

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: P1029250

Luminaire Tested: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029250
REPORT IS A COMBINATION OF REPORTS P985308 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_3000K
Description: Define 2 Direct/Indirect Wall Mount with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

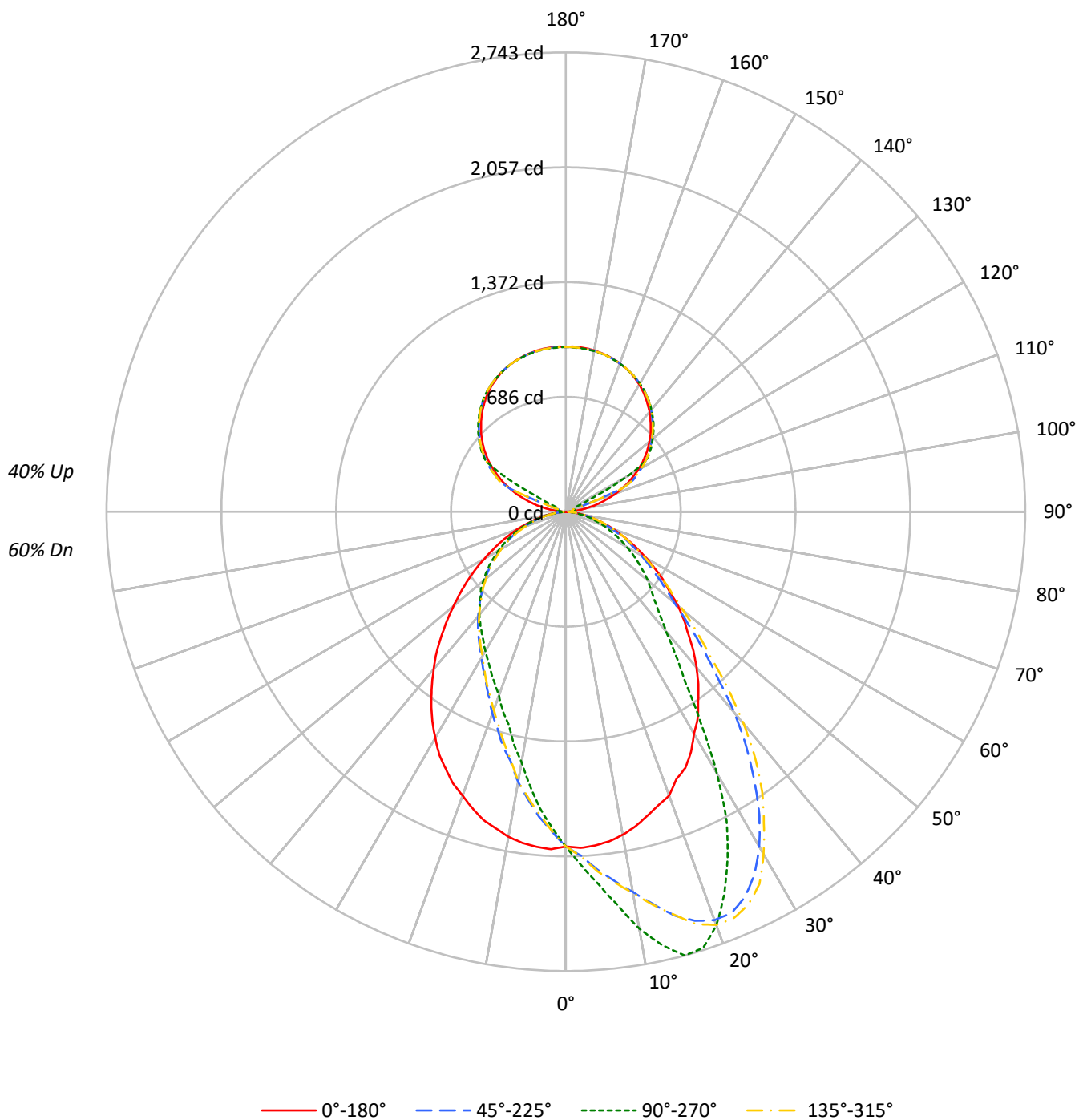
Lumens per Lamp: N/A
Luminaire Lumens: 7296.0 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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					0
RW	70	50	30	10	70	50	30	10	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	66	66	60
1	101	97	93	89	94	90	87	84	79	77	75	69	67	65	59	58	57	57	57	52
2	92	85	79	74	86	80	75	70	70	66	63	61	58	55	53	51	49	49	49	45
3	84	75	68	62	79	71	64	59	62	57	53	54	51	48	47	44	42	42	42	38
4	78	67	59	53	72	63	56	51	56	50	46	49	45	41	43	39	37	37	37	34
5	72	60	52	46	67	57	50	44	50	45	40	44	40	36	39	35	32	32	32	30
6	66	54	46	41	62	51	44	39	46	40	35	40	36	32	35	32	29	29	29	26
7	61	49	41	36	57	47	39	34	42	36	32	37	32	29	32	29	26	26	26	23
8	57	45	37	32	53	43	36	31	38	32	28	34	29	26	30	26	23	23	23	21
9	53	41	34	29	50	39	32	28	35	29	26	31	27	23	28	24	21	21	21	19
10	50	38	31	26	47	36	29	25	32	27	23	29	25	21	26	22	19	19	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	31633	31633	31633	31633
5°	31709	33727	31831	26833
10°	31340	36820	31537	22123
15°	30581	38835	31006	18635
20°	30103	36464	30103	16197
25°	29144	31327	29277	14485
30°	27566	24625	28092	13119
35°	26167	17029	26605	12005
40°	24560	12857	24839	11114
45°	22576	10566	22945	10154
50°	20865	9273	20900	9296
55°	18908	7902	19033	8363
60°	16826	6600	17060	7298
65°	14963	5368	15236	6232
70°	13105	4212	13438	5028
75°	10998	3057	11429	3646
80°	8583	1938	9197	2163
85°	5636	976	6074	722

