

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: P1029251

Luminaire Tested: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029251
REPORT IS A COMBINATION OF REPORTS P985309 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_3500K
Description: Define 2 Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

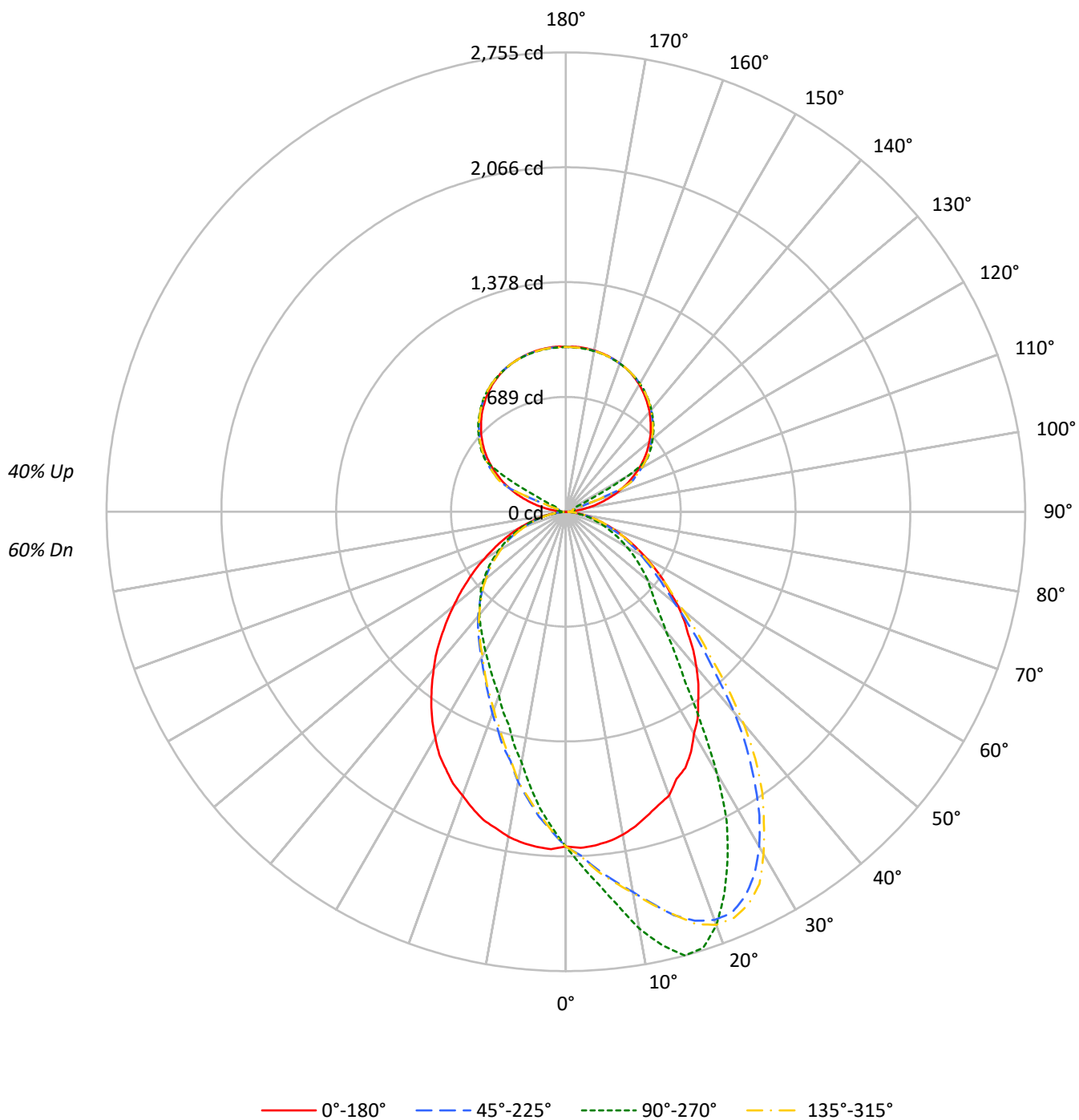
Lumens per Lamp: N/A
Luminaire Lumens: 7327.0 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 84.5
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	102	102	102	102	89	89	89	77	77	77	66	66	66
1	101	97	93	89	94	90	87	84	79	77	75	69	67	65	59	58	57
2	92	85	79	74	86	80	75	70	70	66	63	61	58	55	53	51	49
3	85	75	68	62	79	71	64	59	62	57	53	54	51	48	47	44	42
4	78	67	59	53	72	63	56	51	56	50	46	49	45	41	43	39	37
5	72	60	52	46	67	57	50	44	50	45	40	44	40	36	39	35	32
6	66	54	46	41	62	51	44	39	46	40	35	40	36	32	35	32	29
7	61	49	41	36	57	47	39	34	42	36	32	37	32	29	32	29	26
8	57	45	37	32	53	43	36	31	38	32	28	34	29	26	30	26	23
9	53	41	34	29	50	39	32	28	35	29	26	31	27	23	28	24	21
10	50	38	31	26	47	36	29	25	32	27	23	29	25	21	26	22	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	31769	31769	31769	31769
5°	31845	33874	31967	26949
10°	31476	36978	31673	22219
15°	30711	39004	31139	18715
20°	30233	36622	30233	16267
25°	29270	31461	29403	14546
30°	27685	24732	28213	13176
35°	26279	17101	26719	12055
40°	24665	12912	24947	11162
45°	22674	10611	23046	10198
50°	20953	9313	20991	9335
55°	18991	7935	19113	8399
60°	16899	6629	17133	7330
65°	15027	5391	15300	6259
70°	13161	4230	13494	5049
75°	11048	3070	11479	3662
80°	8622	1947	9237	2174
85°	5664	981	6102	727

