

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: P1000789

Luminaire Tested: SA4XXDIP-B1020D810UB40-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1000789
REPORT IS A COMBINATION OF REPORTS P995402 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-B1020D810UB40-4F0-XX-W2A-A1
Description: Define 4 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

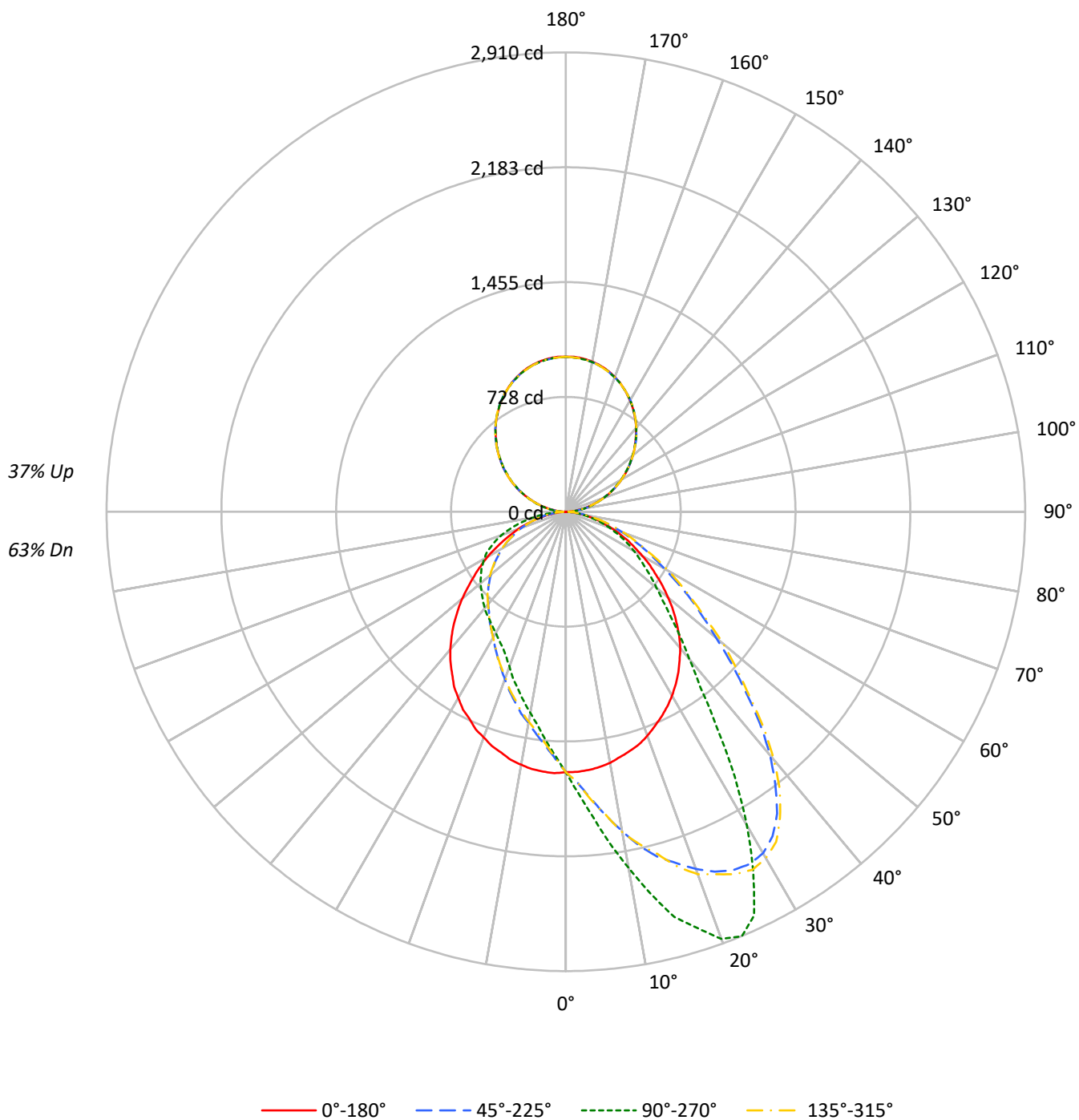
Lumens per Lamp: N/A
Luminaire Lumens: 7277.0 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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	110	110	110	110	103	103	103	103	90	90	90	79	79	79	68	68	68
1	101	97	93	89	94	91	87	84	80	77	75	70	68	66	60	59	58
2	92	85	79	73	86	80	74	70	70	66	62	61	58	56	53	51	49
3	84	75	67	62	79	70	64	59	62	57	53	55	51	47	48	45	42
4	77	66	58	52	72	63	55	50	55	50	45	49	44	41	43	39	37
5	71	59	51	45	66	56	49	43	50	44	39	44	39	36	39	35	32
6	66	53	45	39	61	51	43	38	45	39	35	40	35	31	35	31	28
7	61	48	40	35	57	46	39	33	41	35	31	36	32	28	32	28	25
8	56	44	36	31	53	42	35	30	37	32	27	33	29	25	30	26	23
9	53	40	33	28	49	38	31	27	34	29	25	31	26	23	27	23	21
10	49	37	30	25	46	35	29	24	32	26	22	28	24	20	25	22	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13449	13449	13449	13449
5°	13415	15429	13493	11594
10°	13315	18001	13416	10171
15°	13154	20752	13246	9100
20°	12984	22502	13078	8159
25°	12736	22244	12858	7465
30°	12493	18386	12645	7107
35°	12152	13701	12285	6890
40°	11753	10321	11867	6784
45°	11145	8284	11284	6639
50°	10419	6979	10571	6572
55°	9566	6075	9716	6494
60°	8737	5349	8993	6386
65°	7957	4602	8032	6120
70°	7041	3786	7195	5636
75°	6144	2910	6104	4788
80°	4833	1912	4775	3634
85°	3180	859	2984	2119

