

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: P1027076

Luminaire Tested: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1027076
REPORT IS A COMBINATION OF REPORTS P1005007 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3500K
Description: Define 5 Regressed Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721}
{m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

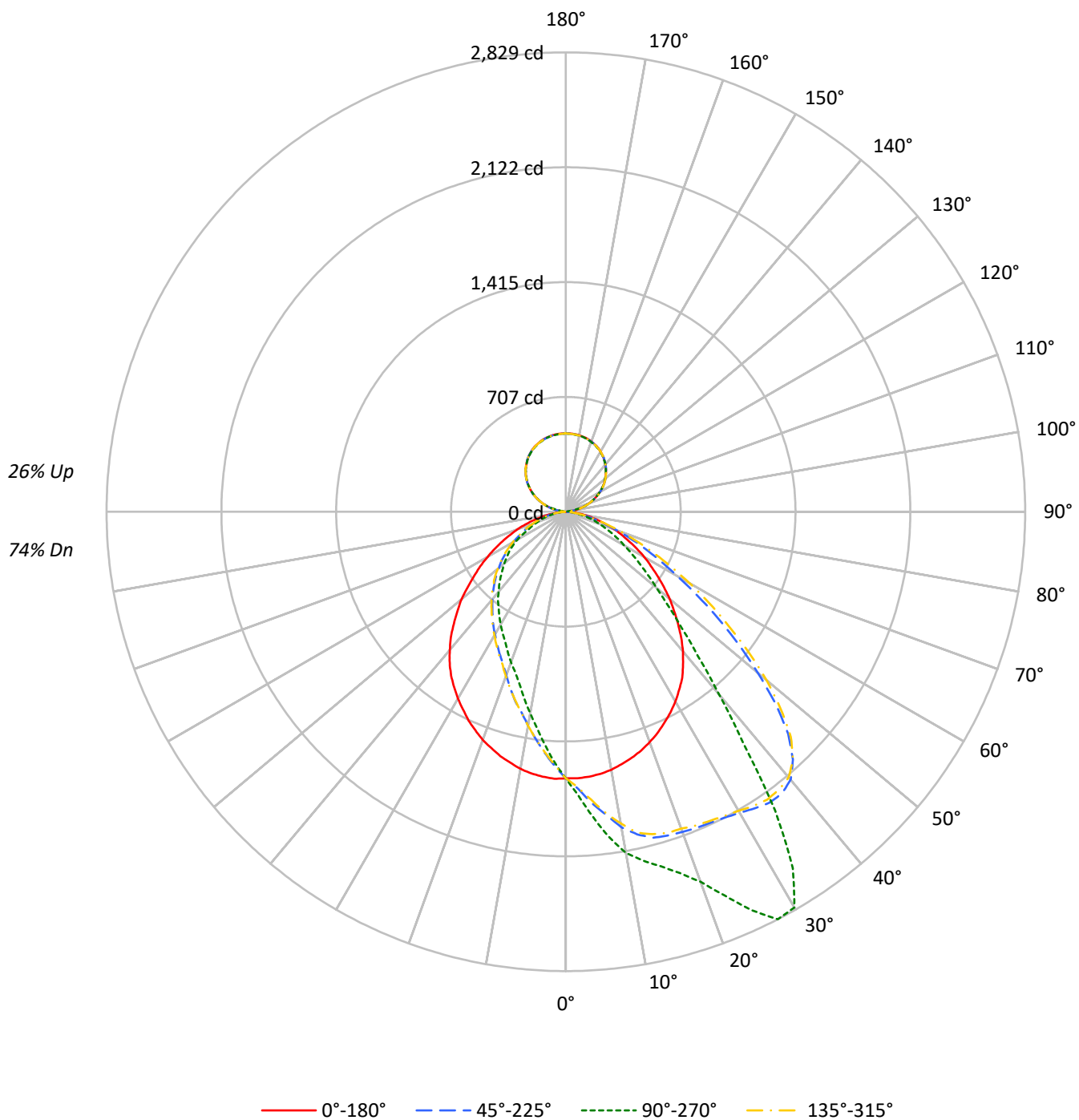
Lumens per Lamp: N/A
Luminaire Lumens: 5734.0 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.4 / 1.47
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 56.1
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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78
1	104	100	96	92	99	95	92	89	86	83	81	78	76	74	70	69	68
2	95	88	82	77	90	84	78	74	76	72	68	69	66	63	63	60	58
3	87	78	70	64	83	74	68	62	68	62	58	62	57	54	56	53	50
4	80	69	61	55	76	66	59	53	60	55	50	55	50	47	50	46	43
5	74	62	54	48	70	59	52	46	54	48	43	50	45	41	46	41	38
6	68	56	48	42	65	54	46	41	49	43	38	45	40	36	41	37	34
7	63	51	43	37	60	49	41	36	45	39	34	41	36	32	38	33	30
8	59	46	38	33	56	44	37	32	41	35	30	38	33	29	35	30	27
9	55	42	35	30	52	41	34	29	38	32	27	35	30	26	32	28	24
10	51	39	32	27	49	38	31	26	35	29	25	32	27	24	30	25	22

