

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: P1032496

Luminaire Tested: S124DIW-B1020D1560UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1032496
REPORT IS A COMBINATION OF REPORTS P996763 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124DIW-B1020D1560UB2750-4F0-XX-W2A-A_3000K
Description: Define 4 Direct/Indirect Wall Mount with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

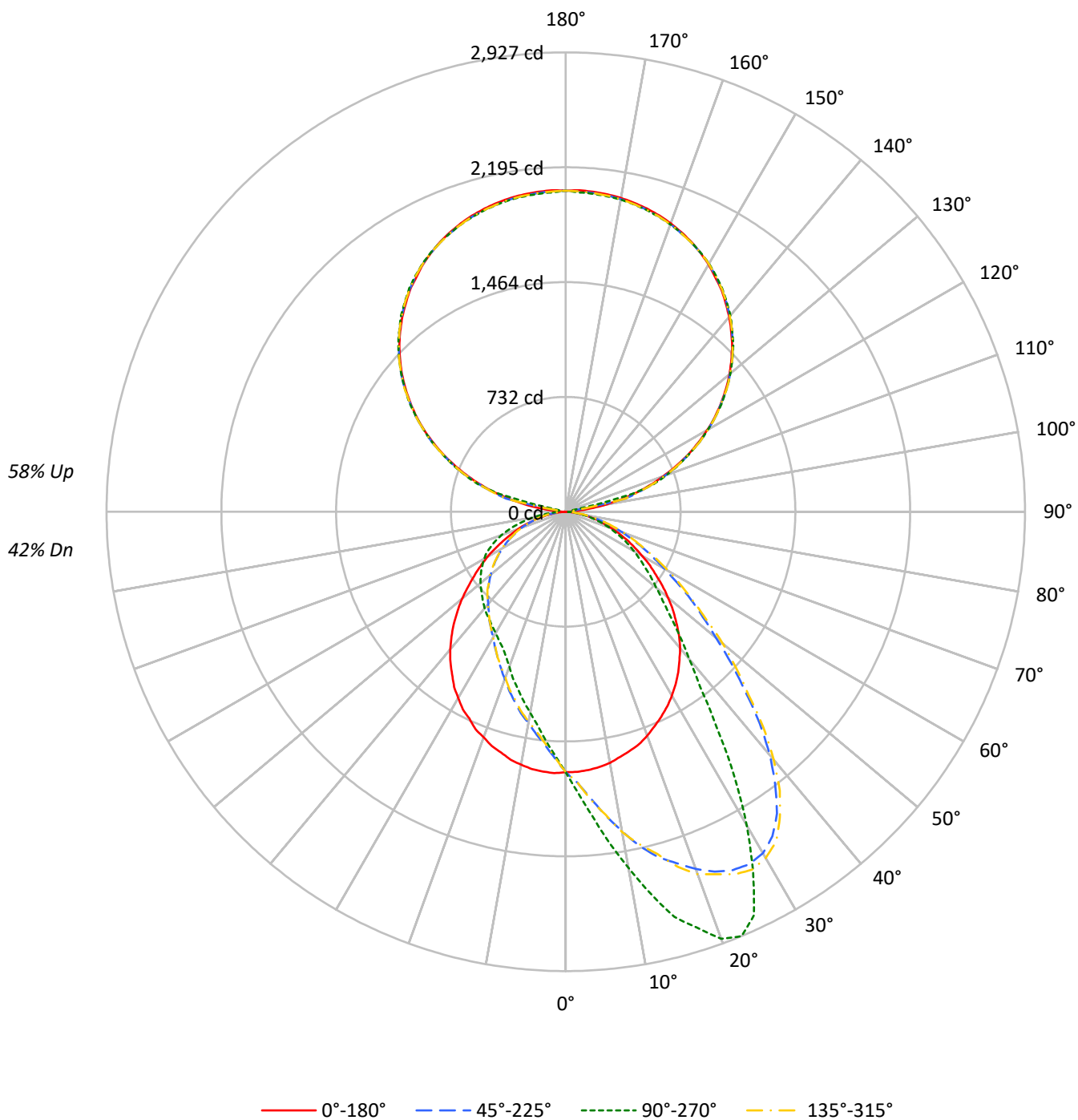
Lumens per Lamp: N/A
Luminaire Lumens: 10912.0 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 99
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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41
2	88	81	75	70	80	74	69	64	61	57	54	49	47	44	38	37	35
3	80	71	64	58	73	65	59	54	54	49	46	44	41	38	34	32	30
4	73	63	55	49	67	58	51	46	48	43	39	39	35	33	31	28	26
5	67	56	48	42	61	52	45	39	43	38	34	35	31	28	28	25	23
6	62	50	42	37	56	46	39	34	39	33	29	32	28	25	25	22	20
7	57	45	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18
8	53	41	34	28	49	38	31	27	32	27	23	26	22	20	21	18	16
9	50	38	30	25	45	35	28	24	29	24	21	24	20	18	20	17	15
10	46	34	27	23	42	32	26	21	27	22	19	22	19	16	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13526	13526	13526	13526
5°	13492	15517	13570	11660
10°	13391	18104	13493	10229
15°	13230	20870	13322	9153
20°	13058	22631	13153	8206
25°	12809	22372	12931	7507
30°	12564	18491	12717	7148
35°	12222	13779	12356	6930
40°	11820	10380	11935	6823
45°	11209	8331	11349	6677
50°	10479	7019	10631	6609
55°	9620	6108	9771	6531
60°	8787	5380	9043	6423
65°	8003	4629	8078	6155
70°	7081	3808	7235	5667
75°	6179	2926	6138	4816
80°	4861	1923	4804	3655
85°	3202	864	2998	2132

