.8	1677.9	1698.5	1717.8	1746.6	1759.0	1774.1	1790.6	1812.6	1826.3	1833.2
7.5°	1640.8	1679.3	1710.9	1743.9	1783.7	1808.5	1822.2	1866.2	1896.4	1921.2	1951.4
10°	1624.3	1673.8	1719.1	1767.2	1823.6	1853.8	1884.0	1937.6	1980.2	2028.3	2066.8
12.5°	1599.6	1664.2	1719.1	1786.5	1856.6	1892.3	1928.0	2021.5	2070.9	2113.5	2182.3
15°	1577.6	1642.2	1720.5	1789.2	1875.8	1929.4	1981.6	2042.1	2120.4	2212.5	2278.4
17.5°	1552.9	1633.9	1706.8	1803.0	1899.2	1950.0	1992.6	2086.1	2196.0	2286.7	2347.2
20°	1518.5	1601.0	1697.2	1798.8	1912.9	1952.8	2009.1	2134.2	2233.1	2322.4	2421.4
22.5°	1478.7	1574.9	1676.5	1774.1	1892.3	1976.1	2038.0	2147.9	2267.5	2370.5	2481.8
25°	1440.2	1544.6	1633.9	1767.2	1892.3	1948.6	2018.7	2149.3	2279.8	2404.9	2518.9
27.5°	1399.0	1496.5	1617.5	1723.3	1864.8	1926.6	2002.2	2145.1	2283.9	2409.0	2531.3
30°	1353.6	1458.0	1558.4	1683.4	1820.8	1900.5	1970.6	2125.9	2267.5	2398.0	2512.1
32.5°	1302.8	1401.7	1508.9	1627.1	1771.4	1852.4	1940.4	2099.8	2251.0	2363.6	2451.6
35°	1249.2	1349.5	1442.9	1563.9	1712.3	1793.4	1878.6	2054.5	2204.2	2296.3	2347.2
37.5°	1190.1	1284.9	1377.0	1496.5	1644.9	1731.5	1818.1	1988.5	2130.0	2207.0	2193.2
40°	1133.7	1218.9	1304.1	1416.8	1572.1	1664.2	1739.8	1911.5	2035.2	2068.2	2022.8
42.5°	1069.1	1142.0	1224.4	1339.9	1491.0	1577.6	1672.4	1829.1	1921.2	1907.4	1830.5
45°	996.3	1060.9	1143.3	1251.9	1405.8	1495.1	1574.9	1723.3	1790.6	1756.2	1616.1
47.5°	926.2	989.4	1056.8	1165.3	1315.1	1390.7	1471.8	1605.1	1643.6	1570.7	1430.6
50°	850.6	902.9	972.9	1076.0	1216.2	1295.9	1363.2	1470.4	1484.2	1394.8	1249.2
52.5°	777.8	821.8	889.1	990.8	1121.4	1184.6	1250.5	1345.4	1334.4	1242.3	1102.1
55°	700.8	742.1	803.9	897.4	1012.8	1073.3	1129.6	1213.4	1190.1	1095.2	972.9
57.5°	636.3	665.1	725.6	812.2	907.0	972.9	1021.0	1087.0	1051.3	956.5	842.4
60°	562.1	597.8	648.6	718.7	812.2	856.1	898.7	942.7	918.0	827.3	725.6
62.5°	494.7	522.2	566.2	633.5	706.3	746.2	791.5	819.0	794.3	710.5	625.3
65°	437.0	459.0	493.3	548.3	618.4	651.4	677.5	703.6	683.0	604.7	542.8
67.5°	373.8	393.0	421.9	465.9	525.0	548.3	573.0	590.9	567.6	515.3	454.9
70°	317.4	331.2	358.7	391.7	432.9	454.9	475.5	493.3	472.7	428.8	383.4
72.5°	259.7	270.7	295.5	318.8	355.9	371.0	386.2	399.9	393.0	351.8	314.7
75°	214.4	218.5	235.0	254.2	277.6	294.1	305.1	313.3	307.8	274.8	251.5
77.5°	162.2	167.7	180.0	195.1	215.8	225.4	232.2	240.5	233.6	207.5	191.0
80°	118.2	119.6	126.4	140.2	153.9	155.3	162.2	173.2	169.0	151.2	138.8
82.5°	75.6	79.7	82.5	90.7	100.3	103.1	107.2	109.9	108.6	97.6	93.4
85°	44.0	44.0	46.7	52.2	55.0	59.1	60.5	61.8	64.6	57.7	53.6
87.5°	19.2	20.6	20.6	22.0	24.7	24.7	26.1	27.5	28.9	27.5	23.4
90°	2.3	4.2	6.0	7.9	9.8	10.7	11.4	12.7	14.1	15.4	16.8
92.5°	11.5	11.1	10.8	10.4	10.1	9.9	10.6	11.9	13.3	14.6	16.0
95°	42.0	36.2	30.4	24.7	18.9	16.0	16.1	16.3	16.4	16.6	16.8
97.5°	80.2	83.9	87.7	91.4	95.1	97.0	88.1	70.3	52.4	34.6	16.8
100°	125.2	128.3	131.3	134.4	137.5	139.0	127.3	103.9	80.4	57.0	33.6
102.5°	175.6	177.6	179.7	181.7	183.8	184.8	185.8	187.8	189.9	191.9	193.9
105°	229.8	230.8	231.8	232.9	233.9	234.4	234.8	235.7	236.5	237.4	238.2
107.5°	279.5	280.0	280.5	281.0	281.5	281.7	282.3	283.5	284.7	285.9	287.1
110°	329.9	330.4	330.9	331.4	331.9	332.1	332.6	333.6	334.7	335.7	336.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	378.7	379.7	380.7	381.8	382.8	383.3	383.5	383.8	384.1	384.5	384.8
115°	429.1	429.6	430.1	430.6	431.1	431.4	431.3	431.1	431.0	430.8	430.6
117.5°	474.2	474.9	475.5	476.2	476.9	477.2	477.5	478.0	478.5	479.0	479.5
120°	520.0	520.7	521.3	522.0	522.7	523.0	522.9	522.8	522.6	522.5	522.3
122.5°	562.7	563.1	563.4	563.8	564.1	564.3	564.5	564.8	565.1	565.5	565.8
125°	603.2	603.9	604.6	605.3	606.0	606.3	606.1	605.8	605.4	605.1	604.7
127.5°	642.1	642.3	642.5	642.6	642.8	642.9	643.3	644.2	645.0	645.9	646.7
130°	679.6	679.8	679.9	680.1	680.2	680.3	680.6	681.1	681.6	682.1	682.6
132.5°	713.9	714.2	714.6	714.9	715.2	715.4	715.7	716.4	717.1	717.8	718.5
135°	748.3	748.1	747.9	747.8	747.6	747.5	747.8	748.5	749.2	749.9	750.6
137.5°	778.8	778.8	778.8	778.8	778.8	778.8	779.2	780.1	780.9	781.8	782.6
140°	808.6	808.9	809.3	809.6	809.9	810.1	810.3	810.6	810.9	811.3	811.6
142.5°	835.3	836.0	836.7	837.4	838.1	838.4	838.5	838.6	838.8	838.9	839.1
145°	862.8	863.3	863.8	864.3	864.8	865.1	865.1	865.1	865.1	865.1	865.1
147.5°	884.2	885.2	886.2	887.3	888.3	888.8	888.7	888.5	888.4	888.2	888.0
150°	907.9	908.6	909.2	909.9	910.6	910.9	910.8	910.6	910.5	910.3	910.1
152.5°	927.7	928.2	928.7	929.2	929.7	930.0	929.8	929.5	929.2	928.8	928.5
155°	946.0	946.2	946.4	946.5	946.7	946.8	946.5	946.0	945.5	945.0	944.5
157.5°	962.1	962.1	962.1	962.1	962.1	962.1	961.8	961.1	960.4	959.7	959.0
160°	975.8	975.3	974.8	974.3	973.8	973.5	973.4	973.3	973.1	973.0	972.8
162.5°	988.0	987.3	986.7	986.0	985.3	985.0	984.9	984.7	984.6	984.4	984.2
165°	998.0	997.1	996.3	995.4	994.5	994.1	994.1	994.1	994.1	994.1	994.1
167.5°	1006.3	1005.5	1004.6	1003.8	1002.9	1002.5	1002.4	1002.3	1002.1	1002.0	1001.8
170°	1013.2	1012.2	1011.2	1010.1	1009.1	1008.6	1008.7	1008.9	1009.0	1009.2	1009.4
172.5°	1017.8	1016.8	1015.8	1014.7	1013.7	1013.2	1013.3	1013.5	1013.6	1013.8	1014.0
175°	1020.9	1019.9	1018.9	1017.8	1016.8	1016.3	1016.4	1016.5	1016.7	1016.8	1017.0
177.5°	1023.1	1021.9	1020.7	1019.6	1018.4	1017.8	1018.0	1018.3	1018.6	1019.0	1019.3
180°	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7
2.5°	1732.9	1757.6	1768.6	1771.4	1786.5	1776.9	1781.0	1779.6	1790.6	1792.0	1792.0
5°	1859.3	1888.2	1897.8	1911.5	1932.1	1937.6	1933.5	1941.8	1956.9	1945.9	1962.4
7.5°	1992.6	2024.2	2046.2	2076.4	2083.3	2101.2	2112.2	2121.8	2124.5	2125.9	2128.7
10°	2116.3	2156.1	2186.4	2237.2	2248.2	2257.8	2305.9	2286.7	2311.4	2303.2	2305.9
12.5°	2216.6	2294.9	2319.7	2404.9	2413.1	2446.1	2443.4	2473.6	2479.1	2490.1	2479.1
15°	2348.5	2439.2	2479.1	2527.2	2554.7	2593.1	2600.0	2641.2	2657.7	2672.8	2657.7
17.5°	2469.5	2517.6	2619.3	2657.7	2675.6	2696.2	2748.4	2763.5	2788.3	2778.7	2806.1
20°	2529.9	2598.6	2705.8	2771.8	2799.3	2818.5	2862.5	2885.9	2895.5	2895.5	2898.2
22.5°	2583.5	2682.5	2762.2	2837.8	2862.5	2876.2	2902.3	2920.2	2924.3	2927.1	2929.8
25°	2631.6	2720.9	2785.5	2828.1	2837.8	2837.8	2852.9	2841.9	2824.0	2837.8	2846.0
27.5°	2631.6	2694.8	2723.7	2738.8	2738.8	2701.7	2679.7	2634.4	2595.9	2584.9	2609.6
30°	2587.6	2616.5	2576.7	2539.5	2510.7	2486.0	2399.4	2330.7	2316.9	2307.3	2344.4
32.5°	2486.0	2448.9	2370.5	2263.3	2220.7	2164.4	2097.1	2044.8	2013.2	2002.2	1994.0
35°	2305.9	2209.7	2108.0	1963.8	1933.5	1862.1	1770.0	1731.5	1679.3	1677.9	1695.8
37.5°	2109.4	1961.0	1851.1	1713.6	1671.0	1595.5	1508.9	1469.0	1433.3	1405.8	1438.8
40°	1879.9	1750.7	1583.1	1470.4	1409.9	1370.1	1297.3	1253.3	1236.8	1223.1	1243.7
42.5°	1665.5	1524.0	1393.5	1278.0	1228.5	1183.2	1135.1	1092.5	1080.1	1078.8	1093.9
45°	1452.5	1313.7	1192.8	1093.9	1062.3	1034.8	988.1	975.7	955.1	941.3	948.2
47.5°	1282.1	1139.2	1038.9	963.3	935.8	912.5	882.2	861.6	843.8	838.3	846.5
50°	1114.5	1018.3	915.2	852.0	831.4	809.4	786.1	766.8	758.6	753.1	758.6
52.5°	979.8	876.7	806.7	755.8	735.2	718.7	702.2	694.0	683.0	685.7	691.2
55°	858.9	768.2	709.1	672.0	659.6	652.8	632.1	622.5	618.4	615.6	618.4
57.5°	744.8	678.9	634.9	603.3	586.8	582.7	566.2	566.2	562.1	557.9	559.3
60°	654.1	597.8	555.2	530.4	527.7	520.8	509.8	508.5	498.8	503.0	504.3
62.5°	562.1	516.7	487.8	472.7	463.1	460.4	453.5	452.1	448.0	449.4	446.6
65°	489.2	452.1	423.3	410.9	406.8	405.4	399.9	395.8	393.0	395.8	393.0
67.5°	416.4	391.7	369.7	357.3	351.8	350.4	346.3	343.6	344.9	340.8	343.6
70°	347.7	322.9	309.2	302.3	299.6	295.5	295.5	295.5	295.5	292.7	291.3
72.5°	292.7	268.0	258.4	254.2	251.5	250.1	246.0	247.4	246.0	244.6	250.1
75°	232.2	217.1	207.5	203.4	206.1	202.0	197.9	200.6	196.5	197.9	203.4
77.5°	175.9	169.0	163.5	160.8	158.0	155.3	155.3	152.5	152.5	152.5	152.5
80°	127.8	126.4	116.8	115.4	115.4	112.7	112.7	112.7	112.7	111.3	112.7
82.5°	85.2	83.8	81.1	79.7	77.0	78.3	78.3	75.6	75.6	74.2	75.6
85°	49.5	49.5	46.7	45.3	44.0	45.3	42.6	41.2	42.6	41.2	42.6
87.5°	23.4	20.6	22.0	20.6	17.9	19.2	16.5	17.9	16.5	15.1	17.9
90°	17.8	18.8	19.9	20.9	21.4	21.6	21.9	22.2	22.6	22.9	22.6
92.5°	17.0	18.0	19.1	20.1	20.6	20.6	20.6	20.6	20.6	20.6	20.6
95°	17.8	18.8	19.9	20.9	21.4	21.5	21.6	21.8	21.9	22.1	21.9
97.5°	17.6	18.5	19.3	20.2	20.6	20.7	20.9	21.0	21.2	21.4	21.2
100°	30.7	27.8	24.9	22.0	20.6	20.7	20.9	21.0	21.2	21.4	21.2
102.5°	155.7	117.5	79.4	41.2	22.1	22.1	22.1	22.1	22.1	22.1	22.1
105°	239.7	241.3	242.8	244.3	245.1	242.0	235.9	229.8	223.7	217.6	223.7
107.5°	287.9	288.8	289.6	290.5	290.9	291.2	291.9	292.6	293.3	294.0	293.3
110°	337.0	337.4	337.7	338.0	338.2	338.5	339.0	339.5	340.0	340.5	340.0

