

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: P1008615

Luminaire Tested: S122DIP-B1005D330UB40-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1008615
REPORT IS A COMBINATION OF REPORTS P983622 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIP-B1005D330UB40-4F0-XX-W2A-A4
Description: Define 2 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

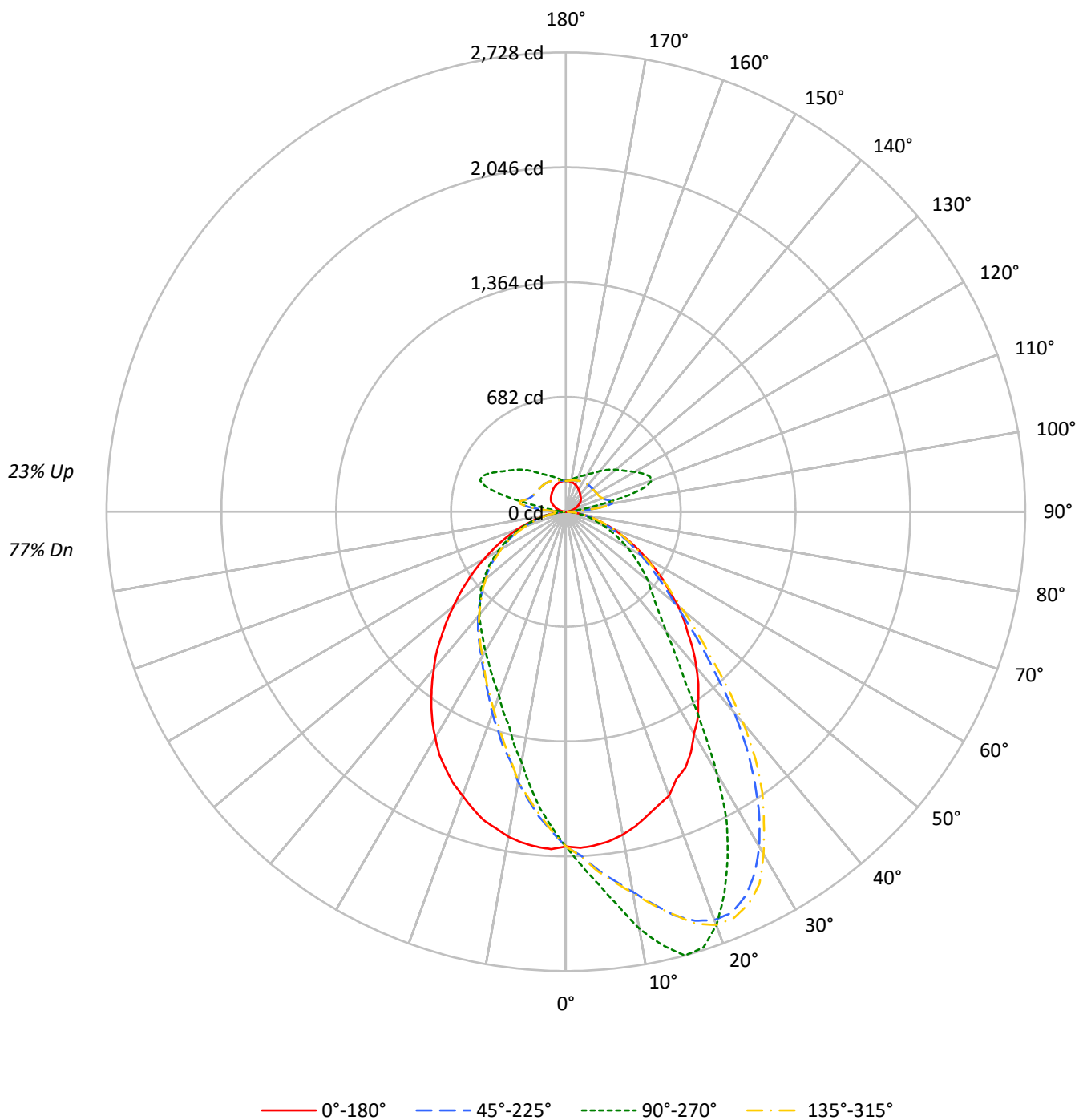
Lumens per Lamp: N/A
Luminaire Lumens: 5665.0 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	114	114	114	114	108	108	108	108	99	99	99	90	90	90	81	81	81				77
1	105	100	97	93	100	96	93	90	88	85	83	80	78	76	73	72	70				67
2	96	89	83	78	91	85	79	75	78	73	70	71	68	65	65	63	60				57
3	88	79	71	66	84	75	69	64	69	64	60	64	59	56	58	55	52				49
4	81	70	62	56	77	67	60	55	62	56	52	57	53	49	53	49	46				43
5	75	63	55	49	71	61	53	48	56	50	45	52	47	43	48	44	40				38
6	69	57	49	43	66	55	48	42	51	45	40	47	42	38	44	39	36				34
7	64	52	44	38	61	50	43	37	47	40	36	43	38	34	40	36	32				30
8	60	48	40	34	57	46	39	34	43	37	32	40	35	31	37	33	29				27
9	56	44	36	31	54	42	35	30	40	33	29	37	32	28	35	30	27				25
10	53	40	33	28	50	39	32	28	37	31	27	34	29	25	32	28	24				23

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	31453	31453	31453	31453
5°	31529	33537	31650	26682
10°	31163	36611	31358	21997
15°	30407	38616	30830	18529
20°	29933	36257	29933	16106
25°	28978	31149	29111	14402
30°	27409	24486	27932	13045
35°	26018	16932	26453	11936
40°	24420	12783	24698	11051
45°	22449	10505	22816	10096
50°	20745	9220	20781	9242
55°	18802	7857	18924	8315
60°	16732	6563	16963	7257
65°	14877	5338	15148	6198
70°	13031	4187	13360	4999
75°	10936	3039	11361	3625
80°	8535	1926	9141	2151
85°	5608	969	6046	717