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 32700 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.3	2.6
10°-20°	554.0	7.6
20°-30°	804.0	11.0
30°-40°	847.6	11.6
40°-50°	750.0	10.3
50°-60°	598.9	8.2
60°-70°	406.8	5.6
70°-80°	208.1	2.9
80°-90°	50.9	0.7
90°-100°	32.5	0.4
100°-110°	121.0	1.7
110°-120°	320.9	4.4
120°-130°	532.2	7.3
130°-140°	565.3	7.7
140°-150°	525.4	7.2
150°-160°	422.4	5.8
160°-170°	272.2	3.7
170°-180°	93.7	1.3
0°-30°	1548.4	21.2
0°-40°	2396.0	32.8
0°-60°	3744.9	51.3
0°-90°	4410.7	60.5
90°-120°	474.3	6.5
90°-150°	2097.1	28.7
90°-180°	2885.0	39.5
0°-180°	7296.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1998	1998	1998	1998	1998	
5°	2000	2232	2008	1776	2000	190
15°	1879	2743	1905	1316	1879	531
25°	1688	2286	1696	1057	1688	772
35°	1378	1244	1401	877	1378	862
45°	1034	750	1051	720	1034	802
55°	710	527	714	558	710	633
65°	421	324	429	376	421	418
75°	197	160	204	190	197	211
85°	40	42	43	31	40	47
90°	1	19	1	19	1	5
95°	46	31	46	31	46	55
105°	216	54	216	54	216	231
115°	410	58	410	58	410	403
125°	579	609	579	609	579	516
135°	716	740	716	740	716	553
145°	831	844	831	844	831	520
155°	915	916	915	916	915	422
165°	964	962	964	962	964	272
175°	986	981	986	981	986	94
180°	984	984	984	984	984	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	2009.1	2013.7	2021.4	2022.9	2038.3	2050.6	2064.4	2064.4	2069.0	2067.5	2055.2
5°	1999.9	2013.7	2033.7	2050.6	2078.2	2090.5	2109.0	2122.8	2135.1	2144.3	2142.8
7.5°	1984.5	2009.1	2038.3	2070.6	2107.4	2128.9	2155.0	2179.6	2196.5	2211.9	2222.6
10°	1958.4	1999.9	2039.8	2082.8	2130.5	2159.6	2190.4	2222.6	2248.7	2277.9	2305.6
12.5°	1923.1	1983.0	2032.2	2089.0	2147.4	2179.6	2228.8	2253.3	2304.0	2377.8	2397.7
15°	1878.6	1960.0	2006.0	2078.2	2155.0	2181.2	2248.7	2288.7	2393.1	2439.2	2494.5
17.5°	1837.1	1927.7	1989.1	2072.1	2147.4	2198.0	2264.1	2345.5	2433.1	2499.1	2560.5
20°	1803.3	1890.8	1964.6	2056.7	2152.0	2216.5	2285.6	2383.9	2479.1	2546.7	2594.3
22.5°	1726.5	1838.6	1924.6	2027.5	2142.8	2231.8	2297.9	2405.4	2508.3	2549.8	2591.3
25°	1688.1	1784.9	1884.7	2001.4	2136.6	2242.6	2299.4	2419.2	2509.9	2525.2	2534.4
27.5°	1617.4	1726.5	1843.2	1976.9	2135.1	2224.2	2296.4	2405.4	2477.6	2466.9	2439.2
30°	1529.9	1663.5	1792.5	1936.9	2113.6	2210.3	2277.9	2377.8	2414.6	2359.3	2310.2
32.5°	1465.4	1591.3	1734.2	1901.6	2089.0	2181.2	2247.2	2325.5	2333.2	2233.4	2150.4
35°	1377.8	1517.6	1678.9	1855.5	2047.5	2130.5	2191.9	2239.5	2202.7	2062.9	1964.6
37.5°	1299.5	1437.7	1609.8	1789.5	1990.7	2072.1	2121.2	2128.9	2038.3	1915.4	1771.0
40°	1213.5	1356.3	1536.0	1725.0	1927.7	1998.4	2029.1	2006.0	1875.5	1732.6	1565.2
42.5°	1127.4	1268.8	1462.3	1655.8	1847.8	1907.7	1920.0	1857.1	1697.3	1529.9	1336.3
45°	1033.7	1181.2	1374.7	1569.8	1755.7	1789.5	1791.0	1700.4	1511.4	1336.3	1156.6
47.5°	956.9	1093.6	1285.7	1480.7	1637.4	1660.4	1651.2	1546.8	1340.9	1144.3	987.7
50°	872.5	1003.0	1193.5	1385.5	1519.1	1525.3	1502.2	1353.2	1152.0	972.3	847.9
52.5°	781.8	913.9	1089.0	1273.4	1393.2	1384.0	1339.4	1179.7	990.7	841.7	746.5
55°	709.6	826.4	990.7	1170.4	1254.9	1228.8	1179.7	1016.8	867.9	741.9	659.0
57.5°	629.8	732.7	894.0	1050.6	1099.8	1075.2	1026.1	874.0	735.8	640.5	585.2
60°	554.5	648.2	789.5	920.1	958.5	932.4	875.5	738.8	639.0	559.1	517.6
62.5°	485.4	566.8	685.1	804.9	820.2	794.1	745.0	634.4	548.4	485.4	454.7
65°	420.9	497.7	592.9	683.5	697.4	669.7	619.0	539.1	467.0	427.0	397.8
67.5°	357.9	419.3	503.8	569.9	577.5	551.4	510.0	445.4	400.9	357.9	336.4
70°	302.6	348.7	414.7	468.5	471.6	447.0	425.5	367.1	333.3	302.6	285.7
72.5°	248.8	281.1	331.8	371.7	373.3	357.9	337.9	301.1	271.9	250.4	233.5
75°	196.6	224.3	255.0	290.3	288.8	276.5	261.1	238.1	213.5	199.7	192.0
77.5°	150.5	167.4	192.0	215.0	215.0	208.9	199.7	182.8	167.4	153.6	145.9
80°	107.5	118.3	138.2	145.9	149.0	147.5	139.8	127.5	121.3	110.6	107.5
82.5°	69.1	76.8	86.0	93.7	98.3	95.2	93.7	87.6	78.3	75.3	72.2
85°	39.9	43.0	47.6	52.2	53.8	52.2	55.3	50.7	46.1	46.1	44.5
87.5°	16.9	18.4	21.5	21.5	23.0	23.0	21.5	23.0	23.0	21.5	20.0
90°	0.7	2.4	4.2	5.9	7.6	8.5	9.1	10.4	11.7	12.9	14.2
92.5°	17.8	17.2	16.6	15.9	15.3	15.0	15.2	15.7	16.2	16.6	17.1
95°	46.3	41.1	35.9	30.6	25.4	22.8	23.4	24.5	25.6	26.7	27.8
97.5°	83.3	70.3	57.3	44.4	31.4	24.9	26.2	28.7	31.2	33.8	36.3
100°	126.0	104.3	82.7	61.0	39.3	28.5	29.8	32.5	35.2	37.9	40.6
102.5°	173.1	172.8	172.4	172.1	171.8	171.6	157.2	128.4	99.6	70.8	42.0
105°	216.5	221.3	226.0	230.8	235.5	237.9	216.3	173.1	129.8	86.6	43.4
107.5°	267.1	271.1	275.0	279.0	282.9	284.9	258.2	204.9	151.6	98.2	44.9
110°	315.5	318.8	322.1	325.4	328.7	330.4	307.5	261.8	216.1	170.3	124.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	361.1	363.9	366.8	369.6	372.5	373.9	372.6	369.9	367.2	364.5	361.8
115°	409.5	412.2	414.9	417.6	420.3	421.6	423.6	427.5	431.5	435.4	439.4
117.5°	451.5	454.7	457.8	461.0	464.1	465.7	467.0	469.7	472.4	475.1	477.8
120°	498.5	500.9	503.3	505.6	508.0	509.2	510.6	513.5	516.3	519.2	522.0
122.5°	538.4	540.9	543.5	546.0	548.5	549.8	551.4	554.5	557.7	560.8	564.0
125°	579.0	581.0	583.1	585.1	587.2	588.2	589.7	592.7	595.8	598.8	601.8
127.5°	616.0	618.2	620.4	622.7	624.9	626.0	627.2	629.6	631.9	634.3	636.7
130°	650.9	653.4	656.0	658.5	661.0	662.3	663.2	664.9	666.6	668.4	670.1
132.5°	686.5	688.6	690.6	692.7	694.8	695.8	696.7	698.4	700.1	701.9	703.6
135°	716.4	718.9	721.5	724.0	726.5	727.8	728.5	729.9	731.4	732.8	734.2
137.5°	747.7	749.6	751.5	753.4	755.3	756.3	757.1	758.7	760.2	761.8	763.4
140°	778.4	779.7	780.9	782.2	783.5	784.1	785.0	786.7	788.4	790.2	791.9
142.5°	804.0	805.1	806.2	807.3	808.4	809.0	810.0	812.1	814.2	816.2	818.3
145°	831.1	830.9	830.8	830.6	830.5	830.4	831.7	834.4	837.1	839.8	842.5
147.5°	854.6	854.1	853.6	853.1	852.6	852.4	853.7	856.4	859.1	861.8	864.5
150°	877.4	876.3	875.2	874.1	873.0	872.4	873.7	876.2	878.7	881.3	883.8
152.5°	896.6	895.3	894.1	892.8	891.5	890.9	892.1	894.5	896.8	899.2	901.6
155°	915.1	913.7	912.3	910.8	909.4	908.7	909.6	911.5	913.4	915.3	917.2
157.5°	930.1	928.8	927.6	926.3	925.0	924.4	925.1	926.5	928.0	929.4	930.8
160°	942.9	941.9	941.0	940.0	939.1	938.6	939.1	940.0	941.0	941.9	942.9
162.5°	954.3	953.3	952.4	951.4	950.5	950.0	950.4	951.2	952.0	952.8	953.6
165°	964.2	963.3	962.3	961.4	960.5	960.0	960.2	960.7	961.2	961.6	962.1
167.5°	972.1	971.1	970.2	969.2	968.3	967.8	968.0	968.5	969.0	969.4	969.9
170°	978.5	977.5	976.6	975.6	974.7	974.2	974.4	974.7	975.0	975.3	975.6
172.5°	982.8	981.8	980.9	979.9	979.0	978.5	978.7	979.0	979.3	979.6	979.9
175°	986.3	985.2	984.1	983.0	981.9	981.3	981.5	981.8	982.1	982.5	982.8
177.5°	987.7	986.6	985.5	984.4	983.3	982.8	982.9	983.0	983.2	983.3	983.5
180°	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	2076.7	2078.2	2081.3	2096.7	2104.3	2105.9	2099.7	2113.6	2118.2	2113.6	2110.5
5°	2175.0	2184.2	2202.7	2222.6	2221.1	2222.6	2231.8	2241.1	2244.1	2231.8	2236.4
7.5°	2261.0	2279.5	2299.4	2330.1	2330.1	2345.5	2351.6	2359.3	2377.8	2368.5	2365.5
10°	2359.3	2383.9	2420.8	2469.9	2471.5	2486.8	2502.2	2526.8	2534.4	2528.3	2531.4
12.5°	2482.2	2529.8	2532.9	2586.7	2611.2	2614.3	2638.9	2634.3	2649.6	2649.6	2675.7
15°	2536.0	2609.7	2651.2	2703.4	2718.8	2700.3	2720.3	2741.8	2743.3	2743.3	2741.8
17.5°	2632.7	2661.9	2703.4	2731.0	2737.2	2737.2	2738.7	2747.9	2741.8	2729.5	2738.7
20°	2652.7	2665.0	2680.4	2677.3	2680.4	2665.0	2649.6	2634.3	2635.8	2628.1	2651.2
22.5°	2615.8	2612.8	2577.4	2554.4	2554.4	2523.7	2494.5	2480.7	2466.9	2471.5	2479.1
25°	2523.7	2476.1	2433.1	2399.3	2391.6	2342.4	2302.5	2290.2	2267.2	2285.6	2288.7
27.5°	2376.2	2322.5	2253.3	2224.2	2184.2	2164.3	2136.6	2099.7	2052.1	2079.8	2075.2
30°	2218.0	2138.1	2081.3	2010.7	1947.7	1943.1	1890.8	1829.4	1804.8	1804.8	1818.6
32.5°	2041.4	1935.4	1852.4	1752.6	1691.2	1665.0	1602.1	1540.6	1554.5	1508.4	1525.3
35°	1835.5	1695.8	1591.3	1494.5	1448.5	1417.7	1336.3	1302.5	1265.7	1244.2	1284.1
37.5°	1638.9	1477.7	1344.0	1238.0	1221.1	1165.8	1110.5	1089.0	1067.5	1076.8	1075.2
40°	1399.3	1256.5	1136.7	1053.7	1024.5	998.4	961.5	935.4	921.6	929.3	930.8
42.5°	1182.7	1062.9	973.8	915.5	890.9	872.5	854.0	832.5	827.9	827.9	834.1
45°	1015.3	917.0	857.1	809.5	795.7	781.8	768.0	758.8	755.7	749.6	754.2
47.5°	881.7	803.3	766.5	731.1	715.8	712.7	700.4	695.8	689.7	688.1	689.7
50°	769.5	720.4	686.6	666.6	655.9	651.3	645.1	635.9	632.8	640.5	637.4
52.5°	691.2	645.1	626.7	606.7	600.6	594.4	585.2	586.8	585.2	582.2	582.2
55°	612.9	583.7	565.3	549.9	548.4	542.2	534.5	531.5	529.9	526.9	531.5
57.5°	549.9	526.9	510.0	496.1	490.0	490.0	482.3	476.2	476.2	474.6	476.2
60°	486.9	463.9	453.1	439.3	434.7	433.2	428.6	425.5	420.9	420.9	420.9
62.5°	428.6	410.1	397.8	385.5	387.1	379.4	373.3	370.2	370.2	371.7	371.7
65°	373.3	361.0	345.6	334.9	331.8	330.2	327.2	325.6	321.0	324.1	324.1
67.5°	322.6	305.7	296.5	291.8	287.2	285.7	282.6	279.6	278.0	276.5	279.6
70°	271.9	258.1	250.4	247.3	242.7	241.2	239.6	235.0	236.5	238.1	239.6
72.5°	225.8	213.5	212.0	202.8	202.8	202.8	196.6	199.7	198.1	195.1	198.1
75°	178.2	172.0	169.0	164.4	165.9	164.4	162.8	158.2	158.2	159.7	161.3
77.5°	141.3	135.2	133.6	129.0	126.0	129.0	126.0	124.4	124.4	126.0	126.0
80°	104.4	101.4	96.8	96.8	96.8	95.2	95.2	95.2	93.7	92.2	93.7
82.5°	69.1	69.1	67.6	66.0	67.6	64.5	66.0	66.0	66.0	66.0	66.0
85°	44.5	43.0	43.0	41.5	41.5	41.5	43.0	39.9	39.9	41.5	41.5
87.5°	20.0	20.0	20.0	21.5	20.0	20.0	20.0	21.5	20.0	20.0	20.0
90°	15.0	15.8	16.6	17.4	17.8	18.0	18.3	18.6	18.9	19.2	18.9
92.5°	17.4	17.7	18.0	18.3	18.5	18.6	18.7	18.9	19.0	19.2	19.0
95°	28.6	29.4	30.1	30.9	31.3	31.2	31.1	30.9	30.8	30.6	30.8
97.5°	36.8	37.3	37.8	38.3	38.5	38.6	38.7	38.9	39.0	39.2	39.0
100°	41.9	43.1	44.4	45.7	46.3	46.5	46.8	47.1	47.4	47.7	47.4
102.5°	43.7	45.5	47.2	48.9	49.8	50.0	50.5	51.0	51.5	52.0	51.5
105°	45.2	46.9	48.7	50.4	51.3	51.6	52.2	52.9	53.5	54.1	53.5
107.5°	46.6	48.4	50.1	51.8	52.7	53.0	53.6	54.3	54.9	55.5	54.9
110°	108.8	93.0	77.1	61.3	53.4	53.7	54.4	55.0	55.7	56.3	55.7

