

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: P999324

Luminaire Tested: SA2XXRDIP-B1005D330UB30-4F0-XX-W2A-A1

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P999324
REPORT IS A COMBINATION OF REPORTS P987875 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-B1005D330UB30-4F0-XX-W2A-A1
Description: Define 2 Regressed Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

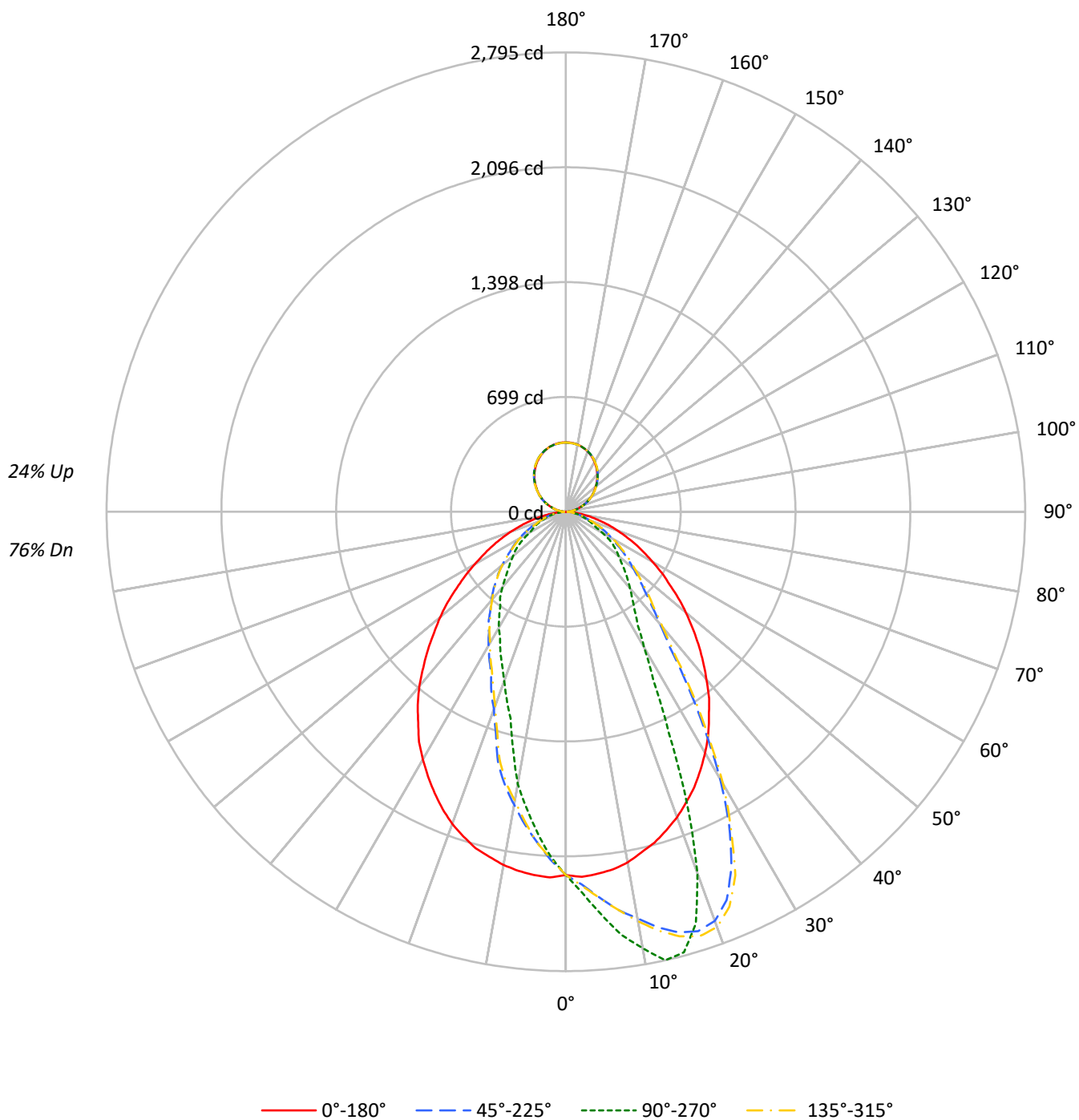
Lumens per Lamp: N/A
Luminaire Lumens: 4998.0 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 70.6
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	113	113	113	113	108	108	108	108	98	98	98	89	89	89	80	80	80
1	105	101	97	94	100	96	93	90	88	85	83	80	78	77	73	72	70
2	97	90	84	79	92	86	81	76	79	74	71	72	69	66	66	63	61
3	89	80	73	67	85	77	70	65	71	65	61	65	61	57	59	56	54
4	82	72	64	58	78	69	62	57	64	58	54	59	54	50	54	50	47
5	76	65	57	51	73	63	55	50	58	52	47	54	49	45	50	46	42
6	71	59	51	46	68	57	50	44	53	47	42	49	44	40	46	41	38
7	66	54	46	41	63	52	45	40	49	42	38	45	40	36	42	38	34
8	62	50	42	37	59	48	41	36	45	39	35	42	37	33	39	35	31
9	58	46	38	34	55	44	38	33	42	36	32	39	34	30	36	32	29
10	54	43	35	31	52	41	35	30	39	33	29	36	31	28	34	30	27

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	34981	34981	34981	34981
5°	35062	37156	35184	29683
10°	34677	39272	34923	24512
15°	33925	39285	34499	18415
20°	33019	32472	33737	15193
25°	31922	20291	32611	12923
30°	30521	12992	31351	11127
35°	28816	9984	29748	9522
40°	26916	8392	28068	8329
45°	24887	7143	25926	6991
50°	22806	6070	23870	6047
55°	20502	5275	21607	5206
60°	18453	4022	19433	3974
65°	16541	3028	17526	3433
70°	14434	2418	15565	2799
75°	12201	1853	13314	2117
80°	9684	1259	10419	1388
85°	6724	649	7374	687