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 17489 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.4	1.5
10°-20°	498.3	4.6
20°-30°	791.6	7.3
30°-40°	879.6	8.1
40°-50°	799.9	7.3
50°-60°	653.6	6.0
60°-70°	466.6	4.3
70°-80°	256.7	2.4
80°-90°	73.6	0.7
90°-100°	67.9	0.6
100°-110°	447.2	4.1
110°-120°	854.0	7.8
120°-130°	1084.2	9.9
130°-140°	1159.8	10.6
140°-150°	1084.5	9.9
150°-160°	874.6	8.0
160°-170°	564.0	5.2
170°-180°	194.4	1.8
0°-30°	1451.2	13.3
0°-40°	2330.8	21.4
0°-60°	3784.3	34.7
0°-90°	4581.2	42.0
90°-120°	1369.2	12.5
90°-150°	4697.8	43.1
90°-180°	6331.0	58.0
0°-180°	10912.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1659	1659	1659	1659	1659	
5°	1652	1946	1661	1462	1652	157
15°	1578	2673	1589	1172	1578	445
25°	1440	2838	1454	952	1440	664
35°	1249	1678	1263	844	1249	780
45°	996	941	1009	754	996	768
55°	701	616	712	658	701	630
65°	437	396	441	526	437	432
75°	214	198	213	326	214	225
85°	44	41	41	102	44	51
90°	5	46	5	46	5	7
95°	84	44	84	44	84	104
105°	461	436	461	436	461	482
115°	860	866	860	866	860	847
125°	1209	1218	1209	1218	1209	1080
135°	1500	1510	1500	1510	1500	1156
145°	1729	1738	1729	1738	1729	1080
155°	1896	1894	1896	1894	1896	874
165°	2000	1991	2000	1991	2000	565
175°	2046	2034	2046	2034	2046	195
180°	2046	2046	2046	2046	2046	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7
2.5°	1658.7	1675.2	1682.0	1687.5	1705.4	1710.9	1712.3	1720.5	1727.4	1728.8	1728.8
5°	1651.8	1677.9	1698.5	1717.8	1746.6	1759.0	1774.1	1790.6	1812.6	1826.3	1833.2
7.5°	1640.8	1679.3	1710.9	1743.9	1783.7	1808.5	1822.2	1866.2	1896.4	1921.2	1951.4
10°	1624.3	1673.8	1719.1	1767.2	1823.6	1853.8	1884.0	1937.6	1980.2	2028.3	2066.8
12.5°	1599.6	1664.2	1719.1	1786.5	1856.6	1892.3	1928.0	2021.5	2070.9	2113.5	2182.3
15°	1577.6	1642.2	1720.5	1789.2	1875.8	1929.4	1981.6	2042.1	2120.4	2212.5	2278.4
17.5°	1552.9	1633.9	1706.8	1803.0	1899.2	1950.0	1992.6	2086.1	2196.0	2286.7	2347.2
20°	1518.5	1601.0	1697.2	1798.8	1912.9	1952.8	2009.1	2134.2	2233.1	2322.4	2421.4
22.5°	1478.7	1574.9	1676.5	1774.1	1892.3	1976.1	2038.0	2147.9	2267.5	2370.5	2481.8
25°	1440.2	1544.6	1633.9	1767.2	1892.3	1948.6	2018.7	2149.3	2279.8	2404.9	2518.9
27.5°	1399.0	1496.5	1617.5	1723.3	1864.8	1926.6	2002.2	2145.1	2283.9	2409.0	2531.3
30°	1353.6	1458.0	1558.4	1683.4	1820.8	1900.5	1970.6	2125.9	2267.5	2398.0	2512.1
32.5°	1302.8	1401.7	1508.9	1627.1	1771.4	1852.4	1940.4	2099.8	2251.0	2363.6	2451.6
35°	1249.2	1349.5	1442.9	1563.9	1712.3	1793.4	1878.6	2054.5	2204.2	2296.3	2347.2
37.5°	1190.1	1284.9	1377.0	1496.5	1644.9	1731.5	1818.1	1988.5	2130.0	2207.0	2193.2
40°	1133.7	1218.9	1304.1	1416.8	1572.1	1664.2	1739.8	1911.5	2035.2	2068.2	2022.8
42.5°	1069.1	1142.0	1224.4	1339.9	1491.0	1577.6	1672.4	1829.1	1921.2	1907.4	1830.5
45°	996.3	1060.9	1143.3	1251.9	1405.8	1495.1	1574.9	1723.3	1790.6	1756.2	1616.1
47.5°	926.2	989.4	1056.8	1165.3	1315.1	1390.7	1471.8	1605.1	1643.6	1570.7	1430.6
50°	850.6	902.9	972.9	1076.0	1216.2	1295.9	1363.2	1470.4	1484.2	1394.8	1249.2
52.5°	777.8	821.8	889.1	990.8	1121.4	1184.6	1250.5	1345.4	1334.4	1242.3	1102.1
55°	700.8	742.1	803.9	897.4	1012.8	1073.3	1129.6	1213.4	1190.1	1095.2	972.9
57.5°	636.3	665.1	725.6	812.2	907.0	972.9	1021.0	1087.0	1051.3	956.5	842.4
60°	562.1	597.8	648.6	718.7	812.2	856.1	898.7	942.7	918.0	827.3	725.6
62.5°	494.7	522.2	566.2	633.5	706.3	746.2	791.5	819.0	794.3	710.5	625.3
65°	437.0	459.0	493.3	548.3	618.4	651.4	677.5	703.6	683.0	604.7	542.8
67.5°	373.8	393.0	421.9	465.9	525.0	548.3	573.0	590.9	567.6	515.3	454.9
70°	317.4	331.2	358.7	391.7	432.9	454.9	475.5	493.3	472.7	428.8	383.4
72.5°	259.7	270.7	295.5	318.8	355.9	371.0	386.2	399.9	393.0	351.8	314.7
75°	214.4	218.5	235.0	254.2	277.6	294.1	305.1	313.3	307.8	274.8	251.5
77.5°	162.2	167.7	180.0	195.1	215.8	225.4	232.2	240.5	233.6	207.5	191.0
80°	118.2	119.6	126.4	140.2	153.9	155.3	162.2	173.2	169.0	151.2	138.8
82.5°	75.6	79.7	82.5	90.7	100.3	103.1	107.2	109.9	108.6	97.6	93.4
85°	44.0	44.0	46.7	52.2	55.0	59.1	60.5	61.8	64.6	57.7	53.6
87.5°	19.2	20.6	20.6	22.0	24.7	24.7	26.1	27.5	28.9	27.5	23.4
90°	4.6	8.3	12.1	15.8	19.5	21.4	22.8	25.5	28.2	31.0	33.7
92.5°	23.0	22.3	21.6	20.9	20.2	19.9	21.3	24.0	26.7	29.4	32.1
95°	84.2	72.6	61.0	49.5	37.9	32.1	32.3	32.6	33.0	33.3	33.7
97.5°	160.7	168.2	175.6	183.1	190.6	194.3	176.5	140.8	105.1	69.4	33.7
100°	251.0	257.1	263.2	269.3	275.4	278.5	255.0	208.1	161.2	114.2	67.3
102.5°	352.0	356.1	360.1	364.2	368.3	370.3	372.3	376.4	380.5	384.6	388.7
105°	460.6	462.6	464.7	466.7	468.8	469.8	470.6	472.3	474.0	475.7	477.4
107.5°	560.1	561.1	562.1	563.2	564.2	564.7	565.9	568.3	570.6	573.0	575.4
110°	661.1	662.1	663.1	664.1	665.1	665.6	666.6	668.7	670.7	672.8	674.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	759.0	761.0	763.1	765.1	767.2	768.2	768.5	769.2	769.9	770.5	771.2
115°	860.0	861.0	862.0	863.1	864.1	864.6	864.4	864.1	863.7	863.4	863.0
117.5°	950.3	951.7	953.0	954.4	955.7	956.4	956.9	957.9	959.0	960.0	961.0
120°	1042.1	1043.5	1044.8	1046.2	1047.5	1048.2	1048.0	1047.7	1047.4	1047.0	1046.7
122.5°	1127.8	1128.5	1129.1	1129.8	1130.5	1130.8	1131.1	1131.8	1132.5	1133.2	1133.9
125°	1208.9	1210.3	1211.6	1213.0	1214.3	1215.0	1214.7	1214.0	1213.3	1212.6	1211.9
127.5°	1286.9	1287.3	1287.6	1288.0	1288.3	1288.5	1289.3	1291.0	1292.7	1294.4	1296.1
130°	1361.9	1362.2	1362.6	1362.9	1363.2	1363.4	1363.9	1364.9	1366.0	1367.0	1368.0
132.5°	1430.8	1431.5	1432.1	1432.8	1433.5	1433.8	1434.5	1435.8	1437.2	1438.5	1439.9
135°	1499.6	1499.3	1498.9	1498.6	1498.3	1498.1	1498.8	1500.1	1501.5	1502.8	1504.2
137.5°	1560.8	1560.8	1560.8	1560.8	1560.8	1560.8	1561.7	1563.4	1565.1	1566.8	1568.5
140°	1620.5	1621.2	1621.9	1622.6	1623.3	1623.6	1623.9	1624.6	1625.3	1625.9	1626.6
142.5°	1674.1	1675.5	1676.8	1678.2	1679.5	1680.2	1680.4	1680.7	1681.0	1681.4	1681.7
145°	1729.2	1730.2	1731.2	1732.2	1733.2	1733.7	1733.7	1733.7	1733.7	1733.7	1733.7
147.5°	1772.0	1774.0	1776.1	1778.1	1780.2	1781.2	1781.0	1780.7	1780.4	1780.0	1779.7
150°	1819.4	1820.8	1822.2	1823.5	1824.9	1825.6	1825.4	1825.1	1824.7	1824.4	1824.0
152.5°	1859.2	1860.2	1861.2	1862.3	1863.3	1863.8	1863.5	1862.8	1862.1	1861.5	1860.8
155°	1896.0	1896.3	1896.7	1897.0	1897.3	1897.5	1897.0	1896.0	1894.9	1893.9	1892.9
157.5°	1928.1	1928.1	1928.1	1928.1	1928.1	1928.1	1927.4	1926.1	1924.7	1923.4	1922.0
160°	1955.6	1954.6	1953.6	1952.5	1951.5	1951.0	1950.8	1950.5	1950.2	1949.8	1949.5
162.5°	1980.1	1978.7	1977.4	1976.0	1974.7	1974.0	1973.8	1973.5	1973.2	1972.8	1972.5
165°	2000.0	1998.3	1996.6	1994.9	1993.2	1992.4	1992.4	1992.4	1992.4	1992.4	1992.4
167.5°	2016.8	2015.1	2013.4	2011.7	2010.0	2009.2	2009.0	2008.7	2008.4	2008.0	2007.7
170°	2030.6	2028.6	2026.5	2024.5	2022.4	2021.4	2021.6	2021.9	2022.3	2022.6	2023.0
172.5°	2039.8	2037.8	2035.7	2033.7	2031.6	2030.6	2030.8	2031.1	2031.4	2031.8	2032.1
175°	2045.9	2043.9	2041.8	2039.8	2037.7	2036.7	2036.9	2037.2	2037.6	2037.9	2038.3
177.5°	2050.5	2048.1	2045.7	2043.4	2041.0	2039.8	2040.1	2040.8	2041.5	2042.2	2042.9
180°	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7
2.5°	1732.9	1757.6	1768.6	1771.4	1786.5	1776.9	1781.0	1779.6	1790.6	1792.0	1792.0
5°	1859.3	1888.2	1897.8	1911.5	1932.1	1937.6	1933.5	1941.8	1956.9	1945.9	1962.4
7.5°	1992.6	2024.2	2046.2	2076.4	2083.3	2101.2	2112.2	2121.8	2124.5	2125.9	2128.7
10°	2116.3	2156.1	2186.4	2237.2	2248.2	2257.8	2305.9	2286.7	2311.4	2303.2	2305.9
12.5°	2216.6	2294.9	2319.7	2404.9	2413.1	2446.1	2443.4	2473.6	2479.1	2490.1	2479.1
15°	2348.5	2439.2	2479.1	2527.2	2554.7	2593.1	2600.0	2641.2	2657.7	2672.8	2657.7
17.5°	2469.5	2517.6	2619.3	2657.7	2675.6	2696.2	2748.4	2763.5	2788.3	2778.7	2806.1
20°	2529.9	2598.6	2705.8	2771.8	2799.3	2818.5	2862.5	2885.9	2895.5	2895.5	2898.2
22.5°	2583.5	2682.5	2762.2	2837.8	2862.5	2876.2	2902.3	2920.2	2924.3	2927.1	2929.8
25°	2631.6	2720.9	2785.5	2828.1	2837.8	2837.8	2852.9	2841.9	2824.0	2837.8	2846.0
27.5°	2631.6	2694.8	2723.7	2738.8	2738.8	2701.7	2679.7	2634.4	2595.9	2584.9	2609.6
30°	2587.6	2616.5	2576.7	2539.5	2510.7	2486.0	2399.4	2330.7	2316.9	2307.3	2344.4
32.5°	2486.0	2448.9	2370.5	2263.3	2220.7	2164.4	2097.1	2044.8	2013.2	2002.2	1994.0
35°	2305.9	2209.7	2108.0	1963.8	1933.5	1862.1	1770.0	1731.5	1679.3	1677.9	1695.8
37.5°	2109.4	1961.0	1851.1	1713.6	1671.0	1595.5	1508.9	1469.0	1433.3	1405.8	1438.8
40°	1879.9	1750.7	1583.1	1470.4	1409.9	1370.1	1297.3	1253.3	1236.8	1223.1	1243.7
42.5°	1665.5	1524.0	1393.5	1278.0	1228.5	1183.2	1135.1	1092.5	1080.1	1078.8	1093.9
45°	1452.5	1313.7	1192.8	1093.9	1062.3	1034.8	988.1	975.7	955.1	941.3	948.2
47.5°	1282.1	1139.2	1038.9	963.3	935.8	912.5	882.2	861.6	843.8	838.3	846.5
50°	1114.5	1018.3	915.2	852.0	831.4	809.4	786.1	766.8	758.6	753.1	758.6
52.5°	979.8	876.7	806.7	755.8	735.2	718.7	702.2	694.0	683.0	685.7	691.2
55°	858.9	768.2	709.1	672.0	659.6	652.8	632.1	622.5	618.4	615.6	618.4
57.5°	744.8	678.9	634.9	603.3	586.8	582.7	566.2	566.2	562.1	557.9	559.3
60°	654.1	597.8	555.2	530.4	527.7	520.8	509.8	508.5	498.8	503.0	504.3
62.5°	562.1	516.7	487.8	472.7	463.1	460.4	453.5	452.1	448.0	449.4	446.6
65°	489.2	452.1	423.3	410.9	406.8	405.4	399.9	395.8	393.0	395.8	393.0
67.5°	416.4	391.7	369.7	357.3	351.8	350.4	346.3	343.6	344.9	340.8	343.6
70°	347.7	322.9	309.2	302.3	299.6	295.5	295.5	295.5	295.5	292.7	291.3
72.5°	292.7	268.0	258.4	254.2	251.5	250.1	246.0	247.4	246.0	244.6	250.1
75°	232.2	217.1	207.5	203.4	206.1	202.0	197.9	200.6	196.5	197.9	203.4
77.5°	175.9	169.0	163.5	160.8	158.0	155.3	155.3	152.5	152.5	152.5	152.5
80°	127.8	126.4	116.8	115.4	115.4	112.7	112.7	112.7	112.7	111.3	112.7
82.5°	85.2	83.8	81.1	79.7	77.0	78.3	78.3	75.6	75.6	74.2	75.6
85°	49.5	49.5	46.7	45.3	44.0	45.3	42.6	41.2	42.6	41.2	42.6
87.5°	23.4	20.6	22.0	20.6	17.9	19.2	16.5	17.9	16.5	15.1	17.9
90°	35.7	37.7	39.8	41.8	42.8	43.1	43.8	44.5	45.2	45.9	45.2
92.5°	34.1	36.2	38.2	40.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
95°	35.7	37.7	39.8	41.8	42.8	43.0	43.3	43.7	44.0	44.4	44.0
97.5°	35.4	37.1	38.8	40.5	41.3	41.5	41.8	42.1	42.5	42.8	42.5
100°	61.5	55.7	50.0	44.2	41.3	41.5	41.8	42.1	42.5	42.8	42.5
102.5°	312.2	235.7	159.2	82.7	44.4	44.4	44.4	44.4	44.4	44.4	44.4
105°	480.5	483.5	486.6	489.7	491.2	485.1	472.8	460.6	448.3	436.1	448.3
107.5°	577.1	578.8	580.5	582.2	583.0	583.7	585.0	586.4	587.7	589.1	587.7
110°	675.5	676.2	676.9	677.6	677.9	678.4	679.4	680.5	681.5	682.5	681.5

