

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: P1032910

Luminaire Tested: S124RDIW-B1195D1560UB2750-4F0-XX-W2A-A_2700K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1032910
REPORT IS A COMBINATION OF REPORTS P1000135 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124RDIW-B1195D1560UB2750-4F0-XX-W2A-A_2700K
Description: Define 4 Regressed Direct/Indirect Wall Mount with 2700K BioUP LEDs {m-DER=0.473}
{m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

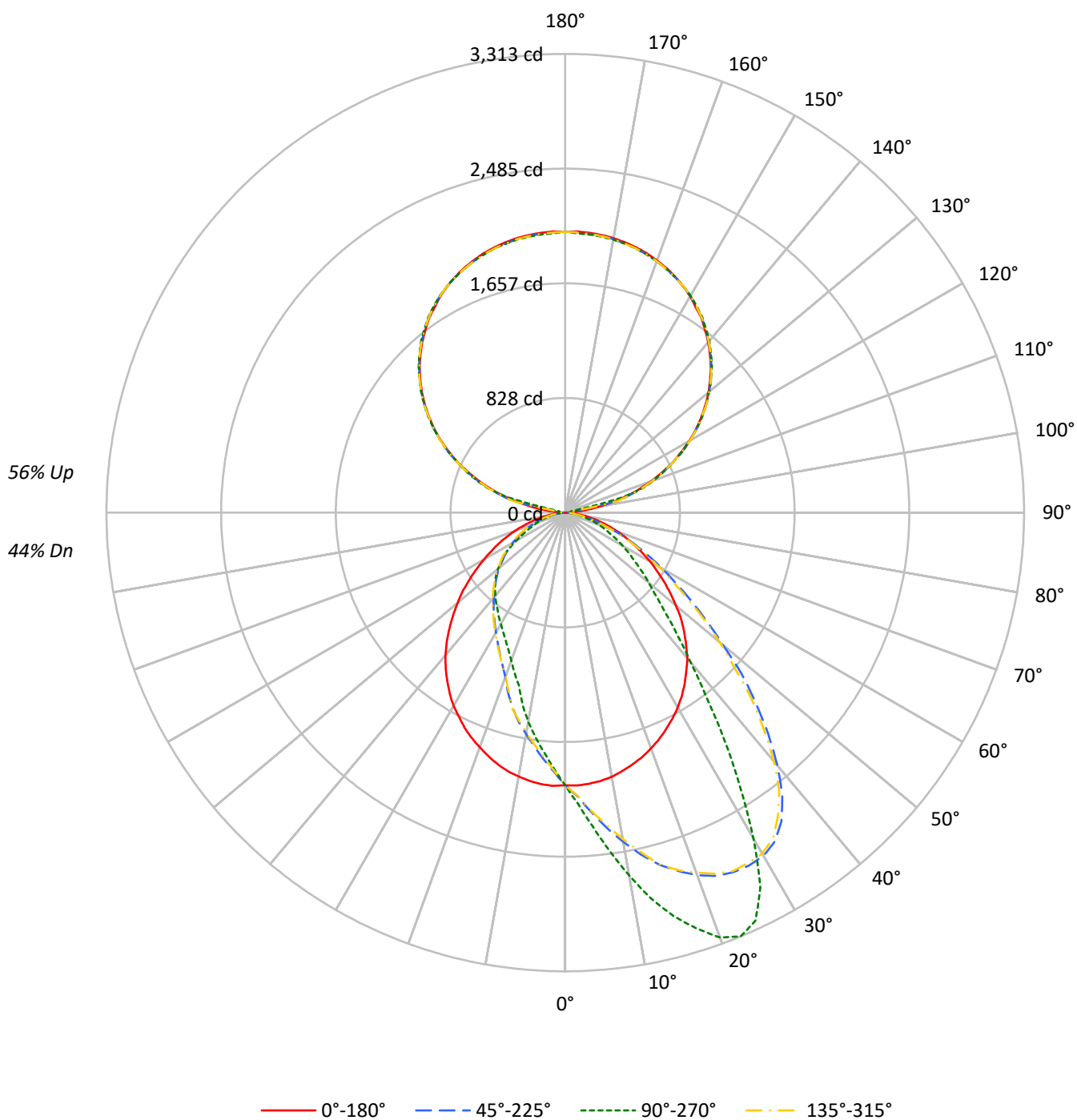
Lumens per Lamp: N/A
Luminaire Lumens: 11257.1 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 113.5
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1032910

CATALOG NUMBER: S124RDIW-B1195D1560UB2750-4F0-XX-W2A-A_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1032910

CATALOG NUMBER: S124RDIW-B1195D1560UB2750-4F0-XX-W2A-A_2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51			44
1	97	93	89	86	89	85	82	79	71	69	67	58	56	55	46	45	44			38
2	89	81	76	71	81	75	70	66	63	59	56	51	49	46	41	39	37			33
3	81	72	65	59	74	66	60	55	55	51	47	46	42	40	36	34	32			28
4	74	64	56	50	68	59	52	47	49	45	41	41	37	34	33	30	28			24
5	68	57	49	43	62	53	46	41	44	39	35	37	33	30	30	27	25			21
6	63	51	43	38	58	47	40	35	40	35	31	33	29	26	27	24	22			19
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	25	22	20			17
8	54	42	35	29	49	39	32	28	33	28	24	28	24	21	23	20	18			15
9	50	38	31	26	46	36	29	25	30	25	22	26	22	19	21	18	16			14
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	19	17	14			13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16055	16055	16055	16055
5°	16055	18141	16081	13866
10°	15969	20913	15956	12058
15°	15779	23536	15779	10096
20°	15581	25519	15499	8890
25°	15337	25627	15267	8029
30°	15080	21792	14962	7438
35°	14714	16443	14529	6996
40°	14308	11916	14026	6651
45°	13637	9056	13297	6347
50°	12840	7319	12489	5900
55°	11978	6061	11585	5305
60°	11111	5124	10614	4412
65°	10023	4175	9704	3506
70°	9027	3385	8600	2848
75°	7910	2440	7360	2088
80°	6523	1617	5939	1534
85°	4730	832	3922	832

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 20099 cd/sqm

TEST NUMBER: P1032910

CATALOG NUMBER: S124RDIW-B1195D1560UB2750-4F0-XX-W2A-A_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.6	1.7
10°-20°	575.7	5.1
20°-30°	901.8	8.0
30°-40°	1001.4	8.9
40°-50°	887.4	7.9
50°-60°	691.6	6.1
60°-70°	452.4	4.0
70°-80°	222.0	2.0
80°-90°	58.2	0.5
90°-100°	67.3	0.6
100°-110°	443.4	3.9
110°-120°	846.6	7.5
120°-130°	1074.8	9.5
130°-140°	1149.8	10.2
140°-150°	1075.1	9.6
150°-160°	867.0	7.7
160°-170°	559.1	5.0
170°-180°	192.7	1.7
0°-30°	1668.2	14.8
0°-40°	2669.6	23.7
0°-60°	4248.6	37.7
0°-90°	4981.2	44.2
90°-120°	1357.3	12.1
90°-150°	4657.0	41.4
90°-180°	6276.0	55.8
0°-180°	11257.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1969	1969	1969	1969	1969	
5°	1966	2275	1969	1739	1966	187
15°	1882	3014	1882	1293	1882	531
25°	1724	3251	1717	1018	1724	795
35°	1504	2002	1485	852	1504	940
45°	1212	1023	1182	717	1212	935
55°	873	611	844	535	873	780
65°	547	357	530	300	547	546
75°	274	165	255	141	274	291
85°	65	40	54	40	65	73
90°	5	46	5	46	5	9
95°	83	44	83	44	83	103
105°	457	432	457	432	457	478
115°	852	859	852	859	852	839
125°	1198	1208	1198	1208	1198	1070
135°	1487	1497	1487	1497	1487	1145
145°	1714	1723	1714	1723	1714	1071
155°	1880	1878	1880	1878	1880	867
165°	1983	1974	1983	1974	1983	560
175°	2028	2016	2028	2016	2028	193
180°	2028	2028	2028	2028	2028	