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 32514 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.3	3.3
10°-20°	550.9	9.7
20°-30°	799.5	14.1
30°-40°	842.8	14.9
40°-50°	745.8	13.2
50°-60°	595.5	10.5
60°-70°	404.5	7.1
70°-80°	207.0	3.7
80°-90°	50.1	0.9
90°-100°	71.6	1.3
100°-110°	252.3	4.5
110°-120°	265.0	4.7
120°-130°	218.0	3.8
130°-140°	175.1	3.1
140°-150°	132.3	2.3
150°-160°	93.0	1.6
160°-170°	54.7	1.0
170°-180°	17.8	0.3
0°-30°	1539.6	27.2
0°-40°	2382.4	42.1
0°-60°	3723.7	65.7
0°-90°	4385.2	77.4
90°-120°	588.9	10.4
90°-150°	1114.3	19.7
90°-180°	1280.0	22.6
0°-180°	5665.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1987	1987	1987	1987	1987	
5°	1989	2219	1996	1766	1989	189
15°	1868	2728	1894	1309	1868	528
25°	1678	2273	1686	1051	1678	767
35°	1370	1237	1393	872	1370	857
45°	1028	745	1045	716	1028	797
55°	706	524	710	554	706	630
65°	418	322	426	374	418	416
75°	196	159	203	189	196	210
85°	40	41	43	30	40	46
90°	0	12	0	12	0	3
95°	12	40	12	40	12	13
105°	43	398	43	398	43	46
115°	76	524	76	524	76	75
125°	106	425	106	425	106	94
135°	124	352	124	352	124	96
145°	142	281	142	281	142	89
155°	162	236	162	236	162	74
165°	176	208	176	208	176	50
175°	183	187	183	187	183	17
180°	184	184	184	184	184	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0
2.5°	1997.7	2002.3	2009.9	2011.5	2026.7	2039.0	2052.7	2052.7	2057.3	2055.8	2043.5
5°	1988.6	2002.3	2022.2	2039.0	2066.5	2078.7	2097.0	2110.7	2123.0	2132.1	2130.6
7.5°	1973.3	1997.7	2026.7	2058.8	2095.5	2116.9	2142.8	2167.3	2184.1	2199.3	2210.0
10°	1947.3	1988.6	2028.3	2071.0	2118.4	2147.4	2177.9	2210.0	2236.0	2265.0	2292.5
12.5°	1912.2	1971.8	2020.6	2077.1	2135.2	2167.3	2216.1	2240.6	2291.0	2364.3	2384.1
15°	1867.9	1948.9	1994.7	2066.5	2142.8	2168.8	2236.0	2275.7	2379.6	2425.4	2480.4
17.5°	1826.7	1916.8	1977.9	2060.3	2135.2	2185.6	2251.3	2332.2	2419.3	2484.9	2546.0
20°	1793.1	1880.1	1953.4	2045.1	2139.8	2203.9	2272.6	2370.4	2465.1	2532.3	2579.6
22.5°	1716.7	1828.2	1913.7	2016.1	2130.6	2219.2	2284.9	2391.8	2494.1	2535.3	2576.6
25°	1678.5	1774.7	1874.0	1990.1	2124.5	2229.9	2286.4	2405.5	2495.6	2510.9	2520.1
27.5°	1608.3	1716.7	1832.8	1965.7	2123.0	2211.5	2283.3	2391.8	2463.6	2452.9	2425.4
30°	1521.2	1654.1	1782.4	1925.9	2101.6	2197.8	2265.0	2364.3	2400.9	2346.0	2297.1
32.5°	1457.1	1582.3	1724.3	1890.8	2077.1	2168.8	2234.5	2312.4	2320.0	2220.7	2138.2
35°	1370.0	1509.0	1669.4	1845.0	2035.9	2118.4	2179.5	2226.8	2190.2	2051.2	1953.4
37.5°	1292.1	1429.6	1600.6	1779.3	1979.4	2060.3	2109.2	2116.9	2026.7	1904.6	1761.0
40°	1206.6	1348.6	1527.3	1715.2	1916.8	1987.0	2017.6	1994.7	1864.8	1722.8	1556.3
42.5°	1121.0	1261.6	1454.0	1646.4	1837.4	1896.9	1909.1	1846.5	1687.7	1521.2	1328.8
45°	1027.9	1174.5	1366.9	1560.9	1745.7	1779.3	1780.8	1690.7	1502.9	1328.8	1150.1
47.5°	951.5	1087.4	1278.4	1472.3	1628.1	1651.0	1641.9	1538.0	1333.3	1137.8	982.1
50°	867.5	997.3	1186.7	1377.6	1510.5	1516.6	1493.7	1345.6	1145.5	966.8	843.1
52.5°	777.4	908.8	1082.9	1266.1	1385.3	1376.1	1331.8	1173.0	985.1	837.0	742.3
55°	705.6	821.7	985.1	1163.8	1247.8	1221.8	1173.0	1011.1	862.9	737.7	655.2
57.5°	626.2	728.5	888.9	1044.7	1093.6	1069.1	1020.2	869.0	731.6	636.9	581.9
60°	551.4	644.5	785.0	914.9	953.0	927.1	870.6	734.6	635.4	555.9	514.7
62.5°	482.6	563.6	681.2	800.3	815.6	789.6	740.7	630.8	545.3	482.6	452.1
65°	418.5	494.8	589.5	679.7	693.4	665.9	615.5	536.1	464.3	424.6	395.6
67.5°	355.9	417.0	501.0	566.6	574.3	548.3	507.1	442.9	398.6	355.9	334.5
70°	300.9	346.7	412.4	465.8	468.9	444.4	423.1	365.0	331.4	300.9	284.1
72.5°	247.4	279.5	329.9	369.6	371.1	355.9	336.0	299.4	270.3	249.0	232.2
75°	195.5	223.0	253.5	288.7	287.1	274.9	259.6	236.7	212.3	198.6	190.9
77.5°	149.7	166.5	190.9	213.8	213.8	207.7	198.6	181.8	166.5	152.7	145.1
80°	106.9	117.6	137.5	145.1	148.1	146.6	139.0	126.8	120.7	110.0	106.9
82.5°	68.7	76.4	85.5	93.2	97.7	94.7	93.2	87.1	77.9	74.8	71.8
85°	39.7	42.8	47.3	51.9	53.5	51.9	55.0	50.4	45.8	45.8	44.3
87.5°	16.8	18.3	21.4	21.4	22.9	22.9	21.4	22.9	22.9	21.4	19.9
90°	0.4	1.4	2.8	3.5	4.2	4.8	5.3	7.1	9.5	11.7	12.0
92.5°	5.3	7.4	10.2	12.0	14.8	16.8	18.7	28.3	41.7	53.7	54.4
95°	12.4	13.8	17.3	20.5	26.2	30.4	34.6	50.9	81.6	122.6	138.5
97.5°	18.4	20.5	24.4	29.0	35.3	40.1	44.9	65.7	108.5	174.6	225.8
100°	27.2	28.3	31.5	37.1	44.2	49.2	54.1	72.8	115.9	192.3	279.2
102.5°	35.3	36.0	39.2	44.9	52.3	57.2	62.2	79.2	116.3	185.5	281.0
105°	43.1	44.5	47.0	52.3	60.1	65.0	70.0	86.6	118.0	176.4	261.9
107.5°	51.6	52.7	55.1	60.1	67.9	72.8	77.8	94.0	121.9	171.4	244.2
110°	60.1	61.5	63.6	68.2	75.6	80.8	85.9	101.4	126.9	170.0	232.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	67.9	69.3	71.7	76.0	83.1	88.4	93.7	108.5	132.2	170.3	224.4
115°	76.0	77.8	79.9	84.1	91.2	96.0	100.7	115.9	137.5	171.8	219.1
117.5°	84.5	85.9	88.0	91.9	98.6	103.6	108.5	122.6	143.1	173.9	216.3
120°	92.2	93.7	95.8	99.0	106.0	111.0	115.9	129.7	148.8	176.0	213.8
122.5°	99.7	100.7	102.8	106.4	113.4	118.6	123.7	136.4	153.7	178.5	212.4
125°	106.0	107.1	109.2	113.4	120.5	125.4	130.4	143.1	159.0	180.9	210.6
127.5°	111.3	112.7	115.6	120.2	126.9	132.0	137.1	149.5	164.0	183.4	209.6
130°	115.9	117.3	120.9	125.8	132.9	137.9	142.8	155.1	168.6	186.2	208.9
132.5°	120.2	121.9	125.8	131.1	138.5	143.4	148.4	160.1	173.2	189.1	208.5
135°	124.4	125.8	130.1	135.4	143.5	148.4	153.4	164.7	177.1	191.2	208.2
137.5°	128.3	130.1	134.3	140.0	148.1	152.7	157.3	168.6	180.2	193.3	208.2
140°	132.9	134.3	138.5	144.2	152.0	156.6	161.2	171.8	182.7	194.7	207.8
142.5°	137.5	138.5	142.4	148.1	155.5	159.8	164.0	174.2	184.8	195.8	207.8
145°	142.1	143.5	147.0	152.3	159.4	163.3	167.2	176.7	186.6	196.5	207.1
147.5°	147.0	148.1	151.6	156.6	162.6	166.1	169.6	178.8	187.7	196.9	206.0
150°	152.0	153.0	155.9	160.5	165.8	169.0	172.1	180.2	188.4	196.5	205.0
152.5°	156.9	157.3	160.1	164.0	168.9	171.8	174.6	181.7	188.7	195.8	203.2
155°	161.5	161.9	164.0	167.9	171.8	174.4	177.1	183.1	189.1	195.1	201.1
157.5°	165.4	165.8	167.5	171.1	174.2	176.5	178.8	184.1	189.1	193.7	199.0
160°	169.3	169.6	171.1	173.9	176.7	178.6	180.6	184.8	189.1	192.6	196.9
162.5°	173.2	172.8	174.2	176.4	178.8	180.2	181.7	185.2	188.7	191.6	195.1
165°	176.0	175.6	176.4	178.5	180.2	181.3	182.4	185.5	188.0	190.1	192.6
167.5°	178.5	178.1	178.8	180.2	181.7	182.4	183.1	185.5	187.7	188.7	190.5
170°	180.9	180.2	180.6	181.7	182.4	182.9	183.4	185.2	187.0	187.7	188.7
172.5°	182.4	182.0	181.7	182.7	183.1	183.4	183.8	184.8	185.9	186.2	186.6
175°	183.4	183.1	182.7	183.4	183.4	183.6	183.8	184.5	185.2	184.8	185.2
177.5°	184.1	183.4	183.1	183.8	183.8	183.8	183.8	184.1	184.8	184.1	183.8
180°	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0
2.5°	2064.9	2066.5	2069.5	2084.8	2092.4	2093.9	2087.8	2101.6	2106.2	2101.6	2098.5
5°	2162.7	2171.8	2190.2	2210.0	2208.5	2210.0	2219.2	2228.3	2231.4	2219.2	2223.8
7.5°	2248.2	2266.5	2286.4	2316.9	2316.9	2332.2	2338.3	2346.0	2364.3	2355.1	2352.1
10°	2346.0	2370.4	2407.0	2455.9	2457.4	2472.7	2488.0	2512.4	2520.1	2514.0	2517.0
12.5°	2468.1	2515.5	2518.5	2572.0	2596.4	2599.5	2623.9	2619.3	2634.6	2634.6	2660.6
15°	2521.6	2594.9	2636.1	2688.1	2703.3	2685.0	2704.9	2726.3	2727.8	2727.8	2726.3
17.5°	2617.8	2646.8	2688.1	2715.6	2721.7	2721.7	2723.2	2732.4	2726.3	2714.0	2723.2
20°	2637.7	2649.9	2665.2	2662.1	2665.2	2649.9	2634.6	2619.3	2620.9	2613.2	2636.1
22.5°	2601.0	2598.0	2562.8	2539.9	2539.9	2509.4	2480.4	2466.6	2452.9	2457.4	2465.1
25°	2509.4	2462.0	2419.3	2385.7	2378.0	2329.2	2289.4	2277.2	2254.3	2272.6	2275.7
27.5°	2362.8	2309.3	2240.6	2211.5	2171.8	2152.0	2124.5	2087.8	2040.5	2068.0	2063.4
30°	2205.4	2126.0	2069.5	1999.3	1936.6	1932.0	1880.1	1819.0	1794.6	1794.6	1808.3
32.5°	2029.8	1924.4	1841.9	1742.7	1681.6	1655.6	1593.0	1531.9	1545.6	1499.8	1516.6
35°	1825.1	1686.2	1582.3	1486.1	1440.3	1409.7	1328.8	1295.2	1258.5	1237.1	1276.8
37.5°	1629.6	1469.3	1336.4	1231.0	1214.2	1159.2	1104.2	1082.9	1061.5	1070.6	1069.1
40°	1391.4	1249.3	1130.2	1047.7	1018.7	992.8	956.1	930.1	916.4	924.0	925.6
42.5°	1176.0	1056.9	968.3	910.3	885.8	867.5	849.2	827.8	823.2	823.2	829.3
45°	1009.6	911.8	852.2	804.9	791.1	777.4	763.7	754.5	751.4	745.3	749.9
47.5°	876.7	798.8	762.1	727.0	711.7	708.7	696.5	691.9	685.8	684.2	685.8
50°	765.2	716.3	682.7	662.9	652.2	647.6	641.5	632.3	629.3	636.9	633.8
52.5°	687.3	641.5	623.1	603.3	597.2	591.1	581.9	583.4	581.9	578.9	578.9
55°	609.4	580.4	562.1	546.8	545.3	539.1	531.5	528.4	526.9	523.9	528.4
57.5°	546.8	523.9	507.1	493.3	487.2	487.2	479.6	473.5	473.5	471.9	473.5
60°	484.2	461.2	450.6	436.8	432.2	430.7	426.1	423.1	418.5	418.5	418.5
62.5°	426.1	407.8	395.6	383.4	384.9	377.2	371.1	368.1	368.1	369.6	369.6
65°	371.1	358.9	343.6	333.0	329.9	328.4	325.3	323.8	319.2	322.3	322.3
67.5°	320.7	303.9	294.8	290.2	285.6	284.1	281.0	278.0	276.4	274.9	278.0
70°	270.3	256.6	249.0	245.9	241.3	239.8	238.3	233.7	235.2	236.7	238.3
72.5°	224.5	212.3	210.8	201.6	201.6	201.6	195.5	198.6	197.0	194.0	197.0
75°	177.2	171.1	168.0	163.4	164.9	163.4	161.9	157.3	157.3	158.8	160.4
77.5°	140.5	134.4	132.9	128.3	125.2	128.3	125.2	123.7	123.7	125.2	125.2
80°	103.9	100.8	96.2	96.2	96.2	94.7	94.7	94.7	93.2	91.6	93.2
82.5°	68.7	68.7	67.2	65.7	67.2	64.1	65.7	65.7	65.7	65.7	65.7
85°	44.3	42.8	42.8	41.2	41.2	41.2	42.8	39.7	39.7	41.2	41.2
87.5°	19.9	19.9	19.9	21.4	19.9	19.9	19.9	21.4	19.9	19.9	19.9
90°	11.7	11.3	10.6	11.3	11.5	11.7	11.7	11.7	11.7	11.7	11.7
92.5°	45.6	35.7	30.4	26.5	25.1	23.7	23.3	21.9	22.3	21.6	22.3
95°	121.2	92.6	71.0	56.2	52.3	48.4	43.8	41.0	39.9	40.3	39.9
97.5°	227.6	189.4	151.3	115.6	105.0	94.4	80.6	73.5	69.6	67.5	69.6
100°	330.1	322.7	278.8	230.4	209.0	187.7	158.3	143.1	132.9	126.5	132.9
102.5°	368.3	410.0	408.5	376.4	353.4	330.4	297.9	269.3	255.9	246.7	255.9
105°	355.9	429.4	469.3	473.9	468.1	462.3	440.4	418.4	403.2	398.3	403.2
107.5°	329.7	408.5	467.9	502.6	509.6	516.7	516.3	513.2	508.6	500.4	508.6
110°	305.4	379.9	443.2	488.4	502.9	517.4	532.6	539.3	542.5	542.1	542.5

