

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: P1034720

Luminaire Tested: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_2700K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1034720
REPORT IS A COMBINATION OF REPORTS P1006059 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_2700K
Description: Define 5 Regressed Direct/Indirect Wall Mount with 2700K BioUP LEDs {m-DER=0.473}
{m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

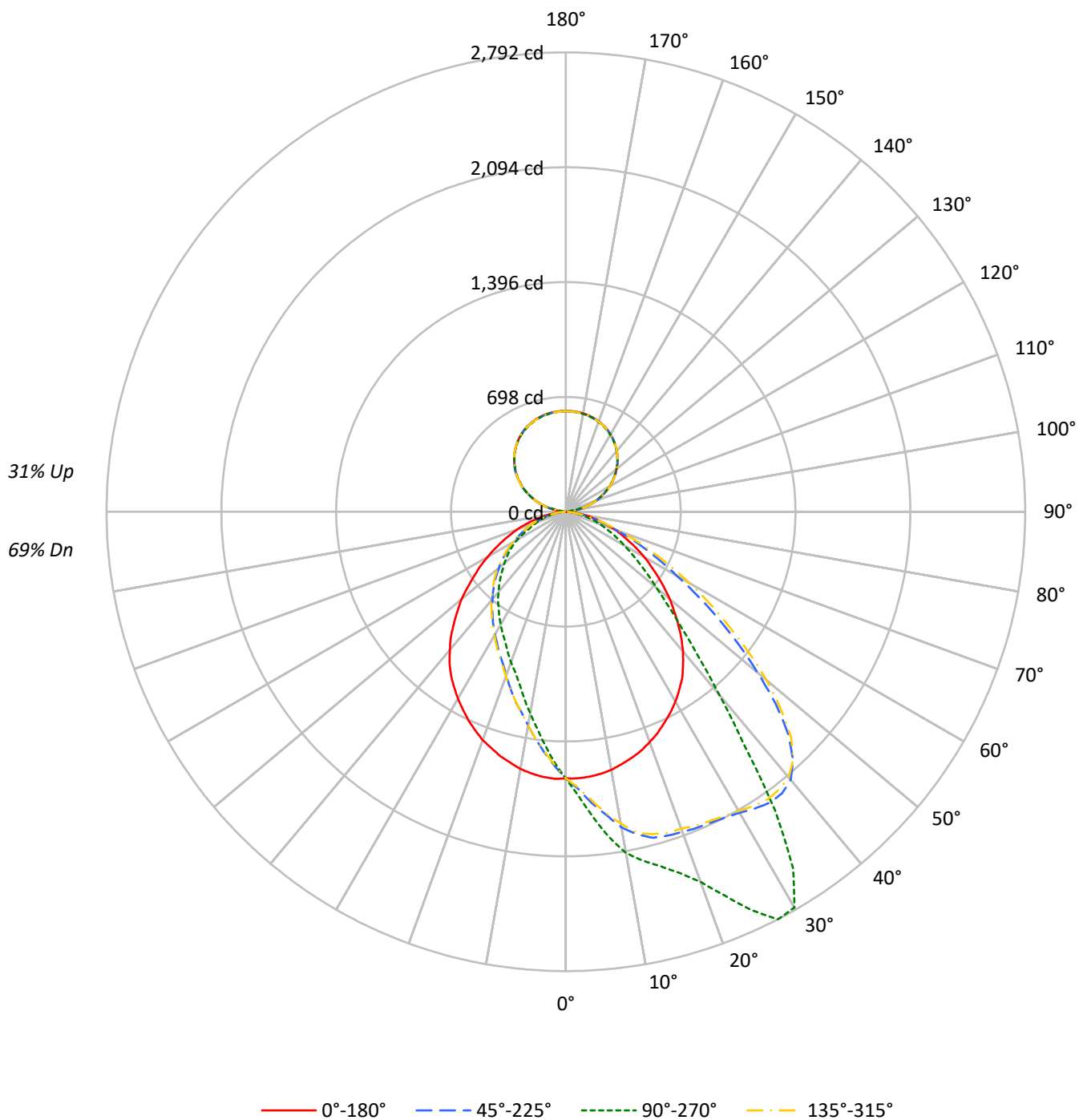
Lumens per Lamp: N/A
Luminaire Lumens: 6078.0 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.4 / 1.47
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 60
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	112	112	112	112	105	105	105	105	94	94	94	83	83	83	74	74	74
1	103	98	95	91	97	93	90	87	83	81	79	74	73	71	66	65	63
2	94	87	81	76	89	82	77	72	74	70	66	66	63	60	59	56	54
3	86	77	69	64	81	73	66	61	66	60	56	59	55	51	53	49	47
4	79	68	60	54	74	65	58	52	59	53	48	53	48	44	47	44	41
5	73	61	53	47	69	58	51	45	53	47	42	48	43	39	43	39	36
6	67	55	47	41	63	52	45	40	48	42	37	43	38	34	39	35	32
7	62	50	42	36	59	48	40	35	43	37	33	39	34	30	36	31	28
8	58	45	38	32	55	43	36	31	40	34	29	36	31	27	33	29	25
9	54	42	34	29	51	40	33	28	36	30	26	33	28	25	30	26	23
10	51	38	31	26	48	37	30	25	34	28	24	31	26	22	28	24	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10382	10382	10382	10382
5°	10373	11701	10373	8994
10°	10315	13149	10280	7775
15°	10203	13911	10133	6769
20°	10068	15017	9978	6118
25°	9891	16997	9780	5553
30°	9712	18067	9566	5149
35°	9480	14858	9347	4771
40°	9067	10090	8991	4433
45°	8526	7253	8515	4099
50°	7971	5578	8010	3791
55°	7346	4536	7332	3494
60°	6765	3717	6732	3102
65°	6087	3097	6125	2497
70°	5527	2486	5504	2079
75°	4669	1884	4669	1709
80°	3784	1149	3739	1149
85°	2664	604	2584	683