TEST NUMBER: P1032910

CATALOG NUMBER: S124RDIW-B1195D1560UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8
2.5°	1972.0	1989.5	1999.0	2006.9	2022.8	2029.1	2041.8	2045.0	2057.7	2056.1	2051.3
5°	1965.7	1995.8	2018.0	2041.8	2070.4	2086.2	2103.7	2129.1	2141.8	2159.2	2170.3
7.5°	1954.6	1995.8	2032.3	2068.8	2114.8	2140.2	2162.4	2202.1	2235.4	2263.9	2295.7
10°	1937.1	1989.5	2043.4	2092.6	2156.0	2186.2	2219.5	2278.2	2324.2	2363.9	2414.6
12.5°	1910.1	1983.1	2043.4	2110.0	2191.0	2232.2	2276.6	2346.4	2400.4	2465.4	2528.9
15°	1881.6	1962.5	2041.8	2129.1	2221.1	2268.7	2313.1	2406.7	2489.2	2563.8	2633.6
17.5°	1849.9	1938.7	2026.0	2122.7	2233.8	2292.5	2344.8	2457.5	2547.9	2644.7	2714.5
20°	1811.8	1908.6	2008.5	2116.4	2241.7	2306.8	2365.5	2494.0	2593.9	2698.6	2785.9
22.5°	1770.5	1875.2	1984.7	2102.1	2232.2	2303.6	2371.8	2509.8	2625.7	2722.4	2839.8
25°	1724.5	1835.6	1948.2	2072.0	2217.9	2295.7	2365.5	2501.9	2625.7	2752.6	2866.8
27.5°	1676.9	1791.2	1908.6	2038.6	2187.8	2263.9	2343.3	2474.9	2619.3	2757.3	2873.1
30°	1624.6	1735.6	1859.4	1983.1	2141.8	2217.9	2298.8	2441.6	2598.7	2736.7	2862.0
32.5°	1567.5	1681.7	1799.1	1927.6	2083.1	2165.6	2240.1	2402.0	2562.2	2698.6	2816.0
35°	1504.0	1611.9	1722.9	1854.6	2008.5	2083.1	2171.9	2340.1	2501.9	2646.3	2722.4
37.5°	1435.8	1538.9	1642.0	1772.1	1919.7	2010.1	2097.3	2267.1	2438.4	2535.2	2574.9
40°	1372.3	1462.7	1553.2	1678.5	1827.6	1921.2	2010.1	2186.2	2336.9	2411.5	2381.3
42.5°	1291.4	1385.0	1465.9	1581.7	1732.5	1819.7	1910.1	2092.6	2214.7	2244.9	2170.3
45°	1212.1	1289.8	1367.6	1480.2	1638.9	1713.4	1810.2	1979.9	2081.5	2054.5	1945.0
47.5°	1134.3	1197.8	1270.8	1380.3	1523.0	1611.9	1702.3	1849.9	1921.2	1883.2	1730.9
50°	1042.3	1105.8	1181.9	1277.1	1415.2	1500.8	1572.2	1708.7	1762.6	1669.0	1485.0
52.5°	955.1	1010.6	1075.6	1164.5	1296.2	1373.9	1451.6	1569.0	1586.5	1478.6	1285.1
55°	872.6	917.0	985.2	1056.6	1177.2	1259.7	1313.6	1413.6	1408.8	1274.0	1107.4
57.5°	786.9	828.2	874.2	948.7	1063.0	1124.8	1183.5	1270.8	1224.8	1110.5	945.6
60°	710.8	734.5	780.6	851.9	948.7	1002.7	1048.7	1096.3	1056.6	932.9	805.9
62.5°	626.7	653.6	687.0	744.1	829.7	880.5	913.8	934.4	893.2	798.0	682.2
65°	547.3	571.1	606.0	656.8	721.9	759.9	777.4	791.7	769.5	661.6	569.6
67.5°	475.9	491.8	523.5	556.9	626.7	636.2	660.0	666.3	621.9	539.4	466.4
70°	404.6	420.4	434.7	474.4	506.1	523.5	528.3	528.3	483.9	429.9	369.7
72.5°	337.9	347.4	361.7	388.7	406.1	418.8	425.2	417.2	376.0	331.6	287.2
75°	274.5	279.2	291.9	309.4	323.6	318.9	317.3	307.8	277.6	245.9	220.5
77.5°	211.0	214.2	228.5	233.2	233.2	238.0	231.6	222.1	196.7	172.9	161.8
80°	158.6	163.4	165.0	168.2	165.0	165.0	160.2	144.4	131.7	120.6	112.6
82.5°	109.5	112.6	114.2	109.5	112.6	107.9	99.9	88.8	80.9	79.3	76.2
85°	65.0	66.6	65.0	65.0	60.3	58.7	52.4	50.8	47.6	47.6	46.0
87.5°	31.7	30.1	27.0	23.8	23.8	22.2	23.8	20.6	23.8	22.2	20.6
90°	4.6	8.3	12.0	15.7	19.4	21.2	22.6	25.3	28.0	30.7	33.4
92.5°	22.8	22.1	21.4	20.7	20.0	19.7	21.1	23.8	26.5	29.2	31.9
95°	83.4	72.0	60.5	49.1	37.6	31.9	32.1	32.4	32.7	33.1	33.4
97.5°	159.3	166.7	174.1	181.6	189.0	192.7	175.0	139.6	104.2	68.8	33.4
100°	248.8	254.9	260.9	267.0	273.1	276.1	252.8	206.3	159.8	113.2	66.7
102.5°	348.9	352.9	357.0	361.0	365.1	367.1	369.1	373.2	377.2	381.3	385.3
105°	456.6	458.6	460.6	462.7	464.7	465.7	466.5	468.2	469.9	471.6	473.3
107.5°	555.2	556.2	557.2	558.3	559.3	559.8	561.0	563.3	565.7	568.0	570.4
110°	655.3	656.3	657.3	658.4	659.4	659.9	660.9	662.9	665.0	667.0	669.0

TEST NUMBER: P1032910

CATALOG NUMBER: S124RDIW-B1195D1560UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	752.4	754.4	756.4	758.5	760.5	761.5	761.8	762.5	763.2	763.8	764.5
115°	852.5	853.5	854.5	855.6	856.6	857.1	856.9	856.6	856.3	855.9	855.6
117.5°	942.0	943.4	944.7	946.1	947.4	948.1	948.6	949.6	950.6	951.6	952.6
120°	1033.0	1034.4	1035.7	1037.1	1038.4	1039.1	1038.9	1038.6	1038.3	1037.9	1037.6
122.5°	1118.0	1118.7	1119.3	1120.0	1120.7	1121.0	1121.3	1122.0	1122.7	1123.4	1124.1
125°	1198.4	1199.8	1201.1	1202.5	1203.8	1204.5	1204.2	1203.5	1202.8	1202.1	1201.4
127.5°	1275.7	1276.1	1276.4	1276.8	1277.1	1277.3	1278.1	1279.8	1281.5	1283.1	1284.8
130°	1350.1	1350.4	1350.8	1351.1	1351.4	1351.6	1352.1	1353.1	1354.1	1355.1	1356.1
132.5°	1418.3	1419.0	1419.7	1420.4	1421.1	1421.4	1422.1	1423.4	1424.7	1426.1	1427.4
135°	1486.6	1486.3	1485.9	1485.6	1485.3	1485.1	1485.8	1487.1	1488.5	1489.8	1491.2
137.5°	1547.3	1547.3	1547.3	1547.3	1547.3	1547.3	1548.1	1549.8	1551.5	1553.2	1554.9
140°	1606.4	1607.1	1607.8	1608.5	1609.2	1609.5	1609.8	1610.5	1611.2	1611.8	1612.5
142.5°	1659.5	1660.9	1662.2	1663.6	1664.9	1665.6	1665.8	1666.1	1666.4	1666.8	1667.1
145°	1714.1	1715.1	1716.1	1717.2	1718.2	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7
147.5°	1756.6	1758.6	1760.6	1762.7	1764.7	1765.7	1765.5	1765.2	1764.9	1764.5	1764.2
150°	1803.6	1805.0	1806.3	1807.7	1809.0	1809.7	1809.5	1809.2	1808.9	1808.5	1808.2
152.5°	1843.1	1844.1	1845.1	1846.1	1847.1	1847.6	1847.3	1846.6	1845.9	1845.3	1844.6
155°	1879.5	1879.8	1880.2	1880.5	1880.8	1881.0	1880.5	1879.5	1878.5	1877.5	1876.5
157.5°	1911.3	1911.3	1911.3	1911.3	1911.3	1911.3	1910.6	1909.3	1908.0	1906.6	1905.3
160°	1938.7	1937.7	1936.7	1935.6	1934.6	1934.1	1933.9	1933.6	1933.3	1932.9	1932.6
162.5°	1962.9	1961.6	1960.2	1958.9	1957.6	1956.9	1956.7	1956.4	1956.0	1955.7	1955.3
165°	1982.6	1980.9	1979.3	1977.6	1975.9	1975.1	1975.1	1975.1	1975.1	1975.1	1975.1
167.5°	1999.3	1997.6	1995.9	1994.2	1992.5	1991.7	1991.5	1991.2	1990.9	1990.5	1990.2
170°	2013.0	2011.0	2009.0	2006.9	2004.9	2003.9	2004.1	2004.4	2004.7	2005.1	2005.4
172.5°	2022.1	2020.1	2018.1	2016.0	2014.0	2013.0	2013.2	2013.5	2013.8	2014.2	2014.5
175°	2028.2	2026.2	2024.1	2022.1	2020.0	2019.0	2019.2	2019.5	2019.9	2020.2	2020.6
177.5°	2032.7	2030.3	2028.0	2025.6	2023.3	2022.1	2022.4	2023.1	2023.8	2024.4	2025.1
180°	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2

