

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: P1034722

Luminaire Tested: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1034722
REPORT IS A COMBINATION OF REPORTS P1006061 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_3500K
Description: Define 5 Regressed Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721}
{m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

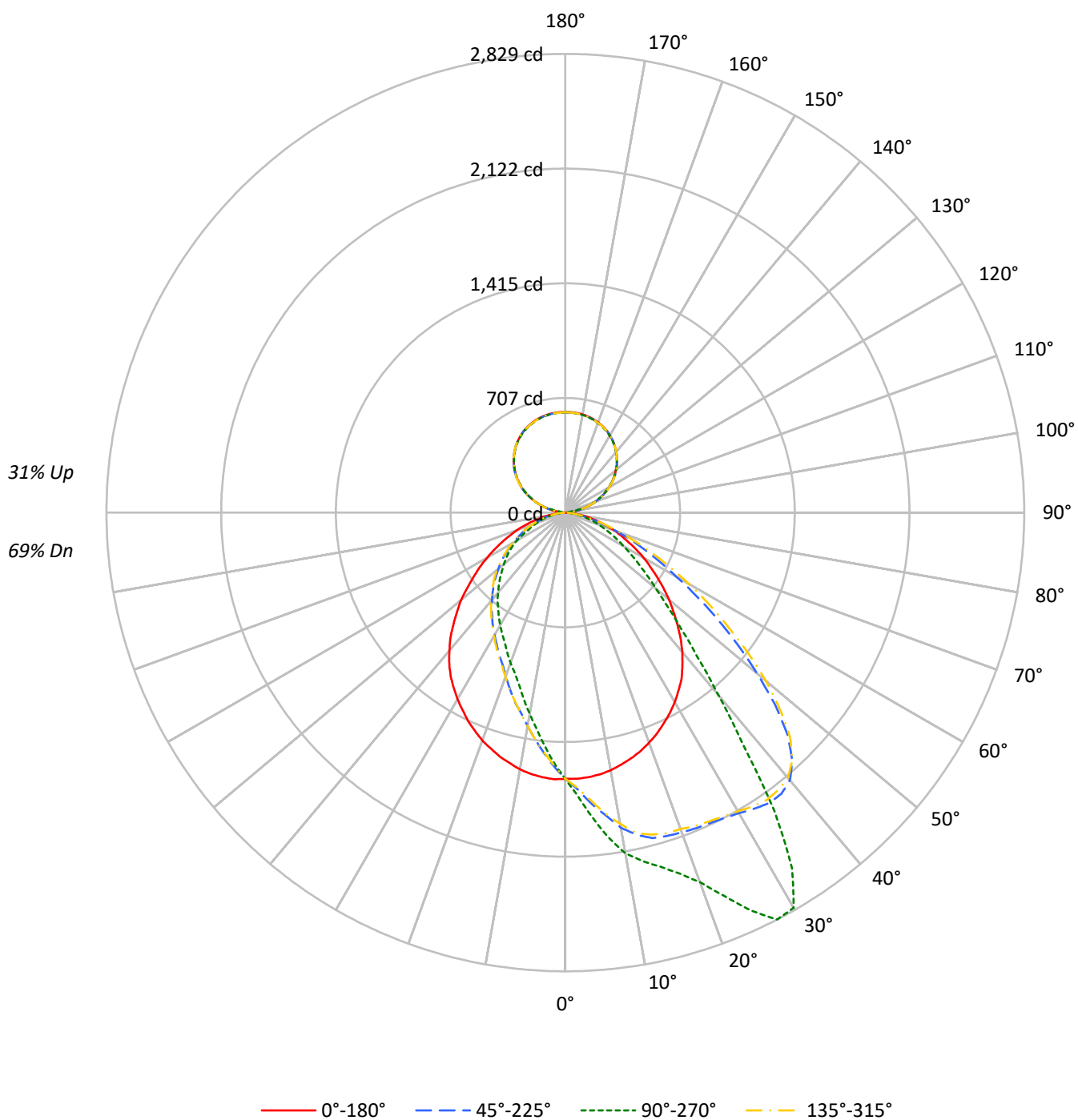
Lumens per Lamp: N/A
Luminaire Lumens: 6157.0 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.4 / 1.47
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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	50	30	10
RCR																				
0	112	112	112	112	105	105	105	105	94	94	94	83	83	83	74	74	74	69		
1	103	98	95	91	97	93	90	87	83	81	79	74	73	71	66	65	63	59		
2	94	87	81	76	89	82	77	72	74	70	66	66	63	60	59	56	54	51		
3	86	77	69	64	81	73	66	61	66	60	56	59	55	51	53	49	47	44		
4	79	68	60	54	74	65	58	52	59	53	48	53	48	44	47	44	41	38		
5	73	61	53	47	69	58	51	45	53	47	42	48	43	39	43	39	36	33		
6	67	55	47	41	63	52	45	40	48	42	37	43	38	34	39	35	32	29		
7	62	50	42	36	59	48	40	35	43	37	33	39	34	30	36	31	28	26		
8	58	45	38	32	55	43	36	31	40	34	29	36	31	27	33	29	25	23		
9	54	42	34	29	51	40	33	28	36	30	26	33	28	25	30	26	23	21		
10	51	38	31	26	48	37	30	25	34	28	24	31	26	22	28	24	21	19		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10518	10518	10518	10518
5°	10509	11854	10509	9112
10°	10450	13321	10415	7877
15°	10337	14093	10266	6858
20°	10199	15213	10108	6199
25°	10021	17220	9908	5626
30°	9839	18303	9692	5216
35°	9604	15053	9470	4834
40°	9186	10222	9109	4491
45°	8638	7349	8626	4153
50°	8075	5651	8114	3840
55°	7443	4595	7428	3539
60°	6854	3766	6820	3143
65°	6167	3138	6206	2529
70°	5599	2519	5576	2106
75°	4730	1908	4730	1732
80°	3833	1163	3791	1163
85°	2699	612	2619	691