TEST NUMBER: P1000756

CATALOG NUMBER: SA4XXDIP-B1020D810UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	384.6	384.5	384.3	384.2	384.1	384.4	385.1	385.8	386.4	387.1	386.4
115°	431.0	431.3	431.7	432.0	432.2	432.2	432.2	432.2	432.2	432.2	432.2
117.5°	479.3	479.1	479.0	478.8	478.7	478.7	478.7	478.7	478.7	478.7	478.7
120°	522.6	523.0	523.3	523.6	523.8	523.6	523.3	523.0	522.6	522.3	522.6
122.5°	566.0	566.1	566.3	566.4	566.5	566.3	566.0	565.7	565.3	565.0	565.3
125°	605.2	605.7	606.2	606.7	607.0	607.1	607.3	607.4	607.6	607.8	607.6
127.5°	646.5	646.4	646.2	646.1	646.0	645.9	645.7	645.6	645.4	645.2	645.4
130°	682.8	683.0	683.1	683.3	683.4	683.4	683.4	683.4	683.4	683.4	683.4
132.5°	718.7	718.9	719.0	719.2	719.3	719.2	719.0	718.9	718.7	718.5	718.7
135°	750.9	751.3	751.6	751.9	752.1	752.3	752.6	752.9	753.3	753.6	753.3
137.5°	783.0	783.3	783.7	784.0	784.2	784.1	783.9	783.8	783.6	783.4	783.6
140°	812.1	812.6	813.1	813.6	813.9	814.0	814.2	814.3	814.5	814.7	814.5
142.5°	839.5	839.8	840.2	840.5	840.7	840.7	840.7	840.7	840.7	840.7	840.7
145°	865.3	865.5	865.6	865.8	865.9	866.1	866.4	866.7	867.1	867.4	867.1
147.5°	888.2	888.4	888.5	888.7	888.8	888.9	889.0	889.2	889.3	889.5	889.3
150°	910.1	910.1	910.1	910.1	910.1	910.2	910.4	910.5	910.7	910.9	910.7
152.5°	928.8	929.2	929.5	929.8	930.0	929.9	929.7	929.6	929.4	929.2	929.4
155°	945.2	945.9	946.6	947.3	947.6	947.3	946.8	946.3	945.8	945.3	945.8
157.5°	959.8	960.7	961.5	962.4	962.8	962.4	961.5	960.7	959.8	959.0	959.8
160°	973.8	974.8	975.8	976.8	977.3	976.8	975.8	974.8	973.8	972.8	973.8
162.5°	985.2	986.2	987.3	988.3	988.8	988.2	987.0	985.8	984.6	983.4	984.6
165°	995.5	996.8	998.2	999.5	1000.2	999.4	997.9	996.4	994.9	993.4	994.9
167.5°	1003.3	1004.8	1006.3	1007.8	1008.6	1007.8	1006.1	1004.4	1002.7	1001.0	1002.7
170°	1010.8	1012.1	1013.5	1014.8	1015.5	1014.7	1013.0	1011.3	1009.6	1007.9	1009.6
172.5°	1015.4	1016.7	1018.1	1019.4	1020.1	1019.2	1017.3	1015.4	1013.6	1011.7	1013.6
175°	1018.5	1020.1	1021.6	1023.1	1023.9	1022.9	1020.8	1018.8	1016.7	1014.7	1016.7
177.5°	1020.7	1022.0	1023.4	1024.7	1025.4	1024.4	1022.4	1020.3	1018.3	1016.3	1018.3
180°	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9