TEST NUMBER: P1008615

CATALOG NUMBER: S122DIP-B1005D330UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	288.4	353.8	413.8	463.0	480.2	497.3	519.9	532.2	539.0	541.4	539.0
115°	275.0	333.3	387.7	434.0	452.2	470.4	495.5	511.7	520.9	524.1	520.9
117.5°	265.8	316.3	365.1	408.2	425.5	442.8	468.6	485.9	495.5	498.0	495.5
120°	258.7	304.3	348.1	385.6	401.6	417.7	442.5	459.1	469.3	472.9	469.3
122.5°	252.7	294.7	334.0	369.0	383.1	397.2	418.8	435.1	443.9	446.7	443.9
125°	247.0	285.6	322.0	353.1	366.4	379.6	400.1	413.5	422.3	425.2	422.3
127.5°	241.7	276.4	309.9	339.6	352.0	364.4	382.4	395.1	402.9	405.0	402.9
130°	236.4	267.5	297.9	325.8	337.5	349.2	366.5	378.5	385.6	388.4	385.6
132.5°	232.2	259.1	286.6	311.7	322.5	333.3	350.2	362.3	368.6	371.1	368.6
135°	228.3	251.3	274.6	297.9	307.8	317.7	332.9	344.6	350.9	352.4	350.9
137.5°	225.5	244.9	265.1	284.1	293.0	301.8	316.3	326.6	332.2	334.3	332.2
140°	223.0	238.9	255.9	272.1	279.9	287.7	299.0	308.2	313.5	315.6	313.5
142.5°	220.5	234.0	247.7	261.2	267.4	273.5	284.1	292.3	296.9	296.9	296.9
145°	218.4	229.4	241.0	252.0	257.1	262.2	270.7	276.7	280.3	281.3	280.3
147.5°	216.3	225.8	235.4	244.2	248.1	252.0	259.4	264.4	266.8	267.5	266.8
150°	213.5	221.9	229.7	237.1	240.3	243.5	248.8	253.0	255.2	255.5	255.2
152.5°	211.0	218.1	225.1	231.1	233.8	236.4	240.3	243.9	245.3	245.3	245.3
155°	207.8	214.5	220.2	225.5	227.4	229.4	233.3	235.7	237.1	236.4	237.1
157.5°	205.0	210.3	215.2	219.8	221.4	223.0	225.8	228.0	228.7	228.7	228.7
160°	201.8	206.4	210.3	214.2	215.4	216.6	219.1	220.9	221.2	221.2	221.2
162.5°	199.0	202.5	205.7	208.9	209.8	210.6	213.1	214.2	214.5	214.2	214.5
165°	195.8	198.6	201.1	203.6	204.3	205.0	206.4	207.8	207.8	207.5	207.8
167.5°	192.6	194.7	196.9	198.6	199.3	200.0	200.7	201.4	201.4	201.1	201.4
170°	190.1	191.9	193.0	194.4	194.8	195.1	195.4	196.5	196.1	195.4	196.1
172.5°	187.7	188.7	189.4	190.5	190.6	190.8	191.2	191.6	191.2	190.8	191.2
175°	185.5	186.6	187.0	187.3	187.5	187.7	187.7	188.0	187.7	187.0	187.7
177.5°	184.1	184.8	184.8	185.2	185.2	185.2	185.2	185.2	184.8	184.1	184.8
180°	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8