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 14972 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.4	2.6
10°-20°	461.5	7.5
20°-30°	731.8	11.9
30°-40°	884.2	14.4
40°-50°	787.3	12.8
50°-60°	603.7	9.8
60°-70°	392.1	6.4
70°-80°	190.3	3.1
80°-90°	45.7	0.7
90°-100°	21.0	0.3
100°-110°	139.8	2.3
110°-120°	251.8	4.1
120°-130°	323.2	5.2
130°-140°	347.6	5.6
140°-150°	326.2	5.3
150°-160°	263.9	4.3
160°-170°	170.7	2.8
170°-180°	58.9	1.0
0°-30°	1350.7	21.9
0°-40°	2234.9	36.3
0°-60°	3625.9	58.9
0°-90°	4253.9	69.1
90°-120°	412.6	6.7
90°-150°	1409.7	22.9
90°-180°	1903.0	30.9
0°-180°	6157.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1642	1642	1642	1642	1642	
5°	1638	1882	1638	1446	1638	156
15°	1569	2260	1558	1100	1569	442
25°	1434	2706	1418	884	1434	661
35°	1249	2245	1232	721	1249	778
45°	977	1004	976	567	977	754
55°	690	551	689	424	690	618
65°	429	313	431	252	429	428
75°	209	146	209	132	209	224
85°	47	31	46	35	47	54
90°	0	11	0	11	0	4
95°	26	10	26	10	26	32
105°	135	136	135	136	135	143
115°	254	252	254	252	254	251
125°	360	360	360	360	360	322
135°	450	448	450	448	450	347
145°	521	520	521	520	521	326
155°	574	570	574	570	574	265
165°	606	602	606	602	606	171
175°	620	617	620	617	620	59
180°	620	620	620	620	620	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6
2.5°	1642.9	1656.4	1660.5	1671.2	1683.4	1686.1	1692.8	1702.2	1707.6	1706.3	1706.3
5°	1637.5	1660.5	1676.6	1695.5	1718.4	1727.8	1735.9	1756.1	1772.3	1781.7	1797.9
7.5°	1628.1	1661.8	1688.8	1717.1	1752.1	1768.3	1785.8	1814.1	1843.7	1862.6	1880.1
10°	1613.3	1656.4	1694.1	1735.9	1783.1	1807.4	1828.9	1872.0	1908.4	1932.7	1973.1
12.5°	1591.7	1645.6	1698.2	1753.4	1812.7	1838.4	1868.0	1915.2	1966.4	2001.4	2035.1
15°	1568.8	1633.5	1690.1	1756.1	1827.6	1866.7	1904.4	1954.3	2000.1	2039.2	2078.3
17.5°	1541.8	1610.6	1680.7	1756.1	1837.0	1876.1	1908.4	1967.7	2016.3	2055.3	2090.4
20°	1509.5	1586.3	1665.8	1749.4	1831.6	1868.0	1899.0	1963.7	2006.8	2048.6	2098.5
22.5°	1474.5	1558.0	1642.9	1725.1	1806.0	1845.1	1881.5	1938.1	1985.3	2041.9	2106.6
25°	1434.0	1525.7	1611.9	1694.1	1771.0	1807.4	1839.7	1901.7	1967.7	2039.2	2112.0
27.5°	1393.6	1482.5	1566.1	1641.6	1725.1	1758.8	1791.2	1869.4	1947.5	2023.0	2122.7
30°	1349.1	1439.4	1512.2	1582.3	1663.1	1698.2	1738.6	1827.6	1916.5	2019.0	2140.3
32.5°	1299.2	1381.5	1448.9	1521.6	1594.4	1637.5	1688.8	1785.8	1888.2	2010.9	2165.9
35°	1249.4	1315.4	1377.4	1446.2	1533.8	1579.6	1629.5	1731.9	1859.9	2006.8	2187.4
37.5°	1186.0	1249.4	1297.9	1368.0	1458.3	1512.2	1562.1	1680.7	1826.2	1997.4	2186.1
40°	1121.3	1175.3	1221.1	1293.9	1392.2	1442.1	1496.0	1625.4	1791.2	1970.4	2153.7
42.5°	1051.3	1097.1	1147.0	1217.0	1312.7	1361.2	1423.2	1574.2	1742.7	1932.7	2070.2
45°	977.1	1021.6	1063.4	1136.2	1231.9	1284.4	1351.8	1506.8	1683.4	1853.2	1935.4
47.5°	904.4	943.4	987.9	1051.3	1148.3	1206.3	1275.0	1440.8	1603.8	1746.7	1753.4
50°	834.3	865.3	903.0	967.7	1068.8	1124.0	1195.5	1350.5	1509.5	1607.9	1541.8
52.5°	761.5	789.8	828.9	885.5	979.8	1044.5	1106.5	1261.5	1394.9	1461.0	1339.7
55°	690.1	714.3	754.8	818.1	900.3	950.2	1013.5	1157.7	1275.0	1276.3	1144.3
57.5°	620.0	641.5	675.2	731.8	808.7	866.6	924.6	1049.9	1129.4	1106.5	959.6
60°	558.0	571.5	602.5	657.7	729.1	770.9	832.9	938.0	990.6	948.8	791.1
62.5°	493.3	506.8	531.0	575.5	642.9	687.4	726.4	812.7	849.1	785.7	656.4
65°	428.6	444.8	462.3	497.3	560.7	590.3	625.4	688.7	723.8	649.6	537.8
67.5°	372.0	380.1	397.6	434.0	478.5	505.4	529.7	572.8	579.5	520.2	428.6
70°	319.4	322.1	338.3	359.9	393.5	409.7	429.9	455.5	455.5	407.0	334.2
72.5°	260.1	264.2	276.3	299.2	319.4	327.5	334.2	350.4	347.7	303.2	253.4
75°	208.9	211.6	221.0	231.8	239.9	254.7	260.1	257.4	256.1	218.3	190.0
77.5°	161.7	163.1	169.8	179.3	180.6	186.0	181.9	181.9	169.8	148.3	133.4
80°	118.6	120.0	122.6	125.3	125.3	125.3	125.3	118.6	110.5	97.0	93.0
82.5°	79.5	79.5	80.9	83.6	82.2	79.5	76.8	70.1	64.7	60.6	58.0
85°	47.2	47.2	48.5	47.2	41.8	40.4	37.7	36.4	35.0	33.7	33.7
87.5°	22.9	21.6	18.9	16.2	16.2	16.2	16.2	16.2	16.2	14.8	14.8
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°	8.7	7.8	6.9	6.0	5.1	4.6	4.9	5.5	6.1	6.7	7.3
95°	26.2	25.9	25.6	25.3	25.0	24.8	22.9	19.0	15.1	11.2	7.3
97.5°	49.1	49.7	50.3	51.0	51.6	51.9	47.1	37.4	27.7	18.0	8.3
100°	76.7	77.0	77.3	77.6	77.9	78.1	78.3	78.7	79.1	79.5	79.9
102.5°	104.7	105.1	105.5	105.9	106.3	106.5	106.6	106.8	107.1	107.3	107.5
105°	135.0	135.4	135.8	136.3	136.7	136.9	136.9	136.9	136.9	136.9	136.9
107.5°	166.3	166.3	166.3	166.3	166.3	166.3	166.4	166.6	166.8	167.0	167.2
110°	196.6	196.6	196.6	196.6	196.6	196.6	196.7	196.9	197.1	197.3	197.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	225.0	225.3	225.6	225.9	226.2	226.4	226.5	226.6	226.7	226.8	226.9
115°	253.5	254.0	254.5	255.0	255.5	255.8	255.9	256.0	256.1	256.2	256.3
117.5°	283.4	283.4	283.4	283.4	283.4	283.4	283.6	284.0	284.4	284.8	285.2
120°	310.9	310.8	310.7	310.6	310.5	310.5	310.6	310.9	311.2	311.5	311.8
122.5°	335.3	335.8	336.3	336.8	337.3	337.6	337.6	337.7	337.8	337.9	338.0
125°	360.5	361.2	361.9	362.6	363.3	363.7	363.7	363.7	363.7	363.7	363.7
127.5°	384.9	385.4	385.9	386.4	386.9	387.2	387.1	387.0	386.9	386.8	386.7
130°	406.9	407.4	407.9	408.4	408.9	409.2	409.3	409.4	409.5	409.6	409.7
132.5°	428.9	429.5	430.1	430.8	431.4	431.7	431.5	431.2	430.9	430.6	430.3
135°	449.6	450.2	450.8	451.5	452.1	452.4	452.3	452.1	451.8	451.6	451.4
137.5°	468.9	469.5	470.1	470.8	471.4	471.7	471.6	471.4	471.1	470.9	470.7
140°	487.7	487.9	488.1	488.3	488.5	488.6	488.6	488.5	488.4	488.3	488.2
142.5°	504.7	504.8	504.9	505.0	505.1	505.2	505.3	505.5	505.7	505.9	506.1
145°	521.3	521.5	521.7	521.9	522.1	522.2	522.2	522.2	522.2	522.2	522.2
147.5°	536.0	536.0	536.0	536.0	536.0	536.0	536.0	536.1	536.2	536.3	536.4
150°	549.7	549.5	549.3	549.1	548.9	548.8	548.9	549.1	549.3	549.5	549.7
152.5°	563.0	562.5	562.0	561.5	561.0	560.8	560.9	561.1	561.3	561.5	561.7
155°	574.1	573.5	572.9	572.2	571.6	571.3	571.4	571.6	571.8	572.0	572.2
157.5°	582.8	582.5	582.2	581.9	581.6	581.4	581.4	581.4	581.4	581.4	581.4
160°	592.0	591.4	590.8	590.1	589.5	589.2	589.3	589.4	589.5	589.6	589.7
162.5°	599.3	598.7	598.1	597.5	596.9	596.6	596.6	596.7	596.8	596.9	597.0
165°	605.8	605.2	604.6	603.9	603.3	603.0	603.1	603.2	603.3	603.4	603.5
167.5°	610.8	610.2	609.6	609.0	608.4	608.1	608.1	608.2	608.3	608.4	608.5
170°	614.9	614.2	613.5	612.8	612.1	611.7	611.8	611.9	612.0	612.1	612.2
172.5°	617.7	617.0	616.3	615.6	614.9	614.5	614.6	614.8	615.0	615.2	615.4
175°	619.5	618.9	618.3	617.7	617.1	616.8	616.8	616.9	617.0	617.1	617.2
177.5°	620.9	620.3	619.7	619.1	618.5	618.2	618.2	618.3	618.4	618.5	618.6
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6
2.5°	1713.0	1722.4	1730.5	1726.5	1742.7	1741.3	1744.0	1749.4	1750.8	1748.1	1742.7
5°	1806.0	1819.5	1842.4	1854.5	1851.8	1862.6	1868.0	1876.1	1884.2	1881.5	1881.5
7.5°	1909.8	1928.7	1951.6	1982.6	1986.6	1996.0	2012.2	2012.2	2021.7	2017.6	2016.3
10°	2000.1	2023.0	2059.4	2083.6	2094.4	2099.8	2116.0	2121.4	2132.2	2133.5	2133.5
12.5°	2074.2	2114.6	2138.9	2163.2	2168.6	2176.6	2188.8	2196.9	2200.9	2200.9	2196.9
15°	2113.3	2145.6	2174.0	2199.6	2214.4	2221.1	2233.3	2242.7	2248.1	2260.2	2262.9
17.5°	2129.5	2168.6	2214.4	2250.8	2276.4	2283.1	2307.4	2315.5	2326.2	2331.6	2338.4
20°	2152.4	2209.0	2264.3	2308.7	2333.0	2350.5	2376.1	2413.9	2424.6	2424.6	2420.6
22.5°	2172.6	2245.4	2320.9	2392.3	2412.5	2447.5	2494.7	2535.2	2551.3	2558.1	2552.7
25°	2196.9	2296.6	2395.0	2483.9	2539.2	2564.8	2628.1	2676.7	2695.5	2706.3	2709.0
27.5°	2238.6	2364.0	2489.3	2602.5	2659.1	2688.8	2754.8	2796.6	2819.5	2829.0	2822.2
30°	2285.8	2439.5	2585.0	2686.1	2723.8	2760.2	2803.4	2819.5	2814.1	2814.1	2834.4
32.5°	2334.3	2493.4	2622.8	2688.8	2702.3	2696.9	2679.4	2630.8	2602.5	2602.5	2620.1
35°	2361.3	2498.8	2564.8	2543.2	2490.7	2459.7	2364.0	2310.1	2249.4	2245.4	2265.6
37.5°	2346.5	2405.8	2378.8	2237.3	2165.9	2106.6	1957.0	1897.7	1853.2	1791.2	1886.9
40°	2242.7	2222.5	2082.3	1878.8	1799.3	1715.7	1597.1	1537.8	1475.8	1466.4	1489.3
42.5°	2067.5	1947.5	1742.7	1545.9	1465.0	1405.7	1315.4	1257.5	1218.4	1202.2	1229.2
45°	1849.1	1660.5	1455.6	1299.2	1210.3	1179.3	1097.1	1045.9	1016.2	1004.1	1023.0
47.5°	1582.3	1392.2	1198.2	1066.1	1013.5	982.5	927.3	882.8	857.2	849.1	857.2
50°	1343.7	1148.3	985.2	900.3	853.1	827.5	781.7	753.4	733.2	727.8	741.3
52.5°	1137.5	959.6	835.6	760.1	729.1	707.6	675.2	651.0	638.8	633.5	642.9
55°	952.9	808.7	708.9	644.2	621.3	607.8	579.5	566.1	552.6	551.2	560.7
57.5°	789.8	690.1	598.4	552.6	545.8	525.6	501.4	489.2	482.5	481.2	485.2
60°	657.7	568.8	513.5	473.1	463.6	447.5	434.0	425.9	417.8	415.1	417.8
62.5°	547.2	477.1	432.6	405.7	392.2	388.2	373.3	363.9	362.5	362.5	365.2
65°	451.5	392.2	363.9	342.3	332.9	328.9	318.1	311.3	312.7	312.7	314.0
67.5°	367.9	324.8	299.2	288.4	280.3	279.0	268.2	265.5	262.8	262.8	265.5
70°	292.5	265.5	246.6	241.3	239.9	230.5	226.4	225.1	221.0	222.4	222.4
72.5°	229.1	211.6	200.8	192.7	194.1	188.7	183.3	183.3	180.6	184.6	184.6
75°	169.8	161.7	153.6	151.0	153.6	151.0	146.9	145.6	146.9	145.6	145.6
77.5°	125.3	121.3	118.6	117.3	117.3	111.9	109.2	111.9	106.5	109.2	109.2
80°	87.6	82.2	80.9	78.2	79.5	75.5	76.8	74.1	74.1	74.1	74.1
82.5°	55.3	53.9	53.9	53.9	52.6	52.6	52.6	52.6	52.6	52.6	51.2
85°	33.7	32.3	32.3	32.3	31.0	31.0	31.0	31.0	31.0	31.0	31.0
87.5°	13.5	14.8	14.8	16.2	14.8	13.5	13.5	13.5	14.8	14.8	13.5
90°	7.8	8.3	8.8	9.3	9.6	9.8	10.1	10.4	10.7	11.0	10.7
92.5°	7.8	8.3	8.8	9.3	9.6	9.7	9.8	9.9	10.0	10.1	10.0
95°	7.8	8.3	8.8	9.3	9.6	9.6	9.6	9.6	9.6	9.6	9.6
97.5°	8.5	8.7	8.9	9.1	9.2	9.2	9.3	9.4	9.5	9.6	9.5
100°	64.7	49.5	34.3	19.1	11.5	11.3	10.9	10.4	10.0	9.6	10.0
102.5°	107.7	107.9	108.1	108.3	108.4	104.1	95.5	87.0	78.4	69.8	78.4
105°	136.9	136.9	136.9	136.9	136.9	136.8	136.7	136.6	136.5	136.4	136.5
107.5°	167.3	167.4	167.5	167.6	167.6	167.4	167.0	166.6	166.2	165.8	166.2
110°	197.2	196.9	196.6	196.3	196.1	196.2	196.3	196.4	196.5	196.6	196.5