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 32840 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.2	2.6
10°-20°	556.4	7.6
20°-30°	807.5	11.0
30°-40°	851.2	11.6
40°-50°	753.3	10.3
50°-60°	601.5	8.2
60°-70°	408.5	5.6
70°-80°	209.0	2.9
80°-90°	51.1	0.7
90°-100°	32.6	0.4
100°-110°	121.5	1.7
110°-120°	322.2	4.4
120°-130°	534.4	7.3
130°-140°	567.6	7.7
140°-150°	527.5	7.2
150°-160°	424.1	5.8
160°-170°	273.3	3.7
170°-180°	94.1	1.3
0°-30°	1555.0	21.2
0°-40°	2406.3	32.8
0°-60°	3761.0	51.3
0°-90°	4429.7	60.5
90°-120°	476.3	6.5
90°-150°	2105.8	28.7
90°-180°	2897.0	39.5
0°-180°	7327.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2007	2007	2007	2007	2007	
5°	2008	2242	2016	1783	2008	190
15°	1887	2755	1913	1322	1887	533
25°	1695	2295	1703	1061	1695	775
35°	1384	1250	1407	881	1384	866
45°	1038	753	1055	724	1038	805
55°	713	529	717	560	713	636
65°	423	326	430	378	423	420
75°	198	160	205	191	198	212
85°	40	42	43	31	40	47
90°	1	19	1	19	1	5
95°	46	31	46	31	46	55
105°	217	54	217	54	217	232
115°	411	59	411	59	411	405
125°	581	611	581	611	581	519
135°	719	743	719	743	719	556
145°	834	847	834	847	834	522
155°	919	920	919	920	919	423
165°	968	966	968	966	968	274
175°	990	985	990	985	990	94
180°	988	988	988	988	988	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
2.5°	2017.8	2022.4	2030.1	2031.7	2047.1	2059.4	2073.3	2073.3	2077.9	2076.4	2064.1
5°	2008.5	2022.4	2042.5	2059.4	2087.2	2099.5	2118.0	2131.9	2144.3	2153.5	2152.0
7.5°	1993.1	2017.8	2047.1	2079.5	2116.5	2138.1	2164.3	2189.0	2206.0	2221.4	2232.2
10°	1966.9	2008.5	2048.6	2091.8	2139.6	2169.0	2199.8	2232.2	2258.4	2287.7	2315.5
12.5°	1931.4	1991.5	2040.9	2098.0	2156.6	2189.0	2238.4	2263.1	2314.0	2388.0	2408.1
15°	1886.6	1968.4	2014.7	2087.2	2164.3	2190.6	2258.4	2298.5	2403.4	2449.7	2505.2
17.5°	1845.0	1936.0	1997.7	2081.0	2156.6	2207.5	2273.9	2355.6	2443.5	2509.9	2571.6
20°	1811.1	1899.0	1973.0	2065.6	2161.2	2226.0	2295.4	2394.2	2489.8	2557.7	2605.5
22.5°	1733.9	1846.5	1932.9	2036.3	2152.0	2241.5	2307.8	2415.8	2519.1	2560.8	2602.4
25°	1695.4	1792.5	1892.8	2010.1	2145.8	2252.3	2309.3	2429.7	2520.7	2536.1	2545.4
27.5°	1624.4	1733.9	1851.2	1985.4	2144.3	2233.7	2306.2	2415.8	2488.3	2477.5	2449.7
30°	1536.5	1670.7	1800.3	1945.3	2122.7	2219.9	2287.7	2388.0	2425.0	2369.5	2320.1
32.5°	1471.7	1598.2	1741.6	1909.8	2098.0	2190.6	2256.9	2335.6	2343.3	2243.0	2159.7
35°	1383.7	1524.1	1686.1	1863.5	2056.3	2139.6	2201.3	2249.2	2212.1	2071.8	1973.0
37.5°	1305.1	1443.9	1616.7	1797.2	1999.3	2081.0	2130.4	2138.1	2047.1	1923.7	1778.7
40°	1218.7	1362.2	1542.6	1732.4	1936.0	2007.0	2037.8	2014.7	1883.6	1740.1	1572.0
42.5°	1132.3	1274.2	1468.6	1663.0	1855.8	1916.0	1928.3	1865.1	1704.6	1536.5	1342.1
45°	1038.2	1186.3	1380.7	1576.6	1763.2	1797.2	1798.7	1707.7	1518.0	1342.1	1161.6
47.5°	961.1	1098.4	1291.2	1487.1	1644.5	1667.6	1658.3	1553.4	1346.7	1149.3	991.9
50°	876.2	1007.3	1198.6	1391.5	1525.7	1531.8	1508.7	1359.1	1157.0	976.5	851.5
52.5°	785.2	917.9	1093.7	1278.8	1399.2	1389.9	1345.2	1184.7	995.0	845.4	749.7
55°	712.7	829.9	995.0	1175.5	1260.3	1234.1	1184.7	1021.2	871.6	745.1	661.8
57.5°	632.5	735.8	897.8	1055.2	1104.5	1079.8	1030.5	877.8	738.9	643.3	587.7
60°	556.9	651.0	792.9	924.0	962.6	936.4	879.3	742.0	641.7	561.5	519.9
62.5°	487.5	569.2	688.0	808.3	823.8	797.5	748.2	637.1	550.7	487.5	456.6
65°	422.7	499.8	595.5	686.5	700.4	672.6	621.7	541.5	469.0	428.9	399.5
67.5°	359.4	421.1	506.0	572.3	580.0	553.8	512.2	447.4	402.6	359.4	337.8
70°	303.9	350.2	416.5	470.5	473.6	448.9	427.3	368.7	334.8	303.9	286.9
72.5°	249.9	282.3	333.2	373.3	374.9	359.4	339.4	302.4	273.0	251.5	234.5
75°	197.5	225.2	256.1	291.6	290.0	277.7	262.2	239.1	214.4	200.5	192.8
77.5°	151.2	168.1	192.8	216.0	216.0	209.8	200.5	183.6	168.1	154.3	146.6
80°	108.0	118.8	138.8	146.6	149.6	148.1	140.4	128.0	121.9	111.1	108.0
82.5°	69.4	77.1	86.4	94.1	98.7	95.6	94.1	87.9	78.7	75.6	72.5
85°	40.1	43.2	47.8	52.4	54.0	52.4	55.5	50.9	46.3	46.3	44.7
87.5°	17.0	18.5	21.6	21.6	23.1	23.1	21.6	23.1	23.1	21.6	20.1
90°	0.7	2.5	4.2	6.0	7.7	8.6	9.2	10.5	11.8	13.0	14.3
92.5°	17.9	17.3	16.6	16.0	15.3	15.0	15.2	15.7	16.2	16.7	17.2
95°	46.5	41.3	36.0	30.8	25.5	22.9	23.5	24.6	25.7	26.8	27.9
97.5°	83.7	70.7	57.6	44.6	31.5	25.0	26.3	28.8	31.4	33.9	36.5
100°	126.6	104.8	83.0	61.3	39.5	28.6	30.0	32.7	35.4	38.1	40.8
102.5°	173.8	173.5	173.1	172.8	172.5	172.3	157.8	128.9	100.0	71.1	42.2
105°	217.4	222.2	226.9	231.7	236.4	238.8	217.1	173.7	130.4	87.0	43.6
107.5°	268.2	272.2	276.1	280.1	284.0	286.0	259.2	205.7	152.2	98.6	45.1
110°	316.8	320.1	323.5	326.8	330.1	331.8	308.8	262.9	217.0	171.0	125.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	362.6	365.4	368.3	371.1	374.0	375.4	374.1	371.4	368.7	366.0	363.3
115°	411.2	413.9	416.6	419.3	422.0	423.3	425.3	429.3	433.2	437.2	441.2
117.5°	453.4	456.6	459.8	462.9	466.1	467.7	469.0	471.7	474.4	477.1	479.8
120°	500.6	503.0	505.4	507.7	510.1	511.3	512.7	515.6	518.5	521.3	524.2
122.5°	540.6	543.2	545.7	548.3	550.8	552.1	553.7	556.9	560.0	563.2	566.4
125°	581.4	583.5	585.5	587.6	589.7	590.7	592.2	595.2	598.3	601.3	604.3
127.5°	618.6	620.8	623.0	625.3	627.5	628.6	629.8	632.2	634.5	636.9	639.3
130°	653.6	656.1	658.7	661.2	663.7	665.0	665.9	667.6	669.4	671.1	672.9
132.5°	689.4	691.5	693.5	695.6	697.7	698.7	699.6	701.3	703.0	704.8	706.5
135°	719.4	721.9	724.5	727.0	729.5	730.8	731.5	733.0	734.4	735.9	737.3
137.5°	750.9	752.8	754.7	756.6	758.5	759.4	760.2	761.8	763.4	765.0	766.6
140°	781.6	782.9	784.1	785.4	786.7	787.3	788.2	789.9	791.7	793.4	795.2
142.5°	807.3	808.4	809.6	810.7	811.8	812.4	813.4	815.5	817.6	819.6	821.7
145°	834.5	834.3	834.2	834.0	833.9	833.8	835.2	837.9	840.6	843.3	846.0
147.5°	858.1	857.6	857.2	856.7	856.2	856.0	857.3	860.0	862.7	865.4	868.1
150°	881.0	879.9	878.8	877.7	876.6	876.0	877.3	879.8	882.3	884.9	887.4
152.5°	900.3	899.0	897.8	896.5	895.2	894.6	895.8	898.2	900.5	902.9	905.3
155°	918.9	917.5	916.1	914.6	913.2	912.5	913.5	915.4	917.3	919.2	921.1
157.5°	933.9	932.6	931.4	930.1	928.8	928.2	928.9	930.3	931.8	933.2	934.6
160°	946.8	945.8	944.9	943.9	943.0	942.5	943.0	943.9	944.9	945.8	946.8
162.5°	958.2	957.2	956.3	955.3	954.4	953.9	954.3	955.1	955.9	956.7	957.5
165°	968.2	967.3	966.3	965.4	964.5	964.0	964.2	964.7	965.2	965.6	966.1
167.5°	976.1	975.1	974.2	973.2	972.3	971.8	972.0	972.5	973.0	973.5	974.0
170°	982.5	981.6	980.6	979.7	978.8	978.3	978.5	978.8	979.1	979.4	979.7
172.5°	986.8	985.8	984.9	983.9	983.0	982.5	982.7	983.0	983.3	983.7	984.0
175°	990.4	989.3	988.2	987.1	986.0	985.4	985.6	985.9	986.2	986.5	986.8
177.5°	991.8	990.7	989.6	988.5	987.4	986.8	986.9	987.1	987.2	987.4	987.6
180°	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
2.5°	2085.7	2087.2	2090.3	2105.7	2113.4	2115.0	2108.8	2122.7	2127.3	2122.7	2119.6
5°	2184.4	2193.6	2212.1	2232.2	2230.7	2232.2	2241.5	2250.7	2253.8	2241.5	2246.1
7.5°	2270.8	2289.3	2309.3	2340.2	2340.2	2355.6	2361.8	2369.5	2388.0	2378.8	2375.7
10°	2369.5	2394.2	2431.2	2480.6	2482.1	2497.5	2513.0	2537.6	2545.4	2539.2	2542.3
12.5°	2492.9	2540.7	2543.8	2597.8	2622.5	2625.6	2650.3	2645.6	2661.1	2661.1	2687.3
15°	2546.9	2620.9	2662.6	2715.0	2730.5	2712.0	2732.0	2753.6	2755.2	2755.2	2753.6
17.5°	2644.1	2673.4	2715.0	2742.8	2749.0	2749.0	2750.5	2759.8	2753.6	2741.3	2750.5
20°	2664.1	2676.5	2691.9	2688.8	2691.9	2676.5	2661.1	2645.6	2647.2	2639.5	2662.6
22.5°	2627.1	2624.0	2588.6	2565.4	2565.4	2534.6	2505.2	2491.4	2477.5	2482.1	2489.8
25°	2534.6	2486.7	2443.5	2409.6	2401.9	2352.5	2312.4	2300.1	2276.9	2295.4	2298.5
27.5°	2386.5	2332.5	2263.1	2233.7	2193.6	2173.6	2145.8	2108.8	2061.0	2088.7	2084.1
30°	2227.6	2147.4	2090.3	2019.3	1956.1	1951.4	1899.0	1837.3	1812.6	1812.6	1826.5
32.5°	2050.2	1943.7	1860.4	1760.2	1698.4	1672.2	1609.0	1547.3	1561.2	1514.9	1531.8
35°	1843.5	1703.1	1598.2	1501.0	1454.7	1423.9	1342.1	1308.2	1271.1	1249.5	1289.6
37.5°	1646.0	1484.0	1349.8	1243.4	1226.4	1170.9	1115.3	1093.7	1072.1	1081.4	1079.8
40°	1405.3	1261.9	1141.6	1058.3	1028.9	1002.7	965.7	939.5	925.6	933.3	934.8
42.5°	1187.8	1067.5	978.0	919.4	894.7	876.2	857.7	836.1	831.5	831.5	837.7
45°	1019.7	921.0	860.8	813.0	799.1	785.2	771.3	762.1	759.0	752.8	757.4
47.5°	885.5	806.8	769.8	734.3	718.9	715.8	703.4	698.8	692.6	691.1	692.6
50°	772.9	723.5	689.6	669.5	658.7	654.1	647.9	638.7	635.6	643.3	640.2
52.5°	694.2	647.9	629.4	609.3	603.2	597.0	587.7	589.3	587.7	584.7	584.7
55°	615.5	586.2	567.7	552.3	550.7	544.6	536.8	533.8	532.2	529.1	533.8
57.5°	552.3	529.1	512.2	498.3	492.1	492.1	484.4	478.2	478.2	476.7	478.2
60°	489.0	465.9	455.1	441.2	436.6	435.0	430.4	427.3	422.7	422.7	422.7
62.5°	430.4	411.9	399.5	387.2	388.7	381.0	374.9	371.8	371.8	373.3	373.3
65°	374.9	362.5	347.1	336.3	333.2	331.7	328.6	327.0	322.4	325.5	325.5
67.5°	324.0	307.0	297.7	293.1	288.5	286.9	283.8	280.8	279.2	277.7	280.8
70°	273.0	259.2	251.5	248.4	243.7	242.2	240.7	236.0	237.6	239.1	240.7
72.5°	226.8	214.4	212.9	203.6	203.6	203.6	197.5	200.5	199.0	195.9	199.0
75°	178.9	172.8	169.7	165.1	166.6	165.1	163.5	158.9	158.9	160.4	162.0
77.5°	141.9	135.8	134.2	129.6	126.5	129.6	126.5	125.0	125.0	126.5	126.5
80°	104.9	101.8	97.2	97.2	97.2	95.6	95.6	95.6	94.1	92.6	94.1
82.5°	69.4	69.4	67.9	66.3	67.9	64.8	66.3	66.3	66.3	66.3	66.3
85°	44.7	43.2	43.2	41.7	41.7	41.7	43.2	40.1	40.1	41.7	41.7
87.5°	20.1	20.1	20.1	21.6	20.1	20.1	20.1	21.6	20.1	20.1	20.1
90°	15.1	15.9	16.7	17.5	17.9	18.1	18.4	18.7	19.0	19.3	19.0
92.5°	17.5	17.8	18.1	18.4	18.6	18.7	18.8	19.0	19.1	19.3	19.1
95°	28.7	29.5	30.3	31.1	31.5	31.4	31.2	31.1	30.9	30.7	30.9
97.5°	37.0	37.4	37.9	38.4	38.6	38.7	38.8	39.0	39.1	39.3	39.1
100°	42.1	43.3	44.6	45.9	46.5	46.7	47.0	47.3	47.6	47.9	47.6
102.5°	44.0	45.7	47.5	49.2	50.1	50.3	50.8	51.3	51.7	52.2	51.7
105°	45.4	47.1	48.9	50.6	51.5	51.8	52.4	53.1	53.7	54.3	53.7
107.5°	46.8	48.6	50.3	52.0	52.9	53.2	53.9	54.5	55.2	55.8	55.2
110°	109.2	93.3	77.4	61.5	53.6	53.9	54.6	55.2	55.9	56.5	55.9

