

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: P1029162

Luminaire Tested: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029162
REPORT IS A COMBINATION OF REPORTS P985040 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIW-B1005D1240UB2750-4F0-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

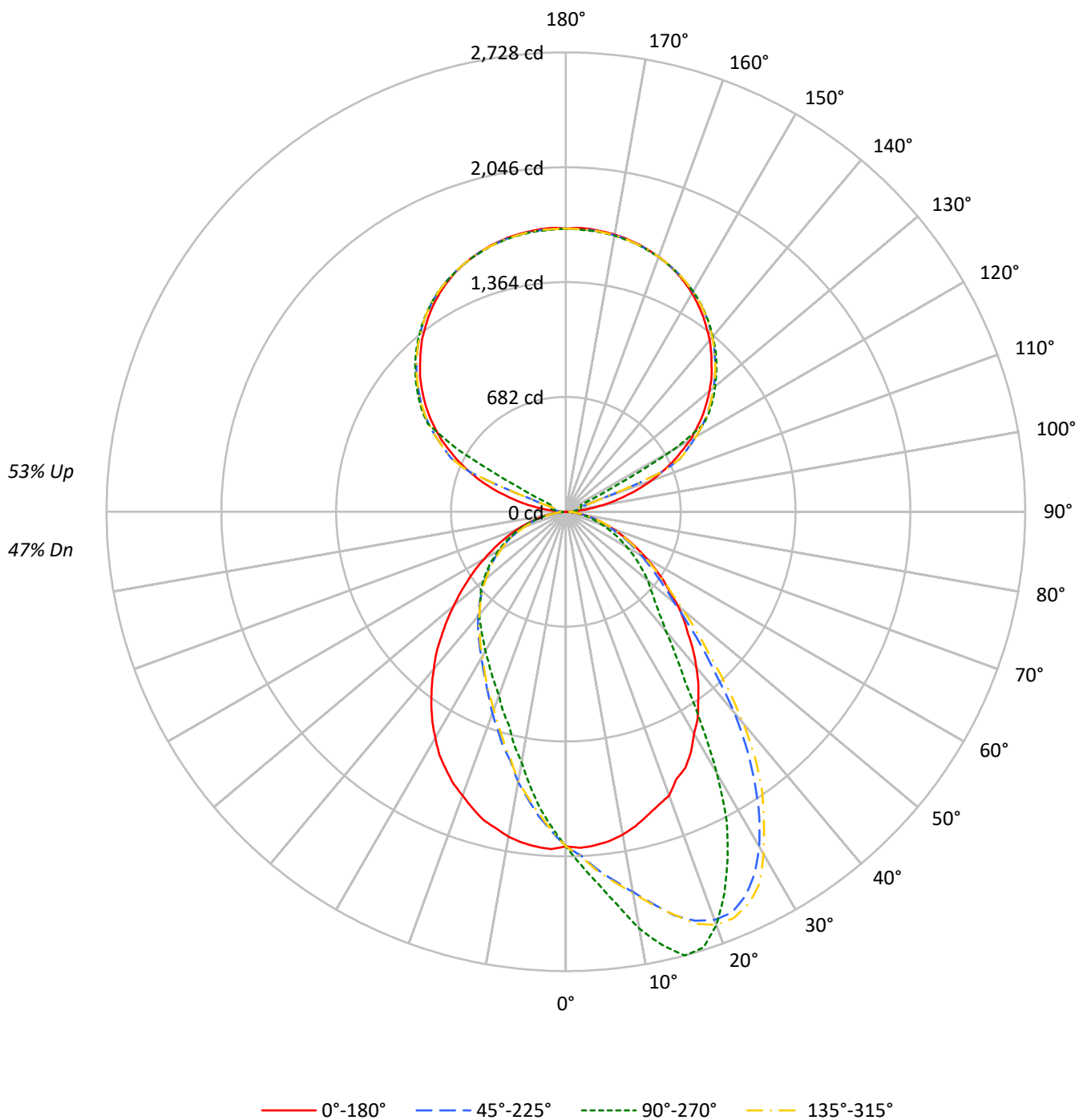
Lumens per Lamp: N/A
Luminaire Lumens: 9317.0 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 103.4
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	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53			47
1	98	93	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46			41
2	89	82	76	71	82	76	71	66	64	60	57	53	50	48	43	41	39			35
3	82	73	66	60	75	67	61	56	57	52	48	47	44	41	38	36	34			30
4	75	65	57	51	69	60	53	48	51	46	42	42	39	36	35	32	30			26
5	69	58	50	44	63	54	47	41	46	40	36	38	34	31	31	28	26			23
6	64	52	44	38	58	48	41	36	41	36	32	35	31	28	29	26	23			20
7	59	47	39	34	54	44	37	32	38	32	28	32	28	25	26	23	21			18
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	19			17
9	51	39	32	27	47	37	30	25	32	26	23	27	23	20	22	19	17			15
10	48	36	29	24	44	34	27	23	29	24	21	25	21	18	21	18	16			14