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	2.7
10°-20°	461.5	8.0
20°-30°	731.8	12.8
30°-40°	884.2	15.4
40°-50°	787.3	13.7
50°-60°	603.7	10.5
60°-70°	392.1	6.8
70°-80°	190.3	3.3
80°-90°	45.5	0.8
90°-100°	16.4	0.3
100°-110°	108.8	1.9
110°-120°	195.8	3.4
120°-130°	251.4	4.4
130°-140°	270.4	4.7
140°-150°	253.8	4.4
150°-160°	205.3	3.6
160°-170°	132.7	2.3
170°-180°	45.8	0.8
0°-30°	1350.7	23.6
0°-40°	2234.9	39.0
0°-60°	3625.9	63.2
0°-90°	4253.7	74.2
90°-120°	321.0	5.6
90°-150°	1096.5	19.1
90°-180°	1480.0	25.8
0°-180°	5734.0	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	9	0	9	0	4
95°	20	8	20	8	20	25
105°	105	106	105	106	105	111
115°	197	196	197	196	197	195
125°	280	280	280	280	280	251
135°	350	348	350	348	350	270
145°	406	404	406	404	406	254
155°	446	443	446	443	446	206
165°	471	469	471	469	471	133
175°	482	480	482	480	482	46
180°	482	482	482	482	482	

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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°	0.4	1.0	1.6	2.3	2.9	3.2	3.5	4.0	4.6	5.1	5.7
92.5°	6.8	6.1	5.4	4.7	4.0	3.6	3.8	4.3	4.8	5.2	5.7
95°	20.4	20.2	19.9	19.7	19.4	19.3	17.8	14.8	11.7	8.7	5.7
97.5°	38.2	38.7	39.2	39.7	40.2	40.4	36.6	29.1	21.5	14.0	6.4
100°	59.7	59.9	60.1	60.4	60.6	60.7	60.9	61.2	61.5	61.9	62.2
102.5°	81.4	81.7	82.1	82.4	82.7	82.9	83.0	83.1	83.3	83.4	83.6
105°	105.0	105.3	105.7	106.0	106.3	106.5	106.5	106.5	106.5	106.5	106.5
107.5°	129.3	129.3	129.3	129.3	129.3	129.3	129.4	129.5	129.7	129.8	130.0
110°	152.9	152.9	152.9	152.9	152.9	152.9	153.0	153.1	153.3	153.4	153.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	175.0	175.2	175.5	175.7	176.0	176.1	176.1	176.2	176.3	176.4	176.5
115°	197.2	197.6	198.0	198.4	198.8	199.0	199.0	199.1	199.2	199.2	199.3
117.5°	220.4	220.4	220.4	220.4	220.4	220.4	220.6	220.9	221.2	221.5	221.8