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 17390 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.5	2.2
10°-20°	495.4	6.8
20°-30°	787.1	10.8
30°-40°	874.6	12.0
40°-50°	795.3	10.9
50°-60°	649.9	8.9
60°-70°	463.9	6.4
70°-80°	255.3	3.5
80°-90°	71.1	1.0
90°-100°	64.0	0.9
100°-110°	191.7	2.6
110°-120°	325.6	4.5
120°-130°	429.4	5.9
130°-140°	482.3	6.6
140°-150°	474.0	6.5
150°-160°	398.7	5.5
160°-170°	265.3	3.6
170°-180°	92.9	1.3
0°-30°	1443.0	19.8
0°-40°	2317.6	31.8
0°-60°	3762.8	51.7
0°-90°	4553.1	62.6
90°-120°	581.3	8.0
90°-150°	1967.0	27.0
90°-180°	2724.0	37.4
0°-180°	7277.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1649	1649	1649	1649	1649	
5°	1642	1935	1652	1454	1642	156
15°	1569	2658	1580	1166	1569	443
25°	1432	2822	1446	947	1432	660
35°	1242	1668	1256	839	1242	776
45°	991	936	1003	750	991	764
55°	697	612	708	654	697	627
65°	434	394	439	523	434	429
75°	213	197	212	324	213	224
85°	44	41	41	101	44	51
90°	2	23	2	23	2	6
95°	46	60	46	60	46	49
105°	177	185	177	185	177	188
115°	331	328	331	328	331	326
125°	482	478	482	478	482	430
135°	622	623	622	623	622	481
145°	756	756	756	756	756	473
155°	866	865	866	865	866	398
165°	942	940	942	940	942	266
175°	980	976	980	976	980	93
180°	982	982	982	982	982	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3
2.5°	1649.3	1665.7	1672.5	1677.9	1695.7	1701.2	1702.5	1710.7	1717.6	1718.9	1718.9
5°	1642.4	1668.4	1688.9	1708.0	1736.7	1749.0	1764.0	1780.4	1802.3	1816.0	1822.8
7.5°	1631.5	1669.8	1701.2	1734.0	1773.6	1798.2	1811.9	1855.6	1885.6	1910.2	1940.3
10°	1615.1	1664.3	1709.4	1757.2	1813.2	1843.3	1873.3	1926.6	1969.0	2016.8	2055.1
12.5°	1590.5	1654.7	1709.4	1776.3	1846.0	1881.5	1917.1	2010.0	2059.2	2101.5	2169.9
15°	1568.6	1632.9	1710.7	1779.1	1865.1	1918.4	1970.4	2030.5	2108.4	2199.9	2265.5
17.5°	1544.0	1624.7	1697.1	1792.7	1888.4	1938.9	1981.3	2074.2	2183.5	2273.7	2333.8
20°	1509.9	1591.9	1687.5	1788.6	1902.0	1941.7	1997.7	2122.0	2220.4	2309.2	2407.6
22.5°	1470.3	1565.9	1667.0	1764.0	1881.5	1964.9	2026.4	2135.7	2254.6	2357.1	2467.7
25°	1432.0	1535.8	1624.7	1757.2	1881.5	1937.6	2007.3	2137.1	2266.9	2391.2	2504.6
27.5°	1391.0	1488.0	1608.3	1713.5	1854.2	1915.7	1990.9	2133.0	2271.0	2395.3	2516.9
30°	1345.9	1449.8	1549.5	1673.9	1810.5	1889.7	1959.4	2113.8	2254.6	2384.4	2497.8
32.5°	1295.4	1393.7	1500.3	1617.8	1761.3	1841.9	1929.4	2087.9	2238.2	2350.2	2437.7
35°	1242.1	1341.8	1434.7	1555.0	1702.5	1783.2	1867.9	2042.8	2191.7	2283.3	2333.8
37.5°	1183.3	1277.6	1369.1	1488.0	1635.6	1721.7	1807.8	1977.2	2117.9	2194.5	2180.8
40°	1127.3	1212.0	1296.7	1408.8	1563.2	1654.7	1729.9	1900.7	2023.7	2056.4	2011.4
42.5°	1063.1	1135.5	1217.5	1332.2	1482.6	1568.6	1662.9	1818.7	1910.2	1896.6	1820.1
45°	990.6	1054.9	1136.9	1244.8	1397.8	1486.7	1565.9	1713.5	1780.4	1746.3	1606.9
47.5°	921.0	983.8	1050.8	1158.7	1307.7	1382.8	1463.4	1596.0	1634.2	1561.8	1422.4
50°	845.8	897.7	967.4	1069.9	1209.3	1288.5	1355.5	1462.1	1475.7	1386.9	1242.1
52.5°	773.4	817.1	884.1	985.2	1115.0	1177.8	1243.4	1337.7	1326.8	1235.2	1095.9
55°	696.9	737.9	799.3	892.3	1007.0	1067.2	1123.2	1206.5	1183.3	1089.0	967.4
57.5°	632.6	661.3	721.5	807.5	901.8	967.4	1015.2	1080.8	1045.3	951.0	837.6
60°	558.9	594.4	644.9	714.6	807.5	851.3	893.6	937.4	912.8	822.6	721.5
62.5°	491.9	519.2	563.0	629.9	702.3	742.0	787.1	814.4	789.8	706.4	621.7
65°	434.5	456.4	490.5	545.2	614.9	647.7	673.6	699.6	679.1	601.2	539.7
67.5°	371.7	390.8	419.5	463.2	522.0	545.2	569.8	587.6	564.3	512.4	452.3
70°	315.6	329.3	356.6	389.4	430.4	452.3	472.8	490.5	470.0	426.3	381.2
72.5°	258.3	269.2	293.8	317.0	353.9	368.9	384.0	397.6	390.8	349.8	312.9
75°	213.2	217.3	233.7	252.8	276.0	292.4	303.3	311.5	306.1	273.3	250.1
77.5°	161.2	166.7	179.0	194.0	214.5	224.1	230.9	239.1	232.3	206.3	189.9
80°	117.5	118.9	125.7	139.4	153.0	154.4	161.2	172.2	168.1	150.3	138.0
82.5°	75.2	79.3	82.0	90.2	99.7	102.5	106.6	109.3	107.9	97.0	92.9
85°	43.7	43.7	46.5	51.9	54.7	58.8	60.1	61.5	64.2	57.4	53.3
87.5°	19.1	20.5	20.5	21.9	24.6	24.6	26.0	27.3	28.7	27.3	23.2
90°	2.3	4.1	6.0	7.8	9.7	10.6	11.3	12.6	14.0	15.3	16.7
92.5°	19.7	21.9	24.1	26.3	28.5	29.6	30.0	30.9	31.7	32.6	33.4
95°	45.6	47.1	48.6	50.1	51.6	52.4	53.0	54.2	55.3	56.5	57.7
97.5°	72.9	74.3	75.6	77.0	78.3	79.0	79.7	81.0	82.3	83.7	85.0
100°	106.3	107.0	107.6	108.3	109.0	109.3	110.1	111.6	113.1	114.7	116.2
102.5°	141.2	141.4	141.6	141.7	141.9	142.0	142.7	144.0	145.4	146.7	148.1
105°	176.9	177.1	177.3	177.4	177.6	177.7	178.0	178.7	179.4	180.0	180.7
107.5°	214.1	214.3	214.5	214.6	214.8	214.9	215.0	215.1	215.3	215.4	215.6
110°	252.1	252.4	252.8	253.1	253.4	253.6	253.5	253.3	253.2	253.0	252.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	291.6	291.6	291.6	291.6	291.6	291.6	291.4	291.1	290.7	290.4	290.0
115°	331.0	331.0	331.0	331.0	331.0	331.0	330.8	330.5	330.2	329.8	329.5
117.5°	368.2	368.2	368.2	368.2	368.2	368.2	368.1	368.0	367.8	367.7	367.5
120°	405.4	406.1	406.8	407.5	408.2	408.5	408.2	407.7	407.2	406.7	406.2
122.5°	444.2	444.4	444.5	444.7	444.8	444.9	444.8	444.7	444.5	444.4	444.2
125°	482.1	482.1	482.1	482.1	482.1	482.1	482.0	481.9	481.7	481.6	481.4
127.5°	516.3	516.8	517.3	517.8	518.3	518.6	518.4	518.1	517.8	517.4	517.1
130°	552.7	553.2	553.7	554.2	554.7	555.0	555.0	555.0	555.0	555.0	555.0
132.5°	589.9	590.3	590.6	591.0	591.3	591.5	591.4	591.2	591.1	590.9	590.7
135°	621.8	622.8	623.8	624.9	625.9	626.4	626.4	626.4	626.4	626.4	626.4
137.5°	657.5	658.0	658.5	659.0	659.5	659.8	660.0	660.3	660.6	661.0	661.3
140°	693.2	693.5	693.9	694.2	694.5	694.7	694.7	694.7	694.7	694.7	694.7
142.5°	725.8	726.2	726.5	726.9	727.2	727.4	727.3	727.1	727.0	726.8	726.6
145°	755.5	756.2	756.8	757.5	758.2	758.5	758.6	758.8	758.9	759.1	759.3
147.5°	785.8	786.6	787.5	788.3	789.2	789.6	789.5	789.4	789.2	789.1	788.9
150°	813.2	813.9	814.5	815.2	815.9	816.2	816.2	816.2	816.2	816.2	816.2
152.5°	839.0	839.3	839.7	840.0	840.3	840.5	840.6	840.8	840.9	841.1	841.3
155°	865.6	865.6	865.6	865.6	865.6	865.6	865.5	865.3	865.2	865.0	864.8
157.5°	888.3	888.0	887.6	887.3	887.0	886.8	886.8	886.8	886.8	886.8	886.8
160°	908.1	907.9	907.7	907.6	907.4	907.3	907.2	907.0	906.9	906.7	906.5
162.5°	926.3	925.8	925.3	924.8	924.3	924.0	923.9	923.8	923.6	923.5	923.3
165°	942.2	941.7	941.2	940.7	940.2	940.0	939.8	939.5	939.1	938.8	938.4
167.5°	955.1	954.4	953.8	953.1	952.4	952.1	952.1	952.1	952.1	952.1	952.1
170°	965.8	965.0	964.1	963.3	962.4	962.0	962.1	962.2	962.4	962.5	962.7
172.5°	973.4	972.7	972.0	971.3	970.6	970.3	970.3	970.3	970.3	970.3	970.3
175°	980.2	979.4	978.5	977.7	976.8	976.4	976.3	976.1	976.0	975.8	975.6
177.5°	983.2	982.4	981.5	980.7	979.8	979.4	979.4	979.4	979.4	979.4	979.4
180°	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3
2.5°	1723.0	1747.6	1758.6	1761.3	1776.3	1766.8	1770.9	1769.5	1780.4	1781.8	1781.8
5°	1848.8	1877.4	1887.0	1900.7	1921.2	1926.6	1922.5	1930.7	1945.8	1934.8	1951.2
7.5°	1981.3	2012.7	2034.6	2064.6	2071.5	2089.2	2100.2	2109.7	2112.5	2113.8	2116.6
10°	2104.3	2143.9	2174.0	2224.5	2235.4	2245.0	2292.8	2273.7	2298.3	2290.1	2292.8
12.5°	2204.0	2281.9	2306.5	2391.2	2399.4	2432.2	2429.5	2459.5	2465.0	2475.9	2465.0
15°	2335.2	2425.4	2465.0	2512.8	2540.2	2578.4	2585.2	2626.2	2642.6	2657.7	2642.6
17.5°	2455.4	2503.3	2604.4	2642.6	2660.4	2680.9	2732.8	2747.8	2772.4	2762.9	2790.2
20°	2515.6	2583.9	2690.5	2756.0	2783.4	2802.5	2846.2	2869.5	2879.0	2879.0	2881.8
22.5°	2568.8	2667.2	2746.5	2821.6	2846.2	2859.9	2885.9	2903.6	2907.7	2910.4	2913.2
25°	2616.7	2705.5	2769.7	2812.1	2821.6	2821.6	2836.7	2825.7	2808.0	2821.6	2829.8
27.5°	2616.7	2679.5	2708.2	2723.3	2723.3	2686.4	2664.5	2619.4	2581.1	2570.2	2594.8
30°	2572.9	2601.6	2562.0	2525.1	2496.4	2471.8	2385.7	2317.4	2303.8	2294.2	2331.1
32.5°	2471.8	2434.9	2357.1	2250.5	2208.1	2152.1	2085.1	2033.2	2001.8	1990.9	1982.7
35°	2292.8	2197.2	2096.1	1952.6	1922.5	1851.5	1759.9	1721.7	1669.8	1668.4	1686.1
37.5°	2097.4	1949.9	1840.6	1703.9	1661.6	1586.4	1500.3	1460.7	1425.2	1397.8	1430.6
40°	1869.2	1740.8	1574.1	1462.1	1401.9	1362.3	1289.9	1246.2	1229.8	1216.1	1236.6
42.5°	1656.1	1515.3	1385.5	1270.8	1221.6	1176.5	1128.7	1086.3	1074.0	1072.6	1087.7
45°	1444.3	1306.3	1186.0	1087.7	1056.2	1028.9	982.4	970.1	949.7	936.0	942.8
47.5°	1274.9	1132.8	1033.0	957.9	930.5	907.3	877.2	856.7	839.0	833.5	841.7
50°	1108.2	1012.5	910.0	847.2	826.7	804.8	781.6	762.5	754.3	748.8	754.3
52.5°	974.2	871.8	802.1	751.5	731.0	714.6	698.2	690.0	679.1	681.8	687.3
55°	854.0	763.8	705.1	668.2	655.9	649.0	628.5	619.0	614.9	612.2	614.9
57.5°	740.6	675.0	631.3	599.9	583.5	579.4	563.0	563.0	558.9	554.8	556.1
60°	650.4	594.4	552.0	527.4	524.7	517.9	506.9	505.6	496.0	500.1	501.5
62.5°	558.9	513.8	485.1	470.0	460.5	457.7	450.9	449.5	445.4	446.8	444.1
65°	486.4	449.5	420.9	408.6	404.5	403.1	397.6	393.5	390.8	393.5	390.8
67.5°	414.0	389.4	367.6	355.3	349.8	348.4	344.3	341.6	343.0	338.9	341.6
70°	345.7	321.1	307.4	300.6	297.9	293.8	293.8	293.8	293.8	291.0	289.7
72.5°	291.0	266.4	256.9	252.8	250.1	248.7	244.6	246.0	244.6	243.2	248.7
75°	230.9	215.9	206.3	202.2	205.0	200.9	196.8	199.5	195.4	196.8	202.2
77.5°	174.9	168.1	162.6	159.9	157.1	154.4	154.4	151.7	151.7	151.7	151.7
80°	127.1	125.7	116.1	114.8	114.8	112.0	112.0	112.0	112.0	110.7	112.0
82.5°	84.7	83.4	80.6	79.3	76.5	77.9	77.9	75.2	75.2	73.8	75.2
85°	49.2	49.2	46.5	45.1	43.7	45.1	42.4	41.0	42.4	41.0	42.4
87.5°	23.2	20.5	21.9	20.5	17.8	19.1	16.4	17.8	16.4	15.0	17.8
90°	17.7	18.7	19.8	20.8	21.3	21.5	21.8	22.1	22.5	22.8	22.5
92.5°	33.9	34.4	34.9	35.4	35.7	35.8	35.9	36.1	36.2	36.4	36.2
95°	58.2	58.7	59.2	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0
97.5°	85.7	86.4	87.1	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1
100°	116.5	116.9	117.2	117.5	117.7	117.7	117.7	117.7	117.7	117.7	117.7
102.5°	148.6	149.1	149.6	150.1	150.3	150.4	150.6	150.7	150.9	151.1	150.9
105°	181.2	181.7	182.2	182.7	183.0	183.3	183.8	184.3	184.8	185.3	184.8
107.5°	216.3	217.0	217.7	218.4	218.7	218.6	218.4	218.3	218.1	217.9	218.1
110°	252.5	252.1	251.8	251.5	251.3	251.6	252.1	252.6	253.1	253.6	253.1