TEST NUMBER: P1032496

CATALOG NUMBER: S124DIW-B1020D1560UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	770.9	770.5	770.2	769.9	769.7	770.4	771.7	773.1	774.4	775.8	774.4
115°	863.7	864.4	865.1	865.8	866.1	866.1	866.1	866.1	866.1	866.1	866.1
117.5°	960.7	960.3	960.0	959.7	959.5	959.5	959.5	959.5	959.5	959.5	959.5
120°	1047.4	1048.0	1048.7	1049.4	1049.7	1049.4	1048.7	1048.0	1047.4	1046.7	1047.4
122.5°	1134.2	1134.6	1134.9	1135.2	1135.4	1135.1	1134.4	1133.7	1133.1	1132.4	1133.1
125°	1212.9	1213.9	1215.0	1216.0	1216.5	1216.7	1217.0	1217.4	1217.7	1218.1	1217.7
127.5°	1295.8	1295.4	1295.1	1294.8	1294.6	1294.4	1294.1	1293.7	1293.4	1293.0	1293.4
130°	1368.4	1368.7	1369.1	1369.4	1369.6	1369.6	1369.6	1369.6	1369.6	1369.6	1369.6
132.5°	1440.3	1440.6	1441.0	1441.3	1441.5	1441.3	1441.0	1440.6	1440.3	1439.9	1440.3
135°	1504.9	1505.6	1506.3	1507.0	1507.3	1507.6	1508.3	1509.0	1509.6	1510.3	1509.6
137.5°	1569.2	1569.8	1570.5	1571.2	1571.5	1571.3	1571.0	1570.7	1570.3	1570.0	1570.3
140°	1627.6	1628.6	1629.7	1630.7	1631.2	1631.4	1631.7	1632.1	1632.4	1632.8	1632.4
142.5°	1682.4	1683.1	1683.8	1684.5	1684.8	1684.8	1684.8	1684.8	1684.8	1684.8	1684.8
145°	1734.1	1734.4	1734.8	1735.1	1735.3	1735.6	1736.3	1737.0	1737.6	1738.3	1737.6
147.5°	1780.0	1780.4	1780.7	1781.0	1781.2	1781.4	1781.7	1782.0	1782.4	1782.7	1782.4
150°	1824.0	1824.0	1824.0	1824.0	1824.0	1824.2	1824.5	1824.9	1825.2	1825.6	1825.2
152.5°	1861.5	1862.1	1862.8	1863.5	1863.8	1863.6	1863.3	1863.0	1862.6	1862.3	1862.6
155°	1894.3	1895.6	1897.0	1898.3	1899.0	1898.5	1897.5	1896.4	1895.4	1894.4	1895.4
157.5°	1923.7	1925.4	1927.1	1928.8	1929.6	1928.8	1927.1	1925.4	1923.7	1922.0	1923.7
160°	1951.5	1953.6	1955.6	1957.7	1958.7	1957.7	1955.6	1953.6	1951.5	1949.5	1951.5
162.5°	1974.5	1976.5	1978.6	1980.6	1981.6	1980.4	1978.0	1975.7	1973.3	1970.9	1973.3
165°	1995.1	1997.8	2000.5	2003.2	2004.6	2003.1	2000.0	1996.9	1993.9	1990.8	1993.9
167.5°	2010.7	2013.8	2016.8	2019.9	2021.4	2019.7	2016.3	2012.9	2009.5	2006.1	2009.5
170°	2025.7	2028.4	2031.1	2033.8	2035.2	2033.5	2030.1	2026.7	2023.3	2019.9	2023.3
172.5°	2034.8	2037.6	2040.3	2043.0	2044.4	2042.5	2038.8	2035.0	2031.3	2027.5	2031.3
175°	2041.3	2044.4	2047.4	2050.5	2052.0	2050.0	2045.9	2041.8	2037.8	2033.7	2037.8
177.5°	2045.6	2048.3	2051.0	2053.7	2055.1	2053.1	2049.0	2044.9	2040.8	2036.7	2040.8
180°	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7
2.5°	1789.2	1785.1	1779.6	1779.6	1772.7	1772.7	1761.7	1742.5	1726.0	1720.5	1723.3
5°	1941.8	1943.1	1934.9	1928.0	1915.7	1906.0	1888.2	1853.8	1842.8	1820.8	1805.7
7.5°	2116.3	2110.8	2095.7	2084.7	2081.9	2059.9	2021.5	1980.2	1947.3	1925.3	1893.7
10°	2312.8	2290.8	2268.8	2262.0	2245.5	2208.4	2164.4	2119.0	2073.7	2025.6	1972.0
12.5°	2477.7	2435.1	2433.7	2417.2	2385.6	2365.0	2312.8	2248.2	2169.9	2116.3	2055.8
15°	2655.0	2615.1	2582.1	2551.9	2536.8	2476.3	2432.4	2351.3	2257.8	2200.1	2158.9
17.5°	2781.4	2763.5	2707.2	2693.5	2672.8	2602.8	2532.7	2453.0	2371.9	2290.8	2179.5
20°	2883.1	2872.1	2835.0	2815.8	2782.8	2727.8	2642.6	2550.5	2457.1	2341.7	2237.2
22.5°	2927.1	2913.3	2883.1	2866.6	2846.0	2799.3	2726.4	2622.0	2499.7	2396.6	2285.3
25°	2840.5	2865.2	2857.0	2850.1	2841.9	2814.4	2759.4	2667.4	2547.8	2431.0	2292.2
27.5°	2645.4	2688.0	2729.2	2734.7	2748.4	2759.4	2737.4	2671.5	2571.2	2447.5	2294.9
30°	2382.9	2402.1	2486.0	2510.7	2529.9	2600.0	2641.2	2624.8	2547.8	2436.5	2296.3
32.5°	2046.2	2097.1	2182.3	2241.3	2293.6	2371.9	2479.1	2521.7	2494.2	2403.5	2264.7
35°	1727.4	1787.9	1886.8	1962.4	2014.6	2125.9	2252.3	2344.4	2378.8	2333.4	2209.7
37.5°	1466.3	1539.1	1627.1	1655.9	1716.4	1853.8	2028.3	2156.1	2240.0	2244.1	2147.9
40°	1269.8	1306.9	1377.0	1420.9	1480.0	1595.5	1765.9	1934.9	2061.3	2103.9	2053.1
42.5°	1103.5	1132.4	1184.6	1238.2	1291.8	1379.7	1536.4	1694.4	1864.8	1950.0	1948.6
45°	971.6	1001.8	1037.5	1081.5	1118.6	1213.4	1337.1	1499.3	1646.3	1778.2	1811.2
47.5°	856.1	882.2	926.2	945.5	970.2	1059.5	1166.7	1317.9	1470.4	1621.6	1660.1
50°	770.9	792.9	823.2	835.5	863.0	929.0	1016.9	1139.2	1308.3	1447.0	1518.5
52.5°	694.0	710.5	733.8	743.5	762.7	812.2	891.9	988.1	1128.2	1271.1	1371.5
55°	628.0	639.0	655.5	666.5	680.2	724.2	783.3	869.9	990.8	1114.5	1212.1
57.5°	566.2	574.4	590.9	596.4	607.4	641.8	683.0	755.8	867.1	977.1	1071.9
60°	508.5	514.0	523.6	535.9	544.2	567.6	606.0	666.5	755.8	856.1	933.1
62.5°	453.5	461.7	464.5	470.0	476.9	498.8	529.1	573.0	651.4	733.8	814.9
65°	397.1	404.0	409.5	410.9	417.8	434.3	461.7	500.2	551.1	622.5	698.1
67.5°	344.9	349.1	351.8	357.3	364.2	372.4	394.4	423.3	470.0	527.7	588.2
70°	296.8	296.8	301.0	302.3	310.6	320.2	329.8	357.3	398.5	445.2	486.5
72.5°	244.6	251.5	250.1	257.0	255.6	262.5	274.8	292.7	322.9	360.0	399.9
75°	199.3	203.4	203.4	203.4	206.1	211.6	218.5	235.0	258.4	288.6	311.9
77.5°	155.3	158.0	158.0	158.0	159.4	164.9	171.8	182.8	199.3	217.1	230.9
80°	111.3	114.1	114.1	116.8	116.8	118.2	125.1	130.6	138.8	152.5	166.3
82.5°	75.6	77.0	79.7	79.7	78.3	81.1	82.5	87.9	96.2	98.9	108.6
85°	41.2	42.6	44.0	44.0	45.3	48.1	46.7	52.2	52.2	57.7	60.5
87.5°	16.5	19.2	19.2	17.9	19.2	19.2	19.2	22.0	23.4	24.7	23.4
90°	44.5	43.8	43.1	42.8	41.8	39.8	37.7	35.7	33.7	31.0	28.2
92.5°	41.3	41.3	41.3	41.3	40.3	38.2	36.2	34.1	32.1	29.4	26.7
95°	43.7	43.3	43.0	42.8	41.8	39.8	37.7	35.7	33.7	33.3	33.0
97.5°	42.1	41.8	41.5	41.3	40.5	38.8	37.1	35.4	33.7	69.4	105.1
100°	42.1	41.8	41.5	41.3	44.2	50.0	55.7	61.5	67.3	114.2	161.2
102.5°	44.4	44.4	44.4	44.4	82.7	159.2	235.7	312.2	388.7	384.6	380.5
105°	460.6	472.8	485.1	491.2	489.7	486.6	483.5	480.5	477.4	475.7	474.0
107.5°	586.4	585.0	583.7	583.0	582.2	580.5	578.8	577.1	575.4	573.0	570.6
110°	680.5	679.4	678.4	677.9	677.6	676.9	676.2	675.5	674.8	672.8	670.7

