

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: P1029281

Luminaire Tested: S122DIW-B1005D970UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029281
REPORT IS A COMBINATION OF REPORTS P985400 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIW-B1005D970UB2750-4F0-XX-W2A-A_4000K
Description: Define 2 Direct/Indirect Wall Mount with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

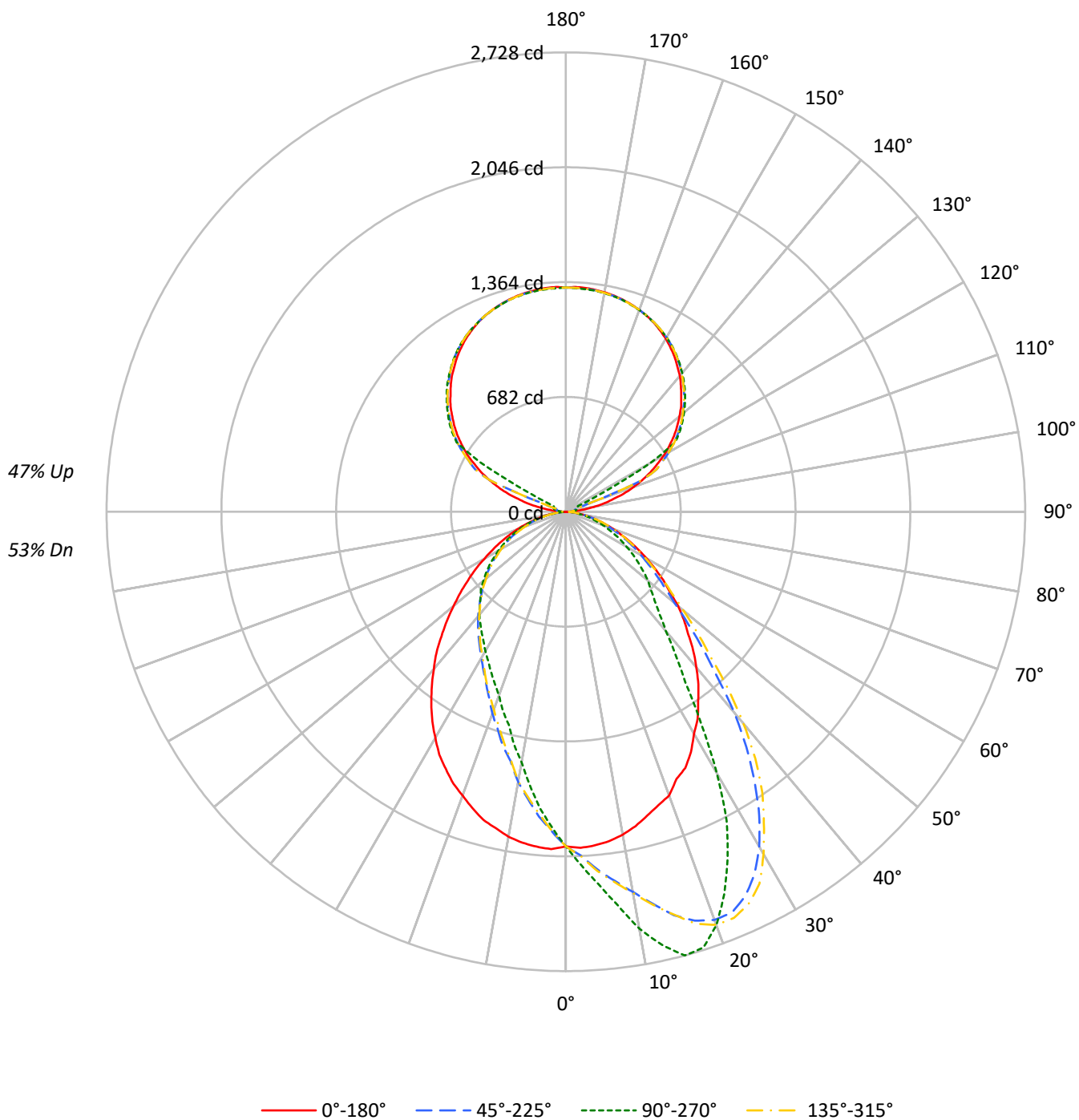
Lumens per Lamp: N/A
Luminaire Lumens: 8290.0 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 92.8
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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59
1	99	95	91	88	92	88	85	82	75	73	71	64	62	60	53	52	51
2	91	83	77	73	84	78	72	68	67	63	59	56	54	51	47	45	43
3	83	74	67	61	77	69	62	57	59	54	51	50	47	44	42	40	38
4	76	66	58	52	70	61	54	49	53	48	44	45	41	38	38	35	33
5	70	59	51	45	65	55	48	43	48	42	38	41	37	33	35	31	29
6	65	53	45	39	60	50	42	37	43	38	33	37	33	30	32	28	26
7	60	48	40	35	56	45	38	33	39	34	30	34	30	26	29	26	23
8	56	44	36	31	52	41	34	29	36	30	27	31	27	24	27	23	21
9	52	40	33	28	48	38	31	26	33	28	24	29	24	21	25	21	19
10	49	37	30	25	45	35	28	24	31	25	22	27	22	19	23	20	17