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 14778 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.4	2.6
10°-20°	455.5	7.5
20°-30°	722.3	11.9
30°-40°	872.8	14.4
40°-50°	777.1	12.8
50°-60°	595.9	9.8
60°-70°	387.0	6.4
70°-80°	187.8	3.1
80°-90°	45.1	0.7
90°-100°	20.8	0.3
100°-110°	138.1	2.3
110°-120°	248.6	4.1
120°-130°	319.1	5.3
130°-140°	343.2	5.6
140°-150°	322.1	5.3
150°-160°	260.6	4.3
160°-170°	168.5	2.8
170°-180°	58.1	1.0
0°-30°	1333.2	21.9
0°-40°	2206.0	36.3
0°-60°	3579.0	58.9
0°-90°	4198.9	69.1
90°-120°	407.4	6.7
90°-150°	1391.9	22.9
90°-180°	1879.0	30.9
0°-180°	6078.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1620	1620	1620	1620	1620	
5°	1616	1857	1616	1428	1616	154
15°	1548	2231	1538	1086	1548	437
25°	1416	2671	1400	873	1416	652
35°	1233	2216	1216	712	1233	768
45°	964	991	963	560	964	744
55°	681	544	680	419	681	610
65°	423	309	426	249	423	423
75°	206	144	206	130	206	221
85°	47	31	45	35	47	53
90°	0	11	0	11	0	4
95°	26	10	26	10	26	32
105°	133	135	133	135	133	141
115°	250	248	250	248	250	248
125°	356	356	356	356	356	318
135°	444	442	444	442	444	342
145°	515	513	515	513	515	322
155°	567	563	567	563	567	261
165°	598	595	598	595	598	169
175°	612	609	612	609	612	58
180°	612	612	612	612	612	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4
2.5°	1621.7	1635.0	1639.0	1649.6	1661.6	1664.3	1670.9	1680.2	1685.5	1684.2	1684.2
5°	1616.4	1639.0	1654.9	1673.6	1696.2	1705.5	1713.5	1733.4	1749.4	1758.7	1774.7
7.5°	1607.0	1640.3	1666.9	1694.9	1729.4	1745.4	1762.7	1790.6	1819.9	1838.5	1855.8
10°	1592.4	1635.0	1672.2	1713.5	1760.0	1784.0	1805.3	1847.8	1883.8	1907.7	1947.6
12.5°	1571.1	1624.3	1676.2	1730.8	1789.3	1814.6	1843.8	1890.4	1941.0	1975.6	2008.8
15°	1548.5	1612.4	1668.2	1733.4	1803.9	1842.5	1879.8	1929.0	1974.2	2012.8	2051.4
17.5°	1521.9	1589.8	1658.9	1733.4	1813.3	1851.8	1883.8	1942.3	1990.2	2028.8	2063.4
20°	1490.0	1565.8	1644.3	1726.8	1807.9	1843.8	1874.4	1938.3	1980.9	2022.1	2071.3
22.5°	1455.4	1537.9	1621.7	1702.8	1782.7	1821.2	1857.2	1913.0	1959.6	2015.5	2079.3
25°	1415.5	1505.9	1591.1	1672.2	1748.1	1784.0	1815.9	1877.1	1942.3	2012.8	2084.6
27.5°	1375.6	1463.4	1545.9	1620.4	1702.8	1736.1	1768.0	1845.2	1922.3	1996.8	2095.3
30°	1331.7	1420.8	1492.6	1561.8	1641.6	1676.2	1716.1	1803.9	1891.7	1992.8	2112.6
32.5°	1282.4	1363.6	1430.1	1502.0	1573.8	1616.4	1666.9	1762.7	1863.8	1984.9	2137.9
35°	1233.2	1298.4	1359.6	1427.5	1513.9	1559.2	1608.4	1709.5	1835.9	1980.9	2159.1
37.5°	1170.7	1233.2	1281.1	1350.3	1439.4	1492.6	1541.9	1658.9	1802.6	1971.6	2157.8
40°	1106.8	1160.1	1205.3	1277.1	1374.2	1423.5	1476.7	1604.4	1768.0	1945.0	2125.9
42.5°	1037.7	1082.9	1132.1	1201.3	1295.7	1343.6	1404.8	1553.8	1720.1	1907.7	2043.4
45°	964.5	1008.4	1049.6	1121.5	1215.9	1267.8	1334.3	1487.3	1661.6	1829.2	1910.4
47.5°	892.7	931.2	975.1	1037.7	1133.4	1190.7	1258.5	1422.1	1583.1	1724.1	1730.8
50°	823.5	854.1	891.3	955.2	1055.0	1109.5	1180.0	1333.0	1490.0	1587.1	1521.9
52.5°	751.6	779.6	818.2	874.0	967.2	1031.0	1092.2	1245.2	1376.9	1442.1	1322.4
55°	681.1	705.1	745.0	807.5	888.7	937.9	1000.4	1142.8	1258.5	1259.8	1129.5
57.5°	612.0	633.2	666.5	722.4	798.2	855.4	912.6	1036.3	1114.8	1092.2	947.2
60°	550.8	564.1	594.7	649.2	719.7	761.0	822.1	925.9	977.8	936.6	780.9
62.5°	486.9	500.2	524.2	568.1	634.6	678.5	717.1	802.2	838.1	775.6	647.9
65°	423.0	439.0	456.3	490.9	553.4	582.7	617.3	679.8	714.4	641.2	530.8
67.5°	367.2	375.2	392.4	428.4	472.3	498.9	522.8	565.4	572.0	513.5	423.0
70°	315.3	318.0	333.9	355.2	388.5	404.4	424.4	449.7	449.7	401.8	329.9
72.5°	256.8	260.7	272.7	295.3	315.3	323.3	329.9	345.9	343.2	299.3	250.1
75°	206.2	208.9	218.2	228.8	236.8	251.4	256.8	254.1	252.8	215.5	187.6
77.5°	159.6	161.0	167.6	176.9	178.3	183.6	179.6	179.6	167.6	146.3	131.7
80°	117.1	118.4	121.1	123.7	123.7	123.7	123.7	117.1	109.1	95.8	91.8
82.5°	78.5	78.5	79.8	82.5	81.2	78.5	75.8	69.2	63.9	59.9	57.2
85°	46.6	46.6	47.9	46.6	41.2	39.9	37.2	35.9	34.6	33.3	33.3
87.5°	22.6	21.3	18.6	16.0	16.0	16.0	16.0	16.0	16.0	14.6	14.6
90°	0.5	1.3	2.1	2.9	3.7	4.1	4.5	5.2	5.9	6.6	7.3
92.5°	8.6	7.7	6.8	5.9	5.0	4.5	4.8	5.4	6.1	6.7	7.3
95°	25.8	25.5	25.2	24.9	24.6	24.5	22.6	18.8	14.9	11.1	7.3
97.5°	48.5	49.1	49.7	50.3	50.9	51.2	46.4	36.9	27.3	17.8	8.2
100°	75.7	76.0	76.3	76.6	76.9	77.1	77.3	77.7	78.1	78.5	78.9
102.5°	103.4	103.8	104.2	104.6	105.0	105.2	105.3	105.5	105.7	105.9	106.1
105°	133.3	133.7	134.1	134.5	134.9	135.1	135.1	135.1	135.1	135.1	135.1
107.5°	164.2	164.2	164.2	164.2	164.2	164.2	164.3	164.5	164.7	164.9	165.1
110°	194.1	194.1	194.1	194.1	194.1	194.1	194.2	194.4	194.6	194.8	195.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	222.2	222.5	222.8	223.1	223.4	223.6	223.6	223.7	223.8	223.9	224.0
115°	250.3	250.8	251.3	251.8	252.3	252.6	252.6	252.7	252.8	252.9	253.0
117.5°	279.8	279.8	279.8	279.8	279.8	279.8	280.0	280.4	280.8	281.2	281.6
120°	307.0	306.9	306.8	306.7	306.6	306.5	306.7	307.0	307.3	307.6	307.9
122.5°	331.0	331.5	332.0	332.5	333.0	333.3	333.4	333.5	333.6	333.7	333.8
125°	356.0	356.7	357.4	358.1	358.8	359.1	359.1	359.1	359.1	359.1	359.1
127.5°	380.0	380.5	381.0	381.5	382.0	382.3	382.2	382.1	382.0	381.9	381.8
130°	401.8	402.3	402.8	403.3	403.8	404.0	404.1	404.2	404.3	404.4	404.5
132.5°	423.5	424.1	424.7	425.4	426.0	426.3	426.1	425.8	425.5	425.2	424.9
135°	443.9	444.5	445.1	445.8	446.4	446.7	446.6	446.4	446.2	446.0	445.8
137.5°	463.0	463.6	464.2	464.8	465.4	465.7	465.6	465.4	465.2	465.0	464.8
140°	481.6	481.8	482.0	482.2	482.4	482.5	482.4	482.3	482.2	482.1	482.0
142.5°	498.4	498.5	498.6	498.7	498.8	498.8	498.9	499.1	499.3	499.5	499.7
145°	514.7	514.9	515.1	515.3	515.5	515.6	515.6	515.6	515.6	515.6	515.6
147.5°	529.2	529.2	529.2	529.2	529.2	529.2	529.2	529.3	529.4	529.5	529.6
150°	542.8	542.6	542.4	542.2	542.0	541.9	542.0	542.2	542.4	542.6	542.8
152.5°	555.9	555.4	554.9	554.4	553.9	553.7	553.8	554.0	554.2	554.4	554.6
155°	566.8	566.2	565.6	565.0	564.4	564.1	564.2	564.4	564.6	564.8	565.0
157.5°	575.4	575.1	574.8	574.5	574.2	574.1	574.1	574.1	574.1	574.1	574.1
160°	584.5	583.9	583.3	582.7	582.1	581.8	581.9	582.0	582.1	582.2	582.3
162.5°	591.8	591.2	590.6	590.0	589.4	589.1	589.1	589.2	589.3	589.4	589.5
165°	598.1	597.5	596.9	596.3	595.7	595.4	595.5	595.6	595.7	595.8	595.9
167.5°	603.1	602.5	601.9	601.3	600.7	600.4	600.4	600.5	600.6	600.7	600.8
170°	607.2	606.5	605.8	605.1	604.4	604.0	604.1	604.2	604.3	604.4	604.5
172.5°	609.9	609.2	608.5	607.8	607.1	606.7	606.8	607.0	607.2	607.4	607.6
175°	611.7	611.1	610.5	609.9	609.3	609.0	609.1	609.2	609.3	609.4	609.5
177.5°	613.1	612.5	611.9	611.3	610.7	610.4	610.4	610.5	610.6	610.7	610.8
180°	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4
2.5°	1690.9	1700.2	1708.2	1704.2	1720.1	1718.8	1721.5	1726.8	1728.1	1725.4	1720.1
5°	1782.7	1796.0	1818.6	1830.5	1827.9	1838.5	1843.8	1851.8	1859.8	1857.2	1857.2
7.5°	1885.1	1903.7	1926.3	1956.9	1960.9	1970.2	1986.2	1986.2	1995.5	1991.5	1990.2
10°	1974.2	1996.8	2032.8	2056.7	2067.3	2072.7	2088.6	2094.0	2104.6	2105.9	2105.9
12.5°	2047.4	2087.3	2111.2	2135.2	2140.5	2148.5	2160.5	2168.5	2172.4	2172.4	2168.5
15°	2086.0	2117.9	2145.8	2171.1	2185.7	2192.4	2204.4	2213.7	2219.0	2231.0	2233.6
17.5°	2101.9	2140.5	2185.7	2221.7	2246.9	2253.6	2277.5	2285.5	2296.2	2301.5	2308.1
20°	2124.6	2180.4	2235.0	2278.9	2302.8	2320.1	2345.4	2382.6	2393.3	2393.3	2389.3
22.5°	2144.5	2216.3	2290.8	2361.4	2381.3	2415.9	2462.5	2502.4	2518.3	2525.0	2519.7
25°	2168.5	2266.9	2364.0	2451.8	2506.4	2531.6	2594.2	2642.1	2660.7	2671.3	2674.0
27.5°	2209.7	2333.4	2457.1	2568.9	2624.8	2654.0	2719.2	2760.5	2783.1	2792.4	2785.7
30°	2256.3	2407.9	2551.6	2651.4	2688.6	2724.5	2767.1	2783.1	2777.7	2777.7	2797.7
32.5°	2304.1	2461.1	2588.8	2654.0	2667.3	2662.0	2644.7	2596.8	2568.9	2568.9	2586.2
35°	2330.8	2466.4	2531.6	2510.3	2458.5	2427.9	2333.4	2280.2	2220.3	2216.3	2236.3
37.5°	2316.1	2374.7	2348.0	2208.4	2137.9	2079.3	1931.7	1873.1	1829.2	1768.0	1862.5
40°	2213.7	2193.7	2055.4	1854.5	1776.0	1693.5	1576.5	1517.9	1456.7	1447.4	1470.0
42.5°	2040.7	1922.3	1720.1	1525.9	1446.1	1387.5	1298.4	1241.2	1202.6	1186.7	1213.3
45°	1825.2	1639.0	1436.8	1282.4	1194.6	1164.0	1082.9	1032.3	1003.1	991.1	1009.7
47.5°	1561.8	1374.2	1182.7	1052.3	1000.4	969.8	915.3	871.4	846.1	838.1	846.1
50°	1326.3	1133.4	972.5	888.7	842.1	816.8	771.6	743.7	723.7	718.4	731.7
52.5°	1122.8	947.2	824.8	750.3	719.7	698.4	666.5	642.6	630.6	625.3	634.6
55°	940.5	798.2	699.8	635.9	613.3	600.0	572.0	558.7	545.4	544.1	553.4
57.5°	779.6	681.1	590.7	545.4	538.8	518.8	494.9	482.9	476.3	474.9	478.9
60°	649.2	561.4	506.9	466.9	457.6	441.7	428.4	420.4	412.4	409.7	412.4
62.5°	540.1	470.9	427.0	400.4	387.1	383.1	368.5	359.2	357.9	357.9	360.5
65°	445.7	387.1	359.2	337.9	328.6	324.6	314.0	307.3	308.6	308.6	310.0
67.5°	363.2	320.6	295.3	284.7	276.7	275.4	264.7	262.1	259.4	259.4	262.1
70°	288.7	262.1	243.5	238.1	236.8	227.5	223.5	222.2	218.2	219.5	219.5
72.5°	226.2	208.9	198.2	190.2	191.6	186.2	180.9	180.9	178.3	182.3	182.3
75°	167.6	159.6	151.7	149.0	151.7	149.0	145.0	143.7	145.0	143.7	143.7
77.5°	123.7	119.7	117.1	115.7	115.7	110.4	107.8	110.4	105.1	107.8	107.8
80°	86.5	81.2	79.8	77.2	78.5	74.5	75.8	73.2	73.2	73.2	73.2
82.5°	54.5	53.2	53.2	53.2	51.9	51.9	51.9	51.9	51.9	51.9	50.6
85°	33.3	31.9	31.9	31.9	30.6	30.6	30.6	30.6	30.6	30.6	30.6
87.5°	13.3	14.6	14.6	16.0	14.6	13.3	13.3	13.3	14.6	14.6	13.3
90°	7.8	8.3	8.8	9.3	9.5	9.7	10.0	10.3	10.6	10.9	10.6
92.5°	7.8	8.3	8.8	9.3	9.5	9.6	9.7	9.8	9.9	10.0	9.9
95°	7.8	8.3	8.8	9.3	9.5	9.5	9.5	9.5	9.5	9.5	9.5
97.5°	8.4	8.6	8.8	9.0	9.1	9.1	9.2	9.3	9.4	9.5	9.4
100°	63.9	48.9	33.8	18.8	11.3	11.1	10.7	10.3	9.9	9.5	9.9
102.5°	106.3	106.5	106.7	106.9	107.0	102.8	94.3	85.8	77.4	68.9	77.4
105°	135.1	135.1	135.1	135.1	135.1	135.1	135.0	134.9	134.8	134.7	134.8
107.5°	165.2	165.3	165.4	165.5	165.5	165.3	164.9	164.5	164.1	163.7	164.1
110°	194.7	194.4	194.1	193.8	193.6	193.7	193.8	193.9	194.0	194.1	194.0