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 32000 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.6	4.2
10°-20°	585.1	11.7
20°-30°	753.0	15.1
30°-40°	714.4	14.3
40°-50°	612.2	12.2
50°-60°	466.2	9.3
60°-70°	294.0	5.9
70°-80°	146.7	2.9
80°-90°	38.9	0.8
90°-100°	26.1	0.5
100°-110°	82.9	1.7
110°-120°	141.8	2.8
120°-130°	186.4	3.7
130°-140°	209.3	4.2
140°-150°	205.2	4.1
150°-160°	172.1	3.4
160°-170°	114.2	2.3
170°-180°	39.9	0.8
0°-30°	1547.7	31.0
0°-40°	2262.1	45.3
0°-60°	3340.6	66.8
0°-90°	3820.2	76.4
90°-120°	250.7	5.0
90°-150°	851.6	17.0
90°-180°	1178.0	23.6
0°-180°	4998.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2210	2210	2210	2210	2210	
5°	2211	2459	2219	1964	2211	210
15°	2084	2775	2119	1301	2084	586
25°	1849	1480	1889	943	1849	849
35°	1517	730	1566	696	1517	949
45°	1140	507	1187	496	1140	880
55°	769	352	811	347	769	693
65°	465	183	493	207	465	462
75°	218	97	238	111	218	236
85°	48	28	52	29	48	54
90°	0	12	0	12	0	4
95°	18	22	18	22	18	21
105°	76	79	76	79	76	81
115°	142	142	142	142	142	141
125°	207	208	207	208	207	185
135°	268	271	268	271	268	207
145°	325	328	325	328	325	203
155°	372	374	372	374	372	171
165°	404	405	404	405	404	114
175°	421	419	421	419	421	40
180°	421	421	421	421	421	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9
2.5°	2223.7	2232.9	2237.6	2243.7	2257.5	2266.7	2280.6	2283.6	2282.1	2288.2	2271.3
5°	2211.4	2231.4	2249.8	2265.2	2289.8	2305.1	2322.0	2342.0	2346.6	2369.6	2355.8
7.5°	2194.6	2223.7	2249.8	2280.6	2317.4	2337.4	2363.5	2394.2	2408.0	2435.7	2443.3
10°	2166.9	2208.4	2252.9	2285.2	2335.8	2371.2	2395.7	2444.9	2477.1	2518.6	2512.4
12.5°	2122.4	2176.1	2236.0	2289.8	2355.8	2378.8	2424.9	2475.6	2517.1	2555.4	2589.2
15°	2084.0	2145.4	2211.4	2277.5	2352.7	2395.7	2441.8	2507.8	2552.4	2619.9	2649.1
17.5°	2031.8	2110.1	2188.4	2262.1	2351.2	2400.3	2457.2	2521.7	2587.7	2652.2	2675.2
20°	1978.0	2062.5	2146.9	2246.8	2348.1	2395.7	2454.1	2533.9	2598.4	2649.1	2649.1
22.5°	1913.5	2016.4	2113.2	2208.4	2318.9	2388.1	2447.9	2541.6	2587.7	2598.4	2557.0
25°	1849.0	1951.9	2057.9	2176.1	2302.1	2363.5	2431.1	2518.6	2533.9	2490.9	2383.4
27.5°	1772.2	1887.4	2007.2	2134.7	2266.7	2343.5	2404.9	2463.3	2434.1	2318.9	2151.6
30°	1693.9	1818.3	1953.4	2074.8	2234.5	2305.1	2357.3	2374.2	2282.1	2094.7	1878.2
32.5°	1612.5	1733.8	1876.7	2022.6	2183.8	2251.4	2285.2	2240.6	2071.7	1835.2	1571.0
35°	1517.3	1654.0	1802.9	1955.0	2114.7	2165.4	2185.3	2076.3	1859.8	1554.2	1291.5
37.5°	1431.3	1568.0	1727.7	1882.8	2037.9	2065.6	2045.6	1875.1	1600.2	1297.7	1041.2
40°	1329.9	1475.8	1632.5	1806.0	1933.5	1941.2	1892.0	1670.9	1329.9	1045.8	887.7
42.5°	1236.3	1383.7	1540.3	1716.9	1813.7	1787.6	1721.5	1431.3	1110.3	901.5	774.0
45°	1139.5	1279.3	1448.2	1604.8	1673.9	1612.5	1512.7	1204.0	932.2	775.5	677.3
47.5°	1045.8	1176.4	1343.8	1494.3	1506.5	1437.4	1319.2	1009.0	807.8	681.9	602.0
50°	953.7	1084.2	1240.9	1365.3	1353.0	1257.8	1124.2	876.9	701.8	602.0	536.0
52.5°	861.5	979.8	1131.8	1230.1	1177.9	1085.8	953.7	743.3	612.8	525.2	474.5
55°	769.4	880.0	1010.5	1091.9	1009.0	903.0	809.3	637.3	531.4	460.7	422.3
57.5°	692.6	780.1	899.9	949.1	849.3	766.3	684.9	548.3	460.7	410.0	365.5
60°	608.1	688.0	786.3	815.5	712.6	645.0	575.9	463.8	394.7	350.1	321.0
62.5°	536.0	602.0	677.3	677.3	586.6	536.0	483.8	388.5	331.7	296.4	282.6
65°	465.3	512.9	566.7	560.5	483.8	439.2	397.8	321.0	278.0	253.4	239.6
67.5°	396.2	433.1	468.4	446.9	391.6	353.2	314.8	259.5	230.4	213.5	195.0
70°	333.3	362.4	380.9	360.9	305.6	273.4	245.7	208.9	185.8	164.3	153.6
72.5°	279.5	291.8	297.9	273.4	227.3	208.9	188.9	162.8	142.8	132.1	129.0
75°	218.1	228.8	224.2	205.8	167.4	153.6	138.2	119.8	115.2	109.0	106.0
77.5°	170.5	170.5	162.8	145.9	119.8	109.0	102.9	93.7	89.1	87.5	84.5
80°	121.3	119.8	115.2	96.8	81.4	75.3	75.3	69.1	67.6	64.5	64.5
82.5°	79.9	79.9	73.7	58.4	53.8	52.2	50.7	47.6	47.6	46.1	46.1
85°	47.6	44.5	36.9	32.3	30.7	30.7	29.2	27.6	29.2	27.6	27.6
87.5°	21.5	16.9	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
90°	0.4	1.3	2.3	3.2	4.1	4.6	5.5	7.2	8.9	10.7	12.4
92.5°	7.8	8.4	9.1	9.7	10.4	10.7	10.7	10.8	10.9	10.9	11.0
95°	18.5	19.3	20.1	20.8	21.6	22.0	22.1	22.3	22.4	22.6	22.8
97.5°	30.9	31.6	32.3	33.0	33.7	34.1	34.3	34.6	34.9	35.3	35.6
100°	45.1	45.7	46.4	47.0	47.7	48.0	48.1	48.4	48.6	48.9	49.1
102.5°	60.1	60.6	61.0	61.5	62.0	62.2	62.4	62.7	63.0	63.3	63.6
105°	76.4	76.6	76.9	77.1	77.4	77.5	77.6	77.7	77.9	78.0	78.2
107.5°	92.8	93.1	93.4	93.7	94.0	94.2	94.2	94.2	94.2	94.2	94.2
110°	108.4	108.9	109.4	109.9	110.4	110.6	110.6	110.6	110.6	110.6	110.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	125.5	126.0	126.4	126.9	127.4	127.6	127.6	127.5	127.4	127.4	127.3
115°	142.2	142.7	143.1	143.6	144.1	144.3	144.2	144.1	143.9	143.8	143.6
117.5°	158.9	159.5	160.2	160.8	161.5	161.8	161.6	161.2	160.8	160.4	160.0
120°	175.6	176.2	176.9	177.5	178.2	178.5	178.2	177.5	176.9	176.2	175.6
122.5°	190.9	191.7	192.5	193.3	194.1	194.5	194.3	193.9	193.5	193.1	192.7
125°	206.9	207.6	208.3	209.0	209.7	210.1	210.0	209.7	209.5	209.2	209.0
127.5°	222.5	223.4	224.3	225.2	226.1	226.5	226.3	226.0	225.7	225.3	225.0
130°	237.1	238.1	239.1	240.2	241.2	241.7	241.6	241.5	241.3	241.2	241.0
132.5°	253.5	254.3	255.1	255.8	256.6	257.0	257.0	257.1	257.2	257.3	257.4
135°	267.7	268.6	269.4	270.3	271.2	271.6	271.7	271.8	272.0	272.1	272.3
137.5°	283.3	284.0	284.7	285.4	286.1	286.5	286.6	286.7	286.9	287.0	287.2
140°	297.2	297.9	298.6	299.3	300.0	300.4	300.6	301.0	301.4	301.8	302.2
142.5°	311.4	312.1	312.8	313.5	314.2	314.6	314.7	315.0	315.2	315.5	315.7
145°	324.9	325.5	326.0	326.6	327.1	327.4	327.6	328.1	328.6	329.1	329.6
147.5°	337.0	337.7	338.4	339.1	339.8	340.2	340.4	340.7	341.0	341.3	341.6
150°	349.5	350.0	350.4	350.9	351.4	351.6	351.8	352.1	352.4	352.7	353.0
152.5°	360.5	361.0	361.4	361.9	362.4	362.6	362.8	363.2	363.6	364.0	364.4
155°	371.5	371.7	372.0	372.2	372.5	372.6	372.7	372.9	373.2	373.4	373.6
157.5°	381.1	381.3	381.4	381.6	381.7	381.8	381.9	382.0	382.2	382.3	382.5
160°	389.6	389.8	389.9	390.1	390.2	390.3	390.3	390.4	390.5	390.6	390.7
162.5°	397.5	397.5	397.5	397.5	397.5	397.5	397.5	397.6	397.7	397.7	397.8
165°	404.2	404.1	404.1	404.0	403.9	403.9	403.9	403.9	403.9	403.9	403.9
167.5°	410.3	410.1	409.8	409.6	409.3	409.2	409.2	409.2	409.2	409.2	409.2
170°	414.9	414.7	414.4	414.2	413.9	413.8	413.8	413.7	413.6	413.6	413.5
172.5°	418.1	417.9	417.6	417.4	417.1	417.0	417.0	416.9	416.8	416.8	416.7
175°	420.6	420.4	420.1	419.9	419.6	419.5	419.4	419.3	419.1	419.0	418.8
177.5°	422.0	421.8	421.5	421.3	421.0	420.9	420.8	420.7	420.5	420.4	420.2
180°	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9
2.5°	2288.2	2291.3	2295.9	2317.4	2320.5	2326.6	2323.6	2323.6	2325.1	2322.0	2323.6
5°	2386.5	2391.1	2414.2	2440.3	2446.4	2440.3	2447.9	2458.7	2458.7	2458.7	2455.6
7.5°	2478.7	2495.6	2521.7	2560.1	2567.7	2575.4	2589.2	2580.0	2583.1	2596.9	2592.3
10°	2567.7	2592.3	2621.5	2653.7	2670.6	2681.4	2687.5	2701.3	2733.6	2696.7	2710.6
12.5°	2652.2	2687.5	2718.2	2753.6	2765.8	2779.7	2784.3	2796.6	2796.6	2795.0	2805.8
15°	2707.5	2739.7	2767.4	2790.4	2793.5	2790.4	2787.3	2788.9	2793.5	2775.1	2785.8
17.5°	2719.8	2722.8	2732.1	2722.8	2724.4	2692.1	2673.7	2669.1	2626.1	2627.6	2663.0
20°	2659.9	2607.7	2593.8	2543.2	2512.4	2429.5	2426.4	2403.4	2312.8	2340.4	2334.3
22.5°	2495.6	2406.5	2288.2	2229.9	2200.7	2113.2	2045.6	1998.0	1965.7	1933.5	1919.7
25°	2279.0	2134.7	1967.3	1852.1	1835.2	1753.8	1629.4	1571.0	1501.9	1480.4	1517.3
27.5°	1999.5	1812.2	1623.3	1446.7	1414.4	1340.7	1277.7	1236.3	1156.4	1151.8	1154.9
30°	1620.2	1431.3	1273.1	1157.9	1078.1	1044.3	1002.8	972.1	939.9	952.2	955.2
32.5°	1331.5	1151.8	1004.4	942.9	906.1	884.6	849.3	829.3	815.5	810.9	809.3
35°	1058.1	938.3	872.3	812.4	790.9	775.5	749.4	740.2	727.9	729.5	729.5
37.5°	906.1	806.3	757.1	726.4	706.4	698.8	681.9	672.6	665.0	661.9	666.5
40°	781.7	712.6	681.9	654.2	637.3	634.3	625.0	614.3	605.1	606.6	611.2
42.5°	691.1	651.1	614.3	592.8	580.5	575.9	568.2	560.5	560.5	555.9	554.4
45°	618.9	586.6	555.9	536.0	528.3	522.1	512.9	511.4	505.3	506.8	508.3
47.5°	554.4	528.3	505.3	485.3	477.6	476.1	466.9	460.7	460.7	459.2	457.6
50°	496.0	469.9	450.0	439.2	428.5	425.4	423.9	422.3	419.3	419.3	420.8
52.5°	448.4	422.3	407.0	397.8	391.6	388.5	388.5	387.0	387.0	387.0	385.5
55°	396.2	374.7	362.4	359.4	356.3	354.8	353.2	350.1	348.6	351.7	348.6
57.5°	347.1	339.4	328.6	325.6	317.9	317.9	313.3	310.2	307.1	310.2	310.2
60°	308.7	297.9	291.8	282.6	276.4	270.3	262.6	261.1	258.0	256.5	254.9
62.5°	268.8	259.5	244.2	230.4	221.1	215.0	211.9	210.4	210.4	208.9	208.9
65°	224.2	202.7	195.0	190.4	188.9	187.4	184.3	182.8	184.3	182.8	184.3
67.5°	175.1	172.0	167.4	164.3	162.8	161.3	161.3	159.7	159.7	159.7	159.7
70°	152.0	144.4	142.8	139.8	139.8	138.2	138.2	138.2	138.2	136.7	139.8
72.5°	125.9	121.3	119.8	118.3	118.3	118.3	116.7	116.7	116.7	115.2	116.7
75°	102.9	101.4	98.3	98.3	96.8	98.3	96.8	96.8	95.2	96.8	96.8
77.5°	82.9	81.4	79.9	79.9	78.3	78.3	78.3	78.3	78.3	78.3	79.9
80°	63.0	61.4	59.9	61.4	59.9	61.4	59.9	59.9	61.4	59.9	59.9
82.5°	46.1	44.5	44.5	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
85°	27.6	26.1	26.1	27.6	26.1	27.6	26.1	26.1	26.1	27.6	27.6
87.5°	12.3	13.8	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	13.8
90°	12.2	12.1	11.9	11.8	11.7	11.7	11.8	11.9	12.0	12.1	12.0
92.5°	11.1	11.2	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
95°	22.8	22.8	22.8	22.8	22.8	22.7	22.5	22.4	22.2	22.0	22.2
97.5°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
100°	49.1	49.1	49.1	49.1	49.1	49.1	49.0	48.9	48.8	48.7	48.8
102.5°	63.7	63.8	63.9	64.0	64.0	64.0	63.9	63.8	63.7	63.6	63.7
105°	78.4	78.5	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9
107.5°	94.3	94.4	94.5	94.6	94.6	94.4	94.0	93.6	93.2	92.8	93.2
110°	110.6	110.6	110.6	110.6	110.6	110.5	110.2	110.0	109.7	109.5	109.7

