

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: P1029163

Luminaire Tested: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_5000K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029163
REPORT IS A COMBINATION OF REPORTS P985041 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_5000K
Description: Define 2 Direct/Indirect Wall Mount with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

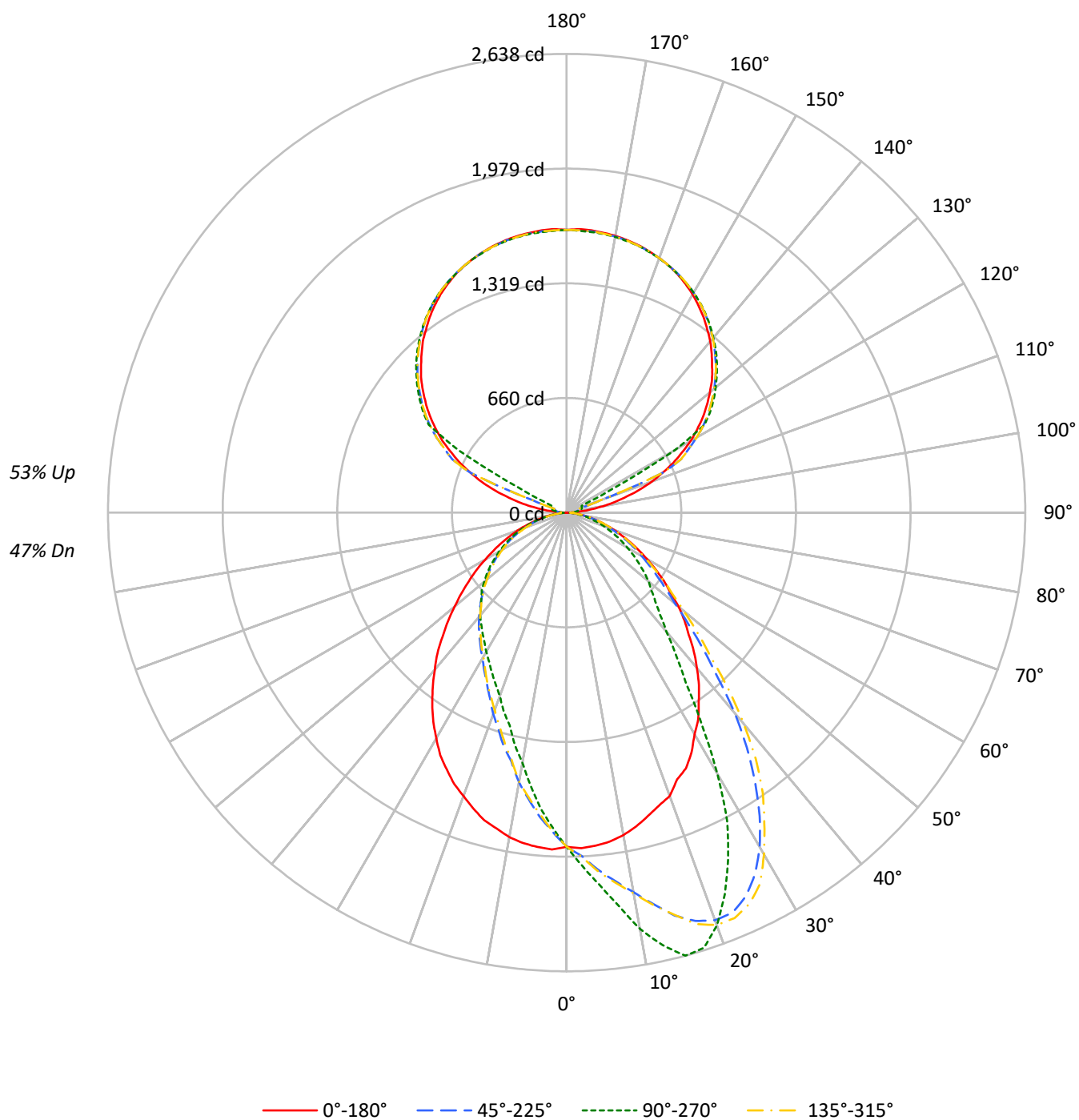
Lumens per Lamp: N/A
Luminaire Lumens: 9009.0 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	30413	30413	30413	30413
5°	30486	32427	30603	25799
10°	30132	35400	30321	21271
15°	29401	37339	29809	17916
20°	28943	35058	28943	15573
25°	28020	30119	28148	13925
30°	26503	23676	27007	12614
35°	25158	16372	25578	11542
40°	23613	12361	23882	10686
45°	21707	10158	22061	9762
50°	20059	8915	20095	8937
55°	18181	7596	18298	8040
60°	16177	6345	16401	7017
65°	14383	5161	14646	5992
70°	12598	4049	12919	4833
75°	10573	2940	10987	3505
80°	8255	1863	8846	2079
85°	5424	938	5848	694