TEST NUMBER: P1029251

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	294.8	226.3	157.8	89.3	55.1	55.3	55.8	56.3	56.7	57.2	56.7
115°	367.6	294.0	220.5	146.9	110.1	104.4	92.9	81.5	70.0	58.6	70.0
117.5°	457.1	434.4	411.7	389.0	377.6	356.8	315.1	273.5	231.8	190.2	231.8
120°	526.1	528.0	529.9	531.8	532.8	522.1	500.6	479.1	457.7	436.2	457.7
122.5°	567.4	568.3	569.3	570.2	570.7	570.8	570.9	571.1	571.2	571.4	571.2
125°	605.4	606.5	607.6	608.7	609.3	609.5	610.0	610.5	610.9	611.4	610.9
127.5°	640.9	642.5	644.1	645.7	646.5	646.6	646.7	646.9	647.0	647.2	647.0
130°	674.7	676.4	678.2	679.9	680.8	680.7	680.6	680.4	680.3	680.1	680.3
132.5°	707.9	709.4	710.8	712.3	713.0	712.9	712.7	712.6	712.4	712.2	712.4
135°	738.9	740.5	742.0	743.6	744.4	744.2	743.9	743.6	743.3	743.0	743.3
137.5°	768.2	769.8	771.3	772.9	773.7	773.5	773.0	772.5	772.1	771.6	772.1
140°	796.6	798.0	799.5	800.9	801.6	801.2	800.4	799.7	798.9	798.1	798.9
142.5°	823.0	824.2	825.5	826.8	827.4	827.0	826.2	825.4	824.6	823.8	824.6
145°	847.1	848.2	849.3	850.4	851.0	850.6	849.8	849.0	848.2	847.4	848.2
147.5°	868.9	869.7	870.5	871.3	871.7	871.4	870.7	870.1	869.4	868.8	869.4
150°	888.4	889.3	890.3	891.2	891.7	891.3	890.5	889.8	889.0	888.2	889.0
152.5°	906.3	907.2	908.2	909.1	909.6	909.0	907.9	906.8	905.7	904.6	905.7
155°	922.0	923.0	923.9	924.8	925.3	924.7	923.4	922.1	920.9	919.6	920.9
157.5°	935.7	936.8	937.9	939.0	939.6	939.0	937.7	936.4	935.2	933.9	935.2
160°	947.8	948.7	949.7	950.6	951.1	950.5	949.4	948.3	947.2	946.1	947.2
162.5°	958.6	959.7	960.8	961.9	962.5	961.8	960.4	958.9	957.5	956.1	957.5
165°	967.2	968.3	969.4	970.5	971.1	970.5	969.4	968.3	967.2	966.1	967.2
167.5°	975.1	976.2	977.3	978.4	979.0	978.3	976.8	975.4	973.9	972.5	973.9
170°	980.8	981.9	983.0	984.1	984.7	984.0	982.6	981.1	979.7	978.3	979.7
172.5°	985.1	986.2	987.3	988.4	989.0	988.3	986.8	985.4	983.9	982.5	983.9
175°	987.9	989.0	990.1	991.2	991.8	991.0	989.4	987.9	986.3	984.7	986.3
177.5°	988.7	989.8	990.9	992.0	992.6	991.9	990.4	989.0	987.5	986.1	987.5
180°	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3