TEST NUMBER: P1034722

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	226.5	226.1	225.6	225.2	225.0	224.9	224.7	224.5	224.3	224.1	224.3
115°	255.9	255.5	255.0	254.6	254.4	254.1	253.5	252.9	252.3	251.7	252.3
117.5°	284.6	284.0	283.3	282.7	282.4	282.3	282.1	281.9	281.7	281.5	281.7
120°	311.6	311.4	311.2	311.0	310.9	310.6	310.1	309.6	309.1	308.6	309.1
122.5°	337.8	337.6	337.4	337.2	337.1	336.8	336.2	335.5	334.9	334.3	334.9
125°	363.3	362.9	362.5	362.1	361.9	361.7	361.4	361.1	360.8	360.5	360.8
127.5°	386.5	386.3	386.1	385.9	385.8	385.4	384.6	383.7	382.9	382.1	382.9
130°	409.4	409.1	408.8	408.5	408.3	408.0	407.5	407.0	406.5	406.0	406.5
132.5°	430.3	430.3	430.3	430.3	430.3	430.0	429.5	429.0	428.5	428.0	428.5
135°	451.2	451.0	450.8	450.6	450.5	450.2	449.6	449.0	448.4	447.8	448.4
137.5°	470.7	470.7	470.7	470.7	470.7	470.4	469.9	469.4	468.9	468.4	468.9
140°	488.4	488.6	488.8	489.0	489.1	488.8	488.2	487.6	487.0	486.4	487.0
142.5°	506.1	506.1	506.1	506.1	506.1	505.8	505.2	504.5	503.9	503.3	503.9
145°	522.3	522.4	522.5	522.6	522.6	522.3	521.7	521.1	520.5	519.9	520.5
147.5°	536.5	536.6	536.7	536.8	536.9	536.5	535.8	535.1	534.4	533.7	534.4
150°	549.9	550.1	550.3	550.5	550.6	550.2	549.4	548.6	547.8	547.0	547.8
152.5°	561.9	562.1	562.3	562.5	562.6	562.2	561.5	560.8	560.1	559.4	560.1
155°	572.5	572.8	573.1	573.4	573.6	573.2	572.4	571.5	570.7	569.9	570.7
157.5°	581.7	582.0	582.3	582.6	582.8	582.4	581.6	580.7	579.9	579.1	579.9
160°	590.1	590.5	590.9	591.3	591.5	591.1	590.3	589.4	588.6	587.8	588.6
162.5°	597.6	598.2	598.9	599.5	599.8	599.3	598.4	597.5	596.6	595.7	596.6
165°	604.1	604.7	605.3	605.9	606.2	605.8	605.0	604.1	603.3	602.5	603.3
167.5°	609.2	609.9	610.6	611.3	611.7	611.2	610.3	609.4	608.5	607.6	608.5
170°	613.0	613.8	614.7	615.5	615.9	615.4	614.5	613.6	612.6	611.7	612.6
172.5°	616.1	616.8	617.5	618.2	618.6	618.1	617.2	616.3	615.4	614.5	615.4
175°	618.0	618.8	619.7	620.5	620.9	620.4	619.5	618.6	617.7	616.8	617.7
177.5°	619.3	620.0	620.7	621.4	621.8	621.4	620.6	619.8	619.0	618.2	619.0
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034722