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 31439 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.0	2.0
10°-20°	532.6	5.9
20°-30°	773.0	8.6
30°-40°	814.9	9.0
40°-50°	721.1	8.0
50°-60°	575.8	6.4
60°-70°	391.1	4.3
70°-80°	200.1	2.2
80°-90°	50.1	0.6
90°-100°	53.6	0.6
100°-110°	199.9	2.2
110°-120°	530.1	5.9
120°-130°	879.2	9.8
130°-140°	934.0	10.4
140°-150°	868.0	9.6
150°-160°	697.9	7.7
160°-170°	449.7	5.0
170°-180°	154.8	1.7
0°-30°	1488.7	16.5
0°-40°	2303.6	25.6
0°-60°	3600.5	40.0
0°-90°	4241.9	47.1
90°-120°	783.6	8.7
90°-150°	3464.8	38.5
90°-180°	4767.0	52.9
0°-180°	9009.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1921	1921	1921	1921	1921	
5°	1923	2146	1930	1707	1923	182
15°	1806	2638	1831	1266	1806	510
25°	1623	2198	1630	1016	1623	742
35°	1325	1196	1347	843	1325	829
45°	994	721	1010	693	994	771
55°	682	506	687	536	682	609
65°	405	312	412	362	405	402
75°	189	154	196	183	189	203
85°	38	40	41	30	38	45
90°	1	32	1	32	1	7
95°	76	51	76	51	76	91
105°	358	89	358	89	358	382
115°	677	96	677	96	677	666
125°	957	1006	957	1006	957	853
135°	1184	1222	1184	1222	1184	914
145°	1373	1394	1373	1394	1373	859
155°	1512	1513	1512	1513	1512	697
165°	1593	1590	1593	1590	1593	450
175°	1630	1620	1630	1620	1630	155
180°	1626	1626	1626	1626	1626	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3
2.5°	1931.6	1936.1	1943.5	1944.9	1959.7	1971.5	1984.8	1984.8	1989.2	1987.8	1976.0
5°	1922.8	1936.1	1955.3	1971.5	1998.1	2009.9	2027.6	2040.9	2052.7	2061.6	2060.1
7.5°	1908.0	1931.6	1959.7	1990.7	2026.2	2046.8	2071.9	2095.6	2111.8	2126.6	2136.9
10°	1882.9	1922.8	1961.2	2002.5	2048.3	2076.4	2105.9	2136.9	2162.0	2190.1	2216.7
12.5°	1848.9	1906.5	1953.8	2008.4	2064.6	2095.6	2142.8	2166.5	2215.2	2286.1	2305.3
15°	1806.1	1884.4	1928.7	1998.1	2071.9	2097.1	2162.0	2200.4	2300.8	2345.2	2398.3
17.5°	1766.2	1853.4	1912.5	1992.2	2064.6	2113.3	2176.8	2255.1	2339.2	2402.7	2461.8
20°	1733.8	1817.9	1888.8	1977.4	2069.0	2131.0	2197.5	2292.0	2383.5	2448.5	2494.3
22.5°	1659.9	1767.7	1850.4	1949.4	2060.1	2145.8	2209.3	2312.7	2411.6	2451.5	2491.4
25°	1623.0	1716.0	1812.0	1924.3	2054.2	2156.1	2210.8	2326.0	2413.1	2427.9	2436.7
27.5°	1555.1	1659.9	1772.2	1900.6	2052.7	2138.4	2207.8	2312.7	2382.1	2371.7	2345.2
30°	1470.9	1599.4	1723.4	1862.2	2032.1	2125.1	2190.1	2286.1	2321.5	2268.4	2221.1
32.5°	1408.9	1530.0	1667.3	1828.3	2008.4	2097.1	2160.6	2235.9	2243.3	2147.3	2067.5
35°	1324.7	1459.1	1614.1	1784.0	1968.6	2048.3	2107.4	2153.2	2117.7	1983.3	1888.8
37.5°	1249.4	1382.3	1547.7	1720.5	1913.9	1992.2	2039.5	2046.8	1959.7	1841.6	1702.7
40°	1166.7	1304.0	1476.8	1658.4	1853.4	1921.3	1950.8	1928.7	1803.2	1665.8	1504.9
42.5°	1084.0	1219.8	1405.9	1592.0	1776.6	1834.2	1846.0	1785.4	1631.9	1470.9	1284.8
45°	993.9	1135.7	1321.7	1509.3	1688.0	1720.5	1721.9	1634.8	1453.2	1284.8	1112.0
47.5°	920.0	1051.5	1236.1	1423.6	1574.3	1596.4	1587.6	1487.1	1289.2	1100.2	949.6
50°	838.8	964.3	1147.5	1332.1	1460.6	1466.5	1444.3	1301.1	1107.6	934.8	815.2
52.5°	751.7	878.7	1047.0	1224.3	1339.5	1330.6	1287.8	1134.2	952.5	809.3	717.7
55°	682.3	794.5	952.5	1125.3	1206.5	1181.4	1134.2	977.6	834.4	713.3	633.5
57.5°	605.5	704.4	859.5	1010.1	1057.4	1033.8	986.5	840.3	707.4	615.8	562.7
60°	533.1	623.2	759.1	884.6	921.5	896.4	841.8	710.3	614.3	537.6	497.7
62.5°	466.7	544.9	658.7	773.8	788.6	763.5	716.2	609.9	527.2	466.7	437.1
65°	404.6	478.5	570.0	657.2	670.5	643.9	595.1	518.4	448.9	410.5	382.5
67.5°	344.1	403.2	484.4	547.9	555.3	530.2	490.3	428.3	385.4	344.1	323.4
70°	290.9	335.2	398.7	450.4	453.4	429.7	409.1	353.0	320.5	290.9	274.7
72.5°	239.2	270.3	319.0	357.4	358.9	344.1	324.9	289.5	261.4	240.7	224.5
75°	189.0	215.6	245.1	279.1	277.6	265.8	251.1	228.9	205.3	192.0	184.6
77.5°	144.7	161.0	184.6	206.8	206.8	200.8	192.0	175.7	161.0	147.7	140.3
80°	103.4	113.7	132.9	140.3	143.2	141.8	134.4	122.6	116.7	106.3	103.4
82.5°	66.5	73.8	82.7	90.1	94.5	91.6	90.1	84.2	75.3	72.4	69.4
85°	38.4	41.4	45.8	50.2	51.7	50.2	53.2	48.7	44.3	44.3	42.8
87.5°	16.2	17.7	20.7	20.7	22.2	22.2	20.7	22.2	22.2	20.7	19.2
90°	1.2	4.1	6.9	9.8	12.7	14.1	15.1	17.2	19.3	21.4	23.5
92.5°	29.4	28.4	27.3	26.3	25.2	24.7	25.1	25.9	26.6	27.4	28.2
95°	76.5	67.9	59.3	50.6	42.0	37.7	38.6	40.4	42.3	44.1	45.9
97.5°	137.7	116.3	94.8	73.4	51.9	41.2	43.3	47.5	51.6	55.8	60.0
100°	208.3	172.5	136.7	100.8	65.0	47.1	49.3	53.8	58.2	62.7	67.1
102.5°	285.9	285.4	284.9	284.4	283.9	283.6	259.8	212.2	164.6	117.0	69.4
105°	357.7	365.5	373.4	381.2	389.1	393.0	357.3	285.9	214.6	143.2	71.8
107.5°	441.2	447.7	454.3	460.8	467.3	470.6	426.5	338.4	250.3	162.2	74.1
110°	521.2	526.7	532.2	537.7	543.2	546.0	508.2	432.6	357.1	281.5	205.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	596.5	601.2	605.9	610.6	615.3	617.7	615.5	611.0	606.6	602.1	597.7
115°	676.6	681.0	685.5	689.9	694.4	696.6	699.9	706.4	712.9	719.5	726.0
117.5°	746.0	751.2	756.4	761.7	766.9	769.5	771.7	776.2	780.6	785.1	789.5
120°	823.6	827.5	831.5	835.4	839.3	841.3	843.7	848.4	853.1	857.8	862.5
122.5°	889.5	893.7	897.9	902.1	906.3	908.4	911.0	916.2	921.5	926.7	931.9
125°	956.6	960.0	963.4	966.8	970.2	971.9	974.4	979.3	984.3	989.2	994.2
127.5°	1017.8	1021.5	1025.1	1028.8	1032.5	1034.3	1036.3	1040.2	1044.1	1048.0	1051.9
130°	1075.4	1079.6	1083.8	1088.0	1092.2	1094.3	1095.7	1098.6	1101.5	1104.3	1107.2
132.5°	1134.3	1137.7	1141.1	1144.5	1147.9	1149.6	1151.0	1153.9	1156.8	1159.6	1162.5
135°	1183.7	1187.9	1192.1	1196.2	1200.4	1202.5	1203.7	1206.0	1208.4	1210.7	1213.1
137.5°	1235.5	1238.6	1241.8	1244.9	1248.0	1249.6	1250.9	1253.5	1256.1	1258.7	1261.3
140°	1286.1	1288.2	1290.3	1292.4	1294.5	1295.5	1296.9	1299.8	1302.7	1305.5	1308.4
142.5°	1328.4	1330.2	1332.0	1333.9	1335.7	1336.6	1338.3	1341.7	1345.1	1348.5	1351.9
145°	1373.1	1372.8	1372.6	1372.3	1372.0	1371.9	1374.1	1378.6	1383.0	1387.5	1391.9
147.5°	1411.9	1411.1	1410.3	1409.6	1408.8	1408.4	1410.6	1415.1	1419.5	1424.0	1428.4
150°	1449.6	1447.8	1446.0	1444.1	1442.3	1441.4	1443.5	1447.7	1451.8	1456.0	1460.2
152.5°	1481.4	1479.3	1477.2	1475.1	1473.0	1472.0	1474.0	1477.9	1481.8	1485.7	1489.6
155°	1512.0	1509.6	1507.3	1504.9	1502.6	1501.4	1503.0	1506.1	1509.2	1512.4	1515.5
157.5°	1536.7	1534.6	1532.5	1530.4	1528.3	1527.3	1528.5	1530.8	1533.1	1535.5	1537.8
160°	1557.9	1556.3	1554.7	1553.2	1551.6	1550.8	1551.6	1553.2	1554.7	1556.3	1557.9
162.5°	1576.7	1575.1	1573.5	1572.0	1570.4	1569.6	1570.3	1571.6	1572.9	1574.2	1575.5
165°	1593.1	1591.5	1590.0	1588.4	1586.9	1586.1	1586.5	1587.3	1588.0	1588.8	1589.6
167.5°	1606.1	1604.5	1602.9	1601.4	1599.8	1599.0	1599.4	1600.2	1601.0	1601.8	1602.6
170°	1616.7	1615.1	1613.5	1612.0	1610.4	1609.6	1609.9	1610.4	1610.9	1611.5	1612.0
172.5°	1623.7	1622.1	1620.6	1619.0	1617.5	1616.7	1617.0	1617.5	1618.0	1618.5	1619.0
175°	1629.6	1627.8	1626.0	1624.1	1622.3	1621.4	1621.7	1622.2	1622.7	1623.2	1623.7
177.5°	1632.0	1630.2	1628.3	1626.5	1624.6	1623.7	1623.8	1624.1	1624.4	1624.6	1624.9
180°	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3
2.5°	1996.6	1998.1	2001.1	2015.8	2023.2	2024.7	2018.8	2032.1	2036.5	2032.1	2029.1
5°	2091.1	2100.0	2117.7	2136.9	2135.4	2136.9	2145.8	2154.6	2157.6	2145.8	2150.2
7.5°	2173.8	2191.6	2210.8	2240.3	2240.3	2255.1	2261.0	2268.4	2286.1	2277.2	2274.3
10°	2268.4	2292.0	2327.4	2374.7	2376.2	2390.9	2405.7	2429.3	2436.7	2430.8	2433.8
12.5°	2386.5	2432.3	2435.2	2486.9	2510.6	2513.5	2537.1	2532.7	2547.5	2547.5	2572.6
15°	2438.2	2509.1	2549.0	2599.2	2613.9	2596.2	2615.4	2636.1	2637.6	2637.6	2636.1
17.5°	2531.2	2559.3	2599.2	2625.7	2631.7	2631.7	2633.1	2642.0	2636.1	2624.3	2633.1
20°	2550.4	2562.2	2577.0	2574.1	2577.0	2562.2	2547.5	2532.7	2534.2	2526.8	2549.0
22.5°	2515.0	2512.0	2478.1	2455.9	2455.9	2426.4	2398.3	2385.0	2371.7	2376.2	2383.5
25°	2426.4	2380.6	2339.2	2306.8	2299.4	2252.1	2213.7	2201.9	2179.8	2197.5	2200.4
27.5°	2284.6	2232.9	2166.5	2138.4	2100.0	2080.8	2054.2	2018.8	1973.0	1999.6	1995.2
30°	2132.5	2055.7	2001.1	1933.1	1872.6	1868.1	1817.9	1758.9	1735.2	1735.2	1748.5
32.5°	1962.7	1860.8	1781.0	1685.0	1626.0	1600.8	1540.3	1481.2	1494.5	1450.2	1466.5
35°	1764.8	1630.4	1530.0	1436.9	1392.6	1363.1	1284.8	1252.3	1216.9	1196.2	1234.6
37.5°	1575.7	1420.7	1292.2	1190.3	1174.1	1120.9	1067.7	1047.0	1026.4	1035.2	1033.8
40°	1345.4	1208.0	1092.8	1013.1	985.0	959.9	924.5	899.4	886.1	893.5	894.9
42.5°	1137.1	1021.9	936.3	880.2	856.5	838.8	821.1	800.4	796.0	796.0	801.9
45°	976.2	881.6	824.1	778.3	765.0	751.7	738.4	729.5	726.6	720.7	725.1
47.5°	847.7	772.4	736.9	703.0	688.2	685.2	673.4	669.0	663.1	661.6	663.1
50°	739.9	692.6	660.1	640.9	630.6	626.2	620.3	611.4	608.4	615.8	612.9
52.5°	664.6	620.3	602.5	583.3	577.4	571.5	562.7	564.1	562.7	559.7	559.7
55°	589.2	561.2	543.5	528.7	527.2	521.3	513.9	511.0	509.5	506.5	511.0
57.5°	528.7	506.5	490.3	477.0	471.1	471.1	463.7	457.8	457.8	456.3	457.8
60°	468.1	446.0	435.7	422.4	417.9	416.5	412.0	409.1	404.6	404.6	404.6
62.5°	412.0	394.3	382.5	370.7	372.2	364.8	358.9	355.9	355.9	357.4	357.4
65°	358.9	347.0	332.3	321.9	319.0	317.5	314.6	313.1	308.7	311.6	311.6
67.5°	310.1	293.9	285.0	280.6	276.2	274.7	271.7	268.8	267.3	265.8	268.8
70°	261.4	248.1	240.7	237.8	233.3	231.9	230.4	225.9	227.4	228.9	230.4
72.5°	217.1	205.3	203.8	194.9	194.9	194.9	189.0	192.0	190.5	187.6	190.5
75°	171.3	165.4	162.4	158.0	159.5	158.0	156.5	152.1	152.1	153.6	155.1
77.5°	135.9	130.0	128.5	124.1	121.1	124.1	121.1	119.6	119.6	121.1	121.1
80°	100.4	97.5	93.0	93.0	93.0	91.6	91.6	91.6	90.1	88.6	90.1
82.5°	66.5	66.5	65.0	63.5	65.0	62.0	63.5	63.5	63.5	63.5	63.5
85°	42.8	41.4	41.4	39.9	39.9	39.9	41.4	38.4	38.4	39.9	39.9
87.5°	19.2	19.2	19.2	20.7	19.2	19.2	19.2	20.7	19.2	19.2	19.2
90°	24.8	26.1	27.4	28.7	29.4	29.7	30.2	30.7	31.3	31.8	31.3
92.5°	28.7	29.3	29.8	30.3	30.6	30.7	31.0	31.3	31.5	31.8	31.5
95°	47.2	48.5	49.8	51.1	51.8	51.7	51.4	51.1	50.9	50.6	50.9
97.5°	60.8	61.6	62.3	63.1	63.5	63.6	63.9	64.2	64.4	64.7	64.4
100°	69.2	71.3	73.4	75.5	76.5	76.8	77.3	77.8	78.3	78.8	78.3
102.5°	72.3	75.2	78.1	81.0	82.4	82.8	83.6	84.3	85.1	85.9	85.1
105°	74.7	77.5	80.4	83.3	84.7	85.2	86.3	87.3	88.4	89.4	88.4
107.5°	77.0	79.9	82.8	85.7	87.1	87.6	88.7	89.7	90.8	91.8	90.8
110°	179.7	153.6	127.4	101.3	88.2	88.7	89.8	90.9	91.9	93.0	91.9