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CATALOG NUMBER: S124DIW-B1020D1560UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	773.1	771.7	770.4	769.7	769.9	770.2	770.5	770.9	771.2	770.5	769.9
115°	866.1	866.1	866.1	866.1	865.8	865.1	864.4	863.7	863.0	863.4	863.7
117.5°	959.5	959.5	959.5	959.5	959.7	960.0	960.3	960.7	961.0	960.0	959.0
120°	1048.0	1048.7	1049.4	1049.7	1049.4	1048.7	1048.0	1047.4	1046.7	1047.0	1047.4
122.5°	1133.7	1134.4	1135.1	1135.4	1135.2	1134.9	1134.6	1134.2	1133.9	1133.2	1132.5
125°	1217.4	1217.0	1216.7	1216.5	1216.0	1215.0	1213.9	1212.9	1211.9	1212.6	1213.3
127.5°	1293.7	1294.1	1294.4	1294.6	1294.8	1295.1	1295.4	1295.8	1296.1	1294.4	1292.7
130°	1369.6	1369.6	1369.6	1369.6	1369.4	1369.1	1368.7	1368.4	1368.0	1367.0	1366.0
132.5°	1440.6	1441.0	1441.3	1441.5	1441.3	1441.0	1440.6	1440.3	1439.9	1438.5	1437.2
135°	1509.0	1508.3	1507.6	1507.3	1507.0	1506.3	1505.6	1504.9	1504.2	1502.8	1501.5
137.5°	1570.7	1571.0	1571.3	1571.5	1571.2	1570.5	1569.8	1569.2	1568.5	1566.8	1565.1
140°	1632.1	1631.7	1631.4	1631.2	1630.7	1629.7	1628.6	1627.6	1626.6	1625.9	1625.3
142.5°	1684.8	1684.8	1684.8	1684.8	1684.5	1683.8	1683.1	1682.4	1681.7	1681.4	1681.0
145°	1737.0	1736.3	1735.6	1735.3	1735.1	1734.8	1734.4	1734.1	1733.7	1733.7	1733.7
147.5°	1782.0	1781.7	1781.4	1781.2	1781.0	1780.7	1780.4	1780.0	1779.7	1780.0	1780.4
150°	1824.9	1824.5	1824.2	1824.0	1824.0	1824.0	1824.0	1824.0	1824.0	1824.4	1824.7
152.5°	1863.0	1863.3	1863.6	1863.8	1863.5	1862.8	1862.1	1861.5	1860.8	1861.5	1862.1
155°	1896.4	1897.5	1898.5	1899.0	1898.3	1897.0	1895.6	1894.3	1892.9	1893.9	1894.9
157.5°	1925.4	1927.1	1928.8	1929.6	1928.8	1927.1	1925.4	1923.7	1922.0	1923.4	1924.7
160°	1953.6	1955.6	1957.7	1958.7	1957.7	1955.6	1953.6	1951.5	1949.5	1949.8	1950.2
162.5°	1975.7	1978.0	1980.4	1981.6	1980.6	1978.6	1976.5	1974.5	1972.5	1972.8	1973.2
165°	1996.9	2000.0	2003.1	2004.6	2003.2	2000.5	1997.8	1995.1	1992.4	1992.4	1992.4
167.5°	2012.9	2016.3	2019.7	2021.4	2019.9	2016.8	2013.8	2010.7	2007.7	2008.0	2008.4
170°	2026.7	2030.1	2033.5	2035.2	2033.8	2031.1	2028.4	2025.7	2023.0	2022.6	2022.3
172.5°	2035.0	2038.8	2042.5	2044.4	2043.0	2040.3	2037.6	2034.8	2032.1	2031.8	2031.4
175°	2041.8	2045.9	2050.0	2052.0	2050.5	2047.4	2044.4	2041.3	2038.3	2037.9	2037.6
177.5°	2044.9	2049.0	2053.1	2055.1	2053.7	2051.0	2048.3	2045.6	2042.9	2042.2	2041.5
180°	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7
2.5°	1710.9	1705.4	1701.3	1701.3	1688.9	1676.5	1669.7	1666.9	1664.2	1653.2	1638.1
5°	1781.0	1763.1	1750.7	1738.4	1717.8	1695.8	1673.8	1661.4	1643.6	1618.8	1601.0
7.5°	1859.3	1816.7	1803.0	1787.9	1746.6	1709.5	1679.3	1653.2	1624.3	1592.7	1561.1
10°	1925.3	1879.9	1849.7	1823.6	1770.0	1720.5	1675.2	1636.7	1599.6	1558.4	1519.9
12.5°	1988.5	1923.9	1892.3	1853.8	1797.5	1726.0	1666.9	1618.8	1563.9	1521.3	1474.5
15°	2076.4	1967.9	1915.7	1890.9	1815.3	1731.5	1660.1	1588.6	1543.2	1478.7	1437.4
17.5°	2090.2	2002.2	1967.9	1904.7	1814.0	1719.1	1636.7	1565.2	1496.5	1438.8	1385.2
20°	2138.3	2022.8	1967.9	1928.0	1808.5	1712.3	1621.6	1529.5	1463.5	1401.7	1341.2
22.5°	2168.5	2038.0	1980.2	1917.0	1803.0	1687.5	1580.3	1500.6	1419.6	1356.3	1308.3
25°	2160.3	2029.7	1965.1	1906.0	1767.2	1651.8	1555.6	1453.9	1378.3	1309.6	1246.4
27.5°	2156.1	2009.1	1940.4	1874.4	1743.9	1622.9	1502.0	1419.6	1335.7	1256.0	1209.3
30°	2145.1	1983.0	1903.3	1831.8	1695.8	1569.4	1466.3	1370.1	1286.3	1213.4	1151.6
32.5°	2108.0	1939.0	1862.1	1785.1	1643.6	1517.1	1412.7	1323.4	1239.5	1164.0	1104.9
35°	2058.6	1886.8	1803.0	1721.9	1580.3	1452.5	1356.3	1262.9	1184.6	1111.7	1055.4
37.5°	2009.1	1826.3	1748.0	1654.6	1524.0	1390.7	1291.8	1207.9	1135.1	1059.5	997.7
40°	1937.6	1754.9	1668.3	1588.6	1436.1	1311.0	1220.3	1144.7	1073.3	1001.8	949.6
42.5°	1840.1	1676.5	1587.2	1499.3	1356.3	1232.7	1144.7	1077.4	1010.0	951.0	893.2
45°	1741.1	1581.7	1502.0	1423.7	1268.4	1151.6	1070.5	1008.7	952.3	887.7	841.0
47.5°	1621.6	1486.9	1407.2	1330.2	1183.2	1066.4	992.2	934.5	882.2	828.7	784.7
50°	1499.3	1382.5	1309.6	1229.9	1089.8	983.9	911.1	863.0	820.4	769.6	733.8
52.5°	1367.3	1265.7	1203.8	1126.9	1003.2	905.6	831.4	783.3	747.6	710.5	678.9
55°	1227.2	1153.0	1087.0	1025.2	908.4	820.4	754.4	711.8	687.1	652.8	625.3
57.5°	1100.7	1029.3	989.4	919.3	817.7	731.1	678.9	643.1	614.3	593.7	571.7
60°	968.8	911.1	867.1	816.3	727.0	654.1	599.2	578.5	548.3	533.2	523.6
62.5°	842.4	801.2	759.9	721.5	641.8	573.0	531.8	505.7	487.8	472.7	464.5
65°	722.8	684.4	655.5	621.1	555.2	500.2	461.7	441.1	423.3	419.1	409.5
67.5°	606.0	589.5	557.9	530.4	474.1	431.5	402.6	376.5	366.9	362.8	354.5
70°	507.1	487.8	463.1	439.7	397.1	360.0	333.9	324.3	310.6	309.2	299.6
72.5°	417.8	394.4	376.5	358.7	327.1	294.1	280.3	266.6	259.7	254.2	250.1
75°	331.2	314.7	302.3	287.2	259.7	237.7	218.5	213.0	208.9	207.5	204.8
77.5°	247.4	236.4	230.9	215.8	196.5	177.3	169.0	160.8	160.8	158.0	159.4
80°	175.9	169.0	162.2	153.9	137.4	129.2	122.3	116.8	114.1	112.7	114.1
82.5°	111.3	107.2	105.8	100.3	89.3	85.2	79.7	75.6	75.6	75.6	75.6
85°	61.8	61.8	61.8	53.6	49.5	45.3	42.6	41.2	41.2	41.2	42.6
87.5°	26.1	26.1	22.0	22.0	20.6	17.9	16.5	16.5	17.9	17.9	19.2
90°	25.5	22.8	21.4	19.5	15.8	12.1	8.3	4.6	8.3	12.1	15.8
92.5°	24.0	21.3	19.9	20.2	20.9	21.6	22.3	23.0	22.3	21.6	20.9
95°	32.6	32.3	32.1	37.9	49.5	61.0	72.6	84.2	72.6	61.0	49.5
97.5°	140.8	176.5	194.3	190.6	183.1	175.6	168.2	160.7	168.2	175.6	183.1
100°	208.1	255.0	278.5	275.4	269.3	263.2	257.1	251.0	257.1	263.2	269.3
102.5°	376.4	372.3	370.3	368.3	364.2	360.1	356.1	352.0	356.1	360.1	364.2
105°	472.3	470.6	469.8	468.8	466.7	464.7	462.6	460.6	462.6	464.7	466.7
107.5°	568.3	565.9	564.7	564.2	563.2	562.1	561.1	560.1	561.1	562.1	563.2
110°	668.7	666.6	665.6	665.1	664.1	663.1	662.1	661.1	662.1	663.1	664.1