TEST NUMBER: P1029250

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	293.6	225.4	157.1	88.9	54.8	55.0	55.5	56.0	56.5	57.0	56.5
115°	366.1	292.9	219.6	146.3	109.7	104.0	92.6	81.2	69.8	58.4	69.8
117.5°	455.2	432.6	409.9	387.3	376.0	355.3	313.8	272.3	230.9	189.4	230.9
120°	523.9	525.8	527.7	529.6	530.5	519.8	498.5	477.1	455.8	434.4	455.8
122.5°	565.0	565.9	566.9	567.8	568.3	568.4	568.5	568.7	568.8	569.0	568.8
125°	602.9	604.0	605.1	606.2	606.7	606.9	607.4	607.9	608.4	608.9	608.4
127.5°	638.3	639.9	641.4	643.0	643.8	643.9	644.0	644.2	644.3	644.5	644.3
130°	671.9	673.6	675.4	677.1	678.0	677.9	677.7	677.6	677.4	677.2	677.4
132.5°	705.0	706.4	707.9	709.3	710.0	709.9	709.8	709.6	709.5	709.3	709.5
135°	735.8	737.4	738.9	740.5	741.3	741.1	740.8	740.5	740.2	739.9	740.2
137.5°	765.0	766.6	768.1	769.7	770.5	770.3	769.8	769.3	768.9	768.4	768.9
140°	793.3	794.7	796.2	797.6	798.3	797.9	797.1	796.3	795.5	794.7	795.5
142.5°	819.5	820.8	822.0	823.3	823.9	823.5	822.7	822.0	821.2	820.4	821.2
145°	843.6	844.7	845.8	846.9	847.4	847.0	846.2	845.5	844.7	843.9	844.7
147.5°	865.3	866.1	866.9	867.7	868.1	867.8	867.2	866.5	865.9	865.3	865.9
150°	884.7	885.7	886.6	887.5	888.0	887.6	886.8	886.1	885.3	884.5	885.3
152.5°	902.5	903.5	904.4	905.3	905.8	905.3	904.2	903.1	902.0	900.9	902.0
155°	918.2	919.1	920.1	921.0	921.5	920.9	919.6	918.3	917.1	915.8	917.1
157.5°	931.9	933.0	934.1	935.2	935.8	935.2	933.9	932.6	931.4	930.1	931.4
160°	943.8	944.8	945.7	946.6	947.1	946.6	945.5	944.4	943.3	942.2	943.3
162.5°	954.7	955.8	956.9	958.0	958.5	957.8	956.4	954.9	953.5	952.1	953.5
165°	963.2	964.3	965.4	966.5	967.1	966.5	965.4	964.3	963.2	962.1	963.2
167.5°	971.0	972.1	973.2	974.3	974.9	974.2	972.8	971.3	969.9	968.5	969.9
170°	976.7	977.8	978.9	980.0	980.6	979.9	978.5	977.0	975.6	974.2	975.6
172.5°	981.0	982.1	983.2	984.3	984.9	984.2	982.8	981.3	979.9	978.5	979.9
175°	983.9	985.0	986.1	987.2	987.7	986.9	985.3	983.8	982.2	980.6	982.2
177.5°	984.6	985.7	986.8	987.9	988.5	987.8	986.3	984.9	983.4	982.0	983.4
180°	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	2118.2	2107.4	2098.2	2099.7	2107.4	2101.3	2085.9	2065.9	2058.3	2049.1	2058.3
5°	2245.7	2236.4	2218.0	2219.6	2214.9	2208.8	2184.2	2153.5	2153.5	2128.9	2125.9
7.5°	2371.6	2357.8	2345.5	2342.4	2325.5	2313.2	2291.7	2248.7	2231.8	2202.7	2185.8
10°	2512.9	2502.2	2488.4	2471.5	2462.2	2440.7	2405.4	2342.4	2311.7	2271.8	2242.6
12.5°	2655.8	2654.2	2623.5	2589.7	2588.2	2554.4	2529.8	2445.3	2403.9	2350.1	2281.0
15°	2746.4	2738.7	2721.8	2704.9	2709.5	2672.7	2617.4	2517.5	2489.9	2425.4	2351.6
17.5°	2744.9	2744.9	2740.3	2737.2	2732.6	2721.8	2691.1	2625.1	2580.5	2499.1	2430.0
20°	2657.3	2677.3	2681.9	2680.4	2695.7	2703.4	2701.9	2660.4	2625.1	2552.9	2482.2
22.5°	2482.2	2528.3	2548.3	2560.5	2592.8	2609.7	2649.6	2634.3	2625.1	2571.3	2511.4
25°	2319.4	2334.8	2394.7	2397.7	2442.3	2483.7	2523.7	2549.8	2583.6	2563.6	2512.9
27.5°	2109.0	2144.3	2187.3	2219.6	2228.8	2313.2	2379.3	2428.5	2505.3	2511.4	2494.5
30°	1870.9	1887.8	1958.4	2001.4	2050.6	2112.0	2207.3	2291.7	2360.9	2423.8	2445.3
32.5°	1580.6	1649.7	1691.2	1743.4	1786.4	1895.5	2012.2	2121.2	2201.1	2307.1	2353.2
35°	1314.8	1368.6	1439.3	1460.8	1539.1	1631.3	1783.3	1923.1	2044.4	2152.0	2245.7
37.5°	1095.2	1138.2	1213.5	1247.2	1293.3	1411.6	1539.1	1712.7	1858.6	1990.7	2107.4
40°	944.7	976.9	1033.7	1044.5	1082.9	1190.4	1293.3	1456.1	1649.7	1827.9	1955.4
42.5°	841.7	857.1	895.5	909.3	933.9	1006.1	1098.3	1251.9	1431.6	1615.9	1795.6
45°	768.0	778.8	801.8	814.1	844.8	877.1	952.3	1075.2	1216.5	1402.4	1595.9
47.5°	702.0	715.8	725.0	732.7	749.6	784.9	834.1	924.7	1059.9	1230.4	1417.7
50°	646.7	651.3	668.2	669.7	680.5	703.5	749.6	804.9	912.4	1050.6	1231.9
52.5°	591.4	596.0	606.7	617.5	622.1	640.5	671.2	717.3	797.2	906.3	1067.5
55°	536.1	542.2	553.0	560.6	565.3	580.6	599.0	643.6	706.6	783.4	915.5
57.5°	480.8	494.6	497.7	502.3	510.0	526.9	543.8	569.9	619.0	689.7	786.4
60°	428.6	433.2	443.9	448.5	456.2	465.4	486.9	506.9	542.2	597.5	685.1
62.5°	374.8	385.5	390.1	394.8	400.9	411.7	425.5	447.0	477.7	522.2	591.4
65°	328.7	330.2	339.5	345.6	351.7	359.4	373.3	393.2	411.7	453.1	503.8
67.5°	284.2	287.2	290.3	296.5	304.1	311.8	324.1	334.9	357.9	385.5	425.5
70°	241.2	241.2	248.8	253.4	251.9	261.1	270.3	282.6	299.5	325.6	357.9
72.5°	202.8	201.2	207.4	208.9	212.0	218.1	224.3	236.5	245.8	265.7	290.3
75°	161.3	164.4	167.4	167.4	172.0	176.6	182.8	188.9	199.7	212.0	230.4
77.5°	127.5	127.5	130.6	132.1	136.7	135.2	141.3	147.5	155.1	165.9	179.7
80°	93.7	96.8	96.8	96.8	98.3	99.8	106.0	110.6	115.2	122.9	129.0
82.5°	66.0	66.0	69.1	69.1	69.1	72.2	72.2	73.7	76.8	81.4	86.0
85°	41.5	41.5	41.5	43.0	41.5	43.0	46.1	44.5	46.1	49.2	49.2
87.5°	20.0	20.0	20.0	20.0	20.0	21.5	20.0	21.5	23.0	23.0	23.0
90°	18.6	18.3	18.0	17.8	17.4	16.6	15.8	15.0	14.2	12.9	11.7
92.5°	18.9	18.7	18.6	18.5	18.3	18.0	17.7	17.4	17.1	16.6	16.2
95°	30.9	31.1	31.2	31.3	30.9	30.1	29.4	28.6	27.8	26.7	25.6
97.5°	38.9	38.7	38.6	38.5	38.3	37.8	37.3	36.8	36.3	33.8	31.2
100°	47.1	46.8	46.5	46.3	45.7	44.4	43.1	41.9	40.6	37.9	35.2
102.5°	51.0	50.5	50.0	49.8	48.9	47.2	45.5	43.7	42.0	70.8	99.6
105°	52.9	52.2	51.6	51.3	50.4	48.7	46.9	45.2	43.4	86.6	129.8
107.5°	54.3	53.6	53.0	52.7	51.8	50.1	48.4	46.6	44.9	98.2	151.6
110°	55.0	54.4	53.7	53.4	61.3	77.1	93.0	108.8	124.6	170.3	216.1