TEST NUMBER: P1029163

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	485.0	372.3	259.6	146.9	90.6	91.0	91.8	92.5	93.3	94.1	93.3
115°	604.9	483.9	362.8	241.7	181.2	171.8	153.0	134.1	115.3	96.5	115.3
117.5°	752.1	714.7	677.4	640.0	621.3	587.0	518.5	450.0	381.5	313.0	381.5
120°	865.6	868.8	871.9	875.0	876.6	858.9	823.6	788.3	753.0	717.7	753.0
122.5°	933.5	935.0	936.6	938.1	938.9	939.0	939.3	939.6	939.8	940.1	939.8
125°	996.0	997.9	999.7	1001.6	1002.5	1002.9	1003.7	1004.4	1005.2	1006.0	1005.2
127.5°	1054.5	1057.1	1059.8	1062.4	1063.7	1063.8	1064.1	1064.3	1064.6	1064.8	1064.6
130°	1110.1	1112.9	1115.8	1118.7	1120.1	1120.0	1119.7	1119.5	1119.2	1119.0	1119.2
132.5°	1164.9	1167.2	1169.6	1171.9	1173.1	1173.0	1172.7	1172.4	1172.2	1171.9	1172.2
135°	1215.7	1218.3	1221.0	1223.6	1224.9	1224.6	1224.1	1223.6	1223.0	1222.5	1223.0
137.5°	1263.9	1266.5	1269.2	1271.8	1273.1	1272.7	1271.9	1271.2	1270.4	1269.6	1270.4
140°	1310.8	1313.1	1315.5	1317.8	1319.0	1318.3	1317.0	1315.7	1314.4	1313.1	1314.4
142.5°	1354.0	1356.1	1358.2	1360.3	1361.4	1360.7	1359.4	1358.1	1356.8	1355.5	1356.8
145°	1393.7	1395.6	1397.4	1399.3	1400.2	1399.5	1398.2	1396.9	1395.6	1394.3	1395.6
147.5°	1429.7	1431.0	1432.3	1433.6	1434.3	1433.8	1432.7	1431.7	1430.6	1429.6	1430.6
150°	1461.8	1463.4	1464.9	1466.5	1467.3	1466.6	1465.3	1464.0	1462.7	1461.4	1462.7
152.5°	1491.2	1492.8	1494.3	1495.9	1496.7	1495.8	1493.9	1492.1	1490.2	1488.4	1490.2
155°	1517.1	1518.7	1520.2	1521.8	1522.6	1521.5	1519.4	1517.3	1515.2	1513.1	1515.2
157.5°	1539.6	1541.5	1543.3	1545.2	1546.1	1545.1	1543.0	1540.9	1538.8	1536.7	1538.8
160°	1559.5	1561.0	1562.6	1564.1	1564.9	1564.0	1562.2	1560.3	1558.5	1556.7	1558.5
162.5°	1577.3	1579.1	1581.0	1582.8	1583.7	1582.5	1580.2	1577.8	1575.5	1573.1	1575.5
165°	1591.4	1593.3	1595.1	1597.0	1597.9	1597.0	1595.1	1593.3	1591.4	1589.6	1591.4
167.5°	1604.4	1606.2	1608.1	1609.9	1610.8	1609.6	1607.3	1604.9	1602.6	1600.2	1602.6
170°	1613.8	1615.6	1617.5	1619.3	1620.2	1619.0	1616.7	1614.3	1612.0	1609.6	1612.0
172.5°	1620.8	1622.7	1624.5	1626.4	1627.3	1626.1	1623.8	1621.4	1619.1	1616.7	1619.1
175°	1625.5	1627.4	1629.2	1631.1	1632.0	1630.7	1628.1	1625.4	1622.8	1620.2	1622.8
177.5°	1626.7	1628.6	1630.4	1632.3	1633.2	1632.0	1629.7	1627.3	1625.0	1622.6	1625.0
180°	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1

TEST NUMBER: P1029163

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3
2.5°	2036.5	2026.2	2017.3	2018.8	2026.2	2020.3	2005.5	1986.3	1978.9	1970.0	1978.9
5°	2159.1	2150.2	2132.5	2134.0	2129.5	2123.6	2100.0	2070.5	2070.5	2046.8	2043.9
7.5°	2280.2	2266.9	2255.1	2252.1	2235.9	2224.1	2203.4	2162.0	2145.8	2117.7	2101.5
10°	2416.0	2405.7	2392.4	2376.2	2367.3	2346.6	2312.7	2252.1	2222.6	2184.2	2156.1
12.5°	2553.4	2551.9	2522.4	2489.9	2488.4	2455.9	2432.3	2351.1	2311.2	2259.5	2193.0
15°	2640.5	2633.1	2616.9	2600.6	2605.1	2569.6	2516.5	2420.5	2393.9	2331.9	2261.0
17.5°	2639.0	2639.0	2634.6	2631.7	2627.2	2616.9	2587.3	2523.8	2481.0	2402.7	2336.3
20°	2554.9	2574.1	2578.5	2577.0	2591.8	2599.2	2597.7	2557.8	2523.8	2454.4	2386.5
22.5°	2386.5	2430.8	2450.0	2461.8	2492.8	2509.1	2547.5	2532.7	2523.8	2472.2	2414.6
25°	2230.0	2244.7	2302.3	2305.3	2348.1	2388.0	2426.4	2451.5	2484.0	2464.8	2416.0
27.5°	2027.6	2061.6	2103.0	2134.0	2142.8	2224.1	2287.6	2334.8	2408.7	2414.6	2398.3
30°	1798.7	1815.0	1882.9	1924.3	1971.5	2030.6	2122.2	2203.4	2269.8	2330.4	2351.1
32.5°	1519.6	1586.1	1626.0	1676.2	1717.5	1822.4	1934.6	2039.5	2116.2	2218.1	2262.5
35°	1264.1	1315.8	1383.8	1404.4	1479.8	1568.4	1714.6	1848.9	1965.6	2069.0	2159.1
37.5°	1053.0	1094.3	1166.7	1199.2	1243.5	1357.2	1479.8	1646.6	1786.9	1913.9	2026.2
40°	908.2	939.2	993.9	1004.2	1041.1	1144.5	1243.5	1400.0	1586.1	1757.4	1880.0
42.5°	809.3	824.1	861.0	874.3	897.9	967.3	1055.9	1203.6	1376.4	1553.6	1726.4
45°	738.4	748.7	770.9	782.7	812.2	843.3	915.6	1033.8	1169.6	1348.3	1534.4
47.5°	674.9	688.2	697.0	704.4	720.7	754.6	801.9	889.0	1019.0	1182.9	1363.1
50°	621.7	626.2	642.4	643.9	654.2	676.4	720.7	773.8	877.2	1010.1	1184.4
52.5°	568.6	573.0	583.3	593.7	598.1	615.8	645.4	689.7	766.5	871.3	1026.4
55°	515.4	521.3	531.6	539.0	543.5	558.2	576.0	618.8	679.3	753.2	880.2
57.5°	462.2	475.5	478.5	482.9	490.3	506.5	522.8	547.9	595.1	663.1	756.1
60°	412.0	416.5	426.8	431.2	438.6	447.5	468.1	487.3	521.3	574.5	658.7
62.5°	360.3	370.7	375.1	379.5	385.4	395.8	409.1	429.7	459.3	502.1	568.6
65°	316.0	317.5	326.4	332.3	338.2	345.6	358.9	378.1	395.8	435.7	484.4
67.5°	273.2	276.2	279.1	285.0	292.4	299.8	311.6	321.9	344.1	370.7	409.1
70°	231.9	231.9	239.2	243.7	242.2	251.1	259.9	271.7	288.0	313.1	344.1
72.5°	194.9	193.5	199.4	200.8	203.8	209.7	215.6	227.4	236.3	255.5	279.1
75°	155.1	158.0	161.0	161.0	165.4	169.8	175.7	181.6	192.0	203.8	221.5
77.5°	122.6	122.6	125.5	127.0	131.4	130.0	135.9	141.8	149.2	159.5	172.8
80°	90.1	93.0	93.0	93.0	94.5	96.0	101.9	106.3	110.8	118.1	124.1
82.5°	63.5	63.5	66.5	66.5	66.5	69.4	69.4	70.9	73.8	78.3	82.7
85°	39.9	39.9	39.9	41.4	39.9	41.4	44.3	42.8	44.3	47.3	47.3
87.5°	19.2	19.2	19.2	19.2	19.2	20.7	19.2	20.7	22.2	22.2	22.2
90°	30.7	30.2	29.7	29.4	28.7	27.4	26.1	24.8	23.5	21.4	19.3
92.5°	31.3	31.0	30.7	30.6	30.3	29.8	29.3	28.7	28.2	27.4	26.6
95°	51.1	51.4	51.7	51.8	51.1	49.8	48.5	47.2	45.9	44.1	42.3
97.5°	64.2	63.9	63.6	63.5	63.1	62.3	61.6	60.8	60.0	55.8	51.6
100°	77.8	77.3	76.8	76.5	75.5	73.4	71.3	69.2	67.1	62.7	58.2
102.5°	84.3	83.6	82.8	82.4	81.0	78.1	75.2	72.3	69.4	117.0	164.6
105°	87.3	86.3	85.2	84.7	83.3	80.4	77.5	74.7	71.8	143.2	214.6
107.5°	89.7	88.7	87.6	87.1	85.7	82.8	79.9	77.0	74.1	162.2	250.3
110°	90.9	89.8	88.7	88.2	101.3	127.4	153.6	179.7	205.9	281.5	357.1