TEST NUMBER: P1000756

CATALOG NUMBER: SA4XXDIP-B1020D810UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7
2.5°	1789.2	1785.1	1779.6	1779.6	1772.7	1772.7	1761.7	1742.5	1726.0	1720.5	1723.3
5°	1941.8	1943.1	1934.9	1928.0	1915.7	1906.0	1888.2	1853.8	1842.8	1820.8	1805.7
7.5°	2116.3	2110.8	2095.7	2084.7	2081.9	2059.9	2021.5	1980.2	1947.3	1925.3	1893.7
10°	2312.8	2290.8	2268.8	2262.0	2245.5	2208.4	2164.4	2119.0	2073.7	2025.6	1972.0
12.5°	2477.7	2435.1	2433.7	2417.2	2385.6	2365.0	2312.8	2248.2	2169.9	2116.3	2055.8
15°	2655.0	2615.1	2582.1	2551.9	2536.8	2476.3	2432.4	2351.3	2257.8	2200.1	2158.9
17.5°	2781.4	2763.5	2707.2	2693.5	2672.8	2602.8	2532.7	2453.0	2371.9	2290.8	2179.5
20°	2883.1	2872.1	2835.0	2815.8	2782.8	2727.8	2642.6	2550.5	2457.1	2341.7	2237.2
22.5°	2927.1	2913.3	2883.1	2866.6	2846.0	2799.3	2726.4	2622.0	2499.7	2396.6	2285.3
25°	2840.5	2865.2	2857.0	2850.1	2841.9	2814.4	2759.4	2667.4	2547.8	2431.0	2292.2
27.5°	2645.4	2688.0	2729.2	2734.7	2748.4	2759.4	2737.4	2671.5	2571.2	2447.5	2294.9
30°	2382.9	2402.1	2486.0	2510.7	2529.9	2600.0	2641.2	2624.8	2547.8	2436.5	2296.3
32.5°	2046.2	2097.1	2182.3	2241.3	2293.6	2371.9	2479.1	2521.7	2494.2	2403.5	2264.7
35°	1727.4	1787.9	1886.8	1962.4	2014.6	2125.9	2252.3	2344.4	2378.8	2333.4	2209.7
37.5°	1466.3	1539.1	1627.1	1655.9	1716.4	1853.8	2028.3	2156.1	2240.0	2244.1	2147.9
40°	1269.8	1306.9	1377.0	1420.9	1480.0	1595.5	1765.9	1934.9	2061.3	2103.9	2053.1
42.5°	1103.5	1132.4	1184.6	1238.2	1291.8	1379.7	1536.4	1694.4	1864.8	1950.0	1948.6
45°	971.6	1001.8	1037.5	1081.5	1118.6	1213.4	1337.1	1499.3	1646.3	1778.2	1811.2
47.5°	856.1	882.2	926.2	945.5	970.2	1059.5	1166.7	1317.9	1470.4	1621.6	1660.1
50°	770.9	792.9	823.2	835.5	863.0	929.0	1016.9	1139.2	1308.3	1447.0	1518.5
52.5°	694.0	710.5	733.8	743.5	762.7	812.2	891.9	988.1	1128.2	1271.1	1371.5
55°	628.0	639.0	655.5	666.5	680.2	724.2	783.3	869.9	990.8	1114.5	1212.1
57.5°	566.2	574.4	590.9	596.4	607.4	641.8	683.0	755.8	867.1	977.1	1071.9
60°	508.5	514.0	523.6	535.9	544.2	567.6	606.0	666.5	755.8	856.1	933.1
62.5°	453.5	461.7	464.5	470.0	476.9	498.8	529.1	573.0	651.4	733.8	814.9
65°	397.1	404.0	409.5	410.9	417.8	434.3	461.7	500.2	551.1	622.5	698.1
67.5°	344.9	349.1	351.8	357.3	364.2	372.4	394.4	423.3	470.0	527.7	588.2
70°	296.8	296.8	301.0	302.3	310.6	320.2	329.8	357.3	398.5	445.2	486.5
72.5°	244.6	251.5	250.1	257.0	255.6	262.5	274.8	292.7	322.9	360.0	399.9
75°	199.3	203.4	203.4	203.4	206.1	211.6	218.5	235.0	258.4	288.6	311.9
77.5°	155.3	158.0	158.0	158.0	159.4	164.9	171.8	182.8	199.3	217.1	230.9
80°	111.3	114.1	114.1	116.8	116.8	118.2	125.1	130.6	138.8	152.5	166.3
82.5°	75.6	77.0	79.7	79.7	78.3	81.1	82.5	87.9	96.2	98.9	108.6
85°	41.2	42.6	44.0	44.0	45.3	48.1	46.7	52.2	52.2	57.7	60.5
87.5°	16.5	19.2	19.2	17.9	19.2	19.2	19.2	22.0	23.4	24.7	23.4
90°	22.2	21.9	21.6	21.4	20.9	19.9	18.8	17.8	16.8	15.4	14.1
92.5°	20.6	20.6	20.6	20.6	20.1	19.1	18.0	17.0	16.0	14.6	13.3
95°	21.8	21.6	21.5	21.4	20.9	19.9	18.8	17.8	16.8	16.6	16.4
97.5°	21.0	20.9	20.7	20.6	20.2	19.3	18.5	17.6	16.8	34.6	52.4
100°	21.0	20.9	20.7	20.6	22.0	24.9	27.8	30.7	33.6	57.0	80.4
102.5°	22.1	22.1	22.1	22.1	41.2	79.4	117.5	155.7	193.9	191.9	189.9
105°	229.8	235.9	242.0	245.1	244.3	242.8	241.3	239.7	238.2	237.4	236.5
107.5°	292.6	291.9	291.2	290.9	290.5	289.6	288.8	287.9	287.1	285.9	284.7
110°	339.5	339.0	338.5	338.2	338.0	337.7	337.4	337.0	336.7	335.7	334.7