120°	241.8	241.7	241.7	241.6	241.5	241.5	241.6	241.9	242.1	242.4	242.6
122.5°	260.8	261.2	261.6	262.0	262.4	262.6	262.6	262.7	262.8	262.8	262.9
125°	280.4	281.0	281.5	282.1	282.6	282.9	282.9	282.9	282.9	282.9	282.9
127.5°	299.4	299.8	300.2	300.5	300.9	301.1	301.1	301.0	300.9	300.9	300.8
130°	316.5	316.9	317.3	317.7	318.1	318.3	318.3	318.4	318.5	318.5	318.6
132.5°	333.6	334.1	334.6	335.1	335.6	335.8	335.7	335.4	335.2	334.9	334.7
135°	349.7	350.2	350.7	351.2	351.7	351.9	351.8	351.7	351.5	351.4	351.2
137.5°	364.7	365.2	365.7	366.2	366.7	366.9	366.8	366.7	366.5	366.4	366.2
140°	379.4	379.6	379.7	379.9	380.0	380.1	380.1	380.0	379.9	379.8	379.7
142.5°	392.6	392.7	392.7	392.8	392.9	392.9	393.0	393.2	393.3	393.5	393.7
145°	405.5	405.7	405.8	406.0	406.1	406.2	406.2	406.2	406.2	406.2	406.2
147.5°	416.9	416.9	416.9	416.9	416.9	416.9	416.9	417.0	417.1	417.1	417.2
150°	427.6	427.4	427.3	427.1	427.0	426.9	427.0	427.1	427.3	427.4	427.6
152.5°	438.0	437.6	437.2	436.8	436.4	436.2	436.3	436.4	436.6	436.7	436.9
155°	446.5	446.0	445.6	445.1	444.6	444.4	444.5	444.6	444.8	444.9	445.1
157.5°	453.3	453.1	452.8	452.6	452.3	452.2	452.2	452.2	452.2	452.2	452.2
160°	460.5	460.0	459.5	459.0	458.5	458.3	458.3	458.4	458.5	458.6	458.7
162.5°	466.2	465.7	465.2	464.7	464.2	464.0	464.0	464.1	464.2	464.3	464.4
165°	471.2	470.7	470.2	469.7	469.2	469.0	469.0	469.1	469.2	469.3	469.4
167.5°	475.1	474.6	474.2	473.7	473.2	473.0	473.0	473.1	473.2	473.2	473.3
170°	478.3	477.7	477.2	476.6	476.1	475.8	475.8	475.9	476.0	476.1	476.2
172.5°	480.5	479.9	479.4	478.8	478.3	478.0	478.1	478.2	478.4	478.5	478.7
175°	481.9	481.4	481.0	480.5	480.0	479.8	479.8	479.9	480.0	480.0	480.1
177.5°	483.0	482.5	482.0	481.5	481.0	480.8	480.8	480.9	481.0	481.1	481.2
180°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9