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CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	92.5	91.8	91.0	90.6	146.9	259.6	372.3	485.0	597.7	602.1	606.6
115°	134.1	153.0	171.8	181.2	241.7	362.8	483.9	604.9	726.0	719.5	712.9
117.5°	450.0	518.5	587.0	621.3	640.0	677.4	714.7	752.1	789.5	785.1	780.6
120°	788.3	823.6	858.9	876.6	875.0	871.9	868.8	865.6	862.5	857.8	853.1
122.5°	939.6	939.3	939.0	938.9	938.1	936.6	935.0	933.5	931.9	926.7	921.5
125°	1004.4	1003.7	1002.9	1002.5	1001.6	999.7	997.9	996.0	994.2	989.2	984.3
127.5°	1064.3	1064.1	1063.8	1063.7	1062.4	1059.8	1057.1	1054.5	1051.9	1048.0	1044.1
130°	1119.5	1119.7	1120.0	1120.1	1118.7	1115.8	1112.9	1110.1	1107.2	1104.3	1101.5
132.5°	1172.4	1172.7	1173.0	1173.1	1171.9	1169.6	1167.2	1164.9	1162.5	1159.6	1156.8
135°	1223.6	1224.1	1224.6	1224.9	1223.6	1221.0	1218.3	1215.7	1213.1	1210.7	1208.4
137.5°	1271.2	1271.9	1272.7	1273.1	1271.8	1269.2	1266.5	1263.9	1261.3	1258.7	1256.1
140°	1315.7	1317.0	1318.3	1319.0	1317.8	1315.5	1313.1	1310.8	1308.4	1305.5	1302.7
142.5°	1358.1	1359.4	1360.7	1361.4	1360.3	1358.2	1356.1	1354.0	1351.9	1348.5	1345.1
145°	1396.9	1398.2	1399.5	1400.2	1399.3	1397.4	1395.6	1393.7	1391.9	1387.5	1383.0
147.5°	1431.7	1432.7	1433.8	1434.3	1433.6	1432.3	1431.0	1429.7	1428.4	1424.0	1419.5
150°	1464.0	1465.3	1466.6	1467.3	1466.5	1464.9	1463.4	1461.8	1460.2	1456.0	1451.8
152.5°	1492.1	1493.9	1495.8	1496.7	1495.9	1494.3	1492.8	1491.2	1489.6	1485.7	1481.8
155°	1517.3	1519.4	1521.5	1522.6	1521.8	1520.2	1518.7	1517.1	1515.5	1512.4	1509.2
157.5°	1540.9	1543.0	1545.1	1546.1	1545.2	1543.3	1541.5	1539.6	1537.8	1535.5	1533.1
160°	1560.3	1562.2	1564.0	1564.9	1564.1	1562.6	1561.0	1559.5	1557.9	1556.3	1554.7
162.5°	1577.8	1580.2	1582.5	1583.7	1582.8	1581.0	1579.1	1577.3	1575.5	1574.2	1572.9
165°	1593.3	1595.1	1597.0	1597.9	1597.0	1595.1	1593.3	1591.4	1589.6	1588.8	1588.0
167.5°	1604.9	1607.3	1609.6	1610.8	1609.9	1608.1	1606.2	1604.4	1602.6	1601.8	1601.0
170°	1614.3	1616.7	1619.0	1620.2	1619.3	1617.5	1615.6	1613.8	1612.0	1611.5	1610.9
172.5°	1621.4	1623.8	1626.1	1627.3	1626.4	1624.5	1622.7	1620.8	1619.0	1618.5	1618.0
175°	1625.4	1628.1	1630.7	1632.0	1631.1	1629.2	1627.4	1625.5	1623.7	1623.2	1622.7
177.5°	1627.3	1629.7	1632.0	1633.2	1632.3	1630.4	1628.6	1626.7	1624.9	1624.6	1624.4
180°	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1

TEST NUMBER: P1029163

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3
2.5°	1971.5	1964.1	1959.7	1962.7	1953.8	1931.6	1931.6	1939.0	1930.2	1921.3	1908.0
5°	2026.2	2011.4	2002.5	2001.1	1980.4	1944.9	1937.6	1930.2	1911.0	1890.3	1868.1
7.5°	2079.3	2052.7	2038.0	2027.6	1998.1	1952.3	1933.1	1916.9	1885.9	1854.9	1826.8
10°	2123.6	2085.2	2067.5	2051.3	2012.9	1955.3	1924.3	1894.7	1854.9	1815.0	1779.5
12.5°	2159.1	2114.8	2092.6	2069.0	2021.7	1946.4	1908.0	1860.8	1820.9	1767.7	1732.3
15°	2218.1	2126.6	2105.9	2083.8	2035.0	1931.6	1884.4	1831.2	1776.6	1705.7	1667.3
17.5°	2265.4	2142.8	2141.4	2094.1	2030.6	1925.7	1853.4	1784.0	1724.9	1654.0	1593.5
20°	2293.5	2167.9	2144.3	2095.6	2015.8	1885.9	1810.6	1733.8	1670.3	1584.6	1524.1
22.5°	2317.1	2203.4	2141.4	2082.3	1984.8	1872.6	1761.8	1689.5	1602.3	1509.3	1451.7
25°	2326.0	2210.8	2145.8	2077.9	1962.7	1834.2	1708.7	1630.4	1532.9	1448.7	1370.5
27.5°	2327.4	2209.3	2129.5	2058.7	1931.6	1784.0	1655.5	1572.8	1465.0	1367.5	1289.2
30°	2312.7	2193.0	2120.7	2043.9	1902.1	1738.2	1590.5	1498.9	1383.8	1286.3	1205.1
32.5°	2268.4	2160.6	2101.5	2017.3	1863.7	1674.7	1528.5	1426.6	1305.5	1209.5	1131.2
35°	2194.5	2120.7	2055.7	1977.4	1813.5	1615.6	1466.5	1346.8	1224.3	1132.7	1058.9
37.5°	2103.0	2063.1	2002.5	1925.7	1755.9	1562.5	1397.0	1264.1	1141.6	1053.0	980.6
40°	1978.9	1989.2	1930.2	1860.8	1688.0	1490.1	1307.0	1180.0	1064.8	982.1	911.2
42.5°	1844.5	1887.3	1853.4	1786.9	1612.7	1410.3	1240.5	1100.2	988.0	902.3	843.3
45°	1699.8	1773.6	1753.0	1704.2	1534.4	1326.2	1146.0	1010.1	911.2	828.5	776.8
47.5°	1541.8	1646.6	1646.6	1611.2	1447.3	1242.0	1064.8	926.0	828.5	769.4	719.2
50°	1380.8	1498.9	1518.1	1494.5	1349.8	1146.0	965.8	840.3	756.1	698.5	661.6
52.5°	1212.4	1349.8	1385.2	1373.4	1246.4	1054.4	884.6	762.0	685.2	635.0	602.5
55°	1051.5	1211.0	1249.4	1253.8	1135.7	954.0	794.5	686.7	612.9	578.9	550.8
57.5°	899.4	1053.0	1095.8	1103.2	1023.4	862.4	710.3	615.8	549.4	521.3	499.2
60°	769.4	897.9	954.0	970.3	900.8	756.1	632.1	540.5	490.3	463.7	443.0
62.5°	663.1	766.5	825.5	830.0	798.9	663.1	550.8	474.1	431.2	407.6	397.3
65°	559.7	652.7	688.2	705.9	680.8	574.5	475.5	412.0	378.1	357.4	347.0
67.5°	477.0	536.1	565.6	589.2	564.1	484.4	404.6	353.0	327.8	307.2	301.3
70°	391.4	440.1	462.2	485.9	463.7	403.2	345.6	298.3	276.2	259.9	252.5
72.5°	313.1	351.5	372.2	386.9	373.6	323.4	276.2	243.7	227.4	215.6	211.2
75°	248.1	274.7	286.5	296.8	290.9	252.5	223.0	196.4	181.6	171.3	168.4
77.5°	189.0	208.2	221.5	224.5	217.1	192.0	166.9	150.6	138.8	132.9	130.0
80°	134.4	146.2	153.6	158.0	150.6	140.3	122.6	110.8	100.4	93.0	91.6
82.5°	90.1	96.0	101.9	100.4	97.5	88.6	78.3	72.4	67.9	62.0	62.0
85°	51.7	53.2	56.1	57.6	56.1	50.2	44.3	41.4	38.4	34.0	34.0
87.5°	22.2	23.6	23.6	25.1	22.2	22.2	19.2	16.2	16.2	14.8	13.3
90°	17.2	15.1	14.1	12.7	9.8	6.9	4.1	1.2	4.1	6.9	9.8
92.5°	25.9	25.1	24.7	25.2	26.3	27.3	28.4	29.4	28.4	27.3	26.3
95°	40.4	38.6	37.7	42.0	50.6	59.3	67.9	76.5	67.9	59.3	50.6
97.5°	47.5	43.3	41.2	51.9	73.4	94.8	116.3	137.7	116.3	94.8	73.4
100°	53.8	49.3	47.1	65.0	100.8	136.7	172.5	208.3	172.5	136.7	100.8
102.5°	212.2	259.8	283.6	283.9	284.4	284.9	285.4	285.9	285.4	284.9	284.4
105°	285.9	357.3	393.0	389.1	381.2	373.4	365.5	357.7	365.5	373.4	381.2
107.5°	338.4	426.5	470.6	467.3	460.8	454.3	447.7	441.2	447.7	454.3	460.8
110°	432.6	508.2	546.0	543.2	537.7	532.2	526.7	521.2	526.7	532.2	537.7