TEST NUMBER: P1032496

CATALOG NUMBER: S124DIW-B1020D1560UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	769.2	768.5	768.2	767.2	765.1	763.1	761.0	759.0	761.0	763.1	765.1
115°	864.1	864.4	864.6	864.1	863.1	862.0	861.0	860.0	861.0	862.0	863.1
117.5°	957.9	956.9	956.4	955.7	954.4	953.0	951.7	950.3	951.7	953.0	954.4
120°	1047.7	1048.0	1048.2	1047.5	1046.2	1044.8	1043.5	1042.1	1043.5	1044.8	1046.2
122.5°	1131.8	1131.1	1130.8	1130.5	1129.8	1129.1	1128.5	1127.8	1128.5	1129.1	1129.8
125°	1214.0	1214.7	1215.0	1214.3	1213.0	1211.6	1210.3	1208.9	1210.3	1211.6	1213.0
127.5°	1291.0	1289.3	1288.5	1288.3	1288.0	1287.6	1287.3	1286.9	1287.3	1287.6	1288.0
130°	1364.9	1363.9	1363.4	1363.2	1362.9	1362.6	1362.2	1361.9	1362.2	1362.6	1362.9
132.5°	1435.8	1434.5	1433.8	1433.5	1432.8	1432.1	1431.5	1430.8	1431.5	1432.1	1432.8
135°	1500.1	1498.8	1498.1	1498.3	1498.6	1498.9	1499.3	1499.6	1499.3	1498.9	1498.6
137.5°	1563.4	1561.7	1560.8	1560.8	1560.8	1560.8	1560.8	1560.8	1560.8	1560.8	1560.8
140°	1624.6	1623.9	1623.6	1623.3	1622.6	1621.9	1621.2	1620.5	1621.2	1621.9	1622.6
142.5°	1680.7	1680.4	1680.2	1679.5	1678.2	1676.8	1675.5	1674.1	1675.5	1676.8	1678.2
145°	1733.7	1733.7	1733.7	1733.2	1732.2	1731.2	1730.2	1729.2	1730.2	1731.2	1732.2
147.5°	1780.7	1781.0	1781.2	1780.2	1778.1	1776.1	1774.0	1772.0	1774.0	1776.1	1778.1
150°	1825.1	1825.4	1825.6	1824.9	1823.5	1822.2	1820.8	1819.4	1820.8	1822.2	1823.5
152.5°	1862.8	1863.5	1863.8	1863.3	1862.3	1861.2	1860.2	1859.2	1860.2	1861.2	1862.3
155°	1896.0	1897.0	1897.5	1897.3	1897.0	1896.7	1896.3	1896.0	1896.3	1896.7	1897.0
157.5°	1926.1	1927.4	1928.1	1928.1	1928.1	1928.1	1928.1	1928.1	1928.1	1928.1	1928.1
160°	1950.5	1950.8	1951.0	1951.5	1952.5	1953.6	1954.6	1955.6	1954.6	1953.6	1952.5
162.5°	1973.5	1973.8	1974.0	1974.7	1976.0	1977.4	1978.7	1980.1	1978.7	1977.4	1976.0
165°	1992.4	1992.4	1992.4	1993.2	1994.9	1996.6	1998.3	2000.0	1998.3	1996.6	1994.9
167.5°	2008.7	2009.0	2009.2	2010.0	2011.7	2013.4	2015.1	2016.8	2015.1	2013.4	2011.7
170°	2021.9	2021.6	2021.4	2022.4	2024.5	2026.5	2028.6	2030.6	2028.6	2026.5	2024.5
172.5°	2031.1	2030.8	2030.6	2031.6	2033.7	2035.7	2037.8	2039.8	2037.8	2035.7	2033.7
175°	2037.2	2036.9	2036.7	2037.7	2039.8	2041.8	2043.9	2045.9	2043.9	2041.8	2039.8
177.5°	2040.8	2040.1	2039.8	2041.0	2043.4	2045.7	2048.1	2050.5	2048.1	2045.7	2043.4
180°	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7
2.5°	1633.9	1628.4	1631.2	1617.5	1605.1	1587.2	1572.1	1569.4	1566.6	1574.9	1569.4
5°	1587.2	1580.3	1573.5	1557.0	1532.2	1517.1	1495.1	1493.8	1485.5	1473.2	1475.9
7.5°	1536.4	1532.2	1522.6	1496.5	1474.5	1448.4	1430.6	1415.4	1408.6	1397.6	1393.5
10°	1495.1	1480.0	1471.8	1442.9	1416.8	1389.3	1366.0	1355.0	1342.6	1333.0	1326.1
12.5°	1438.8	1434.7	1411.3	1388.0	1366.0	1334.4	1316.5	1284.9	1268.4	1276.6	1273.9
15°	1401.7	1382.5	1377.0	1344.0	1306.9	1286.3	1253.3	1232.7	1225.8	1213.4	1198.3
17.5°	1352.2	1339.9	1320.6	1290.4	1247.8	1218.9	1195.6	1176.3	1168.1	1151.6	1139.2
20°	1305.5	1284.9	1269.8	1242.3	1201.1	1164.0	1135.1	1122.7	1102.1	1088.4	1081.5
22.5°	1262.9	1247.8	1225.8	1184.6	1148.8	1113.1	1078.8	1060.9	1041.7	1033.4	1022.4
25°	1210.7	1185.9	1170.8	1125.5	1087.0	1058.1	1026.5	1003.2	992.2	978.4	975.7
27.5°	1159.8	1136.5	1118.6	1078.8	1032.0	994.9	975.7	959.2	940.0	940.0	933.1
30°	1109.0	1092.5	1065.0	1026.5	982.6	946.8	924.8	909.7	902.9	897.4	896.0
32.5°	1058.1	1036.2	1019.7	967.4	934.5	901.5	885.0	872.6	864.4	863.0	864.4
35°	1005.9	981.2	964.7	918.0	885.0	854.8	847.9	836.9	832.8	831.4	838.3
37.5°	951.0	931.7	911.1	872.6	835.5	817.7	803.9	799.8	798.4	806.7	809.4
40°	900.1	883.6	864.4	823.2	795.7	776.4	769.6	765.4	770.9	779.2	783.3
42.5°	852.0	828.7	813.5	776.4	751.7	740.7	732.5	732.5	738.0	747.6	754.4
45°	801.2	783.3	768.2	735.2	713.2	700.8	699.5	700.8	707.7	714.6	722.8
47.5°	751.7	733.8	717.3	689.9	670.6	663.7	662.4	663.7	674.7	684.4	694.0
50°	706.3	687.1	672.0	645.9	630.8	622.5	623.9	630.8	639.0	652.8	665.1
52.5°	652.8	639.0	625.3	601.9	588.2	582.7	586.8	592.3	607.4	617.0	632.1
55°	600.5	588.2	577.2	559.3	548.3	544.2	546.9	555.2	567.6	584.0	601.9
57.5°	552.4	538.7	527.7	515.3	503.0	504.3	505.7	516.7	531.8	546.9	567.6
60°	498.8	490.6	481.0	465.9	460.4	460.4	464.5	476.9	490.6	515.3	533.2
62.5°	450.7	439.7	432.9	423.3	415.0	416.4	426.0	437.0	453.5	474.1	497.5
65°	401.3	388.9	383.4	375.2	372.4	373.8	380.7	397.1	415.0	432.9	454.9
67.5°	346.3	342.2	336.7	328.4	331.2	332.6	339.4	353.2	372.4	390.3	415.0
70°	299.6	291.3	290.0	283.1	283.1	287.2	301.0	310.6	328.4	347.7	373.8
72.5°	250.1	243.2	243.2	237.7	241.9	246.0	252.9	266.6	283.1	302.3	324.3
75°	199.3	196.5	199.3	196.5	196.5	203.4	211.6	222.6	240.5	261.1	279.0
77.5°	153.9	153.9	152.5	156.7	156.7	160.8	171.8	182.8	196.5	213.0	232.2
80°	112.7	112.7	112.7	116.8	120.9	120.9	127.8	141.5	153.9	164.9	182.8
82.5°	77.0	77.0	77.0	79.7	85.2	85.2	93.4	101.7	115.4	125.1	133.3
85°	46.7	46.7	45.3	48.1	49.5	53.6	60.5	66.0	72.8	81.1	89.3
87.5°	20.6	20.6	22.0	23.4	24.7	27.5	30.2	33.0	39.9	42.6	46.7
90°	19.5	21.4	22.8	25.5	28.2	31.0	33.7	35.7	37.7	39.8	41.8
92.5°	20.2	19.9	21.3	24.0	26.7	29.4	32.1	34.1	36.2	38.2	40.3
95°	37.9	32.1	32.3	32.6	33.0	33.3	33.7	35.7	37.7	39.8	41.8
97.5°	190.6	194.3	176.5	140.8	105.1	69.4	33.7	35.4	37.1	38.8	40.5
100°	275.4	278.5	255.0	208.1	161.2	114.2	67.3	61.5	55.7	50.0	44.2
102.5°	368.3	370.3	372.3	376.4	380.5	384.6	388.7	312.2	235.7	159.2	82.7
105°	468.8	469.8	470.6	472.3	474.0	475.7	477.4	480.5	483.5	486.6	489.7
107.5°	564.2	564.7	565.9	568.3	570.6	573.0	575.4	577.1	578.8	580.5	582.2
110°	665.1	665.6	666.6	668.7	670.7	672.8	674.8	675.5	676.2	676.9	677.6