TEST NUMBER: P1032910

CATALOG NUMBER: S124RDIW-B1195D1560UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8
2.5°	2064.0	2081.5	2083.1	2098.9	2094.2	2086.2	2100.5	2091.0	2110.0	2103.7	2111.6
5°	2184.6	2208.4	2229.0	2241.7	2263.9	2259.2	2283.0	2275.0	2292.5	2275.0	2297.2
7.5°	2325.8	2365.5	2386.1	2419.4	2428.9	2430.5	2459.1	2465.4	2476.5	2465.4	2478.1
10°	2463.8	2511.4	2559.0	2586.0	2603.4	2627.2	2652.6	2663.7	2671.7	2660.6	2668.5
12.5°	2589.2	2663.7	2716.1	2770.0	2782.7	2803.3	2830.3	2827.1	2858.9	2852.5	2866.8
15°	2705.0	2787.5	2850.9	2893.8	2928.7	2946.1	2996.9	3000.1	2998.5	3014.3	3004.8
17.5°	2808.1	2877.9	2968.3	3023.9	3066.7	3066.7	3095.3	3154.0	3149.2	3147.6	3157.1
20°	2892.2	2971.5	3055.6	3149.2	3184.1	3190.4	3230.1	3260.2	3265.0	3265.0	3265.0
22.5°	2955.6	3049.2	3139.7	3206.3	3233.3	3255.5	3290.4	3309.4	3315.8	3312.6	3315.8
25°	2987.4	3076.2	3168.2	3228.5	3244.4	3257.1	3260.2	3271.4	3269.8	3250.7	3261.8
27.5°	2993.7	3079.4	3139.7	3155.5	3147.6	3139.7	3088.9	3093.7	3079.4	3050.8	3061.9
30°	2965.2	3011.2	3009.6	2960.4	2946.1	2912.8	2866.8	2798.6	2743.1	2719.3	2727.2
32.5°	2862.0	2862.0	2804.9	2693.9	2644.7	2584.4	2501.9	2440.0	2367.1	2351.2	2381.3
35°	2719.3	2638.3	2533.6	2387.7	2313.1	2268.7	2125.9	2081.5	2019.6	2002.2	2016.4
37.5°	2497.1	2362.3	2210.0	2073.6	2010.1	1930.8	1805.4	1742.0	1697.6	1667.4	1681.7
40°	2248.1	2084.7	1926.0	1757.8	1688.0	1623.0	1529.4	1472.3	1400.9	1404.0	1408.8
42.5°	2010.1	1818.1	1640.4	1485.0	1418.3	1364.4	1299.3	1229.5	1204.2	1196.2	1188.3
45°	1757.8	1553.2	1386.6	1270.8	1210.5	1159.7	1099.4	1059.8	1029.6	1023.3	1031.2
47.5°	1519.9	1346.9	1188.3	1080.4	1031.2	1005.8	958.2	921.8	902.7	886.9	896.4
50°	1304.1	1142.3	1015.4	924.9	890.0	872.6	828.2	809.1	790.1	785.3	783.7
52.5°	1126.4	988.4	878.9	805.9	779.0	769.5	736.1	709.2	693.3	698.1	701.2
55°	964.6	847.2	761.5	702.8	680.6	669.5	645.7	626.7	615.6	610.8	614.0
57.5°	821.8	720.3	658.4	610.8	593.3	588.6	563.2	556.9	548.9	544.2	544.2
60°	691.7	620.3	563.2	536.2	517.2	512.4	493.4	485.5	483.9	479.1	475.9
62.5°	582.2	523.5	483.9	455.3	447.4	445.8	433.1	423.6	418.8	415.7	415.7
65°	487.1	444.2	410.9	390.3	383.9	380.8	366.5	363.3	360.1	357.0	355.4
67.5°	406.1	368.1	344.3	330.0	322.1	323.6	315.7	309.4	309.4	307.8	306.2
70°	328.4	304.6	284.0	276.1	272.9	269.7	266.5	261.8	260.2	260.2	260.2
72.5°	258.6	242.7	231.6	226.9	223.7	220.5	217.3	217.3	217.3	215.8	215.8
75°	198.3	192.0	184.0	179.3	179.3	182.4	177.7	172.9	168.2	165.0	166.6
77.5°	149.1	146.0	141.2	133.3	134.9	131.7	131.7	128.5	130.1	130.1	126.9
80°	109.5	104.7	103.1	98.4	99.9	98.4	96.8	96.8	93.6	93.6	93.6
82.5°	76.2	71.4	71.4	69.8	68.2	68.2	66.6	66.6	68.2	65.0	65.0
85°	46.0	44.4	44.4	41.2	41.2	41.2	41.2	42.8	41.2	39.7	39.7
87.5°	20.6	22.2	20.6	19.0	19.0	19.0	17.5	17.5	15.9	17.5	17.5
90°	35.4	37.4	39.5	41.5	42.5	42.8	43.5	44.2	44.8	45.5	44.8
92.5°	33.9	35.9	38.0	40.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
95°	35.4	37.4	39.5	41.5	42.5	42.7	43.0	43.3	43.7	44.0	43.7
97.5°	35.1	36.8	38.5	40.2	41.0	41.2	41.5	41.8	42.2	42.5	42.2
100°	61.0	55.3	49.6	43.9	41.0	41.2	41.5	41.8	42.2	42.5	42.2
102.5°	309.5	233.6	157.8	81.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0
105°	476.3	479.3	482.4	485.4	486.9	480.8	468.7	456.6	444.4	432.3	444.4
107.5°	572.1	573.8	575.5	577.2	578.0	578.7	580.0	581.3	582.7	584.0	582.7
110°	669.7	670.3	671.0	671.7	672.0	672.5	673.5	674.6	675.6	676.6	675.6

TEST NUMBER: P1032910

CATALOG NUMBER: S124RDIW-B1195D1560UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	764.2	763.8	763.5	763.2	763.0	763.7	765.0	766.4	767.7	769.1	767.7
115°	856.3	856.9	857.6	858.3	858.6	858.6	858.6	858.6	858.6	858.6	858.6
117.5°	952.3	951.9	951.6	951.3	951.1	951.1	951.1	951.1	951.1	951.1	951.1
120°	1038.3	1038.9	1039.6	1040.3	1040.6	1040.3	1039.6	1038.9	1038.3	1037.6	1038.3
122.5°	1124.4	1124.8	1125.1	1125.4	1125.6	1125.3	1124.6	1123.9	1123.2	1122.5	1123.2
125°	1202.4	1203.4	1204.5	1205.5	1206.0	1206.2	1206.5	1206.8	1207.2	1207.5	1207.2
127.5°	1284.5	1284.1	1283.8	1283.5	1283.3	1283.1	1282.8	1282.5	1282.1	1281.8	1282.1
130°	1356.5	1356.8	1357.2	1357.5	1357.7	1357.7	1357.7	1357.7	1357.7	1357.7	1357.7
132.5°	1427.8	1428.1	1428.5	1428.8	1429.0	1428.8	1428.5	1428.1	1427.8	1427.4	1427.8
135°	1491.9	1492.5	1493.2	1493.9	1494.2	1494.5	1495.2	1495.9	1496.5	1497.2	1496.5
137.5°	1555.6	1556.2	1556.9	1557.6	1557.9	1557.7	1557.4	1557.1	1556.7	1556.4	1556.7
140°	1613.5	1614.5	1615.6	1616.6	1617.1	1617.3	1617.6	1617.9	1618.3	1618.6	1618.3
142.5°	1667.8	1668.5	1669.2	1669.9	1670.2	1670.2	1670.2	1670.2	1670.2	1670.2	1670.2
145°	1719.0	1719.4	1719.7	1720.0	1720.2	1720.5	1721.2	1721.9	1722.5	1723.2	1722.5
147.5°	1764.5	1764.9	1765.2	1765.5	1765.7	1765.9	1766.2	1766.5	1766.9	1767.2	1766.9
150°	1808.2	1808.2	1808.2	1808.2	1808.2	1808.4	1808.7	1809.0	1809.4	1809.7	1809.4
152.5°	1845.3	1845.9	1846.6	1847.3	1847.6	1847.4	1847.1	1846.8	1846.4	1846.1	1846.4
155°	1877.8	1879.2	1880.5	1881.8	1882.5	1882.0	1881.0	1880.0	1879.0	1878.0	1879.0
157.5°	1907.0	1908.7	1910.4	1912.1	1912.9	1912.1	1910.4	1908.7	1907.0	1905.3	1907.0
160°	1934.6	1936.6	1938.7	1940.7	1941.7	1940.7	1938.7	1936.6	1934.6	1932.6	1934.6
162.5°	1957.3	1959.3	1961.4	1963.4	1964.4	1963.2	1960.9	1958.5	1956.2	1953.8	1956.2
165°	1977.8	1980.5	1983.2	1985.9	1987.2	1985.7	1982.6	1979.6	1976.5	1973.5	1976.5
167.5°	1993.2	1996.3	1999.3	2002.4	2003.9	2002.2	1998.8	1995.5	1992.1	1988.7	1992.1
170°	2008.1	2010.8	2013.5	2016.2	2017.5	2015.8	2012.5	2009.1	2005.8	2002.4	2005.8
172.5°	2017.2	2019.9	2022.6	2025.3	2026.6	2024.7	2021.0	2017.3	2013.6	2009.9	2013.6
175°	2023.6	2026.6	2029.7	2032.7	2034.2	2032.2	2028.1	2024.1	2020.0	2016.0	2020.0
177.5°	2027.8	2030.5	2033.2	2035.9	2037.3	2035.3	2031.2	2027.1	2023.1	2019.0	2023.1
180°	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2