TEST NUMBER: P1000789

CATALOG NUMBER: SA4XXDIP-B1020D810UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0
115°	329.3	329.2	329.0	328.9	328.8	328.7	328.5	328.4	328.2	328.0	328.2
117.5°	367.0	366.5	366.0	365.5	365.2	364.9	364.4	363.9	363.4	362.9	363.4
120°	405.4	404.5	403.7	402.8	402.4	402.6	402.9	403.2	403.6	403.9	403.6
122.5°	443.7	443.2	442.7	442.2	441.9	441.5	440.6	439.8	438.9	438.1	438.9
125°	481.0	480.7	480.3	480.0	479.8	479.6	479.3	479.0	478.6	478.3	478.6
127.5°	516.7	516.4	516.0	515.7	515.5	515.4	515.3	515.1	515.0	514.8	515.0
130°	554.7	554.3	554.0	553.7	553.5	553.2	552.5	551.8	551.2	550.5	551.2
132.5°	590.4	590.0	589.7	589.4	589.2	589.1	588.9	588.8	588.6	588.4	588.6
135°	626.1	625.7	625.4	625.1	624.9	624.6	624.1	623.6	623.1	622.6	623.1
137.5°	660.8	660.3	659.8	659.3	659.0	659.1	659.3	659.4	659.6	659.8	659.6
140°	694.5	694.4	694.2	694.1	694.0	693.9	693.7	693.6	693.4	693.2	693.4
142.5°	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6
145°	759.1	758.9	758.8	758.6	758.5	758.2	757.7	757.2	756.7	756.2	756.7
147.5°	788.7	788.5	788.4	788.2	788.1	788.0	787.8	787.7	787.5	787.3	787.5
150°	816.2	816.2	816.2	816.2	816.2	816.1	815.9	815.8	815.6	815.4	815.6
152.5°	841.8	842.3	842.8	843.3	843.5	843.3	842.8	842.3	841.8	841.3	841.8
155°	865.5	866.1	866.8	867.5	867.8	867.5	866.8	866.1	865.5	864.8	865.5
157.5°	887.3	887.8	888.3	888.8	889.1	888.8	888.3	887.8	887.3	886.8	887.3
160°	907.0	907.5	908.0	908.5	908.8	908.4	907.5	906.7	905.8	905.0	905.8
162.5°	924.3	925.3	926.3	927.3	927.8	927.4	926.5	925.7	924.8	924.0	924.8
165°	939.4	940.4	941.5	942.5	943.0	942.7	942.0	941.3	940.7	940.0	940.7
167.5°	953.1	954.1	955.2	956.2	956.7	956.2	955.2	954.1	953.1	952.1	953.1
170°	963.7	964.7	965.8	966.8	967.3	966.7	965.5	964.4	963.2	962.0	963.2
172.5°	971.5	972.7	973.8	975.0	975.6	975.0	973.8	972.7	971.5	970.3	971.5
175°	976.8	978.0	979.2	980.4	981.0	980.4	979.2	978.0	976.8	975.6	976.8
177.5°	980.6	981.8	983.0	984.2	984.8	984.1	982.8	981.4	980.1	978.7	980.1
180°	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7