TEST NUMBER: P1029163

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	611.0	615.5	617.7	615.3	610.6	605.9	601.2	596.5	601.2	605.9	610.6
115°	706.4	699.9	696.6	694.4	689.9	685.5	681.0	676.6	681.0	685.5	689.9
117.5°	776.2	771.7	769.5	766.9	761.7	756.4	751.2	746.0	751.2	756.4	761.7
120°	848.4	843.7	841.3	839.3	835.4	831.5	827.5	823.6	827.5	831.5	835.4
122.5°	916.2	911.0	908.4	906.3	902.1	897.9	893.7	889.5	893.7	897.9	902.1
125°	979.3	974.4	971.9	970.2	966.8	963.4	960.0	956.6	960.0	963.4	966.8
127.5°	1040.2	1036.3	1034.3	1032.5	1028.8	1025.1	1021.5	1017.8	1021.5	1025.1	1028.8
130°	1098.6	1095.7	1094.3	1092.2	1088.0	1083.8	1079.6	1075.4	1079.6	1083.8	1088.0
132.5°	1153.9	1151.0	1149.6	1147.9	1144.5	1141.1	1137.7	1134.3	1137.7	1141.1	1144.5
135°	1206.0	1203.7	1202.5	1200.4	1196.2	1192.1	1187.9	1183.7	1187.9	1192.1	1196.2
137.5°	1253.5	1250.9	1249.6	1248.0	1244.9	1241.8	1238.6	1235.5	1238.6	1241.8	1244.9
140°	1299.8	1296.9	1295.5	1294.5	1292.4	1290.3	1288.2	1286.1	1288.2	1290.3	1292.4
142.5°	1341.7	1338.3	1336.6	1335.7	1333.9	1332.0	1330.2	1328.4	1330.2	1332.0	1333.9
145°	1378.6	1374.1	1371.9	1372.0	1372.3	1372.6	1372.8	1373.1	1372.8	1372.6	1372.3
147.5°	1415.1	1410.6	1408.4	1408.8	1409.6	1410.3	1411.1	1411.9	1411.1	1410.3	1409.6
150°	1447.7	1443.5	1441.4	1442.3	1444.1	1446.0	1447.8	1449.6	1447.8	1446.0	1444.1
152.5°	1477.9	1474.0	1472.0	1473.0	1475.1	1477.2	1479.3	1481.4	1479.3	1477.2	1475.1
155°	1506.1	1503.0	1501.4	1502.6	1504.9	1507.3	1509.6	1512.0	1509.6	1507.3	1504.9
157.5°	1530.8	1528.5	1527.3	1528.3	1530.4	1532.5	1534.6	1536.7	1534.6	1532.5	1530.4
160°	1553.2	1551.6	1550.8	1551.6	1553.2	1554.7	1556.3	1557.9	1556.3	1554.7	1553.2
162.5°	1571.6	1570.3	1569.6	1570.4	1572.0	1573.5	1575.1	1576.7	1575.1	1573.5	1572.0
165°	1587.3	1586.5	1586.1	1586.9	1588.4	1590.0	1591.5	1593.1	1591.5	1590.0	1588.4
167.5°	1600.2	1599.4	1599.0	1599.8	1601.4	1602.9	1604.5	1606.1	1604.5	1602.9	1601.4
170°	1610.4	1609.9	1609.6	1610.4	1612.0	1613.5	1615.1	1616.7	1615.1	1613.5	1612.0
172.5°	1617.5	1617.0	1616.7	1617.5	1619.0	1620.6	1622.1	1623.7	1622.1	1620.6	1619.0
175°	1622.2	1621.7	1621.4	1622.3	1624.1	1626.0	1627.8	1629.6	1627.8	1626.0	1624.1
177.5°	1624.1	1623.8	1623.7	1624.6	1626.5	1628.3	1630.2	1632.0	1630.2	1628.3	1626.5
180°	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1

TEST NUMBER: P1029163

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3
2.5°	1900.6	1908.0	1906.5	1891.8	1875.5	1862.2	1837.1	1840.1	1831.2	1832.7	1841.6
5°	1853.4	1853.4	1847.5	1826.8	1800.2	1785.4	1757.4	1750.0	1732.3	1730.8	1729.3
7.5°	1803.2	1795.8	1788.4	1758.9	1726.4	1702.7	1664.3	1655.5	1637.8	1626.0	1620.0
10°	1744.1	1733.8	1719.0	1685.0	1645.2	1615.6	1575.7	1563.9	1530.0	1515.2	1506.3
12.5°	1679.1	1673.2	1649.6	1621.5	1556.5	1524.1	1466.5	1478.3	1444.3	1414.8	1410.3
15°	1614.1	1592.0	1578.7	1532.9	1454.6	1439.9	1394.1	1370.5	1339.5	1315.8	1315.8
17.5°	1550.6	1516.7	1487.1	1438.4	1380.8	1339.5	1305.5	1293.7	1255.3	1231.6	1227.2
20°	1466.5	1428.1	1420.7	1351.3	1311.4	1265.6	1233.1	1203.6	1175.5	1165.2	1157.8
22.5°	1386.7	1342.4	1330.6	1271.5	1231.6	1185.9	1153.4	1132.7	1112.0	1104.6	1091.4
25°	1301.1	1274.5	1256.8	1193.3	1148.9	1106.1	1084.0	1069.2	1050.0	1048.5	1039.7
27.5°	1218.4	1193.3	1175.5	1115.0	1082.5	1042.6	1024.9	1008.7	998.3	993.9	989.5
30°	1147.5	1119.4	1098.7	1054.4	1014.6	982.1	967.3	957.0	951.1	943.7	942.2
32.5°	1069.2	1053.0	1024.9	990.9	959.9	928.9	920.0	912.7	903.8	900.8	899.4
35°	1002.7	980.6	962.9	924.5	911.2	884.6	874.3	868.4	856.5	853.6	850.6
37.5°	937.8	917.1	897.9	874.3	849.2	834.4	828.5	819.6	813.7	815.2	812.2
40°	872.8	856.5	841.8	816.7	801.9	794.5	782.7	773.8	770.9	772.4	770.9
42.5°	809.3	794.5	785.7	766.5	751.7	744.3	736.9	728.1	732.5	732.5	736.9
45°	751.7	738.4	732.5	717.7	708.9	697.0	689.7	688.2	694.1	692.6	692.6
47.5°	692.6	688.2	680.8	667.5	655.7	648.3	646.8	646.8	652.7	655.7	654.2
50°	646.8	638.0	629.1	618.8	609.9	607.0	602.5	605.5	611.4	611.4	614.3
52.5°	589.2	583.3	580.4	571.5	565.6	565.6	565.6	567.1	571.5	576.0	574.5
55°	539.0	534.6	531.6	527.2	519.8	521.3	519.8	522.8	527.2	531.6	534.6
57.5°	485.9	484.4	481.4	474.1	474.1	472.6	477.0	478.5	485.9	488.8	493.3
60°	438.6	434.2	434.2	428.3	428.3	428.3	432.7	437.1	443.0	444.5	447.5
62.5°	388.4	388.4	386.9	382.5	382.5	386.9	388.4	394.3	397.3	397.3	401.7
65°	341.1	339.7	338.2	339.7	341.1	341.1	345.6	348.5	351.5	353.0	354.4
67.5°	293.9	292.4	295.4	293.9	296.8	302.7	301.3	305.7	310.1	310.1	311.6
70°	249.6	252.5	251.1	254.0	252.5	255.5	259.9	261.4	261.4	262.9	267.3
72.5°	208.2	208.2	208.2	206.8	208.2	211.2	214.1	215.6	218.6	220.0	224.5
75°	168.4	168.4	165.4	168.4	168.4	171.3	174.3	174.3	174.3	177.2	181.6
77.5°	127.0	128.5	127.0	130.0	130.0	131.4	134.4	132.9	135.9	137.3	138.8
80°	93.0	91.6	91.6	91.6	93.0	93.0	96.0	97.5	97.5	101.9	98.9
82.5°	59.1	60.5	59.1	60.5	60.5	62.0	60.5	62.0	63.5	66.5	65.0
85°	34.0	32.5	32.5	34.0	32.5	32.5	34.0	32.5	34.0	32.5	34.0
87.5°	13.3	11.8	11.8	11.8	11.8	10.3	10.3	8.9	8.9	8.9	7.4
90°	12.7	14.1	15.1	17.2	19.3	21.4	23.5	24.8	26.1	27.4	28.7
92.5°	25.2	24.7	25.1	25.9	26.6	27.4	28.2	28.7	29.3	29.8	30.3
95°	42.0	37.7	38.6	40.4	42.3	44.1	45.9	47.2	48.5	49.8	51.1
97.5°	51.9	41.2	43.3	47.5	51.6	55.8	60.0	60.8	61.6	62.3	63.1
100°	65.0	47.1	49.3	53.8	58.2	62.7	67.1	69.2	71.3	73.4	75.5
102.5°	283.9	283.6	259.8	212.2	164.6	117.0	69.4	72.3	75.2	78.1	81.0
105°	389.1	393.0	357.3	285.9	214.6	143.2	71.8	74.7	77.5	80.4	83.3
107.5°	467.3	470.6	426.5	338.4	250.3	162.2	74.1	77.0	79.9	82.8	85.7
110°	543.2	546.0	508.2	432.6	357.1	281.5	205.9	179.7	153.6	127.4	101.3