TEST NUMBER: P1029250

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	56.0	55.5	55.0	54.8	88.9	157.1	225.4	293.6	361.8	364.5	367.2
115°	81.2	92.6	104.0	109.7	146.3	219.6	292.9	366.1	439.4	435.4	431.5
117.5°	272.3	313.8	355.3	376.0	387.3	409.9	432.6	455.2	477.8	475.1	472.4
120°	477.1	498.5	519.8	530.5	529.6	527.7	525.8	523.9	522.0	519.2	516.3
122.5°	568.7	568.5	568.4	568.3	567.8	566.9	565.9	565.0	564.0	560.8	557.7
125°	607.9	607.4	606.9	606.7	606.2	605.1	604.0	602.9	601.8	598.8	595.8
127.5°	644.2	644.0	643.9	643.8	643.0	641.4	639.9	638.3	636.7	634.3	631.9
130°	677.6	677.7	677.9	678.0	677.1	675.4	673.6	671.9	670.1	668.4	666.6
132.5°	709.6	709.8	709.9	710.0	709.3	707.9	706.4	705.0	703.6	701.9	700.1
135°	740.5	740.8	741.1	741.3	740.5	738.9	737.4	735.8	734.2	732.8	731.4
137.5°	769.3	769.8	770.3	770.5	769.7	768.1	766.6	765.0	763.4	761.8	760.2
140°	796.3	797.1	797.9	798.3	797.6	796.2	794.7	793.3	791.9	790.2	788.4
142.5°	822.0	822.7	823.5	823.9	823.3	822.0	820.8	819.5	818.3	816.2	814.2
145°	845.5	846.2	847.0	847.4	846.9	845.8	844.7	843.6	842.5	839.8	837.1
147.5°	866.5	867.2	867.8	868.1	867.7	866.9	866.1	865.3	864.5	861.8	859.1
150°	886.1	886.8	887.6	888.0	887.5	886.6	885.7	884.7	883.8	881.3	878.7
152.5°	903.1	904.2	905.3	905.8	905.3	904.4	903.5	902.5	901.6	899.2	896.8
155°	918.3	919.6	920.9	921.5	921.0	920.1	919.1	918.2	917.2	915.3	913.4
157.5°	932.6	933.9	935.2	935.8	935.2	934.1	933.0	931.9	930.8	929.4	928.0
160°	944.4	945.5	946.6	947.1	946.6	945.7	944.8	943.8	942.9	941.9	941.0
162.5°	954.9	956.4	957.8	958.5	958.0	956.9	955.8	954.7	953.6	952.8	952.0
165°	964.3	965.4	966.5	967.1	966.5	965.4	964.3	963.2	962.1	961.6	961.2
167.5°	971.3	972.8	974.2	974.9	974.3	973.2	972.1	971.0	969.9	969.4	969.0
170°	977.0	978.5	979.9	980.6	980.0	978.9	977.8	976.7	975.6	975.3	975.0
172.5°	981.3	982.8	984.2	984.9	984.3	983.2	982.1	981.0	979.9	979.6	979.3
175°	983.8	985.3	986.9	987.7	987.2	986.1	985.0	983.9	982.8	982.5	982.1
177.5°	984.9	986.3	987.8	988.5	987.9	986.8	985.7	984.6	983.5	983.3	983.2
180°	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2