TEST NUMBER: P1000756

CATALOG NUMBER: SA4XXDIP-B1020D810UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	385.8	385.1	384.4	384.1	384.2	384.3	384.5	384.6	384.8	384.5	384.1
115°	432.2	432.2	432.2	432.2	432.0	431.7	431.3	431.0	430.6	430.8	431.0
117.5°	478.7	478.7	478.7	478.7	478.8	479.0	479.1	479.3	479.5	479.0	478.5
120°	523.0	523.3	523.6	523.8	523.6	523.3	523.0	522.6	522.3	522.5	522.6
122.5°	565.7	566.0	566.3	566.5	566.4	566.3	566.1	566.0	565.8	565.5	565.1
125°	607.4	607.3	607.1	607.0	606.7	606.2	605.7	605.2	604.7	605.1	605.4
127.5°	645.6	645.7	645.9	646.0	646.1	646.2	646.4	646.5	646.7	645.9	645.0
130°	683.4	683.4	683.4	683.4	683.3	683.1	683.0	682.8	682.6	682.1	681.6
132.5°	718.9	719.0	719.2	719.3	719.2	719.0	718.9	718.7	718.5	717.8	717.1
135°	752.9	752.6	752.3	752.1	751.9	751.6	751.3	750.9	750.6	749.9	749.2
137.5°	783.8	783.9	784.1	784.2	784.0	783.7	783.3	783.0	782.6	781.8	780.9
140°	814.3	814.2	814.0	813.9	813.6	813.1	812.6	812.1	811.6	811.3	810.9
142.5°	840.7	840.7	840.7	840.7	840.5	840.2	839.8	839.5	839.1	838.9	838.8
145°	866.7	866.4	866.1	865.9	865.8	865.6	865.5	865.3	865.1	865.1	865.1
147.5°	889.2	889.0	888.9	888.8	888.7	888.5	888.4	888.2	888.0	888.2	888.4
150°	910.5	910.4	910.2	910.1	910.1	910.1	910.1	910.1	910.1	910.3	910.5
152.5°	929.6	929.7	929.9	930.0	929.8	929.5	929.2	928.8	928.5	928.8	929.2
155°	946.3	946.8	947.3	947.6	947.3	946.6	945.9	945.2	944.5	945.0	945.5
157.5°	960.7	961.5	962.4	962.8	962.4	961.5	960.7	959.8	959.0	959.7	960.4
160°	974.8	975.8	976.8	977.3	976.8	975.8	974.8	973.8	972.8	973.0	973.1
162.5°	985.8	987.0	988.2	988.8	988.3	987.3	986.2	985.2	984.2	984.4	984.6
165°	996.4	997.9	999.4	1000.2	999.5	998.2	996.8	995.5	994.1	994.1	994.1
167.5°	1004.4	1006.1	1007.8	1008.6	1007.8	1006.3	1004.8	1003.3	1001.8	1002.0	1002.1
170°	1011.3	1013.0	1014.7	1015.5	1014.8	1013.5	1012.1	1010.8	1009.4	1009.2	1009.0
172.5°	1015.4	1017.3	1019.2	1020.1	1019.4	1018.1	1016.7	1015.4	1014.0	1013.8	1013.6
175°	1018.8	1020.8	1022.9	1023.9	1023.1	1021.6	1020.1	1018.5	1017.0	1016.8	1016.7
177.5°	1020.3	1022.4	1024.4	1025.4	1024.7	1023.4	1022.0	1020.7	1019.3	1019.0	1018.6
180°	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9

TEST NUMBER: P1000756

CATALOG NUMBER: SA4XXDIP-B1020D810UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7
2.5°	1710.9	1705.4	1701.3	1701.3	1688.9	1676.5	1669.7	1666.9	1664.2	1653.2	1638.1
5°	1781.0	1763.1	1750.7	1738.4	1717.8	1695.8	1673.8	1661.4	1643.6	1618.8	1601.0
7.5°	1859.3	1816.7	1803.0	1787.9	1746.6	1709.5	1679.3	1653.2	1624.3	1592.7	1561.1
10°	1925.3	1879.9	1849.7	1823.6	1770.0	1720.5	1675.2	1636.7	1599.6	1558.4	1519.9
12.5°	1988.5	1923.9	1892.3	1853.8	1797.5	1726.0	1666.9	1618.8	1563.9	1521.3	1474.5
15°	2076.4	1967.9	1915.7	1890.9	1815.3	1731.5	1660.1	1588.6	1543.2	1478.7	1437.4
17.5°	2090.2	2002.2	1967.9	1904.7	1814.0	1719.1	1636.7	1565.2	1496.5	1438.8	1385.2
20°	2138.3	2022.8	1967.9	1928.0	1808.5	1712.3	1621.6	1529.5	1463.5	1401.7	1341.2
22.5°	2168.5	2038.0	1980.2	1917.0	1803.0	1687.5	1580.3	1500.6	1419.6	1356.3	1308.3
25°	2160.3	2029.7	1965.1	1906.0	1767.2	1651.8	1555.6	1453.9	1378.3	1309.6	1246.4
27.5°	2156.1	2009.1	1940.4	1874.4	1743.9	1622.9	1502.0	1419.6	1335.7	1256.0	1209.3
30°	2145.1	1983.0	1903.3	1831.8	1695.8	1569.4	1466.3	1370.1	1286.3	1213.4	1151.6
32.5°	2108.0	1939.0	1862.1	1785.1	1643.6	1517.1	1412.7	1323.4	1239.5	1164.0	1104.9
35°	2058.6	1886.8	1803.0	1721.9	1580.3	1452.5	1356.3	1262.9	1184.6	1111.7	1055.4
37.5°	2009.1	1826.3	1748.0	1654.6	1524.0	1390.7	1291.8	1207.9	1135.1	1059.5	997.7
40°	1937.6	1754.9	1668.3	1588.6	1436.1	1311.0	1220.3	1144.7	1073.3	1001.8	949.6
42.5°	1840.1	1676.5	1587.2	1499.3	1356.3	1232.7	1144.7	1077.4	1010.0	951.0	893.2
45°	1741.1	1581.7	1502.0	1423.7	1268.4	1151.6	1070.5	1008.7	952.3	887.7	841.0
47.5°	1621.6	1486.9	1407.2	1330.2	1183.2	1066.4	992.2	934.5	882.2	828.7	784.7
50°	1499.3	1382.5	1309.6	1229.9	1089.8	983.9	911.1	863.0	820.4	769.6	733.8
52.5°	1367.3	1265.7	1203.8	1126.9	1003.2	905.6	831.4	783.3	747.6	710.5	678.9
55°	1227.2	1153.0	1087.0	1025.2	908.4	820.4	754.4	711.8	687.1	652.8	625.3
57.5°	1100.7	1029.3	989.4	919.3	817.7	731.1	678.9	643.1	614.3	593.7	571.7
60°	968.8	911.1	867.1	816.3	727.0	654.1	599.2	578.5	548.3	533.2	523.6
62.5°	842.4	801.2	759.9	721.5	641.8	573.0	531.8	505.7	487.8	472.7	464.5
65°	722.8	684.4	655.5	621.1	555.2	500.2	461.7	441.1	423.3	419.1	409.5
67.5°	606.0	589.5	557.9	530.4	474.1	431.5	402.6	376.5	366.9	362.8	354.5
70°	507.1	487.8	463.1	439.7	397.1	360.0	333.9	324.3	310.6	309.2	299.6
72.5°	417.8	394.4	376.5	358.7	327.1	294.1	280.3	266.6	259.7	254.2	250.1
75°	331.2	314.7	302.3	287.2	259.7	237.7	218.5	213.0	208.9	207.5	204.8
77.5°	247.4	236.4	230.9	215.8	196.5	177.3	169.0	160.8	160.8	158.0	159.4
80°	175.9	169.0	162.2	153.9	137.4	129.2	122.3	116.8	114.1	112.7	114.1
82.5°	111.3	107.2	105.8	100.3	89.3	85.2	79.7	75.6	75.6	75.6	75.6
85°	61.8	61.8	61.8	53.6	49.5	45.3	42.6	41.2	41.2	41.2	42.6
87.5°	26.1	26.1	22.0	22.0	20.6	17.9	16.5	16.5	17.9	17.9	19.2
90°	12.7	11.4	10.7	9.8	7.9	6.0	4.2	2.3	4.2	6.0	7.9
92.5°	11.9	10.6	9.9	10.1	10.4	10.8	11.1	11.5	11.1	10.8	10.4
95°	16.3	16.1	16.0	18.9	24.7	30.4	36.2	42.0	36.2	30.4	24.7
97.5°	70.3	88.1	97.0	95.1	91.4	87.7	83.9	80.2	83.9	87.7	91.4
100°	103.9	127.3	139.0	137.5	134.4	131.3	128.3	125.2	128.3	131.3	134.4
102.5°	187.8	185.8	184.8	183.8	181.7	179.7	177.6	175.6	177.6	179.7	181.7
105°	235.7	234.8	234.4	233.9	232.9	231.8	230.8	229.8	230.8	231.8	232.9
107.5°	283.5	282.3	281.7	281.5	281.0	280.5	280.0	279.5	280.0	280.5	281.0
110°	333.6	332.6	332.1	331.9	331.4	330.9	330.4	329.9	330.4	330.9	331.4