TEST NUMBER: P1008615

CATALOG NUMBER: S122DIP-B1005D330UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0
2.5°	2106.2	2095.5	2086.3	2087.8	2095.5	2089.4	2074.1	2054.2	2046.6	2037.4	2046.6
5°	2232.9	2223.8	2205.4	2207.0	2202.4	2196.3	2171.8	2141.3	2141.3	2116.9	2113.8
7.5°	2358.2	2344.4	2332.2	2329.2	2312.4	2300.1	2278.7	2236.0	2219.2	2190.2	2173.4
10°	2498.7	2488.0	2474.2	2457.4	2448.3	2426.9	2391.8	2329.2	2298.6	2258.9	2229.9
12.5°	2640.7	2639.2	2608.6	2575.0	2573.5	2539.9	2515.5	2431.5	2390.2	2336.8	2268.1
15°	2730.8	2723.2	2706.4	2689.6	2694.2	2657.5	2602.5	2503.3	2475.8	2411.6	2338.3
17.5°	2729.3	2729.3	2724.7	2721.7	2717.1	2706.4	2675.9	2610.2	2565.9	2484.9	2416.2
20°	2642.2	2662.1	2666.7	2665.2	2680.4	2688.1	2686.5	2645.3	2610.2	2538.4	2468.1
22.5°	2468.1	2514.0	2533.8	2546.0	2578.1	2594.9	2634.6	2619.3	2610.2	2556.7	2497.2
25°	2306.2	2321.5	2381.1	2384.1	2428.4	2469.7	2509.4	2535.3	2568.9	2549.1	2498.7
27.5°	2097.0	2132.1	2174.9	2207.0	2216.1	2300.1	2365.8	2414.7	2491.0	2497.2	2480.4
30°	1860.3	1877.1	1947.3	1990.1	2039.0	2100.1	2194.7	2278.7	2347.5	2410.1	2431.5
32.5°	1571.6	1640.3	1681.6	1733.5	1776.3	1884.7	2000.8	2109.2	2188.6	2294.0	2339.8
35°	1307.4	1360.8	1431.1	1452.5	1530.4	1622.0	1773.2	1912.2	2032.9	2139.8	2232.9
37.5°	1089.0	1131.7	1206.6	1240.2	1286.0	1403.6	1530.4	1703.0	1848.0	1979.4	2095.5
40°	939.3	971.4	1027.9	1038.6	1076.8	1183.7	1286.0	1447.9	1640.3	1817.5	1944.3
42.5°	837.0	852.2	890.4	904.2	928.6	1000.4	1092.0	1244.8	1423.5	1606.7	1785.4
45°	763.7	774.3	797.3	809.5	840.0	872.1	946.9	1069.1	1209.6	1394.4	1586.9
47.5°	698.0	711.7	720.9	728.5	745.3	780.5	829.3	919.4	1053.8	1223.4	1409.7
50°	643.0	647.6	664.4	665.9	676.6	699.5	745.3	800.3	907.2	1044.7	1224.9
52.5°	588.0	592.6	603.3	614.0	618.6	636.9	667.4	713.3	792.7	901.1	1061.5
55°	533.0	539.1	549.8	557.5	562.1	577.3	595.7	639.9	702.6	778.9	910.3
57.5°	478.0	491.8	494.8	499.4	507.1	523.9	540.7	566.6	615.5	685.8	782.0
60°	426.1	430.7	441.4	446.0	453.6	462.8	484.2	504.0	539.1	594.1	681.2
62.5°	372.7	383.4	387.9	392.5	398.6	409.3	423.1	444.4	475.0	519.3	588.0
65°	326.8	328.4	337.5	343.6	349.8	357.4	371.1	391.0	409.3	450.6	501.0
67.5°	282.6	285.6	288.7	294.8	302.4	310.0	322.3	333.0	355.9	383.4	423.1
70°	239.8	239.8	247.4	252.0	250.5	259.6	268.8	281.0	297.8	323.8	355.9
72.5°	201.6	200.1	206.2	207.7	210.8	216.9	223.0	235.2	244.4	264.2	288.7
75°	160.4	163.4	166.5	166.5	171.1	175.6	181.8	187.9	198.6	210.8	229.1
77.5°	126.8	126.8	129.8	131.3	135.9	134.4	140.5	146.6	154.3	164.9	178.7
80°	93.2	96.2	96.2	96.2	97.7	99.3	105.4	110.0	114.5	122.2	128.3
82.5°	65.7	65.7	68.7	68.7	68.7	71.8	71.8	73.3	76.4	80.9	85.5
85°	41.2	41.2	41.2	42.8	41.2	42.8	45.8	44.3	45.8	48.9	48.9
87.5°	19.9	19.9	19.9	19.9	19.9	21.4	19.9	21.4	22.9	22.9	22.9
90°	11.7	11.7	11.7	11.5	11.3	10.6	11.3	11.7	12.0	11.7	9.5
92.5°	21.9	23.3	23.7	25.1	26.5	30.4	35.7	45.6	54.4	53.7	41.7
95°	41.0	43.8	48.4	52.3	56.2	71.0	92.6	121.2	138.5	122.6	81.6
97.5°	73.5	80.6	94.4	105.0	115.6	151.3	189.4	227.6	225.8	174.6	108.5
100°	143.1	158.3	187.7	209.0	230.4	278.8	322.7	330.1	279.2	192.3	115.9
102.5°	269.3	297.9	330.4	353.4	376.4	408.5	410.0	368.3	281.0	185.5	116.3
105°	418.4	440.4	462.3	468.1	473.9	469.3	429.4	355.9	261.9	176.4	118.0
107.5°	513.2	516.3	516.7	509.6	502.6	467.9	408.5	329.7	244.2	171.4	121.9
110°	539.3	532.6	517.4	502.9	488.4	443.2	379.9	305.4	232.2	170.0	126.9



TEST NUMBER: P1008615

CATALOG NUMBER: S122DIP-B1005D330UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	532.2	519.9	497.3	480.2	463.0	413.8	353.8	288.4	224.4	170.3	132.2
115°	511.7	495.5	470.4	452.2	434.0	387.7	333.3	275.0	219.1	171.8	137.5
117.5°	485.9	468.6	442.8	425.5	408.2	365.1	316.3	265.8	216.3	173.9	143.1
120°	459.1	442.5	417.7	401.6	385.6	348.1	304.3	258.7	213.8	176.0	148.8
122.5°	435.1	418.8	397.2	383.1	369.0	334.0	294.7	252.7	212.4	178.5	153.7
125°	413.5	400.1	379.6	366.4	353.1	322.0	285.6	247.0	210.6	180.9	159.0
127.5°	395.1	382.4	364.4	352.0	339.6	309.9	276.4	241.7	209.6	183.4	164.0
130°	378.5	366.5	349.2	337.5	325.8	297.9	267.5	236.4	208.9	186.2	168.6
132.5°	362.3	350.2	333.3	322.5	311.7	286.6	259.1	232.2	208.5	189.1	173.2
135°	344.6	332.9	317.7	307.8	297.9	274.6	251.3	228.3	208.2	191.2	177.1
137.5°	326.6	316.3	301.8	293.0	284.1	265.1	244.9	225.5	208.2	193.3	180.2
140°	308.2	299.0	287.7	279.9	272.1	255.9	238.9	223.0	207.8	194.7	182.7
142.5°	292.3	284.1	273.5	267.4	261.2	247.7	234.0	220.5	207.8	195.8	184.8
145°	276.7	270.7	262.2	257.1	252.0	241.0	229.4	218.4	207.1	196.5	186.6
147.5°	264.4	259.4	252.0	248.1	244.2	235.4	225.8	216.3	206.0	196.9	187.7
150°	253.0	248.8	243.5	240.3	237.1	229.7	221.9	213.5	205.0	196.5	188.4
152.5°	243.9	240.3	236.4	233.8	231.1	225.1	218.1	211.0	203.2	195.8	188.7
155°	235.7	233.3	229.4	227.4	225.5	220.2	214.5	207.8	201.1	195.1	189.1
157.5°	228.0	225.8	223.0	221.4	219.8	215.2	210.3	205.0	199.0	193.7	189.1
160°	220.9	219.1	216.6	215.4	214.2	210.3	206.4	201.8	196.9	192.6	189.1
162.5°	214.2	213.1	210.6	209.8	208.9	205.7	202.5	199.0	195.1	191.6	188.7
165°	207.8	206.4	205.0	204.3	203.6	201.1	198.6	195.8	192.6	190.1	188.0
167.5°	201.4	200.7	200.0	199.3	198.6	196.9	194.7	192.6	190.5	188.7	187.7
170°	196.5	195.4	195.1	194.8	194.4	193.0	191.9	190.1	188.7	187.7	187.0
172.5°	191.6	191.2	190.8	190.6	190.5	189.4	188.7	187.7	186.6	186.2	185.9
175°	188.0	187.7	187.7	187.5	187.3	187.0	186.6	185.5	185.2	184.8	185.2
177.5°	185.2	185.2	185.2	185.2	185.2	184.8	184.8	184.1	183.8	184.1	184.8
180°	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8