TEST NUMBER: P1029163

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	615.3	617.7	615.5	611.0	606.6	602.1	597.7	485.0	372.3	259.6	146.9
115°	694.4	696.6	699.9	706.4	712.9	719.5	726.0	604.9	483.9	362.8	241.7
117.5°	766.9	769.5	771.7	776.2	780.6	785.1	789.5	752.1	714.7	677.4	640.0
120°	839.3	841.3	843.7	848.4	853.1	857.8	862.5	865.6	868.8	871.9	875.0
122.5°	906.3	908.4	911.0	916.2	921.5	926.7	931.9	933.5	935.0	936.6	938.1
125°	970.2	971.9	974.4	979.3	984.3	989.2	994.2	996.0	997.9	999.7	1001.6
127.5°	1032.5	1034.3	1036.3	1040.2	1044.1	1048.0	1051.9	1054.5	1057.1	1059.8	1062.4
130°	1092.2	1094.3	1095.7	1098.6	1101.5	1104.3	1107.2	1110.1	1112.9	1115.8	1118.7
132.5°	1147.9	1149.6	1151.0	1153.9	1156.8	1159.6	1162.5	1164.9	1167.2	1169.6	1171.9
135°	1200.4	1202.5	1203.7	1206.0	1208.4	1210.7	1213.1	1215.7	1218.3	1221.0	1223.6
137.5°	1248.0	1249.6	1250.9	1253.5	1256.1	1258.7	1261.3	1263.9	1266.5	1269.2	1271.8
140°	1294.5	1295.5	1296.9	1299.8	1302.7	1305.5	1308.4	1310.8	1313.1	1315.5	1317.8
142.5°	1335.7	1336.6	1338.3	1341.7	1345.1	1348.5	1351.9	1354.0	1356.1	1358.2	1360.3
145°	1372.0	1371.9	1374.1	1378.6	1383.0	1387.5	1391.9	1393.7	1395.6	1397.4	1399.3
147.5°	1408.8	1408.4	1410.6	1415.1	1419.5	1424.0	1428.4	1429.7	1431.0	1432.3	1433.6
150°	1442.3	1441.4	1443.5	1447.7	1451.8	1456.0	1460.2	1461.8	1463.4	1464.9	1466.5
152.5°	1473.0	1472.0	1474.0	1477.9	1481.8	1485.7	1489.6	1491.2	1492.8	1494.3	1495.9
155°	1502.6	1501.4	1503.0	1506.1	1509.2	1512.4	1515.5	1517.1	1518.7	1520.2	1521.8
157.5°	1528.3	1527.3	1528.5	1530.8	1533.1	1535.5	1537.8	1539.6	1541.5	1543.3	1545.2
160°	1551.6	1550.8	1551.6	1553.2	1554.7	1556.3	1557.9	1559.5	1561.0	1562.6	1564.1
162.5°	1570.4	1569.6	1570.3	1571.6	1572.9	1574.2	1575.5	1577.3	1579.1	1581.0	1582.8
165°	1586.9	1586.1	1586.5	1587.3	1588.0	1588.8	1589.6	1591.4	1593.3	1595.1	1597.0
167.5°	1599.8	1599.0	1599.4	1600.2	1601.0	1601.8	1602.6	1604.4	1606.2	1608.1	1609.9
170°	1610.4	1609.6	1609.9	1610.4	1610.9	1611.5	1612.0	1613.8	1615.6	1617.5	1619.3
172.5°	1617.5	1616.7	1617.0	1617.5	1618.0	1618.5	1619.0	1620.8	1622.7	1624.5	1626.4
175°	1622.3	1621.4	1621.7	1622.2	1622.7	1623.2	1623.7	1625.5	1627.4	1629.2	1631.1
177.5°	1624.6	1623.7	1623.8	1624.1	1624.4	1624.6	1624.9	1626.7	1628.6	1630.4	1632.3
180°	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1

TEST NUMBER: P1029163

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3
2.5°	1831.2	1835.7	1825.3	1822.4	1825.3	1815.0	1817.9	1820.9	1820.9	1825.3	1828.3
5°	1724.9	1719.0	1708.7	1705.7	1702.7	1707.2	1704.2	1708.7	1710.1	1720.5	1721.9
7.5°	1620.0	1611.2	1602.3	1593.5	1590.5	1583.1	1590.5	1590.5	1600.8	1597.9	1605.3
10°	1496.0	1494.5	1482.7	1478.3	1472.4	1460.6	1476.8	1472.4	1479.8	1493.0	1496.0
12.5°	1404.4	1388.2	1395.6	1374.9	1382.3	1370.5	1371.9	1371.9	1383.8	1385.2	1382.3
15°	1317.3	1304.0	1284.8	1276.0	1271.5	1265.6	1284.8	1286.3	1277.4	1298.1	1290.7
17.5°	1228.7	1228.7	1211.0	1206.5	1194.7	1200.6	1197.7	1199.2	1196.2	1211.0	1218.4
20°	1151.9	1144.5	1138.6	1140.1	1125.3	1122.4	1119.4	1122.4	1132.7	1143.0	1146.0
22.5°	1089.9	1085.4	1070.7	1073.6	1061.8	1066.2	1063.3	1070.7	1072.2	1072.2	1082.5
25°	1030.8	1024.9	1026.4	1020.5	1016.0	1016.0	1011.6	1016.0	1021.9	1024.9	1026.4
27.5°	986.5	982.1	974.7	970.3	973.2	965.8	971.7	976.2	976.2	973.2	976.2
30°	933.3	936.3	936.3	921.5	927.4	924.5	928.9	931.9	931.9	933.3	930.4
32.5°	897.9	889.0	887.6	886.1	886.1	880.2	880.2	884.6	886.1	887.6	892.0
35°	850.6	850.6	843.3	847.7	841.8	843.3	841.8	843.3	846.2	841.8	846.2
37.5°	807.8	809.3	806.3	809.3	810.8	807.8	804.9	810.8	807.8	807.8	804.9
40°	770.9	769.4	770.9	770.9	770.9	772.4	769.4	769.4	769.4	766.5	763.5
42.5°	739.9	731.0	734.0	735.4	731.0	731.0	732.5	731.0	735.4	726.6	726.6
45°	695.6	692.6	694.1	694.1	697.0	692.6	695.6	697.0	692.6	691.1	688.2
47.5°	655.7	658.7	655.7	658.7	658.7	661.6	655.7	657.2	658.7	652.7	648.3
50°	615.8	615.8	620.3	618.8	620.3	617.3	617.3	615.8	617.3	614.3	609.9
52.5°	578.9	574.5	581.9	580.4	578.9	577.4	576.0	577.4	574.5	571.5	571.5
55°	533.1	533.1	537.6	539.0	539.0	536.1	533.1	534.6	533.1	531.6	530.2
57.5°	496.2	490.3	493.3	494.7	494.7	490.3	493.3	490.3	490.3	491.8	487.3
60°	448.9	448.9	446.0	450.4	450.4	447.5	447.5	448.9	446.0	444.5	443.0
62.5°	398.7	400.2	404.6	406.1	407.6	404.6	401.7	403.2	403.2	398.7	400.2
65°	355.9	358.9	364.8	363.3	360.3	361.8	358.9	360.3	355.9	357.4	353.0
67.5°	314.6	313.1	314.6	314.6	317.5	316.0	313.1	313.1	311.6	316.0	311.6
70°	270.3	270.3	270.3	270.3	271.7	273.2	270.3	267.3	268.8	265.8	264.3
72.5°	224.5	225.9	224.5	227.4	223.0	225.9	225.9	224.5	223.0	223.0	223.0
75°	181.6	184.6	180.2	181.6	180.2	183.1	181.6	181.6	178.7	177.2	178.7
77.5°	138.8	140.3	137.3	138.8	137.3	138.8	138.8	137.3	137.3	137.3	137.3
80°	98.9	100.4	98.9	97.5	96.0	98.9	96.0	97.5	98.9	97.5	100.4
82.5°	63.5	63.5	62.0	63.5	60.5	60.5	62.0	62.0	60.5	63.5	60.5
85°	31.0	31.0	34.0	31.0	29.5	29.5	29.5	31.0	29.5	32.5	31.0
87.5°	7.4	5.9	7.4	7.4	5.9	5.9	7.4	5.9	7.4	8.9	5.9
90°	29.4	29.7	30.2	30.7	31.3	31.8	31.3	30.7	30.2	29.7	29.4
92.5°	30.6	30.7	31.0	31.3	31.5	31.8	31.5	31.3	31.0	30.7	30.6
95°	51.8	51.7	51.4	51.1	50.9	50.6	50.9	51.1	51.4	51.7	51.8
97.5°	63.5	63.6	63.9	64.2	64.4	64.7	64.4	64.2	63.9	63.6	63.5
100°	76.5	76.8	77.3	77.8	78.3	78.8	78.3	77.8	77.3	76.8	76.5
102.5°	82.4	82.8	83.6	84.3	85.1	85.9	85.1	84.3	83.6	82.8	82.4
105°	84.7	85.2	86.3	87.3	88.4	89.4	88.4	87.3	86.3	85.2	84.7
107.5°	87.1	87.6	88.7	89.7	90.8	91.8	90.8	89.7	88.7	87.6	87.1
110°	88.2	88.7	89.8	90.9	91.9	93.0	91.9	90.9	89.8	88.7	88.2