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	767.2	768.2	768.5	769.2	769.9	770.5	771.2	770.9	770.5	770.2	769.9
115°	864.1	864.6	864.4	864.1	863.7	863.4	863.0	863.7	864.4	865.1	865.8
117.5°	955.7	956.4	956.9	957.9	959.0	960.0	961.0	960.7	960.3	960.0	959.7
120°	1047.5	1048.2	1048.0	1047.7	1047.4	1047.0	1046.7	1047.4	1048.0	1048.7	1049.4
122.5°	1130.5	1130.8	1131.1	1131.8	1132.5	1133.2	1133.9	1134.2	1134.6	1134.9	1135.2
125°	1214.3	1215.0	1214.7	1214.0	1213.3	1212.6	1211.9	1212.9	1213.9	1215.0	1216.0
127.5°	1288.3	1288.5	1289.3	1291.0	1292.7	1294.4	1296.1	1295.8	1295.4	1295.1	1294.8
130°	1363.2	1363.4	1363.9	1364.9	1366.0	1367.0	1368.0	1368.4	1368.7	1369.1	1369.4
132.5°	1433.5	1433.8	1434.5	1435.8	1437.2	1438.5	1439.9	1440.3	1440.6	1441.0	1441.3
135°	1498.3	1498.1	1498.8	1500.1	1501.5	1502.8	1504.2	1504.9	1505.6	1506.3	1507.0
137.5°	1560.8	1560.8	1561.7	1563.4	1565.1	1566.8	1568.5	1569.2	1569.8	1570.5	1571.2
140°	1623.3	1623.6	1623.9	1624.6	1625.3	1625.9	1626.6	1627.6	1628.6	1629.7	1630.7
142.5°	1679.5	1680.2	1680.4	1680.7	1681.0	1681.4	1681.7	1682.4	1683.1	1683.8	1684.5
145°	1733.2	1733.7	1733.7	1733.7	1733.7	1733.7	1733.7	1734.1	1734.4	1734.8	1735.1
147.5°	1780.2	1781.2	1781.0	1780.7	1780.4	1780.0	1779.7	1780.0	1780.4	1780.7	1781.0
150°	1824.9	1825.6	1825.4	1825.1	1824.7	1824.4	1824.0	1824.0	1824.0	1824.0	1824.0
152.5°	1863.3	1863.8	1863.5	1862.8	1862.1	1861.5	1860.8	1861.5	1862.1	1862.8	1863.5
155°	1897.3	1897.5	1897.0	1896.0	1894.9	1893.9	1892.9	1894.3	1895.6	1897.0	1898.3
157.5°	1928.1	1928.1	1927.4	1926.1	1924.7	1923.4	1922.0	1923.7	1925.4	1927.1	1928.8
160°	1951.5	1951.0	1950.8	1950.5	1950.2	1949.8	1949.5	1951.5	1953.6	1955.6	1957.7
162.5°	1974.7	1974.0	1973.8	1973.5	1973.2	1972.8	1972.5	1974.5	1976.5	1978.6	1980.6
165°	1993.2	1992.4	1992.4	1992.4	1992.4	1992.4	1992.4	1995.1	1997.8	2000.5	2003.2
167.5°	2010.0	2009.2	2009.0	2008.7	2008.4	2008.0	2007.7	2010.7	2013.8	2016.8	2019.9
170°	2022.4	2021.4	2021.6	2021.9	2022.3	2022.6	2023.0	2025.7	2028.4	2031.1	2033.8
172.5°	2031.6	2030.6	2030.8	2031.1	2031.4	2031.8	2032.1	2034.8	2037.6	2040.3	2043.0
175°	2037.7	2036.7	2036.9	2037.2	2037.6	2037.9	2038.3	2041.3	2044.4	2047.4	2050.5
177.5°	2041.0	2039.8	2040.1	2040.8	2041.5	2042.2	2042.9	2045.6	2048.3	2051.0	2053.7
180°	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7
2.5°	1565.2	1563.9	1557.0	1559.7	1551.5	1554.2	1558.4	1559.7	1565.2	1561.1	1559.7
5°	1469.0	1466.3	1462.2	1458.0	1456.7	1462.2	1452.5	1455.3	1458.0	1462.2	1467.7
7.5°	1390.7	1389.3	1385.2	1378.3	1375.6	1372.8	1374.2	1383.8	1382.5	1381.1	1390.7
10°	1319.2	1320.6	1312.4	1311.0	1302.8	1301.4	1302.8	1305.5	1309.6	1315.1	1316.5
12.5°	1245.0	1262.9	1247.8	1242.3	1229.9	1236.8	1239.5	1227.2	1234.0	1238.2	1258.8
15°	1198.3	1190.1	1180.5	1180.5	1175.0	1172.2	1165.3	1175.0	1180.5	1188.7	1185.9
17.5°	1133.7	1120.0	1114.5	1109.0	1110.4	1115.9	1100.7	1122.7	1122.7	1126.9	1120.0
20°	1077.4	1066.4	1059.5	1056.8	1052.6	1049.9	1048.5	1054.0	1062.3	1065.0	1071.9
22.5°	1018.3	1018.3	1007.3	1003.2	1000.4	996.3	1003.2	999.1	1004.6	1010.0	1021.0
25°	968.8	968.8	964.7	959.2	955.1	952.3	956.5	955.1	959.2	966.1	968.8
27.5°	929.0	924.8	923.5	922.1	920.7	922.1	920.7	924.8	929.0	930.3	927.6
30°	894.6	890.5	891.9	891.9	893.2	891.9	890.5	894.6	896.0	893.2	894.6
32.5°	863.0	863.0	865.8	867.1	867.1	868.5	869.9	867.1	868.5	864.4	865.8
35°	836.9	839.6	842.4	843.8	845.1	843.8	846.5	845.1	842.4	839.6	838.3
37.5°	810.8	813.5	819.0	820.4	824.5	825.9	823.2	823.2	821.8	816.3	813.5
40°	783.3	786.1	792.9	797.0	799.8	803.9	801.2	801.2	795.7	790.2	786.1
42.5°	757.2	762.7	769.6	773.7	779.2	779.2	779.2	776.4	769.6	764.1	759.9
45°	731.1	732.5	742.1	748.9	754.4	754.4	754.4	750.3	746.2	735.2	729.7
47.5°	702.2	706.3	717.3	724.2	729.7	731.1	731.1	727.0	718.7	709.1	702.2
50°	670.6	677.5	689.9	699.5	706.3	709.1	705.0	702.2	692.6	681.6	673.4
52.5°	640.4	648.6	663.7	672.0	681.6	683.0	681.6	677.5	666.5	651.4	644.5
55°	610.2	617.0	633.5	647.3	655.5	658.2	655.5	648.6	634.9	619.8	612.9
57.5°	577.2	586.8	604.7	618.4	628.0	629.4	626.6	619.8	608.8	589.5	579.9
60°	542.8	555.2	573.0	586.8	599.2	600.5	597.8	588.2	574.4	555.2	546.9
62.5°	508.5	518.1	538.7	553.8	563.4	570.3	564.8	555.2	541.4	522.2	509.8
65°	468.6	482.3	500.2	514.0	525.0	526.3	523.6	515.3	500.2	479.6	470.0
67.5°	430.1	439.7	457.6	475.5	479.6	483.7	479.6	471.4	459.0	441.1	427.4
70°	383.4	391.7	413.6	426.0	431.5	435.6	432.9	424.6	413.6	397.1	386.2
72.5°	336.7	343.6	364.2	373.8	384.8	383.4	382.0	376.5	361.4	350.4	343.6
75°	287.2	295.5	309.2	321.6	325.7	325.7	325.7	321.6	311.9	294.1	287.2
77.5°	241.9	246.0	257.0	263.8	268.0	269.3	268.0	261.1	255.6	243.2	239.1
80°	185.5	196.5	204.8	206.1	211.6	211.6	211.6	208.9	203.4	191.0	189.6
82.5°	140.2	142.9	151.2	155.3	158.0	156.7	156.7	151.2	149.8	142.9	140.2
85°	94.8	98.9	97.6	103.1	104.4	101.7	101.7	104.4	97.6	98.9	94.8
87.5°	52.2	52.2	55.0	53.6	59.1	59.1	56.3	57.7	55.0	53.6	52.2
90°	42.8	43.1	43.8	44.5	45.2	45.9	45.2	44.5	43.8	43.1	42.8
92.5°	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
95°	42.8	43.0	43.3	43.7	44.0	44.4	44.0	43.7	43.3	43.0	42.8
97.5°	41.3	41.5	41.8	42.1	42.5	42.8	42.5	42.1	41.8	41.5	41.3
100°	41.3	41.5	41.8	42.1	42.5	42.8	42.5	42.1	41.8	41.5	41.3
102.5°	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
105°	491.2	485.1	472.8	460.6	448.3	436.1	448.3	460.6	472.8	485.1	491.2
107.5°	583.0	583.7	585.0	586.4	587.7	589.1	587.7	586.4	585.0	583.7	583.0
110°	677.9	678.4	679.4	680.5	681.5	682.5	681.5	680.5	679.4	678.4	677.9