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6
2.5°	1749.4	1740.0	1744.0	1740.0	1735.9	1731.9	1722.4	1709.0	1698.2	1690.1	1688.8
5°	1884.2	1872.0	1864.0	1859.9	1851.8	1841.1	1823.5	1803.3	1779.1	1769.6	1750.8
7.5°	2008.2	2004.1	1985.3	1982.6	1977.2	1957.0	1927.3	1900.4	1869.4	1843.7	1819.5
10°	2125.4	2116.0	2102.5	2083.6	2081.0	2055.3	2027.0	1989.3	1948.9	1924.6	1881.5
12.5°	2198.2	2187.4	2172.6	2160.5	2153.7	2137.6	2098.5	2060.7	2024.3	1979.9	1942.1
15°	2250.8	2237.3	2210.3	2200.9	2192.8	2171.3	2143.0	2103.9	2055.3	2024.3	1970.4
17.5°	2322.2	2306.0	2279.1	2261.6	2246.7	2213.0	2172.6	2120.0	2074.2	2039.2	1990.7
20°	2404.4	2380.2	2345.1	2322.2	2300.6	2261.6	2204.9	2143.0	2076.9	2033.8	1983.9
22.5°	2540.5	2494.7	2439.5	2407.1	2377.5	2310.1	2242.7	2165.9	2091.7	2027.0	1966.4
25°	2672.6	2626.8	2558.1	2513.6	2467.8	2389.6	2300.6	2194.2	2099.8	2024.3	1944.8
27.5°	2795.3	2748.1	2684.8	2630.8	2586.4	2469.1	2351.9	2231.9	2112.0	2008.2	1927.3
30°	2823.6	2803.4	2754.8	2707.7	2667.2	2559.4	2423.3	2271.0	2126.8	1993.3	1903.0
32.5°	2652.4	2702.3	2714.4	2707.7	2682.1	2605.2	2479.9	2319.5	2148.3	1986.6	1862.6
35°	2296.6	2386.9	2479.9	2529.8	2554.0	2564.8	2490.7	2343.8	2163.2	1975.8	1835.7
37.5°	1904.4	1992.0	2138.9	2213.0	2295.2	2403.1	2432.7	2338.4	2156.4	1967.7	1792.5
40°	1564.8	1676.6	1797.9	1865.3	1936.7	2130.8	2277.7	2266.9	2134.9	1938.1	1758.8
42.5°	1273.6	1343.7	1450.2	1524.3	1611.9	1828.9	2025.7	2122.7	2070.2	1901.7	1715.7
45°	1062.0	1116.0	1191.4	1266.9	1320.8	1517.6	1750.8	1909.8	1959.7	1837.0	1649.7
47.5°	894.9	935.4	1001.4	1048.6	1106.5	1261.5	1463.7	1687.4	1792.5	1745.4	1579.6
50°	766.9	799.2	851.8	881.4	932.7	1066.1	1219.7	1454.2	1613.3	1618.7	1486.6
52.5°	655.0	687.4	731.8	757.4	788.4	878.7	1033.7	1231.9	1415.2	1482.5	1380.1
55°	570.1	589.0	625.4	645.6	673.9	761.5	859.9	1028.3	1219.7	1330.2	1265.6
57.5°	491.9	512.2	535.1	551.2	571.5	641.5	730.5	857.2	1047.2	1167.2	1145.6
60°	428.6	440.7	462.3	474.4	493.3	539.1	601.1	727.8	878.7	992.0	1004.1
62.5°	369.3	380.1	394.9	405.7	417.8	454.2	500.0	590.3	722.4	845.1	861.2
65°	318.1	327.5	335.6	345.0	354.5	377.4	416.5	486.5	589.0	703.5	738.6
67.5°	272.2	274.9	287.1	288.4	293.8	311.3	339.6	396.2	470.4	562.0	607.8
70°	227.8	233.2	235.9	239.9	245.3	257.4	280.3	310.0	365.2	439.4	482.5
72.5°	184.6	186.0	190.0	192.7	198.1	207.6	218.3	241.3	276.3	330.2	369.3
75°	146.9	148.3	151.0	152.3	156.3	159.0	164.4	180.6	204.9	237.2	265.5
77.5°	110.5	113.2	115.9	115.9	117.3	120.0	122.6	128.0	140.2	161.7	186.0
80°	75.5	76.8	76.8	78.2	76.8	80.9	84.9	91.6	97.0	103.8	115.9
82.5°	52.6	52.6	52.6	53.9	53.9	55.3	55.3	56.6	58.0	62.0	67.4
85°	32.3	32.3	33.7	31.0	32.3	33.7	33.7	32.3	33.7	35.0	36.4
87.5°	13.5	13.5	14.8	14.8	14.8	14.8	13.5	14.8	13.5	14.8	14.8
90°	10.4	10.1	9.8	9.6	9.3	8.8	8.3	7.8	7.3	6.6	5.9
92.5°	9.9	9.8	9.7	9.6	9.3	8.8	8.3	7.8	7.3	6.7	6.1
95°	9.6	9.6	9.6	9.6	9.3	8.8	8.3	7.8	7.3	11.2	15.1
97.5°	9.4	9.3	9.2	9.2	9.1	8.9	8.7	8.5	8.3	18.0	27.7
100°	10.4	10.9	11.3	11.5	19.1	34.3	49.5	64.7	79.9	79.5	79.1
102.5°	87.0	95.5	104.1	108.4	108.3	108.1	107.9	107.7	107.5	107.3	107.1
105°	136.6	136.7	136.8	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9
107.5°	166.6	167.0	167.4	167.6	167.6	167.5	167.4	167.3	167.2	167.0	166.8
110°	196.4	196.3	196.2	196.1	196.3	196.6	196.9	197.2	197.5	197.3	197.1

TEST NUMBER: P1034722

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	224.5	224.7	224.9	225.0	225.2	225.6	226.1	226.5	226.9	226.8	226.7
115°	252.9	253.5	254.1	254.4	254.6	255.0	255.5	255.9	256.3	256.2	256.1
117.5°	281.9	282.1	282.3	282.4	282.7	283.3	284.0	284.6	285.2	284.8	284.4
120°	309.6	310.1	310.6	310.9	311.0	311.2	311.4	311.6	311.8	311.5	311.2
122.5°	335.5	336.2	336.8	337.1	337.2	337.4	337.6	337.8	338.0	337.9	337.8
125°	361.1	361.4	361.7	361.9	362.1	362.5	362.9	363.3	363.7	363.7	363.7
127.5°	383.7	384.6	385.4	385.8	385.9	386.1	386.3	386.5	386.7	386.8	386.9
130°	407.0	407.5	408.0	408.3	408.5	408.8	409.1	409.4	409.7	409.6	409.5
132.5°	429.0	429.5	430.0	430.3	430.3	430.3	430.3	430.3	430.3	430.6	430.9
135°	449.0	449.6	450.2	450.5	450.6	450.8	451.0	451.2	451.4	451.6	451.8
137.5°	469.4	469.9	470.4	470.7	470.7	470.7	470.7	470.7	470.7	470.9	471.1
140°	487.6	488.2	488.8	489.1	489.0	488.8	488.6	488.4	488.2	488.3	488.4
142.5°	504.5	505.2	505.8	506.1	506.1	506.1	506.1	506.1	506.1	505.9	505.7
145°	521.1	521.7	522.3	522.6	522.6	522.5	522.4	522.3	522.2	522.2	522.2
147.5°	535.1	535.8	536.5	536.9	536.8	536.7	536.6	536.5	536.4	536.3	536.2
150°	548.6	549.4	550.2	550.6	550.5	550.3	550.1	549.9	549.7	549.5	549.3
152.5°	560.8	561.5	562.2	562.6	562.5	562.3	562.1	561.9	561.7	561.5	561.3
155°	571.5	572.4	573.2	573.6	573.4	573.1	572.8	572.5	572.2	572.0	571.8
157.5°	580.7	581.6	582.4	582.8	582.6	582.3	582.0	581.7	581.4	581.4	581.4
160°	589.4	590.3	591.1	591.5	591.3	590.9	590.5	590.1	589.7	589.6	589.5
162.5°	597.5	598.4	599.3	599.8	599.5	598.9	598.2	597.6	597.0	596.9	596.8
165°	604.1	605.0	605.8	606.2	605.9	605.3	604.7	604.1	603.5	603.4	603.3
167.5°	609.4	610.3	611.2	611.7	611.3	610.6	609.9	609.2	608.5	608.4	608.3
170°	613.6	614.5	615.4	615.9	615.5	614.7	613.8	613.0	612.2	612.1	612.0
172.5°	616.3	617.2	618.1	618.6	618.2	617.5	616.8	616.1	615.4	615.2	615.0
175°	618.6	619.5	620.4	620.9	620.5	619.7	618.8	618.0	617.2	617.1	617.0
177.5°	619.8	620.6	621.4	621.8	621.4	620.7	620.0	619.3	618.6	618.5	618.4
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034722