TEST NUMBER: P1029250

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	2050.6	2042.9	2038.3	2041.4	2032.2	2009.1	2009.1	2016.8	2007.6	1998.4	1984.5
5°	2107.4	2092.1	2082.8	2081.3	2059.8	2022.9	2015.3	2007.6	1987.6	1966.1	1943.1
7.5°	2162.7	2135.1	2119.7	2109.0	2078.2	2030.6	2010.7	1993.8	1961.5	1929.2	1900.1
10°	2208.8	2168.9	2150.4	2133.5	2093.6	2033.7	2001.4	1970.7	1929.2	1887.8	1850.9
12.5°	2245.7	2199.6	2176.5	2152.0	2102.8	2024.5	1984.5	1935.4	1893.9	1838.6	1801.8
15°	2307.1	2211.9	2190.4	2167.3	2116.6	2009.1	1960.0	1904.7	1847.8	1774.1	1734.2
17.5°	2356.3	2228.8	2227.2	2178.1	2112.0	2003.0	1927.7	1855.5	1794.1	1720.3	1657.4
20°	2385.4	2254.9	2230.3	2179.6	2096.7	1961.5	1883.2	1803.3	1737.2	1648.2	1585.2
22.5°	2410.0	2291.7	2227.2	2165.8	2064.4	1947.7	1832.5	1757.2	1666.6	1569.8	1509.9
25°	2419.2	2299.4	2231.8	2161.2	2041.4	1907.7	1777.2	1695.8	1594.4	1506.8	1425.4
27.5°	2420.8	2297.9	2214.9	2141.2	2009.1	1855.5	1721.9	1635.9	1523.7	1422.4	1340.9
30°	2405.4	2281.0	2205.7	2125.9	1978.4	1807.9	1654.3	1559.1	1439.3	1337.9	1253.4
32.5°	2359.3	2247.2	2185.8	2098.2	1938.5	1741.8	1589.8	1483.8	1357.8	1258.0	1176.6
35°	2282.5	2205.7	2138.1	2056.7	1886.2	1680.4	1525.3	1400.9	1273.4	1178.1	1101.3
37.5°	2187.3	2145.8	2082.8	2003.0	1826.3	1625.1	1453.1	1314.8	1187.3	1095.2	1019.9
40°	2058.3	2069.0	2007.6	1935.4	1755.7	1549.8	1359.4	1227.3	1107.5	1021.5	947.7
42.5°	1918.5	1963.0	1927.7	1858.6	1677.3	1466.9	1290.3	1144.3	1027.6	938.5	877.1
45°	1768.0	1844.8	1823.3	1772.6	1595.9	1379.3	1192.0	1050.6	947.7	861.7	807.9
47.5°	1603.6	1712.7	1712.7	1675.8	1505.3	1291.8	1107.5	963.1	861.7	800.3	748.0
50°	1436.2	1559.1	1579.0	1554.5	1403.9	1192.0	1004.6	874.0	786.4	726.5	688.1
52.5°	1261.1	1403.9	1440.8	1428.5	1296.4	1096.7	920.1	792.6	712.7	660.5	626.7
55°	1093.6	1259.5	1299.5	1304.1	1181.2	992.3	826.4	714.3	637.4	602.1	572.9
57.5°	935.4	1095.2	1139.7	1147.4	1064.5	897.0	738.8	640.5	571.4	542.2	519.2
60°	800.3	933.9	992.3	1009.2	937.0	786.4	657.4	562.2	510.0	482.3	460.8
62.5°	689.7	797.2	858.6	863.2	831.0	689.7	572.9	493.1	448.5	423.9	413.2
65°	582.2	678.9	715.8	734.2	708.1	597.5	494.6	428.6	393.2	371.7	361.0
67.5°	496.1	557.6	588.3	612.9	586.8	503.8	420.9	367.1	341.0	319.5	313.3
70°	407.0	457.7	480.8	505.4	482.3	419.3	359.4	310.3	287.2	270.3	262.7
72.5°	325.6	365.6	387.1	402.4	388.6	336.4	287.2	253.4	236.5	224.3	219.7
75°	258.1	285.7	298.0	308.7	302.6	262.7	231.9	204.3	188.9	178.2	175.1
77.5°	196.6	216.6	230.4	233.5	225.8	199.7	173.6	156.7	144.4	138.2	135.2
80°	139.8	152.1	159.7	164.4	156.7	145.9	127.5	115.2	104.4	96.8	95.2
82.5°	93.7	99.8	106.0	104.4	101.4	92.2	81.4	75.3	70.7	64.5	64.5
85°	53.8	55.3	58.4	59.9	58.4	52.2	46.1	43.0	39.9	35.3	35.3
87.5°	23.0	24.6	24.6	26.1	23.0	23.0	20.0	16.9	16.9	15.4	13.8
90°	10.4	9.1	8.5	7.6	5.9	4.2	2.4	0.7	2.4	4.2	5.9
92.5°	15.7	15.2	15.0	15.3	15.9	16.6	17.2	17.8	17.2	16.6	15.9
95°	24.5	23.4	22.8	25.4	30.6	35.9	41.1	46.3	41.1	35.9	30.6
97.5°	28.7	26.2	24.9	31.4	44.4	57.3	70.3	83.3	70.3	57.3	44.4
100°	32.5	29.8	28.5	39.3	61.0	82.7	104.3	126.0	104.3	82.7	61.0
102.5°	128.4	157.2	171.6	171.8	172.1	172.4	172.8	173.1	172.8	172.4	172.1
105°	173.1	216.3	237.9	235.5	230.8	226.0	221.3	216.5	221.3	226.0	230.8
107.5°	204.9	258.2	284.9	282.9	279.0	275.0	271.1	267.1	271.1	275.0	279.0
110°	261.8	307.5	330.4	328.7	325.4	322.1	318.8	315.5	318.8	322.1	325.4

TEST NUMBER: P1029250

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	369.9	372.6	373.9	372.5	369.6	366.8	363.9	361.1	363.9	366.8	369.6
115°	427.5	423.6	421.6	420.3	417.6	414.9	412.2	409.5	412.2	414.9	417.6
117.5°	469.7	467.0	465.7	464.1	461.0	457.8	454.7	451.5	454.7	457.8	461.0
120°	513.5	510.6	509.2	508.0	505.6	503.3	500.9	498.5	500.9	503.3	505.6
122.5°	554.5	551.4	549.8	548.5	546.0	543.5	540.9	538.4	540.9	543.5	546.0
125°	592.7	589.7	588.2	587.2	585.1	583.1	581.0	579.0	581.0	583.1	585.1
127.5°	629.6	627.2	626.0	624.9	622.7	620.4	618.2	616.0	618.2	620.4	622.7
130°	664.9	663.2	662.3	661.0	658.5	656.0	653.4	650.9	653.4	656.0	658.5
132.5°	698.4	696.7	695.8	694.8	692.7	690.6	688.6	686.5	688.6	690.6	692.7
135°	729.9	728.5	727.8	726.5	724.0	721.5	718.9	716.4	718.9	721.5	724.0
137.5°	758.7	757.1	756.3	755.3	753.4	751.5	749.6	747.7	749.6	751.5	753.4
140°	786.7	785.0	784.1	783.5	782.2	780.9	779.7	778.4	779.7	780.9	782.2
142.5°	812.1	810.0	809.0	808.4	807.3	806.2	805.1	804.0	805.1	806.2	807.3
145°	834.4	831.7	830.4	830.5	830.6	830.8	830.9	831.1	830.9	830.8	830.6
147.5°	856.4	853.7	852.4	852.6	853.1	853.6	854.1	854.6	854.1	853.6	853.1
150°	876.2	873.7	872.4	873.0	874.1	875.2	876.3	877.4	876.3	875.2	874.1
152.5°	894.5	892.1	890.9	891.5	892.8	894.1	895.3	896.6	895.3	894.1	892.8
155°	911.5	909.6	908.7	909.4	910.8	912.3	913.7	915.1	913.7	912.3	910.8
157.5°	926.5	925.1	924.4	925.0	926.3	927.6	928.8	930.1	928.8	927.6	926.3
160°	940.0	939.1	938.6	939.1	940.0	941.0	941.9	942.9	941.9	941.0	940.0
162.5°	951.2	950.4	950.0	950.5	951.4	952.4	953.3	954.3	953.3	952.4	951.4
165°	960.7	960.2	960.0	960.5	961.4	962.3	963.3	964.2	963.3	962.3	961.4
167.5°	968.5	968.0	967.8	968.3	969.2	970.2	971.1	972.1	971.1	970.2	969.2
170°	974.7	974.4	974.2	974.7	975.6	976.6	977.5	978.5	977.5	976.6	975.6
172.5°	979.0	978.7	978.5	979.0	979.9	980.9	981.8	982.8	981.8	980.9	979.9
175°	981.8	981.5	981.3	981.9	983.0	984.1	985.2	986.3	985.2	984.1	983.0
177.5°	983.0	982.9	982.8	983.3	984.4	985.5	986.6	987.7	986.6	985.5	984.4
180°	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2