TEST NUMBER: P1034720

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	223.6	223.2	222.8	222.4	222.2	222.1	221.9	221.7	221.5	221.3	221.5
115°	252.6	252.2	251.8	251.4	251.2	250.9	250.3	249.7	249.1	248.5	249.1
117.5°	281.0	280.4	279.8	279.2	278.9	278.8	278.6	278.4	278.2	278.0	278.2
120°	307.7	307.5	307.3	307.1	307.0	306.7	306.2	305.7	305.2	304.7	305.2
122.5°	333.6	333.4	333.1	332.9	332.8	332.5	331.9	331.3	330.7	330.1	330.7
125°	358.7	358.3	357.9	357.5	357.3	357.2	356.9	356.6	356.3	356.0	356.3
127.5°	381.6	381.4	381.2	381.0	380.9	380.5	379.7	378.9	378.1	377.3	378.1
130°	404.2	403.9	403.6	403.3	403.1	402.9	402.4	401.9	401.4	400.9	401.4
132.5°	424.9	424.9	424.9	424.9	424.9	424.6	424.1	423.6	423.1	422.6	423.1
135°	445.6	445.4	445.2	445.0	444.9	444.6	444.0	443.3	442.7	442.1	442.7
137.5°	464.8	464.8	464.8	464.8	464.8	464.5	464.0	463.5	463.0	462.5	463.0
140°	482.2	482.4	482.6	482.8	482.9	482.6	482.0	481.4	480.8	480.2	480.8
142.5°	499.7	499.7	499.7	499.7	499.7	499.4	498.8	498.2	497.6	497.0	497.6
145°	515.7	515.8	515.9	516.0	516.0	515.7	515.1	514.5	513.9	513.3	513.9
147.5°	529.7	529.8	529.9	530.0	530.1	529.7	529.0	528.3	527.6	526.9	527.6
150°	543.0	543.2	543.4	543.6	543.7	543.3	542.5	541.7	540.9	540.1	540.9
152.5°	554.8	555.0	555.2	555.4	555.5	555.1	554.4	553.7	553.0	552.3	553.0
155°	565.3	565.6	565.9	566.2	566.4	566.0	565.2	564.4	563.6	562.8	563.6
157.5°	574.4	574.7	575.0	575.3	575.4	575.0	574.2	573.4	572.6	571.8	572.6
160°	582.7	583.1	583.5	583.9	584.1	583.7	582.9	582.0	581.2	580.4	581.2
162.5°	590.1	590.7	591.3	591.9	592.2	591.7	590.8	589.9	589.0	588.1	589.0
165°	596.5	597.1	597.7	598.3	598.6	598.2	597.4	596.5	595.7	594.9	595.7
167.5°	601.5	602.2	602.9	603.6	604.0	603.5	602.6	601.7	600.8	599.9	600.8
170°	605.3	606.1	606.9	607.7	608.1	607.6	606.7	605.8	604.9	604.0	604.9
172.5°	608.3	609.0	609.7	610.4	610.8	610.3	609.4	608.5	607.6	606.7	607.6
175°	610.3	611.1	611.9	612.7	613.1	612.6	611.7	610.8	609.9	609.0	609.9
177.5°	611.5	612.2	612.9	613.6	614.0	613.6	612.8	612.0	611.2	610.4	611.2
180°	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7