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CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
2.5°	2127.3	2116.5	2107.2	2108.8	2116.5	2110.3	2094.9	2074.9	2067.1	2057.9	2067.1
5°	2255.3	2246.1	2227.6	2229.1	2224.5	2218.3	2193.6	2162.8	2162.8	2138.1	2135.0
7.5°	2381.8	2368.0	2355.6	2352.5	2335.6	2323.2	2301.6	2258.4	2241.5	2212.1	2195.2
10°	2523.8	2513.0	2499.1	2482.1	2472.9	2451.3	2415.8	2352.5	2321.7	2281.6	2252.3
12.5°	2667.2	2665.7	2634.8	2600.9	2599.3	2565.4	2540.7	2455.9	2414.2	2360.2	2290.8
15°	2758.2	2750.5	2733.6	2716.6	2721.2	2684.2	2628.7	2528.4	2500.6	2435.8	2361.8
17.5°	2756.7	2756.7	2752.1	2749.0	2744.4	2733.6	2702.7	2636.4	2591.6	2509.9	2440.5
20°	2668.8	2688.8	2693.5	2691.9	2707.3	2715.0	2713.5	2671.9	2636.4	2563.9	2492.9
22.5°	2492.9	2539.2	2559.2	2571.6	2604.0	2620.9	2661.1	2645.6	2636.4	2582.4	2522.2
25°	2329.4	2344.8	2405.0	2408.1	2452.8	2494.5	2534.6	2560.8	2594.7	2574.7	2523.8
27.5°	2118.0	2153.5	2196.7	2229.1	2238.4	2323.2	2389.6	2438.9	2516.0	2522.2	2505.2
30°	1878.9	1895.9	1966.9	2010.1	2059.4	2121.1	2216.8	2301.6	2371.0	2434.3	2455.9
32.5°	1587.4	1656.8	1698.4	1750.9	1794.1	1903.6	2020.9	2130.4	2210.6	2317.0	2363.3
35°	1320.5	1374.5	1445.5	1467.1	1545.7	1638.3	1791.0	1931.4	2053.3	2161.2	2255.3
37.5°	1099.9	1143.1	1218.7	1252.6	1298.9	1417.7	1545.7	1720.0	1866.6	1999.3	2116.5
40°	948.7	981.1	1038.2	1049.0	1087.6	1195.5	1298.9	1462.4	1656.8	1835.7	1963.8
42.5°	845.4	860.8	899.4	913.2	937.9	1010.4	1103.0	1257.3	1437.7	1622.9	1803.3
45°	771.3	782.1	805.3	817.6	848.5	880.8	956.4	1079.8	1221.8	1408.4	1602.8
47.5°	705.0	718.9	728.1	735.8	752.8	788.3	837.7	928.7	1064.4	1235.7	1423.9
50°	649.5	654.1	671.0	672.6	683.4	706.5	752.8	808.3	916.3	1055.2	1237.2
52.5°	593.9	598.5	609.3	620.1	624.8	643.3	674.1	720.4	800.6	910.2	1072.1
55°	538.4	544.6	555.4	563.1	567.7	583.1	601.6	646.4	709.6	786.7	919.4
57.5°	482.8	496.7	499.8	504.4	512.2	529.1	546.1	572.3	621.7	692.6	789.8
60°	430.4	435.0	445.8	450.5	458.2	467.4	489.0	509.1	544.6	600.1	688.0
62.5°	376.4	387.2	391.8	396.5	402.6	413.4	427.3	448.9	479.8	524.5	593.9
65°	330.1	331.7	340.9	347.1	353.3	361.0	374.9	394.9	413.4	455.1	506.0
67.5°	285.4	288.5	291.6	297.7	305.4	313.2	325.5	336.3	359.4	387.2	427.3
70°	242.2	242.2	249.9	254.5	253.0	262.2	271.5	283.8	300.8	327.0	359.4
72.5°	203.6	202.1	208.3	209.8	212.9	219.1	225.2	237.6	246.8	266.9	291.6
75°	162.0	165.1	168.1	168.1	172.8	177.4	183.6	189.7	200.5	212.9	231.4
77.5°	128.0	128.0	131.1	132.7	137.3	135.8	141.9	148.1	155.8	166.6	180.5
80°	94.1	97.2	97.2	97.2	98.7	100.3	106.4	111.1	115.7	123.4	129.6
82.5°	66.3	66.3	69.4	69.4	69.4	72.5	72.5	74.0	77.1	81.8	86.4
85°	41.7	41.7	41.7	43.2	41.7	43.2	46.3	44.7	46.3	49.4	49.4
87.5°	20.1	20.1	20.1	20.1	20.1	21.6	20.1	21.6	23.1	23.1	23.1
90°	18.7	18.4	18.1	17.9	17.5	16.7	15.9	15.1	14.3	13.0	11.8
92.5°	19.0	18.8	18.7	18.6	18.4	18.1	17.8	17.5	17.2	16.7	16.2
95°	31.1	31.2	31.4	31.5	31.1	30.3	29.5	28.7	27.9	26.8	25.7
97.5°	39.0	38.8	38.7	38.6	38.4	37.9	37.4	37.0	36.5	33.9	31.4
100°	47.3	47.0	46.7	46.5	45.9	44.6	43.3	42.1	40.8	38.1	35.4
102.5°	51.3	50.8	50.3	50.1	49.2	47.5	45.7	44.0	42.2	71.1	100.0
105°	53.1	52.4	51.8	51.5	50.6	48.9	47.1	45.4	43.6	87.0	130.4
107.5°	54.5	53.9	53.2	52.9	52.0	50.3	48.6	46.8	45.1	98.6	152.2
110°	55.2	54.6	53.9	53.6	61.5	77.4	93.3	109.2	125.1	171.0	217.0

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	56.3	55.8	55.3	55.1	89.3	157.8	226.3	294.8	363.3	366.0	368.7
115°	81.5	92.9	104.4	110.1	146.9	220.5	294.0	367.6	441.2	437.2	433.2
117.5°	273.5	315.1	356.8	377.6	389.0	411.7	434.4	457.1	479.8	477.1	474.4
120°	479.1	500.6	522.1	532.8	531.8	529.9	528.0	526.1	524.2	521.3	518.5
122.5°	571.1	570.9	570.8	570.7	570.2	569.3	568.3	567.4	566.4	563.2	560.0
125°	610.5	610.0	609.5	609.3	608.7	607.6	606.5	605.4	604.3	601.3	598.3
127.5°	646.9	646.7	646.6	646.5	645.7	644.1	642.5	640.9	639.3	636.9	634.5
130°	680.4	680.6	680.7	680.8	679.9	678.2	676.4	674.7	672.9	671.1	669.4
132.5°	712.6	712.7	712.9	713.0	712.3	710.8	709.4	707.9	706.5	704.8	703.0
135°	743.6	743.9	744.2	744.4	743.6	742.0	740.5	738.9	737.3	735.9	734.4
137.5°	772.5	773.0	773.5	773.7	772.9	771.3	769.8	768.2	766.6	765.0	763.4
140°	799.7	800.4	801.2	801.6	800.9	799.5	798.0	796.6	795.2	793.4	791.7
142.5°	825.4	826.2	827.0	827.4	826.8	825.5	824.2	823.0	821.7	819.6	817.6
145°	849.0	849.8	850.6	851.0	850.4	849.3	848.2	847.1	846.0	843.3	840.6
147.5°	870.1	870.7	871.4	871.7	871.3	870.5	869.7	868.9	868.1	865.4	862.7
150°	889.8	890.5	891.3	891.7	891.2	890.3	889.3	888.4	887.4	884.9	882.3
152.5°	906.8	907.9	909.0	909.6	909.1	908.2	907.2	906.3	905.3	902.9	900.5
155°	922.1	923.4	924.7	925.3	924.8	923.9	923.0	922.0	921.1	919.2	917.3
157.5°	936.4	937.7	939.0	939.6	939.0	937.9	936.8	935.7	934.6	933.2	931.8
160°	948.3	949.4	950.5	951.1	950.6	949.7	948.7	947.8	946.8	945.8	944.9
162.5°	958.9	960.4	961.8	962.5	961.9	960.8	959.7	958.6	957.5	956.7	955.9
165°	968.3	969.4	970.5	971.1	970.5	969.4	968.3	967.2	966.1	965.6	965.2
167.5°	975.4	976.8	978.3	979.0	978.4	977.3	976.2	975.1	974.0	973.5	973.0
170°	981.1	982.6	984.0	984.7	984.1	983.0	981.9	980.8	979.7	979.4	979.1
172.5°	985.4	986.8	988.3	989.0	988.4	987.3	986.2	985.1	984.0	983.7	983.3
175°	987.9	989.4	991.0	991.8	991.2	990.1	989.0	987.9	986.8	986.5	986.2
177.5°	989.0	990.4	991.9	992.6	992.0	990.9	989.8	988.7	987.6	987.4	987.2
180°	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
2.5°	2059.4	2051.7	2047.1	2050.2	2040.9	2017.8	2017.8	2025.5	2016.2	2007.0	1993.1
5°	2116.5	2101.1	2091.8	2090.3	2068.7	2031.7	2023.9	2016.2	1996.2	1974.6	1951.4
7.5°	2172.0	2144.3	2128.8	2118.0	2087.2	2039.4	2019.3	2002.3	1970.0	1937.6	1908.2
10°	2218.3	2178.2	2159.7	2142.7	2102.6	2042.5	2010.1	1979.2	1937.6	1895.9	1858.9
12.5°	2255.3	2209.1	2185.9	2161.2	2111.9	2033.2	1993.1	1943.7	1902.1	1846.5	1809.5
15°	2317.0	2221.4	2199.8	2176.7	2125.8	2017.8	1968.4	1912.9	1855.8	1781.8	1741.6
17.5°	2366.4	2238.4	2236.8	2187.5	2121.1	2011.6	1936.0	1863.5	1801.8	1727.8	1664.5
20°	2395.7	2264.6	2239.9	2189.0	2105.7	1970.0	1891.3	1811.1	1744.7	1655.3	1592.0
22.5°	2420.4	2301.6	2236.8	2175.1	2073.3	1956.1	1840.4	1764.8	1673.8	1576.6	1516.4
25°	2429.7	2309.3	2241.5	2170.5	2050.2	1916.0	1784.8	1703.1	1601.3	1513.3	1431.6
27.5°	2431.2	2307.8	2224.5	2150.4	2017.8	1863.5	1729.3	1642.9	1530.3	1428.5	1346.7
30°	2415.8	2290.8	2215.2	2135.0	1986.9	1815.7	1661.4	1565.8	1445.5	1343.6	1258.8
32.5°	2369.5	2256.9	2195.2	2107.2	1946.8	1749.4	1596.6	1490.2	1363.7	1263.4	1181.7
35°	2292.4	2215.2	2147.4	2065.6	1894.4	1687.6	1531.8	1406.9	1278.8	1183.2	1106.1
37.5°	2196.7	2155.1	2091.8	2011.6	1834.2	1632.1	1459.3	1320.5	1192.5	1099.9	1024.3
40°	2067.1	2077.9	2016.2	1943.7	1763.2	1556.5	1365.2	1232.6	1112.2	1025.9	951.8
42.5°	1926.8	1971.5	1936.0	1866.6	1684.6	1473.2	1295.8	1149.3	1032.0	942.6	880.8
45°	1775.6	1852.7	1831.1	1780.2	1602.8	1385.3	1197.1	1055.2	951.8	865.4	811.4
47.5°	1610.5	1720.0	1720.0	1683.0	1511.8	1297.4	1112.2	967.2	865.4	803.7	751.3
50°	1442.4	1565.8	1585.8	1561.2	1410.0	1197.1	1008.9	877.8	789.8	729.7	691.1
52.5°	1266.5	1410.0	1447.0	1434.7	1302.0	1101.4	924.0	796.0	715.8	663.3	629.4
55°	1098.4	1265.0	1305.1	1309.7	1186.3	996.5	829.9	717.3	640.2	604.7	575.4
57.5°	939.5	1099.9	1144.6	1152.4	1069.1	900.9	742.0	643.3	573.9	544.6	521.4
60°	803.7	937.9	996.5	1013.5	941.0	789.8	660.3	564.6	512.2	484.4	462.8
62.5°	692.6	800.6	862.3	867.0	834.6	692.6	575.4	495.2	450.5	425.8	415.0
65°	584.7	681.8	718.9	737.4	711.2	600.1	496.7	430.4	394.9	373.3	362.5
67.5°	498.3	560.0	590.8	615.5	589.3	506.0	422.7	368.7	342.5	320.9	314.7
70°	408.8	459.7	482.8	507.5	484.4	421.1	361.0	311.6	288.5	271.5	263.8
72.5°	327.0	367.1	388.7	404.2	390.3	337.8	288.5	254.5	237.6	225.2	220.6
75°	259.2	286.9	299.3	310.1	303.9	263.8	232.9	205.2	189.7	178.9	175.9
77.5°	197.5	217.5	231.4	234.5	226.8	200.5	174.3	157.3	145.0	138.8	135.8
80°	140.4	152.7	160.4	165.1	157.3	146.6	128.0	115.7	104.9	97.2	95.6
82.5°	94.1	100.3	106.4	104.9	101.8	92.6	81.8	75.6	71.0	64.8	64.8
85°	54.0	55.5	58.6	60.2	58.6	52.4	46.3	43.2	40.1	35.5	35.5
87.5°	23.1	24.7	24.7	26.2	23.1	23.1	20.1	17.0	17.0	15.4	13.9
90°	10.5	9.2	8.6	7.7	6.0	4.2	2.5	0.7	2.5	4.2	6.0
92.5°	15.7	15.2	15.0	15.3	16.0	16.6	17.3	17.9	17.3	16.6	16.0
95°	24.6	23.5	22.9	25.5	30.8	36.0	41.3	46.5	41.3	36.0	30.8
97.5°	28.8	26.3	25.0	31.5	44.6	57.6	70.7	83.7	70.7	57.6	44.6
100°	32.7	30.0	28.6	39.5	61.3	83.0	104.8	126.6	104.8	83.0	61.3
102.5°	128.9	157.8	172.3	172.5	172.8	173.1	173.5	173.8	173.5	173.1	172.8
105°	173.7	217.1	238.8	236.4	231.7	226.9	222.2	217.4	222.2	226.9	231.7
107.5°	205.7	259.2	286.0	284.0	280.1	276.1	272.2	268.2	272.2	276.1	280.1
110°	262.9	308.8	331.8	330.1	326.8	323.5	320.1	316.8	320.1	323.5	326.8