TEST NUMBER: P999324

CATALOG NUMBER: SA2XXRDIP-B1005D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	127.1	126.8	126.6	126.3	126.2	126.1	126.0	125.8	125.7	125.5	125.7
115°	143.5	143.5	143.4	143.3	143.3	143.2	142.9	142.7	142.4	142.2	142.4
117.5°	159.8	159.5	159.3	159.0	158.9	158.8	158.5	158.3	158.0	157.8	158.0
120°	175.6	175.6	175.6	175.6	175.6	175.5	175.3	175.0	174.8	174.6	174.8
122.5°	192.5	192.2	192.0	191.7	191.6	191.5	191.4	191.2	191.1	190.9	191.1
125°	208.8	208.6	208.3	208.1	208.0	208.0	207.9	207.8	207.7	207.6	207.7
127.5°	224.7	224.4	224.1	223.8	223.6	223.5	223.2	223.0	222.7	222.5	222.7
130°	240.8	240.7	240.5	240.4	240.3	240.1	239.8	239.5	239.2	238.9	239.2
132.5°	257.0	256.6	256.2	255.8	255.6	255.5	255.2	255.0	254.7	254.5	254.7
135°	272.2	272.2	272.1	272.0	272.0	271.9	271.6	271.4	271.1	270.9	271.1
137.5°	287.1	287.1	287.0	286.9	286.9	286.7	286.4	286.1	285.8	285.5	285.8
140°	302.2	302.2	302.2	302.2	302.2	302.0	301.7	301.4	301.1	300.8	301.1
142.5°	315.8	315.8	315.9	316.0	316.0	315.8	315.5	315.2	314.9	314.6	314.9
145°	329.7	329.7	329.8	329.9	329.9	329.7	329.4	329.1	328.8	328.5	328.8
147.5°	341.8	342.0	342.1	342.3	342.4	342.2	341.9	341.6	341.2	340.9	341.2
150°	353.2	353.5	353.7	354.0	354.1	354.0	353.7	353.5	353.2	353.0	353.2
152.5°	364.7	365.0	365.3	365.6	365.8	365.6	365.3	365.0	364.7	364.4	364.7
155°	374.0	374.4	374.8	375.2	375.4	375.3	375.0	374.8	374.5	374.3	374.5
157.5°	383.1	383.6	384.2	384.7	385.0	384.8	384.4	384.0	383.6	383.2	383.6
160°	391.2	391.6	392.1	392.6	392.8	392.6	392.3	392.0	391.7	391.4	391.7
162.5°	398.4	398.9	399.5	400.0	400.3	400.1	399.7	399.3	398.9	398.5	398.9
165°	404.4	405.0	405.5	406.0	406.3	406.1	405.7	405.4	405.0	404.6	405.0
167.5°	409.8	410.3	410.9	411.4	411.7	411.5	411.1	410.7	410.3	409.9	410.3
170°	414.0	414.6	415.1	415.6	415.9	415.7	415.2	414.7	414.3	413.8	414.3
172.5°	417.2	417.8	418.3	418.8	419.1	418.9	418.4	417.9	417.5	417.0	417.5
175°	419.4	419.9	420.5	421.0	421.3	421.1	420.6	420.1	419.6	419.1	419.6
177.5°	420.7	421.1	421.6	422.1	422.3	422.1	421.6	421.1	420.7	420.2	420.7
180°	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3