TEST NUMBER: P1034720

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4
2.5°	1726.8	1717.5	1721.5	1717.5	1713.5	1709.5	1700.2	1686.9	1676.2	1668.2	1666.9
5°	1859.8	1847.8	1839.9	1835.9	1827.9	1817.2	1799.9	1780.0	1756.0	1746.7	1728.1
7.5°	1982.2	1978.2	1959.6	1956.9	1951.6	1931.7	1902.4	1875.8	1845.2	1819.9	1796.0
10°	2097.9	2088.6	2075.3	2056.7	2054.0	2028.8	2000.8	1963.6	1923.7	1899.7	1857.2
12.5°	2169.8	2159.1	2144.5	2132.5	2125.9	2109.9	2071.3	2034.1	1998.2	1954.3	1917.0
15°	2221.7	2208.4	2181.8	2172.4	2164.5	2143.2	2115.2	2076.7	2028.8	1998.2	1945.0
17.5°	2292.2	2276.2	2249.6	2232.3	2217.7	2184.4	2144.5	2092.6	2047.4	2012.8	1964.9
20°	2373.3	2349.4	2314.8	2292.2	2270.9	2232.3	2176.4	2115.2	2050.1	2007.5	1958.3
22.5°	2507.7	2462.5	2407.9	2376.0	2346.7	2280.2	2213.7	2137.9	2064.7	2000.8	1941.0
25°	2638.1	2592.8	2525.0	2481.1	2435.9	2358.7	2270.9	2165.8	2072.7	1998.2	1919.7
27.5°	2759.1	2712.6	2650.0	2596.8	2552.9	2437.2	2321.4	2203.0	2084.6	1982.2	1902.4
30°	2787.1	2767.1	2719.2	2672.7	2632.7	2526.3	2391.9	2241.6	2099.3	1967.6	1878.4
32.5°	2618.1	2667.3	2679.3	2672.7	2647.4	2571.5	2447.8	2289.5	2120.6	1960.9	1838.5
35°	2266.9	2356.0	2447.8	2497.0	2521.0	2531.6	2458.5	2313.5	2135.2	1950.3	1811.9
37.5°	1879.8	1966.2	2111.2	2184.4	2265.6	2372.0	2401.3	2308.1	2128.5	1942.3	1769.4
40°	1544.5	1654.9	1774.7	1841.2	1911.7	2103.3	2248.3	2237.6	2107.3	1913.0	1736.1
42.5°	1257.2	1326.3	1431.4	1504.6	1591.1	1805.3	1999.5	2095.3	2043.4	1877.1	1693.5
45°	1048.3	1101.5	1176.0	1250.5	1303.7	1498.0	1728.1	1885.1	1934.3	1813.3	1628.3
47.5°	883.3	923.3	988.4	1035.0	1092.2	1245.2	1444.7	1665.6	1769.4	1722.8	1559.2
50°	757.0	788.9	840.8	870.0	920.6	1052.3	1204.0	1435.4	1592.4	1597.7	1467.4
52.5°	646.5	678.5	722.4	747.7	778.2	867.4	1020.4	1215.9	1396.9	1463.4	1362.3
55°	562.7	581.4	617.3	637.2	665.2	751.6	848.8	1015.0	1204.0	1313.0	1249.2
57.5°	485.6	505.5	528.1	544.1	564.1	633.2	721.0	846.1	1033.7	1152.1	1130.8
60°	423.0	435.0	456.3	468.3	486.9	532.1	593.3	718.4	867.4	979.1	991.1
62.5°	364.5	375.2	389.8	400.4	412.4	448.3	493.6	582.7	713.1	834.1	850.1
65°	314.0	323.3	331.3	340.6	349.9	372.5	411.1	480.3	581.4	694.4	729.0
67.5°	268.7	271.4	283.4	284.7	290.0	307.3	335.2	391.1	464.3	554.8	600.0
70°	224.8	230.1	232.8	236.8	242.1	254.1	276.7	306.0	360.5	433.7	476.3
72.5°	182.3	183.6	187.6	190.2	195.6	204.9	215.5	238.1	272.7	325.9	364.5
75°	145.0	146.3	149.0	150.3	154.3	157.0	162.3	178.3	202.2	234.1	262.1
77.5°	109.1	111.7	114.4	114.4	115.7	118.4	121.1	126.4	138.4	159.6	183.6
80°	74.5	75.8	75.8	77.2	75.8	79.8	83.8	90.5	95.8	102.4	114.4
82.5°	51.9	51.9	51.9	53.2	53.2	54.5	54.5	55.9	57.2	61.2	66.5
85°	31.9	31.9	33.3	30.6	31.9	33.3	33.3	31.9	33.3	34.6	35.9
87.5°	13.3	13.3	14.6	14.6	14.6	14.6	13.3	14.6	13.3	14.6	14.6
90°	10.3	10.0	9.7	9.5	9.3	8.8	8.3	7.8	7.3	6.6	5.9
92.5°	9.8	9.7	9.6	9.5	9.3	8.8	8.3	7.8	7.3	6.7	6.1
95°	9.5	9.5	9.5	9.5	9.3	8.8	8.3	7.8	7.3	11.1	14.9
97.5°	9.3	9.2	9.1	9.1	9.0	8.8	8.6	8.4	8.2	17.8	27.3
100°	10.3	10.7	11.1	11.3	18.8	33.8	48.9	63.9	78.9	78.5	78.1
102.5°	85.8	94.3	102.8	107.0	106.9	106.7	106.5	106.3	106.1	105.9	105.7
105°	134.9	135.0	135.1	135.1	135.1	135.1	135.1	135.1	135.1	135.1	135.1
107.5°	164.5	164.9	165.3	165.5	165.5	165.4	165.3	165.2	165.1	164.9	164.7
110°	193.9	193.8	193.7	193.6	193.8	194.1	194.4	194.7	195.0	194.8	194.6

TEST NUMBER: P1034720

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	221.7	221.9	222.1	222.2	222.4	222.8	223.2	223.6	224.0	223.9	223.8
115°	249.7	250.3	250.9	251.2	251.4	251.8	252.2	252.6	253.0	252.9	252.8
117.5°	278.4	278.6	278.8	278.9	279.2	279.8	280.4	281.0	281.6	281.2	280.8
120°	305.7	306.2	306.7	307.0	307.1	307.3	307.5	307.7	307.9	307.6	307.3
122.5°	331.3	331.9	332.5	332.8	332.9	333.1	333.4	333.6	333.8	333.7	333.6
125°	356.6	356.9	357.2	357.3	357.5	357.9	358.3	358.7	359.1	359.1	359.1
127.5°	378.9	379.7	380.5	380.9	381.0	381.2	381.4	381.6	381.8	381.9	382.0
130°	401.9	402.4	402.9	403.1	403.3	403.6	403.9	404.2	404.5	404.4	404.3
132.5°	423.6	424.1	424.6	424.9	424.9	424.9	424.9	424.9	424.9	425.2	425.5
135°	443.3	444.0	444.6	444.9	445.0	445.2	445.4	445.6	445.8	446.0	446.2
137.5°	463.5	464.0	464.5	464.8	464.8	464.8	464.8	464.8	464.8	465.0	465.2
140°	481.4	482.0	482.6	482.9	482.8	482.6	482.4	482.2	482.0	482.1	482.2
142.5°	498.2	498.8	499.4	499.7	499.7	499.7	499.7	499.7	499.7	499.5	499.3
145°	514.5	515.1	515.7	516.0	516.0	515.9	515.8	515.7	515.6	515.6	515.6
147.5°	528.3	529.0	529.7	530.1	530.0	529.9	529.8	529.7	529.6	529.5	529.4
150°	541.7	542.5	543.3	543.7	543.6	543.4	543.2	543.0	542.8	542.6	542.4
152.5°	553.7	554.4	555.1	555.5	555.4	555.2	555.0	554.8	554.6	554.4	554.2
155°	564.4	565.2	566.0	566.4	566.2	565.9	565.6	565.3	565.0	564.8	564.6
157.5°	573.4	574.2	575.0	575.4	575.3	575.0	574.7	574.4	574.1	574.1	574.1
160°	582.0	582.9	583.7	584.1	583.9	583.5	583.1	582.7	582.3	582.2	582.1
162.5°	589.9	590.8	591.7	592.2	591.9	591.3	590.7	590.1	589.5	589.4	589.3
165°	596.5	597.4	598.2	598.6	598.3	597.7	597.1	596.5	595.9	595.8	595.7
167.5°	601.7	602.6	603.5	604.0	603.6	602.9	602.2	601.5	600.8	600.7	600.6
170°	605.8	606.7	607.6	608.1	607.7	606.9	606.1	605.3	604.5	604.4	604.3
172.5°	608.5	609.4	610.3	610.8	610.4	609.7	609.0	608.3	607.6	607.4	607.2
175°	610.8	611.7	612.6	613.1	612.7	611.9	611.1	610.3	609.5	609.4	609.3
177.5°	612.0	612.8	613.6	614.0	613.6	612.9	612.2	611.5	610.8	610.7	610.6
180°	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7