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	2.3
10°-20°	550.9	6.6
20°-30°	799.5	9.6
30°-40°	842.8	10.2
40°-50°	745.8	9.0
50°-60°	595.5	7.2
60°-70°	404.5	4.9
70°-80°	207.0	2.5
80°-90°	51.2	0.6
90°-100°	43.9	0.5
100°-110°	163.7	2.0
110°-120°	434.1	5.2
120°-130°	720.0	8.7
130°-140°	764.8	9.2
140°-150°	710.8	8.6
150°-160°	571.4	6.9
160°-170°	368.2	4.4
170°-180°	126.7	1.5
0°-30°	1539.6	18.6
0°-40°	2382.4	28.7
0°-60°	3723.7	44.9
0°-90°	4386.4	52.9
90°-120°	641.7	7.7
90°-150°	2837.2	34.2
90°-180°	3904.0	47.1
0°-180°	8290.0	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°	1	26	1	26	1	6
95°	63	41	63	41	63	74
105°	293	73	293	73	293	313
115°	554	79	554	79	554	545
125°	783	824	783	824	783	699
135°	969	1001	969	1001	969	749
145°	1124	1142	1124	1142	1124	703
155°	1238	1239	1238	1239	1238	571
165°	1305	1302	1305	1302	1305	369
175°	1334	1327	1334	1327	1334	127
180°	1332	1332	1332	1332	1332	

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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°	1.0	3.4	5.7	8.1	10.4	11.6	12.5	14.2	15.9	17.6	19.3
92.5°	24.1	23.2	22.4	21.5	20.6	20.2	20.5	21.2	21.8	22.5	23.1
95°	62.6	55.5	48.5	41.4	34.3	30.8	31.6	33.1	34.6	36.1	37.6
97.5°	112.7	95.1	77.6	60.0	42.5	33.7	35.4	38.8	42.3	45.7	49.1
100°	170.5	141.2	111.8	82.5	53.2	38.5	40.3	44.0	47.6	51.3	54.9
102.5°	234.1	233.7	233.3	232.8	232.4	232.2	212.7	173.7	134.8	95.8	56.8
105°	292.9	299.3	305.7	312.2	318.6	321.8	292.6	234.1	175.7	117.2	58.8
107.5°	361.3	366.7	372.0	377.4	382.7	385.4	349.3	277.2	205.0	132.9	60.7
110°	426.8	431.3	435.8	440.3	444.8	447.1	416.2	354.3	292.4	230.5	168.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	488.5	492.3	496.2	500.0	503.9	505.8	504.0	500.4	496.7	493.1	489.5
115°	554.0	557.6	561.3	564.9	568.6	570.4	573.1	578.4	583.8	589.1	594.5
117.5°	610.9	615.2	619.4	623.7	628.0	630.1	631.9	635.6	639.2	642.9	646.5
120°	674.4	677.6	680.8	684.1	687.3	688.9	690.8	694.7	698.5	702.4	706.2
122.5°	728.4	731.8	735.2	738.7	742.1	743.8	745.9	750.2	754.5	758.8	763.1
125°	783.3	786.1	788.9	791.7	794.5	795.9	797.9	802.0	806.1	810.1	814.2
127.5°	833.4	836.4	839.4	842.4	845.4	846.9	848.5	851.7	855.0	858.2	861.4
130°	880.6	884.0	887.5	890.9	894.4	896.1	897.3	899.6	902.0	904.3	906.7
132.5°	928.8	931.6	934.4	937.1	939.9	941.3	942.5	944.8	947.2	949.5	951.9
135°	969.3	972.7	976.1	979.6	983.0	984.7	985.7	987.6	989.5	991.5	993.4
137.5°	1011.7	1014.3	1016.8	1019.4	1021.9	1023.2	1024.3	1026.4	1028.6	1030.7	1032.9
140°	1053.1	1054.8	1056.5	1058.2	1059.9	1060.8	1062.0	1064.3	1066.7	1069.0	1071.4
142.5°	1087.8	1089.3	1090.8	1092.3	1093.8	1094.5	1095.9	1098.7	1101.5	1104.3	1107.1
145°	1124.4	1124.2	1124.0	1123.7	1123.5	1123.4	1125.2	1128.9	1132.5	1136.2	1139.8
147.5°	1156.2	1155.6	1154.9	1154.3	1153.6	1153.3	1155.1	1158.8	1162.4	1166.1	1169.7
150°	1187.0	1185.5	1184.0	1182.5	1181.0	1180.3	1182.0	1185.4	1188.9	1192.3	1195.7
152.5°	1213.0	1211.3	1209.6	1207.9	1206.2	1205.3	1206.9	1210.1	1213.4	1216.6	1219.8
155°	1238.1	1236.2	1234.2	1232.3	1230.4	1229.4	1230.7	1233.3	1235.8	1238.4	1241.0
157.5°	1258.3	1256.6	1254.9	1253.2	1251.5	1250.6	1251.6	1253.5	1255.4	1257.4	1259.3
160°	1275.7	1274.4	1273.1	1271.8	1270.5	1269.9	1270.5	1271.8	1273.1	1274.4	1275.7
162.5°	1291.1	1289.8	1288.5	1287.2	1285.9	1285.3	1285.8	1286.9	1288.0	1289.0	1290.1
165°	1304.6	1303.3	1302.0	1300.7	1299.4	1298.8	1299.1	1299.8	1300.4	1301.1	1301.7
167.5°	1315.2	1313.9	1312.6	1311.3	1310.0	1309.4	1309.7	1310.4	1311.0	1311.7	1312.3
170°	1323.8	1322.5	1321.3	1320.0	1318.7	1318.1	1318.3	1318.7	1319.2	1319.6	1320.0
172.5°	1329.6	1328.3	1327.0	1325.7	1324.4	1323.8	1324.0	1324.5	1324.9	1325.4	1325.8
175°	1334.4	1332.9	1331.4	1329.9	1328.4	1327.7	1327.9	1328.3	1328.8	1329.2	1329.6
177.5°	1336.4	1334.9	1333.4	1331.9	1330.4	1329.6	1329.7	1329.9	1330.2	1330.4	1330.6
180°	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6