TEST NUMBER: P999324

CATALOG NUMBER: SA2XXRDIP-B1005D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9
2.5°	2329.7	2318.9	2315.9	2318.9	2315.9	2317.4	2306.7	2266.7	2277.5	2260.6	2269.8
5°	2461.8	2452.6	2432.6	2429.5	2426.4	2423.4	2408.0	2372.7	2358.9	2335.8	2334.3
7.5°	2587.7	2587.7	2572.3	2561.6	2547.8	2537.0	2517.1	2464.8	2443.3	2415.7	2400.3
10°	2712.1	2672.2	2689.1	2678.3	2644.5	2638.4	2601.5	2570.8	2529.3	2501.7	2477.1
12.5°	2801.2	2788.9	2773.5	2764.3	2755.1	2735.1	2710.6	2632.2	2610.7	2555.4	2527.8
15°	2798.1	2790.4	2795.0	2795.0	2792.0	2787.3	2767.4	2710.6	2673.7	2619.9	2572.3
17.5°	2647.6	2667.6	2687.5	2701.3	2732.1	2745.9	2764.3	2730.5	2707.5	2661.4	2610.7
20°	2385.0	2434.1	2492.5	2504.8	2532.4	2613.8	2650.7	2679.8	2689.1	2673.7	2632.2
22.5°	2019.5	2060.9	2202.2	2199.2	2239.1	2335.8	2443.3	2530.9	2600.0	2638.4	2623.0
25°	1581.8	1640.2	1715.4	1772.2	1902.8	2047.1	2180.7	2320.5	2440.3	2546.2	2572.3
27.5°	1196.3	1273.1	1333.0	1408.3	1474.3	1644.8	1816.8	2034.8	2174.6	2375.8	2480.2
30°	967.5	1002.8	1062.7	1098.0	1130.3	1260.8	1455.9	1670.9	1916.6	2148.5	2328.2
32.5°	826.2	850.8	895.3	910.7	944.5	1032.0	1154.9	1351.4	1604.8	1885.9	2122.4
35°	741.8	767.9	777.1	790.9	818.5	873.8	958.3	1101.1	1329.9	1604.8	1887.4
37.5°	669.6	683.4	709.5	718.7	727.9	769.4	826.2	926.0	1078.1	1303.8	1617.1
40°	618.9	626.6	640.4	648.1	654.2	683.4	734.1	801.6	913.8	1085.8	1374.5
42.5°	565.1	574.4	583.6	592.8	600.5	623.5	654.2	718.7	794.0	924.5	1133.4
45°	512.9	519.1	529.8	536.0	546.7	565.1	592.8	637.3	704.9	787.8	956.8
47.5°	465.3	473.0	477.6	485.3	493.0	512.9	539.0	568.2	623.5	704.9	827.8
50°	422.3	431.5	437.7	439.2	445.4	463.8	485.3	517.5	552.9	615.8	723.3
52.5°	391.6	393.1	397.8	403.9	402.4	413.1	433.1	457.6	494.5	545.2	623.5
55°	356.3	360.9	364.0	365.5	365.5	374.7	385.5	408.5	437.7	479.1	545.2
57.5°	311.8	316.4	325.6	328.6	333.3	337.9	342.5	357.8	382.4	422.3	476.1
60°	265.7	268.8	278.0	284.1	287.2	299.5	305.6	317.9	331.7	360.9	411.6
62.5°	213.5	216.5	221.1	227.3	233.4	251.9	267.2	279.5	290.3	310.2	351.7
65°	185.8	187.4	190.4	192.0	193.5	201.2	215.0	231.9	251.9	267.2	291.8
67.5°	161.3	162.8	164.3	167.4	168.9	170.5	176.6	181.2	201.2	222.7	241.1
70°	138.2	141.3	142.8	142.8	144.4	147.4	150.5	156.6	162.8	173.5	196.6
72.5°	116.7	118.3	121.3	121.3	121.3	124.4	127.5	130.5	133.6	139.8	149.0
75°	96.8	99.8	99.8	99.8	101.4	101.4	104.4	107.5	110.6	115.2	118.3
77.5°	79.9	79.9	79.9	79.9	81.4	81.4	82.9	86.0	87.5	89.1	92.1
80°	59.9	61.4	61.4	61.4	63.0	63.0	63.0	66.0	67.6	67.6	70.6
82.5°	44.5	44.5	44.5	46.1	44.5	46.1	46.1	47.6	46.1	47.6	49.1
85°	27.6	27.6	27.6	29.2	29.2	29.2	29.2	29.2	29.2	29.2	30.7
87.5°	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	15.4	13.8	13.8
90°	11.9	11.8	11.7	11.7	11.8	11.9	12.1	12.2	12.4	10.7	8.9
92.5°	11.4	11.4	11.4	11.4	11.4	11.3	11.2	11.1	11.0	10.9	10.9
95°	22.4	22.5	22.7	22.8	22.8	22.8	22.8	22.8	22.8	22.6	22.4
97.5°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.3	34.9
100°	48.9	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	48.9	48.6
102.5°	63.8	63.9	64.0	64.0	64.0	63.9	63.8	63.7	63.6	63.3	63.0
105°	78.9	78.9	78.9	78.9	78.8	78.7	78.5	78.4	78.2	78.0	77.9
107.5°	93.6	94.0	94.4	94.6	94.6	94.5	94.4	94.3	94.2	94.2	94.2
110°	110.0	110.2	110.5	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6

TEST NUMBER: P999324

CATALOG NUMBER: SA2XXRDIP-B1005D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	125.8	126.0	126.1	126.2	126.3	126.6	126.8	127.1	127.3	127.4	127.4
115°	142.7	142.9	143.2	143.3	143.3	143.4	143.5	143.5	143.6	143.8	143.9
117.5°	158.3	158.5	158.8	158.9	159.0	159.3	159.5	159.8	160.0	160.4	160.8
120°	175.0	175.3	175.5	175.6	175.6	175.6	175.6	175.6	175.6	176.2	176.9
122.5°	191.2	191.4	191.5	191.6	191.7	192.0	192.2	192.5	192.7	193.1	193.5
125°	207.8	207.9	208.0	208.0	208.1	208.3	208.6	208.8	209.0	209.2	209.5
127.5°	223.0	223.2	223.5	223.6	223.8	224.1	224.4	224.7	225.0	225.3	225.7
130°	239.5	239.8	240.1	240.3	240.4	240.5	240.7	240.8	241.0	241.2	241.3
132.5°	255.0	255.2	255.5	255.6	255.8	256.2	256.6	257.0	257.4	257.3	257.2
135°	271.4	271.6	271.9	272.0	272.0	272.1	272.2	272.2	272.3	272.1	272.0
137.5°	286.1	286.4	286.7	286.9	286.9	287.0	287.1	287.1	287.2	287.0	286.9
140°	301.4	301.7	302.0	302.2	302.2	302.2	302.2	302.2	302.2	301.8	301.4
142.5°	315.2	315.5	315.8	316.0	316.0	315.9	315.8	315.8	315.7	315.5	315.2
145°	329.1	329.4	329.7	329.9	329.9	329.8	329.7	329.7	329.6	329.1	328.6
147.5°	341.6	341.9	342.2	342.4	342.3	342.1	342.0	341.8	341.6	341.3	341.0
150°	353.5	353.7	354.0	354.1	354.0	353.7	353.5	353.2	353.0	352.7	352.4
152.5°	365.0	365.3	365.6	365.8	365.6	365.3	365.0	364.7	364.4	364.0	363.6
155°	374.8	375.0	375.3	375.4	375.2	374.8	374.4	374.0	373.6	373.4	373.2
157.5°	384.0	384.4	384.8	385.0	384.7	384.2	383.6	383.1	382.5	382.3	382.2
160°	392.0	392.3	392.6	392.8	392.6	392.1	391.6	391.2	390.7	390.6	390.5
162.5°	399.3	399.7	400.1	400.3	400.0	399.5	398.9	398.4	397.8	397.7	397.7
165°	405.4	405.7	406.1	406.3	406.0	405.5	405.0	404.4	403.9	403.9	403.9
167.5°	410.7	411.1	411.5	411.7	411.4	410.9	410.3	409.8	409.2	409.2	409.2
170°	414.7	415.2	415.7	415.9	415.6	415.1	414.6	414.0	413.5	413.6	413.6
172.5°	417.9	418.4	418.9	419.1	418.8	418.3	417.8	417.2	416.7	416.8	416.8
175°	420.1	420.6	421.1	421.3	421.0	420.5	419.9	419.4	418.8	419.0	419.1
177.5°	421.1	421.6	422.1	422.3	422.1	421.6	421.1	420.7	420.2	420.4	420.5
180°	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3