TEST NUMBER: P1034720

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4
2.5°	1662.9	1654.9	1649.6	1648.3	1640.3	1633.7	1625.7	1624.3	1620.4	1609.7	1603.1
5°	1714.8	1696.2	1692.2	1680.2	1660.3	1645.6	1627.0	1616.4	1604.4	1584.4	1568.5
7.5°	1768.0	1742.7	1724.1	1706.8	1678.9	1652.3	1625.7	1604.4	1583.1	1553.8	1529.9
10°	1819.9	1781.3	1758.7	1733.4	1694.9	1654.9	1617.7	1587.1	1552.5	1517.9	1483.3
12.5°	1867.8	1818.6	1785.3	1749.4	1701.5	1652.3	1604.4	1561.8	1525.9	1479.3	1440.8
15°	1897.1	1842.5	1809.3	1774.7	1702.8	1648.3	1592.4	1537.9	1490.0	1440.8	1404.8
17.5°	1914.4	1853.2	1815.9	1784.0	1710.8	1636.3	1564.5	1505.9	1454.1	1395.5	1347.6
20°	1906.4	1846.5	1811.9	1781.3	1696.2	1621.7	1544.5	1476.7	1411.5	1351.6	1301.1
22.5°	1889.1	1826.6	1788.0	1760.0	1684.2	1596.4	1511.3	1438.1	1370.2	1310.4	1253.2
25°	1851.8	1790.6	1757.4	1722.8	1648.3	1564.5	1478.0	1399.5	1327.7	1263.8	1200.0
27.5°	1818.6	1744.1	1709.5	1678.9	1600.4	1525.9	1440.8	1354.3	1281.1	1214.6	1150.7
30°	1780.0	1696.2	1658.9	1617.7	1547.2	1476.7	1391.5	1311.7	1235.9	1165.4	1104.2
32.5°	1738.8	1641.6	1599.1	1552.5	1480.7	1414.2	1342.3	1263.8	1188.0	1118.8	1055.0
35°	1685.5	1581.8	1532.6	1488.6	1414.2	1347.6	1281.1	1215.9	1140.1	1066.9	1005.7
37.5°	1635.0	1520.6	1468.7	1418.1	1339.7	1275.8	1221.3	1160.1	1086.9	1016.4	957.8
40°	1577.8	1446.1	1392.9	1346.3	1265.2	1194.6	1145.4	1097.5	1033.7	965.8	902.0
42.5°	1525.9	1376.9	1321.0	1273.1	1188.0	1121.5	1074.9	1035.0	979.1	916.6	851.4
45°	1454.1	1302.4	1245.2	1194.6	1108.2	1045.6	997.8	963.2	919.3	860.7	802.2
47.5°	1387.5	1230.6	1168.0	1106.8	1028.4	964.5	920.6	894.0	864.7	812.8	753.0
50°	1306.4	1148.1	1084.2	1033.7	944.5	890.0	846.1	827.5	800.9	751.6	703.7
52.5°	1218.6	1068.3	1008.4	947.2	864.7	811.5	772.9	751.6	730.4	694.4	649.2
55°	1116.2	979.1	923.3	868.7	786.2	737.0	702.4	679.8	667.8	634.6	601.3
57.5°	1017.7	888.7	836.8	786.2	714.4	658.5	635.9	615.9	598.7	574.7	546.8
60°	917.9	800.9	745.0	699.8	637.2	586.7	568.1	548.1	534.8	516.2	496.2
62.5°	803.5	703.7	661.2	618.6	565.4	525.5	504.2	488.2	470.9	459.0	441.7
65°	682.5	612.0	570.7	538.8	488.2	452.3	436.4	425.7	411.1	399.1	385.8
67.5°	569.4	513.5	496.2	461.6	423.0	391.1	379.1	365.8	353.9	347.2	335.2
70°	460.3	420.4	403.1	393.8	351.2	329.9	319.3	314.0	299.3	292.7	284.7
72.5°	356.5	341.9	329.9	318.0	290.0	276.7	264.7	259.4	248.8	243.5	240.8
75°	263.4	254.1	247.4	246.1	234.1	220.8	208.9	206.2	198.2	192.9	190.2
77.5°	184.9	182.3	180.9	182.3	174.3	166.3	163.6	161.0	151.7	150.3	150.3
80°	121.1	127.7	127.7	126.4	123.7	122.4	118.4	115.7	110.4	109.1	110.4
82.5°	74.5	78.5	79.8	82.5	81.2	79.8	77.2	75.8	77.2	74.5	75.8
85°	37.2	39.9	45.2	45.2	46.6	46.6	46.6	45.2	42.6	43.9	42.6
87.5°	14.6	16.0	16.0	16.0	14.6	18.6	20.0	20.0	20.0	17.3	17.3
90°	5.2	4.5	4.1	3.7	2.9	2.1	1.3	0.5	1.3	2.1	2.9
92.5°	5.4	4.8	4.5	5.0	5.9	6.8	7.7	8.6	7.7	6.8	5.9
95°	18.8	22.6	24.5	24.6	24.9	25.2	25.5	25.8	25.5	25.2	24.9
97.5°	36.9	46.4	51.2	50.9	50.3	49.7	49.1	48.5	49.1	49.7	50.3
100°	77.7	77.3	77.1	76.9	76.6	76.3	76.0	75.7	76.0	76.3	76.6
102.5°	105.5	105.3	105.2	105.0	104.6	104.2	103.8	103.4	103.8	104.2	104.6
105°	135.1	135.1	135.1	134.9	134.5	134.1	133.7	133.3	133.7	134.1	134.5
107.5°	164.5	164.3	164.2	164.2	164.2	164.2	164.2	164.2	164.2	164.2	164.2
110°	194.4	194.2	194.1	194.1	194.1	194.1	194.1	194.1	194.1	194.1	194.1

TEST NUMBER: P1034720

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	223.7	223.6	223.6	223.4	223.1	222.8	222.5	222.2	222.5	222.8	223.1
115°	252.7	252.6	252.6	252.3	251.8	251.3	250.8	250.3	250.8	251.3	251.8
117.5°	280.4	280.0	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8
120°	307.0	306.7	306.5	306.6	306.7	306.8	306.9	307.0	306.9	306.8	306.7
122.5°	333.5	333.4	333.3	333.0	332.5	332.0	331.5	331.0	331.5	332.0	332.5
125°	359.1	359.1	359.1	358.8	358.1	357.4	356.7	356.0	356.7	357.4	358.1
127.5°	382.1	382.2	382.3	382.0	381.5	381.0	380.5	380.0	380.5	381.0	381.5
130°	404.2	404.1	404.0	403.8	403.3	402.8	402.3	401.8	402.3	402.8	403.3
132.5°	425.8	426.1	426.3	426.0	425.4	424.7	424.1	423.5	424.1	424.7	425.4
135°	446.4	446.6	446.7	446.4	445.8	445.1	444.5	443.9	444.5	445.1	445.8
137.5°	465.4	465.6	465.7	465.4	464.8	464.2	463.6	463.0	463.6	464.2	464.8
140°	482.3	482.4	482.5	482.4	482.2	482.0	481.8	481.6	481.8	482.0	482.2
142.5°	499.1	498.9	498.8	498.8	498.7	498.6	498.5	498.4	498.5	498.6	498.7
145°	515.6	515.6	515.6	515.5	515.3	515.1	514.9	514.7	514.9	515.1	515.3
147.5°	529.3	529.2	529.2	529.2	529.2	529.2	529.2	529.2	529.2	529.2	529.2
150°	542.2	542.0	541.9	542.0	542.2	542.4	542.6	542.8	542.6	542.4	542.2
152.5°	554.0	553.8	553.7	553.9	554.4	554.9	555.4	555.9	555.4	554.9	554.4
155°	564.4	564.2	564.1	564.4	565.0	565.6	566.2	566.8	566.2	565.6	565.0
157.5°	574.1	574.1	574.1	574.2	574.5	574.8	575.1	575.4	575.1	574.8	574.5
160°	582.0	581.9	581.8	582.1	582.7	583.3	583.9	584.5	583.9	583.3	582.7
162.5°	589.2	589.1	589.1	589.4	590.0	590.6	591.2	591.8	591.2	590.6	590.0
165°	595.6	595.5	595.4	595.7	596.3	596.9	597.5	598.1	597.5	596.9	596.3
167.5°	600.5	600.4	600.4	600.7	601.3	601.9	602.5	603.1	602.5	601.9	601.3
170°	604.2	604.1	604.0	604.4	605.1	605.8	606.5	607.2	606.5	605.8	605.1
172.5°	607.0	606.8	606.7	607.1	607.8	608.5	609.2	609.9	609.2	608.5	607.8
175°	609.2	609.1	609.0	609.3	609.9	610.5	611.1	611.7	611.1	610.5	609.9
177.5°	610.5	610.4	610.4	610.7	611.3	611.9	612.5	613.1	612.5	611.9	611.3
180°	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7