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	2.0
10°-20°	550.9	5.9
20°-30°	799.5	8.6
30°-40°	842.8	9.0
40°-50°	745.8	8.0
50°-60°	595.5	6.4
60°-70°	404.5	4.3
70°-80°	207.0	2.2
80°-90°	51.9	0.6
90°-100°	55.5	0.6
100°-110°	206.7	2.2
110°-120°	548.2	5.9
120°-130°	909.3	9.8
130°-140°	965.9	10.4
140°-150°	897.7	9.6
150°-160°	721.7	7.7
160°-170°	465.0	5.0
170°-180°	160.1	1.7
0°-30°	1539.6	16.5
0°-40°	2382.4	25.6
0°-60°	3723.7	40.0
0°-90°	4387.0	47.1
90°-120°	810.4	8.7
90°-150°	3583.2	38.5
90°-180°	4930.0	52.9
0°-180°	9317.0	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	33	1	33	1	7
95°	79	52	79	52	79	94
105°	370	92	370	92	370	395
115°	700	100	700	100	700	689
125°	989	1040	989	1040	989	882
135°	1224	1264	1224	1264	1224	946
145°	1420	1442	1420	1442	1420	888
155°	1564	1565	1564	1565	1564	721
165°	1648	1644	1648	1644	1648	465
175°	1685	1676	1685	1676	1685	160
180°	1682	1682	1682	1682	1682	

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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°	1.2	4.2	7.2	10.1	13.1	14.6	15.7	17.8	20.0	22.1	24.3
92.5°	30.4	29.3	28.3	27.2	26.1	25.6	26.0	26.8	27.6	28.4	29.2
95°	79.1	70.2	61.2	52.3	43.4	38.9	39.9	41.8	43.7	45.6	47.5
97.5°	142.4	120.2	98.0	75.9	53.7	42.6	44.8	49.1	53.4	57.8	62.1
100°	215.4	178.4	141.3	104.3	67.2	48.7	51.0	55.6	60.2	64.8	69.4
102.5°	295.7	295.2	294.6	294.1	293.6	293.3	268.7	219.5	170.2	121.0	71.8
105°	369.9	378.0	386.1	394.2	402.3	406.4	369.5	295.7	221.8	148.0	74.2
107.5°	456.3	463.1	469.8	476.6	483.3	486.7	441.1	350.0	258.9	167.8	76.7
110°	539.1	544.8	550.4	556.1	561.8	564.6	525.5	447.4	369.2	291.1	212.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	616.9	621.8	626.6	631.5	636.4	638.8	636.5	631.9	627.4	622.8	618.2
115°	699.7	704.3	708.9	713.5	718.1	720.4	723.8	730.5	737.3	744.0	750.8
117.5°	771.5	776.9	782.3	787.7	793.1	795.8	798.1	802.7	807.3	811.9	816.5
120°	851.8	855.8	859.9	863.9	868.0	870.0	872.4	877.3	882.2	887.0	891.9
122.5°	919.9	924.2	928.6	932.9	937.2	939.4	942.1	947.5	952.9	958.3	963.7
125°	989.3	992.8	996.3	999.8	1003.3	1005.1	1007.7	1012.8	1017.9	1023.1	1028.2
127.5°	1052.6	1056.4	1060.2	1063.9	1067.7	1069.6	1071.6	1075.7	1079.7	1083.8	1087.8
130°	1112.2	1116.5	1120.9	1125.2	1129.5	1131.7	1133.2	1136.1	1139.1	1142.0	1145.0
132.5°	1173.0	1176.5	1180.0	1183.5	1187.0	1188.8	1190.3	1193.3	1196.2	1199.2	1202.2
135°	1224.1	1228.4	1232.8	1237.1	1241.4	1243.6	1244.8	1247.3	1249.7	1252.2	1254.6
137.5°	1277.7	1280.9	1284.2	1287.4	1290.7	1292.3	1293.6	1296.3	1299.0	1301.7	1304.4
140°	1330.0	1332.2	1334.3	1336.5	1338.6	1339.7	1341.2	1344.2	1347.1	1350.1	1353.1
142.5°	1373.8	1375.7	1377.6	1379.5	1381.4	1382.3	1384.1	1387.6	1391.1	1394.6	1398.1
145°	1420.0	1419.7	1419.5	1419.2	1418.9	1418.8	1421.1	1425.7	1430.3	1434.9	1439.5
147.5°	1460.2	1459.4	1458.6	1457.7	1456.9	1456.5	1458.8	1463.4	1468.0	1472.6	1477.2
150°	1499.1	1497.2	1495.3	1493.4	1491.5	1490.6	1492.8	1497.1	1501.4	1505.8	1510.1
152.5°	1532.0	1529.8	1527.7	1525.5	1523.4	1522.3	1524.3	1528.4	1532.4	1536.5	1540.5
155°	1563.6	1561.2	1558.8	1556.3	1553.9	1552.7	1554.3	1557.6	1560.8	1564.1	1567.3
157.5°	1589.2	1587.0	1584.8	1582.7	1580.5	1579.4	1580.6	1583.1	1585.5	1588.0	1590.4
160°	1611.1	1609.5	1607.9	1606.2	1604.6	1603.8	1604.6	1606.2	1607.9	1609.5	1611.1
162.5°	1630.6	1629.0	1627.4	1625.7	1624.1	1623.3	1624.0	1625.3	1626.6	1628.0	1629.3
165°	1647.6	1646.0	1644.4	1642.7	1641.1	1640.3	1640.7	1641.5	1642.3	1643.1	1643.9
167.5°	1661.0	1659.4	1657.8	1656.1	1654.5	1653.7	1654.1	1654.9	1655.7	1656.5	1657.3
170°	1671.9	1670.3	1668.7	1667.0	1665.4	1664.6	1664.9	1665.4	1666.0	1666.5	1667.1
172.5°	1679.2	1677.6	1676.0	1674.3	1672.7	1671.9	1672.2	1672.7	1673.3	1673.8	1674.4
175°	1685.3	1683.4	1681.5	1679.6	1677.7	1676.8	1677.1	1677.6	1678.1	1678.7	1679.2
177.5°	1687.7	1685.8	1683.9	1682.0	1680.1	1679.2	1679.3	1679.6	1679.9	1680.1	1680.4
180°	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7