TEST NUMBER: P1000789

CATALOG NUMBER: SA4XXDIP-B1020D810UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3
2.5°	1779.1	1775.0	1769.5	1769.5	1762.7	1762.7	1751.7	1732.6	1716.2	1710.7	1713.5
5°	1930.7	1932.1	1923.9	1917.1	1904.8	1895.2	1877.4	1843.3	1832.4	1810.5	1795.5
7.5°	2104.3	2098.8	2083.8	2072.8	2070.1	2048.2	2010.0	1969.0	1936.2	1914.3	1882.9
10°	2299.7	2277.8	2255.9	2249.1	2232.7	2195.8	2152.1	2107.0	2061.9	2014.1	1960.8
12.5°	2463.6	2421.3	2419.9	2403.5	2372.1	2351.6	2299.7	2235.4	2157.6	2104.3	2044.1
15°	2639.9	2600.3	2567.5	2537.4	2522.4	2462.3	2418.5	2337.9	2245.0	2187.6	2146.6
17.5°	2765.6	2747.8	2691.8	2678.2	2657.7	2588.0	2518.3	2439.0	2358.4	2277.8	2167.1
20°	2866.7	2855.8	2818.9	2799.8	2767.0	2712.3	2627.6	2536.1	2443.1	2328.4	2224.5
22.5°	2910.4	2896.8	2866.7	2850.3	2829.8	2783.4	2711.0	2607.1	2485.5	2383.0	2272.3
25°	2824.4	2849.0	2840.8	2833.9	2825.7	2798.4	2743.7	2652.2	2533.3	2417.2	2279.2
27.5°	2630.3	2672.7	2713.7	2719.2	2732.8	2743.7	2721.9	2656.3	2556.6	2433.6	2281.9
30°	2369.4	2388.5	2471.8	2496.4	2515.6	2585.2	2626.2	2609.8	2533.3	2422.6	2283.3
32.5°	2034.6	2085.1	2169.9	2228.6	2280.5	2358.4	2465.0	2507.4	2480.0	2389.8	2251.8
35°	1717.6	1777.7	1876.1	1951.2	2003.2	2113.8	2239.5	2331.1	2365.3	2320.2	2197.2
37.5°	1458.0	1530.4	1617.8	1646.5	1706.6	1843.3	2016.8	2143.9	2227.2	2231.3	2135.7
40°	1262.6	1299.5	1369.1	1412.9	1471.6	1586.4	1755.8	1923.9	2049.6	2092.0	2041.4
42.5°	1097.2	1125.9	1177.8	1231.1	1284.4	1371.9	1527.6	1684.8	1854.2	1938.9	1937.6
45°	966.1	996.1	1031.6	1075.4	1112.3	1206.5	1329.5	1490.8	1637.0	1768.1	1800.9
47.5°	851.3	877.2	921.0	940.1	964.7	1053.5	1160.1	1310.4	1462.1	1612.4	1650.6
50°	766.6	788.4	818.5	830.8	858.1	923.7	1011.1	1132.8	1300.8	1438.8	1509.9
52.5°	690.0	706.4	729.7	739.2	758.4	807.5	886.8	982.4	1121.8	1263.9	1363.7
55°	624.4	635.4	651.8	662.7	676.4	720.1	778.9	864.9	985.2	1108.2	1205.2
57.5°	563.0	571.2	587.6	593.0	604.0	638.1	679.1	751.5	862.2	971.5	1065.8
60°	505.6	511.0	520.6	532.9	541.1	564.3	602.6	662.7	751.5	851.3	927.8
62.5°	450.9	459.1	461.8	467.3	474.1	496.0	526.1	569.8	647.7	729.7	810.3
65°	394.9	401.7	407.2	408.6	415.4	431.8	459.1	497.4	547.9	619.0	694.1
67.5°	343.0	347.1	349.8	355.3	362.1	370.3	392.2	420.9	467.3	524.7	584.8
70°	295.1	295.1	299.2	300.6	308.8	318.4	327.9	355.3	396.3	442.7	483.7
72.5°	243.2	250.1	248.7	255.5	254.2	261.0	273.3	291.0	321.1	358.0	397.6
75°	198.1	202.2	202.2	202.2	205.0	210.4	217.3	233.7	256.9	286.9	310.2
77.5°	154.4	157.1	157.1	157.1	158.5	164.0	170.8	181.7	198.1	215.9	229.6
80°	110.7	113.4	113.4	116.1	116.1	117.5	124.3	129.8	138.0	151.7	165.3
82.5°	75.2	76.5	79.3	79.3	77.9	80.6	82.0	87.5	95.6	98.4	107.9
85°	41.0	42.4	43.7	43.7	45.1	47.8	46.5	51.9	51.9	57.4	60.1
87.5°	16.4	19.1	19.1	17.8	19.1	19.1	19.1	21.9	23.2	24.6	23.2
90°	22.1	21.8	21.5	21.3	20.8	19.8	18.7	17.7	16.7	15.3	14.0
92.5°	36.1	35.9	35.8	35.7	35.4	34.9	34.4	33.9	33.4	32.6	31.7
95°	60.0	60.0	60.0	60.0	59.7	59.2	58.7	58.2	57.7	56.5	55.3
97.5°	88.1	88.1	88.1	88.1	87.8	87.1	86.4	85.7	85.0	83.7	82.3
100°	117.7	117.7	117.7	117.7	117.5	117.2	116.9	116.5	116.2	114.7	113.1
102.5°	150.7	150.6	150.4	150.3	150.1	149.6	149.1	148.6	148.1	146.7	145.4
105°	184.3	183.8	183.3	183.0	182.7	182.2	181.7	181.2	180.7	180.0	179.4
107.5°	218.3	218.4	218.6	218.7	218.4	217.7	217.0	216.3	215.6	215.4	215.3
110°	252.6	252.1	251.6	251.3	251.5	251.8	252.1	252.5	252.8	253.0	253.2

TEST NUMBER: P1000789

CATALOG NUMBER: SA4XXDIP-B1020D810UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.4	290.7
115°	328.4	328.5	328.7	328.8	328.9	329.0	329.2	329.3	329.5	329.8	330.2
117.5°	363.9	364.4	364.9	365.2	365.5	366.0	366.5	367.0	367.5	367.7	367.8
120°	403.2	402.9	402.6	402.4	402.8	403.7	404.5	405.4	406.2	406.7	407.2
122.5°	439.8	440.6	441.5	441.9	442.2	442.7	443.2	443.7	444.2	444.4	444.5
125°	479.0	479.3	479.6	479.8	480.0	480.3	480.7	481.0	481.4	481.6	481.7
127.5°	515.1	515.3	515.4	515.5	515.7	516.0	516.4	516.7	517.1	517.4	517.8
130°	551.8	552.5	553.2	553.5	553.7	554.0	554.3	554.7	555.0	555.0	555.0
132.5°	588.8	588.9	589.1	589.2	589.4	589.7	590.0	590.4	590.7	590.9	591.1
135°	623.6	624.1	624.6	624.9	625.1	625.4	625.7	626.1	626.4	626.4	626.4
137.5°	659.4	659.3	659.1	659.0	659.3	659.8	660.3	660.8	661.3	661.0	660.6
140°	693.6	693.7	693.9	694.0	694.1	694.2	694.4	694.5	694.7	694.7	694.7
142.5°	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.8	727.0
145°	757.2	757.7	758.2	758.5	758.6	758.8	758.9	759.1	759.3	759.1	758.9
147.5°	787.7	787.8	788.0	788.1	788.2	788.4	788.5	788.7	788.9	789.1	789.2
150°	815.8	815.9	816.1	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2
152.5°	842.3	842.8	843.3	843.5	843.3	842.8	842.3	841.8	841.3	841.1	840.9
155°	866.1	866.8	867.5	867.8	867.5	866.8	866.1	865.5	864.8	865.0	865.2
157.5°	887.8	888.3	888.8	889.1	888.8	888.3	887.8	887.3	886.8	886.8	886.8
160°	906.7	907.5	908.4	908.8	908.5	908.0	907.5	907.0	906.5	906.7	906.9
162.5°	925.7	926.5	927.4	927.8	927.3	926.3	925.3	924.3	923.3	923.5	923.6
165°	941.3	942.0	942.7	943.0	942.5	941.5	940.4	939.4	938.4	938.8	939.1
167.5°	954.1	955.2	956.2	956.7	956.2	955.2	954.1	953.1	952.1	952.1	952.1
170°	964.4	965.5	966.7	967.3	966.8	965.8	964.7	963.7	962.7	962.5	962.4
172.5°	972.7	973.8	975.0	975.6	975.0	973.8	972.7	971.5	970.3	970.3	970.3
175°	978.0	979.2	980.4	981.0	980.4	979.2	978.0	976.8	975.6	975.8	976.0
177.5°	981.4	982.8	984.1	984.8	984.2	983.0	981.8	980.6	979.4	979.4	979.4
180°	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7