TEST NUMBER: P1029250

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	1976.9	1984.5	1983.0	1967.6	1950.7	1936.9	1910.8	1913.9	1904.7	1906.2	1915.4
5°	1927.7	1927.7	1921.6	1900.1	1872.4	1857.1	1827.9	1820.2	1801.8	1800.2	1798.7
7.5°	1875.5	1867.8	1860.1	1829.4	1795.6	1771.0	1731.1	1721.9	1703.4	1691.2	1685.0
10°	1814.0	1803.3	1787.9	1752.6	1711.1	1680.4	1638.9	1626.6	1591.3	1576.0	1566.7
12.5°	1746.5	1740.3	1715.7	1686.6	1619.0	1585.2	1525.3	1537.6	1502.2	1471.5	1466.9
15°	1678.9	1655.8	1642.0	1594.4	1513.0	1497.6	1450.0	1425.4	1393.2	1368.6	1368.6
17.5°	1612.8	1577.5	1546.8	1496.1	1436.2	1393.2	1357.8	1345.6	1305.6	1281.0	1276.4
20°	1525.3	1485.3	1477.7	1405.5	1364.0	1316.4	1282.6	1251.9	1222.7	1211.9	1204.2
22.5°	1442.3	1396.2	1384.0	1322.5	1281.0	1233.4	1199.6	1178.1	1156.6	1148.9	1135.1
25°	1353.2	1325.6	1307.2	1241.1	1195.0	1150.5	1127.4	1112.1	1092.1	1090.6	1081.4
27.5°	1267.2	1241.1	1222.7	1159.7	1125.9	1084.4	1066.0	1049.1	1038.4	1033.7	1029.1
30°	1193.5	1164.3	1142.8	1096.7	1055.2	1021.5	1006.1	995.3	989.2	981.5	980.0
32.5°	1112.1	1095.2	1066.0	1030.7	998.4	966.2	956.9	949.3	940.0	937.0	935.4
35°	1043.0	1019.9	1001.5	961.5	947.7	920.1	909.3	903.2	890.9	887.8	884.7
37.5°	975.4	953.9	933.9	909.3	883.2	867.9	861.7	852.5	846.3	847.9	844.8
40°	907.8	890.9	875.5	849.4	834.1	826.4	814.1	804.9	801.8	803.3	801.8
42.5°	841.7	826.4	817.2	797.2	781.8	774.2	766.5	757.3	761.9	761.9	766.5
45°	781.8	768.0	761.9	746.5	737.3	725.0	717.3	715.8	721.9	720.4	720.4
47.5°	720.4	715.8	708.1	694.3	682.0	674.3	672.8	672.8	678.9	682.0	680.5
50°	672.8	663.6	654.3	643.6	634.4	631.3	626.7	629.8	635.9	635.9	639.0
52.5°	612.9	606.7	603.7	594.4	588.3	588.3	588.3	589.8	594.4	599.0	597.5
55°	560.6	556.0	553.0	548.4	540.7	542.2	540.7	543.8	548.4	553.0	556.0
57.5°	505.4	503.8	500.7	493.1	493.1	491.5	496.1	497.7	505.4	508.4	513.0
60°	456.2	451.6	451.6	445.4	445.4	445.4	450.1	454.7	460.8	462.3	465.4
62.5°	404.0	404.0	402.4	397.8	397.8	402.4	404.0	410.1	413.2	413.2	417.8
65°	354.8	353.3	351.7	353.3	354.8	354.8	359.4	362.5	365.6	367.1	368.6
67.5°	305.7	304.1	307.2	305.7	308.7	314.9	313.3	318.0	322.6	322.6	324.1
70°	259.6	262.7	261.1	264.2	262.7	265.7	270.3	271.9	271.9	273.4	278.0
72.5°	216.6	216.6	216.6	215.0	216.6	219.7	222.7	224.3	227.3	228.9	233.5
75°	175.1	175.1	172.0	175.1	175.1	178.2	181.3	181.3	181.3	184.3	188.9
77.5°	132.1	133.6	132.1	135.2	135.2	136.7	139.8	138.2	141.3	142.9	144.4
80°	96.8	95.2	95.2	95.2	96.8	96.8	99.8	101.4	101.4	106.0	102.9
82.5°	61.4	63.0	61.4	63.0	63.0	64.5	63.0	64.5	66.0	69.1	67.6
85°	35.3	33.8	33.8	35.3	33.8	33.8	35.3	33.8	35.3	33.8	35.3
87.5°	13.8	12.3	12.3	12.3	12.3	10.8	10.8	9.2	9.2	9.2	7.7
90°	7.6	8.5	9.1	10.4	11.7	12.9	14.2	15.0	15.8	16.6	17.4
92.5°	15.3	15.0	15.2	15.7	16.2	16.6	17.1	17.4	17.7	18.0	18.3
95°	25.4	22.8	23.4	24.5	25.6	26.7	27.8	28.6	29.4	30.1	30.9
97.5°	31.4	24.9	26.2	28.7	31.2	33.8	36.3	36.8	37.3	37.8	38.3
100°	39.3	28.5	29.8	32.5	35.2	37.9	40.6	41.9	43.1	44.4	45.7
102.5°	171.8	171.6	157.2	128.4	99.6	70.8	42.0	43.7	45.5	47.2	48.9
105°	235.5	237.9	216.3	173.1	129.8	86.6	43.4	45.2	46.9	48.7	50.4
107.5°	282.9	284.9	258.2	204.9	151.6	98.2	44.9	46.6	48.4	50.1	51.8
110°	328.7	330.4	307.5	261.8	216.1	170.3	124.6	108.8	93.0	77.1	61.3

TEST NUMBER: P1029250

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	372.5	373.9	372.6	369.9	367.2	364.5	361.8	293.6	225.4	157.1	88.9
115°	420.3	421.6	423.6	427.5	431.5	435.4	439.4	366.1	292.9	219.6	146.3
117.5°	464.1	465.7	467.0	469.7	472.4	475.1	477.8	455.2	432.6	409.9	387.3
120°	508.0	509.2	510.6	513.5	516.3	519.2	522.0	523.9	525.8	527.7	529.6
122.5°	548.5	549.8	551.4	554.5	557.7	560.8	564.0	565.0	565.9	566.9	567.8
125°	587.2	588.2	589.7	592.7	595.8	598.8	601.8	602.9	604.0	605.1	606.2
127.5°	624.9	626.0	627.2	629.6	631.9	634.3	636.7	638.3	639.9	641.4	643.0
130°	661.0	662.3	663.2	664.9	666.6	668.4	670.1	671.9	673.6	675.4	677.1
132.5°	694.8	695.8	696.7	698.4	700.1	701.9	703.6	705.0	706.4	707.9	709.3
135°	726.5	727.8	728.5	729.9	731.4	732.8	734.2	735.8	737.4	738.9	740.5
137.5°	755.3	756.3	757.1	758.7	760.2	761.8	763.4	765.0	766.6	768.1	769.7
140°	783.5	784.1	785.0	786.7	788.4	790.2	791.9	793.3	794.7	796.2	797.6
142.5°	808.4	809.0	810.0	812.1	814.2	816.2	818.3	819.5	820.8	822.0	823.3
145°	830.5	830.4	831.7	834.4	837.1	839.8	842.5	843.6	844.7	845.8	846.9
147.5°	852.6	852.4	853.7	856.4	859.1	861.8	864.5	865.3	866.1	866.9	867.7
150°	873.0	872.4	873.7	876.2	878.7	881.3	883.8	884.7	885.7	886.6	887.5
152.5°	891.5	890.9	892.1	894.5	896.8	899.2	901.6	902.5	903.5	904.4	905.3
155°	909.4	908.7	909.6	911.5	913.4	915.3	917.2	918.2	919.1	920.1	921.0
157.5°	925.0	924.4	925.1	926.5	928.0	929.4	930.8	931.9	933.0	934.1	935.2
160°	939.1	938.6	939.1	940.0	941.0	941.9	942.9	943.8	944.8	945.7	946.6
162.5°	950.5	950.0	950.4	951.2	952.0	952.8	953.6	954.7	955.8	956.9	958.0
165°	960.5	960.0	960.2	960.7	961.2	961.6	962.1	963.2	964.3	965.4	966.5
167.5°	968.3	967.8	968.0	968.5	969.0	969.4	969.9	971.0	972.1	973.2	974.3
170°	974.7	974.2	974.4	974.7	975.0	975.3	975.6	976.7	977.8	978.9	980.0
172.5°	979.0	978.5	978.7	979.0	979.3	979.6	979.9	981.0	982.1	983.2	984.3
175°	981.9	981.3	981.5	981.8	982.1	982.5	982.8	983.9	985.0	986.1	987.2
177.5°	983.3	982.8	982.9	983.0	983.2	983.3	983.5	984.6	985.7	986.8	987.9
180°	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2

TEST NUMBER: P1029250

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	1904.7	1909.3	1898.5	1895.5	1898.5	1887.8	1890.8	1893.9	1893.9	1898.5	1901.6
5°	1794.1	1787.9	1777.2	1774.1	1771.0	1775.6	1772.6	1777.2	1778.7	1789.5	1791.0
7.5°	1685.0	1675.8	1666.6	1657.4	1654.3	1646.6	1654.3	1654.3	1665.0	1662.0	1669.7
10°	1556.0	1554.5	1542.2	1537.6	1531.4	1519.1	1536.0	1531.4	1539.1	1552.9	1556.0
12.5°	1460.8	1443.9	1451.5	1430.0	1437.7	1425.4	1427.0	1427.0	1439.3	1440.8	1437.7
15°	1370.1	1356.3	1336.3	1327.1	1322.5	1316.4	1336.3	1337.9	1328.7	1350.2	1342.5
17.5°	1278.0	1278.0	1259.5	1254.9	1242.6	1248.8	1245.7	1247.2	1244.2	1259.5	1267.2
20°	1198.1	1190.4	1184.3	1185.8	1170.4	1167.4	1164.3	1167.4	1178.1	1188.9	1192.0
22.5°	1133.6	1129.0	1113.6	1116.7	1104.4	1109.0	1105.9	1113.6	1115.2	1115.2	1125.9
25°	1072.1	1066.0	1067.5	1061.4	1056.8	1056.8	1052.2	1056.8	1062.9	1066.0	1067.5
27.5°	1026.1	1021.5	1013.8	1009.2	1012.2	1004.6	1010.7	1015.3	1015.3	1012.2	1015.3
30°	970.8	973.8	973.8	958.5	964.6	961.5	966.2	969.2	969.2	970.8	967.7
32.5°	933.9	924.7	923.1	921.6	921.6	915.5	915.5	920.1	921.6	923.1	927.8
35°	884.7	884.7	877.1	881.7	875.5	877.1	875.5	877.1	880.1	875.5	880.1
37.5°	840.2	841.7	838.7	841.7	843.3	840.2	837.1	843.3	840.2	840.2	837.1
40°	801.8	800.3	801.8	801.8	801.8	803.3	800.3	800.3	800.3	797.2	794.1
42.5°	769.5	760.3	763.4	764.9	760.3	760.3	761.9	760.3	764.9	755.7	755.7
45°	723.5	720.4	721.9	721.9	725.0	720.4	723.5	725.0	720.4	718.9	715.8
47.5°	682.0	685.1	682.0	685.1	685.1	688.1	682.0	683.5	685.1	678.9	674.3
50°	640.5	640.5	645.1	643.6	645.1	642.1	642.1	640.5	642.1	639.0	634.4
52.5°	602.1	597.5	605.2	603.7	602.1	600.6	599.0	600.6	597.5	594.4	594.4
55°	554.5	554.5	559.1	560.6	560.6	557.6	554.5	556.0	554.5	553.0	551.4
57.5°	516.1	510.0	513.0	514.6	514.6	510.0	513.0	510.0	510.0	511.5	506.9
60°	467.0	467.0	463.9	468.5	468.5	465.4	465.4	467.0	463.9	462.3	460.8
62.5°	414.7	416.3	420.9	422.4	423.9	420.9	417.8	419.3	419.3	414.7	416.3
65°	370.2	373.3	379.4	377.9	374.8	376.3	373.3	374.8	370.2	371.7	367.1
67.5°	327.2	325.6	327.2	327.2	330.2	328.7	325.6	325.6	324.1	328.7	324.1
70°	281.1	281.1	281.1	281.1	282.6	284.2	281.1	278.0	279.6	276.5	274.9
72.5°	233.5	235.0	233.5	236.5	231.9	235.0	235.0	233.5	231.9	231.9	231.9
75°	188.9	192.0	187.4	188.9	187.4	190.5	188.9	188.9	185.9	184.3	185.9
77.5°	144.4	145.9	142.9	144.4	142.9	144.4	144.4	142.9	142.9	142.9	142.9
80°	102.9	104.4	102.9	101.4	99.8	102.9	99.8	101.4	102.9	101.4	104.4
82.5°	66.0	66.0	64.5	66.0	63.0	63.0	64.5	64.5	63.0	66.0	63.0
85°	32.3	32.3	35.3	32.3	30.7	30.7	30.7	32.3	30.7	33.8	32.3
87.5°	7.7	6.1	7.7	7.7	6.1	6.1	7.7	6.1	7.7	9.2	6.1
90°	17.8	18.0	18.3	18.6	18.9	19.2	18.9	18.6	18.3	18.0	17.8
92.5°	18.5	18.6	18.7	18.9	19.0	19.2	19.0	18.9	18.7	18.6	18.5
95°	31.3	31.2	31.1	30.9	30.8	30.6	30.8	30.9	31.1	31.2	31.3
97.5°	38.5	38.6	38.7	38.9	39.0	39.2	39.0	38.9	38.7	38.6	38.5
100°	46.3	46.5	46.8	47.1	47.4	47.7	47.4	47.1	46.8	46.5	46.3
102.5°	49.8	50.0	50.5	51.0	51.5	52.0	51.5	51.0	50.5	50.0	49.8
105°	51.3	51.6	52.2	52.9	53.5	54.1	53.5	52.9	52.2	51.6	51.3
107.5°	52.7	53.0	53.6	54.3	54.9	55.5	54.9	54.3	53.6	53.0	52.7
110°	53.4	53.7	54.4	55.0	55.7	56.3	55.7	55.0	54.4	53.7	53.4