TEST NUMBER: P1029251

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	371.4	374.1	375.4	374.0	371.1	368.3	365.4	362.6	365.4	368.3	371.1
115°	429.3	425.3	423.3	422.0	419.3	416.6	413.9	411.2	413.9	416.6	419.3
117.5°	471.7	469.0	467.7	466.1	462.9	459.8	456.6	453.4	456.6	459.8	462.9
120°	515.6	512.7	511.3	510.1	507.7	505.4	503.0	500.6	503.0	505.4	507.7
122.5°	556.9	553.7	552.1	550.8	548.3	545.7	543.2	540.6	543.2	545.7	548.3
125°	595.2	592.2	590.7	589.7	587.6	585.5	583.5	581.4	583.5	585.5	587.6
127.5°	632.2	629.8	628.6	627.5	625.3	623.0	620.8	618.6	620.8	623.0	625.3
130°	667.6	665.9	665.0	663.7	661.2	658.7	656.1	653.6	656.1	658.7	661.2
132.5°	701.3	699.6	698.7	697.7	695.6	693.5	691.5	689.4	691.5	693.5	695.6
135°	733.0	731.5	730.8	729.5	727.0	724.5	721.9	719.4	721.9	724.5	727.0
137.5°	761.8	760.2	759.4	758.5	756.6	754.7	752.8	750.9	752.8	754.7	756.6
140°	789.9	788.2	787.3	786.7	785.4	784.1	782.9	781.6	782.9	784.1	785.4
142.5°	815.5	813.4	812.4	811.8	810.7	809.6	808.4	807.3	808.4	809.6	810.7
145°	837.9	835.2	833.8	833.9	834.0	834.2	834.3	834.5	834.3	834.2	834.0
147.5°	860.0	857.3	856.0	856.2	856.7	857.2	857.6	858.1	857.6	857.2	856.7
150°	879.8	877.3	876.0	876.6	877.7	878.8	879.9	881.0	879.9	878.8	877.7
152.5°	898.2	895.8	894.6	895.2	896.5	897.8	899.0	900.3	899.0	897.8	896.5
155°	915.4	913.5	912.5	913.2	914.6	916.1	917.5	918.9	917.5	916.1	914.6
157.5°	930.3	928.9	928.2	928.8	930.1	931.4	932.6	933.9	932.6	931.4	930.1
160°	943.9	943.0	942.5	943.0	943.9	944.9	945.8	946.8	945.8	944.9	943.9
162.5°	955.1	954.3	953.9	954.4	955.3	956.3	957.2	958.2	957.2	956.3	955.3
165°	964.7	964.2	964.0	964.5	965.4	966.3	967.3	968.2	967.3	966.3	965.4
167.5°	972.5	972.0	971.8	972.3	973.2	974.2	975.1	976.1	975.1	974.2	973.2
170°	978.8	978.5	978.3	978.8	979.7	980.6	981.6	982.5	981.6	980.6	979.7
172.5°	983.0	982.7	982.5	983.0	983.9	984.9	985.8	986.8	985.8	984.9	983.9
175°	985.9	985.6	985.4	986.0	987.1	988.2	989.3	990.4	989.3	988.2	987.1
177.5°	987.1	986.9	986.8	987.4	988.5	989.6	990.7	991.8	990.7	989.6	988.5
180°	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3