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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°	25.7	27.0	28.4	29.7	30.4	30.7	31.2	31.8	32.3	32.9	32.3
92.5°	29.7	30.3	30.8	31.3	31.6	31.7	32.0	32.3	32.6	32.9	32.6
95°	48.8	50.2	51.5	52.8	53.5	53.4	53.1	52.8	52.6	52.3	52.6
97.5°	62.9	63.7	64.5	65.3	65.7	65.8	66.1	66.4	66.6	66.9	66.6
100°	71.6	73.7	75.9	78.0	79.1	79.4	79.9	80.4	81.0	81.5	81.0
102.5°	74.8	77.8	80.7	83.7	85.2	85.6	86.4	87.2	88.0	88.8	88.0
105°	77.2	80.2	83.1	86.1	87.6	88.1	89.2	90.3	91.4	92.5	91.4
107.5°	79.7	82.6	85.6	88.5	90.0	90.5	91.6	92.7	93.8	94.9	93.8
110°	185.9	158.9	131.8	104.8	91.3	91.8	92.9	94.0	95.0	96.1	95.0

TEST NUMBER: P1029162

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	501.6	385.1	268.5	152.0	93.7	94.1	94.9	95.7	96.5	97.3	96.5
115°	625.6	500.4	375.2	250.0	187.4	177.7	158.2	138.7	119.3	99.8	119.3
117.5°	777.8	739.2	700.5	661.8	642.5	607.1	536.2	465.4	394.5	323.7	394.5
120°	895.1	898.4	901.6	904.9	906.5	888.3	851.8	815.3	778.8	742.3	778.8
122.5°	965.3	966.9	968.6	970.2	971.0	971.1	971.4	971.7	971.9	972.2	971.9
125°	1030.1	1032.0	1033.9	1035.8	1036.7	1037.1	1037.9	1038.8	1039.6	1040.4	1039.6
127.5°	1090.5	1093.2	1095.9	1098.6	1100.0	1100.1	1100.4	1100.7	1100.9	1101.2	1100.9
130°	1148.0	1151.0	1153.9	1156.9	1158.4	1158.3	1158.0	1157.7	1157.5	1157.2	1157.5
132.5°	1204.6	1207.1	1209.5	1212.0	1213.2	1213.1	1212.8	1212.5	1212.3	1212.0	1212.3
135°	1257.3	1260.0	1262.7	1265.4	1266.7	1266.4	1265.9	1265.4	1264.8	1264.3	1264.8
137.5°	1307.1	1309.8	1312.5	1315.2	1316.6	1316.2	1315.4	1314.6	1313.8	1313.0	1313.8
140°	1355.5	1358.0	1360.4	1362.9	1364.1	1363.4	1362.1	1360.7	1359.4	1358.0	1359.4
142.5°	1400.3	1402.5	1404.6	1406.8	1407.9	1407.2	1405.9	1404.5	1403.2	1401.8	1403.2
145°	1441.4	1443.3	1445.2	1447.1	1448.0	1447.3	1446.0	1444.6	1443.3	1441.9	1443.3
147.5°	1478.6	1479.9	1481.3	1482.6	1483.3	1482.8	1481.7	1480.6	1479.6	1478.5	1479.6
150°	1511.7	1513.3	1515.0	1516.6	1517.4	1516.7	1515.4	1514.0	1512.7	1511.3	1512.7
152.5°	1542.1	1543.7	1545.4	1547.0	1547.8	1546.9	1545.0	1543.1	1541.2	1539.3	1541.2
155°	1568.9	1570.5	1572.2	1573.8	1574.6	1573.5	1571.3	1569.2	1567.0	1564.8	1567.0
157.5°	1592.3	1594.2	1596.1	1598.0	1598.9	1597.8	1595.7	1593.5	1591.4	1589.2	1591.4
160°	1612.7	1614.3	1616.0	1617.6	1618.4	1617.5	1615.6	1613.7	1611.8	1609.9	1611.8
162.5°	1631.2	1633.1	1635.0	1636.9	1637.9	1636.7	1634.2	1631.8	1629.3	1626.9	1629.3
165°	1645.8	1647.7	1649.6	1651.5	1652.5	1651.5	1649.6	1647.7	1645.8	1643.9	1645.8
167.5°	1659.2	1661.1	1663.0	1664.9	1665.8	1664.6	1662.2	1659.7	1657.3	1654.9	1657.3
170°	1669.0	1670.9	1672.8	1674.7	1675.6	1674.4	1671.9	1669.5	1667.0	1664.6	1667.0
172.5°	1676.3	1678.2	1680.1	1682.0	1682.9	1681.7	1679.2	1676.8	1674.3	1671.9	1674.3
175°	1681.1	1683.0	1684.9	1686.8	1687.7	1686.4	1683.7	1681.0	1678.3	1675.6	1678.3
177.5°	1682.3	1684.2	1686.1	1688.0	1689.0	1687.8	1685.3	1682.9	1680.4	1678.0	1680.4
180°	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7