TEST NUMBER: P1000756

CATALOG NUMBER: SA4XXDIP-B1020D810UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	383.8	383.5	383.3	382.8	381.8	380.7	379.7	378.7	379.7	380.7	381.8
115°	431.1	431.3	431.4	431.1	430.6	430.1	429.6	429.1	429.6	430.1	430.6
117.5°	478.0	477.5	477.2	476.9	476.2	475.5	474.9	474.2	474.9	475.5	476.2
120°	522.8	522.9	523.0	522.7	522.0	521.3	520.7	520.0	520.7	521.3	522.0
122.5°	564.8	564.5	564.3	564.1	563.8	563.4	563.1	562.7	563.1	563.4	563.8
125°	605.8	606.1	606.3	606.0	605.3	604.6	603.9	603.2	603.9	604.6	605.3
127.5°	644.2	643.3	642.9	642.8	642.6	642.5	642.3	642.1	642.3	642.5	642.6
130°	681.1	680.6	680.3	680.2	680.1	679.9	679.8	679.6	679.8	679.9	680.1
132.5°	716.4	715.7	715.4	715.2	714.9	714.6	714.2	713.9	714.2	714.6	714.9
135°	748.5	747.8	747.5	747.6	747.8	747.9	748.1	748.3	748.1	747.9	747.8
137.5°	780.1	779.2	778.8	778.8	778.8	778.8	778.8	778.8	778.8	778.8	778.8
140°	810.6	810.3	810.1	809.9	809.6	809.3	808.9	808.6	808.9	809.3	809.6
142.5°	838.6	838.5	838.4	838.1	837.4	836.7	836.0	835.3	836.0	836.7	837.4
145°	865.1	865.1	865.1	864.8	864.3	863.8	863.3	862.8	863.3	863.8	864.3
147.5°	888.5	888.7	888.8	888.3	887.3	886.2	885.2	884.2	885.2	886.2	887.3
150°	910.6	910.8	910.9	910.6	909.9	909.2	908.6	907.9	908.6	909.2	909.9
152.5°	929.5	929.8	930.0	929.7	929.2	928.7	928.2	927.7	928.2	928.7	929.2
155°	946.0	946.5	946.8	946.7	946.5	946.4	946.2	946.0	946.2	946.4	946.5
157.5°	961.1	961.8	962.1	962.1	962.1	962.1	962.1	962.1	962.1	962.1	962.1
160°	973.3	973.4	973.5	973.8	974.3	974.8	975.3	975.8	975.3	974.8	974.3
162.5°	984.7	984.9	985.0	985.3	986.0	986.7	987.3	988.0	987.3	986.7	986.0
165°	994.1	994.1	994.1	994.5	995.4	996.3	997.1	998.0	997.1	996.3	995.4
167.5°	1002.3	1002.4	1002.5	1002.9	1003.8	1004.6	1005.5	1006.3	1005.5	1004.6	1003.8
170°	1008.9	1008.7	1008.6	1009.1	1010.1	1011.2	1012.2	1013.2	1012.2	1011.2	1010.1
172.5°	1013.5	1013.3	1013.2	1013.7	1014.7	1015.8	1016.8	1017.8	1016.8	1015.8	1014.7
175°	1016.5	1016.4	1016.3	1016.8	1017.8	1018.9	1019.9	1020.9	1019.9	1018.9	1017.8
177.5°	1018.3	1018.0	1017.8	1018.4	1019.6	1020.7	1021.9	1023.1	1021.9	1020.7	1019.6
180°	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9

TEST NUMBER: P1000756

CATALOG NUMBER: SA4XXDIP-B1020D810UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7
2.5°	1633.9	1628.4	1631.2	1617.5	1605.1	1587.2	1572.1	1569.4	1566.6	1574.9	1569.4
5°	1587.2	1580.3	1573.5	1557.0	1532.2	1517.1	1495.1	1493.8	1485.5	1473.2	1475.9
7.5°	1536.4	1532.2	1522.6	1496.5	1474.5	1448.4	1430.6	1415.4	1408.6	1397.6	1393.5
10°	1495.1	1480.0	1471.8	1442.9	1416.8	1389.3	1366.0	1355.0	1342.6	1333.0	1326.1
12.5°	1438.8	1434.7	1411.3	1388.0	1366.0	1334.4	1316.5	1284.9	1268.4	1276.6	1273.9
15°	1401.7	1382.5	1377.0	1344.0	1306.9	1286.3	1253.3	1232.7	1225.8	1213.4	1198.3
17.5°	1352.2	1339.9	1320.6	1290.4	1247.8	1218.9	1195.6	1176.3	1168.1	1151.6	1139.2
20°	1305.5	1284.9	1269.8	1242.3	1201.1	1164.0	1135.1	1122.7	1102.1	1088.4	1081.5
22.5°	1262.9	1247.8	1225.8	1184.6	1148.8	1113.1	1078.8	1060.9	1041.7	1033.4	1022.4
25°	1210.7	1185.9	1170.8	1125.5	1087.0	1058.1	1026.5	1003.2	992.2	978.4	975.7
27.5°	1159.8	1136.5	1118.6	1078.8	1032.0	994.9	975.7	959.2	940.0	940.0	933.1
30°	1109.0	1092.5	1065.0	1026.5	982.6	946.8	924.8	909.7	902.9	897.4	896.0
32.5°	1058.1	1036.2	1019.7	967.4	934.5	901.5	885.0	872.6	864.4	863.0	864.4
35°	1005.9	981.2	964.7	918.0	885.0	854.8	847.9	836.9	832.8	831.4	838.3
37.5°	951.0	931.7	911.1	872.6	835.5	817.7	803.9	799.8	798.4	806.7	809.4
40°	900.1	883.6	864.4	823.2	795.7	776.4	769.6	765.4	770.9	779.2	783.3
42.5°	852.0	828.7	813.5	776.4	751.7	740.7	732.5	732.5	738.0	747.6	754.4
45°	801.2	783.3	768.2	735.2	713.2	700.8	699.5	700.8	707.7	714.6	722.8
47.5°	751.7	733.8	717.3	689.9	670.6	663.7	662.4	663.7	674.7	684.4	694.0
50°	706.3	687.1	672.0	645.9	630.8	622.5	623.9	630.8	639.0	652.8	665.1
52.5°	652.8	639.0	625.3	601.9	588.2	582.7	586.8	592.3	607.4	617.0	632.1
55°	600.5	588.2	577.2	559.3	548.3	544.2	546.9	555.2	567.6	584.0	601.9
57.5°	552.4	538.7	527.7	515.3	503.0	504.3	505.7	516.7	531.8	546.9	567.6
60°	498.8	490.6	481.0	465.9	460.4	460.4	464.5	476.9	490.6	515.3	533.2
62.5°	450.7	439.7	432.9	423.3	415.0	416.4	426.0	437.0	453.5	474.1	497.5
65°	401.3	388.9	383.4	375.2	372.4	373.8	380.7	397.1	415.0	432.9	454.9
67.5°	346.3	342.2	336.7	328.4	331.2	332.6	339.4	353.2	372.4	390.3	415.0
70°	299.6	291.3	290.0	283.1	283.1	287.2	301.0	310.6	328.4	347.7	373.8
72.5°	250.1	243.2	243.2	237.7	241.9	246.0	252.9	266.6	283.1	302.3	324.3
75°	199.3	196.5	199.3	196.5	196.5	203.4	211.6	222.6	240.5	261.1	279.0
77.5°	153.9	153.9	152.5	156.7	156.7	160.8	171.8	182.8	196.5	213.0	232.2
80°	112.7	112.7	112.7	116.8	120.9	120.9	127.8	141.5	153.9	164.9	182.8
82.5°	77.0	77.0	77.0	79.7	85.2	85.2	93.4	101.7	115.4	125.1	133.3
85°	46.7	46.7	45.3	48.1	49.5	53.6	60.5	66.0	72.8	81.1	89.3
87.5°	20.6	20.6	22.0	23.4	24.7	27.5	30.2	33.0	39.9	42.6	46.7
90°	9.8	10.7	11.4	12.7	14.1	15.4	16.8	17.8	18.8	19.9	20.9
92.5°	10.1	9.9	10.6	11.9	13.3	14.6	16.0	17.0	18.0	19.1	20.1
95°	18.9	16.0	16.1	16.3	16.4	16.6	16.8	17.8	18.8	19.9	20.9
97.5°	95.1	97.0	88.1	70.3	52.4	34.6	16.8	17.6	18.5	19.3	20.2
100°	137.5	139.0	127.3	103.9	80.4	57.0	33.6	30.7	27.8	24.9	22.0
102.5°	183.8	184.8	185.8	187.8	189.9	191.9	193.9	155.7	117.5	79.4	41.2
105°	233.9	234.4	234.8	235.7	236.5	237.4	238.2	239.7	241.3	242.8	244.3
107.5°	281.5	281.7	282.3	283.5	284.7	285.9	287.1	287.9	288.8	289.6	290.5
110°	331.9	332.1	332.6	333.6	334.7	335.7	336.7	337.0	337.4	337.7	338.0