TEST NUMBER: P1029251

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
2.5°	1985.4	1993.1	1991.5	1976.1	1959.2	1945.3	1919.0	1922.1	1912.9	1914.4	1923.7
5°	1936.0	1936.0	1929.8	1908.2	1880.5	1865.1	1835.7	1828.0	1809.5	1808.0	1806.4
7.5°	1883.6	1875.9	1868.1	1837.3	1803.3	1778.7	1738.6	1729.3	1710.8	1698.4	1692.3
10°	1821.9	1811.1	1795.6	1760.2	1718.5	1687.6	1646.0	1633.7	1598.2	1582.7	1573.5
12.5°	1754.0	1747.8	1723.1	1693.8	1625.9	1592.0	1531.8	1544.2	1508.7	1477.9	1473.2
15°	1686.1	1663.0	1649.1	1601.3	1519.5	1504.1	1456.3	1431.6	1399.2	1374.5	1374.5
17.5°	1619.8	1584.3	1553.4	1502.5	1442.4	1399.2	1363.7	1351.4	1311.2	1286.6	1281.9
20°	1531.8	1491.7	1484.0	1411.5	1369.9	1322.0	1288.1	1257.3	1227.9	1217.1	1209.4
22.5°	1448.5	1402.3	1389.9	1328.2	1286.6	1238.7	1204.8	1183.2	1161.6	1153.9	1140.0
25°	1359.1	1331.3	1312.8	1246.5	1200.2	1155.4	1132.3	1116.9	1096.8	1095.3	1086.0
27.5°	1272.7	1246.5	1227.9	1164.7	1130.8	1089.1	1070.6	1053.6	1042.8	1038.2	1033.6
30°	1198.6	1169.3	1147.7	1101.4	1059.8	1025.9	1010.4	999.6	993.5	985.7	984.2
32.5°	1116.9	1099.9	1070.6	1035.1	1002.7	970.3	961.1	953.4	944.1	941.0	939.5
35°	1047.5	1024.3	1005.8	965.7	951.8	924.0	913.2	907.1	894.7	891.6	888.6
37.5°	979.6	958.0	937.9	913.2	887.0	871.6	865.4	856.2	850.0	851.5	848.5
40°	911.7	894.7	879.3	853.1	837.7	829.9	817.6	808.3	805.3	806.8	805.3
42.5°	845.4	829.9	820.7	800.6	785.2	777.5	769.8	760.5	765.1	765.1	769.8
45°	785.2	771.3	765.1	749.7	740.5	728.1	720.4	718.9	725.0	723.5	723.5
47.5°	723.5	718.9	711.2	697.3	684.9	677.2	675.7	675.7	681.8	684.9	683.4
50°	675.7	666.4	657.2	646.4	637.1	634.0	629.4	632.5	638.7	638.7	641.7
52.5°	615.5	609.3	606.3	597.0	590.8	590.8	590.8	592.4	597.0	601.6	600.1
55°	563.1	558.4	555.4	550.7	543.0	544.6	543.0	546.1	550.7	555.4	558.4
57.5°	507.5	506.0	502.9	495.2	495.2	493.6	498.3	499.8	507.5	510.6	515.2
60°	458.2	453.5	453.5	447.4	447.4	447.4	452.0	456.6	462.8	464.3	467.4
62.5°	405.7	405.7	404.2	399.5	399.5	404.2	405.7	411.9	415.0	415.0	419.6
65°	356.4	354.8	353.3	354.8	356.4	356.4	361.0	364.1	367.1	368.7	370.2
67.5°	307.0	305.4	308.5	307.0	310.1	316.2	314.7	319.3	324.0	324.0	325.5
70°	260.7	263.8	262.2	265.3	263.8	266.9	271.5	273.0	273.0	274.6	279.2
72.5°	217.5	217.5	217.5	216.0	217.5	220.6	223.7	225.2	228.3	229.9	234.5
75°	175.9	175.9	172.8	175.9	175.9	178.9	182.0	182.0	182.0	185.1	189.7
77.5°	132.7	134.2	132.7	135.8	135.8	137.3	140.4	138.8	141.9	143.5	145.0
80°	97.2	95.6	95.6	95.6	97.2	97.2	100.3	101.8	101.8	106.4	103.4
82.5°	61.7	63.2	61.7	63.2	63.2	64.8	63.2	64.8	66.3	69.4	67.9
85°	35.5	33.9	33.9	35.5	33.9	33.9	35.5	33.9	35.5	33.9	35.5
87.5°	13.9	12.3	12.3	12.3	12.3	10.8	10.8	9.3	9.3	9.3	7.7
90°	7.7	8.6	9.2	10.5	11.8	13.0	14.3	15.1	15.9	16.7	17.5
92.5°	15.3	15.0	15.2	15.7	16.2	16.7	17.2	17.5	17.8	18.1	18.4
95°	25.5	22.9	23.5	24.6	25.7	26.8	27.9	28.7	29.5	30.3	31.1
97.5°	31.5	25.0	26.3	28.8	31.4	33.9	36.5	37.0	37.4	37.9	38.4
100°	39.5	28.6	30.0	32.7	35.4	38.1	40.8	42.1	43.3	44.6	45.9
102.5°	172.5	172.3	157.8	128.9	100.0	71.1	42.2	44.0	45.7	47.5	49.2
105°	236.4	238.8	217.1	173.7	130.4	87.0	43.6	45.4	47.1	48.9	50.6
107.5°	284.0	286.0	259.2	205.7	152.2	98.6	45.1	46.8	48.6	50.3	52.0
110°	330.1	331.8	308.8	262.9	217.0	171.0	125.1	109.2	93.3	77.4	61.5

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CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	374.0	375.4	374.1	371.4	368.7	366.0	363.3	294.8	226.3	157.8	89.3
115°	422.0	423.3	425.3	429.3	433.2	437.2	441.2	367.6	294.0	220.5	146.9
117.5°	466.1	467.7	469.0	471.7	474.4	477.1	479.8	457.1	434.4	411.7	389.0
120°	510.1	511.3	512.7	515.6	518.5	521.3	524.2	526.1	528.0	529.9	531.8
122.5°	550.8	552.1	553.7	556.9	560.0	563.2	566.4	567.4	568.3	569.3	570.2
125°	589.7	590.7	592.2	595.2	598.3	601.3	604.3	605.4	606.5	607.6	608.7
127.5°	627.5	628.6	629.8	632.2	634.5	636.9	639.3	640.9	642.5	644.1	645.7
130°	663.7	665.0	665.9	667.6	669.4	671.1	672.9	674.7	676.4	678.2	679.9
132.5°	697.7	698.7	699.6	701.3	703.0	704.8	706.5	707.9	709.4	710.8	712.3
135°	729.5	730.8	731.5	733.0	734.4	735.9	737.3	738.9	740.5	742.0	743.6
137.5°	758.5	759.4	760.2	761.8	763.4	765.0	766.6	768.2	769.8	771.3	772.9
140°	786.7	787.3	788.2	789.9	791.7	793.4	795.2	796.6	798.0	799.5	800.9
142.5°	811.8	812.4	813.4	815.5	817.6	819.6	821.7	823.0	824.2	825.5	826.8
145°	833.9	833.8	835.2	837.9	840.6	843.3	846.0	847.1	848.2	849.3	850.4
147.5°	856.2	856.0	857.3	860.0	862.7	865.4	868.1	868.9	869.7	870.5	871.3
150°	876.6	876.0	877.3	879.8	882.3	884.9	887.4	888.4	889.3	890.3	891.2
152.5°	895.2	894.6	895.8	898.2	900.5	902.9	905.3	906.3	907.2	908.2	909.1
155°	913.2	912.5	913.5	915.4	917.3	919.2	921.1	922.0	923.0	923.9	924.8
157.5°	928.8	928.2	928.9	930.3	931.8	933.2	934.6	935.7	936.8	937.9	939.0
160°	943.0	942.5	943.0	943.9	944.9	945.8	946.8	947.8	948.7	949.7	950.6
162.5°	954.4	953.9	954.3	955.1	955.9	956.7	957.5	958.6	959.7	960.8	961.9
165°	964.5	964.0	964.2	964.7	965.2	965.6	966.1	967.2	968.3	969.4	970.5
167.5°	972.3	971.8	972.0	972.5	973.0	973.5	974.0	975.1	976.2	977.3	978.4
170°	978.8	978.3	978.5	978.8	979.1	979.4	979.7	980.8	981.9	983.0	984.1
172.5°	983.0	982.5	982.7	983.0	983.3	983.7	984.0	985.1	986.2	987.3	988.4
175°	986.0	985.4	985.6	985.9	986.2	986.5	986.8	987.9	989.0	990.1	991.2
177.5°	987.4	986.8	986.9	987.1	987.2	987.4	987.6	988.7	989.8	990.9	992.0
180°	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3

TEST NUMBER: P1029251

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
2.5°	1912.9	1917.5	1906.7	1903.6	1906.7	1895.9	1899.0	1902.1	1902.1	1906.7	1909.8
5°	1801.8	1795.6	1784.8	1781.8	1778.7	1783.3	1780.2	1784.8	1786.4	1797.2	1798.7
7.5°	1692.3	1683.0	1673.8	1664.5	1661.4	1653.7	1661.4	1661.4	1672.2	1669.1	1676.9
10°	1562.7	1561.2	1548.8	1544.2	1538.0	1525.7	1542.6	1538.0	1545.7	1559.6	1562.7
12.5°	1467.1	1450.1	1457.8	1436.2	1443.9	1431.6	1433.1	1433.1	1445.5	1447.0	1443.9
15°	1376.0	1362.2	1342.1	1332.8	1328.2	1322.0	1342.1	1343.6	1334.4	1356.0	1348.3
17.5°	1283.5	1283.5	1265.0	1260.3	1248.0	1254.2	1251.1	1252.6	1249.5	1265.0	1272.7
20°	1203.3	1195.5	1189.4	1190.9	1175.5	1172.4	1169.3	1172.4	1183.2	1194.0	1197.1
22.5°	1138.5	1133.8	1118.4	1121.5	1109.2	1113.8	1110.7	1118.4	1120.0	1120.0	1130.8
25°	1076.8	1070.6	1072.1	1066.0	1061.3	1061.3	1056.7	1061.3	1067.5	1070.6	1072.1
27.5°	1030.5	1025.9	1018.1	1013.5	1016.6	1008.9	1015.1	1019.7	1019.7	1016.6	1019.7
30°	974.9	978.0	978.0	962.6	968.8	965.7	970.3	973.4	973.4	974.9	971.9
32.5°	937.9	928.7	927.1	925.6	925.6	919.4	919.4	924.0	925.6	927.1	931.8
35°	888.6	888.6	880.8	885.5	879.3	880.8	879.3	880.8	883.9	879.3	883.9
37.5°	843.8	845.4	842.3	845.4	846.9	843.8	840.7	846.9	843.8	843.8	840.7
40°	805.3	803.7	805.3	805.3	805.3	806.8	803.7	803.7	803.7	800.6	797.5
42.5°	772.9	763.6	766.7	768.2	763.6	763.6	765.1	763.6	768.2	759.0	759.0
45°	726.6	723.5	725.0	725.0	728.1	723.5	726.6	728.1	723.5	722.0	718.9
47.5°	684.9	688.0	684.9	688.0	688.0	691.1	684.9	686.5	688.0	681.8	677.2
50°	643.3	643.3	647.9	646.4	647.9	644.8	644.8	643.3	644.8	641.7	637.1
52.5°	604.7	600.1	607.8	606.3	604.7	603.2	601.6	603.2	600.1	597.0	597.0
55°	556.9	556.9	561.5	563.1	563.1	560.0	556.9	558.4	556.9	555.4	553.8
57.5°	518.3	512.2	515.2	516.8	516.8	512.2	515.2	512.2	512.2	513.7	509.1
60°	469.0	469.0	465.9	470.5	470.5	467.4	467.4	469.0	465.9	464.3	462.8
62.5°	416.5	418.1	422.7	424.2	425.8	422.7	419.6	421.1	421.1	416.5	418.1
65°	371.8	374.9	381.0	379.5	376.4	377.9	374.9	376.4	371.8	373.3	368.7
67.5°	328.6	327.0	328.6	328.6	331.7	330.1	327.0	327.0	325.5	330.1	325.5
70°	282.3	282.3	282.3	282.3	283.8	285.4	282.3	279.2	280.8	277.7	276.1
72.5°	234.5	236.0	234.5	237.6	232.9	236.0	236.0	234.5	232.9	232.9	232.9
75°	189.7	192.8	188.2	189.7	188.2	191.3	189.7	189.7	186.7	185.1	186.7
77.5°	145.0	146.6	143.5	145.0	143.5	145.0	145.0	143.5	143.5	143.5	143.5
80°	103.4	104.9	103.4	101.8	100.3	103.4	100.3	101.8	103.4	101.8	104.9
82.5°	66.3	66.3	64.8	66.3	63.2	63.2	64.8	64.8	63.2	66.3	63.2
85°	32.4	32.4	35.5	32.4	30.9	30.9	30.9	32.4	30.9	33.9	32.4
87.5°	7.7	6.2	7.7	7.7	6.2	6.2	7.7	6.2	7.7	9.3	6.2
90°	17.9	18.1	18.4	18.7	19.0	19.3	19.0	18.7	18.4	18.1	17.9
92.5°	18.6	18.7	18.8	19.0	19.1	19.3	19.1	19.0	18.8	18.7	18.6
95°	31.5	31.4	31.2	31.1	30.9	30.7	30.9	31.1	31.2	31.4	31.5
97.5°	38.6	38.7	38.8	39.0	39.1	39.3	39.1	39.0	38.8	38.7	38.6
100°	46.5	46.7	47.0	47.3	47.6	47.9	47.6	47.3	47.0	46.7	46.5
102.5°	50.1	50.3	50.8	51.3	51.7	52.2	51.7	51.3	50.8	50.3	50.1
105°	51.5	51.8	52.4	53.1	53.7	54.3	53.7	53.1	52.4	51.8	51.5
107.5°	52.9	53.2	53.9	54.5	55.2	55.8	55.2	54.5	53.9	53.2	52.9
110°	53.6	53.9	54.6	55.2	55.9	56.5	55.9	55.2	54.6	53.9	53.6