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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°	31.8	31.2	30.7	30.4	29.7	28.4	27.0	25.7	24.3	22.1	20.0
92.5°	32.3	32.0	31.7	31.6	31.3	30.8	30.3	29.7	29.2	28.4	27.6
95°	52.8	53.1	53.4	53.5	52.8	51.5	50.2	48.8	47.5	45.6	43.7
97.5°	66.4	66.1	65.8	65.7	65.3	64.5	63.7	62.9	62.1	57.8	53.4
100°	80.4	79.9	79.4	79.1	78.0	75.9	73.7	71.6	69.4	64.8	60.2
102.5°	87.2	86.4	85.6	85.2	83.7	80.7	77.8	74.8	71.8	121.0	170.2
105°	90.3	89.2	88.1	87.6	86.1	83.1	80.2	77.2	74.2	148.0	221.8
107.5°	92.7	91.6	90.5	90.0	88.5	85.6	82.6	79.7	76.7	167.8	258.9
110°	94.0	92.9	91.8	91.3	104.8	131.8	158.9	185.9	212.9	291.1	369.2

TEST NUMBER: P1029162

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	95.7	94.9	94.1	93.7	152.0	268.5	385.1	501.6	618.2	622.8	627.4
115°	138.7	158.2	177.7	187.4	250.0	375.2	500.4	625.6	750.8	744.0	737.3
117.5°	465.4	536.2	607.1	642.5	661.8	700.5	739.2	777.8	816.5	811.9	807.3
120°	815.3	851.8	888.3	906.5	904.9	901.6	898.4	895.1	891.9	887.0	882.2
122.5°	971.7	971.4	971.1	971.0	970.2	968.6	966.9	965.3	963.7	958.3	952.9
125°	1038.8	1037.9	1037.1	1036.7	1035.8	1033.9	1032.0	1030.1	1028.2	1023.1	1017.9
127.5°	1100.7	1100.4	1100.1	1100.0	1098.6	1095.9	1093.2	1090.5	1087.8	1083.8	1079.7
130°	1157.7	1158.0	1158.3	1158.4	1156.9	1153.9	1151.0	1148.0	1145.0	1142.0	1139.1
132.5°	1212.5	1212.8	1213.1	1213.2	1212.0	1209.5	1207.1	1204.6	1202.2	1199.2	1196.2
135°	1265.4	1265.9	1266.4	1266.7	1265.4	1262.7	1260.0	1257.3	1254.6	1252.2	1249.7
137.5°	1314.6	1315.4	1316.2	1316.6	1315.2	1312.5	1309.8	1307.1	1304.4	1301.7	1299.0
140°	1360.7	1362.1	1363.4	1364.1	1362.9	1360.4	1358.0	1355.5	1353.1	1350.1	1347.1
142.5°	1404.5	1405.9	1407.2	1407.9	1406.8	1404.6	1402.5	1400.3	1398.1	1394.6	1391.1
145°	1444.6	1446.0	1447.3	1448.0	1447.1	1445.2	1443.3	1441.4	1439.5	1434.9	1430.3
147.5°	1480.6	1481.7	1482.8	1483.3	1482.6	1481.3	1479.9	1478.6	1477.2	1472.6	1468.0
150°	1514.0	1515.4	1516.7	1517.4	1516.6	1515.0	1513.3	1511.7	1510.1	1505.8	1501.4
152.5°	1543.1	1545.0	1546.9	1547.8	1547.0	1545.4	1543.7	1542.1	1540.5	1536.5	1532.4
155°	1569.2	1571.3	1573.5	1574.6	1573.8	1572.2	1570.5	1568.9	1567.3	1564.1	1560.8
157.5°	1593.5	1595.7	1597.8	1598.9	1598.0	1596.1	1594.2	1592.3	1590.4	1588.0	1585.5
160°	1613.7	1615.6	1617.5	1618.4	1617.6	1616.0	1614.3	1612.7	1611.1	1609.5	1607.9
162.5°	1631.8	1634.2	1636.7	1637.9	1636.9	1635.0	1633.1	1631.2	1629.3	1628.0	1626.6
165°	1647.7	1649.6	1651.5	1652.5	1651.5	1649.6	1647.7	1645.8	1643.9	1643.1	1642.3
167.5°	1659.7	1662.2	1664.6	1665.8	1664.9	1663.0	1661.1	1659.2	1657.3	1656.5	1655.7
170°	1669.5	1671.9	1674.4	1675.6	1674.7	1672.8	1670.9	1669.0	1667.1	1666.5	1666.0
172.5°	1676.8	1679.2	1681.7	1682.9	1682.0	1680.1	1678.2	1676.3	1674.4	1673.8	1673.3
175°	1681.0	1683.7	1686.4	1687.7	1686.8	1684.9	1683.0	1681.1	1679.2	1678.7	1678.1
177.5°	1682.9	1685.3	1687.8	1689.0	1688.0	1686.1	1684.2	1682.3	1680.4	1680.1	1679.9
180°	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7