TEST NUMBER: P1000756

CATALOG NUMBER: SA4XXDIP-B1020D810UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	382.8	383.3	383.5	383.8	384.1	384.5	384.8	384.6	384.5	384.3	384.2
115°	431.1	431.4	431.3	431.1	431.0	430.8	430.6	431.0	431.3	431.7	432.0
117.5°	476.9	477.2	477.5	478.0	478.5	479.0	479.5	479.3	479.1	479.0	478.8
120°	522.7	523.0	522.9	522.8	522.6	522.5	522.3	522.6	523.0	523.3	523.6
122.5°	564.1	564.3	564.5	564.8	565.1	565.5	565.8	566.0	566.1	566.3	566.4
125°	606.0	606.3	606.1	605.8	605.4	605.1	604.7	605.2	605.7	606.2	606.7
127.5°	642.8	642.9	643.3	644.2	645.0	645.9	646.7	646.5	646.4	646.2	646.1
130°	680.2	680.3	680.6	681.1	681.6	682.1	682.6	682.8	683.0	683.1	683.3
132.5°	715.2	715.4	715.7	716.4	717.1	717.8	718.5	718.7	718.9	719.0	719.2
135°	747.6	747.5	747.8	748.5	749.2	749.9	750.6	750.9	751.3	751.6	751.9
137.5°	778.8	778.8	779.2	780.1	780.9	781.8	782.6	783.0	783.3	783.7	784.0
140°	809.9	810.1	810.3	810.6	810.9	811.3	811.6	812.1	812.6	813.1	813.6
142.5°	838.1	838.4	838.5	838.6	838.8	838.9	839.1	839.5	839.8	840.2	840.5
145°	864.8	865.1	865.1	865.1	865.1	865.1	865.1	865.3	865.5	865.6	865.8
147.5°	888.3	888.8	888.7	888.5	888.4	888.2	888.0	888.2	888.4	888.5	888.7
150°	910.6	910.9	910.8	910.6	910.5	910.3	910.1	910.1	910.1	910.1	910.1
152.5°	929.7	930.0	929.8	929.5	929.2	928.8	928.5	928.8	929.2	929.5	929.8
155°	946.7	946.8	946.5	946.0	945.5	945.0	944.5	945.2	945.9	946.6	947.3
157.5°	962.1	962.1	961.8	961.1	960.4	959.7	959.0	959.8	960.7	961.5	962.4
160°	973.8	973.5	973.4	973.3	973.1	973.0	972.8	973.8	974.8	975.8	976.8
162.5°	985.3	985.0	984.9	984.7	984.6	984.4	984.2	985.2	986.2	987.3	988.3
165°	994.5	994.1	994.1	994.1	994.1	994.1	994.1	995.5	996.8	998.2	999.5
167.5°	1002.9	1002.5	1002.4	1002.3	1002.1	1002.0	1001.8	1003.3	1004.8	1006.3	1007.8
170°	1009.1	1008.6	1008.7	1008.9	1009.0	1009.2	1009.4	1010.8	1012.1	1013.5	1014.8
172.5°	1013.7	1013.2	1013.3	1013.5	1013.6	1013.8	1014.0	1015.4	1016.7	1018.1	1019.4
175°	1016.8	1016.3	1016.4	1016.5	1016.7	1016.8	1017.0	1018.5	1020.1	1021.6	1023.1
177.5°	1018.4	1017.8	1018.0	1018.3	1018.6	1019.0	1019.3	1020.7	1022.0	1023.4	1024.7
180°	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9

TEST NUMBER: P1000756

CATALOG NUMBER: SA4XXDIP-B1020D810UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7
2.5°	1565.2	1563.9	1557.0	1559.7	1551.5	1554.2	1558.4	1559.7	1565.2	1561.1	1559.7
5°	1469.0	1466.3	1462.2	1458.0	1456.7	1462.2	1452.5	1455.3	1458.0	1462.2	1467.7
7.5°	1390.7	1389.3	1385.2	1378.3	1375.6	1372.8	1374.2	1383.8	1382.5	1381.1	1390.7
10°	1319.2	1320.6	1312.4	1311.0	1302.8	1301.4	1302.8	1305.5	1309.6	1315.1	1316.5
12.5°	1245.0	1262.9	1247.8	1242.3	1229.9	1236.8	1239.5	1227.2	1234.0	1238.2	1258.8
15°	1198.3	1190.1	1180.5	1180.5	1175.0	1172.2	1165.3	1175.0	1180.5	1188.7	1185.9
17.5°	1133.7	1120.0	1114.5	1109.0	1110.4	1115.9	1100.7	1122.7	1122.7	1126.9	1120.0
20°	1077.4	1066.4	1059.5	1056.8	1052.6	1049.9	1048.5	1054.0	1062.3	1065.0	1071.9
22.5°	1018.3	1018.3	1007.3	1003.2	1000.4	996.3	1003.2	999.1	1004.6	1010.0	1021.0
25°	968.8	968.8	964.7	959.2	955.1	952.3	956.5	955.1	959.2	966.1	968.8
27.5°	929.0	924.8	923.5	922.1	920.7	922.1	920.7	924.8	929.0	930.3	927.6
30°	894.6	890.5	891.9	891.9	893.2	891.9	890.5	894.6	896.0	893.2	894.6
32.5°	863.0	863.0	865.8	867.1	867.1	868.5	869.9	867.1	868.5	864.4	865.8
35°	836.9	839.6	842.4	843.8	845.1	843.8	846.5	845.1	842.4	839.6	838.3
37.5°	810.8	813.5	819.0	820.4	824.5	825.9	823.2	823.2	821.8	816.3	813.5
40°	783.3	786.1	792.9	797.0	799.8	803.9	801.2	801.2	795.7	790.2	786.1
42.5°	757.2	762.7	769.6	773.7	779.2	779.2	779.2	776.4	769.6	764.1	759.9
45°	731.1	732.5	742.1	748.9	754.4	754.4	754.4	750.3	746.2	735.2	729.7
47.5°	702.2	706.3	717.3	724.2	729.7	731.1	731.1	727.0	718.7	709.1	702.2
50°	670.6	677.5	689.9	699.5	706.3	709.1	705.0	702.2	692.6	681.6	673.4
52.5°	640.4	648.6	663.7	672.0	681.6	683.0	681.6	677.5	666.5	651.4	644.5
55°	610.2	617.0	633.5	647.3	655.5	658.2	655.5	648.6	634.9	619.8	612.9
57.5°	577.2	586.8	604.7	618.4	628.0	629.4	626.6	619.8	608.8	589.5	579.9
60°	542.8	555.2	573.0	586.8	599.2	600.5	597.8	588.2	574.4	555.2	546.9
62.5°	508.5	518.1	538.7	553.8	563.4	570.3	564.8	555.2	541.4	522.2	509.8
65°	468.6	482.3	500.2	514.0	525.0	526.3	523.6	515.3	500.2	479.6	470.0
67.5°	430.1	439.7	457.6	475.5	479.6	483.7	479.6	471.4	459.0	441.1	427.4
70°	383.4	391.7	413.6	426.0	431.5	435.6	432.9	424.6	413.6	397.1	386.2
72.5°	336.7	343.6	364.2	373.8	384.8	383.4	382.0	376.5	361.4	350.4	343.6
75°	287.2	295.5	309.2	321.6	325.7	325.7	325.7	321.6	311.9	294.1	287.2
77.5°	241.9	246.0	257.0	263.8	268.0	269.3	268.0	261.1	255.6	243.2	239.1
80°	185.5	196.5	204.8	206.1	211.6	211.6	211.6	208.9	203.4	191.0	189.6
82.5°	140.2	142.9	151.2	155.3	158.0	156.7	156.7	151.2	149.8	142.9	140.2
85°	94.8	98.9	97.6	103.1	104.4	101.7	101.7	104.4	97.6	98.9	94.8
87.5°	52.2	52.2	55.0	53.6	59.1	59.1	56.3	57.7	55.0	53.6	52.2
90°	21.4	21.6	21.9	22.2	22.6	22.9	22.6	22.2	21.9	21.6	21.4
92.5°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
95°	21.4	21.5	21.6	21.8	21.9	22.1	21.9	21.8	21.6	21.5	21.4
97.5°	20.6	20.7	20.9	21.0	21.2	21.4	21.2	21.0	20.9	20.7	20.6
100°	20.6	20.7	20.9	21.0	21.2	21.4	21.2	21.0	20.9	20.7	20.6
102.5°	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
105°	245.1	242.0	235.9	229.8	223.7	217.6	223.7	229.8	235.9	242.0	245.1
107.5°	290.9	291.2	291.9	292.6	293.3	294.0	293.3	292.6	291.9	291.2	290.9
110°	338.2	338.5	339.0	339.5	340.0	340.5	340.0	339.5	339.0	338.5	338.2