TEST NUMBER: P1034720

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4
2.5°	1599.1	1593.7	1589.8	1585.8	1568.5	1549.8	1547.2	1543.2	1535.2	1544.5	1540.5
5°	1557.8	1545.9	1539.2	1521.9	1500.6	1484.7	1471.4	1455.4	1448.7	1443.4	1442.1
7.5°	1507.3	1496.6	1484.7	1467.4	1440.8	1414.2	1394.2	1378.2	1364.9	1358.3	1358.3
10°	1458.1	1444.7	1428.8	1399.5	1374.2	1341.0	1319.7	1303.7	1285.1	1274.5	1265.2
12.5°	1407.5	1392.9	1378.2	1341.0	1311.7	1277.1	1246.5	1226.6	1217.3	1205.3	1189.3
15°	1356.9	1334.3	1319.7	1282.4	1245.2	1210.6	1190.7	1169.4	1148.1	1136.1	1130.8
17.5°	1303.7	1287.8	1263.8	1223.9	1182.7	1152.1	1122.8	1102.9	1077.6	1065.6	1053.6
20°	1255.8	1231.9	1207.9	1168.0	1128.1	1086.9	1057.6	1033.7	1017.7	1008.4	997.8
22.5°	1198.6	1176.0	1156.1	1113.5	1069.6	1031.0	999.1	984.5	968.5	953.9	943.2
25°	1149.4	1126.8	1106.8	1060.3	1012.4	976.5	952.5	933.9	916.6	910.0	899.3
27.5°	1097.5	1076.2	1049.6	1003.1	960.5	929.9	904.6	887.3	874.0	860.7	852.7
30°	1048.3	1024.4	1000.4	949.9	915.3	884.7	860.7	839.4	828.8	822.1	808.8
32.5°	1000.4	969.8	949.9	903.3	870.0	840.8	820.8	802.2	788.9	776.9	766.3
35°	948.5	915.3	895.3	856.7	822.1	792.9	775.6	762.3	746.3	735.7	730.4
37.5°	899.3	871.4	851.4	811.5	776.9	753.0	734.3	717.1	710.4	695.8	693.1
40°	846.1	822.1	803.5	764.9	733.0	714.4	694.4	678.5	666.5	659.8	650.5
42.5°	798.2	778.2	758.3	722.4	691.8	669.2	654.5	639.9	629.3	618.6	612.0
45°	754.3	733.0	714.4	679.8	649.2	629.3	614.6	597.3	594.7	580.0	573.4
47.5°	707.7	689.1	673.2	637.2	609.3	589.3	572.0	560.1	548.1	542.8	533.5
50°	662.5	643.9	625.3	593.3	568.1	548.1	530.8	517.5	510.9	502.9	494.9
52.5°	613.3	598.7	584.0	550.8	525.5	508.2	493.6	476.3	469.6	463.0	457.6
55°	572.0	550.8	534.8	506.9	484.2	465.6	449.7	436.4	429.7	424.4	417.7
57.5°	516.2	502.9	489.6	464.3	443.0	424.4	408.4	397.8	389.8	385.8	387.1
60°	468.3	453.6	445.7	419.1	397.8	383.1	368.5	357.9	349.9	345.9	344.6
62.5°	417.7	407.1	392.4	373.8	352.5	339.2	328.6	320.6	307.3	306.0	302.0
65°	368.5	360.5	347.2	329.9	312.6	300.7	288.7	278.0	272.7	266.1	262.1
67.5°	320.6	312.6	300.7	286.0	274.0	262.1	251.4	240.8	231.5	226.2	223.5
70°	274.0	267.4	259.4	242.1	227.5	218.2	210.2	203.5	194.2	191.6	190.2
72.5°	228.8	222.2	218.2	203.5	190.2	182.3	174.3	167.6	163.6	162.3	158.3
75°	187.6	180.9	175.6	162.3	154.3	149.0	141.0	138.4	134.4	133.0	131.7
77.5°	146.3	139.7	138.4	129.0	119.7	117.1	114.4	109.1	109.1	109.1	106.4
80°	105.1	103.8	102.4	93.1	89.1	86.5	85.1	81.2	78.5	75.8	74.5
82.5°	70.5	69.2	67.8	63.9	59.9	58.5	57.2	54.5	54.5	55.9	53.2
85°	42.6	39.9	38.6	37.2	34.6	34.6	35.9	34.6	34.6	34.6	33.3
87.5°	16.0	16.0	16.0	16.0	17.3	14.6	16.0	16.0	14.6	14.6	13.3
90°	3.7	4.1	4.5	5.2	5.9	6.6	7.3	7.8	8.3	8.8	9.3
92.5°	5.0	4.5	4.8	5.4	6.1	6.7	7.3	7.8	8.3	8.8	9.3
95°	24.6	24.5	22.6	18.8	14.9	11.1	7.3	7.8	8.3	8.8	9.3
97.5°	50.9	51.2	46.4	36.9	27.3	17.8	8.2	8.4	8.6	8.8	9.0
100°	76.9	77.1	77.3	77.7	78.1	78.5	78.9	63.9	48.9	33.8	18.8
102.5°	105.0	105.2	105.3	105.5	105.7	105.9	106.1	106.3	106.5	106.7	106.9
105°	134.9	135.1	135.1	135.1	135.1	135.1	135.1	135.1	135.1	135.1	135.1
107.5°	164.2	164.2	164.3	164.5	164.7	164.9	165.1	165.2	165.3	165.4	165.5
110°	194.1	194.1	194.2	194.4	194.6	194.8	195.0	194.7	194.4	194.1	193.8

TEST NUMBER: P1034720

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	223.4	223.6	223.6	223.7	223.8	223.9	224.0	223.6	223.2	222.8	222.4
115°	252.3	252.6	252.6	252.7	252.8	252.9	253.0	252.6	252.2	251.8	251.4
117.5°	279.8	279.8	280.0	280.4	280.8	281.2	281.6	281.0	280.4	279.8	279.2
120°	306.6	306.5	306.7	307.0	307.3	307.6	307.9	307.7	307.5	307.3	307.1
122.5°	333.0	333.3	333.4	333.5	333.6	333.7	333.8	333.6	333.4	333.1	332.9
125°	358.8	359.1	359.1	359.1	359.1	359.1	359.1	358.7	358.3	357.9	357.5
127.5°	382.0	382.3	382.2	382.1	382.0	381.9	381.8	381.6	381.4	381.2	381.0
130°	403.8	404.0	404.1	404.2	404.3	404.4	404.5	404.2	403.9	403.6	403.3
132.5°	426.0	426.3	426.1	425.8	425.5	425.2	424.9	424.9	424.9	424.9	424.9
135°	446.4	446.7	446.6	446.4	446.2	446.0	445.8	445.6	445.4	445.2	445.0
137.5°	465.4	465.7	465.6	465.4	465.2	465.0	464.8	464.8	464.8	464.8	464.8
140°	482.4	482.5	482.4	482.3	482.2	482.1	482.0	482.2	482.4	482.6	482.8
142.5°	498.8	498.8	498.9	499.1	499.3	499.5	499.7	499.7	499.7	499.7	499.7
145°	515.5	515.6	515.6	515.6	515.6	515.6	515.6	515.7	515.8	515.9	516.0
147.5°	529.2	529.2	529.2	529.3	529.4	529.5	529.6	529.7	529.8	529.9	530.0
150°	542.0	541.9	542.0	542.2	542.4	542.6	542.8	543.0	543.2	543.4	543.6
152.5°	553.9	553.7	553.8	554.0	554.2	554.4	554.6	554.8	555.0	555.2	555.4
155°	564.4	564.1	564.2	564.4	564.6	564.8	565.0	565.3	565.6	565.9	566.2
157.5°	574.2	574.1	574.1	574.1	574.1	574.1	574.1	574.4	574.7	575.0	575.3
160°	582.1	581.8	581.9	582.0	582.1	582.2	582.3	582.7	583.1	583.5	583.9
162.5°	589.4	589.1	589.1	589.2	589.3	589.4	589.5	590.1	590.7	591.3	591.9
165°	595.7	595.4	595.5	595.6	595.7	595.8	595.9	596.5	597.1	597.7	598.3
167.5°	600.7	600.4	600.4	600.5	600.6	600.7	600.8	601.5	602.2	602.9	603.6
170°	604.4	604.0	604.1	604.2	604.3	604.4	604.5	605.3	606.1	606.9	607.7
172.5°	607.1	606.7	606.8	607.0	607.2	607.4	607.6	608.3	609.0	609.7	610.4
175°	609.3	609.0	609.1	609.2	609.3	609.4	609.5	610.3	611.1	611.9	612.7
177.5°	610.7	610.4	610.4	610.5	610.6	610.7	610.8	611.5	612.2	612.9	613.6
180°	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7

TEST NUMBER: P1034720

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4
2.5°	1533.9	1536.5	1529.9	1527.2	1521.9	1528.6	1529.9	1528.6	1540.5	1535.2	1537.9
5°	1444.7	1439.4	1435.4	1426.1	1426.1	1427.5	1431.4	1424.8	1428.8	1438.1	1436.8
7.5°	1346.3	1343.6	1345.0	1334.3	1326.3	1329.0	1326.3	1338.3	1345.0	1342.3	1347.6
10°	1257.2	1262.5	1250.5	1245.2	1239.9	1245.2	1243.9	1246.5	1254.5	1259.8	1269.1
12.5°	1185.3	1184.0	1177.3	1172.0	1162.7	1165.4	1173.4	1170.7	1172.0	1184.0	1182.7
15°	1117.5	1109.5	1104.2	1092.2	1094.9	1085.6	1093.5	1102.9	1106.8	1117.5	1124.1
17.5°	1049.6	1048.3	1041.7	1040.3	1025.7	1021.7	1029.7	1032.3	1036.3	1041.7	1051.0
20°	992.4	991.1	981.8	979.1	967.2	975.1	972.5	977.8	980.5	991.1	995.1
22.5°	940.5	933.9	931.2	927.2	923.3	921.9	927.2	925.9	935.2	939.2	940.5
25°	892.7	887.3	886.0	879.4	876.7	872.7	876.7	880.7	891.3	895.3	900.6
27.5°	848.8	844.8	842.1	836.8	832.8	832.8	835.5	840.8	844.8	847.4	850.1
30°	808.8	806.2	798.2	795.5	791.6	791.6	791.6	794.2	800.9	808.8	812.8
32.5°	767.6	762.3	757.0	757.0	753.0	753.0	754.3	757.0	763.6	764.9	771.6
35°	727.7	722.4	718.4	715.7	717.1	711.7	714.4	718.4	726.4	729.0	733.0
37.5°	689.1	687.8	679.8	675.8	678.5	678.5	677.1	679.8	685.1	690.4	693.1
40°	646.5	643.9	643.9	639.9	641.2	635.9	639.9	642.6	645.2	650.5	654.5
42.5°	609.3	606.6	601.3	602.6	598.7	598.7	601.3	602.6	606.6	613.3	615.9
45°	569.4	569.4	566.7	562.7	564.1	560.1	562.7	564.1	569.4	576.0	573.4
47.5°	530.8	529.5	529.5	524.2	526.8	522.8	526.8	528.1	530.8	534.8	533.5
50°	493.6	489.6	490.9	489.6	488.2	488.2	490.9	490.9	493.6	493.6	497.5
52.5°	455.0	455.0	452.3	453.6	456.3	453.6	457.6	453.6	456.3	457.6	460.3
55°	420.4	417.7	419.1	417.7	423.0	419.1	423.0	420.4	423.0	421.7	424.4
57.5°	383.1	379.1	380.5	379.1	383.1	381.8	385.8	381.8	383.1	384.5	388.5
60°	340.6	340.6	340.6	337.9	341.9	341.9	340.6	340.6	345.9	348.5	347.2
62.5°	300.7	299.3	295.3	294.0	295.3	292.7	298.0	296.7	299.3	302.0	304.6
65°	256.8	254.1	252.8	250.1	250.1	248.8	250.1	255.4	256.8	258.1	264.7
67.5°	220.8	219.5	218.2	214.2	214.2	216.8	216.8	216.8	224.8	220.8	226.2
70°	188.9	186.2	183.6	182.3	182.3	183.6	184.9	186.2	184.9	190.2	191.6
72.5°	158.3	159.6	157.0	157.0	157.0	155.6	155.6	158.3	159.6	158.3	159.6
75°	131.7	131.7	130.4	131.7	131.7	130.4	130.4	133.0	133.0	131.7	135.7
77.5°	106.4	105.1	102.4	99.8	101.1	99.8	101.1	99.8	103.8	107.8	105.1
80°	74.5	73.2	73.2	73.2	74.5	73.2	75.8	73.2	74.5	74.5	75.8
82.5°	53.2	54.5	54.5	53.2	54.5	53.2	54.5	54.5	54.5	53.2	54.5
85°	34.6	34.6	34.6	34.6	33.3	34.6	34.6	34.6	35.9	34.6	35.9
87.5°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	16.0	14.6	16.0
90°	9.5	9.7	10.0	10.3	10.6	10.9	10.6	10.3	10.0	9.7	9.5
92.5°	9.5	9.6	9.7	9.8	9.9	10.0	9.9	9.8	9.7	9.6	9.5
95°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
97.5°	9.1	9.1	9.2	9.3	9.4	9.5	9.4	9.3	9.2	9.1	9.1
100°	11.3	11.1	10.7	10.3	9.9	9.5	9.9	10.3	10.7	11.1	11.3
102.5°	107.0	102.8	94.3	85.8	77.4	68.9	77.4	85.8	94.3	102.8	107.0
105°	135.1	135.1	135.0	134.9	134.8	134.7	134.8	134.9	135.0	135.1	135.1
107.5°	165.5	165.3	164.9	164.5	164.1	163.7	164.1	164.5	164.9	165.3	165.5
110°	193.6	193.7	193.8	193.9	194.0	194.1	194.0	193.9	193.8	193.7	193.6