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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°	17.8	15.7	14.6	13.1	10.1	7.2	4.2	1.2	4.2	7.2	10.1
92.5°	26.8	26.0	25.6	26.1	27.2	28.3	29.3	30.4	29.3	28.3	27.2
95°	41.8	39.9	38.9	43.4	52.3	61.2	70.2	79.1	70.2	61.2	52.3
97.5°	49.1	44.8	42.6	53.7	75.9	98.0	120.2	142.4	120.2	98.0	75.9
100°	55.6	51.0	48.7	67.2	104.3	141.3	178.4	215.4	178.4	141.3	104.3
102.5°	219.5	268.7	293.3	293.6	294.1	294.6	295.2	295.7	295.2	294.6	294.1
105°	295.7	369.5	406.4	402.3	394.2	386.1	378.0	369.9	378.0	386.1	394.2
107.5°	350.0	441.1	486.7	483.3	476.6	469.8	463.1	456.3	463.1	469.8	476.6
110°	447.4	525.5	564.6	561.8	556.1	550.4	544.8	539.1	544.8	550.4	556.1

TEST NUMBER: P1029162

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	631.9	636.5	638.8	636.4	631.5	626.6	621.8	616.9	621.8	626.6	631.5
115°	730.5	723.8	720.4	718.1	713.5	708.9	704.3	699.7	704.3	708.9	713.5
117.5°	802.7	798.1	795.8	793.1	787.7	782.3	776.9	771.5	776.9	782.3	787.7
120°	877.3	872.4	870.0	868.0	863.9	859.9	855.8	851.8	855.8	859.9	863.9
122.5°	947.5	942.1	939.4	937.2	932.9	928.6	924.2	919.9	924.2	928.6	932.9
125°	1012.8	1007.7	1005.1	1003.3	999.8	996.3	992.8	989.3	992.8	996.3	999.8
127.5°	1075.7	1071.6	1069.6	1067.7	1063.9	1060.2	1056.4	1052.6	1056.4	1060.2	1063.9
130°	1136.1	1133.2	1131.7	1129.5	1125.2	1120.9	1116.5	1112.2	1116.5	1120.9	1125.2
132.5°	1193.3	1190.3	1188.8	1187.0	1183.5	1180.0	1176.5	1173.0	1176.5	1180.0	1183.5
135°	1247.3	1244.8	1243.6	1241.4	1237.1	1232.8	1228.4	1224.1	1228.4	1232.8	1237.1
137.5°	1296.3	1293.6	1292.3	1290.7	1287.4	1284.2	1280.9	1277.7	1280.9	1284.2	1287.4
140°	1344.2	1341.2	1339.7	1338.6	1336.5	1334.3	1332.2	1330.0	1332.2	1334.3	1336.5
142.5°	1387.6	1384.1	1382.3	1381.4	1379.5	1377.6	1375.7	1373.8	1375.7	1377.6	1379.5
145°	1425.7	1421.1	1418.8	1418.9	1419.2	1419.5	1419.7	1420.0	1419.7	1419.5	1419.2
147.5°	1463.4	1458.8	1456.5	1456.9	1457.7	1458.6	1459.4	1460.2	1459.4	1458.6	1457.7
150°	1497.1	1492.8	1490.6	1491.5	1493.4	1495.3	1497.2	1499.1	1497.2	1495.3	1493.4
152.5°	1528.4	1524.3	1522.3	1523.4	1525.5	1527.7	1529.8	1532.0	1529.8	1527.7	1525.5
155°	1557.6	1554.3	1552.7	1553.9	1556.3	1558.8	1561.2	1563.6	1561.2	1558.8	1556.3
157.5°	1583.1	1580.6	1579.4	1580.5	1582.7	1584.8	1587.0	1589.2	1587.0	1584.8	1582.7
160°	1606.2	1604.6	1603.8	1604.6	1606.2	1607.9	1609.5	1611.1	1609.5	1607.9	1606.2
162.5°	1625.3	1624.0	1623.3	1624.1	1625.7	1627.4	1629.0	1630.6	1629.0	1627.4	1625.7
165°	1641.5	1640.7	1640.3	1641.1	1642.7	1644.4	1646.0	1647.6	1646.0	1644.4	1642.7
167.5°	1654.9	1654.1	1653.7	1654.5	1656.1	1657.8	1659.4	1661.0	1659.4	1657.8	1656.1
170°	1665.4	1664.9	1664.6	1665.4	1667.0	1668.7	1670.3	1671.9	1670.3	1668.7	1667.0
172.5°	1672.7	1672.2	1671.9	1672.7	1674.3	1676.0	1677.6	1679.2	1677.6	1676.0	1674.3
175°	1677.6	1677.1	1676.8	1677.7	1679.6	1681.5	1683.4	1685.3	1683.4	1681.5	1679.6
177.5°	1679.6	1679.3	1679.2	1680.1	1682.0	1683.9	1685.8	1687.7	1685.8	1683.9	1682.0
180°	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7

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CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-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°	13.1	14.6	15.7	17.8	20.0	22.1	24.3	25.7	27.0	28.4	29.7
92.5°	26.1	25.6	26.0	26.8	27.6	28.4	29.2	29.7	30.3	30.8	31.3
95°	43.4	38.9	39.9	41.8	43.7	45.6	47.5	48.8	50.2	51.5	52.8
97.5°	53.7	42.6	44.8	49.1	53.4	57.8	62.1	62.9	63.7	64.5	65.3
100°	67.2	48.7	51.0	55.6	60.2	64.8	69.4	71.6	73.7	75.9	78.0
102.5°	293.6	293.3	268.7	219.5	170.2	121.0	71.8	74.8	77.8	80.7	83.7
105°	402.3	406.4	369.5	295.7	221.8	148.0	74.2	77.2	80.2	83.1	86.1
107.5°	483.3	486.7	441.1	350.0	258.9	167.8	76.7	79.7	82.6	85.6	88.5
110°	561.8	564.6	525.5	447.4	369.2	291.1	212.9	185.9	158.9	131.8	104.8