TEST NUMBER: P1029251

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	55.1	55.3	55.8	56.3	56.7	57.2	56.7	56.3	55.8	55.3	55.1
115°	110.1	104.4	92.9	81.5	70.0	58.6	70.0	81.5	92.9	104.4	110.1
117.5°	377.6	356.8	315.1	273.5	231.8	190.2	231.8	273.5	315.1	356.8	377.6
120°	532.8	522.1	500.6	479.1	457.7	436.2	457.7	479.1	500.6	522.1	532.8
122.5°	570.7	570.8	570.9	571.1	571.2	571.4	571.2	571.1	570.9	570.8	570.7
125°	609.3	609.5	610.0	610.5	610.9	611.4	610.9	610.5	610.0	609.5	609.3
127.5°	646.5	646.6	646.7	646.9	647.0	647.2	647.0	646.9	646.7	646.6	646.5
130°	680.8	680.7	680.6	680.4	680.3	680.1	680.3	680.4	680.6	680.7	680.8
132.5°	713.0	712.9	712.7	712.6	712.4	712.2	712.4	712.6	712.7	712.9	713.0
135°	744.4	744.2	743.9	743.6	743.3	743.0	743.3	743.6	743.9	744.2	744.4
137.5°	773.7	773.5	773.0	772.5	772.1	771.6	772.1	772.5	773.0	773.5	773.7
140°	801.6	801.2	800.4	799.7	798.9	798.1	798.9	799.7	800.4	801.2	801.6
142.5°	827.4	827.0	826.2	825.4	824.6	823.8	824.6	825.4	826.2	827.0	827.4
145°	851.0	850.6	849.8	849.0	848.2	847.4	848.2	849.0	849.8	850.6	851.0
147.5°	871.7	871.4	870.7	870.1	869.4	868.8	869.4	870.1	870.7	871.4	871.7
150°	891.7	891.3	890.5	889.8	889.0	888.2	889.0	889.8	890.5	891.3	891.7
152.5°	909.6	909.0	907.9	906.8	905.7	904.6	905.7	906.8	907.9	909.0	909.6
155°	925.3	924.7	923.4	922.1	920.9	919.6	920.9	922.1	923.4	924.7	925.3
157.5°	939.6	939.0	937.7	936.4	935.2	933.9	935.2	936.4	937.7	939.0	939.6
160°	951.1	950.5	949.4	948.3	947.2	946.1	947.2	948.3	949.4	950.5	951.1
162.5°	962.5	961.8	960.4	958.9	957.5	956.1	957.5	958.9	960.4	961.8	962.5
165°	971.1	970.5	969.4	968.3	967.2	966.1	967.2	968.3	969.4	970.5	971.1
167.5°	979.0	978.3	976.8	975.4	973.9	972.5	973.9	975.4	976.8	978.3	979.0
170°	984.7	984.0	982.6	981.1	979.7	978.3	979.7	981.1	982.6	984.0	984.7
172.5°	989.0	988.3	986.8	985.4	983.9	982.5	983.9	985.4	986.8	988.3	989.0
175°	991.8	991.0	989.4	987.9	986.3	984.7	986.3	987.9	989.4	991.0	991.8
177.5°	992.6	991.9	990.4	989.0	987.5	986.1	987.5	989.0	990.4	991.9	992.6
180°	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3

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CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
2.5°	1905.2	1917.5	1912.9	1895.9	1916.0	1916.0	1929.8	1929.8	1946.8	1953.0	1962.2
5°	1797.2	1806.4	1814.1	1806.4	1820.3	1841.9	1854.3	1865.1	1888.2	1897.4	1911.3
7.5°	1681.5	1698.4	1706.2	1706.2	1729.3	1754.0	1778.7	1794.1	1826.5	1838.8	1852.7
10°	1568.9	1588.9	1604.3	1602.8	1641.4	1656.8	1687.6	1723.1	1755.5	1774.0	1794.1
12.5°	1450.1	1460.9	1482.5	1513.3	1522.6	1550.4	1585.8	1630.6	1689.2	1706.2	1735.5
15°	1351.4	1380.7	1397.6	1411.5	1433.1	1459.3	1497.9	1541.1	1599.7	1636.7	1667.6
17.5°	1268.1	1306.6	1317.4	1314.3	1342.1	1382.2	1426.9	1459.3	1511.8	1556.5	1585.8
20°	1200.2	1215.6	1234.1	1241.8	1263.4	1306.6	1349.8	1386.8	1430.0	1465.5	1499.4
22.5°	1132.3	1144.6	1160.1	1173.9	1190.9	1215.6	1257.3	1303.5	1345.2	1379.1	1417.7
25°	1076.8	1084.5	1098.4	1109.2	1127.7	1144.6	1173.9	1224.9	1274.2	1294.3	1328.2
27.5°	1022.8	1028.9	1038.2	1050.5	1059.8	1076.8	1103.0	1144.6	1195.5	1215.6	1261.9
30°	974.9	979.6	988.8	995.0	999.6	1019.7	1039.7	1072.1	1110.7	1138.5	1172.4
32.5°	930.2	934.8	944.1	945.6	951.8	962.6	981.1	1010.4	1044.4	1067.5	1096.8
35°	880.8	883.9	893.2	896.3	900.9	910.2	924.0	945.6	976.5	993.5	1019.7
37.5°	842.3	840.7	846.9	851.5	857.7	862.3	867.0	888.6	911.7	927.1	947.2
40°	800.6	797.5	799.1	805.3	808.3	814.5	814.5	836.1	851.5	863.9	879.3
42.5°	759.0	757.4	754.4	757.4	760.5	762.1	763.6	779.0	794.5	805.3	822.2
45°	717.3	715.8	712.7	714.2	714.2	717.3	722.0	728.1	738.9	748.2	757.4
47.5°	678.8	675.7	671.0	669.5	672.6	672.6	672.6	678.8	689.6	692.6	701.9
50°	638.7	634.0	627.9	624.8	624.8	623.2	626.3	627.9	637.1	640.2	647.9
52.5°	595.5	592.4	586.2	580.0	581.6	578.5	580.0	581.6	584.7	589.3	593.9
55°	552.3	546.1	541.5	539.9	535.3	535.3	530.7	536.8	535.3	536.8	543.0
57.5°	510.6	504.4	496.7	493.6	489.0	487.5	484.4	482.8	484.4	489.0	493.6
60°	461.2	458.2	453.5	448.9	445.8	441.2	438.1	438.1	436.6	436.6	438.1
62.5°	413.4	411.9	405.7	404.2	401.1	398.0	393.4	390.3	390.3	393.4	394.9
65°	367.1	365.6	361.0	359.4	351.7	348.6	347.1	345.6	342.5	342.5	342.5
67.5°	324.0	319.3	319.3	311.6	305.4	302.4	299.3	297.7	297.7	297.7	299.3
70°	276.1	276.1	271.5	266.9	260.7	262.2	257.6	253.0	253.0	249.9	251.5
72.5°	229.9	228.3	223.7	222.1	217.5	212.9	209.8	212.9	208.3	206.7	208.3
75°	185.1	183.6	180.5	177.4	178.9	174.3	169.7	168.1	168.1	165.1	165.1
77.5°	141.9	145.0	138.8	137.3	134.2	131.1	129.6	128.0	128.0	128.0	131.1
80°	98.7	100.3	100.3	97.2	98.7	94.1	94.1	94.1	89.5	91.0	92.6
82.5°	63.2	63.2	61.7	63.2	61.7	61.7	60.2	60.2	58.6	58.6	60.2
85°	35.5	33.9	32.4	35.5	33.9	33.9	32.4	32.4	32.4	32.4	32.4
87.5°	7.7	9.3	9.3	9.3	9.3	10.8	10.8	10.8	12.3	12.3	12.3
90°	17.5	16.7	15.9	15.1	14.3	13.0	11.8	10.5	9.2	8.6	7.7
92.5°	18.4	18.1	17.8	17.5	17.2	16.7	16.2	15.7	15.2	15.0	15.3
95°	31.1	30.3	29.5	28.7	27.9	26.8	25.7	24.6	23.5	22.9	25.5
97.5°	38.4	37.9	37.4	37.0	36.5	33.9	31.4	28.8	26.3	25.0	31.5
100°	45.9	44.6	43.3	42.1	40.8	38.1	35.4	32.7	30.0	28.6	39.5
102.5°	49.2	47.5	45.7	44.0	42.2	71.1	100.0	128.9	157.8	172.3	172.5
105°	50.6	48.9	47.1	45.4	43.6	87.0	130.4	173.7	217.1	238.8	236.4
107.5°	52.0	50.3	48.6	46.8	45.1	98.6	152.2	205.7	259.2	286.0	284.0
110°	61.5	77.4	93.3	109.2	125.1	171.0	217.0	262.9	308.8	331.8	330.1