TEST NUMBER: P1000756

CATALOG NUMBER: SA4XXDIP-B1020D810UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	384.1	384.4	385.1	385.8	386.4	387.1	386.4	385.8	385.1	384.4	384.1
115°	432.2	432.2	432.2	432.2	432.2	432.2	432.2	432.2	432.2	432.2	432.2
117.5°	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7
120°	523.8	523.6	523.3	523.0	522.6	522.3	522.6	523.0	523.3	523.6	523.8
122.5°	566.5	566.3	566.0	565.7	565.3	565.0	565.3	565.7	566.0	566.3	566.5
125°	607.0	607.1	607.3	607.4	607.6	607.8	607.6	607.4	607.3	607.1	607.0
127.5°	646.0	645.9	645.7	645.6	645.4	645.2	645.4	645.6	645.7	645.9	646.0
130°	683.4	683.4	683.4	683.4	683.4	683.4	683.4	683.4	683.4	683.4	683.4
132.5°	719.3	719.2	719.0	718.9	718.7	718.5	718.7	718.9	719.0	719.2	719.3
135°	752.1	752.3	752.6	752.9	753.3	753.6	753.3	752.9	752.6	752.3	752.1
137.5°	784.2	784.1	783.9	783.8	783.6	783.4	783.6	783.8	783.9	784.1	784.2
140°	813.9	814.0	814.2	814.3	814.5	814.7	814.5	814.3	814.2	814.0	813.9
142.5°	840.7	840.7	840.7	840.7	840.7	840.7	840.7	840.7	840.7	840.7	840.7
145°	865.9	866.1	866.4	866.7	867.1	867.4	867.1	866.7	866.4	866.1	865.9
147.5°	888.8	888.9	889.0	889.2	889.3	889.5	889.3	889.2	889.0	888.9	888.8
150°	910.1	910.2	910.4	910.5	910.7	910.9	910.7	910.5	910.4	910.2	910.1
152.5°	930.0	929.9	929.7	929.6	929.4	929.2	929.4	929.6	929.7	929.9	930.0
155°	947.6	947.3	946.8	946.3	945.8	945.3	945.8	946.3	946.8	947.3	947.6
157.5°	962.8	962.4	961.5	960.7	959.8	959.0	959.8	960.7	961.5	962.4	962.8
160°	977.3	976.8	975.8	974.8	973.8	972.8	973.8	974.8	975.8	976.8	977.3
162.5°	988.8	988.2	987.0	985.8	984.6	983.4	984.6	985.8	987.0	988.2	988.8
165°	1000.2	999.4	997.9	996.4	994.9	993.4	994.9	996.4	997.9	999.4	1000.2
167.5°	1008.6	1007.8	1006.1	1004.4	1002.7	1001.0	1002.7	1004.4	1006.1	1007.8	1008.6
170°	1015.5	1014.7	1013.0	1011.3	1009.6	1007.9	1009.6	1011.3	1013.0	1014.7	1015.5
172.5°	1020.1	1019.2	1017.3	1015.4	1013.6	1011.7	1013.6	1015.4	1017.3	1019.2	1020.1
175°	1023.9	1022.9	1020.8	1018.8	1016.7	1014.7	1016.7	1018.8	1020.8	1022.9	1023.9
177.5°	1025.4	1024.4	1022.4	1020.3	1018.3	1016.3	1018.3	1020.3	1022.4	1024.4	1025.4
180°	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9

TEST NUMBER: P1000756

CATALOG NUMBER: SA4XXDIP-B1020D810UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7
2.5°	1559.7	1568.0	1559.7	1565.2	1568.0	1574.9	1577.6	1590.0	1594.1	1603.7	1603.7
5°	1466.3	1470.4	1471.8	1477.3	1482.8	1496.5	1506.1	1524.0	1544.6	1547.4	1559.7
7.5°	1390.7	1397.6	1408.6	1404.4	1414.1	1434.7	1447.0	1469.0	1489.6	1500.6	1515.8
10°	1323.4	1331.6	1335.7	1339.9	1357.7	1375.6	1394.8	1409.9	1437.4	1453.9	1466.3
12.5°	1268.4	1261.5	1269.8	1284.9	1305.5	1316.5	1342.6	1366.0	1386.6	1404.4	1415.4
15°	1196.9	1202.4	1210.7	1236.8	1242.3	1269.8	1279.4	1305.5	1344.0	1360.5	1374.2
17.5°	1128.2	1146.1	1162.6	1172.2	1188.7	1210.7	1238.2	1267.0	1291.8	1311.0	1327.5
20°	1073.3	1091.1	1100.7	1107.6	1124.1	1154.3	1180.5	1216.2	1247.8	1262.9	1284.9
22.5°	1029.3	1029.3	1043.0	1063.6	1073.3	1102.1	1124.1	1162.6	1196.9	1216.2	1236.8
25°	974.3	982.6	993.6	1011.4	1025.2	1048.5	1080.1	1113.1	1150.2	1166.7	1192.8
27.5°	929.0	938.6	953.7	957.8	971.6	992.2	1025.2	1060.9	1099.4	1117.2	1139.2
30°	894.6	900.1	905.6	913.9	926.2	944.1	971.6	1003.2	1049.9	1063.6	1091.1
32.5°	864.4	867.1	869.9	876.7	883.6	901.5	923.5	957.8	996.3	1016.9	1041.7
35°	836.9	834.1	835.5	839.6	846.5	853.4	876.7	905.6	941.3	966.1	985.3
37.5°	810.8	805.3	803.9	803.9	806.7	814.9	832.8	857.5	896.0	916.6	935.8
40°	781.9	776.4	773.7	772.3	770.9	776.4	790.2	814.9	845.1	864.4	886.4
42.5°	754.4	748.9	742.1	740.7	738.0	740.7	750.3	773.7	799.8	819.0	836.9
45°	727.0	717.3	709.1	703.6	705.0	700.8	707.7	725.6	755.8	768.2	786.1
47.5°	696.7	685.7	674.7	669.2	663.7	666.5	669.2	684.4	710.5	722.8	740.7
50°	667.9	652.8	640.4	633.5	629.4	626.6	629.4	644.5	663.7	674.7	689.9
52.5°	634.9	619.8	607.4	596.4	590.9	586.8	588.2	601.9	619.8	630.8	645.9
55°	604.7	585.4	568.9	555.2	551.1	549.7	548.3	557.9	573.0	584.0	596.4
57.5°	570.3	551.1	533.2	516.7	508.5	507.1	507.1	509.8	529.1	537.3	544.2
60°	535.9	515.3	496.1	481.0	468.6	464.5	463.1	468.6	478.2	486.5	496.1
62.5°	497.5	476.9	453.5	439.7	427.4	416.4	420.5	421.9	435.6	439.7	448.0
65°	460.4	437.0	417.8	395.8	382.0	375.2	372.4	375.2	386.2	387.5	393.0
67.5°	417.8	395.8	372.4	357.3	344.9	332.6	329.8	329.8	335.3	339.4	346.3
70°	376.5	354.5	328.4	311.9	299.6	288.6	284.5	283.1	287.2	290.0	296.8
72.5°	328.4	306.4	287.2	269.3	254.2	246.0	241.9	239.1	243.2	246.0	247.4
75°	277.6	259.7	240.5	222.6	213.0	204.8	199.3	195.1	197.9	197.9	197.9
77.5°	229.5	211.6	196.5	184.1	171.8	162.2	158.0	153.9	155.3	155.3	158.0
80°	178.6	166.3	153.9	142.9	131.9	123.7	120.9	116.8	114.1	112.7	112.7
82.5°	131.9	122.3	111.3	101.7	96.2	87.9	85.2	79.7	79.7	78.3	78.3
85°	87.9	82.5	71.5	64.6	60.5	56.3	53.6	50.8	46.7	46.7	45.3
87.5°	46.7	44.0	41.2	33.0	33.0	28.9	27.5	26.1	22.0	23.4	23.4
90°	20.9	19.9	18.8	17.8	16.8	15.4	14.1	12.7	11.4	10.7	9.8
92.5°	20.1	19.1	18.0	17.0	16.0	14.6	13.3	11.9	10.6	9.9	10.1
95°	20.9	19.9	18.8	17.8	16.8	16.6	16.4	16.3	16.1	16.0	18.9
97.5°	20.2	19.3	18.5	17.6	16.8	34.6	52.4	70.3	88.1	97.0	95.1
100°	22.0	24.9	27.8	30.7	33.6	57.0	80.4	103.9	127.3	139.0	137.5
102.5°	41.2	79.4	117.5	155.7	193.9	191.9	189.9	187.8	185.8	184.8	183.8
105°	244.3	242.8	241.3	239.7	238.2	237.4	236.5	235.7	234.8	234.4	233.9
107.5°	290.5	289.6	288.8	287.9	287.1	285.9	284.7	283.5	282.3	281.7	281.5
110°	338.0	337.7	337.4	337.0	336.7	335.7	334.7	333.6	332.6	332.1	331.9