TEST NUMBER: P1029162

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	636.4	638.8	636.5	631.9	627.4	622.8	618.2	501.6	385.1	268.5	152.0
115°	718.1	720.4	723.8	730.5	737.3	744.0	750.8	625.6	500.4	375.2	250.0
117.5°	793.1	795.8	798.1	802.7	807.3	811.9	816.5	777.8	739.2	700.5	661.8
120°	868.0	870.0	872.4	877.3	882.2	887.0	891.9	895.1	898.4	901.6	904.9
122.5°	937.2	939.4	942.1	947.5	952.9	958.3	963.7	965.3	966.9	968.6	970.2
125°	1003.3	1005.1	1007.7	1012.8	1017.9	1023.1	1028.2	1030.1	1032.0	1033.9	1035.8
127.5°	1067.7	1069.6	1071.6	1075.7	1079.7	1083.8	1087.8	1090.5	1093.2	1095.9	1098.6
130°	1129.5	1131.7	1133.2	1136.1	1139.1	1142.0	1145.0	1148.0	1151.0	1153.9	1156.9
132.5°	1187.0	1188.8	1190.3	1193.3	1196.2	1199.2	1202.2	1204.6	1207.1	1209.5	1212.0
135°	1241.4	1243.6	1244.8	1247.3	1249.7	1252.2	1254.6	1257.3	1260.0	1262.7	1265.4
137.5°	1290.7	1292.3	1293.6	1296.3	1299.0	1301.7	1304.4	1307.1	1309.8	1312.5	1315.2
140°	1338.6	1339.7	1341.2	1344.2	1347.1	1350.1	1353.1	1355.5	1358.0	1360.4	1362.9
142.5°	1381.4	1382.3	1384.1	1387.6	1391.1	1394.6	1398.1	1400.3	1402.5	1404.6	1406.8
145°	1418.9	1418.8	1421.1	1425.7	1430.3	1434.9	1439.5	1441.4	1443.3	1445.2	1447.1
147.5°	1456.9	1456.5	1458.8	1463.4	1468.0	1472.6	1477.2	1478.6	1479.9	1481.3	1482.6
150°	1491.5	1490.6	1492.8	1497.1	1501.4	1505.8	1510.1	1511.7	1513.3	1515.0	1516.6
152.5°	1523.4	1522.3	1524.3	1528.4	1532.4	1536.5	1540.5	1542.1	1543.7	1545.4	1547.0
155°	1553.9	1552.7	1554.3	1557.6	1560.8	1564.1	1567.3	1568.9	1570.5	1572.2	1573.8
157.5°	1580.5	1579.4	1580.6	1583.1	1585.5	1588.0	1590.4	1592.3	1594.2	1596.1	1598.0
160°	1604.6	1603.8	1604.6	1606.2	1607.9	1609.5	1611.1	1612.7	1614.3	1616.0	1617.6
162.5°	1624.1	1623.3	1624.0	1625.3	1626.6	1628.0	1629.3	1631.2	1633.1	1635.0	1636.9
165°	1641.1	1640.3	1640.7	1641.5	1642.3	1643.1	1643.9	1645.8	1647.7	1649.6	1651.5
167.5°	1654.5	1653.7	1654.1	1654.9	1655.7	1656.5	1657.3	1659.2	1661.1	1663.0	1664.9
170°	1665.4	1664.6	1664.9	1665.4	1666.0	1666.5	1667.1	1669.0	1670.9	1672.8	1674.7
172.5°	1672.7	1671.9	1672.2	1672.7	1673.3	1673.8	1674.4	1676.3	1678.2	1680.1	1682.0
175°	1677.7	1676.8	1677.1	1677.6	1678.1	1678.7	1679.2	1681.1	1683.0	1684.9	1686.8
177.5°	1680.1	1679.2	1679.3	1679.6	1679.9	1680.1	1680.4	1682.3	1684.2	1686.1	1688.0
180°	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7

TEST NUMBER: P1029162

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_4000K

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°	30.4	30.7	31.2	31.8	32.3	32.9	32.3	31.8	31.2	30.7	30.4
92.5°	31.6	31.7	32.0	32.3	32.6	32.9	32.6	32.3	32.0	31.7	31.6
95°	53.5	53.4	53.1	52.8	52.6	52.3	52.6	52.8	53.1	53.4	53.5
97.5°	65.7	65.8	66.1	66.4	66.6	66.9	66.6	66.4	66.1	65.8	65.7
100°	79.1	79.4	79.9	80.4	81.0	81.5	81.0	80.4	79.9	79.4	79.1
102.5°	85.2	85.6	86.4	87.2	88.0	88.8	88.0	87.2	86.4	85.6	85.2
105°	87.6	88.1	89.2	90.3	91.4	92.5	91.4	90.3	89.2	88.1	87.6
107.5°	90.0	90.5	91.6	92.7	93.8	94.9	93.8	92.7	91.6	90.5	90.0
110°	91.3	91.8	92.9	94.0	95.0	96.1	95.0	94.0	92.9	91.8	91.3