TEST NUMBER: P1032910

CATALOG NUMBER: S124RDIW-B1195D1560UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8
2.5°	2116.4	2105.3	2103.7	2103.7	2086.2	2095.8	2076.7	2056.1	2046.6	2046.6	2029.1
5°	2292.5	2281.4	2270.3	2252.8	2252.8	2243.3	2213.2	2183.0	2160.8	2141.8	2121.1
7.5°	2473.3	2462.2	2430.5	2413.1	2422.6	2403.5	2363.9	2313.1	2275.0	2244.9	2202.1
10°	2670.1	2639.9	2624.1	2614.5	2581.2	2560.6	2514.6	2440.0	2392.4	2352.8	2297.2
12.5°	2830.3	2839.8	2779.5	2784.3	2751.0	2722.4	2651.0	2579.6	2508.2	2452.7	2370.2
15°	3003.2	2974.7	2938.2	2909.6	2898.5	2863.6	2803.3	2708.1	2630.4	2543.2	2449.5
17.5°	3139.7	3117.5	3082.6	3055.6	3031.8	2947.7	2896.9	2812.9	2706.6	2620.9	2506.7
20°	3255.5	3234.9	3185.7	3168.2	3125.4	3065.1	2992.1	2862.0	2766.8	2673.2	2562.2
22.5°	3304.7	3284.0	3241.2	3219.0	3192.0	3133.3	3063.5	2939.8	2822.4	2705.0	2587.6
25°	3263.4	3263.4	3242.8	3234.9	3211.1	3158.7	3087.3	2982.6	2857.3	2730.4	2590.7
27.5°	3063.5	3103.2	3117.5	3125.4	3125.4	3127.0	3077.8	2976.3	2854.1	2730.4	2584.4
30°	2774.8	2841.4	2900.1	2917.6	2947.7	2981.0	3001.7	2952.5	2843.0	2712.9	2567.0
32.5°	2411.5	2497.1	2606.6	2633.6	2674.8	2774.8	2830.3	2850.9	2790.6	2676.4	2520.9
35°	2049.8	2157.6	2224.3	2306.8	2344.8	2492.4	2616.1	2690.7	2676.4	2608.2	2467.0
37.5°	1734.0	1795.9	1876.8	1964.1	2040.2	2181.4	2335.3	2479.7	2538.4	2505.1	2398.8
40°	1431.0	1504.0	1600.8	1672.2	1724.5	1865.7	2056.1	2213.2	2341.7	2362.3	2297.2
42.5°	1216.8	1289.8	1348.5	1426.3	1467.5	1603.9	1772.1	1968.8	2121.1	2202.1	2173.5
45°	1051.8	1096.3	1143.9	1188.3	1239.1	1359.6	1515.1	1730.9	1902.2	2016.4	2027.5
47.5°	907.5	947.1	988.4	1029.6	1058.2	1151.8	1294.6	1470.7	1657.9	1815.0	1876.8
50°	805.9	825.0	855.1	878.9	912.2	993.1	1107.4	1259.7	1458.0	1627.7	1708.7
52.5°	706.0	729.8	753.6	774.2	796.4	853.5	958.2	1089.9	1261.3	1435.8	1535.7
55°	621.9	640.9	663.2	677.4	690.1	740.9	820.2	921.8	1069.3	1234.3	1358.0
57.5°	553.7	561.6	580.7	588.6	602.9	644.1	701.2	791.7	910.6	1070.9	1172.4
60°	479.1	495.0	509.3	515.6	526.7	555.3	594.9	679.0	782.1	899.5	1015.4
62.5°	418.8	425.2	436.3	444.2	452.2	482.3	515.6	579.1	656.8	755.2	861.5
65°	363.3	366.5	372.8	383.9	388.7	410.9	429.9	475.9	548.9	623.5	729.8
67.5°	306.2	309.4	317.3	323.6	328.4	342.7	363.3	396.6	436.3	518.8	577.5
70°	261.8	261.8	266.5	269.7	274.5	280.8	291.9	317.3	353.8	406.1	460.1
72.5°	218.9	218.9	218.9	223.7	223.7	228.5	234.8	252.3	277.6	318.9	353.8
75°	169.8	171.3	174.5	174.5	176.1	182.4	187.2	192.0	204.7	231.6	263.4
77.5°	128.5	131.7	133.3	130.1	133.3	133.3	139.6	146.0	152.3	160.2	184.0
80°	95.2	96.8	93.6	95.2	95.2	98.4	101.5	99.9	103.1	112.6	119.0
82.5°	63.5	65.0	65.0	65.0	65.0	69.8	69.8	68.2	69.8	71.4	73.0
85°	39.7	38.1	38.1	39.7	38.1	38.1	39.7	41.2	39.7	41.2	42.8
87.5°	17.5	17.5	17.5	17.5	15.9	15.9	17.5	15.9	17.5	15.9	14.3
90°	44.2	43.5	42.8	42.5	41.5	39.5	37.4	35.4	33.4	30.7	28.0
92.5°	41.0	41.0	41.0	41.0	40.0	38.0	35.9	33.9	31.9	29.2	26.5
95°	43.3	43.0	42.7	42.5	41.5	39.5	37.4	35.4	33.4	33.1	32.7
97.5°	41.8	41.5	41.2	41.0	40.2	38.5	36.8	35.1	33.4	68.8	104.2
100°	41.8	41.5	41.2	41.0	43.9	49.6	55.3	61.0	66.7	113.2	159.8
102.5°	44.0	44.0	44.0	44.0	81.9	157.8	233.6	309.5	385.3	381.3	377.2
105°	456.6	468.7	480.8	486.9	485.4	482.4	479.3	476.3	473.3	471.6	469.9
107.5°	581.3	580.0	578.7	578.0	577.2	575.5	573.8	572.1	570.4	568.0	565.7
110°	674.6	673.5	672.5	672.0	671.7	671.0	670.3	669.7	669.0	667.0	665.0

TEST NUMBER: P1032910

CATALOG NUMBER: S124RDIW-B1195D1560UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	766.4	765.0	763.7	763.0	763.2	763.5	763.8	764.2	764.5	763.8	763.2
115°	858.6	858.6	858.6	858.6	858.3	857.6	856.9	856.3	855.6	855.9	856.3
117.5°	951.1	951.1	951.1	951.1	951.3	951.6	951.9	952.3	952.6	951.6	950.6
120°	1038.9	1039.6	1040.3	1040.6	1040.3	1039.6	1038.9	1038.3	1037.6	1037.9	1038.3
122.5°	1123.9	1124.6	1125.3	1125.6	1125.4	1125.1	1124.8	1124.4	1124.1	1123.4	1122.7
125°	1206.8	1206.5	1206.2	1206.0	1205.5	1204.5	1203.4	1202.4	1201.4	1202.1	1202.8
127.5°	1282.5	1282.8	1283.1	1283.3	1283.5	1283.8	1284.1	1284.5	1284.8	1283.1	1281.5
130°	1357.7	1357.7	1357.7	1357.7	1357.5	1357.2	1356.8	1356.5	1356.1	1355.1	1354.1
132.5°	1428.1	1428.5	1428.8	1429.0	1428.8	1428.5	1428.1	1427.8	1427.4	1426.1	1424.7
135°	1495.9	1495.2	1494.5	1494.2	1493.9	1493.2	1492.5	1491.9	1491.2	1489.8	1488.5
137.5°	1557.1	1557.4	1557.7	1557.9	1557.6	1556.9	1556.2	1555.6	1554.9	1553.2	1551.5
140°	1617.9	1617.6	1617.3	1617.1	1616.6	1615.6	1614.5	1613.5	1612.5	1611.8	1611.2
142.5°	1670.2	1670.2	1670.2	1670.2	1669.9	1669.2	1668.5	1667.8	1667.1	1666.8	1666.4
145°	1721.9	1721.2	1720.5	1720.2	1720.0	1719.7	1719.4	1719.0	1718.7	1718.7	1718.7
147.5°	1766.5	1766.2	1765.9	1765.7	1765.5	1765.2	1764.9	1764.5	1764.2	1764.5	1764.9
150°	1809.0	1808.7	1808.4	1808.2	1808.2	1808.2	1808.2	1808.2	1808.2	1808.5	1808.9
152.5°	1846.8	1847.1	1847.4	1847.6	1847.3	1846.6	1845.9	1845.3	1844.6	1845.3	1845.9
155°	1880.0	1881.0	1882.0	1882.5	1881.8	1880.5	1879.2	1877.8	1876.5	1877.5	1878.5
157.5°	1908.7	1910.4	1912.1	1912.9	1912.1	1910.4	1908.7	1907.0	1905.3	1906.6	1908.0
160°	1936.6	1938.7	1940.7	1941.7	1940.7	1938.7	1936.6	1934.6	1932.6	1932.9	1933.3
162.5°	1958.5	1960.9	1963.2	1964.4	1963.4	1961.4	1959.3	1957.3	1955.3	1955.7	1956.0
165°	1979.6	1982.6	1985.7	1987.2	1985.9	1983.2	1980.5	1977.8	1975.1	1975.1	1975.1
167.5°	1995.5	1998.8	2002.2	2003.9	2002.4	1999.3	1996.3	1993.2	1990.2	1990.5	1990.9
170°	2009.1	2012.5	2015.8	2017.5	2016.2	2013.5	2010.8	2008.1	2005.4	2005.1	2004.7
172.5°	2017.3	2021.0	2024.7	2026.6	2025.3	2022.6	2019.9	2017.2	2014.5	2014.2	2013.8
175°	2024.1	2028.1	2032.2	2034.2	2032.7	2029.7	2026.6	2023.6	2020.6	2020.2	2019.9
177.5°	2027.1	2031.2	2035.3	2037.3	2035.9	2033.2	2030.5	2027.8	2025.1	2024.4	2023.8
180°	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2