TEST NUMBER: P1008615

CATALOG NUMBER: S122DIP-B1005D330UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0
2.5°	2039.0	2031.3	2026.7	2029.8	2020.6	1997.7	1997.7	2005.4	1996.2	1987.0	1973.3
5°	2095.5	2080.2	2071.0	2069.5	2048.1	2011.5	2003.8	1996.2	1976.3	1955.0	1932.0
7.5°	2150.5	2123.0	2107.7	2097.0	2066.5	2019.1	1999.3	1982.5	1950.4	1918.3	1889.3
10°	2196.3	2156.6	2138.2	2121.4	2081.7	2022.2	1990.1	1959.5	1918.3	1877.1	1840.4
12.5°	2232.9	2187.1	2164.2	2139.8	2090.9	2013.0	1973.3	1924.4	1883.2	1828.2	1791.5
15°	2294.0	2199.3	2177.9	2155.0	2104.6	1997.7	1948.9	1893.9	1837.4	1764.0	1724.3
17.5°	2342.9	2216.1	2214.6	2165.7	2100.1	1991.6	1916.8	1845.0	1783.9	1710.6	1648.0
20°	2371.9	2242.1	2217.7	2167.3	2084.8	1950.4	1872.5	1793.1	1727.4	1638.8	1576.2
22.5°	2396.4	2278.7	2214.6	2153.5	2052.7	1936.6	1822.1	1747.2	1657.1	1560.9	1501.3
25°	2405.5	2286.4	2219.2	2148.9	2029.8	1896.9	1767.1	1686.2	1585.3	1498.3	1417.3
27.5°	2407.0	2284.9	2202.4	2129.1	1997.7	1845.0	1712.1	1626.6	1515.1	1414.3	1333.3
30°	2391.8	2268.1	2193.2	2113.8	1967.2	1797.6	1644.9	1550.2	1431.1	1330.3	1246.3
32.5°	2346.0	2234.5	2173.4	2086.3	1927.5	1732.0	1580.8	1475.4	1350.1	1250.9	1169.9
35°	2269.6	2193.2	2126.0	2045.1	1875.5	1670.9	1516.6	1392.9	1266.1	1171.4	1095.1
37.5°	2174.9	2133.7	2071.0	1991.6	1816.0	1615.9	1444.8	1307.4	1180.6	1089.0	1014.1
40°	2046.6	2057.3	1996.2	1924.4	1745.7	1541.1	1351.7	1220.3	1101.2	1015.7	942.4
42.5°	1907.6	1951.9	1916.8	1848.0	1667.8	1458.6	1282.9	1137.8	1021.8	933.2	872.1
45°	1757.9	1834.3	1812.9	1762.5	1586.9	1371.5	1185.2	1044.7	942.4	856.8	803.4
47.5°	1594.5	1703.0	1703.0	1666.3	1496.8	1284.5	1101.2	957.6	856.8	795.7	743.8
50°	1428.0	1550.2	1570.1	1545.6	1396.0	1185.2	998.9	869.0	782.0	722.4	684.2
52.5°	1253.9	1396.0	1432.6	1420.4	1289.1	1090.5	914.9	788.1	708.7	656.7	623.1
55°	1087.4	1252.4	1292.1	1296.7	1174.5	986.6	821.7	710.2	633.8	598.7	569.7
57.5°	930.1	1089.0	1133.3	1140.9	1058.4	892.0	734.6	636.9	568.2	539.1	516.2
60°	795.7	928.6	986.6	1003.4	931.7	782.0	653.7	559.0	507.1	479.6	458.2
62.5°	685.8	792.7	853.8	858.3	826.3	685.8	569.7	490.3	446.0	421.5	410.8
65°	578.9	675.1	711.7	730.1	704.1	594.1	491.8	426.1	391.0	369.6	358.9
67.5°	493.3	554.4	585.0	609.4	583.4	501.0	418.5	365.0	339.1	317.7	311.6
70°	404.7	455.1	478.0	502.5	479.6	417.0	357.4	308.5	285.6	268.8	261.2
72.5°	323.8	363.5	384.9	400.2	386.4	334.5	285.6	252.0	235.2	223.0	218.4
75°	256.6	284.1	296.3	307.0	300.9	261.2	230.6	203.1	187.9	177.2	174.1
77.5°	195.5	215.4	229.1	232.2	224.5	198.6	172.6	155.8	143.6	137.5	134.4
80°	139.0	151.2	158.8	163.4	155.8	145.1	126.8	114.5	103.9	96.2	94.7
82.5°	93.2	99.3	105.4	103.9	100.8	91.6	80.9	74.8	70.3	64.1	64.1
85°	53.5	55.0	58.0	59.6	58.0	51.9	45.8	42.8	39.7	35.1	35.1
87.5°	22.9	24.4	24.4	26.0	22.9	22.9	19.9	16.8	16.8	15.3	13.7
90°	7.1	5.3	4.8	4.2	3.5	2.8	1.4	0.4	1.4	2.8	3.5
92.5°	28.3	18.7	16.8	14.8	12.0	10.2	7.4	5.3	7.4	10.2	12.0
95°	50.9	34.6	30.4	26.2	20.5	17.3	13.8	12.4	13.8	17.3	20.5
97.5°	65.7	44.9	40.1	35.3	29.0	24.4	20.5	18.4	20.5	24.4	29.0
100°	72.8	54.1	49.2	44.2	37.1	31.5	28.3	27.2	28.3	31.5	37.1
102.5°	79.2	62.2	57.2	52.3	44.9	39.2	36.0	35.3	36.0	39.2	44.9
105°	86.6	70.0	65.0	60.1	52.3	47.0	44.5	43.1	44.5	47.0	52.3
107.5°	94.0	77.8	72.8	67.9	60.1	55.1	52.7	51.6	52.7	55.1	60.1
110°	101.4	85.9	80.8	75.6	68.2	63.6	61.5	60.1	61.5	63.6	68.2

TEST NUMBER: P1008615

CATALOG NUMBER: S122DIP-B1005D330UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	108.5	93.7	88.4	83.1	76.0	71.7	69.3	67.9	69.3	71.7	76.0
115°	115.9	100.7	96.0	91.2	84.1	79.9	77.8	76.0	77.8	79.9	84.1
117.5°	122.6	108.5	103.6	98.6	91.9	88.0	85.9	84.5	85.9	88.0	91.9
120°	129.7	115.9	111.0	106.0	99.0	95.8	93.7	92.2	93.7	95.8	99.0
122.5°	136.4	123.7	118.6	113.4	106.4	102.8	100.7	99.7	100.7	102.8	106.4
125°	143.1	130.4	125.4	120.5	113.4	109.2	107.1	106.0	107.1	109.2	113.4
127.5°	149.5	137.1	132.0	126.9	120.2	115.6	112.7	111.3	112.7	115.6	120.2
130°	155.1	142.8	137.9	132.9	125.8	120.9	117.3	115.9	117.3	120.9	125.8
132.5°	160.1	148.4	143.4	138.5	131.1	125.8	121.9	120.2	121.9	125.8	131.1
135°	164.7	153.4	148.4	143.5	135.4	130.1	125.8	124.4	125.8	130.1	135.4
137.5°	168.6	157.3	152.7	148.1	140.0	134.3	130.1	128.3	130.1	134.3	140.0
140°	171.8	161.2	156.6	152.0	144.2	138.5	134.3	132.9	134.3	138.5	144.2
142.5°	174.2	164.0	159.8	155.5	148.1	142.4	138.5	137.5	138.5	142.4	148.1
145°	176.7	167.2	163.3	159.4	152.3	147.0	143.5	142.1	143.5	147.0	152.3
147.5°	178.8	169.6	166.1	162.6	156.6	151.6	148.1	147.0	148.1	151.6	156.6
150°	180.2	172.1	169.0	165.8	160.5	155.9	153.0	152.0	153.0	155.9	160.5
152.5°	181.7	174.6	171.8	168.9	164.0	160.1	157.3	156.9	157.3	160.1	164.0
155°	183.1	177.1	174.4	171.8	167.9	164.0	161.9	161.5	161.9	164.0	167.9
157.5°	184.1	178.8	176.5	174.2	171.1	167.5	165.8	165.4	165.8	167.5	171.1
160°	184.8	180.6	178.6	176.7	173.9	171.1	169.6	169.3	169.6	171.1	173.9
162.5°	185.2	181.7	180.2	178.8	176.4	174.2	172.8	173.2	172.8	174.2	176.4
165°	185.5	182.4	181.3	180.2	178.5	176.4	175.6	176.0	175.6	176.4	178.5
167.5°	185.5	183.1	182.4	181.7	180.2	178.8	178.1	178.5	178.1	178.8	180.2
170°	185.2	183.4	182.9	182.4	181.7	180.6	180.2	180.9	180.2	180.6	181.7
172.5°	184.8	183.8	183.4	183.1	182.7	181.7	182.0	182.4	182.0	181.7	182.7
175°	184.5	183.8	183.6	183.4	183.4	182.7	183.1	183.4	183.1	182.7	183.4
177.5°	184.1	183.8	183.8	183.8	183.8	183.1	183.4	184.1	183.4	183.1	183.8
180°	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8