TEST NUMBER: P999324

CATALOG NUMBER: SA2XXRDIP-B1005D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9
2.5°	2256.0	2248.3	2248.3	2243.7	2243.7	2219.1	2219.1	2226.8	2217.6	2206.8	2191.5
5°	2314.3	2297.4	2292.8	2286.7	2266.7	2236.0	2223.7	2219.1	2200.7	2177.7	2151.6
7.5°	2369.6	2342.0	2328.2	2314.3	2288.2	2245.2	2220.7	2203.8	2176.1	2140.8	2107.0
10°	2423.4	2388.1	2352.7	2335.8	2299.0	2245.2	2209.9	2182.3	2142.3	2094.7	2047.1
12.5°	2472.5	2398.8	2392.7	2358.9	2305.1	2243.7	2189.9	2150.0	2099.3	2044.1	1988.8
15°	2515.5	2440.3	2403.4	2372.7	2302.1	2225.3	2168.4	2119.3	2051.7	1988.8	1921.2
17.5°	2537.0	2455.6	2431.1	2380.4	2308.2	2208.4	2131.6	2071.7	1998.0	1922.7	1845.9
20°	2558.5	2463.3	2423.4	2388.1	2289.8	2176.1	2090.1	2021.0	1939.6	1850.6	1766.1
22.5°	2569.3	2463.3	2415.7	2366.6	2271.3	2140.8	2039.4	1958.1	1862.8	1772.2	1670.9
25°	2550.8	2454.1	2397.3	2346.6	2239.1	2097.8	1981.1	1888.9	1787.6	1684.7	1581.8
27.5°	2504.8	2432.6	2366.6	2314.3	2194.6	2042.5	1919.7	1815.2	1710.8	1595.6	1491.2
30°	2418.8	2386.5	2334.3	2275.9	2145.4	1993.4	1847.5	1740.0	1624.8	1509.6	1400.6
32.5°	2285.2	2312.8	2279.0	2228.3	2087.1	1925.8	1770.7	1661.7	1535.7	1411.3	1311.5
35°	2122.4	2220.7	2202.2	2166.9	2025.6	1853.6	1698.5	1566.4	1440.5	1314.6	1214.8
37.5°	1944.2	2093.2	2108.6	2087.1	1955.0	1779.9	1609.4	1480.4	1351.4	1224.0	1122.6
40°	1700.0	1928.9	1978.0	1987.2	1881.3	1690.8	1512.7	1386.8	1259.3	1134.9	1012.0
42.5°	1475.8	1764.5	1826.0	1864.4	1787.6	1603.3	1423.6	1283.9	1157.9	1045.8	923.0
45°	1265.4	1566.4	1666.3	1715.4	1681.6	1503.5	1317.7	1187.1	1071.9	969.0	850.8
47.5°	1048.9	1351.4	1491.2	1569.5	1569.5	1402.1	1216.3	1087.3	976.7	889.2	784.8
50°	904.5	1156.4	1300.8	1403.7	1431.3	1299.2	1124.2	998.2	893.8	798.6	718.7
52.5°	770.9	996.7	1116.5	1224.0	1303.8	1188.7	1021.3	907.6	804.7	715.6	652.7
55°	666.5	835.4	944.5	1062.7	1151.8	1076.5	921.4	810.9	721.8	648.1	594.3
57.5°	566.7	714.1	803.2	907.6	1002.8	946.0	821.6	726.4	648.1	583.6	536.0
60°	482.2	602.0	671.1	752.5	870.8	830.8	727.9	640.4	577.4	519.1	479.1
62.5°	410.0	505.3	563.6	622.0	729.5	711.0	631.2	563.6	509.9	460.7	426.9
65°	336.3	414.6	460.7	511.4	597.4	605.1	540.6	493.0	443.8	400.8	370.1
67.5°	271.8	333.3	374.7	417.7	486.8	508.3	463.8	423.9	382.4	347.1	319.4
70°	219.6	262.6	293.3	327.1	383.9	410.0	387.0	359.4	325.6	296.4	271.8
72.5°	173.5	201.2	219.6	245.7	291.8	317.9	316.4	291.8	267.2	247.3	227.3
75°	127.5	149.0	164.3	181.2	218.1	242.6	248.8	238.0	213.5	198.1	182.8
77.5°	96.8	109.0	116.7	129.0	155.1	176.6	185.8	182.8	165.9	153.6	142.8
80°	73.7	76.8	79.9	84.5	106.0	125.9	132.1	130.5	121.3	116.7	104.4
82.5°	52.2	53.8	55.3	56.8	64.5	81.4	87.5	90.6	82.9	78.3	67.6
85°	30.7	32.3	32.3	35.3	36.9	41.5	52.2	52.2	50.7	44.5	43.0
87.5°	15.4	15.4	13.8	13.8	15.4	16.9	20.0	23.0	20.0	18.4	16.9
90°	7.2	5.5	4.6	4.1	3.2	2.3	1.3	0.4	1.3	2.3	3.2
92.5°	10.8	10.7	10.7	10.4	9.7	9.1	8.4	7.8	8.4	9.1	9.7
95°	22.3	22.1	22.0	21.6	20.8	20.1	19.3	18.5	19.3	20.1	20.8
97.5°	34.6	34.3	34.1	33.7	33.0	32.3	31.6	30.9	31.6	32.3	33.0
100°	48.4	48.1	48.0	47.7	47.0	46.4	45.7	45.1	45.7	46.4	47.0
102.5°	62.7	62.4	62.2	62.0	61.5	61.0	60.6	60.1	60.6	61.0	61.5
105°	77.7	77.6	77.5	77.4	77.1	76.9	76.6	76.4	76.6	76.9	77.1
107.5°	94.2	94.2	94.2	94.0	93.7	93.4	93.1	92.8	93.1	93.4	93.7
110°	110.6	110.6	110.6	110.4	109.9	109.4	108.9	108.4	108.9	109.4	109.9

TEST NUMBER: P999324

CATALOG NUMBER: SA2XXRDIP-B1005D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	127.5	127.6	127.6	127.4	126.9	126.4	126.0	125.5	126.0	126.4	126.9
115°	144.1	144.2	144.3	144.1	143.6	143.1	142.7	142.2	142.7	143.1	143.6
117.5°	161.2	161.6	161.8	161.5	160.8	160.2	159.5	158.9	159.5	160.2	160.8
120°	177.5	178.2	178.5	178.2	177.5	176.9	176.2	175.6	176.2	176.9	177.5
122.5°	193.9	194.3	194.5	194.1	193.3	192.5	191.7	190.9	191.7	192.5	193.3
125°	209.7	210.0	210.1	209.7	209.0	208.3	207.6	206.9	207.6	208.3	209.0
127.5°	226.0	226.3	226.5	226.1	225.2	224.3	223.4	222.5	223.4	224.3	225.2
130°	241.5	241.6	241.7	241.2	240.2	239.1	238.1	237.1	238.1	239.1	240.2
132.5°	257.1	257.0	257.0	256.6	255.8	255.1	254.3	253.5	254.3	255.1	255.8
135°	271.8	271.7	271.6	271.2	270.3	269.4	268.6	267.7	268.6	269.4	270.3
137.5°	286.7	286.6	286.5	286.1	285.4	284.7	284.0	283.3	284.0	284.7	285.4
140°	301.0	300.6	300.4	300.0	299.3	298.6	297.9	297.2	297.9	298.6	299.3
142.5°	315.0	314.7	314.6	314.2	313.5	312.8	312.1	311.4	312.1	312.8	313.5
145°	328.1	327.6	327.4	327.1	326.6	326.0	325.5	324.9	325.5	326.0	326.6
147.5°	340.7	340.4	340.2	339.8	339.1	338.4	337.7	337.0	337.7	338.4	339.1
150°	352.1	351.8	351.6	351.4	350.9	350.4	350.0	349.5	350.0	350.4	350.9
152.5°	363.2	362.8	362.6	362.4	361.9	361.4	361.0	360.5	361.0	361.4	361.9
155°	372.9	372.7	372.6	372.5	372.2	372.0	371.7	371.5	371.7	372.0	372.2
157.5°	382.0	381.9	381.8	381.7	381.6	381.4	381.3	381.1	381.3	381.4	381.6
160°	390.4	390.3	390.3	390.2	390.1	389.9	389.8	389.6	389.8	389.9	390.1
162.5°	397.6	397.5	397.5	397.5	397.5	397.5	397.5	397.5	397.5	397.5	397.5
165°	403.9	403.9	403.9	403.9	404.0	404.1	404.1	404.2	404.1	404.1	404.0
167.5°	409.2	409.2	409.2	409.3	409.6	409.8	410.1	410.3	410.1	409.8	409.6
170°	413.7	413.8	413.8	413.9	414.2	414.4	414.7	414.9	414.7	414.4	414.2
172.5°	416.9	417.0	417.0	417.1	417.4	417.6	417.9	418.1	417.9	417.6	417.4
175°	419.3	419.4	419.5	419.6	419.9	420.1	420.4	420.6	420.4	420.1	419.9
177.5°	420.7	420.8	420.9	421.0	421.3	421.5	421.8	422.0	421.8	421.5	421.3
180°	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3

TEST NUMBER: P999324

CATALOG NUMBER: SA2XXRDIP-B1005D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9
2.5°	2185.3	2186.9	2191.5	2177.7	2156.2	2146.9	2119.3	2114.7	2110.1	2110.1	2114.7
5°	2136.2	2130.1	2131.6	2105.5	2074.8	2056.3	2017.9	2024.1	2004.1	1991.8	1994.9
7.5°	2082.4	2065.6	2064.0	2030.2	1991.8	1958.1	1918.1	1908.9	1890.5	1869.0	1859.8
10°	2014.9	2002.6	1979.6	1941.2	1892.0	1864.4	1810.6	1778.4	1773.8	1741.5	1729.2
12.5°	1945.8	1924.3	1901.2	1847.5	1792.2	1747.7	1707.7	1672.4	1647.8	1620.2	1601.8
15°	1865.9	1839.8	1813.7	1756.9	1692.4	1647.8	1587.9	1535.7	1463.5	1406.7	1374.5
17.5°	1778.4	1749.2	1713.9	1650.9	1587.9	1526.5	1415.9	1354.5	1303.8	1270.0	1250.1
20°	1687.8	1655.5	1620.2	1557.2	1448.2	1340.7	1279.3	1231.7	1200.9	1167.2	1142.6
22.5°	1592.5	1558.8	1520.4	1422.1	1306.9	1231.7	1184.0	1139.5	1095.0	1076.5	1064.3
25°	1503.5	1472.8	1423.6	1290.0	1199.4	1130.3	1076.5	1047.4	1024.3	999.8	976.7
27.5°	1411.3	1354.5	1285.4	1173.3	1116.5	1045.8	1007.4	985.9	946.0	929.1	918.4
30°	1300.8	1237.8	1171.8	1091.9	1025.9	976.7	941.4	906.1	883.0	866.1	847.7
32.5°	1188.7	1128.8	1087.3	1004.4	955.2	904.5	870.8	849.3	815.5	804.7	797.0
35°	1091.9	1041.2	1004.4	936.8	890.7	844.6	820.1	787.8	766.3	746.4	734.1
37.5°	996.7	969.0	930.7	873.8	824.7	787.8	754.0	743.3	714.1	703.4	691.1
40°	930.7	889.2	856.9	807.8	766.3	726.4	704.9	680.3	660.4	643.5	638.9
42.5°	850.8	820.1	801.6	747.9	704.9	681.9	655.8	628.1	612.8	598.9	582.0
45°	790.9	763.3	737.1	694.1	655.8	626.6	603.5	585.1	559.0	552.9	526.8
47.5°	727.9	700.3	680.3	637.3	602.0	574.4	557.5	532.9	511.4	497.6	485.3
50°	665.0	641.9	623.5	586.6	555.9	526.8	503.7	479.1	469.9	446.9	439.2
52.5°	605.1	589.7	569.8	534.4	503.7	479.1	454.6	434.6	420.8	408.5	399.3
55°	554.4	529.8	520.6	482.2	456.1	430.0	408.5	396.2	379.3	371.6	364.0
57.5°	497.6	483.8	468.4	439.2	410.0	385.5	370.1	351.7	342.5	333.3	327.1
60°	448.4	428.5	416.2	391.6	365.5	342.5	328.6	314.8	302.5	294.9	282.6
62.5°	391.6	376.3	368.6	342.5	321.0	299.5	287.2	273.4	264.1	250.3	235.0
65°	342.5	330.2	321.0	299.5	279.5	259.5	247.3	230.4	218.1	210.4	208.9
67.5°	299.5	290.3	276.4	256.5	236.5	221.1	207.3	193.5	192.0	188.9	188.9
70°	251.9	242.6	235.0	213.5	196.6	179.7	176.6	172.0	167.4	165.9	162.8
72.5°	210.4	202.7	193.5	175.1	158.2	153.6	150.5	147.4	142.8	141.3	139.8
75°	170.5	159.7	153.6	136.7	132.1	129.0	125.9	121.3	118.3	116.7	113.6
77.5°	130.5	119.8	119.8	110.6	107.5	102.9	99.8	96.8	95.2	92.1	92.1
80°	92.1	92.1	89.1	84.5	79.9	78.3	73.7	72.2	70.6	72.2	69.1
82.5°	67.6	61.4	61.4	58.4	55.3	53.8	50.7	50.7	49.1	49.1	49.1
85°	38.4	38.4	36.9	33.8	32.3	32.3	30.7	30.7	29.2	29.2	27.6
87.5°	15.4	13.8	15.4	13.8	13.8	12.3	12.3	12.3	10.8	12.3	10.8
90°	4.1	4.6	5.5	7.2	8.9	10.7	12.4	12.2	12.1	11.9	11.8
92.5°	10.4	10.7	10.7	10.8	10.9	10.9	11.0	11.1	11.2	11.3	11.4
95°	21.6	22.0	22.1	22.3	22.4	22.6	22.8	22.8	22.8	22.8	22.8
97.5°	33.7	34.1	34.3	34.6	34.9	35.3	35.6	35.6	35.6	35.6	35.6
100°	47.7	48.0	48.1	48.4	48.6	48.9	49.1	49.1	49.1	49.1	49.1
102.5°	62.0	62.2	62.4	62.7	63.0	63.3	63.6	63.7	63.8	63.9	64.0
105°	77.4	77.5	77.6	77.7	77.9	78.0	78.2	78.4	78.5	78.7	78.8
107.5°	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.4	94.5	94.6
110°	110.4	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6