TEST NUMBER: P1032910

CATALOG NUMBER: S124RDIW-B1195D1560UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8
2.5°	2019.6	2011.7	2006.9	2005.3	1991.1	1983.1	1978.4	1975.2	1970.4	1957.7	1946.6
5°	2095.8	2073.6	2062.4	2049.8	2027.5	2002.2	1981.5	1968.8	1953.0	1927.6	1903.8
7.5°	2167.2	2133.8	2111.6	2094.2	2056.1	2014.8	1981.5	1954.6	1924.4	1889.5	1856.2
10°	2241.7	2187.8	2159.2	2132.3	2076.7	2022.8	1975.2	1935.5	1892.7	1846.7	1810.2
12.5°	2300.4	2229.0	2197.3	2159.2	2091.0	2027.5	1967.3	1913.3	1857.8	1808.6	1756.3
15°	2368.6	2279.8	2243.3	2194.1	2100.5	2018.0	1940.3	1881.6	1824.5	1751.5	1696.0
17.5°	2408.3	2305.2	2252.8	2210.0	2108.5	2008.5	1918.1	1845.1	1778.5	1705.5	1646.8
20°	2448.0	2330.6	2271.9	2211.6	2091.0	1984.7	1889.5	1802.3	1732.5	1653.1	1592.8
22.5°	2460.7	2324.2	2262.3	2206.8	2079.9	1960.9	1851.4	1762.6	1681.7	1602.4	1534.1
25°	2460.7	2322.6	2249.7	2178.3	2045.0	1922.8	1813.4	1716.6	1626.2	1546.8	1478.6
27.5°	2435.3	2290.9	2214.7	2149.7	2011.7	1880.0	1767.4	1661.1	1573.8	1494.5	1416.7
30°	2403.5	2244.9	2168.7	2091.0	1957.7	1832.4	1710.2	1611.9	1519.9	1429.4	1359.6
32.5°	2363.9	2195.7	2111.6	2032.3	1891.1	1761.0	1648.4	1551.6	1464.3	1370.7	1293.0
35°	2306.8	2122.7	2029.1	1959.3	1822.9	1688.0	1580.1	1485.0	1400.9	1304.1	1220.0
37.5°	2233.8	2056.1	1960.9	1875.2	1734.0	1610.3	1508.8	1416.7	1334.2	1245.4	1151.8
40°	2148.1	1962.5	1880.0	1789.6	1640.4	1523.0	1427.8	1345.3	1262.9	1178.8	1088.3
42.5°	2051.3	1867.3	1775.3	1688.0	1545.2	1429.4	1340.6	1266.0	1189.9	1112.1	1015.4
45°	1935.5	1762.6	1673.8	1591.3	1453.2	1334.2	1253.3	1181.9	1116.9	1037.6	951.9
47.5°	1805.4	1654.7	1564.3	1475.4	1340.6	1237.5	1158.1	1097.9	1042.3	963.0	885.3
50°	1678.5	1529.4	1456.4	1366.0	1242.2	1145.5	1064.5	1013.8	970.9	893.2	823.4
52.5°	1518.3	1405.6	1335.8	1258.1	1139.1	1040.7	977.3	932.9	882.1	821.8	759.9
55°	1377.1	1272.4	1216.8	1143.9	1026.5	939.2	885.3	844.0	804.4	750.4	701.2
57.5°	1216.8	1151.8	1096.3	1032.8	917.0	842.4	794.8	759.9	723.4	679.0	639.4
60°	1048.7	1018.5	964.6	913.8	815.5	750.4	710.8	679.0	644.1	607.6	574.3
62.5°	899.5	882.1	850.4	810.7	718.7	663.2	623.5	599.7	574.3	541.0	509.3
65°	758.3	750.4	720.3	691.7	628.3	579.1	544.2	529.9	501.3	475.9	447.4
67.5°	633.0	623.5	606.0	593.3	539.4	493.4	475.9	456.9	433.1	414.1	390.3
70°	506.1	504.5	493.4	477.5	449.0	415.7	398.2	385.5	361.7	347.4	330.0
72.5°	393.5	401.4	391.9	385.5	366.5	342.7	326.8	318.9	299.8	288.7	276.1
75°	293.5	299.8	304.6	293.5	288.7	277.6	263.4	255.4	245.9	230.0	225.3
77.5°	199.9	214.2	214.2	217.3	218.9	212.6	201.5	195.1	184.0	180.9	174.5
80°	131.7	144.4	146.0	149.1	153.9	153.9	146.0	144.4	133.3	131.7	126.9
82.5°	76.2	87.3	93.6	98.4	96.8	103.1	96.8	95.2	88.8	88.8	85.7
85°	41.2	42.8	46.0	49.2	52.4	55.5	55.5	53.9	52.4	50.8	47.6
87.5°	15.9	15.9	17.5	15.9	17.5	20.6	22.2	22.2	20.6	19.0	15.9
90°	25.3	22.6	21.2	19.4	15.7	12.0	8.3	4.6	8.3	12.0	15.7
92.5°	23.8	21.1	19.7	20.0	20.7	21.4	22.1	22.8	22.1	21.4	20.7
95°	32.4	32.1	31.9	37.6	49.1	60.5	72.0	83.4	72.0	60.5	49.1
97.5°	139.6	175.0	192.7	189.0	181.6	174.1	166.7	159.3	166.7	174.1	181.6
100°	206.3	252.8	276.1	273.1	267.0	260.9	254.9	248.8	254.9	260.9	267.0
102.5°	373.2	369.1	367.1	365.1	361.0	357.0	352.9	348.9	352.9	357.0	361.0
105°	468.2	466.5	465.7	464.7	462.7	460.6	458.6	456.6	458.6	460.6	462.7
107.5°	563.3	561.0	559.8	559.3	558.3	557.2	556.2	555.2	556.2	557.2	558.3
110°	662.9	660.9	659.9	659.4	658.4	657.3	656.3	655.3	656.3	657.3	658.4

TEST NUMBER: P1032910

CATALOG NUMBER: S124RDIW-B1195D1560UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	762.5	761.8	761.5	760.5	758.5	756.4	754.4	752.4	754.4	756.4	758.5
115°	856.6	856.9	857.1	856.6	855.6	854.5	853.5	852.5	853.5	854.5	855.6
117.5°	949.6	948.6	948.1	947.4	946.1	944.7	943.4	942.0	943.4	944.7	946.1
120°	1038.6	1038.9	1039.1	1038.4	1037.1	1035.7	1034.4	1033.0	1034.4	1035.7	1037.1
122.5°	1122.0	1121.3	1121.0	1120.7	1120.0	1119.3	1118.7	1118.0	1118.7	1119.3	1120.0
125°	1203.5	1204.2	1204.5	1203.8	1202.5	1201.1	1199.8	1198.4	1199.8	1201.1	1202.5
127.5°	1279.8	1278.1	1277.3	1277.1	1276.8	1276.4	1276.1	1275.7	1276.1	1276.4	1276.8
130°	1353.1	1352.1	1351.6	1351.4	1351.1	1350.8	1350.4	1350.1	1350.4	1350.8	1351.1
132.5°	1423.4	1422.1	1421.4	1421.1	1420.4	1419.7	1419.0	1418.3	1419.0	1419.7	1420.4
135°	1487.1	1485.8	1485.1	1485.3	1485.6	1485.9	1486.3	1486.6	1486.3	1485.9	1485.6
137.5°	1549.8	1548.1	1547.3	1547.3	1547.3	1547.3	1547.3	1547.3	1547.3	1547.3	1547.3
140°	1610.5	1609.8	1609.5	1609.2	1608.5	1607.8	1607.1	1606.4	1607.1	1607.8	1608.5
142.5°	1666.1	1665.8	1665.6	1664.9	1663.6	1662.2	1660.9	1659.5	1660.9	1662.2	1663.6
145°	1718.7	1718.7	1718.7	1718.2	1717.2	1716.1	1715.1	1714.1	1715.1	1716.1	1717.2
147.5°	1765.2	1765.5	1765.7	1764.7	1762.7	1760.6	1758.6	1756.6	1758.6	1760.6	1762.7
150°	1809.2	1809.5	1809.7	1809.0	1807.7	1806.3	1805.0	1803.6	1805.0	1806.3	1807.7
152.5°	1846.6	1847.3	1847.6	1847.1	1846.1	1845.1	1844.1	1843.1	1844.1	1845.1	1846.1
155°	1879.5	1880.5	1881.0	1880.8	1880.5	1880.2	1879.8	1879.5	1879.8	1880.2	1880.5
157.5°	1909.3	1910.6	1911.3	1911.3	1911.3	1911.3	1911.3	1911.3	1911.3	1911.3	1911.3
160°	1933.6	1933.9	1934.1	1934.6	1935.6	1936.7	1937.7	1938.7	1937.7	1936.7	1935.6
162.5°	1956.4	1956.7	1956.9	1957.6	1958.9	1960.2	1961.6	1962.9	1961.6	1960.2	1958.9
165°	1975.1	1975.1	1975.1	1975.9	1977.6	1979.3	1980.9	1982.6	1980.9	1979.3	1977.6
167.5°	1991.2	1991.5	1991.7	1992.5	1994.2	1995.9	1997.6	1999.3	1997.6	1995.9	1994.2
170°	2004.4	2004.1	2003.9	2004.9	2006.9	2009.0	2011.0	2013.0	2011.0	2009.0	2006.9
172.5°	2013.5	2013.2	2013.0	2014.0	2016.0	2018.1	2020.1	2022.1	2020.1	2018.1	2016.0
175°	2019.5	2019.2	2019.0	2020.0	2022.1	2024.1	2026.2	2028.2	2026.2	2024.1	2022.1
177.5°	2023.1	2022.4	2022.1	2023.3	2025.6	2028.0	2030.3	2032.7	2030.3	2028.0	2025.6
180°	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2