TEST NUMBER: P1000789

CATALOG NUMBER: SA4XXDIP-B1020D810UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3
2.5°	1701.2	1695.7	1691.6	1691.6	1679.3	1667.0	1660.2	1657.5	1654.7	1643.8	1628.8
5°	1770.9	1753.1	1740.8	1728.5	1708.0	1686.1	1664.3	1652.0	1634.2	1609.6	1591.9
7.5°	1848.8	1806.4	1792.7	1777.7	1736.7	1699.8	1669.8	1643.8	1615.1	1583.7	1552.2
10°	1914.3	1869.2	1839.2	1813.2	1759.9	1710.7	1665.7	1627.4	1590.5	1549.5	1511.2
12.5°	1977.2	1913.0	1881.5	1843.3	1787.3	1716.2	1657.5	1609.6	1555.0	1512.6	1466.2
15°	2064.6	1956.7	1904.8	1880.2	1805.0	1721.7	1650.6	1579.6	1534.5	1470.3	1429.3
17.5°	2078.3	1990.9	1956.7	1893.8	1803.7	1709.4	1627.4	1556.3	1488.0	1430.6	1377.3
20°	2126.1	2011.4	1956.7	1917.1	1798.2	1702.5	1612.4	1520.8	1455.2	1393.7	1333.6
22.5°	2156.2	2026.4	1969.0	1906.1	1792.7	1677.9	1571.4	1492.1	1411.5	1348.6	1300.8
25°	2148.0	2018.2	1954.0	1895.2	1757.2	1642.4	1546.8	1445.7	1370.5	1302.2	1239.3
27.5°	2143.9	1997.7	1929.4	1863.8	1734.0	1613.7	1493.5	1411.5	1328.1	1248.9	1202.4
30°	2133.0	1971.7	1892.5	1821.4	1686.1	1560.4	1458.0	1362.3	1279.0	1206.5	1145.1
32.5°	2096.1	1928.0	1851.5	1775.0	1634.2	1508.5	1404.7	1315.9	1232.5	1157.3	1098.6
35°	2046.9	1876.1	1792.7	1712.1	1571.4	1444.3	1348.6	1255.7	1177.8	1105.4	1049.4
37.5°	1997.7	1816.0	1738.1	1645.2	1515.3	1382.8	1284.4	1201.1	1128.7	1053.5	992.0
40°	1926.6	1744.9	1658.8	1579.6	1427.9	1303.6	1213.4	1138.2	1067.2	996.1	944.2
42.5°	1829.6	1667.0	1578.2	1490.8	1348.6	1225.7	1138.2	1071.3	1004.3	945.6	888.2
45°	1731.2	1572.7	1493.5	1415.6	1261.2	1145.1	1064.4	1002.9	946.9	882.7	836.2
47.5°	1612.4	1478.5	1399.2	1322.7	1176.5	1060.3	986.5	929.2	877.2	823.9	780.2
50°	1490.8	1374.6	1302.2	1222.9	1083.6	978.3	905.9	858.1	815.7	765.2	729.7
52.5°	1359.6	1258.5	1197.0	1120.5	997.5	900.5	826.7	778.9	743.3	706.4	675.0
55°	1220.2	1146.4	1080.8	1019.3	903.2	815.7	750.2	707.8	683.2	649.0	621.7
57.5°	1094.5	1023.4	983.8	914.1	813.0	726.9	675.0	639.5	610.8	590.3	568.4
60°	963.3	905.9	862.2	811.6	722.8	650.4	595.8	575.3	545.2	530.2	520.6
62.5°	837.6	796.6	755.6	717.4	638.1	569.8	528.8	502.8	485.1	470.0	461.8
65°	718.7	680.5	651.8	617.6	552.0	497.4	459.1	438.6	420.9	416.8	407.2
67.5°	602.6	586.2	554.8	527.4	471.4	429.1	400.4	374.4	364.8	360.7	352.5
70°	504.2	485.1	460.5	437.3	394.9	358.0	332.0	322.5	308.8	307.4	297.9
72.5°	415.4	392.2	374.4	356.6	325.2	292.4	278.7	265.1	258.3	252.8	248.7
75°	329.3	312.9	300.6	285.6	258.3	236.4	217.3	211.8	207.7	206.3	203.6
77.5°	246.0	235.0	229.6	214.5	195.4	176.3	168.1	159.9	159.9	157.1	158.5
80°	174.9	168.1	161.2	153.0	136.6	128.4	121.6	116.1	113.4	112.0	113.4
82.5°	110.7	106.6	105.2	99.7	88.8	84.7	79.3	75.2	75.2	75.2	75.2
85°	61.5	61.5	61.5	53.3	49.2	45.1	42.4	41.0	41.0	41.0	42.4
87.5°	26.0	26.0	21.9	21.9	20.5	17.8	16.4	16.4	17.8	17.8	19.1
90°	12.6	11.3	10.6	9.7	7.8	6.0	4.1	2.3	4.1	6.0	7.8
92.5°	30.9	30.0	29.6	28.5	26.3	24.1	21.9	19.7	21.9	24.1	26.3
95°	54.2	53.0	52.4	51.6	50.1	48.6	47.1	45.6	47.1	48.6	50.1
97.5°	81.0	79.7	79.0	78.3	77.0	75.6	74.3	72.9	74.3	75.6	77.0
100°	111.6	110.1	109.3	109.0	108.3	107.6	107.0	106.3	107.0	107.6	108.3
102.5°	144.0	142.7	142.0	141.9	141.7	141.6	141.4	141.2	141.4	141.6	141.7
105°	178.7	178.0	177.7	177.6	177.4	177.3	177.1	176.9	177.1	177.3	177.4
107.5°	215.1	215.0	214.9	214.8	214.6	214.5	214.3	214.1	214.3	214.5	214.6
110°	253.3	253.5	253.6	253.4	253.1	252.8	252.4	252.1	252.4	252.8	253.1

TEST NUMBER: P1000789

CATALOG NUMBER: SA4XXDIP-B1020D810UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	291.1	291.4	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6
115°	330.5	330.8	331.0	331.0	331.0	331.0	331.0	331.0	331.0	331.0	331.0
117.5°	368.0	368.1	368.2	368.2	368.2	368.2	368.2	368.2	368.2	368.2	368.2
120°	407.7	408.2	408.5	408.2	407.5	406.8	406.1	405.4	406.1	406.8	407.5
122.5°	444.7	444.8	444.9	444.8	444.7	444.5	444.4	444.2	444.4	444.5	444.7
125°	481.9	482.0	482.1	482.1	482.1	482.1	482.1	482.1	482.1	482.1	482.1
127.5°	518.1	518.4	518.6	518.3	517.8	517.3	516.8	516.3	516.8	517.3	517.8
130°	555.0	555.0	555.0	554.7	554.2	553.7	553.2	552.7	553.2	553.7	554.2
132.5°	591.2	591.4	591.5	591.3	591.0	590.6	590.3	589.9	590.3	590.6	591.0
135°	626.4	626.4	626.4	625.9	624.9	623.8	622.8	621.8	622.8	623.8	624.9
137.5°	660.3	660.0	659.8	659.5	659.0	658.5	658.0	657.5	658.0	658.5	659.0
140°	694.7	694.7	694.7	694.5	694.2	693.9	693.5	693.2	693.5	693.9	694.2
142.5°	727.1	727.3	727.4	727.2	726.9	726.5	726.2	725.8	726.2	726.5	726.9
145°	758.8	758.6	758.5	758.2	757.5	756.8	756.2	755.5	756.2	756.8	757.5
147.5°	789.4	789.5	789.6	789.2	788.3	787.5	786.6	785.8	786.6	787.5	788.3
150°	816.2	816.2	816.2	815.9	815.2	814.5	813.9	813.2	813.9	814.5	815.2
152.5°	840.8	840.6	840.5	840.3	840.0	839.7	839.3	839.0	839.3	839.7	840.0
155°	865.3	865.5	865.6	865.6	865.6	865.6	865.6	865.6	865.6	865.6	865.6
157.5°	886.8	886.8	886.8	887.0	887.3	887.6	888.0	888.3	888.0	887.6	887.3
160°	907.0	907.2	907.3	907.4	907.6	907.7	907.9	908.1	907.9	907.7	907.6
162.5°	923.8	923.9	924.0	924.3	924.8	925.3	925.8	926.3	925.8	925.3	924.8
165°	939.5	939.8	940.0	940.2	940.7	941.2	941.7	942.2	941.7	941.2	940.7
167.5°	952.1	952.1	952.1	952.4	953.1	953.8	954.4	955.1	954.4	953.8	953.1
170°	962.2	962.1	962.0	962.4	963.3	964.1	965.0	965.8	965.0	964.1	963.3
172.5°	970.3	970.3	970.3	970.6	971.3	972.0	972.7	973.4	972.7	972.0	971.3
175°	976.1	976.3	976.4	976.8	977.7	978.5	979.4	980.2	979.4	978.5	977.7
177.5°	979.4	979.4	979.4	979.8	980.7	981.5	982.4	983.2	982.4	981.5	980.7
180°	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7