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6
2.5°	1684.7	1676.6	1671.2	1669.9	1661.8	1655.1	1647.0	1645.6	1641.6	1630.8	1624.1
5°	1737.3	1718.4	1714.4	1702.2	1682.0	1667.2	1648.3	1637.5	1625.4	1605.2	1589.0
7.5°	1791.2	1765.6	1746.7	1729.2	1700.9	1673.9	1647.0	1625.4	1603.8	1574.2	1549.9
10°	1843.7	1804.7	1781.7	1756.1	1717.1	1676.6	1638.9	1607.9	1572.8	1537.8	1502.8
12.5°	1892.3	1842.4	1808.7	1772.3	1723.8	1673.9	1625.4	1582.3	1545.9	1498.7	1459.6
15°	1921.9	1866.7	1833.0	1797.9	1725.1	1669.9	1613.3	1558.0	1509.5	1459.6	1423.2
17.5°	1939.4	1877.4	1839.7	1807.4	1733.2	1657.8	1585.0	1525.7	1473.1	1413.8	1365.3
20°	1931.4	1870.7	1835.7	1804.7	1718.4	1642.9	1564.8	1496.0	1430.0	1369.3	1318.1
22.5°	1913.8	1850.5	1811.4	1783.1	1706.3	1617.3	1531.1	1456.9	1388.2	1327.6	1269.6
25°	1876.1	1814.1	1780.4	1745.4	1669.9	1585.0	1497.4	1417.9	1345.1	1280.4	1215.7
27.5°	1842.4	1766.9	1731.9	1700.9	1621.4	1545.9	1459.6	1372.0	1297.9	1230.5	1165.8
30°	1803.3	1718.4	1680.7	1638.9	1567.5	1496.0	1409.8	1328.9	1252.1	1180.6	1118.6
32.5°	1761.5	1663.1	1620.0	1572.8	1500.1	1432.7	1359.9	1280.4	1203.6	1133.5	1068.8
35°	1707.6	1602.5	1552.6	1508.2	1432.7	1365.3	1297.9	1231.9	1155.0	1080.9	1018.9
37.5°	1656.4	1540.5	1487.9	1436.7	1357.2	1292.5	1237.3	1175.3	1101.1	1029.7	970.4
40°	1598.5	1465.0	1411.1	1363.9	1281.7	1210.3	1160.4	1111.9	1047.2	978.5	913.8
42.5°	1545.9	1394.9	1338.3	1289.8	1203.6	1136.2	1089.0	1048.6	992.0	928.6	862.6
45°	1473.1	1319.5	1261.5	1210.3	1122.7	1059.3	1010.8	975.8	931.3	872.0	812.7
47.5°	1405.7	1246.7	1183.3	1121.3	1041.8	977.1	932.7	905.7	876.0	823.5	762.8
50°	1323.5	1163.1	1098.4	1047.2	956.9	901.7	857.2	838.3	811.4	761.5	713.0
52.5°	1234.6	1082.3	1021.6	959.6	876.0	822.1	783.1	761.5	739.9	703.5	657.7
55°	1130.8	992.0	935.4	880.1	796.5	746.7	711.6	688.7	676.6	642.9	609.2
57.5°	1031.0	900.3	847.7	796.5	723.8	667.1	644.2	624.0	606.5	582.2	553.9
60°	930.0	811.4	754.8	708.9	645.6	594.4	575.5	555.3	541.8	522.9	502.7
62.5°	814.1	713.0	669.8	626.7	572.8	532.4	510.8	494.6	477.1	465.0	447.5
65°	691.4	620.0	578.2	545.8	494.6	458.2	442.1	431.3	416.5	404.3	390.9
67.5°	576.8	520.2	502.7	467.7	428.6	396.2	384.1	370.6	358.5	351.8	339.6
70°	466.3	425.9	408.4	398.9	355.8	334.2	323.5	318.1	303.2	296.5	288.4
72.5°	361.2	346.4	334.2	322.1	293.8	280.3	268.2	262.8	252.0	246.6	243.9
75°	266.9	257.4	250.7	249.3	237.2	223.7	211.6	208.9	200.8	195.4	192.7
77.5°	187.3	184.6	183.3	184.6	176.6	168.5	165.8	163.1	153.6	152.3	152.3
80°	122.6	129.4	129.4	128.0	125.3	124.0	120.0	117.3	111.9	110.5	111.9
82.5°	75.5	79.5	80.9	83.6	82.2	80.9	78.2	76.8	78.2	75.5	76.8
85°	37.7	40.4	45.8	45.8	47.2	47.2	47.2	45.8	43.1	44.5	43.1
87.5°	14.8	16.2	16.2	16.2	14.8	18.9	20.2	20.2	20.2	17.5	17.5
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°	5.5	4.9	4.6	5.1	6.0	6.9	7.8	8.7	7.8	6.9	6.0
95°	19.0	22.9	24.8	25.0	25.3	25.6	25.9	26.2	25.9	25.6	25.3
97.5°	37.4	47.1	51.9	51.6	51.0	50.3	49.7	49.1	49.7	50.3	51.0
100°	78.7	78.3	78.1	77.9	77.6	77.3	77.0	76.7	77.0	77.3	77.6
102.5°	106.8	106.6	106.5	106.3	105.9	105.5	105.1	104.7	105.1	105.5	105.9
105°	136.9	136.9	136.9	136.7	136.3	135.8	135.4	135.0	135.4	135.8	136.3
107.5°	166.6	166.4	166.3	166.3	166.3	166.3	166.3	166.3	166.3	166.3	166.3
110°	196.9	196.7	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6

TEST NUMBER: P1034722

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	226.6	226.5	226.4	226.2	225.9	225.6	225.3	225.0	225.3	225.6	225.9
115°	256.0	255.9	255.8	255.5	255.0	254.5	254.0	253.5	254.0	254.5	255.0
117.5°	284.0	283.6	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4
120°	310.9	310.6	310.5	310.5	310.6	310.7	310.8	310.9	310.8	310.7	310.6
122.5°	337.7	337.6	337.6	337.3	336.8	336.3	335.8	335.3	335.8	336.3	336.8
125°	363.7	363.7	363.7	363.3	362.6	361.9	361.2	360.5	361.2	361.9	362.6
127.5°	387.0	387.1	387.2	386.9	386.4	385.9	385.4	384.9	385.4	385.9	386.4
130°	409.4	409.3	409.2	408.9	408.4	407.9	407.4	406.9	407.4	407.9	408.4
132.5°	431.2	431.5	431.7	431.4	430.8	430.1	429.5	428.9	429.5	430.1	430.8
135°	452.1	452.3	452.4	452.1	451.5	450.8	450.2	449.6	450.2	450.8	451.5
137.5°	471.4	471.6	471.7	471.4	470.8	470.1	469.5	468.9	469.5	470.1	470.8
140°	488.5	488.6	488.6	488.5	488.3	488.1	487.9	487.7	487.9	488.1	488.3
142.5°	505.5	505.3	505.2	505.1	505.0	504.9	504.8	504.7	504.8	504.9	505.0
145°	522.2	522.2	522.2	522.1	521.9	521.7	521.5	521.3	521.5	521.7	521.9
147.5°	536.1	536.0	536.0	536.0	536.0	536.0	536.0	536.0	536.0	536.0	536.0
150°	549.1	548.9	548.8	548.9	549.1	549.3	549.5	549.7	549.5	549.3	549.1
152.5°	561.1	560.9	560.8	561.0	561.5	562.0	562.5	563.0	562.5	562.0	561.5
155°	571.6	571.4	571.3	571.6	572.2	572.9	573.5	574.1	573.5	572.9	572.2
157.5°	581.4	581.4	581.4	581.6	581.9	582.2	582.5	582.8	582.5	582.2	581.9
160°	589.4	589.3	589.2	589.5	590.1	590.8	591.4	592.0	591.4	590.8	590.1
162.5°	596.7	596.6	596.6	596.9	597.5	598.1	598.7	599.3	598.7	598.1	597.5
165°	603.2	603.1	603.0	603.3	603.9	604.6	605.2	605.8	605.2	604.6	603.9
167.5°	608.2	608.1	608.1	608.4	609.0	609.6	610.2	610.8	610.2	609.6	609.0
170°	611.9	611.8	611.7	612.1	612.8	613.5	614.2	614.9	614.2	613.5	612.8
172.5°	614.8	614.6	614.5	614.9	615.6	616.3	617.0	617.7	617.0	616.3	615.6
175°	616.9	616.8	616.8	617.1	617.7	618.3	618.9	619.5	618.9	618.3	617.7
177.5°	618.3	618.2	618.2	618.5	619.1	619.7	620.3	620.9	620.3	619.7	619.1
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034722