TEST NUMBER: P1032910

CATALOG NUMBER: S124RDIW-B1195D1560UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8
2.5°	1937.1	1933.9	1930.8	1918.1	1907.0	1887.9	1872.1	1865.7	1864.1	1865.7	1861.0
5°	1881.6	1880.0	1868.9	1846.7	1826.1	1803.8	1788.0	1772.1	1762.6	1762.6	1751.5
7.5°	1829.2	1818.1	1808.6	1780.0	1756.3	1726.1	1702.3	1688.0	1680.1	1662.6	1662.6
10°	1773.7	1757.8	1745.1	1718.2	1683.3	1653.1	1623.0	1605.5	1591.3	1578.6	1573.8
12.5°	1718.2	1705.5	1681.7	1653.1	1618.2	1580.1	1548.4	1535.7	1502.4	1475.4	1477.0
15°	1665.8	1637.3	1626.2	1584.9	1543.7	1507.2	1461.2	1424.7	1397.7	1380.3	1358.0
17.5°	1607.1	1578.6	1557.9	1523.0	1469.1	1412.0	1367.6	1318.4	1291.4	1261.3	1247.0
20°	1542.1	1518.3	1502.4	1446.9	1381.8	1313.6	1264.4	1234.3	1204.2	1181.9	1169.2
22.5°	1486.5	1456.4	1437.4	1362.8	1291.4	1223.2	1185.1	1159.7	1134.3	1115.3	1109.0
25°	1415.2	1397.7	1351.7	1286.6	1199.4	1153.4	1120.1	1086.7	1072.5	1059.8	1045.5
27.5°	1356.5	1313.6	1281.9	1196.2	1142.3	1089.9	1056.6	1031.2	1013.8	1001.1	990.0
30°	1283.5	1243.8	1199.4	1128.0	1078.8	1029.6	999.5	978.9	959.8	951.9	942.4
32.5°	1207.3	1170.8	1128.0	1070.9	1010.6	972.5	948.7	926.5	913.8	905.9	894.8
35°	1139.1	1093.1	1064.5	1010.6	961.4	918.6	896.4	877.3	863.1	859.9	858.3
37.5°	1066.1	1031.2	1004.3	948.7	907.5	871.0	850.4	829.7	821.8	820.2	813.9
40°	1002.7	972.5	947.1	894.8	850.4	817.0	801.2	788.5	780.6	780.6	779.0
42.5°	947.1	915.4	890.0	842.4	802.8	772.6	755.2	742.5	739.3	740.9	739.3
45°	885.3	858.3	832.9	783.7	750.4	728.2	709.2	702.8	698.1	699.6	701.2
47.5°	826.6	804.4	779.0	739.3	701.2	677.4	666.3	660.0	660.0	660.0	663.2
50°	774.2	748.8	726.6	685.4	650.5	631.4	621.9	614.0	615.6	617.1	618.7
52.5°	712.3	690.1	674.3	633.0	607.6	583.8	572.7	574.3	572.7	572.7	575.9
55°	658.4	636.2	620.3	582.2	556.9	541.0	531.5	526.7	528.3	525.1	531.5
57.5°	598.1	579.1	568.0	531.5	509.3	495.0	487.1	479.1	482.3	480.7	479.1
60°	545.8	523.5	506.1	480.7	461.7	444.2	439.5	431.5	434.7	431.5	429.9
62.5°	485.5	468.0	455.3	429.9	414.1	399.8	388.7	383.9	382.3	377.6	372.8
65°	425.2	415.7	403.0	377.6	361.7	350.6	344.3	339.5	337.9	325.2	311.0
67.5°	369.7	363.3	350.6	331.6	317.3	306.2	296.7	288.7	279.2	269.7	261.8
70°	317.3	307.8	299.8	282.4	269.7	258.6	249.1	239.6	234.8	225.3	222.1
72.5°	266.5	257.0	249.1	233.2	222.1	211.0	207.8	196.7	192.0	190.4	190.4
75°	214.2	206.2	201.5	187.2	177.7	169.8	165.0	161.8	158.6	155.5	150.7
77.5°	163.4	158.6	155.5	146.0	138.0	133.3	131.7	120.6	117.4	114.2	111.1
80°	119.0	117.4	114.2	106.3	103.1	92.0	92.0	88.8	87.3	87.3	87.3
82.5°	80.9	77.7	76.2	68.2	66.6	65.0	63.5	61.9	63.5	61.9	63.5
85°	42.8	41.2	39.7	39.7	39.7	39.7	39.7	39.7	39.7	38.1	39.7
87.5°	15.9	15.9	15.9	15.9	14.3	15.9	15.9	14.3	15.9	15.9	15.9
90°	19.4	21.2	22.6	25.3	28.0	30.7	33.4	35.4	37.4	39.5	41.5
92.5°	20.0	19.7	21.1	23.8	26.5	29.2	31.9	33.9	35.9	38.0	40.0
95°	37.6	31.9	32.1	32.4	32.7	33.1	33.4	35.4	37.4	39.5	41.5
97.5°	189.0	192.7	175.0	139.6	104.2	68.8	33.4	35.1	36.8	38.5	40.2
100°	273.1	276.1	252.8	206.3	159.8	113.2	66.7	61.0	55.3	49.6	43.9
102.5°	365.1	367.1	369.1	373.2	377.2	381.3	385.3	309.5	233.6	157.8	81.9
105°	464.7	465.7	466.5	468.2	469.9	471.6	473.3	476.3	479.3	482.4	485.4
107.5°	559.3	559.8	561.0	563.3	565.7	568.0	570.4	572.1	573.8	575.5	577.2
110°	659.4	659.9	660.9	662.9	665.0	667.0	669.0	669.7	670.3	671.0	671.7

TEST NUMBER: P1032910

CATALOG NUMBER: S124RDIW-B1195D1560UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	760.5	761.5	761.8	762.5	763.2	763.8	764.5	764.2	763.8	763.5	763.2
115°	856.6	857.1	856.9	856.6	856.3	855.9	855.6	856.3	856.9	857.6	858.3
117.5°	947.4	948.1	948.6	949.6	950.6	951.6	952.6	952.3	951.9	951.6	951.3
120°	1038.4	1039.1	1038.9	1038.6	1038.3	1037.9	1037.6	1038.3	1038.9	1039.6	1040.3
122.5°	1120.7	1121.0	1121.3	1122.0	1122.7	1123.4	1124.1	1124.4	1124.8	1125.1	1125.4
125°	1203.8	1204.5	1204.2	1203.5	1202.8	1202.1	1201.4	1202.4	1203.4	1204.5	1205.5
127.5°	1277.1	1277.3	1278.1	1279.8	1281.5	1283.1	1284.8	1284.5	1284.1	1283.8	1283.5
130°	1351.4	1351.6	1352.1	1353.1	1354.1	1355.1	1356.1	1356.5	1356.8	1357.2	1357.5
132.5°	1421.1	1421.4	1422.1	1423.4	1424.7	1426.1	1427.4	1427.8	1428.1	1428.5	1428.8
135°	1485.3	1485.1	1485.8	1487.1	1488.5	1489.8	1491.2	1491.9	1492.5	1493.2	1493.9
137.5°	1547.3	1547.3	1548.1	1549.8	1551.5	1553.2	1554.9	1555.6	1556.2	1556.9	1557.6
140°	1609.2	1609.5	1609.8	1610.5	1611.2	1611.8	1612.5	1613.5	1614.5	1615.6	1616.6
142.5°	1664.9	1665.6	1665.8	1666.1	1666.4	1666.8	1667.1	1667.8	1668.5	1669.2	1669.9
145°	1718.2	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1719.0	1719.4	1719.7	1720.0
147.5°	1764.7	1765.7	1765.5	1765.2	1764.9	1764.5	1764.2	1764.5	1764.9	1765.2	1765.5
150°	1809.0	1809.7	1809.5	1809.2	1808.9	1808.5	1808.2	1808.2	1808.2	1808.2	1808.2
152.5°	1847.1	1847.6	1847.3	1846.6	1845.9	1845.3	1844.6	1845.3	1845.9	1846.6	1847.3
155°	1880.8	1881.0	1880.5	1879.5	1878.5	1877.5	1876.5	1877.8	1879.2	1880.5	1881.8
157.5°	1911.3	1911.3	1910.6	1909.3	1908.0	1906.6	1905.3	1907.0	1908.7	1910.4	1912.1
160°	1934.6	1934.1	1933.9	1933.6	1933.3	1932.9	1932.6	1934.6	1936.6	1938.7	1940.7
162.5°	1957.6	1956.9	1956.7	1956.4	1956.0	1955.7	1955.3	1957.3	1959.3	1961.4	1963.4
165°	1975.9	1975.1	1975.1	1975.1	1975.1	1975.1	1975.1	1977.8	1980.5	1983.2	1985.9
167.5°	1992.5	1991.7	1991.5	1991.2	1990.9	1990.5	1990.2	1993.2	1996.3	1999.3	2002.4
170°	2004.9	2003.9	2004.1	2004.4	2004.7	2005.1	2005.4	2008.1	2010.8	2013.5	2016.2
172.5°	2014.0	2013.0	2013.2	2013.5	2013.8	2014.2	2014.5	2017.2	2019.9	2022.6	2025.3
175°	2020.0	2019.0	2019.2	2019.5	2019.9	2020.2	2020.6	2023.6	2026.6	2029.7	2032.7
177.5°	2023.3	2022.1	2022.4	2023.1	2023.8	2024.4	2025.1	2027.8	2030.5	2033.2	2035.9
180°	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2

TEST NUMBER: P1032910

CATALOG NUMBER: S124RDIW-B1195D1560UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8
2.5°	1861.0	1867.3	1859.4	1864.1	1853.0	1851.4	1853.0	1853.0	1854.6	1856.2	1857.8
5°	1756.3	1754.7	1745.1	1738.8	1734.0	1738.8	1742.0	1745.1	1742.0	1745.1	1746.7
7.5°	1657.9	1653.1	1648.4	1637.3	1640.4	1637.3	1646.8	1642.0	1642.0	1650.0	1656.3
10°	1570.6	1561.1	1557.9	1545.2	1535.7	1534.1	1545.2	1550.0	1554.8	1557.9	1570.6
12.5°	1458.0	1443.7	1432.6	1437.4	1410.4	1421.5	1424.7	1418.3	1437.4	1459.6	1446.9
15°	1337.4	1339.0	1316.8	1308.9	1286.6	1293.0	1294.6	1310.4	1326.3	1324.7	1343.8
17.5°	1248.6	1239.1	1220.0	1218.4	1208.9	1213.7	1212.1	1224.8	1220.0	1227.9	1243.8
20°	1166.1	1159.7	1143.9	1137.5	1140.7	1137.5	1139.1	1140.7	1145.5	1162.9	1159.7
22.5°	1101.0	1093.1	1093.1	1085.2	1075.6	1072.5	1080.4	1085.2	1091.5	1094.7	1102.6
25°	1043.9	1037.6	1029.6	1024.9	1016.9	1018.5	1023.3	1029.6	1034.4	1040.7	1047.1
27.5°	985.2	985.2	977.3	975.7	972.5	970.9	977.3	980.5	980.5	985.2	991.6
30°	939.2	939.2	931.3	929.7	928.1	928.1	932.9	934.4	936.0	940.8	944.0
32.5°	894.8	893.2	890.0	891.6	890.0	891.6	891.6	893.2	896.4	898.0	904.3
35°	853.5	855.1	851.9	851.9	850.4	851.9	855.1	856.7	858.3	861.5	861.5
37.5°	813.9	817.0	815.5	820.2	820.2	820.2	820.2	823.4	823.4	823.4	821.8
40°	779.0	779.0	777.4	780.6	783.7	783.7	785.3	785.3	786.9	786.9	785.3
42.5°	739.3	742.5	747.2	748.8	752.0	750.4	755.2	753.6	755.2	752.0	748.8
45°	702.8	702.8	709.2	715.5	717.1	717.1	717.1	720.3	717.1	712.3	710.8
47.5°	663.2	666.3	669.5	677.4	679.0	679.0	679.0	679.0	675.8	675.8	675.8
50°	623.5	625.1	626.7	629.8	634.6	633.0	633.0	633.0	639.4	633.0	634.6
52.5°	575.9	577.5	579.1	585.4	583.8	583.8	585.4	585.4	590.2	588.6	585.4
55°	528.3	528.3	531.5	531.5	531.5	534.6	536.2	539.4	537.8	539.4	541.0
57.5°	480.7	477.5	475.9	475.9	480.7	479.1	480.7	480.7	487.1	490.2	491.8
60°	425.2	425.2	423.6	414.1	414.1	412.5	417.2	420.4	423.6	437.9	436.3
62.5°	368.1	361.7	355.4	357.0	347.4	352.2	349.0	352.2	361.7	372.8	374.4
65°	311.0	306.2	299.8	298.3	295.1	299.8	298.3	299.8	304.6	311.0	318.9
67.5°	260.2	258.6	255.4	253.8	253.8	253.8	257.0	257.0	258.6	263.4	268.1
70°	222.1	220.5	222.1	218.9	220.5	218.9	220.5	222.1	223.7	225.3	230.0
72.5°	187.2	187.2	187.2	184.0	187.2	185.6	185.6	187.2	188.8	190.4	193.6
75°	149.1	146.0	142.8	139.6	138.0	141.2	142.8	141.2	146.0	152.3	152.3
77.5°	112.6	111.1	111.1	111.1	112.6	111.1	114.2	112.6	114.2	114.2	117.4
80°	87.3	85.7	87.3	87.3	85.7	88.8	87.3	87.3	88.8	90.4	88.8
82.5°	63.5	65.0	63.5	63.5	63.5	66.6	63.5	63.5	63.5	65.0	65.0
85°	39.7	39.7	39.7	39.7	41.2	39.7	41.2	39.7	42.8	41.2	41.2
87.5°	14.3	15.9	17.5	17.5	17.5	17.5	15.9	17.5	19.0	17.5	19.0
90°	42.5	42.8	43.5	44.2	44.8	45.5	44.8	44.2	43.5	42.8	42.5
92.5°	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
95°	42.5	42.7	43.0	43.3	43.7	44.0	43.7	43.3	43.0	42.7	42.5
97.5°	41.0	41.2	41.5	41.8	42.2	42.5	42.2	41.8	41.5	41.2	41.0
100°	41.0	41.2	41.5	41.8	42.2	42.5	42.2	41.8	41.5	41.2	41.0
102.5°	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
105°	486.9	480.8	468.7	456.6	444.4	432.3	444.4	456.6	468.7	480.8	486.9
107.5°	578.0	578.7	580.0	581.3	582.7	584.0	582.7	581.3	580.0	578.7	578.0
110°	672.0	672.5	673.5	674.6	675.6	676.6	675.6	674.6	673.5	672.5	672.0