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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°	6.1	6.5	6.9	7.3	7.5	7.6	7.9	8.1	8.4	8.6	8.4
92.5°	6.1	6.5	6.9	7.3	7.5	7.5	7.6	7.7	7.8	7.9	7.8
95°	6.1	6.5	6.9	7.3	7.5	7.5	7.5	7.5	7.5	7.5	7.5
97.5°	6.6	6.7	6.9	7.0	7.1	7.1	7.2	7.3	7.4	7.5	7.4
100°	50.4	38.5	26.7	14.8	8.9	8.7	8.4	8.1	7.8	7.5	7.8
102.5°	83.8	83.9	84.1	84.2	84.3	81.0	74.3	67.6	61.0	54.3	61.0
105°	106.5	106.5	106.5	106.5	106.5	106.5	106.4	106.3	106.2	106.1	106.2
107.5°	130.1	130.2	130.3	130.4	130.4	130.2	129.9	129.6	129.3	129.0	129.3
110°	153.4	153.1	152.9	152.6	152.5	152.5	152.6	152.7	152.8	152.9	152.8

TEST NUMBER: P1027076

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	176.2	175.8	175.5	175.2	175.0	174.9	174.8	174.6	174.5	174.3	174.5
115°	199.0	198.7	198.4	198.1	197.9	197.7	197.2	196.7	196.3	195.8	196.3
117.5°	221.3	220.9	220.4	219.9	219.7	219.6	219.5	219.3	219.2	219.0	219.2
120°	242.4	242.2	242.1	241.9	241.8	241.6	241.2	240.9	240.5	240.1	240.5
122.5°	262.7	262.6	262.4	262.3	262.2	262.0	261.5	261.0	260.6	260.1	260.6
125°	282.6	282.3	282.0	281.7	281.5	281.4	281.1	280.9	280.6	280.4	280.6
127.5°	300.6	300.5	300.3	300.2	300.1	299.8	299.1	298.5	297.8	297.2	297.8
130°	318.4	318.2	317.9	317.7	317.6	317.4	317.0	316.6	316.2	315.8	316.2
132.5°	334.7	334.7	334.7	334.7	334.7	334.5	334.1	333.7	333.3	332.9	333.3
135°	351.0	350.8	350.7	350.5	350.4	350.2	349.7	349.2	348.8	348.3	348.8
137.5°	366.2	366.2	366.2	366.2	366.2	366.0	365.6	365.2	364.8	364.4	364.8
140°	379.9	380.0	380.2	380.3	380.4	380.2	379.7	379.2	378.8	378.3	378.8
142.5°	393.7	393.7	393.7	393.7	393.7	393.5	393.0	392.5	392.0	391.5	392.0
145°	406.3	406.3	406.4	406.5	406.5	406.3	405.8	405.3	404.9	404.4	404.9
147.5°	417.3	417.4	417.5	417.6	417.6	417.3	416.8	416.2	415.7	415.1	415.7
150°	427.8	427.9	428.1	428.2	428.3	428.0	427.4	426.7	426.1	425.5	426.1
152.5°	437.1	437.2	437.4	437.5	437.6	437.3	436.8	436.2	435.7	435.1	435.7
155°	445.3	445.6	445.8	446.1	446.2	445.9	445.2	444.6	443.9	443.3	443.9
157.5°	452.4	452.7	452.9	453.2	453.3	453.0	452.4	451.7	451.1	450.5	451.1
160°	459.0	459.3	459.6	459.9	460.1	459.8	459.1	458.5	457.8	457.2	457.8
162.5°	464.9	465.3	465.8	466.3	466.5	466.1	465.4	464.7	464.0	463.3	464.0
165°	469.9	470.3	470.8	471.3	471.5	471.2	470.6	469.9	469.3	468.7	469.3
167.5°	473.9	474.4	475.0	475.5	475.8	475.4	474.7	474.0	473.3	472.6	473.3
170°	476.8	477.4	478.1	478.7	479.0	478.6	477.9	477.2	476.5	475.8	476.5
172.5°	479.3	479.8	480.4	480.9	481.2	480.8	480.1	479.4	478.7	478.0	478.7
175°	480.7	481.4	482.0	482.7	483.0	482.6	481.9	481.2	480.5	479.8	480.5
177.5°	481.8	482.3	482.9	483.4	483.7	483.4	482.7	482.1	481.4	480.8	481.4
180°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9

TEST NUMBER: P1027076

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-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°	8.1	7.9	7.6	7.5	7.3	6.9	6.5	6.1	5.7	5.1	4.6
92.5°	7.7	7.6	7.5	7.5	7.3	6.9	6.5	6.1	5.7	5.2	4.8
95°	7.5	7.5	7.5	7.5	7.3	6.9	6.5	6.1	5.7	8.7	11.7
97.5°	7.3	7.2	7.1	7.1	7.0	6.9	6.7	6.6	6.4	14.0	21.5
100°	8.1	8.4	8.7	8.9	14.8	26.7	38.5	50.4	62.2	61.9	61.5
102.5°	67.6	74.3	81.0	84.3	84.2	84.1	83.9	83.8	83.6	83.4	83.3
105°	106.3	106.4	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5
107.5°	129.6	129.9	130.2	130.4	130.4	130.3	130.2	130.1	130.0	129.8	129.7
110°	152.7	152.6	152.5	152.5	152.6	152.9	153.1	153.4	153.6	153.4	153.3