TEST NUMBER: P1008615

CATALOG NUMBER: S122DIP-B1005D330UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0
2.5°	1965.7	1973.3	1971.8	1956.5	1939.7	1925.9	1900.0	1903.0	1893.9	1895.4	1904.6
5°	1916.8	1916.8	1910.7	1889.3	1861.8	1846.5	1817.5	1809.9	1791.5	1790.0	1788.5
7.5°	1864.8	1857.2	1849.6	1819.0	1785.4	1761.0	1721.3	1712.1	1693.8	1681.6	1675.5
10°	1803.8	1793.1	1777.8	1742.7	1701.4	1670.9	1629.6	1617.4	1582.3	1567.0	1557.9
12.5°	1736.6	1730.4	1706.0	1677.0	1609.8	1576.2	1516.6	1528.8	1493.7	1463.2	1458.6
15°	1669.4	1646.4	1632.7	1585.3	1504.4	1489.1	1441.8	1417.3	1385.3	1360.8	1360.8
17.5°	1603.7	1568.5	1538.0	1487.6	1428.0	1385.3	1350.1	1337.9	1298.2	1273.8	1269.2
20°	1516.6	1476.9	1469.3	1397.5	1356.3	1308.9	1275.3	1244.8	1215.7	1205.0	1197.4
22.5°	1434.1	1388.3	1376.1	1315.0	1273.8	1226.4	1192.8	1171.4	1150.1	1142.4	1128.7
25°	1345.6	1318.1	1299.7	1234.1	1188.2	1144.0	1121.0	1105.8	1085.9	1084.4	1075.2
27.5°	1260.0	1234.1	1215.7	1153.1	1119.5	1078.3	1060.0	1043.2	1032.5	1027.9	1023.3
30°	1186.7	1157.7	1136.3	1090.5	1049.3	1015.7	1000.4	989.7	983.6	976.0	974.4
32.5°	1105.8	1089.0	1060.0	1024.8	992.8	960.7	951.5	943.9	934.7	931.7	930.1
35°	1037.0	1014.1	995.8	956.1	942.4	914.9	904.2	898.1	885.8	882.8	879.7
37.5°	969.8	948.5	928.6	904.2	878.2	862.9	856.8	847.7	841.5	843.1	840.0
40°	902.6	885.8	870.6	844.6	829.3	821.7	809.5	800.3	797.3	798.8	797.3
42.5°	837.0	821.7	812.5	792.7	777.4	769.8	762.1	753.0	757.5	757.5	762.1
45°	777.4	763.7	757.5	742.3	733.1	720.9	713.3	711.7	717.8	716.3	716.3
47.5°	716.3	711.7	704.1	690.3	678.1	670.5	669.0	669.0	675.1	678.1	676.6
50°	669.0	659.8	650.6	639.9	630.8	627.7	623.1	626.2	632.3	632.3	635.4
52.5°	609.4	603.3	600.2	591.1	585.0	585.0	585.0	586.5	591.1	595.7	594.1
55°	557.5	552.9	549.8	545.3	537.6	539.1	537.6	540.7	545.3	549.8	552.9
57.5°	502.5	501.0	497.9	490.3	490.3	488.7	493.3	494.8	502.5	505.5	510.1
60°	453.6	449.0	449.0	442.9	442.9	442.9	447.5	452.1	458.2	459.7	462.8
62.5°	401.7	401.7	400.2	395.6	395.6	400.2	401.7	407.8	410.8	410.8	415.4
65°	352.8	351.3	349.8	351.3	352.8	352.8	357.4	360.4	363.5	365.0	366.6
67.5°	303.9	302.4	305.5	303.9	307.0	313.1	311.6	316.2	320.7	320.7	322.3
70°	258.1	261.2	259.6	262.7	261.2	264.2	268.8	270.3	270.3	271.9	276.4
72.5°	215.4	215.4	215.4	213.8	215.4	218.4	221.5	223.0	226.0	227.6	232.2
75°	174.1	174.1	171.1	174.1	174.1	177.2	180.2	180.2	180.2	183.3	187.9
77.5°	131.3	132.9	131.3	134.4	134.4	135.9	139.0	137.5	140.5	142.0	143.6
80°	96.2	94.7	94.7	94.7	96.2	96.2	99.3	100.8	100.8	105.4	102.3
82.5°	61.1	62.6	61.1	62.6	62.6	64.1	62.6	64.1	65.7	68.7	67.2
85°	35.1	33.6	33.6	35.1	33.6	33.6	35.1	33.6	35.1	33.6	35.1
87.5°	13.7	12.2	12.2	12.2	12.2	10.7	10.7	9.2	9.2	9.2	7.6
90°	4.2	4.8	5.3	7.1	9.5	11.7	12.0	11.7	11.3	10.6	11.3
92.5°	14.8	16.8	18.7	28.3	41.7	53.7	54.4	45.6	35.7	30.4	26.5
95°	26.2	30.4	34.6	50.9	81.6	122.6	138.5	121.2	92.6	71.0	56.2
97.5°	35.3	40.1	44.9	65.7	108.5	174.6	225.8	227.6	189.4	151.3	115.6
100°	44.2	49.2	54.1	72.8	115.9	192.3	279.2	330.1	322.7	278.8	230.4
102.5°	52.3	57.2	62.2	79.2	116.3	185.5	281.0	368.3	410.0	408.5	376.4
105°	60.1	65.0	70.0	86.6	118.0	176.4	261.9	355.9	429.4	469.3	473.9
107.5°	67.9	72.8	77.8	94.0	121.9	171.4	244.2	329.7	408.5	467.9	502.6
110°	75.6	80.8	85.9	101.4	126.9	170.0	232.2	305.4	379.9	443.2	488.4

TEST NUMBER: P1008615

CATALOG NUMBER: S122DIP-B1005D330UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	83.1	88.4	93.7	108.5	132.2	170.3	224.4	288.4	353.8	413.8	463.0
115°	91.2	96.0	100.7	115.9	137.5	171.8	219.1	275.0	333.3	387.7	434.0
117.5°	98.6	103.6	108.5	122.6	143.1	173.9	216.3	265.8	316.3	365.1	408.2
120°	106.0	111.0	115.9	129.7	148.8	176.0	213.8	258.7	304.3	348.1	385.6
122.5°	113.4	118.6	123.7	136.4	153.7	178.5	212.4	252.7	294.7	334.0	369.0
125°	120.5	125.4	130.4	143.1	159.0	180.9	210.6	247.0	285.6	322.0	353.1
127.5°	126.9	132.0	137.1	149.5	164.0	183.4	209.6	241.7	276.4	309.9	339.6
130°	132.9	137.9	142.8	155.1	168.6	186.2	208.9	236.4	267.5	297.9	325.8
132.5°	138.5	143.4	148.4	160.1	173.2	189.1	208.5	232.2	259.1	286.6	311.7
135°	143.5	148.4	153.4	164.7	177.1	191.2	208.2	228.3	251.3	274.6	297.9
137.5°	148.1	152.7	157.3	168.6	180.2	193.3	208.2	225.5	244.9	265.1	284.1
140°	152.0	156.6	161.2	171.8	182.7	194.7	207.8	223.0	238.9	255.9	272.1
142.5°	155.5	159.8	164.0	174.2	184.8	195.8	207.8	220.5	234.0	247.7	261.2
145°	159.4	163.3	167.2	176.7	186.6	196.5	207.1	218.4	229.4	241.0	252.0
147.5°	162.6	166.1	169.6	178.8	187.7	196.9	206.0	216.3	225.8	235.4	244.2
150°	165.8	169.0	172.1	180.2	188.4	196.5	205.0	213.5	221.9	229.7	237.1
152.5°	168.9	171.8	174.6	181.7	188.7	195.8	203.2	211.0	218.1	225.1	231.1
155°	171.8	174.4	177.1	183.1	189.1	195.1	201.1	207.8	214.5	220.2	225.5
157.5°	174.2	176.5	178.8	184.1	189.1	193.7	199.0	205.0	210.3	215.2	219.8
160°	176.7	178.6	180.6	184.8	189.1	192.6	196.9	201.8	206.4	210.3	214.2
162.5°	178.8	180.2	181.7	185.2	188.7	191.6	195.1	199.0	202.5	205.7	208.9
165°	180.2	181.3	182.4	185.5	188.0	190.1	192.6	195.8	198.6	201.1	203.6
167.5°	181.7	182.4	183.1	185.5	187.7	188.7	190.5	192.6	194.7	196.9	198.6
170°	182.4	182.9	183.4	185.2	187.0	187.7	188.7	190.1	191.9	193.0	194.4
172.5°	183.1	183.4	183.8	184.8	185.9	186.2	186.6	187.7	188.7	189.4	190.5
175°	183.4	183.6	183.8	184.5	185.2	184.8	185.2	185.5	186.6	187.0	187.3
177.5°	183.8	183.8	183.8	184.1	184.8	184.1	183.8	184.1	184.8	184.8	185.2
180°	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8

TEST NUMBER: P1008615

CATALOG NUMBER: S122DIP-B1005D330UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0
2.5°	1893.9	1898.4	1887.8	1884.7	1887.8	1877.1	1880.1	1883.2	1883.2	1887.8	1890.8
5°	1783.9	1777.8	1767.1	1764.0	1761.0	1765.6	1762.5	1767.1	1768.6	1779.3	1780.8
7.5°	1675.5	1666.3	1657.1	1648.0	1644.9	1637.3	1644.9	1644.9	1655.6	1652.6	1660.2
10°	1547.2	1545.6	1533.4	1528.8	1522.7	1510.5	1527.3	1522.7	1530.4	1544.1	1547.2
12.5°	1452.5	1435.7	1443.3	1421.9	1429.6	1417.3	1418.9	1418.9	1431.1	1432.6	1429.6
15°	1362.4	1348.6	1328.8	1319.6	1315.0	1308.9	1328.8	1330.3	1321.1	1342.5	1334.9
17.5°	1270.7	1270.7	1252.4	1247.8	1235.6	1241.7	1238.7	1240.2	1237.1	1252.4	1260.0
20°	1191.3	1183.7	1177.6	1179.1	1163.8	1160.8	1157.7	1160.8	1171.4	1182.1	1185.2
22.5°	1127.2	1122.6	1107.3	1110.4	1098.1	1102.7	1099.7	1107.3	1108.8	1108.8	1119.5
25°	1066.1	1060.0	1061.5	1055.4	1050.8	1050.8	1046.2	1050.8	1056.9	1060.0	1061.5
27.5°	1020.2	1015.7	1008.0	1003.4	1006.5	998.9	1005.0	1009.6	1009.6	1006.5	1009.6
30°	965.3	968.3	968.3	953.0	959.2	956.1	960.7	963.7	963.7	965.3	962.2
32.5°	928.6	919.4	917.9	916.4	916.4	910.3	910.3	914.9	916.4	917.9	922.5
35°	879.7	879.7	872.1	876.7	870.6	872.1	870.6	872.1	875.1	870.6	875.1
37.5°	835.4	837.0	833.9	837.0	838.5	835.4	832.4	838.5	835.4	835.4	832.4
40°	797.3	795.7	797.3	797.3	797.3	798.8	795.7	795.7	795.7	792.7	789.6
42.5°	765.2	756.0	759.1	760.6	756.0	756.0	757.5	756.0	760.6	751.4	751.4
45°	719.4	716.3	717.8	717.8	720.9	716.3	719.4	720.9	716.3	714.8	711.7
47.5°	678.1	681.2	678.1	681.2	681.2	684.2	678.1	679.7	681.2	675.1	670.5
50°	636.9	636.9	641.5	639.9	641.5	638.4	638.4	636.9	638.4	635.4	630.8
52.5°	598.7	594.1	601.8	600.2	598.7	597.2	595.7	597.2	594.1	591.1	591.1
55°	551.4	551.4	555.9	557.5	557.5	554.4	551.4	552.9	551.4	549.8	548.3
57.5°	513.2	507.1	510.1	511.6	511.6	507.1	510.1	507.1	507.1	508.6	504.0
60°	464.3	464.3	461.2	465.8	465.8	462.8	462.8	464.3	461.2	459.7	458.2
62.5°	412.4	413.9	418.5	420.0	421.5	418.5	415.4	417.0	417.0	412.4	413.9
65°	368.1	371.1	377.2	375.7	372.7	374.2	371.1	372.7	368.1	369.6	365.0
67.5°	325.3	323.8	325.3	325.3	328.4	326.8	323.8	323.8	322.3	326.8	322.3
70°	279.5	279.5	279.5	279.5	281.0	282.6	279.5	276.4	278.0	274.9	273.4
72.5°	232.2	233.7	232.2	235.2	230.6	233.7	233.7	232.2	230.6	230.6	230.6
75°	187.9	190.9	186.3	187.9	186.3	189.4	187.9	187.9	184.8	183.3	184.8
77.5°	143.6	145.1	142.0	143.6	142.0	143.6	143.6	142.0	142.0	142.0	142.0
80°	102.3	103.9	102.3	100.8	99.3	102.3	99.3	100.8	102.3	100.8	103.9
82.5°	65.7	65.7	64.1	65.7	62.6	62.6	64.1	64.1	62.6	65.7	62.6
85°	32.1	32.1	35.1	32.1	30.5	30.5	30.5	32.1	30.5	33.6	32.1
87.5°	7.6	6.1	7.6	7.6	6.1	6.1	7.6	6.1	7.6	9.2	6.1
90°	11.5	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.5
92.5°	25.1	23.7	23.3	21.9	22.3	21.6	22.3	21.9	23.3	23.7	25.1
95°	52.3	48.4	43.8	41.0	39.9	40.3	39.9	41.0	43.8	48.4	52.3
97.5°	105.0	94.4	80.6	73.5	69.6	67.5	69.6	73.5	80.6	94.4	105.0
100°	209.0	187.7	158.3	143.1	132.9	126.5	132.9	143.1	158.3	187.7	209.0
102.5°	353.4	330.4	297.9	269.3	255.9	246.7	255.9	269.3	297.9	330.4	353.4
105°	468.1	462.3	440.4	418.4	403.2	398.3	403.2	418.4	440.4	462.3	468.1
107.5°	509.6	516.7	516.3	513.2	508.6	500.4	508.6	513.2	516.3	516.7	509.6
110°	502.9	517.4	532.6	539.3	542.5	542.1	542.5	539.3	532.6	517.4	502.9