TEST NUMBER: P999324

CATALOG NUMBER: SA2XXRDIP-B1005D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	127.4	127.6	127.6	127.5	127.4	127.4	127.3	127.1	126.8	126.6	126.3
115°	144.1	144.3	144.2	144.1	143.9	143.8	143.6	143.5	143.5	143.4	143.3
117.5°	161.5	161.8	161.6	161.2	160.8	160.4	160.0	159.8	159.5	159.3	159.0
120°	178.2	178.5	178.2	177.5	176.9	176.2	175.6	175.6	175.6	175.6	175.6
122.5°	194.1	194.5	194.3	193.9	193.5	193.1	192.7	192.5	192.2	192.0	191.7
125°	209.7	210.1	210.0	209.7	209.5	209.2	209.0	208.8	208.6	208.3	208.1
127.5°	226.1	226.5	226.3	226.0	225.7	225.3	225.0	224.7	224.4	224.1	223.8
130°	241.2	241.7	241.6	241.5	241.3	241.2	241.0	240.8	240.7	240.5	240.4
132.5°	256.6	257.0	257.0	257.1	257.2	257.3	257.4	257.0	256.6	256.2	255.8
135°	271.2	271.6	271.7	271.8	272.0	272.1	272.3	272.2	272.2	272.1	272.0
137.5°	286.1	286.5	286.6	286.7	286.9	287.0	287.2	287.1	287.1	287.0	286.9
140°	300.0	300.4	300.6	301.0	301.4	301.8	302.2	302.2	302.2	302.2	302.2
142.5°	314.2	314.6	314.7	315.0	315.2	315.5	315.7	315.8	315.8	315.9	316.0
145°	327.1	327.4	327.6	328.1	328.6	329.1	329.6	329.7	329.7	329.8	329.9
147.5°	339.8	340.2	340.4	340.7	341.0	341.3	341.6	341.8	342.0	342.1	342.3
150°	351.4	351.6	351.8	352.1	352.4	352.7	353.0	353.2	353.5	353.7	354.0
152.5°	362.4	362.6	362.8	363.2	363.6	364.0	364.4	364.7	365.0	365.3	365.6
155°	372.5	372.6	372.7	372.9	373.2	373.4	373.6	374.0	374.4	374.8	375.2
157.5°	381.7	381.8	381.9	382.0	382.2	382.3	382.5	383.1	383.6	384.2	384.7
160°	390.2	390.3	390.3	390.4	390.5	390.6	390.7	391.2	391.6	392.1	392.6
162.5°	397.5	397.5	397.5	397.6	397.7	397.7	397.8	398.4	398.9	399.5	400.0
165°	403.9	403.9	403.9	403.9	403.9	403.9	403.9	404.4	405.0	405.5	406.0
167.5°	409.3	409.2	409.2	409.2	409.2	409.2	409.2	409.8	410.3	410.9	411.4
170°	413.9	413.8	413.8	413.7	413.6	413.6	413.5	414.0	414.6	415.1	415.6
172.5°	417.1	417.0	417.0	416.9	416.8	416.8	416.7	417.2	417.8	418.3	418.8
175°	419.6	419.5	419.4	419.3	419.1	419.0	418.8	419.4	419.9	420.5	421.0
177.5°	421.0	420.9	420.8	420.7	420.5	420.4	420.2	420.7	421.1	421.6	422.1
180°	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3

TEST NUMBER: P999324

CATALOG NUMBER: SA2XXRDIP-B1005D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9
2.5°	2114.7	2111.6	2102.4	2105.5	2100.9	2100.9	2097.8	2097.8	2097.8	2105.5	2100.9
5°	1999.5	1988.8	1978.0	1973.4	1968.8	1964.2	1964.2	1962.7	1976.5	1973.4	1985.7
7.5°	1856.7	1853.6	1832.1	1832.1	1824.4	1821.4	1829.1	1830.6	1832.1	1835.2	1842.9
10°	1729.2	1721.5	1690.8	1693.9	1689.3	1683.2	1687.8	1684.7	1695.4	1698.5	1695.4
12.5°	1578.7	1564.9	1531.1	1514.2	1495.8	1482.0	1498.9	1486.6	1529.6	1541.9	1575.7
15°	1379.1	1353.0	1329.9	1329.9	1313.0	1300.8	1308.4	1322.3	1331.5	1345.3	1351.4
17.5°	1245.5	1234.7	1216.3	1205.5	1200.9	1196.3	1196.3	1202.5	1222.4	1220.9	1233.2
20°	1131.8	1125.7	1116.5	1102.7	1098.0	1095.0	1095.0	1095.0	1108.8	1121.1	1128.8
22.5°	1053.5	1048.9	1042.8	1024.3	1015.1	1012.0	1019.7	1024.3	1035.1	1044.3	1052.0
25°	975.2	964.4	953.7	947.5	942.9	942.9	946.0	947.5	952.2	956.8	966.0
27.5°	910.7	903.0	887.7	870.8	870.8	866.1	869.2	872.3	883.0	898.4	906.1
30°	838.5	837.0	830.8	824.7	818.5	815.5	821.6	826.2	827.8	835.4	835.4
32.5°	786.3	775.5	764.8	758.6	755.6	754.0	755.6	761.7	761.7	770.9	781.7
35°	734.1	727.9	717.2	706.4	703.4	695.7	701.8	708.0	718.7	723.3	727.9
37.5°	677.3	669.6	665.0	661.9	655.8	657.3	652.7	661.9	671.1	669.6	672.6
40°	634.3	620.4	606.6	605.1	603.5	602.0	602.0	603.5	609.7	615.8	625.0
42.5°	579.0	574.4	562.1	549.8	546.7	543.6	540.6	546.7	559.0	569.8	574.4
45°	522.1	516.0	512.9	503.7	497.6	496.0	493.0	500.6	511.4	516.0	519.1
47.5°	469.9	468.4	459.2	460.7	456.1	457.6	456.1	460.7	460.7	465.3	468.4
50°	434.6	430.0	425.4	422.3	417.7	417.7	416.2	417.7	423.9	430.0	428.5
52.5°	399.3	391.6	390.1	388.5	385.5	388.5	383.9	385.5	391.6	394.7	393.1
55°	357.8	356.3	353.2	350.1	348.6	347.1	347.1	347.1	353.2	357.8	359.4
57.5°	325.6	317.9	311.8	311.8	305.6	304.1	307.1	308.7	313.3	316.4	319.4
60°	281.0	278.0	268.8	264.1	254.9	253.4	253.4	259.5	267.2	278.0	281.0
62.5°	233.4	228.8	227.3	227.3	227.3	227.3	227.3	227.3	227.3	228.8	228.8
65°	207.3	208.9	207.3	205.8	207.3	207.3	205.8	205.8	205.8	207.3	208.9
67.5°	185.8	184.3	185.8	184.3	182.8	182.8	181.2	182.8	184.3	185.8	185.8
70°	161.3	161.3	159.7	161.3	159.7	158.2	156.6	156.6	159.7	161.3	161.3
72.5°	138.2	138.2	136.7	136.7	133.6	133.6	135.1	133.6	133.6	138.2	138.2
75°	115.2	113.6	112.1	112.1	110.6	110.6	110.6	109.0	112.1	112.1	113.6
77.5°	90.6	90.6	90.6	89.1	89.1	87.5	87.5	89.1	89.1	89.1	90.6
80°	69.1	69.1	69.1	67.6	66.0	66.0	66.0	66.0	66.0	67.6	66.0
82.5°	47.6	47.6	47.6	47.6	47.6	46.1	46.1	46.1	47.6	47.6	46.1
85°	29.2	27.6	29.2	29.2	27.6	29.2	27.6	27.6	26.1	26.1	27.6
87.5°	12.3	10.8	9.2	9.2	10.8	9.2	9.2	9.2	10.8	9.2	9.2
90°	11.7	11.7	11.8	11.9	12.0	12.1	12.0	11.9	11.8	11.7	11.7
92.5°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
95°	22.8	22.7	22.5	22.4	22.2	22.0	22.2	22.4	22.5	22.7	22.8
97.5°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
100°	49.1	49.1	49.0	48.9	48.8	48.7	48.8	48.9	49.0	49.1	49.1
102.5°	64.0	64.0	63.9	63.8	63.7	63.6	63.7	63.8	63.9	64.0	64.0
105°	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
107.5°	94.6	94.4	94.0	93.6	93.2	92.8	93.2	93.6	94.0	94.4	94.6
110°	110.6	110.5	110.2	110.0	109.7	109.5	109.7	110.0	110.2	110.5	110.6