TEST NUMBER: P1027076

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	174.6	174.8	174.9	175.0	175.2	175.5	175.8	176.2	176.5	176.4	176.3
115°	196.7	197.2	197.7	197.9	198.1	198.4	198.7	199.0	199.3	199.2	199.2
117.5°	219.3	219.5	219.6	219.7	219.9	220.4	220.9	221.3	221.8	221.5	221.2
120°	240.9	241.2	241.6	241.8	241.9	242.1	242.2	242.4	242.6	242.4	242.1
122.5°	261.0	261.5	262.0	262.2	262.3	262.4	262.6	262.7	262.9	262.8	262.8
125°	280.9	281.1	281.4	281.5	281.7	282.0	282.3	282.6	282.9	282.9	282.9
127.5°	298.5	299.1	299.8	300.1	300.2	300.3	300.5	300.6	300.8	300.9	300.9
130°	316.6	317.0	317.4	317.6	317.7	317.9	318.2	318.4	318.6	318.5	318.5
132.5°	333.7	334.1	334.5	334.7	334.7	334.7	334.7	334.7	334.7	334.9	335.2
135°	349.2	349.7	350.2	350.4	350.5	350.7	350.8	351.0	351.2	351.4	351.5
137.5°	365.2	365.6	366.0	366.2	366.2	366.2	366.2	366.2	366.2	366.4	366.5
140°	379.2	379.7	380.2	380.4	380.3	380.2	380.0	379.9	379.7	379.8	379.9
142.5°	392.5	393.0	393.5	393.7	393.7	393.7	393.7	393.7	393.7	393.5	393.3
145°	405.3	405.8	406.3	406.5	406.5	406.4	406.3	406.3	406.2	406.2	406.2
147.5°	416.2	416.8	417.3	417.6	417.6	417.5	417.4	417.3	417.2	417.1	417.1
150°	426.7	427.4	428.0	428.3	428.2	428.1	427.9	427.8	427.6	427.4	427.3
152.5°	436.2	436.8	437.3	437.6	437.5	437.4	437.2	437.1	436.9	436.7	436.6
155°	444.6	445.2	445.9	446.2	446.1	445.8	445.6	445.3	445.1	444.9	444.8
157.5°	451.7	452.4	453.0	453.3	453.2	452.9	452.7	452.4	452.2	452.2	452.2
160°	458.5	459.1	459.8	460.1	459.9	459.6	459.3	459.0	458.7	458.6	458.5
162.5°	464.7	465.4	466.1	466.5	466.3	465.8	465.3	464.9	464.4	464.3	464.2
165°	469.9	470.6	471.2	471.5	471.3	470.8	470.3	469.9	469.4	469.3	469.2
167.5°	474.0	474.7	475.4	475.8	475.5	475.0	474.4	473.9	473.3	473.2	473.2
170°	477.2	477.9	478.6	479.0	478.7	478.1	477.4	476.8	476.2	476.1	476.0
172.5°	479.4	480.1	480.8	481.2	480.9	480.4	479.8	479.3	478.7	478.5	478.4
175°	481.2	481.9	482.6	483.0	482.7	482.0	481.4	480.7	480.1	480.0	480.0
177.5°	482.1	482.7	483.4	483.7	483.4	482.9	482.3	481.8	481.2	481.1	481.0
180°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9

TEST NUMBER: P1027076

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-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°	4.0	3.5	3.2	2.9	2.3	1.6	1.0	0.4	1.0	1.6	2.3
92.5°	4.3	3.8	3.6	4.0	4.7	5.4	6.1	6.8	6.1	5.4	4.7
95°	14.8	17.8	19.3	19.4	19.7	19.9	20.2	20.4	20.2	19.9	19.7
97.5°	29.1	36.6	40.4	40.2	39.7	39.2	38.7	38.2	38.7	39.2	39.7
100°	61.2	60.9	60.7	60.6	60.4	60.1	59.9	59.7	59.9	60.1	60.4
102.5°	83.1	83.0	82.9	82.7	82.4	82.1	81.7	81.4	81.7	82.1	82.4
105°	106.5	106.5	106.5	106.3	106.0	105.7	105.3	105.0	105.3	105.7	106.0
107.5°	129.5	129.4	129.3	129.3	129.3	129.3	129.3	129.3	129.3	129.3	129.3
110°	153.1	153.0	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9