TEST NUMBER: P1000789

CATALOG NUMBER: SA4XXDIP-B1020D810UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3
2.5°	1624.7	1619.2	1621.9	1608.3	1596.0	1578.2	1563.2	1560.4	1557.7	1565.9	1560.4
5°	1578.2	1571.4	1564.5	1548.1	1523.5	1508.5	1486.7	1485.3	1477.1	1464.8	1467.5
7.5°	1527.6	1523.5	1514.0	1488.0	1466.2	1440.2	1422.4	1407.4	1400.6	1389.6	1385.5
10°	1486.7	1471.6	1463.4	1434.7	1408.8	1381.4	1358.2	1347.3	1335.0	1325.4	1318.6
12.5°	1430.6	1426.5	1403.3	1380.1	1358.2	1326.8	1309.0	1277.6	1261.2	1269.4	1266.7
15°	1393.7	1374.6	1369.1	1336.3	1299.5	1279.0	1246.2	1225.7	1218.8	1206.5	1191.5
17.5°	1344.5	1332.2	1313.1	1283.1	1240.7	1212.0	1188.8	1169.6	1161.4	1145.1	1132.8
20°	1298.1	1277.6	1262.6	1235.2	1194.2	1157.3	1128.7	1116.4	1095.9	1082.2	1075.4
22.5°	1255.7	1240.7	1218.8	1177.8	1142.3	1106.8	1072.6	1054.9	1035.7	1027.5	1016.6
25°	1203.8	1179.2	1164.2	1119.1	1080.8	1052.1	1020.7	997.5	986.5	972.9	970.1
27.5°	1153.2	1130.0	1112.3	1072.6	1026.2	989.3	970.1	953.8	934.6	934.6	927.8
30°	1102.7	1086.3	1059.0	1020.7	977.0	941.5	919.6	904.6	897.7	892.3	890.9
32.5°	1052.1	1030.3	1013.9	962.0	929.2	896.4	880.0	867.7	859.5	858.1	859.5
35°	1000.2	975.6	959.2	912.8	880.0	849.9	843.1	832.1	828.0	826.7	833.5
37.5°	945.6	926.4	905.9	867.7	830.8	813.0	799.3	795.2	793.9	802.1	804.8
40°	895.0	878.6	859.5	818.5	791.2	772.0	765.2	761.1	766.6	774.8	778.9
42.5°	847.2	823.9	808.9	772.0	747.4	736.5	728.3	728.3	733.8	743.3	750.2
45°	796.6	778.9	763.8	731.0	709.2	696.9	695.5	696.9	703.7	710.5	718.7
47.5°	747.4	729.7	713.3	685.9	666.8	660.0	658.6	660.0	670.9	680.5	690.0
50°	702.3	683.2	668.2	642.2	627.2	619.0	620.3	627.2	635.4	649.0	661.3
52.5°	649.0	635.4	621.7	598.5	584.8	579.4	583.5	588.9	604.0	613.5	628.5
55°	597.1	584.8	573.9	556.1	545.2	541.1	543.8	552.0	564.3	580.7	598.5
57.5°	549.3	535.6	524.7	512.4	500.1	501.5	502.8	513.8	528.8	543.8	564.3
60°	496.0	487.8	478.2	463.2	457.7	457.7	461.8	474.1	487.8	512.4	530.2
62.5°	448.2	437.3	430.4	420.9	412.7	414.0	423.6	434.5	450.9	471.4	494.6
65°	399.0	386.7	381.2	373.0	370.3	371.7	378.5	394.9	412.7	430.4	452.3
67.5°	344.3	340.2	334.8	326.6	329.3	330.7	337.5	351.2	370.3	388.1	412.7
70°	297.9	289.7	288.3	281.5	281.5	285.6	299.2	308.8	326.6	345.7	371.7
72.5°	248.7	241.9	241.9	236.4	240.5	244.6	251.4	265.1	281.5	300.6	322.5
75°	198.1	195.4	198.1	195.4	195.4	202.2	210.4	221.4	239.1	259.6	277.4
77.5°	153.0	153.0	151.7	155.8	155.8	159.9	170.8	181.7	195.4	211.8	230.9
80°	112.0	112.0	112.0	116.1	120.2	120.2	127.1	140.7	153.0	164.0	181.7
82.5°	76.5	76.5	76.5	79.3	84.7	84.7	92.9	101.1	114.8	124.3	132.5
85°	46.5	46.5	45.1	47.8	49.2	53.3	60.1	65.6	72.4	80.6	88.8
87.5°	20.5	20.5	21.9	23.2	24.6	27.3	30.1	32.8	39.6	42.4	46.5
90°	9.7	10.6	11.3	12.6	14.0	15.3	16.7	17.7	18.7	19.8	20.8
92.5°	28.5	29.6	30.0	30.9	31.7	32.6	33.4	33.9	34.4	34.9	35.4
95°	51.6	52.4	53.0	54.2	55.3	56.5	57.7	58.2	58.7	59.2	59.7
97.5°	78.3	79.0	79.7	81.0	82.3	83.7	85.0	85.7	86.4	87.1	87.8
100°	109.0	109.3	110.1	111.6	113.1	114.7	116.2	116.5	116.9	117.2	117.5
102.5°	141.9	142.0	142.7	144.0	145.4	146.7	148.1	148.6	149.1	149.6	150.1
105°	177.6	177.7	178.0	178.7	179.4	180.0	180.7	181.2	181.7	182.2	182.7
107.5°	214.8	214.9	215.0	215.1	215.3	215.4	215.6	216.3	217.0	217.7	218.4
110°	253.4	253.6	253.5	253.3	253.2	253.0	252.8	252.5	252.1	251.8	251.5

TEST NUMBER: P1000789

CATALOG NUMBER: SA4XXDIP-B1020D810UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	291.6	291.6	291.4	291.1	290.7	290.4	290.0	290.0	290.0	290.0	290.0
115°	331.0	331.0	330.8	330.5	330.2	329.8	329.5	329.3	329.2	329.0	328.9
117.5°	368.2	368.2	368.1	368.0	367.8	367.7	367.5	367.0	366.5	366.0	365.5
120°	408.2	408.5	408.2	407.7	407.2	406.7	406.2	405.4	404.5	403.7	402.8
122.5°	444.8	444.9	444.8	444.7	444.5	444.4	444.2	443.7	443.2	442.7	442.2
125°	482.1	482.1	482.0	481.9	481.7	481.6	481.4	481.0	480.7	480.3	480.0
127.5°	518.3	518.6	518.4	518.1	517.8	517.4	517.1	516.7	516.4	516.0	515.7
130°	554.7	555.0	555.0	555.0	555.0	555.0	555.0	554.7	554.3	554.0	553.7
132.5°	591.3	591.5	591.4	591.2	591.1	590.9	590.7	590.4	590.0	589.7	589.4
135°	625.9	626.4	626.4	626.4	626.4	626.4	626.4	626.1	625.7	625.4	625.1
137.5°	659.5	659.8	660.0	660.3	660.6	661.0	661.3	660.8	660.3	659.8	659.3
140°	694.5	694.7	694.7	694.7	694.7	694.7	694.7	694.5	694.4	694.2	694.1
142.5°	727.2	727.4	727.3	727.1	727.0	726.8	726.6	726.6	726.6	726.6	726.6
145°	758.2	758.5	758.6	758.8	758.9	759.1	759.3	759.1	758.9	758.8	758.6
147.5°	789.2	789.6	789.5	789.4	789.2	789.1	788.9	788.7	788.5	788.4	788.2
150°	815.9	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2
152.5°	840.3	840.5	840.6	840.8	840.9	841.1	841.3	841.8	842.3	842.8	843.3
155°	865.6	865.6	865.5	865.3	865.2	865.0	864.8	865.5	866.1	866.8	867.5
157.5°	887.0	886.8	886.8	886.8	886.8	886.8	886.8	887.3	887.8	888.3	888.8
160°	907.4	907.3	907.2	907.0	906.9	906.7	906.5	907.0	907.5	908.0	908.5
162.5°	924.3	924.0	923.9	923.8	923.6	923.5	923.3	924.3	925.3	926.3	927.3
165°	940.2	940.0	939.8	939.5	939.1	938.8	938.4	939.4	940.4	941.5	942.5
167.5°	952.4	952.1	952.1	952.1	952.1	952.1	952.1	953.1	954.1	955.2	956.2
170°	962.4	962.0	962.1	962.2	962.4	962.5	962.7	963.7	964.7	965.8	966.8
172.5°	970.6	970.3	970.3	970.3	970.3	970.3	970.3	971.5	972.7	973.8	975.0
175°	976.8	976.4	976.3	976.1	976.0	975.8	975.6	976.8	978.0	979.2	980.4
177.5°	979.8	979.4	979.4	979.4	979.4	979.4	979.4	980.6	981.8	983.0	984.2
180°	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7

TEST NUMBER: P1000789

CATALOG NUMBER: SA4XXDIP-B1020D810UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3
2.5°	1556.3	1555.0	1548.1	1550.9	1542.7	1545.4	1549.5	1550.9	1556.3	1552.2	1550.9
5°	1460.7	1458.0	1453.9	1449.8	1448.4	1453.9	1444.3	1447.0	1449.8	1453.9	1459.3
7.5°	1382.8	1381.4	1377.3	1370.5	1367.8	1365.0	1366.4	1376.0	1374.6	1373.2	1382.8
10°	1311.8	1313.1	1304.9	1303.6	1295.4	1294.0	1295.4	1298.1	1302.2	1307.7	1309.0
12.5°	1238.0	1255.7	1240.7	1235.2	1222.9	1229.8	1232.5	1220.2	1227.0	1231.1	1251.6
15°	1191.5	1183.3	1173.7	1173.7	1168.3	1165.5	1158.7	1168.3	1173.7	1181.9	1179.2
17.5°	1127.3	1113.6	1108.2	1102.7	1104.1	1109.5	1094.5	1116.4	1116.4	1120.5	1113.6
20°	1071.3	1060.3	1053.5	1050.8	1046.7	1043.9	1042.6	1048.0	1056.2	1059.0	1065.8
22.5°	1012.5	1012.5	1001.6	997.5	994.7	990.6	997.5	993.4	998.8	1004.3	1015.2
25°	963.3	963.3	959.2	953.8	949.7	946.9	951.0	949.7	953.8	960.6	963.3
27.5°	923.7	919.6	918.2	916.9	915.5	916.9	915.5	919.6	923.7	925.1	922.3
30°	889.5	885.4	886.8	886.8	888.2	886.8	885.4	889.5	890.9	888.2	889.5
32.5°	858.1	858.1	860.8	862.2	862.2	863.6	864.9	862.2	863.6	859.5	860.8
35°	832.1	834.9	837.6	839.0	840.3	839.0	841.7	840.3	837.6	834.9	833.5
37.5°	806.2	808.9	814.4	815.7	819.8	821.2	818.5	818.5	817.1	811.6	808.9
40°	778.9	781.6	788.4	792.5	795.2	799.3	796.6	796.6	791.2	785.7	781.6
42.5°	752.9	758.4	765.2	769.3	774.8	774.8	774.8	772.0	765.2	759.7	755.6
45°	726.9	728.3	737.9	744.7	750.2	750.2	750.2	746.1	742.0	731.0	725.6
47.5°	698.2	702.3	713.3	720.1	725.6	726.9	726.9	722.8	714.6	705.1	698.2
50°	666.8	673.6	685.9	695.5	702.3	705.1	701.0	698.2	688.7	677.7	669.5
52.5°	636.7	644.9	660.0	668.2	677.7	679.1	677.7	673.6	662.7	647.7	640.8
55°	606.7	613.5	629.9	643.6	651.8	654.5	651.8	644.9	631.3	616.3	609.4
57.5°	573.9	583.5	601.2	614.9	624.4	625.8	623.1	616.3	605.3	586.2	576.6
60°	539.7	552.0	569.8	583.5	595.8	597.1	594.4	584.8	571.2	552.0	543.8
62.5°	505.6	515.1	535.6	550.7	560.2	567.1	561.6	552.0	538.4	519.2	506.9
65°	465.9	479.6	497.4	511.0	522.0	523.3	520.6	512.4	497.4	476.9	467.3
67.5°	427.7	437.3	455.0	472.8	476.9	481.0	476.9	468.7	456.4	438.6	425.0
70°	381.2	389.4	411.3	423.6	429.1	433.2	430.4	422.2	411.3	394.9	384.0
72.5°	334.8	341.6	362.1	371.7	382.6	381.2	379.9	374.4	359.4	348.4	341.6
75°	285.6	293.8	307.4	319.7	323.8	323.8	323.8	319.7	310.2	292.4	285.6
77.5°	240.5	244.6	255.5	262.4	266.4	267.8	266.4	259.6	254.2	241.9	237.8
80°	184.5	195.4	203.6	205.0	210.4	210.4	210.4	207.7	202.2	189.9	188.6
82.5°	139.4	142.1	150.3	154.4	157.1	155.8	155.8	150.3	148.9	142.1	139.4
85°	94.3	98.4	97.0	102.5	103.8	101.1	101.1	103.8	97.0	98.4	94.3
87.5°	51.9	51.9	54.7	53.3	58.8	58.8	56.0	57.4	54.7	53.3	51.9
90°	21.3	21.5	21.8	22.1	22.5	22.8	22.5	22.1	21.8	21.5	21.3
92.5°	35.7	35.8	35.9	36.1	36.2	36.4	36.2	36.1	35.9	35.8	35.7
95°	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
97.5°	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
100°	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7
102.5°	150.3	150.4	150.6	150.7	150.9	151.1	150.9	150.7	150.6	150.4	150.3
105°	183.0	183.3	183.8	184.3	184.8	185.3	184.8	184.3	183.8	183.3	183.0
107.5°	218.7	218.6	218.4	218.3	218.1	217.9	218.1	218.3	218.4	218.6	218.7
110°	251.3	251.6	252.1	252.6	253.1	253.6	253.1	252.6	252.1	251.6	251.3