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6
2.5°	1620.0	1614.6	1610.6	1606.5	1589.0	1570.1	1567.5	1563.4	1555.3	1564.8	1560.7
5°	1578.2	1566.1	1559.4	1541.8	1520.3	1504.1	1490.6	1474.5	1467.7	1462.3	1461.0
7.5°	1527.0	1516.2	1504.1	1486.6	1459.6	1432.7	1412.5	1396.3	1382.8	1376.1	1376.1
10°	1477.2	1463.7	1447.5	1417.9	1392.2	1358.6	1337.0	1320.8	1301.9	1291.2	1281.7
12.5°	1425.9	1411.1	1396.3	1358.6	1328.9	1293.9	1262.9	1242.6	1233.2	1221.1	1204.9
15°	1374.7	1351.8	1337.0	1299.2	1261.5	1226.5	1206.3	1184.7	1163.1	1151.0	1145.6
17.5°	1320.8	1304.6	1280.4	1239.9	1198.2	1167.2	1137.5	1117.3	1091.7	1079.6	1067.4
20°	1272.3	1248.0	1223.8	1183.3	1142.9	1101.1	1071.5	1047.2	1031.0	1021.6	1010.8
22.5°	1214.3	1191.4	1171.2	1128.1	1083.6	1044.5	1012.2	997.3	981.2	966.3	955.6
25°	1164.5	1141.6	1121.3	1074.2	1025.7	989.3	965.0	946.1	928.6	921.9	911.1
27.5°	1111.9	1090.3	1063.4	1016.2	973.1	942.1	916.5	899.0	885.5	872.0	863.9
30°	1062.0	1037.8	1013.5	962.3	927.3	896.3	872.0	850.4	839.7	832.9	819.4
32.5°	1013.5	982.5	962.3	915.1	881.4	851.8	831.6	812.7	799.2	787.1	776.3
35°	961.0	927.3	907.0	868.0	832.9	803.3	785.7	772.3	756.1	745.3	739.9
37.5°	911.1	882.8	862.6	822.1	787.1	762.8	744.0	726.4	719.7	704.9	702.2
40°	857.2	832.9	814.1	775.0	742.6	723.8	703.5	687.4	675.2	668.5	659.1
42.5°	808.7	788.4	768.2	731.8	700.8	677.9	663.1	648.3	637.5	626.7	620.0
45°	764.2	742.6	723.8	688.7	657.7	637.5	622.7	605.1	602.5	587.6	580.9
47.5°	717.0	698.1	682.0	645.6	617.3	597.1	579.5	567.4	555.3	549.9	540.5
50°	671.2	652.3	633.5	601.1	575.5	555.3	537.8	524.3	517.5	509.5	501.4
52.5°	621.3	606.5	591.7	558.0	532.4	514.8	500.0	482.5	475.8	469.0	463.6
55°	579.5	558.0	541.8	513.5	490.6	471.7	455.5	442.1	435.3	429.9	423.2
57.5°	522.9	509.5	496.0	470.4	448.8	429.9	413.8	403.0	394.9	390.9	392.2
60°	474.4	459.6	451.5	424.5	403.0	388.2	373.3	362.5	354.5	350.4	349.1
62.5°	423.2	412.4	397.6	378.7	357.2	343.7	332.9	324.8	311.3	310.0	305.9
65°	373.3	365.2	351.8	334.2	316.7	304.6	292.5	281.7	276.3	269.6	265.5
67.5°	324.8	316.7	304.6	289.8	277.6	265.5	254.7	243.9	234.5	229.1	226.4
70°	277.6	270.9	262.8	245.3	230.5	221.0	212.9	206.2	196.8	194.1	192.7
72.5°	231.8	225.1	221.0	206.2	192.7	184.6	176.6	169.8	165.8	164.4	160.4
75°	190.0	183.3	177.9	164.4	156.3	151.0	142.9	140.2	136.1	134.8	133.4
77.5°	148.3	141.5	140.2	130.7	121.3	118.6	115.9	110.5	110.5	110.5	107.8
80°	106.5	105.1	103.8	94.3	90.3	87.6	86.3	82.2	79.5	76.8	75.5
82.5°	71.4	70.1	68.7	64.7	60.6	59.3	58.0	55.3	55.3	56.6	53.9
85°	43.1	40.4	39.1	37.7	35.0	35.0	36.4	35.0	35.0	35.0	33.7
87.5°	16.2	16.2	16.2	16.2	17.5	14.8	16.2	16.2	14.8	14.8	13.5
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°	5.1	4.6	4.9	5.5	6.1	6.7	7.3	7.8	8.3	8.8	9.3
95°	25.0	24.8	22.9	19.0	15.1	11.2	7.3	7.8	8.3	8.8	9.3
97.5°	51.6	51.9	47.1	37.4	27.7	18.0	8.3	8.5	8.7	8.9	9.1
100°	77.9	78.1	78.3	78.7	79.1	79.5	79.9	64.7	49.5	34.3	19.1
102.5°	106.3	106.5	106.6	106.8	107.1	107.3	107.5	107.7	107.9	108.1	108.3
105°	136.7	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9
107.5°	166.3	166.3	166.4	166.6	166.8	167.0	167.2	167.3	167.4	167.5	167.6
110°	196.6	196.6	196.7	196.9	197.1	197.3	197.5	197.2	196.9	196.6	196.3

TEST NUMBER: P1034722

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	226.2	226.4	226.5	226.6	226.7	226.8	226.9	226.5	226.1	225.6	225.2
115°	255.5	255.8	255.9	256.0	256.1	256.2	256.3	255.9	255.5	255.0	254.6
117.5°	283.4	283.4	283.6	284.0	284.4	284.8	285.2	284.6	284.0	283.3	282.7
120°	310.5	310.5	310.6	310.9	311.2	311.5	311.8	311.6	311.4	311.2	311.0
122.5°	337.3	337.6	337.6	337.7	337.8	337.9	338.0	337.8	337.6	337.4	337.2
125°	363.3	363.7	363.7	363.7	363.7	363.7	363.7	363.3	362.9	362.5	362.1
127.5°	386.9	387.2	387.1	387.0	386.9	386.8	386.7	386.5	386.3	386.1	385.9
130°	408.9	409.2	409.3	409.4	409.5	409.6	409.7	409.4	409.1	408.8	408.5
132.5°	431.4	431.7	431.5	431.2	430.9	430.6	430.3	430.3	430.3	430.3	430.3
135°	452.1	452.4	452.3	452.1	451.8	451.6	451.4	451.2	451.0	450.8	450.6
137.5°	471.4	471.7	471.6	471.4	471.1	470.9	470.7	470.7	470.7	470.7	470.7
140°	488.5	488.6	488.6	488.5	488.4	488.3	488.2	488.4	488.6	488.8	489.0
142.5°	505.1	505.2	505.3	505.5	505.7	505.9	506.1	506.1	506.1	506.1	506.1
145°	522.1	522.2	522.2	522.2	522.2	522.2	522.2	522.3	522.4	522.5	522.6
147.5°	536.0	536.0	536.0	536.1	536.2	536.3	536.4	536.5	536.6	536.7	536.8
150°	548.9	548.8	548.9	549.1	549.3	549.5	549.7	549.9	550.1	550.3	550.5
152.5°	561.0	560.8	560.9	561.1	561.3	561.5	561.7	561.9	562.1	562.3	562.5
155°	571.6	571.3	571.4	571.6	571.8	572.0	572.2	572.5	572.8	573.1	573.4
157.5°	581.6	581.4	581.4	581.4	581.4	581.4	581.4	581.7	582.0	582.3	582.6
160°	589.5	589.2	589.3	589.4	589.5	589.6	589.7	590.1	590.5	590.9	591.3
162.5°	596.9	596.6	596.6	596.7	596.8	596.9	597.0	597.6	598.2	598.9	599.5
165°	603.3	603.0	603.1	603.2	603.3	603.4	603.5	604.1	604.7	605.3	605.9
167.5°	608.4	608.1	608.1	608.2	608.3	608.4	608.5	609.2	609.9	610.6	611.3
170°	612.1	611.7	611.8	611.9	612.0	612.1	612.2	613.0	613.8	614.7	615.5
172.5°	614.9	614.5	614.6	614.8	615.0	615.2	615.4	616.1	616.8	617.5	618.2
175°	617.1	616.8	616.8	616.9	617.0	617.1	617.2	618.0	618.8	619.7	620.5
177.5°	618.5	618.2	618.2	618.3	618.4	618.5	618.6	619.3	620.0	620.7	621.4
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034722

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6
2.5°	1554.0	1556.7	1549.9	1547.2	1541.8	1548.6	1549.9	1548.6	1560.7	1555.3	1558.0
5°	1463.7	1458.3	1454.2	1444.8	1444.8	1446.2	1450.2	1443.5	1447.5	1456.9	1455.6
7.5°	1363.9	1361.2	1362.6	1351.8	1343.7	1346.4	1343.7	1355.9	1362.6	1359.9	1365.3
10°	1273.6	1279.0	1266.9	1261.5	1256.1	1261.5	1260.2	1262.9	1270.9	1276.3	1285.8
12.5°	1200.9	1199.5	1192.8	1187.4	1177.9	1180.6	1188.7	1186.0	1187.4	1199.5	1198.2
15°	1132.1	1124.0	1118.6	1106.5	1109.2	1099.8	1107.9	1117.3	1121.3	1132.1	1138.9
17.5°	1063.4	1062.0	1055.3	1054.0	1039.1	1035.1	1043.2	1045.9	1049.9	1055.3	1064.7
20°	1005.4	1004.1	994.7	992.0	979.8	987.9	985.2	990.6	993.3	1004.1	1008.1
22.5°	952.9	946.1	943.4	939.4	935.4	934.0	939.4	938.0	947.5	951.5	952.9
25°	904.4	899.0	897.6	890.9	888.2	884.1	888.2	892.2	903.0	907.0	912.4
27.5°	859.9	855.8	853.1	847.7	843.7	843.7	846.4	851.8	855.8	858.5	861.2
30°	819.4	816.7	808.7	806.0	801.9	801.9	801.9	804.6	811.4	819.4	823.5
32.5°	777.7	772.3	766.9	766.9	762.8	762.8	764.2	766.9	773.6	775.0	781.7
35°	737.2	731.8	727.8	725.1	726.4	721.1	723.8	727.8	735.9	738.6	742.6
37.5°	698.1	696.8	688.7	684.7	687.4	687.4	686.0	688.7	694.1	699.5	702.2
40°	655.0	652.3	652.3	648.3	649.6	644.2	648.3	651.0	653.7	659.1	663.1
42.5°	617.3	614.6	609.2	610.5	606.5	606.5	609.2	610.5	614.6	621.3	624.0
45°	576.8	576.8	574.1	570.1	571.5	567.4	570.1	571.5	576.8	583.6	580.9
47.5°	537.8	536.4	536.4	531.0	533.7	529.7	533.7	535.1	537.8	541.8	540.5
50°	500.0	496.0	497.3	496.0	494.6	494.6	497.3	497.3	500.0	500.0	504.1
52.5°	460.9	460.9	458.2	459.6	462.3	459.6	463.6	459.6	462.3	463.6	466.3
55°	425.9	423.2	424.5	423.2	428.6	424.5	428.6	425.9	428.6	427.2	429.9
57.5°	388.2	384.1	385.5	384.1	388.2	386.8	390.9	386.8	388.2	389.5	393.5
60°	345.0	345.0	345.0	342.3	346.4	346.4	345.0	345.0	350.4	353.1	351.8
62.5°	304.6	303.2	299.2	297.9	299.2	296.5	301.9	300.6	303.2	305.9	308.6
65°	260.1	257.4	256.1	253.4	253.4	252.0	253.4	258.8	260.1	261.5	268.2
67.5°	223.7	222.4	221.0	217.0	217.0	219.7	219.7	219.7	227.8	223.7	229.1
70°	191.4	188.7	186.0	184.6	184.6	186.0	187.3	188.7	187.3	192.7	194.1
72.5°	160.4	161.7	159.0	159.0	159.0	157.7	157.7	160.4	161.7	160.4	161.7
75°	133.4	133.4	132.1	133.4	133.4	132.1	132.1	134.8	134.8	133.4	137.5
77.5°	107.8	106.5	103.8	101.1	102.4	101.1	102.4	101.1	105.1	109.2	106.5
80°	75.5	74.1	74.1	74.1	75.5	74.1	76.8	74.1	75.5	75.5	76.8
82.5°	53.9	55.3	55.3	53.9	55.3	53.9	55.3	55.3	55.3	53.9	55.3
85°	35.0	35.0	35.0	35.0	33.7	35.0	35.0	35.0	36.4	35.0	36.4
87.5°	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	16.2	14.8	16.2
90°	9.6	9.8	10.1	10.4	10.7	11.0	10.7	10.4	10.1	9.8	9.6
92.5°	9.6	9.7	9.8	9.9	10.0	10.1	10.0	9.9	9.8	9.7	9.6
95°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
97.5°	9.2	9.2	9.3	9.4	9.5	9.6	9.5	9.4	9.3	9.2	9.2
100°	11.5	11.3	10.9	10.4	10.0	9.6	10.0	10.4	10.9	11.3	11.5
102.5°	108.4	104.1	95.5	87.0	78.4	69.8	78.4	87.0	95.5	104.1	108.4
105°	136.9	136.8	136.7	136.6	136.5	136.4	136.5	136.6	136.7	136.8	136.9
107.5°	167.6	167.4	167.0	166.6	166.2	165.8	166.2	166.6	167.0	167.4	167.6
110°	196.1	196.2	196.3	196.4	196.5	196.6	196.5	196.4	196.3	196.2	196.1