TEST NUMBER: P1027076

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	176.2	176.1	176.1	176.0	175.7	175.5	175.2	175.0	175.2	175.5	175.7
115°	199.1	199.0	199.0	198.8	198.4	198.0	197.6	197.2	197.6	198.0	198.4
117.5°	220.9	220.6	220.4	220.4	220.4	220.4	220.4	220.4	220.4	220.4	220.4
120°	241.9	241.6	241.5	241.5	241.6	241.7	241.7	241.8	241.7	241.7	241.6
122.5°	262.7	262.6	262.6	262.4	262.0	261.6	261.2	260.8	261.2	261.6	262.0
125°	282.9	282.9	282.9	282.6	282.1	281.5	281.0	280.4	281.0	281.5	282.1
127.5°	301.0	301.1	301.1	300.9	300.5	300.2	299.8	299.4	299.8	300.2	300.5
130°	318.4	318.3	318.3	318.1	317.7	317.3	316.9	316.5	316.9	317.3	317.7
132.5°	335.4	335.7	335.8	335.6	335.1	334.6	334.1	333.6	334.1	334.6	335.1
135°	351.7	351.8	351.9	351.7	351.2	350.7	350.2	349.7	350.2	350.7	351.2
137.5°	366.7	366.8	366.9	366.7	366.2	365.7	365.2	364.7	365.2	365.7	366.2
140°	380.0	380.1	380.1	380.0	379.9	379.7	379.6	379.4	379.6	379.7	379.9
142.5°	393.2	393.0	392.9	392.9	392.8	392.7	392.7	392.6	392.7	392.7	392.8
145°	406.2	406.2	406.2	406.1	406.0	405.8	405.7	405.5	405.7	405.8	406.0
147.5°	417.0	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9
150°	427.1	427.0	426.9	427.0	427.1	427.3	427.4	427.6	427.4	427.3	427.1
152.5°	436.4	436.3	436.2	436.4	436.8	437.2	437.6	438.0	437.6	437.2	436.8
155°	444.6	444.5	444.4	444.6	445.1	445.6	446.0	446.5	446.0	445.6	445.1
157.5°	452.2	452.2	452.2	452.3	452.6	452.8	453.1	453.3	453.1	452.8	452.6
160°	458.4	458.3	458.3	458.5	459.0	459.5	460.0	460.5	460.0	459.5	459.0
162.5°	464.1	464.0	464.0	464.2	464.7	465.2	465.7	466.2	465.7	465.2	464.7
165°	469.1	469.0	469.0	469.2	469.7	470.2	470.7	471.2	470.7	470.2	469.7
167.5°	473.1	473.0	473.0	473.2	473.7	474.2	474.6	475.1	474.6	474.2	473.7
170°	475.9	475.8	475.8	476.1	476.6	477.2	477.7	478.3	477.7	477.2	476.6
172.5°	478.2	478.1	478.0	478.3	478.8	479.4	479.9	480.5	479.9	479.4	478.8
175°	479.9	479.8	479.8	480.0	480.5	481.0	481.4	481.9	481.4	481.0	480.5
177.5°	480.9	480.8	480.8	481.0	481.5	482.0	482.5	483.0	482.5	482.0	481.5
180°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9

TEST NUMBER: P1027076

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-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°	2.9	3.2	3.5	4.0	4.6	5.1	5.7	6.1	6.5	6.9	7.3
92.5°	4.0	3.6	3.8	4.3	4.8	5.2	5.7	6.1	6.5	6.9	7.3
95°	19.4	19.3	17.8	14.8	11.7	8.7	5.7	6.1	6.5	6.9	7.3
97.5°	40.2	40.4	36.6	29.1	21.5	14.0	6.4	6.6	6.7	6.9	7.0
100°	60.6	60.7	60.9	61.2	61.5	61.9	62.2	50.4	38.5	26.7	14.8
102.5°	82.7	82.9	83.0	83.1	83.3	83.4	83.6	83.8	83.9	84.1	84.2
105°	106.3	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5
107.5°	129.3	129.3	129.4	129.5	129.7	129.8	130.0	130.1	130.2	130.3	130.4
110°	152.9	152.9	153.0	153.1	153.3	153.4	153.6	153.4	153.1	152.9	152.6