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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°	20.4	21.4	22.5	23.6	24.1	24.3	24.7	25.2	25.6	26.0	25.6
92.5°	23.5	24.0	24.4	24.9	25.1	25.2	25.4	25.6	25.8	26.0	25.8
95°	38.7	39.7	40.8	41.9	42.4	42.3	42.1	41.8	41.6	41.4	41.6
97.5°	49.7	50.4	51.0	51.7	52.0	52.1	52.3	52.6	52.8	53.0	52.8
100°	56.6	58.3	60.0	61.7	62.6	62.8	63.3	63.7	64.2	64.6	64.2
102.5°	59.2	61.5	63.9	66.2	67.4	67.7	68.4	69.0	69.7	70.3	69.7
105°	61.2	63.5	65.9	68.2	69.4	69.8	70.7	71.5	72.4	73.2	72.4
107.5°	63.1	65.4	67.8	70.1	71.3	71.7	72.6	73.5	74.3	75.2	74.3
110°	147.2	125.8	104.4	83.0	72.3	72.7	73.6	74.4	75.3	76.1	75.3

TEST NUMBER: P1029281

CATALOG NUMBER: S122DIW-B1005D970UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	397.2	304.9	212.6	120.3	74.2	74.5	75.2	75.8	76.5	77.1	76.5
115°	495.4	396.2	297.1	198.0	148.4	140.7	125.3	109.8	94.4	79.0	94.4
117.5°	615.9	585.3	554.6	524.0	508.7	480.7	424.6	368.5	312.4	256.3	312.4
120°	708.8	711.4	713.9	716.5	717.8	703.3	674.4	645.5	616.6	587.7	616.6
122.5°	764.4	765.7	767.0	768.3	768.9	769.0	769.2	769.4	769.6	769.8	769.6
125°	815.7	817.2	818.7	820.2	820.9	821.2	821.9	822.5	823.2	823.8	823.2
127.5°	863.5	865.7	867.8	869.9	871.0	871.1	871.3	871.6	871.8	872.0	871.8
130°	909.1	911.4	913.8	916.1	917.3	917.2	917.0	916.7	916.5	916.3	916.5
132.5°	953.8	955.8	957.7	959.6	960.6	960.5	960.3	960.0	959.8	959.6	959.8
135°	995.5	997.7	999.8	1001.9	1003.0	1002.8	1002.4	1001.9	1001.5	1001.1	1001.5
137.5°	1035.0	1037.2	1039.3	1041.4	1042.5	1042.2	1041.5	1040.9	1040.2	1039.6	1040.2
140°	1073.3	1075.3	1077.2	1079.1	1080.1	1079.6	1078.5	1077.4	1076.4	1075.3	1076.4
142.5°	1108.8	1110.5	1112.2	1113.9	1114.8	1114.3	1113.2	1112.1	1111.1	1110.0	1111.1
145°	1141.3	1142.8	1144.3	1145.8	1146.6	1146.1	1145.0	1143.9	1142.8	1141.7	1142.8
147.5°	1170.8	1171.8	1172.9	1174.0	1174.5	1174.1	1173.2	1172.4	1171.5	1170.7	1171.5
150°	1197.0	1198.3	1199.6	1200.9	1201.5	1201.0	1199.9	1198.8	1197.8	1196.7	1197.8
152.5°	1221.1	1222.4	1223.7	1225.0	1225.6	1224.8	1223.3	1221.8	1220.3	1218.8	1220.3
155°	1242.3	1243.6	1244.9	1246.2	1246.8	1245.9	1244.2	1242.5	1240.8	1239.1	1240.8
157.5°	1260.8	1262.3	1263.8	1265.3	1266.0	1265.1	1263.4	1261.7	1260.0	1258.3	1260.0
160°	1277.0	1278.3	1279.6	1280.9	1281.5	1280.7	1279.2	1277.7	1276.2	1274.7	1276.2
162.5°	1291.6	1293.1	1294.6	1296.1	1296.9	1295.9	1294.0	1292.1	1290.1	1288.2	1290.1
165°	1303.2	1304.7	1306.2	1307.7	1308.4	1307.7	1306.2	1304.7	1303.2	1301.7	1303.2
167.5°	1313.8	1315.3	1316.8	1318.3	1319.0	1318.0	1316.1	1314.2	1312.3	1310.4	1312.3
170°	1321.5	1323.0	1324.5	1326.0	1326.7	1325.7	1323.8	1321.9	1320.0	1318.1	1320.0
172.5°	1327.3	1328.8	1330.3	1331.8	1332.5	1331.5	1329.6	1327.7	1325.7	1323.8	1325.7
175°	1331.1	1332.6	1334.1	1335.6	1336.4	1335.3	1333.2	1331.0	1328.9	1326.7	1328.9
177.5°	1332.1	1333.6	1335.1	1336.6	1337.3	1336.3	1334.4	1332.5	1330.6	1328.7	1330.6
180°	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6