TEST NUMBER: P1034722

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	225.0	224.9	224.7	224.5	224.3	224.1	224.3	224.5	224.7	224.9	225.0
115°	254.4	254.1	253.5	252.9	252.3	251.7	252.3	252.9	253.5	254.1	254.4
117.5°	282.4	282.3	282.1	281.9	281.7	281.5	281.7	281.9	282.1	282.3	282.4
120°	310.9	310.6	310.1	309.6	309.1	308.6	309.1	309.6	310.1	310.6	310.9
122.5°	337.1	336.8	336.2	335.5	334.9	334.3	334.9	335.5	336.2	336.8	337.1
125°	361.9	361.7	361.4	361.1	360.8	360.5	360.8	361.1	361.4	361.7	361.9
127.5°	385.8	385.4	384.6	383.7	382.9	382.1	382.9	383.7	384.6	385.4	385.8
130°	408.3	408.0	407.5	407.0	406.5	406.0	406.5	407.0	407.5	408.0	408.3
132.5°	430.3	430.0	429.5	429.0	428.5	428.0	428.5	429.0	429.5	430.0	430.3
135°	450.5	450.2	449.6	449.0	448.4	447.8	448.4	449.0	449.6	450.2	450.5
137.5°	470.7	470.4	469.9	469.4	468.9	468.4	468.9	469.4	469.9	470.4	470.7
140°	489.1	488.8	488.2	487.6	487.0	486.4	487.0	487.6	488.2	488.8	489.1
142.5°	506.1	505.8	505.2	504.5	503.9	503.3	503.9	504.5	505.2	505.8	506.1
145°	522.6	522.3	521.7	521.1	520.5	519.9	520.5	521.1	521.7	522.3	522.6
147.5°	536.9	536.5	535.8	535.1	534.4	533.7	534.4	535.1	535.8	536.5	536.9
150°	550.6	550.2	549.4	548.6	547.8	547.0	547.8	548.6	549.4	550.2	550.6
152.5°	562.6	562.2	561.5	560.8	560.1	559.4	560.1	560.8	561.5	562.2	562.6
155°	573.6	573.2	572.4	571.5	570.7	569.9	570.7	571.5	572.4	573.2	573.6
157.5°	582.8	582.4	581.6	580.7	579.9	579.1	579.9	580.7	581.6	582.4	582.8
160°	591.5	591.1	590.3	589.4	588.6	587.8	588.6	589.4	590.3	591.1	591.5
162.5°	599.8	599.3	598.4	597.5	596.6	595.7	596.6	597.5	598.4	599.3	599.8
165°	606.2	605.8	605.0	604.1	603.3	602.5	603.3	604.1	605.0	605.8	606.2
167.5°	611.7	611.2	610.3	609.4	608.5	607.6	608.5	609.4	610.3	611.2	611.7
170°	615.9	615.4	614.5	613.6	612.6	611.7	612.6	613.6	614.5	615.4	615.9
172.5°	618.6	618.1	617.2	616.3	615.4	614.5	615.4	616.3	617.2	618.1	618.6
175°	620.9	620.4	619.5	618.6	617.7	616.8	617.7	618.6	619.5	620.4	620.9
177.5°	621.8	621.4	620.6	619.8	619.0	618.2	619.0	619.8	620.6	621.4	621.8
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034722

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6
2.5°	1552.6	1559.4	1554.0	1549.9	1560.7	1566.1	1566.1	1575.5	1585.0	1593.1	1594.4
5°	1456.9	1467.7	1470.4	1469.1	1485.2	1493.3	1510.8	1520.3	1533.8	1543.2	1554.0
7.5°	1369.3	1384.2	1385.5	1388.2	1412.5	1425.9	1440.8	1465.0	1483.9	1497.4	1509.5
10°	1281.7	1291.2	1300.6	1312.7	1337.0	1359.9	1381.5	1407.1	1431.3	1444.8	1462.3
12.5°	1215.7	1222.4	1233.2	1241.3	1266.9	1287.1	1315.4	1350.5	1385.5	1396.3	1417.9
15°	1147.0	1151.0	1172.6	1180.6	1202.2	1235.9	1253.4	1287.1	1324.9	1345.1	1369.3
17.5°	1067.4	1091.7	1105.2	1114.6	1141.6	1168.5	1196.8	1231.9	1280.4	1299.2	1316.8
20°	1010.8	1028.3	1043.2	1055.3	1079.6	1120.0	1145.6	1173.9	1219.7	1241.3	1266.9
22.5°	961.0	975.8	989.3	1002.7	1018.9	1055.3	1085.0	1124.0	1169.9	1190.1	1219.7
25°	913.8	928.6	936.7	952.9	974.4	1000.0	1035.1	1070.1	1116.0	1138.9	1167.2
27.5°	868.0	882.8	897.6	911.1	925.9	950.2	974.4	1018.9	1066.1	1093.0	1117.3
30°	828.9	835.6	849.1	863.9	878.7	901.7	930.0	961.0	1014.9	1039.1	1068.8
32.5°	785.7	797.9	807.3	818.1	837.0	855.8	881.4	920.5	963.7	986.6	1018.9
35°	745.3	756.1	762.8	781.7	793.8	814.1	839.7	874.7	911.1	936.7	965.0
37.5°	706.2	717.0	725.1	735.9	752.1	769.6	796.5	822.1	865.3	886.8	919.2
40°	665.8	675.2	684.7	696.8	711.6	733.2	749.4	781.7	816.7	841.0	865.3
42.5°	626.7	632.1	642.9	656.4	671.2	690.1	713.0	738.6	773.6	795.2	816.7
45°	584.9	594.4	606.5	615.9	629.4	648.3	668.5	691.4	726.4	748.0	770.9
47.5°	545.8	552.6	560.7	575.5	593.0	606.5	628.1	649.6	682.0	702.2	723.8
50°	505.4	512.2	524.3	533.7	547.2	564.7	584.9	607.8	638.8	652.3	673.9
52.5°	467.7	470.4	482.5	491.9	505.4	525.6	541.8	562.0	591.7	606.5	628.1
55°	429.9	432.6	439.4	448.8	463.6	479.8	497.3	520.2	545.8	559.3	579.5
57.5°	390.9	393.5	400.3	407.0	421.9	436.7	456.9	475.8	501.4	513.5	532.4
60°	351.8	351.8	358.5	367.9	378.7	392.2	409.7	432.6	451.5	466.3	479.8
62.5°	310.0	314.0	318.1	324.8	336.9	353.1	367.9	384.1	407.0	417.8	429.9
65°	268.2	272.2	280.3	287.1	296.5	307.3	326.2	339.6	357.2	369.3	380.1
67.5°	231.8	235.9	241.3	249.3	256.1	268.2	281.7	295.2	314.0	322.1	330.2
70°	194.1	198.1	202.2	212.9	219.7	229.1	238.6	252.0	268.2	273.6	280.3
72.5°	164.4	165.8	171.2	173.9	183.3	191.4	202.2	210.3	222.4	229.1	234.5
75°	138.8	138.8	140.2	142.9	148.3	153.6	161.7	169.8	180.6	184.6	191.4
77.5°	109.2	113.2	111.9	114.6	117.3	120.0	126.7	132.1	142.9	145.6	148.3
80°	78.2	79.5	83.6	87.6	87.6	91.6	95.7	97.0	103.8	107.8	107.8
82.5°	56.6	58.0	56.6	58.0	59.3	60.6	64.7	70.1	70.1	71.4	74.1
85°	35.0	35.0	36.4	37.7	37.7	36.4	39.1	37.7	39.1	41.8	41.8
87.5°	17.5	16.2	16.2	16.2	16.2	16.2	17.5	16.2	17.5	17.5	17.5
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	5.5	4.9	4.6	5.1
95°	9.3	8.8	8.3	7.8	7.3	11.2	15.1	19.0	22.9	24.8	25.0
97.5°	9.1	8.9	8.7	8.5	8.3	18.0	27.7	37.4	47.1	51.9	51.6
100°	19.1	34.3	49.5	64.7	79.9	79.5	79.1	78.7	78.3	78.1	77.9
102.5°	108.3	108.1	107.9	107.7	107.5	107.3	107.1	106.8	106.6	106.5	106.3
105°	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.7
107.5°	167.6	167.5	167.4	167.3	167.2	167.0	166.8	166.6	166.4	166.3	166.3
110°	196.3	196.6	196.9	197.2	197.5	197.3	197.1	196.9	196.7	196.6	196.6