TEST NUMBER: P1032496

CATALOG NUMBER: S124DIW-B1020D1560UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	769.7	770.4	771.7	773.1	774.4	775.8	774.4	773.1	771.7	770.4	769.7
115°	866.1	866.1	866.1	866.1	866.1	866.1	866.1	866.1	866.1	866.1	866.1
117.5°	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5
120°	1049.7	1049.4	1048.7	1048.0	1047.4	1046.7	1047.4	1048.0	1048.7	1049.4	1049.7
122.5°	1135.4	1135.1	1134.4	1133.7	1133.1	1132.4	1133.1	1133.7	1134.4	1135.1	1135.4
125°	1216.5	1216.7	1217.0	1217.4	1217.7	1218.1	1217.7	1217.4	1217.0	1216.7	1216.5
127.5°	1294.6	1294.4	1294.1	1293.7	1293.4	1293.0	1293.4	1293.7	1294.1	1294.4	1294.6
130°	1369.6	1369.6	1369.6	1369.6	1369.6	1369.6	1369.6	1369.6	1369.6	1369.6	1369.6
132.5°	1441.5	1441.3	1441.0	1440.6	1440.3	1439.9	1440.3	1440.6	1441.0	1441.3	1441.5
135°	1507.3	1507.6	1508.3	1509.0	1509.6	1510.3	1509.6	1509.0	1508.3	1507.6	1507.3
137.5°	1571.5	1571.3	1571.0	1570.7	1570.3	1570.0	1570.3	1570.7	1571.0	1571.3	1571.5
140°	1631.2	1631.4	1631.7	1632.1	1632.4	1632.8	1632.4	1632.1	1631.7	1631.4	1631.2
142.5°	1684.8	1684.8	1684.8	1684.8	1684.8	1684.8	1684.8	1684.8	1684.8	1684.8	1684.8
145°	1735.3	1735.6	1736.3	1737.0	1737.6	1738.3	1737.6	1737.0	1736.3	1735.6	1735.3
147.5°	1781.2	1781.4	1781.7	1782.0	1782.4	1782.7	1782.4	1782.0	1781.7	1781.4	1781.2
150°	1824.0	1824.2	1824.5	1824.9	1825.2	1825.6	1825.2	1824.9	1824.5	1824.2	1824.0
152.5°	1863.8	1863.6	1863.3	1863.0	1862.6	1862.3	1862.6	1863.0	1863.3	1863.6	1863.8
155°	1899.0	1898.5	1897.5	1896.4	1895.4	1894.4	1895.4	1896.4	1897.5	1898.5	1899.0
157.5°	1929.6	1928.8	1927.1	1925.4	1923.7	1922.0	1923.7	1925.4	1927.1	1928.8	1929.6
160°	1958.7	1957.7	1955.6	1953.6	1951.5	1949.5	1951.5	1953.6	1955.6	1957.7	1958.7
162.5°	1981.6	1980.4	1978.0	1975.7	1973.3	1970.9	1973.3	1975.7	1978.0	1980.4	1981.6
165°	2004.6	2003.1	2000.0	1996.9	1993.9	1990.8	1993.9	1996.9	2000.0	2003.1	2004.6
167.5°	2021.4	2019.7	2016.3	2012.9	2009.5	2006.1	2009.5	2012.9	2016.3	2019.7	2021.4
170°	2035.2	2033.5	2030.1	2026.7	2023.3	2019.9	2023.3	2026.7	2030.1	2033.5	2035.2
172.5°	2044.4	2042.5	2038.8	2035.0	2031.3	2027.5	2031.3	2035.0	2038.8	2042.5	2044.4
175°	2052.0	2050.0	2045.9	2041.8	2037.8	2033.7	2037.8	2041.8	2045.9	2050.0	2052.0
177.5°	2055.1	2053.1	2049.0	2044.9	2040.8	2036.7	2040.8	2044.9	2049.0	2053.1	2055.1
180°	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7
2.5°	1559.7	1568.0	1559.7	1565.2	1568.0	1574.9	1577.6	1590.0	1594.1	1603.7	1603.7
5°	1466.3	1470.4	1471.8	1477.3	1482.8	1496.5	1506.1	1524.0	1544.6	1547.4	1559.7
7.5°	1390.7	1397.6	1408.6	1404.4	1414.1	1434.7	1447.0	1469.0	1489.6	1500.6	1515.8
10°	1323.4	1331.6	1335.7	1339.9	1357.7	1375.6	1394.8	1409.9	1437.4	1453.9	1466.3
12.5°	1268.4	1261.5	1269.8	1284.9	1305.5	1316.5	1342.6	1366.0	1386.6	1404.4	1415.4
15°	1196.9	1202.4	1210.7	1236.8	1242.3	1269.8	1279.4	1305.5	1344.0	1360.5	1374.2
17.5°	1128.2	1146.1	1162.6	1172.2	1188.7	1210.7	1238.2	1267.0	1291.8	1311.0	1327.5
20°	1073.3	1091.1	1100.7	1107.6	1124.1	1154.3	1180.5	1216.2	1247.8	1262.9	1284.9
22.5°	1029.3	1029.3	1043.0	1063.6	1073.3	1102.1	1124.1	1162.6	1196.9	1216.2	1236.8
25°	974.3	982.6	993.6	1011.4	1025.2	1048.5	1080.1	1113.1	1150.2	1166.7	1192.8
27.5°	929.0	938.6	953.7	957.8	971.6	992.2	1025.2	1060.9	1099.4	1117.2	1139.2
30°	894.6	900.1	905.6	913.9	926.2	944.1	971.6	1003.2	1049.9	1063.6	1091.1
32.5°	864.4	867.1	869.9	876.7	883.6	901.5	923.5	957.8	996.3	1016.9	1041.7
35°	836.9	834.1	835.5	839.6	846.5	853.4	876.7	905.6	941.3	966.1	985.3
37.5°	810.8	805.3	803.9	803.9	806.7	814.9	832.8	857.5	896.0	916.6	935.8
40°	781.9	776.4	773.7	772.3	770.9	776.4	790.2	814.9	845.1	864.4	886.4
42.5°	754.4	748.9	742.1	740.7	738.0	740.7	750.3	773.7	799.8	819.0	836.9
45°	727.0	717.3	709.1	703.6	705.0	700.8	707.7	725.6	755.8	768.2	786.1
47.5°	696.7	685.7	674.7	669.2	663.7	666.5	669.2	684.4	710.5	722.8	740.7
50°	667.9	652.8	640.4	633.5	629.4	626.6	629.4	644.5	663.7	674.7	689.9
52.5°	634.9	619.8	607.4	596.4	590.9	586.8	588.2	601.9	619.8	630.8	645.9
55°	604.7	585.4	568.9	555.2	551.1	549.7	548.3	557.9	573.0	584.0	596.4
57.5°	570.3	551.1	533.2	516.7	508.5	507.1	507.1	509.8	529.1	537.3	544.2
60°	535.9	515.3	496.1	481.0	468.6	464.5	463.1	468.6	478.2	486.5	496.1
62.5°	497.5	476.9	453.5	439.7	427.4	416.4	420.5	421.9	435.6	439.7	448.0
65°	460.4	437.0	417.8	395.8	382.0	375.2	372.4	375.2	386.2	387.5	393.0
67.5°	417.8	395.8	372.4	357.3	344.9	332.6	329.8	329.8	335.3	339.4	346.3
70°	376.5	354.5	328.4	311.9	299.6	288.6	284.5	283.1	287.2	290.0	296.8
72.5°	328.4	306.4	287.2	269.3	254.2	246.0	241.9	239.1	243.2	246.0	247.4
75°	277.6	259.7	240.5	222.6	213.0	204.8	199.3	195.1	197.9	197.9	197.9
77.5°	229.5	211.6	196.5	184.1	171.8	162.2	158.0	153.9	155.3	155.3	158.0
80°	178.6	166.3	153.9	142.9	131.9	123.7	120.9	116.8	114.1	112.7	112.7
82.5°	131.9	122.3	111.3	101.7	96.2	87.9	85.2	79.7	79.7	78.3	78.3
85°	87.9	82.5	71.5	64.6	60.5	56.3	53.6	50.8	46.7	46.7	45.3
87.5°	46.7	44.0	41.2	33.0	33.0	28.9	27.5	26.1	22.0	23.4	23.4
90°	41.8	39.8	37.7	35.7	33.7	31.0	28.2	25.5	22.8	21.4	19.5
92.5°	40.3	38.2	36.2	34.1	32.1	29.4	26.7	24.0	21.3	19.9	20.2
95°	41.8	39.8	37.7	35.7	33.7	33.3	33.0	32.6	32.3	32.1	37.9
97.5°	40.5	38.8	37.1	35.4	33.7	69.4	105.1	140.8	176.5	194.3	190.6
100°	44.2	50.0	55.7	61.5	67.3	114.2	161.2	208.1	255.0	278.5	275.4
102.5°	82.7	159.2	235.7	312.2	388.7	384.6	380.5	376.4	372.3	370.3	368.3
105°	489.7	486.6	483.5	480.5	477.4	475.7	474.0	472.3	470.6	469.8	468.8
107.5°	582.2	580.5	578.8	577.1	575.4	573.0	570.6	568.3	565.9	564.7	564.2
110°	677.6	676.9	676.2	675.5	674.8	672.8	670.7	668.7	666.6	665.6	665.1