TEST NUMBER: P1008615

CATALOG NUMBER: S122DIP-B1005D330UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	480.2	497.3	519.9	532.2	539.0	541.4	539.0	532.2	519.9	497.3	480.2
115°	452.2	470.4	495.5	511.7	520.9	524.1	520.9	511.7	495.5	470.4	452.2
117.5°	425.5	442.8	468.6	485.9	495.5	498.0	495.5	485.9	468.6	442.8	425.5
120°	401.6	417.7	442.5	459.1	469.3	472.9	469.3	459.1	442.5	417.7	401.6
122.5°	383.1	397.2	418.8	435.1	443.9	446.7	443.9	435.1	418.8	397.2	383.1
125°	366.4	379.6	400.1	413.5	422.3	425.2	422.3	413.5	400.1	379.6	366.4
127.5°	352.0	364.4	382.4	395.1	402.9	405.0	402.9	395.1	382.4	364.4	352.0
130°	337.5	349.2	366.5	378.5	385.6	388.4	385.6	378.5	366.5	349.2	337.5
132.5°	322.5	333.3	350.2	362.3	368.6	371.1	368.6	362.3	350.2	333.3	322.5
135°	307.8	317.7	332.9	344.6	350.9	352.4	350.9	344.6	332.9	317.7	307.8
137.5°	293.0	301.8	316.3	326.6	332.2	334.3	332.2	326.6	316.3	301.8	293.0
140°	279.9	287.7	299.0	308.2	313.5	315.6	313.5	308.2	299.0	287.7	279.9
142.5°	267.4	273.5	284.1	292.3	296.9	296.9	296.9	292.3	284.1	273.5	267.4
145°	257.1	262.2	270.7	276.7	280.3	281.3	280.3	276.7	270.7	262.2	257.1
147.5°	248.1	252.0	259.4	264.4	266.8	267.5	266.8	264.4	259.4	252.0	248.1
150°	240.3	243.5	248.8	253.0	255.2	255.5	255.2	253.0	248.8	243.5	240.3
152.5°	233.8	236.4	240.3	243.9	245.3	245.3	245.3	243.9	240.3	236.4	233.8
155°	227.4	229.4	233.3	235.7	237.1	236.4	237.1	235.7	233.3	229.4	227.4
157.5°	221.4	223.0	225.8	228.0	228.7	228.7	228.7	228.0	225.8	223.0	221.4
160°	215.4	216.6	219.1	220.9	221.2	221.2	221.2	220.9	219.1	216.6	215.4
162.5°	209.8	210.6	213.1	214.2	214.5	214.2	214.5	214.2	213.1	210.6	209.8
165°	204.3	205.0	206.4	207.8	207.8	207.5	207.8	207.8	206.4	205.0	204.3
167.5°	199.3	200.0	200.7	201.4	201.4	201.1	201.4	201.4	200.7	200.0	199.3
170°	194.8	195.1	195.4	196.5	196.1	195.4	196.1	196.5	195.4	195.1	194.8
172.5°	190.6	190.8	191.2	191.6	191.2	190.8	191.2	191.6	191.2	190.8	190.6
175°	187.5	187.7	187.7	188.0	187.7	187.0	187.7	188.0	187.7	187.7	187.5
177.5°	185.2	185.2	185.2	185.2	184.8	184.1	184.8	185.2	185.2	185.2	185.2
180°	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8

TEST NUMBER: P1008615

CATALOG NUMBER: S122DIP-B1005D330UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0
2.5°	1886.2	1898.4	1893.9	1877.1	1896.9	1896.9	1910.7	1910.7	1927.5	1933.6	1942.7
5°	1779.3	1788.5	1796.1	1788.5	1802.2	1823.6	1835.8	1846.5	1869.4	1878.6	1892.3
7.5°	1664.8	1681.6	1689.2	1689.2	1712.1	1736.6	1761.0	1776.3	1808.3	1820.6	1834.3
10°	1553.3	1573.1	1588.4	1586.9	1625.1	1640.3	1670.9	1706.0	1738.1	1756.4	1776.3
12.5°	1435.7	1446.4	1467.7	1498.3	1507.5	1534.9	1570.1	1614.4	1672.4	1689.2	1718.2
15°	1337.9	1366.9	1383.7	1397.5	1418.9	1444.8	1483.0	1525.8	1583.8	1620.5	1651.0
17.5°	1255.5	1293.6	1304.3	1301.3	1328.8	1368.5	1412.8	1444.8	1496.8	1541.1	1570.1
20°	1188.2	1203.5	1221.8	1229.5	1250.9	1293.6	1336.4	1373.1	1415.8	1450.9	1484.5
22.5°	1121.0	1133.3	1148.5	1162.3	1179.1	1203.5	1244.8	1290.6	1331.8	1365.4	1403.6
25°	1066.1	1073.7	1087.4	1098.1	1116.5	1133.3	1162.3	1212.7	1261.6	1281.4	1315.0
27.5°	1012.6	1018.7	1027.9	1040.1	1049.3	1066.1	1092.0	1133.3	1183.7	1203.5	1249.3
30°	965.3	969.8	979.0	985.1	989.7	1009.6	1029.4	1061.5	1099.7	1127.2	1160.8
32.5°	921.0	925.6	934.7	936.2	942.4	953.0	971.4	1000.4	1034.0	1056.9	1085.9
35°	872.1	875.1	884.3	887.4	892.0	901.1	914.9	936.2	966.8	983.6	1009.6
37.5°	833.9	832.4	838.5	843.1	849.2	853.8	858.3	879.7	902.6	917.9	937.8
40°	792.7	789.6	791.1	797.3	800.3	806.4	806.4	827.8	843.1	855.3	870.6
42.5°	751.4	749.9	746.9	749.9	753.0	754.5	756.0	771.3	786.6	797.3	814.1
45°	710.2	708.7	705.6	707.1	707.1	710.2	714.8	720.9	731.6	740.7	749.9
47.5°	672.0	669.0	664.4	662.9	665.9	665.9	665.9	672.0	682.7	685.8	694.9
50°	632.3	627.7	621.6	618.6	618.6	617.0	620.1	621.6	630.8	633.8	641.5
52.5°	589.5	586.5	580.4	574.3	575.8	572.7	574.3	575.8	578.9	583.4	588.0
55°	546.8	540.7	536.1	534.6	530.0	530.0	525.4	531.5	530.0	531.5	537.6
57.5°	505.5	499.4	491.8	488.7	484.2	482.6	479.6	478.0	479.6	484.2	488.7
60°	456.7	453.6	449.0	444.4	441.4	436.8	433.8	433.8	432.2	432.2	433.8
62.5°	409.3	407.8	401.7	400.2	397.1	394.0	389.5	386.4	386.4	389.5	391.0
65°	363.5	362.0	357.4	355.9	348.2	345.2	343.6	342.1	339.1	339.1	339.1
67.5°	320.7	316.2	316.2	308.5	302.4	299.4	296.3	294.8	294.8	294.8	296.3
70°	273.4	273.4	268.8	264.2	258.1	259.6	255.1	250.5	250.5	247.4	249.0
72.5°	227.6	226.0	221.5	219.9	215.4	210.8	207.7	210.8	206.2	204.7	206.2
75°	183.3	181.8	178.7	175.6	177.2	172.6	168.0	166.5	166.5	163.4	163.4
77.5°	140.5	143.6	137.5	135.9	132.9	129.8	128.3	126.8	126.8	126.8	129.8
80°	97.7	99.3	99.3	96.2	97.7	93.2	93.2	93.2	88.6	90.1	91.6
82.5°	62.6	62.6	61.1	62.6	61.1	61.1	59.6	59.6	58.0	58.0	59.6
85°	35.1	33.6	32.1	35.1	33.6	33.6	32.1	32.1	32.1	32.1	32.1
87.5°	7.6	9.2	9.2	9.2	9.2	10.7	10.7	10.7	12.2	12.2	12.2
90°	11.3	10.6	11.3	11.7	12.0	11.7	9.5	7.1	5.3	4.8	4.2
92.5°	26.5	30.4	35.7	45.6	54.4	53.7	41.7	28.3	18.7	16.8	14.8
95°	56.2	71.0	92.6	121.2	138.5	122.6	81.6	50.9	34.6	30.4	26.2
97.5°	115.6	151.3	189.4	227.6	225.8	174.6	108.5	65.7	44.9	40.1	35.3
100°	230.4	278.8	322.7	330.1	279.2	192.3	115.9	72.8	54.1	49.2	44.2
102.5°	376.4	408.5	410.0	368.3	281.0	185.5	116.3	79.2	62.2	57.2	52.3
105°	473.9	469.3	429.4	355.9	261.9	176.4	118.0	86.6	70.0	65.0	60.1
107.5°	502.6	467.9	408.5	329.7	244.2	171.4	121.9	94.0	77.8	72.8	67.9
110°	488.4	443.2	379.9	305.4	232.2	170.0	126.9	101.4	85.9	80.8	75.6