TEST NUMBER: P1027076

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	176.0	176.1	176.1	176.2	176.3	176.4	176.5	176.2	175.8	175.5	175.2
115°	198.8	199.0	199.0	199.1	199.2	199.2	199.3	199.0	198.7	198.4	198.1
117.5°	220.4	220.4	220.6	220.9	221.2	221.5	221.8	221.3	220.9	220.4	219.9
120°	241.5	241.5	241.6	241.9	242.1	242.4	242.6	242.4	242.2	242.1	241.9
122.5°	262.4	262.6	262.6	262.7	262.8	262.8	262.9	262.7	262.6	262.4	262.3
125°	282.6	282.9	282.9	282.9	282.9	282.9	282.9	282.6	282.3	282.0	281.7
127.5°	300.9	301.1	301.1	301.0	300.9	300.9	300.8	300.6	300.5	300.3	300.2
130°	318.1	318.3	318.3	318.4	318.5	318.5	318.6	318.4	318.2	317.9	317.7
132.5°	335.6	335.8	335.7	335.4	335.2	334.9	334.7	334.7	334.7	334.7	334.7
135°	351.7	351.9	351.8	351.7	351.5	351.4	351.2	351.0	350.8	350.7	350.5
137.5°	366.7	366.9	366.8	366.7	366.5	366.4	366.2	366.2	366.2	366.2	366.2
140°	380.0	380.1	380.1	380.0	379.9	379.8	379.7	379.9	380.0	380.2	380.3
142.5°	392.9	392.9	393.0	393.2	393.3	393.5	393.7	393.7	393.7	393.7	393.7
145°	406.1	406.2	406.2	406.2	406.2	406.2	406.2	406.3	406.3	406.4	406.5
147.5°	416.9	416.9	416.9	417.0	417.1	417.1	417.2	417.3	417.4	417.5	417.6
150°	427.0	426.9	427.0	427.1	427.3	427.4	427.6	427.8	427.9	428.1	428.2
152.5°	436.4	436.2	436.3	436.4	436.6	436.7	436.9	437.1	437.2	437.4	437.5
155°	444.6	444.4	444.5	444.6	444.8	444.9	445.1	445.3	445.6	445.8	446.1
157.5°	452.3	452.2	452.2	452.2	452.2	452.2	452.2	452.4	452.7	452.9	453.2
160°	458.5	458.3	458.3	458.4	458.5	458.6	458.7	459.0	459.3	459.6	459.9
162.5°	464.2	464.0	464.0	464.1	464.2	464.3	464.4	464.9	465.3	465.8	466.3
165°	469.2	469.0	469.0	469.1	469.2	469.3	469.4	469.9	470.3	470.8	471.3
167.5°	473.2	473.0	473.0	473.1	473.2	473.2	473.3	473.9	474.4	475.0	475.5
170°	476.1	475.8	475.8	475.9	476.0	476.1	476.2	476.8	477.4	478.1	478.7
172.5°	478.3	478.0	478.1	478.2	478.4	478.5	478.7	479.3	479.8	480.4	480.9
175°	480.0	479.8	479.8	479.9	480.0	480.0	480.1	480.7	481.4	482.0	482.7
177.5°	481.0	480.8	480.8	480.9	481.0	481.1	481.2	481.8	482.3	482.9	483.4
180°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9

TEST NUMBER: P1027076

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-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°	7.5	7.6	7.9	8.1	8.4	8.6	8.4	8.1	7.9	7.6	7.5
92.5°	7.5	7.5	7.6	7.7	7.8	7.9	7.8	7.7	7.6	7.5	7.5
95°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
97.5°	7.1	7.1	7.2	7.3	7.4	7.5	7.4	7.3	7.2	7.1	7.1
100°	8.9	8.7	8.4	8.1	7.8	7.5	7.8	8.1	8.4	8.7	8.9
102.5°	84.3	81.0	74.3	67.6	61.0	54.3	61.0	67.6	74.3	81.0	84.3
105°	106.5	106.5	106.4	106.3	106.2	106.1	106.2	106.3	106.4	106.5	106.5
107.5°	130.4	130.2	129.9	129.6	129.3	129.0	129.3	129.6	129.9	130.2	130.4
110°	152.5	152.5	152.6	152.7	152.8	152.9	152.8	152.7	152.6	152.5	152.5