TEST NUMBER: P1000789

CATALOG NUMBER: SA4XXDIP-B1020D810UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0
115°	328.8	328.7	328.5	328.4	328.2	328.0	328.2	328.4	328.5	328.7	328.8
117.5°	365.2	364.9	364.4	363.9	363.4	362.9	363.4	363.9	364.4	364.9	365.2
120°	402.4	402.6	402.9	403.2	403.6	403.9	403.6	403.2	402.9	402.6	402.4
122.5°	441.9	441.5	440.6	439.8	438.9	438.1	438.9	439.8	440.6	441.5	441.9
125°	479.8	479.6	479.3	479.0	478.6	478.3	478.6	479.0	479.3	479.6	479.8
127.5°	515.5	515.4	515.3	515.1	515.0	514.8	515.0	515.1	515.3	515.4	515.5
130°	553.5	553.2	552.5	551.8	551.2	550.5	551.2	551.8	552.5	553.2	553.5
132.5°	589.2	589.1	588.9	588.8	588.6	588.4	588.6	588.8	588.9	589.1	589.2
135°	624.9	624.6	624.1	623.6	623.1	622.6	623.1	623.6	624.1	624.6	624.9
137.5°	659.0	659.1	659.3	659.4	659.6	659.8	659.6	659.4	659.3	659.1	659.0
140°	694.0	693.9	693.7	693.6	693.4	693.2	693.4	693.6	693.7	693.9	694.0
142.5°	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6	726.6
145°	758.5	758.2	757.7	757.2	756.7	756.2	756.7	757.2	757.7	758.2	758.5
147.5°	788.1	788.0	787.8	787.7	787.5	787.3	787.5	787.7	787.8	788.0	788.1
150°	816.2	816.1	815.9	815.8	815.6	815.4	815.6	815.8	815.9	816.1	816.2
152.5°	843.5	843.3	842.8	842.3	841.8	841.3	841.8	842.3	842.8	843.3	843.5
155°	867.8	867.5	866.8	866.1	865.5	864.8	865.5	866.1	866.8	867.5	867.8
157.5°	889.1	888.8	888.3	887.8	887.3	886.8	887.3	887.8	888.3	888.8	889.1
160°	908.8	908.4	907.5	906.7	905.8	905.0	905.8	906.7	907.5	908.4	908.8
162.5°	927.8	927.4	926.5	925.7	924.8	924.0	924.8	925.7	926.5	927.4	927.8
165°	943.0	942.7	942.0	941.3	940.7	940.0	940.7	941.3	942.0	942.7	943.0
167.5°	956.7	956.2	955.2	954.1	953.1	952.1	953.1	954.1	955.2	956.2	956.7
170°	967.3	966.7	965.5	964.4	963.2	962.0	963.2	964.4	965.5	966.7	967.3
172.5°	975.6	975.0	973.8	972.7	971.5	970.3	971.5	972.7	973.8	975.0	975.6
175°	981.0	980.4	979.2	978.0	976.8	975.6	976.8	978.0	979.2	980.4	981.0
177.5°	984.8	984.1	982.8	981.4	980.1	978.7	980.1	981.4	982.8	984.1	984.8
180°	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7

TEST NUMBER: P1000789

CATALOG NUMBER: SA4XXDIP-B1020D810UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3
2.5°	1550.9	1559.1	1550.9	1556.3	1559.1	1565.9	1568.6	1580.9	1585.0	1594.6	1594.6
5°	1458.0	1462.1	1463.4	1468.9	1474.4	1488.0	1497.6	1515.3	1535.8	1538.6	1550.9
7.5°	1382.8	1389.6	1400.6	1396.5	1406.0	1426.5	1438.8	1460.7	1481.2	1492.1	1507.1
10°	1315.9	1324.0	1328.1	1332.2	1350.0	1367.8	1386.9	1401.9	1429.3	1445.7	1458.0
12.5°	1261.2	1254.4	1262.6	1277.6	1298.1	1309.0	1335.0	1358.2	1378.7	1396.5	1407.4
15°	1190.1	1195.6	1203.8	1229.8	1235.2	1262.6	1272.1	1298.1	1336.3	1352.7	1366.4
17.5°	1121.8	1139.6	1156.0	1165.5	1181.9	1203.8	1231.1	1259.8	1284.4	1303.6	1320.0
20°	1067.2	1084.9	1094.5	1101.3	1117.7	1147.8	1173.7	1209.3	1240.7	1255.7	1277.6
22.5°	1023.4	1023.4	1037.1	1057.6	1067.2	1095.9	1117.7	1156.0	1190.1	1209.3	1229.8
25°	968.8	977.0	987.9	1005.7	1019.3	1042.6	1074.0	1106.8	1143.7	1160.1	1186.0
27.5°	923.7	933.3	948.3	952.4	966.1	986.5	1019.3	1054.9	1093.1	1110.9	1132.8
30°	889.5	895.0	900.5	908.7	921.0	938.7	966.1	997.5	1043.9	1057.6	1084.9
32.5°	859.5	862.2	864.9	871.8	878.6	896.4	918.2	952.4	990.6	1011.1	1035.7
35°	832.1	829.4	830.8	834.9	841.7	848.5	871.8	900.5	936.0	960.6	979.7
37.5°	806.2	800.7	799.3	799.3	802.1	810.3	828.0	852.6	890.9	911.4	930.5
40°	777.5	772.0	769.3	767.9	766.6	772.0	785.7	810.3	840.3	859.5	881.3
42.5°	750.2	744.7	737.9	736.5	733.8	736.5	746.1	769.3	795.2	814.4	832.1
45°	722.8	713.3	705.1	699.6	701.0	696.9	703.7	721.5	751.5	763.8	781.6
47.5°	692.8	681.8	670.9	665.4	660.0	662.7	665.4	680.5	706.4	718.7	736.5
50°	664.1	649.0	636.7	629.9	625.8	623.1	625.8	640.8	660.0	670.9	685.9
52.5°	631.3	616.3	604.0	593.0	587.6	583.5	584.8	598.5	616.3	627.2	642.2
55°	601.2	582.1	565.7	552.0	547.9	546.6	545.2	554.8	569.8	580.7	593.0
57.5°	567.1	547.9	530.2	513.8	505.6	504.2	504.2	506.9	526.1	534.3	541.1
60°	532.9	512.4	493.3	478.2	465.9	461.8	460.5	465.9	475.5	483.7	493.3
62.5°	494.6	474.1	450.9	437.3	425.0	414.0	418.1	419.5	433.2	437.3	445.4
65°	457.7	434.5	415.4	393.5	379.9	373.0	370.3	373.0	384.0	385.3	390.8
67.5°	415.4	393.5	370.3	355.3	343.0	330.7	327.9	327.9	333.4	337.5	344.3
70°	374.4	352.5	326.6	310.2	297.9	286.9	282.8	281.5	285.6	288.3	295.1
72.5°	326.6	304.7	285.6	267.8	252.8	244.6	240.5	237.8	241.9	244.6	246.0
75°	276.0	258.3	239.1	221.4	211.8	203.6	198.1	194.0	196.8	196.8	196.8
77.5°	228.2	210.4	195.4	183.1	170.8	161.2	157.1	153.0	154.4	154.4	157.1
80°	177.6	165.3	153.0	142.1	131.2	123.0	120.2	116.1	113.4	112.0	112.0
82.5°	131.2	121.6	110.7	101.1	95.6	87.5	84.7	79.3	79.3	77.9	77.9
85°	87.5	82.0	71.1	64.2	60.1	56.0	53.3	50.6	46.5	46.5	45.1
87.5°	46.5	43.7	41.0	32.8	32.8	28.7	27.3	26.0	21.9	23.2	23.2
90°	20.8	19.8	18.7	17.7	16.7	15.3	14.0	12.6	11.3	10.6	9.7
92.5°	35.4	34.9	34.4	33.9	33.4	32.6	31.7	30.9	30.0	29.6	28.5
95°	59.7	59.2	58.7	58.2	57.7	56.5	55.3	54.2	53.0	52.4	51.6
97.5°	87.8	87.1	86.4	85.7	85.0	83.7	82.3	81.0	79.7	79.0	78.3
100°	117.5	117.2	116.9	116.5	116.2	114.7	113.1	111.6	110.1	109.3	109.0
102.5°	150.1	149.6	149.1	148.6	148.1	146.7	145.4	144.0	142.7	142.0	141.9
105°	182.7	182.2	181.7	181.2	180.7	180.0	179.4	178.7	178.0	177.7	177.6
107.5°	218.4	217.7	217.0	216.3	215.6	215.4	215.3	215.1	215.0	214.9	214.8
110°	251.5	251.8	252.1	252.5	252.8	253.0	253.2	253.3	253.5	253.6	253.4