TEST NUMBER: P1008615

CATALOG NUMBER: S122DIP-B1005D330UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	463.0	413.8	353.8	288.4	224.4	170.3	132.2	108.5	93.7	88.4	83.1
115°	434.0	387.7	333.3	275.0	219.1	171.8	137.5	115.9	100.7	96.0	91.2
117.5°	408.2	365.1	316.3	265.8	216.3	173.9	143.1	122.6	108.5	103.6	98.6
120°	385.6	348.1	304.3	258.7	213.8	176.0	148.8	129.7	115.9	111.0	106.0
122.5°	369.0	334.0	294.7	252.7	212.4	178.5	153.7	136.4	123.7	118.6	113.4
125°	353.1	322.0	285.6	247.0	210.6	180.9	159.0	143.1	130.4	125.4	120.5
127.5°	339.6	309.9	276.4	241.7	209.6	183.4	164.0	149.5	137.1	132.0	126.9
130°	325.8	297.9	267.5	236.4	208.9	186.2	168.6	155.1	142.8	137.9	132.9
132.5°	311.7	286.6	259.1	232.2	208.5	189.1	173.2	160.1	148.4	143.4	138.5
135°	297.9	274.6	251.3	228.3	208.2	191.2	177.1	164.7	153.4	148.4	143.5
137.5°	284.1	265.1	244.9	225.5	208.2	193.3	180.2	168.6	157.3	152.7	148.1
140°	272.1	255.9	238.9	223.0	207.8	194.7	182.7	171.8	161.2	156.6	152.0
142.5°	261.2	247.7	234.0	220.5	207.8	195.8	184.8	174.2	164.0	159.8	155.5
145°	252.0	241.0	229.4	218.4	207.1	196.5	186.6	176.7	167.2	163.3	159.4
147.5°	244.2	235.4	225.8	216.3	206.0	196.9	187.7	178.8	169.6	166.1	162.6
150°	237.1	229.7	221.9	213.5	205.0	196.5	188.4	180.2	172.1	169.0	165.8
152.5°	231.1	225.1	218.1	211.0	203.2	195.8	188.7	181.7	174.6	171.8	168.9
155°	225.5	220.2	214.5	207.8	201.1	195.1	189.1	183.1	177.1	174.4	171.8
157.5°	219.8	215.2	210.3	205.0	199.0	193.7	189.1	184.1	178.8	176.5	174.2
160°	214.2	210.3	206.4	201.8	196.9	192.6	189.1	184.8	180.6	178.6	176.7
162.5°	208.9	205.7	202.5	199.0	195.1	191.6	188.7	185.2	181.7	180.2	178.8
165°	203.6	201.1	198.6	195.8	192.6	190.1	188.0	185.5	182.4	181.3	180.2
167.5°	198.6	196.9	194.7	192.6	190.5	188.7	187.7	185.5	183.1	182.4	181.7
170°	194.4	193.0	191.9	190.1	188.7	187.7	187.0	185.2	183.4	182.9	182.4
172.5°	190.5	189.4	188.7	187.7	186.6	186.2	185.9	184.8	183.8	183.4	183.1
175°	187.3	187.0	186.6	185.5	185.2	184.8	185.2	184.5	183.8	183.6	183.4
177.5°	185.2	184.8	184.8	184.1	183.8	184.1	184.8	184.1	183.8	183.8	183.8
180°	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8	183.8

TEST NUMBER: P1008615

CATALOG NUMBER: S122DIP-B1005D330UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1987.0	1987.0	1987.0	1987.0
2.5°	1950.4	1950.4	1973.3	1997.7
5°	1907.6	1918.3	1955.0	1988.6
7.5°	1866.4	1884.7	1930.5	1973.3
10°	1816.0	1840.4	1896.9	1947.3
12.5°	1767.1	1790.0	1855.7	1912.2
15°	1698.4	1727.4	1797.6	1867.9
17.5°	1629.6	1658.7	1744.2	1826.7
20°	1548.7	1586.9	1683.1	1793.1
22.5°	1473.9	1521.2	1628.1	1716.7
25°	1391.4	1464.7	1564.0	1678.5
27.5°	1318.1	1391.4	1492.2	1608.3
30°	1235.6	1310.4	1414.3	1521.2
32.5°	1156.2	1224.9	1325.7	1457.1
35°	1073.7	1139.4	1237.1	1370.0
37.5°	998.9	1063.0	1169.9	1292.1
40°	925.6	992.8	1084.4	1206.6
42.5°	856.8	916.4	998.9	1121.0
45°	794.2	837.0	913.3	1027.9
47.5°	728.5	766.7	837.0	951.5
50°	667.4	699.5	760.6	867.5
52.5°	607.9	635.4	691.9	777.4
55°	554.4	580.4	621.6	705.6
57.5°	499.4	519.3	559.0	626.2
60°	446.0	464.3	496.4	551.4
62.5°	392.5	407.8	438.3	482.6
65°	345.2	357.4	380.3	418.5
67.5°	299.4	307.0	325.3	355.9
70°	255.1	261.2	276.4	300.9
72.5°	207.7	213.8	230.6	247.4
75°	168.0	169.5	181.8	195.5
77.5°	131.3	129.8	139.0	149.7
80°	90.1	94.7	102.3	106.9
82.5°	61.1	62.6	65.7	68.7
85°	33.6	35.1	35.1	39.7
87.5°	13.7	15.3	15.3	16.8
90°	3.5	2.8	1.4	0.4
92.5°	12.0	10.2	7.4	5.3
95°	20.5	17.3	13.8	12.4
97.5°	29.0	24.4	20.5	18.4
100°	37.1	31.5	28.3	27.2
102.5°	44.9	39.2	36.0	35.3
105°	52.3	47.0	44.5	43.1
107.5°	60.1	55.1	52.7	51.6
110°	68.2	63.6	61.5	60.1

TEST NUMBER: P1008615

CATALOG NUMBER: S122DIP-B1005D330UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	76.0	71.7	69.3	67.9
115°	84.1	79.9	77.8	76.0
117.5°	91.9	88.0	85.9	84.5
120°	99.0	95.8	93.7	92.2
122.5°	106.4	102.8	100.7	99.7
125°	113.4	109.2	107.1	106.0
127.5°	120.2	115.6	112.7	111.3
130°	125.8	120.9	117.3	115.9
132.5°	131.1	125.8	121.9	120.2
135°	135.4	130.1	125.8	124.4
137.5°	140.0	134.3	130.1	128.3
140°	144.2	138.5	134.3	132.9
142.5°	148.1	142.4	138.5	137.5
145°	152.3	147.0	143.5	142.1
147.5°	156.6	151.6	148.1	147.0
150°	160.5	155.9	153.0	152.0
152.5°	164.0	160.1	157.3	156.9
155°	167.9	164.0	161.9	161.5
157.5°	171.1	167.5	165.8	165.4
160°	173.9	171.1	169.6	169.3
162.5°	176.4	174.2	172.8	173.2
165°	178.5	176.4	175.6	176.0
167.5°	180.2	178.8	178.1	178.5
170°	181.7	180.6	180.2	180.9
172.5°	182.7	181.7	182.0	182.4
175°	183.4	182.7	183.1	183.4
177.5°	183.8	183.1	183.4	184.1
180°	183.8	183.8	183.8	183.8

(END OF REPORT)