TEST NUMBER: P1032910

CATALOG NUMBER: S124RDIW-B1195D1560UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	763.0	763.7	765.0	766.4	767.7	769.1	767.7	766.4	765.0	763.7	763.0
115°	858.6	858.6	858.6	858.6	858.6	858.6	858.6	858.6	858.6	858.6	858.6
117.5°	951.1	951.1	951.1	951.1	951.1	951.1	951.1	951.1	951.1	951.1	951.1
120°	1040.6	1040.3	1039.6	1038.9	1038.3	1037.6	1038.3	1038.9	1039.6	1040.3	1040.6
122.5°	1125.6	1125.3	1124.6	1123.9	1123.2	1122.5	1123.2	1123.9	1124.6	1125.3	1125.6
125°	1206.0	1206.2	1206.5	1206.8	1207.2	1207.5	1207.2	1206.8	1206.5	1206.2	1206.0
127.5°	1283.3	1283.1	1282.8	1282.5	1282.1	1281.8	1282.1	1282.5	1282.8	1283.1	1283.3
130°	1357.7	1357.7	1357.7	1357.7	1357.7	1357.7	1357.7	1357.7	1357.7	1357.7	1357.7
132.5°	1429.0	1428.8	1428.5	1428.1	1427.8	1427.4	1427.8	1428.1	1428.5	1428.8	1429.0
135°	1494.2	1494.5	1495.2	1495.9	1496.5	1497.2	1496.5	1495.9	1495.2	1494.5	1494.2
137.5°	1557.9	1557.7	1557.4	1557.1	1556.7	1556.4	1556.7	1557.1	1557.4	1557.7	1557.9
140°	1617.1	1617.3	1617.6	1617.9	1618.3	1618.6	1618.3	1617.9	1617.6	1617.3	1617.1
142.5°	1670.2	1670.2	1670.2	1670.2	1670.2	1670.2	1670.2	1670.2	1670.2	1670.2	1670.2
145°	1720.2	1720.5	1721.2	1721.9	1722.5	1723.2	1722.5	1721.9	1721.2	1720.5	1720.2
147.5°	1765.7	1765.9	1766.2	1766.5	1766.9	1767.2	1766.9	1766.5	1766.2	1765.9	1765.7
150°	1808.2	1808.4	1808.7	1809.0	1809.4	1809.7	1809.4	1809.0	1808.7	1808.4	1808.2
152.5°	1847.6	1847.4	1847.1	1846.8	1846.4	1846.1	1846.4	1846.8	1847.1	1847.4	1847.6
155°	1882.5	1882.0	1881.0	1880.0	1879.0	1878.0	1879.0	1880.0	1881.0	1882.0	1882.5
157.5°	1912.9	1912.1	1910.4	1908.7	1907.0	1905.3	1907.0	1908.7	1910.4	1912.1	1912.9
160°	1941.7	1940.7	1938.7	1936.6	1934.6	1932.6	1934.6	1936.6	1938.7	1940.7	1941.7
162.5°	1964.4	1963.2	1960.9	1958.5	1956.2	1953.8	1956.2	1958.5	1960.9	1963.2	1964.4
165°	1987.2	1985.7	1982.6	1979.6	1976.5	1973.5	1976.5	1979.6	1982.6	1985.7	1987.2
167.5°	2003.9	2002.2	1998.8	1995.5	1992.1	1988.7	1992.1	1995.5	1998.8	2002.2	2003.9
170°	2017.5	2015.8	2012.5	2009.1	2005.8	2002.4	2005.8	2009.1	2012.5	2015.8	2017.5
172.5°	2026.6	2024.7	2021.0	2017.3	2013.6	2009.9	2013.6	2017.3	2021.0	2024.7	2026.6
175°	2034.2	2032.2	2028.1	2024.1	2020.0	2016.0	2020.0	2024.1	2028.1	2032.2	2034.2
177.5°	2037.3	2035.3	2031.2	2027.1	2023.1	2019.0	2023.1	2027.1	2031.2	2035.3	2037.3
180°	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2

TEST NUMBER: P1032910

CATALOG NUMBER: S124RDIW-B1195D1560UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8	1968.8
2.5°	1864.1	1872.1	1868.9	1857.8	1862.5	1872.1	1881.6	1894.3	1902.2	1908.6	1911.7
5°	1754.7	1768.9	1765.8	1765.8	1772.1	1788.0	1803.8	1830.8	1840.3	1851.4	1867.3
7.5°	1657.9	1669.0	1678.5	1681.7	1691.2	1711.8	1732.5	1762.6	1786.4	1799.1	1808.6
10°	1572.2	1580.1	1594.4	1602.4	1611.9	1637.3	1667.4	1699.1	1722.9	1745.1	1757.8
12.5°	1462.7	1494.5	1513.5	1526.2	1538.9	1577.0	1600.8	1635.7	1664.2	1684.9	1703.9
15°	1340.6	1378.7	1389.8	1439.0	1470.7	1500.8	1537.3	1578.6	1605.5	1629.3	1654.7
17.5°	1237.5	1264.4	1277.1	1329.5	1356.5	1404.0	1456.4	1508.8	1550.0	1567.5	1592.8
20°	1172.4	1186.7	1212.1	1229.5	1258.1	1313.6	1370.7	1434.2	1496.1	1513.5	1538.9
22.5°	1105.8	1124.8	1142.3	1166.1	1188.3	1226.4	1283.5	1353.3	1419.9	1451.6	1481.8
25°	1045.5	1064.5	1075.6	1101.0	1121.7	1159.7	1199.4	1270.8	1350.1	1377.1	1424.7
27.5°	997.9	1009.0	1028.0	1039.2	1063.0	1097.9	1134.3	1188.3	1266.0	1312.0	1358.0
30°	950.3	958.2	974.1	990.0	1007.4	1031.2	1072.5	1124.8	1196.2	1235.9	1281.9
32.5°	902.7	915.4	924.9	936.0	955.1	983.6	1012.2	1063.0	1120.1	1164.5	1210.5
35°	863.1	867.8	880.5	893.2	905.9	931.3	961.4	1010.6	1061.4	1096.3	1137.5
37.5°	820.2	828.2	837.7	842.4	863.1	878.9	910.6	948.7	1009.0	1031.2	1072.5
40°	786.9	785.3	794.8	802.8	812.3	837.7	856.7	898.0	945.6	980.5	1005.8
42.5°	745.7	745.7	748.8	758.3	771.0	786.9	809.1	844.0	893.2	918.6	948.7
45°	712.3	707.6	709.2	715.5	723.4	739.3	761.5	791.7	840.8	861.5	893.2
47.5°	672.7	667.9	667.9	674.3	680.6	691.7	709.2	744.1	783.7	810.7	834.5
50°	628.3	629.8	628.3	633.0	636.2	647.3	666.3	694.9	731.4	753.6	780.6
52.5°	587.0	583.8	582.2	585.4	591.8	599.7	620.3	645.7	680.6	702.8	726.6
55°	536.2	539.4	539.4	539.4	548.9	552.1	568.0	593.3	628.3	645.7	667.9
57.5°	490.2	488.6	491.8	490.2	498.2	509.3	522.0	541.0	575.9	593.3	614.0
60°	439.5	441.0	442.6	442.6	449.0	460.1	474.4	491.8	520.4	537.8	556.9
62.5°	377.6	385.5	393.5	396.6	406.1	414.1	423.6	442.6	468.0	480.7	498.2
65°	318.9	330.0	341.1	349.0	355.4	363.3	376.0	393.5	414.1	426.8	444.2
67.5°	268.1	276.1	290.3	298.3	311.0	320.5	328.4	342.7	368.1	372.8	387.1
70°	231.6	234.8	241.1	247.5	261.8	269.7	279.2	293.5	312.5	323.6	331.6
72.5°	195.1	196.7	199.9	206.2	212.6	222.1	233.2	245.9	263.4	268.1	279.2
75°	155.5	165.0	165.0	169.8	174.5	179.3	188.8	201.5	212.6	220.5	226.9
77.5°	115.8	120.6	123.7	131.7	138.0	142.8	149.1	158.6	165.0	171.3	176.1
80°	90.4	92.0	93.6	93.6	96.8	103.1	109.5	115.8	123.7	126.9	131.7
82.5°	66.6	66.6	66.6	69.8	71.4	73.0	73.0	76.2	84.1	87.3	92.0
85°	42.8	42.8	42.8	42.8	44.4	46.0	47.6	49.2	49.2	49.2	52.4
87.5°	17.5	20.6	19.0	20.6	20.6	20.6	20.6	22.2	22.2	23.8	23.8
90°	41.5	39.5	37.4	35.4	33.4	30.7	28.0	25.3	22.6	21.2	19.4
92.5°	40.0	38.0	35.9	33.9	31.9	29.2	26.5	23.8	21.1	19.7	20.0
95°	41.5	39.5	37.4	35.4	33.4	33.1	32.7	32.4	32.1	31.9	37.6
97.5°	40.2	38.5	36.8	35.1	33.4	68.8	104.2	139.6	175.0	192.7	189.0
100°	43.9	49.6	55.3	61.0	66.7	113.2	159.8	206.3	252.8	276.1	273.1
102.5°	81.9	157.8	233.6	309.5	385.3	381.3	377.2	373.2	369.1	367.1	365.1
105°	485.4	482.4	479.3	476.3	473.3	471.6	469.9	468.2	466.5	465.7	464.7
107.5°	577.2	575.5	573.8	572.1	570.4	568.0	565.7	563.3	561.0	559.8	559.3
110°	671.7	671.0	670.3	669.7	669.0	667.0	665.0	662.9	660.9	659.9	659.4