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	89.3	157.8	226.3	294.8	363.3	366.0	368.7	371.4	374.1	375.4	374.0
115°	146.9	220.5	294.0	367.6	441.2	437.2	433.2	429.3	425.3	423.3	422.0
117.5°	389.0	411.7	434.4	457.1	479.8	477.1	474.4	471.7	469.0	467.7	466.1
120°	531.8	529.9	528.0	526.1	524.2	521.3	518.5	515.6	512.7	511.3	510.1
122.5°	570.2	569.3	568.3	567.4	566.4	563.2	560.0	556.9	553.7	552.1	550.8
125°	608.7	607.6	606.5	605.4	604.3	601.3	598.3	595.2	592.2	590.7	589.7
127.5°	645.7	644.1	642.5	640.9	639.3	636.9	634.5	632.2	629.8	628.6	627.5
130°	679.9	678.2	676.4	674.7	672.9	671.1	669.4	667.6	665.9	665.0	663.7
132.5°	712.3	710.8	709.4	707.9	706.5	704.8	703.0	701.3	699.6	698.7	697.7
135°	743.6	742.0	740.5	738.9	737.3	735.9	734.4	733.0	731.5	730.8	729.5
137.5°	772.9	771.3	769.8	768.2	766.6	765.0	763.4	761.8	760.2	759.4	758.5
140°	800.9	799.5	798.0	796.6	795.2	793.4	791.7	789.9	788.2	787.3	786.7
142.5°	826.8	825.5	824.2	823.0	821.7	819.6	817.6	815.5	813.4	812.4	811.8
145°	850.4	849.3	848.2	847.1	846.0	843.3	840.6	837.9	835.2	833.8	833.9
147.5°	871.3	870.5	869.7	868.9	868.1	865.4	862.7	860.0	857.3	856.0	856.2
150°	891.2	890.3	889.3	888.4	887.4	884.9	882.3	879.8	877.3	876.0	876.6
152.5°	909.1	908.2	907.2	906.3	905.3	902.9	900.5	898.2	895.8	894.6	895.2
155°	924.8	923.9	923.0	922.0	921.1	919.2	917.3	915.4	913.5	912.5	913.2
157.5°	939.0	937.9	936.8	935.7	934.6	933.2	931.8	930.3	928.9	928.2	928.8
160°	950.6	949.7	948.7	947.8	946.8	945.8	944.9	943.9	943.0	942.5	943.0
162.5°	961.9	960.8	959.7	958.6	957.5	956.7	955.9	955.1	954.3	953.9	954.4
165°	970.5	969.4	968.3	967.2	966.1	965.6	965.2	964.7	964.2	964.0	964.5
167.5°	978.4	977.3	976.2	975.1	974.0	973.5	973.0	972.5	972.0	971.8	972.3
170°	984.1	983.0	981.9	980.8	979.7	979.4	979.1	978.8	978.5	978.3	978.8
172.5°	988.4	987.3	986.2	985.1	984.0	983.7	983.3	983.0	982.7	982.5	983.0
175°	991.2	990.1	989.0	987.9	986.8	986.5	986.2	985.9	985.6	985.4	986.0
177.5°	992.0	990.9	989.8	988.7	987.6	987.4	987.2	987.1	986.9	986.8	987.4
180°	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2007.0	2007.0	2007.0	2007.0
2.5°	1970.0	1970.0	1993.1	2017.8
5°	1926.8	1937.6	1974.6	2008.5
7.5°	1885.1	1903.6	1949.9	1993.1
10°	1834.2	1858.9	1916.0	1966.9
12.5°	1784.8	1808.0	1874.3	1931.4
15°	1715.4	1744.7	1815.7	1886.6
17.5°	1646.0	1675.3	1761.7	1845.0
20°	1564.2	1602.8	1700.0	1811.1
22.5°	1488.6	1536.5	1644.5	1733.9
25°	1405.3	1479.4	1579.7	1695.4
27.5°	1331.3	1405.3	1507.2	1624.4
30°	1248.0	1323.6	1428.5	1536.5
32.5°	1167.8	1237.2	1339.0	1471.7
35°	1084.5	1150.8	1249.5	1383.7
37.5°	1008.9	1073.7	1181.7	1305.1
40°	934.8	1002.7	1095.3	1218.7
42.5°	865.4	925.6	1008.9	1132.3
45°	802.2	845.4	922.5	1038.2
47.5°	735.8	774.4	845.4	961.1
50°	674.1	706.5	768.2	876.2
52.5°	614.0	641.7	698.8	785.2
55°	560.0	586.2	627.9	712.7
57.5°	504.4	524.5	564.6	632.5
60°	450.5	469.0	501.4	556.9
62.5°	396.5	411.9	442.7	487.5
65°	348.6	361.0	384.1	422.7
67.5°	302.4	310.1	328.6	359.4
70°	257.6	263.8	279.2	303.9
72.5°	209.8	216.0	232.9	249.9
75°	169.7	171.2	183.6	197.5
77.5°	132.7	131.1	140.4	151.2
80°	91.0	95.6	103.4	108.0
82.5°	61.7	63.2	66.3	69.4
85°	33.9	35.5	35.5	40.1
87.5°	13.9	15.4	15.4	17.0
90°	6.0	4.2	2.5	0.7
92.5°	16.0	16.6	17.3	17.9
95°	30.8	36.0	41.3	46.5
97.5°	44.6	57.6	70.7	83.7
100°	61.3	83.0	104.8	126.6
102.5°	172.8	173.1	173.5	173.8
105°	231.7	226.9	222.2	217.4
107.5°	280.1	276.1	272.2	268.2
110°	326.8	323.5	320.1	316.8

TEST NUMBER: P1029251

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	371.1	368.3	365.4	362.6
115°	419.3	416.6	413.9	411.2
117.5°	462.9	459.8	456.6	453.4
120°	507.7	505.4	503.0	500.6
122.5°	548.3	545.7	543.2	540.6
125°	587.6	585.5	583.5	581.4
127.5°	625.3	623.0	620.8	618.6
130°	661.2	658.7	656.1	653.6
132.5°	695.6	693.5	691.5	689.4
135°	727.0	724.5	721.9	719.4
137.5°	756.6	754.7	752.8	750.9
140°	785.4	784.1	782.9	781.6
142.5°	810.7	809.6	808.4	807.3
145°	834.0	834.2	834.3	834.5
147.5°	856.7	857.2	857.6	858.1
150°	877.7	878.8	879.9	881.0
152.5°	896.5	897.8	899.0	900.3
155°	914.6	916.1	917.5	918.9
157.5°	930.1	931.4	932.6	933.9
160°	943.9	944.9	945.8	946.8
162.5°	955.3	956.3	957.2	958.2
165°	965.4	966.3	967.3	968.2
167.5°	973.2	974.2	975.1	976.1
170°	979.7	980.6	981.6	982.5
172.5°	983.9	984.9	985.8	986.8
175°	987.1	988.2	989.3	990.4
177.5°	988.5	989.6	990.7	991.8
180°	988.3	988.3	988.3	988.3

(END OF REPORT)