TEST NUMBER: P1034720

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	222.2	222.1	221.9	221.7	221.5	221.3	221.5	221.7	221.9	222.1	222.2
115°	251.2	250.9	250.3	249.7	249.1	248.5	249.1	249.7	250.3	250.9	251.2
117.5°	278.9	278.8	278.6	278.4	278.2	278.0	278.2	278.4	278.6	278.8	278.9
120°	307.0	306.7	306.2	305.7	305.2	304.7	305.2	305.7	306.2	306.7	307.0
122.5°	332.8	332.5	331.9	331.3	330.7	330.1	330.7	331.3	331.9	332.5	332.8
125°	357.3	357.2	356.9	356.6	356.3	356.0	356.3	356.6	356.9	357.2	357.3
127.5°	380.9	380.5	379.7	378.9	378.1	377.3	378.1	378.9	379.7	380.5	380.9
130°	403.1	402.9	402.4	401.9	401.4	400.9	401.4	401.9	402.4	402.9	403.1
132.5°	424.9	424.6	424.1	423.6	423.1	422.6	423.1	423.6	424.1	424.6	424.9
135°	444.9	444.6	444.0	443.3	442.7	442.1	442.7	443.3	444.0	444.6	444.9
137.5°	464.8	464.5	464.0	463.5	463.0	462.5	463.0	463.5	464.0	464.5	464.8
140°	482.9	482.6	482.0	481.4	480.8	480.2	480.8	481.4	482.0	482.6	482.9
142.5°	499.7	499.4	498.8	498.2	497.6	497.0	497.6	498.2	498.8	499.4	499.7
145°	516.0	515.7	515.1	514.5	513.9	513.3	513.9	514.5	515.1	515.7	516.0
147.5°	530.1	529.7	529.0	528.3	527.6	526.9	527.6	528.3	529.0	529.7	530.1
150°	543.7	543.3	542.5	541.7	540.9	540.1	540.9	541.7	542.5	543.3	543.7
152.5°	555.5	555.1	554.4	553.7	553.0	552.3	553.0	553.7	554.4	555.1	555.5
155°	566.4	566.0	565.2	564.4	563.6	562.8	563.6	564.4	565.2	566.0	566.4
157.5°	575.4	575.0	574.2	573.4	572.6	571.8	572.6	573.4	574.2	575.0	575.4
160°	584.1	583.7	582.9	582.0	581.2	580.4	581.2	582.0	582.9	583.7	584.1
162.5°	592.2	591.7	590.8	589.9	589.0	588.1	589.0	589.9	590.8	591.7	592.2
165°	598.6	598.2	597.4	596.5	595.7	594.9	595.7	596.5	597.4	598.2	598.6
167.5°	604.0	603.5	602.6	601.7	600.8	599.9	600.8	601.7	602.6	603.5	604.0
170°	608.1	607.6	606.7	605.8	604.9	604.0	604.9	605.8	606.7	607.6	608.1
172.5°	610.8	610.3	609.4	608.5	607.6	606.7	607.6	608.5	609.4	610.3	610.8
175°	613.1	612.6	611.7	610.8	609.9	609.0	609.9	610.8	611.7	612.6	613.1
177.5°	614.0	613.6	612.8	612.0	611.2	610.4	611.2	612.0	612.8	613.6	614.0
180°	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7

TEST NUMBER: P1034720

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4	1620.4
2.5°	1532.6	1539.2	1533.9	1529.9	1540.5	1545.9	1545.9	1555.2	1564.5	1572.5	1573.8
5°	1438.1	1448.7	1451.4	1450.1	1466.0	1474.0	1491.3	1500.6	1513.9	1523.2	1533.9
7.5°	1351.6	1366.3	1367.6	1370.2	1394.2	1407.5	1422.1	1446.1	1464.7	1478.0	1490.0
10°	1265.2	1274.5	1283.8	1295.7	1319.7	1342.3	1363.6	1388.9	1412.8	1426.1	1443.4
12.5°	1200.0	1206.6	1217.3	1225.2	1250.5	1270.5	1298.4	1333.0	1367.6	1378.2	1399.5
15°	1132.1	1136.1	1157.4	1165.4	1186.7	1219.9	1237.2	1270.5	1307.7	1327.7	1351.6
17.5°	1053.6	1077.6	1090.9	1100.2	1126.8	1153.4	1181.3	1215.9	1263.8	1282.4	1299.7
20°	997.8	1015.0	1029.7	1041.7	1065.6	1105.5	1130.8	1158.7	1204.0	1225.2	1250.5
22.5°	948.5	963.2	976.5	989.8	1005.7	1041.7	1070.9	1109.5	1154.7	1174.7	1204.0
25°	902.0	916.6	924.6	940.5	961.8	987.1	1021.7	1056.3	1101.5	1124.1	1152.1
27.5°	856.7	871.4	886.0	899.3	913.9	937.9	961.8	1005.7	1052.3	1078.9	1102.9
30°	818.2	824.8	838.1	852.7	867.4	890.0	917.9	948.5	1001.7	1025.7	1055.0
32.5°	775.6	787.6	796.9	807.5	826.1	844.8	870.0	908.6	951.2	973.8	1005.7
35°	735.7	746.3	753.0	771.6	783.6	803.5	828.8	863.4	899.3	924.6	952.5
37.5°	697.1	707.7	715.7	726.4	742.3	759.6	786.2	811.5	854.1	875.4	907.3
40°	657.2	666.5	675.8	687.8	702.4	723.7	739.7	771.6	806.2	830.1	854.1
42.5°	618.6	623.9	634.6	647.9	662.5	681.1	703.7	729.0	763.6	784.9	806.2
45°	577.4	586.7	598.7	608.0	621.3	639.9	659.8	682.5	717.1	738.3	761.0
47.5°	538.8	545.4	553.4	568.1	585.3	598.7	619.9	641.2	673.2	693.1	714.4
50°	498.9	505.5	517.5	526.8	540.1	557.4	577.4	600.0	630.6	643.9	665.2
52.5°	461.6	464.3	476.3	485.6	498.9	518.8	534.8	554.8	584.0	598.7	619.9
55°	424.4	427.0	433.7	443.0	457.6	473.6	490.9	513.5	538.8	552.1	572.0
57.5°	385.8	388.5	395.1	401.8	416.4	431.0	451.0	469.6	494.9	506.9	525.5
60°	347.2	347.2	353.9	363.2	373.8	387.1	404.4	427.0	445.7	460.3	473.6
62.5°	306.0	310.0	314.0	320.6	332.6	348.5	363.2	379.1	401.8	412.4	424.4
65°	264.7	268.7	276.7	283.4	292.7	303.3	321.9	335.2	352.5	364.5	375.2
67.5°	228.8	232.8	238.1	246.1	252.8	264.7	278.0	291.3	310.0	318.0	325.9
70°	191.6	195.6	199.6	210.2	216.8	226.2	235.5	248.8	264.7	270.1	276.7
72.5°	162.3	163.6	169.0	171.6	180.9	188.9	199.6	207.5	219.5	226.2	231.5
75°	137.0	137.0	138.4	141.0	146.3	151.7	159.6	167.6	178.3	182.3	188.9
77.5°	107.8	111.7	110.4	113.1	115.7	118.4	125.1	130.4	141.0	143.7	146.3
80°	77.2	78.5	82.5	86.5	86.5	90.5	94.5	95.8	102.4	106.4	106.4
82.5°	55.9	57.2	55.9	57.2	58.5	59.9	63.9	69.2	69.2	70.5	73.2
85°	34.6	34.6	35.9	37.2	37.2	35.9	38.6	37.2	38.6	41.2	41.2
87.5°	17.3	16.0	16.0	16.0	16.0	16.0	17.3	16.0	17.3	17.3	17.3
90°	9.3	8.8	8.3	7.8	7.3	6.6	5.9	5.2	4.5	4.1	3.7
92.5°	9.3	8.8	8.3	7.8	7.3	6.7	6.1	5.4	4.8	4.5	5.0
95°	9.3	8.8	8.3	7.8	7.3	11.1	14.9	18.8	22.6	24.5	24.6
97.5°	9.0	8.8	8.6	8.4	8.2	17.8	27.3	36.9	46.4	51.2	50.9
100°	18.8	33.8	48.9	63.9	78.9	78.5	78.1	77.7	77.3	77.1	76.9
102.5°	106.9	106.7	106.5	106.3	106.1	105.9	105.7	105.5	105.3	105.2	105.0
105°	135.1	135.1	135.1	135.1	135.1	135.1	135.1	135.1	135.1	135.1	134.9
107.5°	165.5	165.4	165.3	165.2	165.1	164.9	164.7	164.5	164.3	164.2	164.2
110°	193.8	194.1	194.4	194.7	195.0	194.8	194.6	194.4	194.2	194.1	194.1