TEST NUMBER: P1029250

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	54.8	55.0	55.5	56.0	56.5	57.0	56.5	56.0	55.5	55.0	54.8
115°	109.7	104.0	92.6	81.2	69.8	58.4	69.8	81.2	92.6	104.0	109.7
117.5°	376.0	355.3	313.8	272.3	230.9	189.4	230.9	272.3	313.8	355.3	376.0
120°	530.5	519.8	498.5	477.1	455.8	434.4	455.8	477.1	498.5	519.8	530.5
122.5°	568.3	568.4	568.5	568.7	568.8	569.0	568.8	568.7	568.5	568.4	568.3
125°	606.7	606.9	607.4	607.9	608.4	608.9	608.4	607.9	607.4	606.9	606.7
127.5°	643.8	643.9	644.0	644.2	644.3	644.5	644.3	644.2	644.0	643.9	643.8
130°	678.0	677.9	677.7	677.6	677.4	677.2	677.4	677.6	677.7	677.9	678.0
132.5°	710.0	709.9	709.8	709.6	709.5	709.3	709.5	709.6	709.8	709.9	710.0
135°	741.3	741.1	740.8	740.5	740.2	739.9	740.2	740.5	740.8	741.1	741.3
137.5°	770.5	770.3	769.8	769.3	768.9	768.4	768.9	769.3	769.8	770.3	770.5
140°	798.3	797.9	797.1	796.3	795.5	794.7	795.5	796.3	797.1	797.9	798.3
142.5°	823.9	823.5	822.7	822.0	821.2	820.4	821.2	822.0	822.7	823.5	823.9
145°	847.4	847.0	846.2	845.5	844.7	843.9	844.7	845.5	846.2	847.0	847.4
147.5°	868.1	867.8	867.2	866.5	865.9	865.3	865.9	866.5	867.2	867.8	868.1
150°	888.0	887.6	886.8	886.1	885.3	884.5	885.3	886.1	886.8	887.6	888.0
152.5°	905.8	905.3	904.2	903.1	902.0	900.9	902.0	903.1	904.2	905.3	905.8
155°	921.5	920.9	919.6	918.3	917.1	915.8	917.1	918.3	919.6	920.9	921.5
157.5°	935.8	935.2	933.9	932.6	931.4	930.1	931.4	932.6	933.9	935.2	935.8
160°	947.1	946.6	945.5	944.4	943.3	942.2	943.3	944.4	945.5	946.6	947.1
162.5°	958.5	957.8	956.4	954.9	953.5	952.1	953.5	954.9	956.4	957.8	958.5
165°	967.1	966.5	965.4	964.3	963.2	962.1	963.2	964.3	965.4	966.5	967.1
167.5°	974.9	974.2	972.8	971.3	969.9	968.5	969.9	971.3	972.8	974.2	974.9
170°	980.6	979.9	978.5	977.0	975.6	974.2	975.6	977.0	978.5	979.9	980.6
172.5°	984.9	984.2	982.8	981.3	979.9	978.5	979.9	981.3	982.8	984.2	984.9
175°	987.7	986.9	985.3	983.8	982.2	980.6	982.2	983.8	985.3	986.9	987.7
177.5°	988.5	987.8	986.3	984.9	983.4	982.0	983.4	984.9	986.3	987.8	988.5
180°	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2

TEST NUMBER: P1029250

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	1897.0	1909.3	1904.7	1887.8	1907.7	1907.7	1921.6	1921.6	1938.5	1944.6	1953.8
5°	1789.5	1798.7	1806.4	1798.7	1812.5	1834.0	1846.3	1857.1	1880.1	1889.3	1903.1
7.5°	1674.3	1691.2	1698.8	1698.8	1721.9	1746.5	1771.0	1786.4	1818.6	1830.9	1844.8
10°	1562.1	1582.1	1597.5	1595.9	1634.3	1649.7	1680.4	1715.7	1748.0	1766.4	1786.4
12.5°	1443.9	1454.6	1476.1	1506.8	1516.1	1543.7	1579.0	1623.6	1681.9	1698.8	1728.0
15°	1345.6	1374.7	1391.6	1405.5	1427.0	1453.1	1491.5	1534.5	1592.9	1629.7	1660.4
17.5°	1262.6	1301.0	1311.8	1308.7	1336.3	1376.3	1420.8	1453.1	1505.3	1549.8	1579.0
20°	1195.0	1210.4	1228.8	1236.5	1258.0	1301.0	1344.0	1380.9	1423.9	1459.2	1493.0
22.5°	1127.4	1139.7	1155.1	1168.9	1185.8	1210.4	1251.9	1297.9	1339.4	1373.2	1411.6
25°	1072.1	1079.8	1093.6	1104.4	1122.8	1139.7	1168.9	1219.6	1268.8	1288.7	1322.5
27.5°	1018.4	1024.5	1033.7	1046.0	1055.2	1072.1	1098.3	1139.7	1190.4	1210.4	1256.5
30°	970.8	975.4	984.6	990.7	995.3	1015.3	1035.3	1067.5	1105.9	1133.6	1167.4
32.5°	926.2	930.8	940.0	941.6	947.7	958.5	976.9	1006.1	1039.9	1062.9	1092.1
35°	877.1	880.1	889.4	892.4	897.0	906.3	920.1	941.6	972.3	989.2	1015.3
37.5°	838.7	837.1	843.3	847.9	854.0	858.6	863.2	884.7	907.8	923.1	943.1
40°	797.2	794.1	795.7	801.8	804.9	811.0	811.0	832.5	847.9	860.2	875.5
42.5°	755.7	754.2	751.1	754.2	757.3	758.8	760.3	775.7	791.1	801.8	818.7
45°	714.3	712.7	709.6	711.2	711.2	714.3	718.9	725.0	735.8	745.0	754.2
47.5°	675.8	672.8	668.2	666.6	669.7	669.7	669.7	675.8	686.6	689.7	698.9
50°	635.9	631.3	625.2	622.1	622.1	620.6	623.6	625.2	634.4	637.4	645.1
52.5°	592.9	589.8	583.7	577.5	579.1	576.0	577.5	579.1	582.2	586.8	591.4
55°	549.9	543.8	539.1	537.6	533.0	533.0	528.4	534.5	533.0	534.5	540.7
57.5°	508.4	502.3	494.6	491.5	486.9	485.4	482.3	480.8	482.3	486.9	491.5
60°	459.3	456.2	451.6	447.0	443.9	439.3	436.2	436.2	434.7	434.7	436.2
62.5°	411.7	410.1	404.0	402.4	399.4	396.3	391.7	388.6	388.6	391.7	393.2
65°	365.6	364.0	359.4	357.9	350.2	347.1	345.6	344.1	341.0	341.0	341.0
67.5°	322.6	318.0	318.0	310.3	304.1	301.1	298.0	296.5	296.5	296.5	298.0
70°	274.9	274.9	270.3	265.7	259.6	261.1	256.5	251.9	251.9	248.8	250.4
72.5°	228.9	227.3	222.7	221.2	216.6	212.0	208.9	212.0	207.4	205.8	207.4
75°	184.3	182.8	179.7	176.6	178.2	173.6	169.0	167.4	167.4	164.4	164.4
77.5°	141.3	144.4	138.2	136.7	133.6	130.6	129.0	127.5	127.5	127.5	130.6
80°	98.3	99.8	99.8	96.8	98.3	93.7	93.7	93.7	89.1	90.6	92.2
82.5°	63.0	63.0	61.4	63.0	61.4	61.4	59.9	59.9	58.4	58.4	59.9
85°	35.3	33.8	32.3	35.3	33.8	33.8	32.3	32.3	32.3	32.3	32.3
87.5°	7.7	9.2	9.2	9.2	9.2	10.8	10.8	10.8	12.3	12.3	12.3
90°	17.4	16.6	15.8	15.0	14.2	12.9	11.7	10.4	9.1	8.5	7.6
92.5°	18.3	18.0	17.7	17.4	17.1	16.6	16.2	15.7	15.2	15.0	15.3
95°	30.9	30.1	29.4	28.6	27.8	26.7	25.6	24.5	23.4	22.8	25.4
97.5°	38.3	37.8	37.3	36.8	36.3	33.8	31.2	28.7	26.2	24.9	31.4
100°	45.7	44.4	43.1	41.9	40.6	37.9	35.2	32.5	29.8	28.5	39.3
102.5°	48.9	47.2	45.5	43.7	42.0	70.8	99.6	128.4	157.2	171.6	171.8
105°	50.4	48.7	46.9	45.2	43.4	86.6	129.8	173.1	216.3	237.9	235.5
107.5°	51.8	50.1	48.4	46.6	44.9	98.2	151.6	204.9	258.2	284.9	282.9
110°	61.3	77.1	93.0	108.8	124.6	170.3	216.1	261.8	307.5	330.4	328.7