TEST NUMBER: P1000756

CATALOG NUMBER: SA4XXDIP-B1020D810UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	384.2	384.3	384.5	384.6	384.8	384.5	384.1	383.8	383.5	383.3	382.8
115°	432.0	431.7	431.3	431.0	430.6	430.8	431.0	431.1	431.3	431.4	431.1
117.5°	478.8	479.0	479.1	479.3	479.5	479.0	478.5	478.0	477.5	477.2	476.9
120°	523.6	523.3	523.0	522.6	522.3	522.5	522.6	522.8	522.9	523.0	522.7
122.5°	566.4	566.3	566.1	566.0	565.8	565.5	565.1	564.8	564.5	564.3	564.1
125°	606.7	606.2	605.7	605.2	604.7	605.1	605.4	605.8	606.1	606.3	606.0
127.5°	646.1	646.2	646.4	646.5	646.7	645.9	645.0	644.2	643.3	642.9	642.8
130°	683.3	683.1	683.0	682.8	682.6	682.1	681.6	681.1	680.6	680.3	680.2
132.5°	719.2	719.0	718.9	718.7	718.5	717.8	717.1	716.4	715.7	715.4	715.2
135°	751.9	751.6	751.3	750.9	750.6	749.9	749.2	748.5	747.8	747.5	747.6
137.5°	784.0	783.7	783.3	783.0	782.6	781.8	780.9	780.1	779.2	778.8	778.8
140°	813.6	813.1	812.6	812.1	811.6	811.3	810.9	810.6	810.3	810.1	809.9
142.5°	840.5	840.2	839.8	839.5	839.1	838.9	838.8	838.6	838.5	838.4	838.1
145°	865.8	865.6	865.5	865.3	865.1	865.1	865.1	865.1	865.1	865.1	864.8
147.5°	888.7	888.5	888.4	888.2	888.0	888.2	888.4	888.5	888.7	888.8	888.3
150°	910.1	910.1	910.1	910.1	910.1	910.3	910.5	910.6	910.8	910.9	910.6
152.5°	929.8	929.5	929.2	928.8	928.5	928.8	929.2	929.5	929.8	930.0	929.7
155°	947.3	946.6	945.9	945.2	944.5	945.0	945.5	946.0	946.5	946.8	946.7
157.5°	962.4	961.5	960.7	959.8	959.0	959.7	960.4	961.1	961.8	962.1	962.1
160°	976.8	975.8	974.8	973.8	972.8	973.0	973.1	973.3	973.4	973.5	973.8
162.5°	988.3	987.3	986.2	985.2	984.2	984.4	984.6	984.7	984.9	985.0	985.3
165°	999.5	998.2	996.8	995.5	994.1	994.1	994.1	994.1	994.1	994.1	994.5
167.5°	1007.8	1006.3	1004.8	1003.3	1001.8	1002.0	1002.1	1002.3	1002.4	1002.5	1002.9
170°	1014.8	1013.5	1012.1	1010.8	1009.4	1009.2	1009.0	1008.9	1008.7	1008.6	1009.1
172.5°	1019.4	1018.1	1016.7	1015.4	1014.0	1013.8	1013.6	1013.5	1013.3	1013.2	1013.7
175°	1023.1	1021.6	1020.1	1018.5	1017.0	1016.8	1016.7	1016.5	1016.4	1016.3	1016.8
177.5°	1024.7	1023.4	1022.0	1020.7	1019.3	1019.0	1018.6	1018.3	1018.0	1017.8	1018.4
180°	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9

TEST NUMBER: P1000756

CATALOG NUMBER: SA4XXDIP-B1020D810UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1658.7	1658.7	1658.7	1658.7
2.5°	1613.3	1627.1	1639.4	1658.7
5°	1577.6	1596.8	1622.9	1651.8
7.5°	1536.4	1566.6	1601.0	1640.8
10°	1497.9	1532.2	1576.2	1624.3
12.5°	1458.0	1499.3	1547.4	1599.6
15°	1412.7	1453.9	1507.5	1577.6
17.5°	1371.5	1420.9	1478.7	1552.9
20°	1323.4	1370.1	1433.3	1518.5
22.5°	1280.8	1334.4	1404.4	1478.7
25°	1234.0	1280.8	1350.9	1440.2
27.5°	1187.3	1245.0	1312.4	1399.0
30°	1142.0	1190.1	1262.9	1353.6
32.5°	1092.5	1150.2	1217.6	1302.8
35°	1038.9	1093.9	1157.1	1249.2
37.5°	990.8	1044.4	1109.0	1190.1
40°	937.2	993.6	1052.6	1133.7
42.5°	885.0	935.8	994.9	1069.1
45°	834.1	878.1	931.7	996.3
47.5°	781.9	819.0	868.5	926.2
50°	725.6	765.4	802.5	850.6
52.5°	673.4	707.7	738.0	777.8
55°	622.5	645.9	670.6	700.8
57.5°	568.9	586.8	604.7	636.3
60°	515.3	531.8	541.4	562.1
62.5°	463.1	470.0	482.3	494.7
65°	405.4	415.0	421.9	437.0
67.5°	353.2	357.3	364.2	373.8
70°	298.2	307.8	310.6	317.4
72.5°	251.5	255.6	258.4	259.7
75°	199.3	203.4	206.1	214.4
77.5°	156.7	155.3	160.8	162.2
80°	115.4	111.3	112.7	118.2
82.5°	75.6	77.0	75.6	75.6
85°	46.7	45.3	42.6	44.0
87.5°	20.6	20.6	19.2	19.2
90°	7.9	6.0	4.2	2.3
92.5°	10.4	10.8	11.1	11.5
95°	24.7	30.4	36.2	42.0
97.5°	91.4	87.7	83.9	80.2
100°	134.4	131.3	128.3	125.2
102.5°	181.7	179.7	177.6	175.6
105°	232.9	231.8	230.8	229.8
107.5°	281.0	280.5	280.0	279.5
110°	331.4	330.9	330.4	329.9

TEST NUMBER: P1000756

CATALOG NUMBER: SA4XXDIP-B1020D810UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	381.8	380.7	379.7	378.7
115°	430.6	430.1	429.6	429.1
117.5°	476.2	475.5	474.9	474.2
120°	522.0	521.3	520.7	520.0
122.5°	563.8	563.4	563.1	562.7
125°	605.3	604.6	603.9	603.2
127.5°	642.6	642.5	642.3	642.1
130°	680.1	679.9	679.8	679.6
132.5°	714.9	714.6	714.2	713.9
135°	747.8	747.9	748.1	748.3
137.5°	778.8	778.8	778.8	778.8
140°	809.6	809.3	808.9	808.6
142.5°	837.4	836.7	836.0	835.3
145°	864.3	863.8	863.3	862.8
147.5°	887.3	886.2	885.2	884.2
150°	909.9	909.2	908.6	907.9
152.5°	929.2	928.7	928.2	927.7
155°	946.5	946.4	946.2	946.0
157.5°	962.1	962.1	962.1	962.1
160°	974.3	974.8	975.3	975.8
162.5°	986.0	986.7	987.3	988.0
165°	995.4	996.3	997.1	998.0
167.5°	1003.8	1004.6	1005.5	1006.3
170°	1010.1	1011.2	1012.2	1013.2
172.5°	1014.7	1015.8	1016.8	1017.8
175°	1017.8	1018.9	1019.9	1020.9
177.5°	1019.6	1020.7	1021.9	1023.1
180°	1020.9	1020.9	1020.9	1020.9

(END OF REPORT)