TEST NUMBER: P1034720

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	222.4	222.8	223.2	223.6	224.0	223.9	223.8	223.7	223.6	223.6	223.4
115°	251.4	251.8	252.2	252.6	253.0	252.9	252.8	252.7	252.6	252.6	252.3
117.5°	279.2	279.8	280.4	281.0	281.6	281.2	280.8	280.4	280.0	279.8	279.8
120°	307.1	307.3	307.5	307.7	307.9	307.6	307.3	307.0	306.7	306.5	306.6
122.5°	332.9	333.1	333.4	333.6	333.8	333.7	333.6	333.5	333.4	333.3	333.0
125°	357.5	357.9	358.3	358.7	359.1	359.1	359.1	359.1	359.1	359.1	358.8
127.5°	381.0	381.2	381.4	381.6	381.8	381.9	382.0	382.1	382.2	382.3	382.0
130°	403.3	403.6	403.9	404.2	404.5	404.4	404.3	404.2	404.1	404.0	403.8
132.5°	424.9	424.9	424.9	424.9	424.9	425.2	425.5	425.8	426.1	426.3	426.0
135°	445.0	445.2	445.4	445.6	445.8	446.0	446.2	446.4	446.6	446.7	446.4
137.5°	464.8	464.8	464.8	464.8	464.8	465.0	465.2	465.4	465.6	465.7	465.4
140°	482.8	482.6	482.4	482.2	482.0	482.1	482.2	482.3	482.4	482.5	482.4
142.5°	499.7	499.7	499.7	499.7	499.7	499.5	499.3	499.1	498.9	498.8	498.8
145°	516.0	515.9	515.8	515.7	515.6	515.6	515.6	515.6	515.6	515.6	515.5
147.5°	530.0	529.9	529.8	529.7	529.6	529.5	529.4	529.3	529.2	529.2	529.2
150°	543.6	543.4	543.2	543.0	542.8	542.6	542.4	542.2	542.0	541.9	542.0
152.5°	555.4	555.2	555.0	554.8	554.6	554.4	554.2	554.0	553.8	553.7	553.9
155°	566.2	565.9	565.6	565.3	565.0	564.8	564.6	564.4	564.2	564.1	564.4
157.5°	575.3	575.0	574.7	574.4	574.1	574.1	574.1	574.1	574.1	574.1	574.2
160°	583.9	583.5	583.1	582.7	582.3	582.2	582.1	582.0	581.9	581.8	582.1
162.5°	591.9	591.3	590.7	590.1	589.5	589.4	589.3	589.2	589.1	589.1	589.4
165°	598.3	597.7	597.1	596.5	595.9	595.8	595.7	595.6	595.5	595.4	595.7
167.5°	603.6	602.9	602.2	601.5	600.8	600.7	600.6	600.5	600.4	600.4	600.7
170°	607.7	606.9	606.1	605.3	604.5	604.4	604.3	604.2	604.1	604.0	604.4
172.5°	610.4	609.7	609.0	608.3	607.6	607.4	607.2	607.0	606.8	606.7	607.1
175°	612.7	611.9	611.1	610.3	609.5	609.4	609.3	609.2	609.1	609.0	609.3
177.5°	613.6	612.9	612.2	611.5	610.8	610.7	610.6	610.5	610.4	610.4	610.7
180°	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7

TEST NUMBER: P1034720

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1620.4	1620.4	1620.4	1620.4
2.5°	1583.1	1595.1	1607.0	1621.7
5°	1551.2	1572.5	1595.1	1616.4
7.5°	1516.6	1547.2	1576.5	1607.0
10°	1478.0	1516.6	1549.8	1592.4
12.5°	1435.4	1476.7	1523.2	1571.1
15°	1392.9	1444.7	1494.0	1548.5
17.5°	1353.0	1402.2	1456.7	1521.9
20°	1305.1	1359.6	1420.8	1490.0
22.5°	1254.5	1314.4	1380.9	1455.4
25°	1211.9	1273.1	1337.0	1415.5
27.5°	1165.4	1229.2	1291.8	1375.6
30°	1112.2	1181.3	1245.2	1331.7
32.5°	1061.6	1130.8	1201.3	1282.4
35°	1012.4	1080.2	1150.7	1233.2
37.5°	965.8	1027.0	1096.2	1170.7
40°	921.9	977.8	1039.0	1106.8
42.5°	866.1	931.2	988.4	1037.7
45°	818.2	871.4	924.6	964.5
47.5°	762.3	815.5	860.7	892.7
50°	715.7	758.3	795.5	823.5
52.5°	659.8	699.8	730.4	751.6
55°	605.3	639.9	666.5	681.1
57.5°	556.1	578.7	598.7	612.0
60°	501.5	518.8	536.1	550.8
62.5°	443.0	461.6	470.9	486.9
65°	391.1	403.1	417.7	423.0
67.5°	340.6	347.2	356.5	367.2
70°	287.4	291.3	300.7	315.3
72.5°	240.8	244.8	251.4	256.8
75°	191.6	195.6	200.9	206.2
77.5°	150.3	151.7	154.3	159.6
80°	109.1	113.1	115.7	117.1
82.5°	75.8	77.2	77.2	78.5
85°	47.9	45.2	45.2	46.6
87.5°	17.3	20.0	20.0	22.6
90°	2.9	2.1	1.3	0.5
92.5°	5.9	6.8	7.7	8.6
95°	24.9	25.2	25.5	25.8
97.5°	50.3	49.7	49.1	48.5
100°	76.6	76.3	76.0	75.7
102.5°	104.6	104.2	103.8	103.4
105°	134.5	134.1	133.7	133.3
107.5°	164.2	164.2	164.2	164.2
110°	194.1	194.1	194.1	194.1

TEST NUMBER: P1034720

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	223.1	222.8	222.5	222.2
115°	251.8	251.3	250.8	250.3
117.5°	279.8	279.8	279.8	279.8
120°	306.7	306.8	306.9	307.0
122.5°	332.5	332.0	331.5	331.0
125°	358.1	357.4	356.7	356.0
127.5°	381.5	381.0	380.5	380.0
130°	403.3	402.8	402.3	401.8
132.5°	425.4	424.7	424.1	423.5
135°	445.8	445.1	444.5	443.9
137.5°	464.8	464.2	463.6	463.0
140°	482.2	482.0	481.8	481.6
142.5°	498.7	498.6	498.5	498.4
145°	515.3	515.1	514.9	514.7
147.5°	529.2	529.2	529.2	529.2
150°	542.2	542.4	542.6	542.8
152.5°	554.4	554.9	555.4	555.9
155°	565.0	565.6	566.2	566.8
157.5°	574.5	574.8	575.1	575.4
160°	582.7	583.3	583.9	584.5
162.5°	590.0	590.6	591.2	591.8
165°	596.3	596.9	597.5	598.1
167.5°	601.3	601.9	602.5	603.1
170°	605.1	605.8	606.5	607.2
172.5°	607.8	608.5	609.2	609.9
175°	609.9	610.5	611.1	611.7
177.5°	611.3	611.9	612.5	613.1
180°	611.7	611.7	611.7	611.7

(END OF REPORT)