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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°	25.2	24.7	24.3	24.1	23.6	22.5	21.4	20.4	19.3	17.6	15.9
92.5°	25.6	25.4	25.2	25.1	24.9	24.4	24.0	23.5	23.1	22.5	21.8
95°	41.8	42.1	42.3	42.4	41.9	40.8	39.7	38.7	37.6	36.1	34.6
97.5°	52.6	52.3	52.1	52.0	51.7	51.0	50.4	49.7	49.1	45.7	42.3
100°	63.7	63.3	62.8	62.6	61.7	60.0	58.3	56.6	54.9	51.3	47.6
102.5°	69.0	68.4	67.7	67.4	66.2	63.9	61.5	59.2	56.8	95.8	134.8
105°	71.5	70.7	69.8	69.4	68.2	65.9	63.5	61.2	58.8	117.2	175.7
107.5°	73.5	72.6	71.7	71.3	70.1	67.8	65.4	63.1	60.7	132.9	205.0
110°	74.4	73.6	72.7	72.3	83.0	104.4	125.8	147.2	168.6	230.5	292.4

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CATALOG NUMBER: S122DIW-B1005D970UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	75.8	75.2	74.5	74.2	120.3	212.6	304.9	397.2	489.5	493.1	496.7
115°	109.8	125.3	140.7	148.4	198.0	297.1	396.2	495.4	594.5	589.1	583.8
117.5°	368.5	424.6	480.7	508.7	524.0	554.6	585.3	615.9	646.5	642.9	639.2
120°	645.5	674.4	703.3	717.8	716.5	713.9	711.4	708.8	706.2	702.4	698.5
122.5°	769.4	769.2	769.0	768.9	768.3	767.0	765.7	764.4	763.1	758.8	754.5
125°	822.5	821.9	821.2	820.9	820.2	818.7	817.2	815.7	814.2	810.1	806.1
127.5°	871.6	871.3	871.1	871.0	869.9	867.8	865.7	863.5	861.4	858.2	855.0
130°	916.7	917.0	917.2	917.3	916.1	913.8	911.4	909.1	906.7	904.3	902.0
132.5°	960.0	960.3	960.5	960.6	959.6	957.7	955.8	953.8	951.9	949.5	947.2
135°	1001.9	1002.4	1002.8	1003.0	1001.9	999.8	997.7	995.5	993.4	991.5	989.5
137.5°	1040.9	1041.5	1042.2	1042.5	1041.4	1039.3	1037.2	1035.0	1032.9	1030.7	1028.6
140°	1077.4	1078.5	1079.6	1080.1	1079.1	1077.2	1075.3	1073.3	1071.4	1069.0	1066.7
142.5°	1112.1	1113.2	1114.3	1114.8	1113.9	1112.2	1110.5	1108.8	1107.1	1104.3	1101.5
145°	1143.9	1145.0	1146.1	1146.6	1145.8	1144.3	1142.8	1141.3	1139.8	1136.2	1132.5
147.5°	1172.4	1173.2	1174.1	1174.5	1174.0	1172.9	1171.8	1170.8	1169.7	1166.1	1162.4
150°	1198.8	1199.9	1201.0	1201.5	1200.9	1199.6	1198.3	1197.0	1195.7	1192.3	1188.9
152.5°	1221.8	1223.3	1224.8	1225.6	1225.0	1223.7	1222.4	1221.1	1219.8	1216.6	1213.4
155°	1242.5	1244.2	1245.9	1246.8	1246.2	1244.9	1243.6	1242.3	1241.0	1238.4	1235.8
157.5°	1261.7	1263.4	1265.1	1266.0	1265.3	1263.8	1262.3	1260.8	1259.3	1257.4	1255.4
160°	1277.7	1279.2	1280.7	1281.5	1280.9	1279.6	1278.3	1277.0	1275.7	1274.4	1273.1
162.5°	1292.1	1294.0	1295.9	1296.9	1296.1	1294.6	1293.1	1291.6	1290.1	1289.0	1288.0
165°	1304.7	1306.2	1307.7	1308.4	1307.7	1306.2	1304.7	1303.2	1301.7	1301.1	1300.4
167.5°	1314.2	1316.1	1318.0	1319.0	1318.3	1316.8	1315.3	1313.8	1312.3	1311.7	1311.0
170°	1321.9	1323.8	1325.7	1326.7	1326.0	1324.5	1323.0	1321.5	1320.0	1319.6	1319.2
172.5°	1327.7	1329.6	1331.5	1332.5	1331.8	1330.3	1328.8	1327.3	1325.8	1325.4	1324.9
175°	1331.0	1333.2	1335.3	1336.4	1335.6	1334.1	1332.6	1331.1	1329.6	1329.2	1328.8
177.5°	1332.5	1334.4	1336.3	1337.3	1336.6	1335.1	1333.6	1332.1	1330.6	1330.4	1330.2
180°	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6