TEST NUMBER: P999324

CATALOG NUMBER: SA2XXRDIP-B1005D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	126.2	126.1	126.0	125.8	125.7	125.5	125.7	125.8	126.0	126.1	126.2
115°	143.3	143.2	142.9	142.7	142.4	142.2	142.4	142.7	142.9	143.2	143.3
117.5°	158.9	158.8	158.5	158.3	158.0	157.8	158.0	158.3	158.5	158.8	158.9
120°	175.6	175.5	175.3	175.0	174.8	174.6	174.8	175.0	175.3	175.5	175.6
122.5°	191.6	191.5	191.4	191.2	191.1	190.9	191.1	191.2	191.4	191.5	191.6
125°	208.0	208.0	207.9	207.8	207.7	207.6	207.7	207.8	207.9	208.0	208.0
127.5°	223.6	223.5	223.2	223.0	222.7	222.5	222.7	223.0	223.2	223.5	223.6
130°	240.3	240.1	239.8	239.5	239.2	238.9	239.2	239.5	239.8	240.1	240.3
132.5°	255.6	255.5	255.2	255.0	254.7	254.5	254.7	255.0	255.2	255.5	255.6
135°	272.0	271.9	271.6	271.4	271.1	270.9	271.1	271.4	271.6	271.9	272.0
137.5°	286.9	286.7	286.4	286.1	285.8	285.5	285.8	286.1	286.4	286.7	286.9
140°	302.2	302.0	301.7	301.4	301.1	300.8	301.1	301.4	301.7	302.0	302.2
142.5°	316.0	315.8	315.5	315.2	314.9	314.6	314.9	315.2	315.5	315.8	316.0
145°	329.9	329.7	329.4	329.1	328.8	328.5	328.8	329.1	329.4	329.7	329.9
147.5°	342.4	342.2	341.9	341.6	341.2	340.9	341.2	341.6	341.9	342.2	342.4
150°	354.1	354.0	353.7	353.5	353.2	353.0	353.2	353.5	353.7	354.0	354.1
152.5°	365.8	365.6	365.3	365.0	364.7	364.4	364.7	365.0	365.3	365.6	365.8
155°	375.4	375.3	375.0	374.8	374.5	374.3	374.5	374.8	375.0	375.3	375.4
157.5°	385.0	384.8	384.4	384.0	383.6	383.2	383.6	384.0	384.4	384.8	385.0
160°	392.8	392.6	392.3	392.0	391.7	391.4	391.7	392.0	392.3	392.6	392.8
162.5°	400.3	400.1	399.7	399.3	398.9	398.5	398.9	399.3	399.7	400.1	400.3
165°	406.3	406.1	405.7	405.4	405.0	404.6	405.0	405.4	405.7	406.1	406.3
167.5°	411.7	411.5	411.1	410.7	410.3	409.9	410.3	410.7	411.1	411.5	411.7
170°	415.9	415.7	415.2	414.7	414.3	413.8	414.3	414.7	415.2	415.7	415.9
172.5°	419.1	418.9	418.4	417.9	417.5	417.0	417.5	417.9	418.4	418.9	419.1
175°	421.3	421.1	420.6	420.1	419.6	419.1	419.6	420.1	420.6	421.1	421.3
177.5°	422.3	422.1	421.6	421.1	420.7	420.2	420.7	421.1	421.6	422.1	422.3
180°	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3

TEST NUMBER: P999324

CATALOG NUMBER: SA2XXRDIP-B1005D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9	2209.9
2.5°	2105.5	2113.2	2110.1	2093.2	2110.1	2114.7	2123.9	2133.1	2139.3	2148.5	2156.2
5°	1973.4	1988.8	1998.0	1988.8	2019.5	2024.1	2045.6	2057.9	2076.3	2091.7	2103.9
7.5°	1849.0	1861.3	1879.7	1882.8	1901.2	1922.7	1953.4	1984.2	2013.3	2028.7	2042.5
10°	1715.4	1736.9	1764.5	1758.4	1786.1	1819.8	1852.1	1901.2	1925.8	1953.4	1978.0
12.5°	1581.8	1595.6	1632.5	1644.8	1684.7	1710.8	1755.3	1786.1	1847.5	1879.7	1901.2
15°	1348.4	1405.2	1451.3	1506.5	1558.8	1607.9	1647.8	1703.1	1756.9	1781.4	1816.8
17.5°	1242.4	1268.5	1296.2	1323.8	1391.4	1478.9	1549.5	1609.4	1655.5	1687.8	1729.2
20°	1131.8	1157.9	1188.7	1214.8	1256.2	1319.2	1406.7	1509.6	1564.9	1598.7	1638.6
22.5°	1053.5	1078.1	1098.0	1121.1	1153.3	1199.4	1265.4	1392.9	1466.6	1508.1	1543.4
25°	969.0	999.8	1021.3	1038.2	1064.3	1114.9	1168.7	1240.9	1372.9	1405.2	1454.3
27.5°	910.7	919.9	944.5	970.6	996.7	1024.3	1079.6	1141.0	1230.1	1300.8	1360.7
30°	841.6	864.6	887.7	898.4	921.4	961.4	995.2	1061.2	1130.3	1185.6	1257.8
32.5°	789.4	803.2	818.5	844.6	866.1	893.8	927.6	982.9	1041.2	1076.5	1131.8
35°	731.0	740.2	772.5	783.2	804.7	832.4	866.1	909.2	972.1	999.8	1039.7
37.5°	675.7	697.2	706.4	731.0	751.0	778.6	803.2	852.3	893.8	926.0	962.9
40°	632.7	641.9	658.8	680.3	697.2	718.7	749.4	784.8	829.3	855.4	887.7
42.5°	580.5	588.2	609.7	622.0	649.6	669.6	688.0	731.0	770.9	790.9	823.1
45°	523.7	542.1	555.9	580.5	595.9	620.4	643.5	674.2	711.0	734.1	752.5
47.5°	474.5	493.0	506.8	529.8	554.4	565.1	589.7	622.0	655.8	674.2	700.3
50°	434.6	440.8	466.9	477.6	503.7	525.2	542.1	569.8	606.6	617.4	638.9
52.5°	396.2	400.8	417.7	431.5	454.6	473.0	494.5	520.6	551.3	568.2	585.1
55°	362.4	365.5	373.2	388.5	403.9	426.9	446.9	471.5	497.6	516.0	531.4
57.5°	324.0	330.2	336.3	345.5	360.9	382.4	403.9	426.9	448.4	460.7	480.7
60°	279.5	288.7	299.5	310.2	321.0	336.3	360.9	382.4	402.4	413.1	428.5
62.5°	231.9	250.3	259.5	271.8	281.0	294.9	313.3	337.9	351.7	365.5	377.8
65°	208.9	210.4	211.9	224.2	241.1	254.9	271.8	290.3	311.8	321.0	330.2
67.5°	185.8	187.4	190.4	192.0	198.1	213.5	231.9	251.9	268.8	274.9	284.1
70°	162.8	162.8	168.9	170.5	172.0	173.5	188.9	208.9	224.2	231.9	242.6
72.5°	138.2	139.8	142.8	144.4	147.4	150.5	155.1	165.9	184.3	192.0	204.3
75°	113.6	115.2	116.7	118.3	122.9	124.4	129.0	135.1	142.8	152.0	159.7
77.5°	90.6	90.6	92.1	95.2	98.3	99.8	104.4	107.5	110.6	115.2	121.3
80°	67.6	69.1	69.1	72.2	72.2	73.7	75.3	79.9	82.9	86.0	89.1
82.5°	46.1	49.1	49.1	49.1	50.7	52.2	53.8	53.8	56.8	58.4	63.0
85°	27.6	29.2	29.2	29.2	27.6	30.7	30.7	32.3	32.3	32.3	33.8
87.5°	10.8	9.2	10.8	10.8	10.8	12.3	10.8	10.8	12.3	13.8	13.8
90°	11.8	11.9	12.1	12.2	12.4	10.7	8.9	7.2	5.5	4.6	4.1
92.5°	11.4	11.3	11.2	11.1	11.0	10.9	10.9	10.8	10.7	10.7	10.4
95°	22.8	22.8	22.8	22.8	22.8	22.6	22.4	22.3	22.1	22.0	21.6
97.5°	35.6	35.6	35.6	35.6	35.6	35.3	34.9	34.6	34.3	34.1	33.7
100°	49.1	49.1	49.1	49.1	49.1	48.9	48.6	48.4	48.1	48.0	47.7
102.5°	64.0	63.9	63.8	63.7	63.6	63.3	63.0	62.7	62.4	62.2	62.0
105°	78.8	78.7	78.5	78.4	78.2	78.0	77.9	77.7	77.6	77.5	77.4
107.5°	94.6	94.5	94.4	94.3	94.2	94.2	94.2	94.2	94.2	94.2	94.0
110°	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.4