TEST NUMBER: P1029250

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	88.9	157.1	225.4	293.6	361.8	364.5	367.2	369.9	372.6	373.9	372.5
115°	146.3	219.6	292.9	366.1	439.4	435.4	431.5	427.5	423.6	421.6	420.3
117.5°	387.3	409.9	432.6	455.2	477.8	475.1	472.4	469.7	467.0	465.7	464.1
120°	529.6	527.7	525.8	523.9	522.0	519.2	516.3	513.5	510.6	509.2	508.0
122.5°	567.8	566.9	565.9	565.0	564.0	560.8	557.7	554.5	551.4	549.8	548.5
125°	606.2	605.1	604.0	602.9	601.8	598.8	595.8	592.7	589.7	588.2	587.2
127.5°	643.0	641.4	639.9	638.3	636.7	634.3	631.9	629.6	627.2	626.0	624.9
130°	677.1	675.4	673.6	671.9	670.1	668.4	666.6	664.9	663.2	662.3	661.0
132.5°	709.3	707.9	706.4	705.0	703.6	701.9	700.1	698.4	696.7	695.8	694.8
135°	740.5	738.9	737.4	735.8	734.2	732.8	731.4	729.9	728.5	727.8	726.5
137.5°	769.7	768.1	766.6	765.0	763.4	761.8	760.2	758.7	757.1	756.3	755.3
140°	797.6	796.2	794.7	793.3	791.9	790.2	788.4	786.7	785.0	784.1	783.5
142.5°	823.3	822.0	820.8	819.5	818.3	816.2	814.2	812.1	810.0	809.0	808.4
145°	846.9	845.8	844.7	843.6	842.5	839.8	837.1	834.4	831.7	830.4	830.5
147.5°	867.7	866.9	866.1	865.3	864.5	861.8	859.1	856.4	853.7	852.4	852.6
150°	887.5	886.6	885.7	884.7	883.8	881.3	878.7	876.2	873.7	872.4	873.0
152.5°	905.3	904.4	903.5	902.5	901.6	899.2	896.8	894.5	892.1	890.9	891.5
155°	921.0	920.1	919.1	918.2	917.2	915.3	913.4	911.5	909.6	908.7	909.4
157.5°	935.2	934.1	933.0	931.9	930.8	929.4	928.0	926.5	925.1	924.4	925.0
160°	946.6	945.7	944.8	943.8	942.9	941.9	941.0	940.0	939.1	938.6	939.1
162.5°	958.0	956.9	955.8	954.7	953.6	952.8	952.0	951.2	950.4	950.0	950.5
165°	966.5	965.4	964.3	963.2	962.1	961.6	961.2	960.7	960.2	960.0	960.5
167.5°	974.3	973.2	972.1	971.0	969.9	969.4	969.0	968.5	968.0	967.8	968.3
170°	980.0	978.9	977.8	976.7	975.6	975.3	975.0	974.7	974.4	974.2	974.7
172.5°	984.3	983.2	982.1	981.0	979.9	979.6	979.3	979.0	978.7	978.5	979.0
175°	987.2	986.1	985.0	983.9	982.8	982.5	982.1	981.8	981.5	981.3	981.9
177.5°	987.9	986.8	985.7	984.6	983.5	983.3	983.2	983.0	982.9	982.8	983.3
180°	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2	984.2

TEST NUMBER: P1029250

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1998.4	1998.4	1998.4	1998.4
2.5°	1961.5	1961.5	1984.5	2009.1
5°	1918.5	1929.2	1966.1	1999.9
7.5°	1877.0	1895.5	1941.5	1984.5
10°	1826.3	1850.9	1907.7	1958.4
12.5°	1777.2	1800.2	1866.3	1923.1
15°	1708.1	1737.2	1807.9	1878.6
17.5°	1638.9	1668.1	1754.1	1837.1
20°	1557.5	1595.9	1692.7	1803.3
22.5°	1482.3	1529.9	1637.4	1726.5
25°	1399.3	1473.0	1572.9	1688.1
27.5°	1325.6	1399.3	1500.7	1617.4
30°	1242.6	1317.9	1422.4	1529.9
32.5°	1162.8	1231.9	1333.3	1465.4
35°	1079.8	1145.9	1244.2	1377.8
37.5°	1004.6	1069.1	1176.6	1299.5
40°	930.8	998.4	1090.6	1213.5
42.5°	861.7	921.6	1004.6	1127.4
45°	798.7	841.7	918.5	1033.7
47.5°	732.7	771.1	841.7	956.9
50°	671.2	703.5	764.9	872.5
52.5°	611.3	639.0	695.8	781.8
55°	557.6	583.7	625.2	709.6
57.5°	502.3	522.2	562.2	629.8
60°	448.5	467.0	499.2	554.5
62.5°	394.8	410.1	440.8	485.4
65°	347.1	359.4	382.5	420.9
67.5°	301.1	308.7	327.2	357.9
70°	256.5	262.7	278.0	302.6
72.5°	208.9	215.0	231.9	248.8
75°	169.0	170.5	182.8	196.6
77.5°	132.1	130.6	139.8	150.5
80°	90.6	95.2	102.9	107.5
82.5°	61.4	63.0	66.0	69.1
85°	33.8	35.3	35.3	39.9
87.5°	13.8	15.4	15.4	16.9
90°	5.9	4.2	2.4	0.7
92.5°	15.9	16.6	17.2	17.8
95°	30.6	35.9	41.1	46.3
97.5°	44.4	57.3	70.3	83.3
100°	61.0	82.7	104.3	126.0
102.5°	172.1	172.4	172.8	173.1
105°	230.8	226.0	221.3	216.5
107.5°	279.0	275.0	271.1	267.1
110°	325.4	322.1	318.8	315.5

TEST NUMBER: P1029250

CATALOG NUMBER: S122DIW-B1005D710UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	369.6	366.8	363.9	361.1
115°	417.6	414.9	412.2	409.5
117.5°	461.0	457.8	454.7	451.5
120°	505.6	503.3	500.9	498.5
122.5°	546.0	543.5	540.9	538.4
125°	585.1	583.1	581.0	579.0
127.5°	622.7	620.4	618.2	616.0
130°	658.5	656.0	653.4	650.9
132.5°	692.7	690.6	688.6	686.5
135°	724.0	721.5	718.9	716.4
137.5°	753.4	751.5	749.6	747.7
140°	782.2	780.9	779.7	778.4
142.5°	807.3	806.2	805.1	804.0
145°	830.6	830.8	830.9	831.1
147.5°	853.1	853.6	854.1	854.6
150°	874.1	875.2	876.3	877.4
152.5°	892.8	894.1	895.3	896.6
155°	910.8	912.3	913.7	915.1
157.5°	926.3	927.6	928.8	930.1
160°	940.0	941.0	941.9	942.9
162.5°	951.4	952.4	953.3	954.3
165°	961.4	962.3	963.3	964.2
167.5°	969.2	970.2	971.1	972.1
170°	975.6	976.6	977.5	978.5
172.5°	979.9	980.9	981.8	982.8
175°	983.0	984.1	985.2	986.3
177.5°	984.4	985.5	986.6	987.7
180°	984.2	984.2	984.2	984.2

(END OF REPORT)