TEST NUMBER: P1029281

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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°	14.2	12.5	11.6	10.4	8.1	5.7	3.4	1.0	3.4	5.7	8.1
92.5°	21.2	20.5	20.2	20.6	21.5	22.4	23.2	24.1	23.2	22.4	21.5
95°	33.1	31.6	30.8	34.3	41.4	48.5	55.5	62.6	55.5	48.5	41.4
97.5°	38.8	35.4	33.7	42.5	60.0	77.6	95.1	112.7	95.1	77.6	60.0
100°	44.0	40.3	38.5	53.2	82.5	111.8	141.2	170.5	141.2	111.8	82.5
102.5°	173.7	212.7	232.2	232.4	232.8	233.3	233.7	234.1	233.7	233.3	232.8
105°	234.1	292.6	321.8	318.6	312.2	305.7	299.3	292.9	299.3	305.7	312.2
107.5°	277.2	349.3	385.4	382.7	377.4	372.0	366.7	361.3	366.7	372.0	377.4
110°	354.3	416.2	447.1	444.8	440.3	435.8	431.3	426.8	431.3	435.8	440.3

TEST NUMBER: P1029281

CATALOG NUMBER: S122DIW-B1005D970UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	500.4	504.0	505.8	503.9	500.0	496.2	492.3	488.5	492.3	496.2	500.0
115°	578.4	573.1	570.4	568.6	564.9	561.3	557.6	554.0	557.6	561.3	564.9
117.5°	635.6	631.9	630.1	628.0	623.7	619.4	615.2	610.9	615.2	619.4	623.7
120°	694.7	690.8	688.9	687.3	684.1	680.8	677.6	674.4	677.6	680.8	684.1
122.5°	750.2	745.9	743.8	742.1	738.7	735.2	731.8	728.4	731.8	735.2	738.7
125°	802.0	797.9	795.9	794.5	791.7	788.9	786.1	783.3	786.1	788.9	791.7
127.5°	851.7	848.5	846.9	845.4	842.4	839.4	836.4	833.4	836.4	839.4	842.4
130°	899.6	897.3	896.1	894.4	890.9	887.5	884.0	880.6	884.0	887.5	890.9
132.5°	944.8	942.5	941.3	939.9	937.1	934.4	931.6	928.8	931.6	934.4	937.1
135°	987.6	985.7	984.7	983.0	979.6	976.1	972.7	969.3	972.7	976.1	979.6
137.5°	1026.4	1024.3	1023.2	1021.9	1019.4	1016.8	1014.3	1011.7	1014.3	1016.8	1019.4
140°	1064.3	1062.0	1060.8	1059.9	1058.2	1056.5	1054.8	1053.1	1054.8	1056.5	1058.2
142.5°	1098.7	1095.9	1094.5	1093.8	1092.3	1090.8	1089.3	1087.8	1089.3	1090.8	1092.3
145°	1128.9	1125.2	1123.4	1123.5	1123.7	1124.0	1124.2	1124.4	1124.2	1124.0	1123.7
147.5°	1158.8	1155.1	1153.3	1153.6	1154.3	1154.9	1155.6	1156.2	1155.6	1154.9	1154.3
150°	1185.4	1182.0	1180.3	1181.0	1182.5	1184.0	1185.5	1187.0	1185.5	1184.0	1182.5
152.5°	1210.1	1206.9	1205.3	1206.2	1207.9	1209.6	1211.3	1213.0	1211.3	1209.6	1207.9
155°	1233.3	1230.7	1229.4	1230.4	1232.3	1234.2	1236.2	1238.1	1236.2	1234.2	1232.3
157.5°	1253.5	1251.6	1250.6	1251.5	1253.2	1254.9	1256.6	1258.3	1256.6	1254.9	1253.2
160°	1271.8	1270.5	1269.9	1270.5	1271.8	1273.1	1274.4	1275.7	1274.4	1273.1	1271.8
162.5°	1286.9	1285.8	1285.3	1285.9	1287.2	1288.5	1289.8	1291.1	1289.8	1288.5	1287.2
165°	1299.8	1299.1	1298.8	1299.4	1300.7	1302.0	1303.3	1304.6	1303.3	1302.0	1300.7
167.5°	1310.4	1309.7	1309.4	1310.0	1311.3	1312.6	1313.9	1315.2	1313.9	1312.6	1311.3
170°	1318.7	1318.3	1318.1	1318.7	1320.0	1321.3	1322.5	1323.8	1322.5	1321.3	1320.0
172.5°	1324.5	1324.0	1323.8	1324.4	1325.7	1327.0	1328.3	1329.6	1328.3	1327.0	1325.7
175°	1328.3	1327.9	1327.7	1328.4	1329.9	1331.4	1332.9	1334.4	1332.9	1331.4	1329.9
177.5°	1329.9	1329.7	1329.6	1330.4	1331.9	1333.4	1334.9	1336.4	1334.9	1333.4	1331.9
180°	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6

TEST NUMBER: P1029281

CATALOG NUMBER: S122DIW-B1005D970UB2750-4F0-XX-W2A-A_4000K

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°	10.4	11.6	12.5	14.2	15.9	17.6	19.3	20.4	21.4	22.5	23.6
92.5°	20.6	20.2	20.5	21.2	21.8	22.5	23.1	23.5	24.0	24.4	24.9
95°	34.3	30.8	31.6	33.1	34.6	36.1	37.6	38.7	39.7	40.8	41.9
97.5°	42.5	33.7	35.4	38.8	42.3	45.7	49.1	49.7	50.4	51.0	51.7
100°	53.2	38.5	40.3	44.0	47.6	51.3	54.9	56.6	58.3	60.0	61.7
102.5°	232.4	232.2	212.7	173.7	134.8	95.8	56.8	59.2	61.5	63.9	66.2
105°	318.6	321.8	292.6	234.1	175.7	117.2	58.8	61.2	63.5	65.9	68.2
107.5°	382.7	385.4	349.3	277.2	205.0	132.9	60.7	63.1	65.4	67.8	70.1
110°	444.8	447.1	416.2	354.3	292.4	230.5	168.6	147.2	125.8	104.4	83.0