TEST NUMBER: P999324

CATALOG NUMBER: SA2XXRDIP-B1005D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	126.3	126.6	126.8	127.1	127.3	127.4	127.4	127.5	127.6	127.6	127.4
115°	143.3	143.4	143.5	143.5	143.6	143.8	143.9	144.1	144.2	144.3	144.1
117.5°	159.0	159.3	159.5	159.8	160.0	160.4	160.8	161.2	161.6	161.8	161.5
120°	175.6	175.6	175.6	175.6	175.6	176.2	176.9	177.5	178.2	178.5	178.2
122.5°	191.7	192.0	192.2	192.5	192.7	193.1	193.5	193.9	194.3	194.5	194.1
125°	208.1	208.3	208.6	208.8	209.0	209.2	209.5	209.7	210.0	210.1	209.7
127.5°	223.8	224.1	224.4	224.7	225.0	225.3	225.7	226.0	226.3	226.5	226.1
130°	240.4	240.5	240.7	240.8	241.0	241.2	241.3	241.5	241.6	241.7	241.2
132.5°	255.8	256.2	256.6	257.0	257.4	257.3	257.2	257.1	257.0	257.0	256.6
135°	272.0	272.1	272.2	272.2	272.3	272.1	272.0	271.8	271.7	271.6	271.2
137.5°	286.9	287.0	287.1	287.1	287.2	287.0	286.9	286.7	286.6	286.5	286.1
140°	302.2	302.2	302.2	302.2	302.2	301.8	301.4	301.0	300.6	300.4	300.0
142.5°	316.0	315.9	315.8	315.8	315.7	315.5	315.2	315.0	314.7	314.6	314.2
145°	329.9	329.8	329.7	329.7	329.6	329.1	328.6	328.1	327.6	327.4	327.1
147.5°	342.3	342.1	342.0	341.8	341.6	341.3	341.0	340.7	340.4	340.2	339.8
150°	354.0	353.7	353.5	353.2	353.0	352.7	352.4	352.1	351.8	351.6	351.4
152.5°	365.6	365.3	365.0	364.7	364.4	364.0	363.6	363.2	362.8	362.6	362.4
155°	375.2	374.8	374.4	374.0	373.6	373.4	373.2	372.9	372.7	372.6	372.5
157.5°	384.7	384.2	383.6	383.1	382.5	382.3	382.2	382.0	381.9	381.8	381.7
160°	392.6	392.1	391.6	391.2	390.7	390.6	390.5	390.4	390.3	390.3	390.2
162.5°	400.0	399.5	398.9	398.4	397.8	397.7	397.7	397.6	397.5	397.5	397.5
165°	406.0	405.5	405.0	404.4	403.9	403.9	403.9	403.9	403.9	403.9	403.9
167.5°	411.4	410.9	410.3	409.8	409.2	409.2	409.2	409.2	409.2	409.2	409.3
170°	415.6	415.1	414.6	414.0	413.5	413.6	413.6	413.7	413.8	413.8	413.9
172.5°	418.8	418.3	417.8	417.2	416.7	416.8	416.8	416.9	417.0	417.0	417.1
175°	421.0	420.5	419.9	419.4	418.8	419.0	419.1	419.3	419.4	419.5	419.6
177.5°	422.1	421.6	421.1	420.7	420.2	420.4	420.5	420.7	420.8	420.9	421.0
180°	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3	421.3

TEST NUMBER: P999324

CATALOG NUMBER: SA2XXRDIP-B1005D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2209.9	2209.9	2209.9	2209.9
2.5°	2170.0	2165.4	2193.0	2223.7
5°	2125.4	2133.1	2168.4	2211.4
7.5°	2079.4	2096.3	2137.7	2194.6
10°	2014.9	2045.6	2108.6	2166.9
12.5°	1951.9	1993.4	2053.3	2122.4
15°	1881.3	1927.3	2001.1	2084.0
17.5°	1802.9	1855.2	1941.2	2031.8
20°	1720.0	1789.1	1879.7	1978.0
22.5°	1627.9	1710.8	1804.5	1913.5
25°	1538.8	1629.4	1723.1	1849.0
27.5°	1451.3	1540.3	1644.8	1772.2
30°	1363.7	1445.1	1557.2	1693.9
32.5°	1270.0	1354.5	1472.8	1612.5
35°	1184.0	1268.5	1379.1	1517.3
37.5°	1091.9	1182.5	1288.5	1431.3
40°	984.4	1090.4	1193.3	1329.9
42.5°	895.3	1007.4	1107.3	1236.3
45°	824.7	930.7	1013.6	1139.5
47.5°	758.6	844.6	929.1	1045.8
50°	695.7	761.7	849.3	953.7
52.5°	631.2	688.0	763.3	861.5
55°	572.8	626.6	694.1	769.4
57.5°	519.1	557.5	625.0	692.6
60°	459.2	499.1	551.3	608.1
62.5°	408.5	439.2	488.4	536.0
65°	354.8	383.9	420.8	465.3
67.5°	305.6	331.7	360.9	396.2
70°	261.1	281.0	302.5	333.3
72.5°	213.5	235.0	254.9	279.5
75°	175.1	184.3	201.2	218.1
77.5°	135.1	147.4	156.6	170.5
80°	96.8	107.5	110.6	121.3
82.5°	64.5	70.6	76.8	79.9
85°	36.9	39.9	46.1	47.6
87.5°	13.8	15.4	18.4	21.5
90°	3.2	2.3	1.3	0.4
92.5°	9.7	9.1	8.4	7.8
95°	20.8	20.1	19.3	18.5
97.5°	33.0	32.3	31.6	30.9
100°	47.0	46.4	45.7	45.1
102.5°	61.5	61.0	60.6	60.1
105°	77.1	76.9	76.6	76.4
107.5°	93.7	93.4	93.1	92.8
110°	109.9	109.4	108.9	108.4



TEST NUMBER: P999324

CATALOG NUMBER: SA2XXRDIP-B1005D330UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	126.9	126.4	126.0	125.5
115°	143.6	143.1	142.7	142.2
117.5°	160.8	160.2	159.5	158.9
120°	177.5	176.9	176.2	175.6
122.5°	193.3	192.5	191.7	190.9
125°	209.0	208.3	207.6	206.9
127.5°	225.2	224.3	223.4	222.5
130°	240.2	239.1	238.1	237.1
132.5°	255.8	255.1	254.3	253.5
135°	270.3	269.4	268.6	267.7
137.5°	285.4	284.7	284.0	283.3
140°	299.3	298.6	297.9	297.2
142.5°	313.5	312.8	312.1	311.4
145°	326.6	326.0	325.5	324.9
147.5°	339.1	338.4	337.7	337.0
150°	350.9	350.4	350.0	349.5
152.5°	361.9	361.4	361.0	360.5
155°	372.2	372.0	371.7	371.5
157.5°	381.6	381.4	381.3	381.1
160°	390.1	389.9	389.8	389.6
162.5°	397.5	397.5	397.5	397.5
165°	404.0	404.1	404.1	404.2
167.5°	409.6	409.8	410.1	410.3
170°	414.2	414.4	414.7	414.9
172.5°	417.4	417.6	417.9	418.1
175°	419.9	420.1	420.4	420.6
177.5°	421.3	421.5	421.8	422.0
180°	421.3	421.3	421.3	421.3

(END OF REPORT)