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CATALOG NUMBER: S124DIW-B1020D1560UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	769.9	770.2	770.5	770.9	771.2	770.5	769.9	769.2	768.5	768.2	767.2
115°	865.8	865.1	864.4	863.7	863.0	863.4	863.7	864.1	864.4	864.6	864.1
117.5°	959.7	960.0	960.3	960.7	961.0	960.0	959.0	957.9	956.9	956.4	955.7
120°	1049.4	1048.7	1048.0	1047.4	1046.7	1047.0	1047.4	1047.7	1048.0	1048.2	1047.5
122.5°	1135.2	1134.9	1134.6	1134.2	1133.9	1133.2	1132.5	1131.8	1131.1	1130.8	1130.5
125°	1216.0	1215.0	1213.9	1212.9	1211.9	1212.6	1213.3	1214.0	1214.7	1215.0	1214.3
127.5°	1294.8	1295.1	1295.4	1295.8	1296.1	1294.4	1292.7	1291.0	1289.3	1288.5	1288.3
130°	1369.4	1369.1	1368.7	1368.4	1368.0	1367.0	1366.0	1364.9	1363.9	1363.4	1363.2
132.5°	1441.3	1441.0	1440.6	1440.3	1439.9	1438.5	1437.2	1435.8	1434.5	1433.8	1433.5
135°	1507.0	1506.3	1505.6	1504.9	1504.2	1502.8	1501.5	1500.1	1498.8	1498.1	1498.3
137.5°	1571.2	1570.5	1569.8	1569.2	1568.5	1566.8	1565.1	1563.4	1561.7	1560.8	1560.8
140°	1630.7	1629.7	1628.6	1627.6	1626.6	1625.9	1625.3	1624.6	1623.9	1623.6	1623.3
142.5°	1684.5	1683.8	1683.1	1682.4	1681.7	1681.4	1681.0	1680.7	1680.4	1680.2	1679.5
145°	1735.1	1734.8	1734.4	1734.1	1733.7	1733.7	1733.7	1733.7	1733.7	1733.7	1733.2
147.5°	1781.0	1780.7	1780.4	1780.0	1779.7	1780.0	1780.4	1780.7	1781.0	1781.2	1780.2
150°	1824.0	1824.0	1824.0	1824.0	1824.0	1824.4	1824.7	1825.1	1825.4	1825.6	1824.9
152.5°	1863.5	1862.8	1862.1	1861.5	1860.8	1861.5	1862.1	1862.8	1863.5	1863.8	1863.3
155°	1898.3	1897.0	1895.6	1894.3	1892.9	1893.9	1894.9	1896.0	1897.0	1897.5	1897.3
157.5°	1928.8	1927.1	1925.4	1923.7	1922.0	1923.4	1924.7	1926.1	1927.4	1928.1	1928.1
160°	1957.7	1955.6	1953.6	1951.5	1949.5	1949.8	1950.2	1950.5	1950.8	1951.0	1951.5
162.5°	1980.6	1978.6	1976.5	1974.5	1972.5	1972.8	1973.2	1973.5	1973.8	1974.0	1974.7
165°	2003.2	2000.5	1997.8	1995.1	1992.4	1992.4	1992.4	1992.4	1992.4	1992.4	1993.2
167.5°	2019.9	2016.8	2013.8	2010.7	2007.7	2008.0	2008.4	2008.7	2009.0	2009.2	2010.0
170°	2033.8	2031.1	2028.4	2025.7	2023.0	2022.6	2022.3	2021.9	2021.6	2021.4	2022.4
172.5°	2043.0	2040.3	2037.6	2034.8	2032.1	2031.8	2031.4	2031.1	2030.8	2030.6	2031.6
175°	2050.5	2047.4	2044.4	2041.3	2038.3	2037.9	2037.6	2037.2	2036.9	2036.7	2037.7
177.5°	2053.7	2051.0	2048.3	2045.6	2042.9	2042.2	2041.5	2040.8	2040.1	2039.8	2041.0
180°	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9	2045.9

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1658.7	1658.7	1658.7	1658.7
2.5°	1613.3	1627.1	1639.4	1658.7
5°	1577.6	1596.8	1622.9	1651.8
7.5°	1536.4	1566.6	1601.0	1640.8
10°	1497.9	1532.2	1576.2	1624.3
12.5°	1458.0	1499.3	1547.4	1599.6
15°	1412.7	1453.9	1507.5	1577.6
17.5°	1371.5	1420.9	1478.7	1552.9
20°	1323.4	1370.1	1433.3	1518.5
22.5°	1280.8	1334.4	1404.4	1478.7
25°	1234.0	1280.8	1350.9	1440.2
27.5°	1187.3	1245.0	1312.4	1399.0
30°	1142.0	1190.1	1262.9	1353.6
32.5°	1092.5	1150.2	1217.6	1302.8
35°	1038.9	1093.9	1157.1	1249.2
37.5°	990.8	1044.4	1109.0	1190.1
40°	937.2	993.6	1052.6	1133.7
42.5°	885.0	935.8	994.9	1069.1
45°	834.1	878.1	931.7	996.3
47.5°	781.9	819.0	868.5	926.2
50°	725.6	765.4	802.5	850.6
52.5°	673.4	707.7	738.0	777.8
55°	622.5	645.9	670.6	700.8
57.5°	568.9	586.8	604.7	636.3
60°	515.3	531.8	541.4	562.1
62.5°	463.1	470.0	482.3	494.7
65°	405.4	415.0	421.9	437.0
67.5°	353.2	357.3	364.2	373.8
70°	298.2	307.8	310.6	317.4
72.5°	251.5	255.6	258.4	259.7
75°	199.3	203.4	206.1	214.4
77.5°	156.7	155.3	160.8	162.2
80°	115.4	111.3	112.7	118.2
82.5°	75.6	77.0	75.6	75.6
85°	46.7	45.3	42.6	44.0
87.5°	20.6	20.6	19.2	19.2
90°	15.8	12.1	8.3	4.6
92.5°	20.9	21.6	22.3	23.0
95°	49.5	61.0	72.6	84.2
97.5°	183.1	175.6	168.2	160.7
100°	269.3	263.2	257.1	251.0
102.5°	364.2	360.1	356.1	352.0
105°	466.7	464.7	462.6	460.6
107.5°	563.2	562.1	561.1	560.1
110°	664.1	663.1	662.1	661.1



TEST NUMBER: P1032496

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	765.1	763.1	761.0	759.0
115°	863.1	862.0	861.0	860.0
117.5°	954.4	953.0	951.7	950.3
120°	1046.2	1044.8	1043.5	1042.1
122.5°	1129.8	1129.1	1128.5	1127.8
125°	1213.0	1211.6	1210.3	1208.9
127.5°	1288.0	1287.6	1287.3	1286.9
130°	1362.9	1362.6	1362.2	1361.9
132.5°	1432.8	1432.1	1431.5	1430.8
135°	1498.6	1498.9	1499.3	1499.6
137.5°	1560.8	1560.8	1560.8	1560.8
140°	1622.6	1621.9	1621.2	1620.5
142.5°	1678.2	1676.8	1675.5	1674.1
145°	1732.2	1731.2	1730.2	1729.2
147.5°	1778.1	1776.1	1774.0	1772.0
150°	1823.5	1822.2	1820.8	1819.4
152.5°	1862.3	1861.2	1860.2	1859.2
155°	1897.0	1896.7	1896.3	1896.0
157.5°	1928.1	1928.1	1928.1	1928.1
160°	1952.5	1953.6	1954.6	1955.6
162.5°	1976.0	1977.4	1978.7	1980.1
165°	1994.9	1996.6	1998.3	2000.0
167.5°	2011.7	2013.4	2015.1	2016.8
170°	2024.5	2026.5	2028.6	2030.6
172.5°	2033.7	2035.7	2037.8	2039.8
175°	2039.8	2041.8	2043.9	2045.9
177.5°	2043.4	2045.7	2048.1	2050.5
180°	2045.9	2045.9	2045.9	2045.9

(END OF REPORT)