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CATALOG NUMBER: S122DIW-B1005D970UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	503.9	505.8	504.0	500.4	496.7	493.1	489.5	397.2	304.9	212.6	120.3
115°	568.6	570.4	573.1	578.4	583.8	589.1	594.5	495.4	396.2	297.1	198.0
117.5°	628.0	630.1	631.9	635.6	639.2	642.9	646.5	615.9	585.3	554.6	524.0
120°	687.3	688.9	690.8	694.7	698.5	702.4	706.2	708.8	711.4	713.9	716.5
122.5°	742.1	743.8	745.9	750.2	754.5	758.8	763.1	764.4	765.7	767.0	768.3
125°	794.5	795.9	797.9	802.0	806.1	810.1	814.2	815.7	817.2	818.7	820.2
127.5°	845.4	846.9	848.5	851.7	855.0	858.2	861.4	863.5	865.7	867.8	869.9
130°	894.4	896.1	897.3	899.6	902.0	904.3	906.7	909.1	911.4	913.8	916.1
132.5°	939.9	941.3	942.5	944.8	947.2	949.5	951.9	953.8	955.8	957.7	959.6
135°	983.0	984.7	985.7	987.6	989.5	991.5	993.4	995.5	997.7	999.8	1001.9
137.5°	1021.9	1023.2	1024.3	1026.4	1028.6	1030.7	1032.9	1035.0	1037.2	1039.3	1041.4
140°	1059.9	1060.8	1062.0	1064.3	1066.7	1069.0	1071.4	1073.3	1075.3	1077.2	1079.1
142.5°	1093.8	1094.5	1095.9	1098.7	1101.5	1104.3	1107.1	1108.8	1110.5	1112.2	1113.9
145°	1123.5	1123.4	1125.2	1128.9	1132.5	1136.2	1139.8	1141.3	1142.8	1144.3	1145.8
147.5°	1153.6	1153.3	1155.1	1158.8	1162.4	1166.1	1169.7	1170.8	1171.8	1172.9	1174.0
150°	1181.0	1180.3	1182.0	1185.4	1188.9	1192.3	1195.7	1197.0	1198.3	1199.6	1200.9
152.5°	1206.2	1205.3	1206.9	1210.1	1213.4	1216.6	1219.8	1221.1	1222.4	1223.7	1225.0
155°	1230.4	1229.4	1230.7	1233.3	1235.8	1238.4	1241.0	1242.3	1243.6	1244.9	1246.2
157.5°	1251.5	1250.6	1251.6	1253.5	1255.4	1257.4	1259.3	1260.8	1262.3	1263.8	1265.3
160°	1270.5	1269.9	1270.5	1271.8	1273.1	1274.4	1275.7	1277.0	1278.3	1279.6	1280.9
162.5°	1285.9	1285.3	1285.8	1286.9	1288.0	1289.0	1290.1	1291.6	1293.1	1294.6	1296.1
165°	1299.4	1298.8	1299.1	1299.8	1300.4	1301.1	1301.7	1303.2	1304.7	1306.2	1307.7
167.5°	1310.0	1309.4	1309.7	1310.4	1311.0	1311.7	1312.3	1313.8	1315.3	1316.8	1318.3
170°	1318.7	1318.1	1318.3	1318.7	1319.2	1319.6	1320.0	1321.5	1323.0	1324.5	1326.0
172.5°	1324.4	1323.8	1324.0	1324.5	1324.9	1325.4	1325.8	1327.3	1328.8	1330.3	1331.8
175°	1328.4	1327.7	1327.9	1328.3	1328.8	1329.2	1329.6	1331.1	1332.6	1334.1	1335.6
177.5°	1330.4	1329.6	1329.7	1329.9	1330.2	1330.4	1330.6	1332.1	1333.6	1335.1	1336.6
180°	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6

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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°	24.1	24.3	24.7	25.2	25.6	26.0	25.6	25.2	24.7	24.3	24.1
92.5°	25.1	25.2	25.4	25.6	25.8	26.0	25.8	25.6	25.4	25.2	25.1
95°	42.4	42.3	42.1	41.8	41.6	41.4	41.6	41.8	42.1	42.3	42.4
97.5°	52.0	52.1	52.3	52.6	52.8	53.0	52.8	52.6	52.3	52.1	52.0
100°	62.6	62.8	63.3	63.7	64.2	64.6	64.2	63.7	63.3	62.8	62.6
102.5°	67.4	67.7	68.4	69.0	69.7	70.3	69.7	69.0	68.4	67.7	67.4
105°	69.4	69.8	70.7	71.5	72.4	73.2	72.4	71.5	70.7	69.8	69.4
107.5°	71.3	71.7	72.6	73.5	74.3	75.2	74.3	73.5	72.6	71.7	71.3
110°	72.3	72.7	73.6	74.4	75.3	76.1	75.3	74.4	73.6	72.7	72.3