TEST NUMBER: P1029163

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	90.6	91.0	91.8	92.5	93.3	94.1	93.3	92.5	91.8	91.0	90.6
115°	181.2	171.8	153.0	134.1	115.3	96.5	115.3	134.1	153.0	171.8	181.2
117.5°	621.3	587.0	518.5	450.0	381.5	313.0	381.5	450.0	518.5	587.0	621.3
120°	876.6	858.9	823.6	788.3	753.0	717.7	753.0	788.3	823.6	858.9	876.6
122.5°	938.9	939.0	939.3	939.6	939.8	940.1	939.8	939.6	939.3	939.0	938.9
125°	1002.5	1002.9	1003.7	1004.4	1005.2	1006.0	1005.2	1004.4	1003.7	1002.9	1002.5
127.5°	1063.7	1063.8	1064.1	1064.3	1064.6	1064.8	1064.6	1064.3	1064.1	1063.8	1063.7
130°	1120.1	1120.0	1119.7	1119.5	1119.2	1119.0	1119.2	1119.5	1119.7	1120.0	1120.1
132.5°	1173.1	1173.0	1172.7	1172.4	1172.2	1171.9	1172.2	1172.4	1172.7	1173.0	1173.1
135°	1224.9	1224.6	1224.1	1223.6	1223.0	1222.5	1223.0	1223.6	1224.1	1224.6	1224.9
137.5°	1273.1	1272.7	1271.9	1271.2	1270.4	1269.6	1270.4	1271.2	1271.9	1272.7	1273.1
140°	1319.0	1318.3	1317.0	1315.7	1314.4	1313.1	1314.4	1315.7	1317.0	1318.3	1319.0
142.5°	1361.4	1360.7	1359.4	1358.1	1356.8	1355.5	1356.8	1358.1	1359.4	1360.7	1361.4
145°	1400.2	1399.5	1398.2	1396.9	1395.6	1394.3	1395.6	1396.9	1398.2	1399.5	1400.2
147.5°	1434.3	1433.8	1432.7	1431.7	1430.6	1429.6	1430.6	1431.7	1432.7	1433.8	1434.3
150°	1467.3	1466.6	1465.3	1464.0	1462.7	1461.4	1462.7	1464.0	1465.3	1466.6	1467.3
152.5°	1496.7	1495.8	1493.9	1492.1	1490.2	1488.4	1490.2	1492.1	1493.9	1495.8	1496.7
155°	1522.6	1521.5	1519.4	1517.3	1515.2	1513.1	1515.2	1517.3	1519.4	1521.5	1522.6
157.5°	1546.1	1545.1	1543.0	1540.9	1538.8	1536.7	1538.8	1540.9	1543.0	1545.1	1546.1
160°	1564.9	1564.0	1562.2	1560.3	1558.5	1556.7	1558.5	1560.3	1562.2	1564.0	1564.9
162.5°	1583.7	1582.5	1580.2	1577.8	1575.5	1573.1	1575.5	1577.8	1580.2	1582.5	1583.7
165°	1597.9	1597.0	1595.1	1593.3	1591.4	1589.6	1591.4	1593.3	1595.1	1597.0	1597.9
167.5°	1610.8	1609.6	1607.3	1604.9	1602.6	1600.2	1602.6	1604.9	1607.3	1609.6	1610.8
170°	1620.2	1619.0	1616.7	1614.3	1612.0	1609.6	1612.0	1614.3	1616.7	1619.0	1620.2
172.5°	1627.3	1626.1	1623.8	1621.4	1619.1	1616.7	1619.1	1621.4	1623.8	1626.1	1627.3
175°	1632.0	1630.7	1628.1	1625.4	1622.8	1620.2	1622.8	1625.4	1628.1	1630.7	1632.0
177.5°	1633.2	1632.0	1629.7	1627.3	1625.0	1622.6	1625.0	1627.3	1629.7	1632.0	1633.2
180°	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1

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CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3
2.5°	1823.8	1835.7	1831.2	1815.0	1834.2	1834.2	1847.5	1847.5	1863.7	1869.6	1878.5
5°	1720.5	1729.3	1736.7	1729.3	1742.6	1763.3	1775.1	1785.4	1807.6	1816.5	1829.8
7.5°	1609.7	1626.0	1633.3	1633.3	1655.5	1679.1	1702.7	1717.5	1748.5	1760.3	1773.6
10°	1501.9	1521.1	1535.9	1534.4	1571.3	1586.1	1615.6	1649.6	1680.6	1698.3	1717.5
12.5°	1388.2	1398.5	1419.2	1448.7	1457.6	1484.2	1518.1	1561.0	1617.1	1633.3	1661.4
15°	1293.7	1321.7	1338.0	1351.3	1371.9	1397.0	1434.0	1475.3	1531.4	1566.9	1596.4
17.5°	1213.9	1250.8	1261.2	1258.2	1284.8	1323.2	1366.0	1397.0	1447.3	1490.1	1518.1
20°	1148.9	1163.7	1181.4	1188.8	1209.5	1250.8	1292.2	1327.6	1369.0	1403.0	1435.4
22.5°	1084.0	1095.8	1110.6	1123.8	1140.1	1163.7	1203.6	1247.9	1287.8	1320.3	1357.2
25°	1030.8	1038.2	1051.5	1061.8	1079.5	1095.8	1123.8	1172.6	1219.8	1239.0	1271.5
27.5°	979.1	985.0	993.9	1005.7	1014.6	1030.8	1055.9	1095.8	1144.5	1163.7	1208.0
30°	933.3	937.8	946.6	952.5	957.0	976.2	995.4	1026.4	1063.3	1089.9	1122.4
32.5°	890.5	894.9	903.8	905.3	911.2	921.5	939.2	967.3	999.8	1021.9	1050.0
35°	843.3	846.2	855.1	858.0	862.4	871.3	884.6	905.3	934.8	951.1	976.2
37.5°	806.3	804.9	810.8	815.2	821.1	825.5	830.0	850.6	872.8	887.6	906.8
40°	766.5	763.5	765.0	770.9	773.8	779.7	779.7	800.4	815.2	827.0	841.8
42.5°	726.6	725.1	722.2	725.1	728.1	729.5	731.0	745.8	760.6	770.9	787.1
45°	686.7	685.2	682.3	683.8	683.8	686.7	691.1	697.0	707.4	716.2	725.1
47.5°	649.8	646.8	642.4	640.9	643.9	643.9	643.9	649.8	660.1	663.1	671.9
50°	611.4	607.0	601.1	598.1	598.1	596.6	599.6	601.1	609.9	612.9	620.3
52.5°	570.0	567.1	561.2	555.3	556.8	553.8	555.3	556.8	559.7	564.1	568.6
55°	528.7	522.8	518.4	516.9	512.4	512.4	508.0	513.9	512.4	513.9	519.8
57.5°	488.8	482.9	475.5	472.6	468.1	466.7	463.7	462.2	463.7	468.1	472.6
60°	441.6	438.6	434.2	429.7	426.8	422.4	419.4	419.4	417.9	417.9	419.4
62.5°	395.8	394.3	388.4	386.9	384.0	381.0	376.6	373.6	373.6	376.6	378.1
65°	351.5	350.0	345.6	344.1	336.7	333.8	332.3	330.8	327.8	327.8	327.8
67.5°	310.1	305.7	305.7	298.3	292.4	289.5	286.5	285.0	285.0	285.0	286.5
70°	264.3	264.3	259.9	255.5	249.6	251.1	246.6	242.2	242.2	239.2	240.7
72.5°	220.0	218.6	214.1	212.7	208.2	203.8	200.8	203.8	199.4	197.9	199.4
75°	177.2	175.7	172.8	169.8	171.3	166.9	162.4	161.0	161.0	158.0	158.0
77.5°	135.9	138.8	132.9	131.4	128.5	125.5	124.1	122.6	122.6	122.6	125.5
80°	94.5	96.0	96.0	93.0	94.5	90.1	90.1	90.1	85.7	87.1	88.6
82.5°	60.5	60.5	59.1	60.5	59.1	59.1	57.6	57.6	56.1	56.1	57.6
85°	34.0	32.5	31.0	34.0	32.5	32.5	31.0	31.0	31.0	31.0	31.0
87.5°	7.4	8.9	8.9	8.9	8.9	10.3	10.3	10.3	11.8	11.8	11.8
90°	28.7	27.4	26.1	24.8	23.5	21.4	19.3	17.2	15.1	14.1	12.7
92.5°	30.3	29.8	29.3	28.7	28.2	27.4	26.6	25.9	25.1	24.7	25.2
95°	51.1	49.8	48.5	47.2	45.9	44.1	42.3	40.4	38.6	37.7	42.0
97.5°	63.1	62.3	61.6	60.8	60.0	55.8	51.6	47.5	43.3	41.2	51.9
100°	75.5	73.4	71.3	69.2	67.1	62.7	58.2	53.8	49.3	47.1	65.0
102.5°	81.0	78.1	75.2	72.3	69.4	117.0	164.6	212.2	259.8	283.6	283.9
105°	83.3	80.4	77.5	74.7	71.8	143.2	214.6	285.9	357.3	393.0	389.1
107.5°	85.7	82.8	79.9	77.0	74.1	162.2	250.3	338.4	426.5	470.6	467.3
110°	101.3	127.4	153.6	179.7	205.9	281.5	357.1	432.6	508.2	546.0	543.2