TEST NUMBER: P1032910

CATALOG NUMBER: S124RDIW-B1195D1560UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	763.2	763.5	763.8	764.2	764.5	763.8	763.2	762.5	761.8	761.5	760.5
115°	858.3	857.6	856.9	856.3	855.6	855.9	856.3	856.6	856.9	857.1	856.6
117.5°	951.3	951.6	951.9	952.3	952.6	951.6	950.6	949.6	948.6	948.1	947.4
120°	1040.3	1039.6	1038.9	1038.3	1037.6	1037.9	1038.3	1038.6	1038.9	1039.1	1038.4
122.5°	1125.4	1125.1	1124.8	1124.4	1124.1	1123.4	1122.7	1122.0	1121.3	1121.0	1120.7
125°	1205.5	1204.5	1203.4	1202.4	1201.4	1202.1	1202.8	1203.5	1204.2	1204.5	1203.8
127.5°	1283.5	1283.8	1284.1	1284.5	1284.8	1283.1	1281.5	1279.8	1278.1	1277.3	1277.1
130°	1357.5	1357.2	1356.8	1356.5	1356.1	1355.1	1354.1	1353.1	1352.1	1351.6	1351.4
132.5°	1428.8	1428.5	1428.1	1427.8	1427.4	1426.1	1424.7	1423.4	1422.1	1421.4	1421.1
135°	1493.9	1493.2	1492.5	1491.9	1491.2	1489.8	1488.5	1487.1	1485.8	1485.1	1485.3
137.5°	1557.6	1556.9	1556.2	1555.6	1554.9	1553.2	1551.5	1549.8	1548.1	1547.3	1547.3
140°	1616.6	1615.6	1614.5	1613.5	1612.5	1611.8	1611.2	1610.5	1609.8	1609.5	1609.2
142.5°	1669.9	1669.2	1668.5	1667.8	1667.1	1666.8	1666.4	1666.1	1665.8	1665.6	1664.9
145°	1720.0	1719.7	1719.4	1719.0	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.2
147.5°	1765.5	1765.2	1764.9	1764.5	1764.2	1764.5	1764.9	1765.2	1765.5	1765.7	1764.7
150°	1808.2	1808.2	1808.2	1808.2	1808.2	1808.5	1808.9	1809.2	1809.5	1809.7	1809.0
152.5°	1847.3	1846.6	1845.9	1845.3	1844.6	1845.3	1845.9	1846.6	1847.3	1847.6	1847.1
155°	1881.8	1880.5	1879.2	1877.8	1876.5	1877.5	1878.5	1879.5	1880.5	1881.0	1880.8
157.5°	1912.1	1910.4	1908.7	1907.0	1905.3	1906.6	1908.0	1909.3	1910.6	1911.3	1911.3
160°	1940.7	1938.7	1936.6	1934.6	1932.6	1932.9	1933.3	1933.6	1933.9	1934.1	1934.6
162.5°	1963.4	1961.4	1959.3	1957.3	1955.3	1955.7	1956.0	1956.4	1956.7	1956.9	1957.6
165°	1985.9	1983.2	1980.5	1977.8	1975.1	1975.1	1975.1	1975.1	1975.1	1975.1	1975.9
167.5°	2002.4	1999.3	1996.3	1993.2	1990.2	1990.5	1990.9	1991.2	1991.5	1991.7	1992.5
170°	2016.2	2013.5	2010.8	2008.1	2005.4	2005.1	2004.7	2004.4	2004.1	2003.9	2004.9
172.5°	2025.3	2022.6	2019.9	2017.2	2014.5	2014.2	2013.8	2013.5	2013.2	2013.0	2014.0
175°	2032.7	2029.7	2026.6	2023.6	2020.6	2020.2	2019.9	2019.5	2019.2	2019.0	2020.0
177.5°	2035.9	2033.2	2030.5	2027.8	2025.1	2024.4	2023.8	2023.1	2022.4	2022.1	2023.3
180°	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2	2028.2

TEST NUMBER: P1032910

CATALOG NUMBER: S124RDIW-B1195D1560UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1968.8	1968.8	1968.8	1968.8
2.5°	1924.4	1933.9	1949.8	1972.0
5°	1880.0	1907.0	1932.4	1965.7
7.5°	1840.3	1872.1	1907.0	1954.6
10°	1794.3	1834.0	1878.4	1937.1
12.5°	1740.4	1795.9	1846.7	1910.1
15°	1700.7	1742.0	1807.0	1881.6
17.5°	1645.2	1700.7	1765.8	1849.9
20°	1592.8	1651.5	1724.5	1811.8
22.5°	1537.3	1603.9	1676.9	1770.5
25°	1480.2	1551.6	1624.6	1724.5
27.5°	1427.8	1492.9	1575.4	1676.9
30°	1364.4	1439.0	1518.3	1624.6
32.5°	1302.5	1380.3	1461.2	1567.5
35°	1235.9	1313.6	1402.5	1504.0
37.5°	1170.8	1256.5	1337.4	1435.8
40°	1099.4	1188.3	1272.4	1372.3
42.5°	1029.6	1121.7	1205.7	1291.4
45°	964.6	1055.0	1131.2	1212.1
47.5°	902.7	983.6	1061.4	1134.3
50°	842.4	910.6	982.0	1042.3
52.5°	779.0	844.0	901.1	955.1
55°	721.9	772.6	823.4	872.6
57.5°	653.6	704.4	748.8	786.9
60°	596.5	628.3	671.1	710.8
62.5°	531.5	568.0	601.3	626.7
65°	468.0	499.7	525.1	547.3
67.5°	414.1	433.1	452.2	475.9
70°	349.0	364.9	387.1	404.6
72.5°	293.5	306.2	317.3	337.9
75°	238.0	249.1	255.4	274.5
77.5°	184.0	195.1	199.9	211.0
80°	141.2	142.8	149.1	158.6
82.5°	96.8	99.9	101.5	109.5
85°	55.5	63.5	61.9	65.0
87.5°	23.8	25.4	28.6	31.7
90°	15.7	12.0	8.3	4.6
92.5°	20.7	21.4	22.1	22.8
95°	49.1	60.5	72.0	83.4
97.5°	181.6	174.1	166.7	159.3
100°	267.0	260.9	254.9	248.8
102.5°	361.0	357.0	352.9	348.9
105°	462.7	460.6	458.6	456.6
107.5°	558.3	557.2	556.2	555.2
110°	658.4	657.3	656.3	655.3

TEST NUMBER: P1032910

CATALOG NUMBER: S124RDIW-B1195D1560UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	758.5	756.4	754.4	752.4
115°	855.6	854.5	853.5	852.5
117.5°	946.1	944.7	943.4	942.0
120°	1037.1	1035.7	1034.4	1033.0
122.5°	1120.0	1119.3	1118.7	1118.0
125°	1202.5	1201.1	1199.8	1198.4
127.5°	1276.8	1276.4	1276.1	1275.7
130°	1351.1	1350.8	1350.4	1350.1
132.5°	1420.4	1419.7	1419.0	1418.3
135°	1485.6	1485.9	1486.3	1486.6
137.5°	1547.3	1547.3	1547.3	1547.3
140°	1608.5	1607.8	1607.1	1606.4
142.5°	1663.6	1662.2	1660.9	1659.5
145°	1717.2	1716.1	1715.1	1714.1
147.5°	1762.7	1760.6	1758.6	1756.6
150°	1807.7	1806.3	1805.0	1803.6
152.5°	1846.1	1845.1	1844.1	1843.1
155°	1880.5	1880.2	1879.8	1879.5
157.5°	1911.3	1911.3	1911.3	1911.3
160°	1935.6	1936.7	1937.7	1938.7
162.5°	1958.9	1960.2	1961.6	1962.9
165°	1977.6	1979.3	1980.9	1982.6
167.5°	1994.2	1995.9	1997.6	1999.3
170°	2006.9	2009.0	2011.0	2013.0
172.5°	2016.0	2018.1	2020.1	2022.1
175°	2022.1	2024.1	2026.2	2028.2
177.5°	2025.6	2028.0	2030.3	2032.7
180°	2028.2	2028.2	2028.2	2028.2

(END OF REPORT)