TEST NUMBER: P1029281

CATALOG NUMBER: S122DIW-B1005D970UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	74.2	74.5	75.2	75.8	76.5	77.1	76.5	75.8	75.2	74.5	74.2
115°	148.4	140.7	125.3	109.8	94.4	79.0	94.4	109.8	125.3	140.7	148.4
117.5°	508.7	480.7	424.6	368.5	312.4	256.3	312.4	368.5	424.6	480.7	508.7
120°	717.8	703.3	674.4	645.5	616.6	587.7	616.6	645.5	674.4	703.3	717.8
122.5°	768.9	769.0	769.2	769.4	769.6	769.8	769.6	769.4	769.2	769.0	768.9
125°	820.9	821.2	821.9	822.5	823.2	823.8	823.2	822.5	821.9	821.2	820.9
127.5°	871.0	871.1	871.3	871.6	871.8	872.0	871.8	871.6	871.3	871.1	871.0
130°	917.3	917.2	917.0	916.7	916.5	916.3	916.5	916.7	917.0	917.2	917.3
132.5°	960.6	960.5	960.3	960.0	959.8	959.6	959.8	960.0	960.3	960.5	960.6
135°	1003.0	1002.8	1002.4	1001.9	1001.5	1001.1	1001.5	1001.9	1002.4	1002.8	1003.0
137.5°	1042.5	1042.2	1041.5	1040.9	1040.2	1039.6	1040.2	1040.9	1041.5	1042.2	1042.5
140°	1080.1	1079.6	1078.5	1077.4	1076.4	1075.3	1076.4	1077.4	1078.5	1079.6	1080.1
142.5°	1114.8	1114.3	1113.2	1112.1	1111.1	1110.0	1111.1	1112.1	1113.2	1114.3	1114.8
145°	1146.6	1146.1	1145.0	1143.9	1142.8	1141.7	1142.8	1143.9	1145.0	1146.1	1146.6
147.5°	1174.5	1174.1	1173.2	1172.4	1171.5	1170.7	1171.5	1172.4	1173.2	1174.1	1174.5
150°	1201.5	1201.0	1199.9	1198.8	1197.8	1196.7	1197.8	1198.8	1199.9	1201.0	1201.5
152.5°	1225.6	1224.8	1223.3	1221.8	1220.3	1218.8	1220.3	1221.8	1223.3	1224.8	1225.6
155°	1246.8	1245.9	1244.2	1242.5	1240.8	1239.1	1240.8	1242.5	1244.2	1245.9	1246.8
157.5°	1266.0	1265.1	1263.4	1261.7	1260.0	1258.3	1260.0	1261.7	1263.4	1265.1	1266.0
160°	1281.5	1280.7	1279.2	1277.7	1276.2	1274.7	1276.2	1277.7	1279.2	1280.7	1281.5
162.5°	1296.9	1295.9	1294.0	1292.1	1290.1	1288.2	1290.1	1292.1	1294.0	1295.9	1296.9
165°	1308.4	1307.7	1306.2	1304.7	1303.2	1301.7	1303.2	1304.7	1306.2	1307.7	1308.4
167.5°	1319.0	1318.0	1316.1	1314.2	1312.3	1310.4	1312.3	1314.2	1316.1	1318.0	1319.0
170°	1326.7	1325.7	1323.8	1321.9	1320.0	1318.1	1320.0	1321.9	1323.8	1325.7	1326.7
172.5°	1332.5	1331.5	1329.6	1327.7	1325.7	1323.8	1325.7	1327.7	1329.6	1331.5	1332.5
175°	1336.4	1335.3	1333.2	1331.0	1328.9	1326.7	1328.9	1331.0	1333.2	1335.3	1336.4
177.5°	1337.3	1336.3	1334.4	1332.5	1330.6	1328.7	1330.6	1332.5	1334.4	1336.3	1337.3
180°	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6

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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°	23.6	22.5	21.4	20.4	19.3	17.6	15.9	14.2	12.5	11.6	10.4
92.5°	24.9	24.4	24.0	23.5	23.1	22.5	21.8	21.2	20.5	20.2	20.6
95°	41.9	40.8	39.7	38.7	37.6	36.1	34.6	33.1	31.6	30.8	34.3
97.5°	51.7	51.0	50.4	49.7	49.1	45.7	42.3	38.8	35.4	33.7	42.5
100°	61.7	60.0	58.3	56.6	54.9	51.3	47.6	44.0	40.3	38.5	53.2
102.5°	66.2	63.9	61.5	59.2	56.8	95.8	134.8	173.7	212.7	232.2	232.4
105°	68.2	65.9	63.5	61.2	58.8	117.2	175.7	234.1	292.6	321.8	318.6
107.5°	70.1	67.8	65.4	63.1	60.7	132.9	205.0	277.2	349.3	385.4	382.7
110°	83.0	104.4	125.8	147.2	168.6	230.5	292.4	354.3	416.2	447.1	444.8