TEST NUMBER: P1029162

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	93.7	94.1	94.9	95.7	96.5	97.3	96.5	95.7	94.9	94.1	93.7
115°	187.4	177.7	158.2	138.7	119.3	99.8	119.3	138.7	158.2	177.7	187.4
117.5°	642.5	607.1	536.2	465.4	394.5	323.7	394.5	465.4	536.2	607.1	642.5
120°	906.5	888.3	851.8	815.3	778.8	742.3	778.8	815.3	851.8	888.3	906.5
122.5°	971.0	971.1	971.4	971.7	971.9	972.2	971.9	971.7	971.4	971.1	971.0
125°	1036.7	1037.1	1037.9	1038.8	1039.6	1040.4	1039.6	1038.8	1037.9	1037.1	1036.7
127.5°	1100.0	1100.1	1100.4	1100.7	1100.9	1101.2	1100.9	1100.7	1100.4	1100.1	1100.0
130°	1158.4	1158.3	1158.0	1157.7	1157.5	1157.2	1157.5	1157.7	1158.0	1158.3	1158.4
132.5°	1213.2	1213.1	1212.8	1212.5	1212.3	1212.0	1212.3	1212.5	1212.8	1213.1	1213.2
135°	1266.7	1266.4	1265.9	1265.4	1264.8	1264.3	1264.8	1265.4	1265.9	1266.4	1266.7
137.5°	1316.6	1316.2	1315.4	1314.6	1313.8	1313.0	1313.8	1314.6	1315.4	1316.2	1316.6
140°	1364.1	1363.4	1362.1	1360.7	1359.4	1358.0	1359.4	1360.7	1362.1	1363.4	1364.1
142.5°	1407.9	1407.2	1405.9	1404.5	1403.2	1401.8	1403.2	1404.5	1405.9	1407.2	1407.9
145°	1448.0	1447.3	1446.0	1444.6	1443.3	1441.9	1443.3	1444.6	1446.0	1447.3	1448.0
147.5°	1483.3	1482.8	1481.7	1480.6	1479.6	1478.5	1479.6	1480.6	1481.7	1482.8	1483.3
150°	1517.4	1516.7	1515.4	1514.0	1512.7	1511.3	1512.7	1514.0	1515.4	1516.7	1517.4
152.5°	1547.8	1546.9	1545.0	1543.1	1541.2	1539.3	1541.2	1543.1	1545.0	1546.9	1547.8
155°	1574.6	1573.5	1571.3	1569.2	1567.0	1564.8	1567.0	1569.2	1571.3	1573.5	1574.6
157.5°	1598.9	1597.8	1595.7	1593.5	1591.4	1589.2	1591.4	1593.5	1595.7	1597.8	1598.9
160°	1618.4	1617.5	1615.6	1613.7	1611.8	1609.9	1611.8	1613.7	1615.6	1617.5	1618.4
162.5°	1637.9	1636.7	1634.2	1631.8	1629.3	1626.9	1629.3	1631.8	1634.2	1636.7	1637.9
165°	1652.5	1651.5	1649.6	1647.7	1645.8	1643.9	1645.8	1647.7	1649.6	1651.5	1652.5
167.5°	1665.8	1664.6	1662.2	1659.7	1657.3	1654.9	1657.3	1659.7	1662.2	1664.6	1665.8
170°	1675.6	1674.4	1671.9	1669.5	1667.0	1664.6	1667.0	1669.5	1671.9	1674.4	1675.6
172.5°	1682.9	1681.7	1679.2	1676.8	1674.3	1671.9	1674.3	1676.8	1679.2	1681.7	1682.9
175°	1687.7	1686.4	1683.7	1681.0	1678.3	1675.6	1678.3	1681.0	1683.7	1686.4	1687.7
177.5°	1689.0	1687.8	1685.3	1682.9	1680.4	1678.0	1680.4	1682.9	1685.3	1687.8	1689.0
180°	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7

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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°	29.7	28.4	27.0	25.7	24.3	22.1	20.0	17.8	15.7	14.6	13.1
92.5°	31.3	30.8	30.3	29.7	29.2	28.4	27.6	26.8	26.0	25.6	26.1
95°	52.8	51.5	50.2	48.8	47.5	45.6	43.7	41.8	39.9	38.9	43.4
97.5°	65.3	64.5	63.7	62.9	62.1	57.8	53.4	49.1	44.8	42.6	53.7
100°	78.0	75.9	73.7	71.6	69.4	64.8	60.2	55.6	51.0	48.7	67.2
102.5°	83.7	80.7	77.8	74.8	71.8	121.0	170.2	219.5	268.7	293.3	293.6
105°	86.1	83.1	80.2	77.2	74.2	148.0	221.8	295.7	369.5	406.4	402.3
107.5°	88.5	85.6	82.6	79.7	76.7	167.8	258.9	350.0	441.1	486.7	483.3
110°	104.8	131.8	158.9	185.9	212.9	291.1	369.2	447.4	525.5	564.6	561.8