TEST NUMBER: P1029163

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	146.9	259.6	372.3	485.0	597.7	602.1	606.6	611.0	615.5	617.7	615.3
115°	241.7	362.8	483.9	604.9	726.0	719.5	712.9	706.4	699.9	696.6	694.4
117.5°	640.0	677.4	714.7	752.1	789.5	785.1	780.6	776.2	771.7	769.5	766.9
120°	875.0	871.9	868.8	865.6	862.5	857.8	853.1	848.4	843.7	841.3	839.3
122.5°	938.1	936.6	935.0	933.5	931.9	926.7	921.5	916.2	911.0	908.4	906.3
125°	1001.6	999.7	997.9	996.0	994.2	989.2	984.3	979.3	974.4	971.9	970.2
127.5°	1062.4	1059.8	1057.1	1054.5	1051.9	1048.0	1044.1	1040.2	1036.3	1034.3	1032.5
130°	1118.7	1115.8	1112.9	1110.1	1107.2	1104.3	1101.5	1098.6	1095.7	1094.3	1092.2
132.5°	1171.9	1169.6	1167.2	1164.9	1162.5	1159.6	1156.8	1153.9	1151.0	1149.6	1147.9
135°	1223.6	1221.0	1218.3	1215.7	1213.1	1210.7	1208.4	1206.0	1203.7	1202.5	1200.4
137.5°	1271.8	1269.2	1266.5	1263.9	1261.3	1258.7	1256.1	1253.5	1250.9	1249.6	1248.0
140°	1317.8	1315.5	1313.1	1310.8	1308.4	1305.5	1302.7	1299.8	1296.9	1295.5	1294.5
142.5°	1360.3	1358.2	1356.1	1354.0	1351.9	1348.5	1345.1	1341.7	1338.3	1336.6	1335.7
145°	1399.3	1397.4	1395.6	1393.7	1391.9	1387.5	1383.0	1378.6	1374.1	1371.9	1372.0
147.5°	1433.6	1432.3	1431.0	1429.7	1428.4	1424.0	1419.5	1415.1	1410.6	1408.4	1408.8
150°	1466.5	1464.9	1463.4	1461.8	1460.2	1456.0	1451.8	1447.7	1443.5	1441.4	1442.3
152.5°	1495.9	1494.3	1492.8	1491.2	1489.6	1485.7	1481.8	1477.9	1474.0	1472.0	1473.0
155°	1521.8	1520.2	1518.7	1517.1	1515.5	1512.4	1509.2	1506.1	1503.0	1501.4	1502.6
157.5°	1545.2	1543.3	1541.5	1539.6	1537.8	1535.5	1533.1	1530.8	1528.5	1527.3	1528.3
160°	1564.1	1562.6	1561.0	1559.5	1557.9	1556.3	1554.7	1553.2	1551.6	1550.8	1551.6
162.5°	1582.8	1581.0	1579.1	1577.3	1575.5	1574.2	1572.9	1571.6	1570.3	1569.6	1570.4
165°	1597.0	1595.1	1593.3	1591.4	1589.6	1588.8	1588.0	1587.3	1586.5	1586.1	1586.9
167.5°	1609.9	1608.1	1606.2	1604.4	1602.6	1601.8	1601.0	1600.2	1599.4	1599.0	1599.8
170°	1619.3	1617.5	1615.6	1613.8	1612.0	1611.5	1610.9	1610.4	1609.9	1609.6	1610.4
172.5°	1626.4	1624.5	1622.7	1620.8	1619.0	1618.5	1618.0	1617.5	1617.0	1616.7	1617.5
175°	1631.1	1629.2	1627.4	1625.5	1623.7	1623.2	1622.7	1622.2	1621.7	1621.4	1622.3
177.5°	1632.3	1630.4	1628.6	1626.7	1624.9	1624.6	1624.4	1624.1	1623.8	1623.7	1624.6
180°	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1	1626.1

TEST NUMBER: P1029163

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1921.3	1921.3	1921.3	1921.3
2.5°	1885.9	1885.9	1908.0	1931.6
5°	1844.5	1854.9	1890.3	1922.8
7.5°	1804.6	1822.4	1866.7	1908.0
10°	1755.9	1779.5	1834.2	1882.9
12.5°	1708.7	1730.8	1794.3	1848.9
15°	1642.2	1670.3	1738.2	1806.1
17.5°	1575.7	1603.8	1686.5	1766.2
20°	1497.5	1534.4	1627.4	1733.8
22.5°	1425.1	1470.9	1574.3	1659.9
25°	1345.4	1416.2	1512.2	1623.0
27.5°	1274.5	1345.4	1442.8	1555.1
30°	1194.7	1267.1	1367.5	1470.9
32.5°	1117.9	1184.4	1281.9	1408.9
35°	1038.2	1101.7	1196.2	1324.7
37.5°	965.8	1027.9	1131.2	1249.4
40°	894.9	959.9	1048.5	1166.7
42.5°	828.5	886.1	965.8	1084.0
45°	767.9	809.3	883.1	993.9
47.5°	704.4	741.4	809.3	920.0
50°	645.4	676.4	735.4	838.8
52.5°	587.8	614.3	669.0	751.7
55°	536.1	561.2	601.1	682.3
57.5°	482.9	502.1	540.5	605.5
60°	431.2	448.9	480.0	533.1
62.5°	379.5	394.3	423.8	466.7
65°	333.8	345.6	367.7	404.6
67.5°	289.5	296.8	314.6	344.1
70°	246.6	252.5	267.3	290.9
72.5°	200.8	206.8	223.0	239.2
75°	162.4	163.9	175.7	189.0
77.5°	127.0	125.5	134.4	144.7
80°	87.1	91.6	98.9	103.4
82.5°	59.1	60.5	63.5	66.5
85°	32.5	34.0	34.0	38.4
87.5°	13.3	14.8	14.8	16.2
90°	9.8	6.9	4.1	1.2
92.5°	26.3	27.3	28.4	29.4
95°	50.6	59.3	67.9	76.5
97.5°	73.4	94.8	116.3	137.7
100°	100.8	136.7	172.5	208.3
102.5°	284.4	284.9	285.4	285.9
105°	381.2	373.4	365.5	357.7
107.5°	460.8	454.3	447.7	441.2
110°	537.7	532.2	526.7	521.2

TEST NUMBER: P1029163

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	610.6	605.9	601.2	596.5
115°	689.9	685.5	681.0	676.6
117.5°	761.7	756.4	751.2	746.0
120°	835.4	831.5	827.5	823.6
122.5°	902.1	897.9	893.7	889.5
125°	966.8	963.4	960.0	956.6
127.5°	1028.8	1025.1	1021.5	1017.8
130°	1088.0	1083.8	1079.6	1075.4
132.5°	1144.5	1141.1	1137.7	1134.3
135°	1196.2	1192.1	1187.9	1183.7
137.5°	1244.9	1241.8	1238.6	1235.5
140°	1292.4	1290.3	1288.2	1286.1
142.5°	1333.9	1332.0	1330.2	1328.4
145°	1372.3	1372.6	1372.8	1373.1
147.5°	1409.6	1410.3	1411.1	1411.9
150°	1444.1	1446.0	1447.8	1449.6
152.5°	1475.1	1477.2	1479.3	1481.4
155°	1504.9	1507.3	1509.6	1512.0
157.5°	1530.4	1532.5	1534.6	1536.7
160°	1553.2	1554.7	1556.3	1557.9
162.5°	1572.0	1573.5	1575.1	1576.7
165°	1588.4	1590.0	1591.5	1593.1
167.5°	1601.4	1602.9	1604.5	1606.1
170°	1612.0	1613.5	1615.1	1616.7
172.5°	1619.0	1620.6	1622.1	1623.7
175°	1624.1	1626.0	1627.8	1629.6
177.5°	1626.5	1628.3	1630.2	1632.0
180°	1626.1	1626.1	1626.1	1626.1

(END OF REPORT)