TEST NUMBER: P1029281

CATALOG NUMBER: S122DIW-B1005D970UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	120.3	212.6	304.9	397.2	489.5	493.1	496.7	500.4	504.0	505.8	503.9
115°	198.0	297.1	396.2	495.4	594.5	589.1	583.8	578.4	573.1	570.4	568.6
117.5°	524.0	554.6	585.3	615.9	646.5	642.9	639.2	635.6	631.9	630.1	628.0
120°	716.5	713.9	711.4	708.8	706.2	702.4	698.5	694.7	690.8	688.9	687.3
122.5°	768.3	767.0	765.7	764.4	763.1	758.8	754.5	750.2	745.9	743.8	742.1
125°	820.2	818.7	817.2	815.7	814.2	810.1	806.1	802.0	797.9	795.9	794.5
127.5°	869.9	867.8	865.7	863.5	861.4	858.2	855.0	851.7	848.5	846.9	845.4
130°	916.1	913.8	911.4	909.1	906.7	904.3	902.0	899.6	897.3	896.1	894.4
132.5°	959.6	957.7	955.8	953.8	951.9	949.5	947.2	944.8	942.5	941.3	939.9
135°	1001.9	999.8	997.7	995.5	993.4	991.5	989.5	987.6	985.7	984.7	983.0
137.5°	1041.4	1039.3	1037.2	1035.0	1032.9	1030.7	1028.6	1026.4	1024.3	1023.2	1021.9
140°	1079.1	1077.2	1075.3	1073.3	1071.4	1069.0	1066.7	1064.3	1062.0	1060.8	1059.9
142.5°	1113.9	1112.2	1110.5	1108.8	1107.1	1104.3	1101.5	1098.7	1095.9	1094.5	1093.8
145°	1145.8	1144.3	1142.8	1141.3	1139.8	1136.2	1132.5	1128.9	1125.2	1123.4	1123.5
147.5°	1174.0	1172.9	1171.8	1170.8	1169.7	1166.1	1162.4	1158.8	1155.1	1153.3	1153.6
150°	1200.9	1199.6	1198.3	1197.0	1195.7	1192.3	1188.9	1185.4	1182.0	1180.3	1181.0
152.5°	1225.0	1223.7	1222.4	1221.1	1219.8	1216.6	1213.4	1210.1	1206.9	1205.3	1206.2
155°	1246.2	1244.9	1243.6	1242.3	1241.0	1238.4	1235.8	1233.3	1230.7	1229.4	1230.4
157.5°	1265.3	1263.8	1262.3	1260.8	1259.3	1257.4	1255.4	1253.5	1251.6	1250.6	1251.5
160°	1280.9	1279.6	1278.3	1277.0	1275.7	1274.4	1273.1	1271.8	1270.5	1269.9	1270.5
162.5°	1296.1	1294.6	1293.1	1291.6	1290.1	1289.0	1288.0	1286.9	1285.8	1285.3	1285.9
165°	1307.7	1306.2	1304.7	1303.2	1301.7	1301.1	1300.4	1299.8	1299.1	1298.8	1299.4
167.5°	1318.3	1316.8	1315.3	1313.8	1312.3	1311.7	1311.0	1310.4	1309.7	1309.4	1310.0
170°	1326.0	1324.5	1323.0	1321.5	1320.0	1319.6	1319.2	1318.7	1318.3	1318.1	1318.7
172.5°	1331.8	1330.3	1328.8	1327.3	1325.8	1325.4	1324.9	1324.5	1324.0	1323.8	1324.4
175°	1335.6	1334.1	1332.6	1331.1	1329.6	1329.2	1328.8	1328.3	1327.9	1327.7	1328.4
177.5°	1336.6	1335.1	1333.6	1332.1	1330.6	1330.4	1330.2	1329.9	1329.7	1329.6	1330.4
180°	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6	1331.6



TEST NUMBER: P1029281

CATALOG NUMBER: S122DIW-B1005D970UB2750-4F0-XX-W2A-A_4000K

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°	8.1	5.7	3.4	1.0
92.5°	21.5	22.4	23.2	24.1
95°	41.4	48.5	55.5	62.6
97.5°	60.0	77.6	95.1	112.7
100°	82.5	111.8	141.2	170.5
102.5°	232.8	233.3	233.7	234.1
105°	312.2	305.7	299.3	292.9
107.5°	377.4	372.0	366.7	361.3
110°	440.3	435.8	431.3	426.8

TEST NUMBER: P1029281

CATALOG NUMBER: S122DIW-B1005D970UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	500.0	496.2	492.3	488.5
115°	564.9	561.3	557.6	554.0
117.5°	623.7	619.4	615.2	610.9
120°	684.1	680.8	677.6	674.4
122.5°	738.7	735.2	731.8	728.4
125°	791.7	788.9	786.1	783.3
127.5°	842.4	839.4	836.4	833.4
130°	890.9	887.5	884.0	880.6
132.5°	937.1	934.4	931.6	928.8
135°	979.6	976.1	972.7	969.3
137.5°	1019.4	1016.8	1014.3	1011.7
140°	1058.2	1056.5	1054.8	1053.1
142.5°	1092.3	1090.8	1089.3	1087.8
145°	1123.7	1124.0	1124.2	1124.4
147.5°	1154.3	1154.9	1155.6	1156.2
150°	1182.5	1184.0	1185.5	1187.0
152.5°	1207.9	1209.6	1211.3	1213.0
155°	1232.3	1234.2	1236.2	1238.1
157.5°	1253.2	1254.9	1256.6	1258.3
160°	1271.8	1273.1	1274.4	1275.7
162.5°	1287.2	1288.5	1289.8	1291.1
165°	1300.7	1302.0	1303.3	1304.6
167.5°	1311.3	1312.6	1313.9	1315.2
170°	1320.0	1321.3	1322.5	1323.8
172.5°	1325.7	1327.0	1328.3	1329.6
175°	1329.9	1331.4	1332.9	1334.4
177.5°	1331.9	1333.4	1334.9	1336.4
180°	1331.6	1331.6	1331.6	1331.6

(END OF REPORT)