TEST NUMBER: P1000789

CATALOG NUMBER: SA4XXDIP-B1020D810UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	290.0	290.0	290.0	290.0	290.0	290.4	290.7	291.1	291.4	291.6	291.6
115°	328.9	329.0	329.2	329.3	329.5	329.8	330.2	330.5	330.8	331.0	331.0
117.5°	365.5	366.0	366.5	367.0	367.5	367.7	367.8	368.0	368.1	368.2	368.2
120°	402.8	403.7	404.5	405.4	406.2	406.7	407.2	407.7	408.2	408.5	408.2
122.5°	442.2	442.7	443.2	443.7	444.2	444.4	444.5	444.7	444.8	444.9	444.8
125°	480.0	480.3	480.7	481.0	481.4	481.6	481.7	481.9	482.0	482.1	482.1
127.5°	515.7	516.0	516.4	516.7	517.1	517.4	517.8	518.1	518.4	518.6	518.3
130°	553.7	554.0	554.3	554.7	555.0	555.0	555.0	555.0	555.0	555.0	554.7
132.5°	589.4	589.7	590.0	590.4	590.7	590.9	591.1	591.2	591.4	591.5	591.3
135°	625.1	625.4	625.7	626.1	626.4	626.4	626.4	626.4	626.4	626.4	625.9
137.5°	659.3	659.8	660.3	660.8	661.3	661.0	660.6	660.3	660.0	659.8	659.5
140°	694.1	694.2	694.4	694.5	694.7	694.7	694.7	694.7	694.7	694.7	694.5
142.5°	726.6	726.6	726.6	726.6	726.6	726.8	727.0	727.1	727.3	727.4	727.2
145°	758.6	758.8	758.9	759.1	759.3	759.1	758.9	758.8	758.6	758.5	758.2
147.5°	788.2	788.4	788.5	788.7	788.9	789.1	789.2	789.4	789.5	789.6	789.2
150°	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	815.9
152.5°	843.3	842.8	842.3	841.8	841.3	841.1	840.9	840.8	840.6	840.5	840.3
155°	867.5	866.8	866.1	865.5	864.8	865.0	865.2	865.3	865.5	865.6	865.6
157.5°	888.8	888.3	887.8	887.3	886.8	886.8	886.8	886.8	886.8	886.8	887.0
160°	908.5	908.0	907.5	907.0	906.5	906.7	906.9	907.0	907.2	907.3	907.4
162.5°	927.3	926.3	925.3	924.3	923.3	923.5	923.6	923.8	923.9	924.0	924.3
165°	942.5	941.5	940.4	939.4	938.4	938.8	939.1	939.5	939.8	940.0	940.2
167.5°	956.2	955.2	954.1	953.1	952.1	952.1	952.1	952.1	952.1	952.1	952.4
170°	966.8	965.8	964.7	963.7	962.7	962.5	962.4	962.2	962.1	962.0	962.4
172.5°	975.0	973.8	972.7	971.5	970.3	970.3	970.3	970.3	970.3	970.3	970.6
175°	980.4	979.2	978.0	976.8	975.6	975.8	976.0	976.1	976.3	976.4	976.8
177.5°	984.2	983.0	981.8	980.6	979.4	979.4	979.4	979.4	979.4	979.4	979.8
180°	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7	981.7

TEST NUMBER: P1000789

CATALOG NUMBER: SA4XXDIP-B1020D810UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1649.3	1649.3	1649.3	1649.3
2.5°	1604.2	1617.8	1630.1	1649.3
5°	1568.6	1587.8	1613.7	1642.4
7.5°	1527.6	1557.7	1591.9	1631.5
10°	1489.4	1523.5	1567.3	1615.1
12.5°	1449.8	1490.8	1538.6	1590.5
15°	1404.7	1445.7	1498.9	1568.6
17.5°	1363.7	1412.9	1470.3	1544.0
20°	1315.9	1362.3	1425.2	1509.9
22.5°	1273.5	1326.8	1396.5	1470.3
25°	1227.0	1273.5	1343.2	1432.0
27.5°	1180.6	1238.0	1304.9	1391.0
30°	1135.5	1183.3	1255.7	1345.9
32.5°	1086.3	1143.7	1210.6	1295.4
35°	1033.0	1087.7	1150.5	1242.1
37.5°	985.2	1038.5	1102.7	1183.3
40°	931.9	987.9	1046.7	1127.3
42.5°	880.0	930.5	989.3	1063.1
45°	829.4	873.1	926.4	990.6
47.5°	777.5	814.4	863.6	921.0
50°	721.5	761.1	798.0	845.8
52.5°	669.5	703.7	733.8	773.4
55°	619.0	642.2	666.8	696.9
57.5°	565.7	583.5	601.2	632.6
60°	512.4	528.8	538.4	558.9
62.5°	460.5	467.3	479.6	491.9
65°	403.1	412.7	419.5	434.5
67.5°	351.2	355.3	362.1	371.7
70°	296.5	306.1	308.8	315.6
72.5°	250.1	254.2	256.9	258.3
75°	198.1	202.2	205.0	213.2
77.5°	155.8	154.4	159.9	161.2
80°	114.8	110.7	112.0	117.5
82.5°	75.2	76.5	75.2	75.2
85°	46.5	45.1	42.4	43.7
87.5°	20.5	20.5	19.1	19.1
90°	7.8	6.0	4.1	2.3
92.5°	26.3	24.1	21.9	19.7
95°	50.1	48.6	47.1	45.6
97.5°	77.0	75.6	74.3	72.9
100°	108.3	107.6	107.0	106.3
102.5°	141.7	141.6	141.4	141.2
105°	177.4	177.3	177.1	176.9
107.5°	214.6	214.5	214.3	214.1
110°	253.1	252.8	252.4	252.1

TEST NUMBER: P1000789

CATALOG NUMBER: SA4XXDIP-B1020D810UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	291.6	291.6	291.6	291.6
115°	331.0	331.0	331.0	331.0
117.5°	368.2	368.2	368.2	368.2
120°	407.5	406.8	406.1	405.4
122.5°	444.7	444.5	444.4	444.2
125°	482.1	482.1	482.1	482.1
127.5°	517.8	517.3	516.8	516.3
130°	554.2	553.7	553.2	552.7
132.5°	591.0	590.6	590.3	589.9
135°	624.9	623.8	622.8	621.8
137.5°	659.0	658.5	658.0	657.5
140°	694.2	693.9	693.5	693.2
142.5°	726.9	726.5	726.2	725.8
145°	757.5	756.8	756.2	755.5
147.5°	788.3	787.5	786.6	785.8
150°	815.2	814.5	813.9	813.2
152.5°	840.0	839.7	839.3	839.0
155°	865.6	865.6	865.6	865.6
157.5°	887.3	887.6	888.0	888.3
160°	907.6	907.7	907.9	908.1
162.5°	924.8	925.3	925.8	926.3
165°	940.7	941.2	941.7	942.2
167.5°	953.1	953.8	954.4	955.1
170°	963.3	964.1	965.0	965.8
172.5°	971.3	972.0	972.7	973.4
175°	977.7	978.5	979.4	980.2
177.5°	980.7	981.5	982.4	983.2
180°	981.7	981.7	981.7	981.7

(END OF REPORT)