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CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	152.0	268.5	385.1	501.6	618.2	622.8	627.4	631.9	636.5	638.8	636.4
115°	250.0	375.2	500.4	625.6	750.8	744.0	737.3	730.5	723.8	720.4	718.1
117.5°	661.8	700.5	739.2	777.8	816.5	811.9	807.3	802.7	798.1	795.8	793.1
120°	904.9	901.6	898.4	895.1	891.9	887.0	882.2	877.3	872.4	870.0	868.0
122.5°	970.2	968.6	966.9	965.3	963.7	958.3	952.9	947.5	942.1	939.4	937.2
125°	1035.8	1033.9	1032.0	1030.1	1028.2	1023.1	1017.9	1012.8	1007.7	1005.1	1003.3
127.5°	1098.6	1095.9	1093.2	1090.5	1087.8	1083.8	1079.7	1075.7	1071.6	1069.6	1067.7
130°	1156.9	1153.9	1151.0	1148.0	1145.0	1142.0	1139.1	1136.1	1133.2	1131.7	1129.5
132.5°	1212.0	1209.5	1207.1	1204.6	1202.2	1199.2	1196.2	1193.3	1190.3	1188.8	1187.0
135°	1265.4	1262.7	1260.0	1257.3	1254.6	1252.2	1249.7	1247.3	1244.8	1243.6	1241.4
137.5°	1315.2	1312.5	1309.8	1307.1	1304.4	1301.7	1299.0	1296.3	1293.6	1292.3	1290.7
140°	1362.9	1360.4	1358.0	1355.5	1353.1	1350.1	1347.1	1344.2	1341.2	1339.7	1338.6
142.5°	1406.8	1404.6	1402.5	1400.3	1398.1	1394.6	1391.1	1387.6	1384.1	1382.3	1381.4
145°	1447.1	1445.2	1443.3	1441.4	1439.5	1434.9	1430.3	1425.7	1421.1	1418.8	1418.9
147.5°	1482.6	1481.3	1479.9	1478.6	1477.2	1472.6	1468.0	1463.4	1458.8	1456.5	1456.9
150°	1516.6	1515.0	1513.3	1511.7	1510.1	1505.8	1501.4	1497.1	1492.8	1490.6	1491.5
152.5°	1547.0	1545.4	1543.7	1542.1	1540.5	1536.5	1532.4	1528.4	1524.3	1522.3	1523.4
155°	1573.8	1572.2	1570.5	1568.9	1567.3	1564.1	1560.8	1557.6	1554.3	1552.7	1553.9
157.5°	1598.0	1596.1	1594.2	1592.3	1590.4	1588.0	1585.5	1583.1	1580.6	1579.4	1580.5
160°	1617.6	1616.0	1614.3	1612.7	1611.1	1609.5	1607.9	1606.2	1604.6	1603.8	1604.6
162.5°	1636.9	1635.0	1633.1	1631.2	1629.3	1628.0	1626.6	1625.3	1624.0	1623.3	1624.1
165°	1651.5	1649.6	1647.7	1645.8	1643.9	1643.1	1642.3	1641.5	1640.7	1640.3	1641.1
167.5°	1664.9	1663.0	1661.1	1659.2	1657.3	1656.5	1655.7	1654.9	1654.1	1653.7	1654.5
170°	1674.7	1672.8	1670.9	1669.0	1667.1	1666.5	1666.0	1665.4	1664.9	1664.6	1665.4
172.5°	1682.0	1680.1	1678.2	1676.3	1674.4	1673.8	1673.3	1672.7	1672.2	1671.9	1672.7
175°	1686.8	1684.9	1683.0	1681.1	1679.2	1678.7	1678.1	1677.6	1677.1	1676.8	1677.7
177.5°	1688.0	1686.1	1684.2	1682.3	1680.4	1680.1	1679.9	1679.6	1679.3	1679.2	1680.1
180°	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7

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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°	10.1	7.2	4.2	1.2
92.5°	27.2	28.3	29.3	30.4
95°	52.3	61.2	70.2	79.1
97.5°	75.9	98.0	120.2	142.4
100°	104.3	141.3	178.4	215.4
102.5°	294.1	294.6	295.2	295.7
105°	394.2	386.1	378.0	369.9
107.5°	476.6	469.8	463.1	456.3
110°	556.1	550.4	544.8	539.1

TEST NUMBER: P1029162

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	631.5	626.6	621.8	616.9
115°	713.5	708.9	704.3	699.7
117.5°	787.7	782.3	776.9	771.5
120°	863.9	859.9	855.8	851.8
122.5°	932.9	928.6	924.2	919.9
125°	999.8	996.3	992.8	989.3
127.5°	1063.9	1060.2	1056.4	1052.6
130°	1125.2	1120.9	1116.5	1112.2
132.5°	1183.5	1180.0	1176.5	1173.0
135°	1237.1	1232.8	1228.4	1224.1
137.5°	1287.4	1284.2	1280.9	1277.7
140°	1336.5	1334.3	1332.2	1330.0
142.5°	1379.5	1377.6	1375.7	1373.8
145°	1419.2	1419.5	1419.7	1420.0
147.5°	1457.7	1458.6	1459.4	1460.2
150°	1493.4	1495.3	1497.2	1499.1
152.5°	1525.5	1527.7	1529.8	1532.0
155°	1556.3	1558.8	1561.2	1563.6
157.5°	1582.7	1584.8	1587.0	1589.2
160°	1606.2	1607.9	1609.5	1611.1
162.5°	1625.7	1627.4	1629.0	1630.6
165°	1642.7	1644.4	1646.0	1647.6
167.5°	1656.1	1657.8	1659.4	1661.0
170°	1667.0	1668.7	1670.3	1671.9
172.5°	1674.3	1676.0	1677.6	1679.2
175°	1679.6	1681.5	1683.4	1685.3
177.5°	1682.0	1683.9	1685.8	1687.7
180°	1681.7	1681.7	1681.7	1681.7

(END OF REPORT)