TEST NUMBER: P1034722

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	225.2	225.6	226.1	226.5	226.9	226.8	226.7	226.6	226.5	226.4	226.2
115°	254.6	255.0	255.5	255.9	256.3	256.2	256.1	256.0	255.9	255.8	255.5
117.5°	282.7	283.3	284.0	284.6	285.2	284.8	284.4	284.0	283.6	283.4	283.4
120°	311.0	311.2	311.4	311.6	311.8	311.5	311.2	310.9	310.6	310.5	310.5
122.5°	337.2	337.4	337.6	337.8	338.0	337.9	337.8	337.7	337.6	337.6	337.3
125°	362.1	362.5	362.9	363.3	363.7	363.7	363.7	363.7	363.7	363.7	363.3
127.5°	385.9	386.1	386.3	386.5	386.7	386.8	386.9	387.0	387.1	387.2	386.9
130°	408.5	408.8	409.1	409.4	409.7	409.6	409.5	409.4	409.3	409.2	408.9
132.5°	430.3	430.3	430.3	430.3	430.3	430.6	430.9	431.2	431.5	431.7	431.4
135°	450.6	450.8	451.0	451.2	451.4	451.6	451.8	452.1	452.3	452.4	452.1
137.5°	470.7	470.7	470.7	470.7	470.7	470.9	471.1	471.4	471.6	471.7	471.4
140°	489.0	488.8	488.6	488.4	488.2	488.3	488.4	488.5	488.6	488.6	488.5
142.5°	506.1	506.1	506.1	506.1	506.1	505.9	505.7	505.5	505.3	505.2	505.1
145°	522.6	522.5	522.4	522.3	522.2	522.2	522.2	522.2	522.2	522.2	522.1
147.5°	536.8	536.7	536.6	536.5	536.4	536.3	536.2	536.1	536.0	536.0	536.0
150°	550.5	550.3	550.1	549.9	549.7	549.5	549.3	549.1	548.9	548.8	548.9
152.5°	562.5	562.3	562.1	561.9	561.7	561.5	561.3	561.1	560.9	560.8	561.0
155°	573.4	573.1	572.8	572.5	572.2	572.0	571.8	571.6	571.4	571.3	571.6
157.5°	582.6	582.3	582.0	581.7	581.4	581.4	581.4	581.4	581.4	581.4	581.6
160°	591.3	590.9	590.5	590.1	589.7	589.6	589.5	589.4	589.3	589.2	589.5
162.5°	599.5	598.9	598.2	597.6	597.0	596.9	596.8	596.7	596.6	596.6	596.9
165°	605.9	605.3	604.7	604.1	603.5	603.4	603.3	603.2	603.1	603.0	603.3
167.5°	611.3	610.6	609.9	609.2	608.5	608.4	608.3	608.2	608.1	608.1	608.4
170°	615.5	614.7	613.8	613.0	612.2	612.1	612.0	611.9	611.8	611.7	612.1
172.5°	618.2	617.5	616.8	616.1	615.4	615.2	615.0	614.8	614.6	614.5	614.9
175°	620.5	619.7	618.8	618.0	617.2	617.1	617.0	616.9	616.8	616.8	617.1
177.5°	621.4	620.7	620.0	619.3	618.6	618.5	618.4	618.3	618.2	618.2	618.5
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

TEST NUMBER: P1034722

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1641.6	1641.6	1641.6	1641.6
2.5°	1603.8	1616.0	1628.1	1642.9
5°	1571.5	1593.1	1616.0	1637.5
7.5°	1536.5	1567.5	1597.1	1628.1
10°	1497.4	1536.5	1570.1	1613.3
12.5°	1454.2	1496.0	1543.2	1591.7
15°	1411.1	1463.7	1513.5	1568.8
17.5°	1370.7	1420.5	1475.8	1541.8
20°	1322.2	1377.4	1439.4	1509.5
22.5°	1270.9	1331.6	1399.0	1474.5
25°	1227.8	1289.8	1354.5	1434.0
27.5°	1180.6	1245.3	1308.7	1393.6
30°	1126.7	1196.8	1261.5	1349.1
32.5°	1075.5	1145.6	1217.0	1299.2
35°	1025.7	1094.4	1165.8	1249.4
37.5°	978.5	1040.5	1110.6	1186.0
40°	934.0	990.6	1052.6	1121.3
42.5°	877.4	943.4	1001.4	1051.3
45°	828.9	882.8	936.7	977.1
47.5°	772.3	826.2	872.0	904.4
50°	725.1	768.2	806.0	834.3
52.5°	668.5	708.9	739.9	761.5
55°	613.2	648.3	675.2	690.1
57.5°	563.4	586.3	606.5	620.0
60°	508.1	525.6	543.2	558.0
62.5°	448.8	467.7	477.1	493.3
65°	396.2	408.4	423.2	428.6
67.5°	345.0	351.8	361.2	372.0
70°	291.1	295.2	304.6	319.4
72.5°	243.9	248.0	254.7	260.1
75°	194.1	198.1	203.5	208.9
77.5°	152.3	153.6	156.3	161.7
80°	110.5	114.6	117.3	118.6
82.5°	76.8	78.2	78.2	79.5
85°	48.5	45.8	45.8	47.2
87.5°	17.5	20.2	20.2	22.9
90°	2.9	2.1	1.3	0.5
92.5°	6.0	6.9	7.8	8.7
95°	25.3	25.6	25.9	26.2
97.5°	51.0	50.3	49.7	49.1
100°	77.6	77.3	77.0	76.7
102.5°	105.9	105.5	105.1	104.7
105°	136.3	135.8	135.4	135.0
107.5°	166.3	166.3	166.3	166.3
110°	196.6	196.6	196.6	196.6

TEST NUMBER: P1034722

CATALOG NUMBER: S125RDIW-B1090D470UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	225.9	225.6	225.3	225.0
115°	255.0	254.5	254.0	253.5
117.5°	283.4	283.4	283.4	283.4
120°	310.6	310.7	310.8	310.9
122.5°	336.8	336.3	335.8	335.3
125°	362.6	361.9	361.2	360.5
127.5°	386.4	385.9	385.4	384.9
130°	408.4	407.9	407.4	406.9
132.5°	430.8	430.1	429.5	428.9
135°	451.5	450.8	450.2	449.6
137.5°	470.8	470.1	469.5	468.9
140°	488.3	488.1	487.9	487.7
142.5°	505.0	504.9	504.8	504.7
145°	521.9	521.7	521.5	521.3
147.5°	536.0	536.0	536.0	536.0
150°	549.1	549.3	549.5	549.7
152.5°	561.5	562.0	562.5	563.0
155°	572.2	572.9	573.5	574.1
157.5°	581.9	582.2	582.5	582.8
160°	590.1	590.8	591.4	592.0
162.5°	597.5	598.1	598.7	599.3
165°	603.9	604.6	605.2	605.8
167.5°	609.0	609.6	610.2	610.8
170°	612.8	613.5	614.2	614.9
172.5°	615.6	616.3	617.0	617.7
175°	617.7	618.3	618.9	619.5
177.5°	619.1	619.7	620.3	620.9
180°	619.5	619.5	619.5	619.5

(END OF REPORT)