TEST NUMBER: P1027076

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	175.0	174.9	174.8	174.6	174.5	174.3	174.5	174.6	174.8	174.9	175.0
115°	197.9	197.7	197.2	196.7	196.3	195.8	196.3	196.7	197.2	197.7	197.9
117.5°	219.7	219.6	219.5	219.3	219.2	219.0	219.2	219.3	219.5	219.6	219.7
120°	241.8	241.6	241.2	240.9	240.5	240.1	240.5	240.9	241.2	241.6	241.8
122.5°	262.2	262.0	261.5	261.0	260.6	260.1	260.6	261.0	261.5	262.0	262.2
125°	281.5	281.4	281.1	280.9	280.6	280.4	280.6	280.9	281.1	281.4	281.5
127.5°	300.1	299.8	299.1	298.5	297.8	297.2	297.8	298.5	299.1	299.8	300.1
130°	317.6	317.4	317.0	316.6	316.2	315.8	316.2	316.6	317.0	317.4	317.6
132.5°	334.7	334.5	334.1	333.7	333.3	332.9	333.3	333.7	334.1	334.5	334.7
135°	350.4	350.2	349.7	349.2	348.8	348.3	348.8	349.2	349.7	350.2	350.4
137.5°	366.2	366.0	365.6	365.2	364.8	364.4	364.8	365.2	365.6	366.0	366.2
140°	380.4	380.2	379.7	379.2	378.8	378.3	378.8	379.2	379.7	380.2	380.4
142.5°	393.7	393.5	393.0	392.5	392.0	391.5	392.0	392.5	393.0	393.5	393.7
145°	406.5	406.3	405.8	405.3	404.9	404.4	404.9	405.3	405.8	406.3	406.5
147.5°	417.6	417.3	416.8	416.2	415.7	415.1	415.7	416.2	416.8	417.3	417.6
150°	428.3	428.0	427.4	426.7	426.1	425.5	426.1	426.7	427.4	428.0	428.3
152.5°	437.6	437.3	436.8	436.2	435.7	435.1	435.7	436.2	436.8	437.3	437.6
155°	446.2	445.9	445.2	444.6	443.9	443.3	443.9	444.6	445.2	445.9	446.2
157.5°	453.3	453.0	452.4	451.7	451.1	450.5	451.1	451.7	452.4	453.0	453.3
160°	460.1	459.8	459.1	458.5	457.8	457.2	457.8	458.5	459.1	459.8	460.1
162.5°	466.5	466.1	465.4	464.7	464.0	463.3	464.0	464.7	465.4	466.1	466.5
165°	471.5	471.2	470.6	469.9	469.3	468.7	469.3	469.9	470.6	471.2	471.5
167.5°	475.8	475.4	474.7	474.0	473.3	472.6	473.3	474.0	474.7	475.4	475.8
170°	479.0	478.6	477.9	477.2	476.5	475.8	476.5	477.2	477.9	478.6	479.0
172.5°	481.2	480.8	480.1	479.4	478.7	478.0	478.7	479.4	480.1	480.8	481.2
175°	483.0	482.6	481.9	481.2	480.5	479.8	480.5	481.2	481.9	482.6	483.0
177.5°	483.7	483.4	482.7	482.1	481.4	480.8	481.4	482.1	482.7	483.4	483.7
180°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9

TEST NUMBER: P1027076

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-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°	7.3	6.9	6.5	6.1	5.7	5.1	4.6	4.0	3.5	3.2	2.9
92.5°	7.3	6.9	6.5	6.1	5.7	5.2	4.8	4.3	3.8	3.6	4.0
95°	7.3	6.9	6.5	6.1	5.7	8.7	11.7	14.8	17.8	19.3	19.4
97.5°	7.0	6.9	6.7	6.6	6.4	14.0	21.5	29.1	36.6	40.4	40.2
100°	14.8	26.7	38.5	50.4	62.2	61.9	61.5	61.2	60.9	60.7	60.6
102.5°	84.2	84.1	83.9	83.8	83.6	83.4	83.3	83.1	83.0	82.9	82.7
105°	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.3
107.5°	130.4	130.3	130.2	130.1	130.0	129.8	129.7	129.5	129.4	129.3	129.3
110°	152.6	152.9	153.1	153.4	153.6	153.4	153.3	153.1	153.0	152.9	152.9

TEST NUMBER: P1027076

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	175.2	175.5	175.8	176.2	176.5	176.4	176.3	176.2	176.1	176.1	176.0
115°	198.1	198.4	198.7	199.0	199.3	199.2	199.2	199.1	199.0	199.0	198.8
117.5°	219.9	220.4	220.9	221.3	221.8	221.5	221.2	220.9	220.6	220.4	220.4
120°	241.9	242.1	242.2	242.4	242.6	242.4	242.1	241.9	241.6	241.5	241.5
122.5°	262.3	262.4	262.6	262.7	262.9	262.8	262.8	262.7	262.6	262.6	262.4
125°	281.7	282.0	282.3	282.6	282.9	282.9	282.9	282.9	282.9	282.9	282.6
127.5°	300.2	300.3	300.5	300.6	300.8	300.9	300.9	301.0	301.1	301.1	300.9
130°	317.7	317.9	318.2	318.4	318.6	318.5	318.5	318.4	318.3	318.3	318.1
132.5°	334.7	334.7	334.7	334.7	334.7	334.9	335.2	335.4	335.7	335.8	335.6
135°	350.5	350.7	350.8	351.0	351.2	351.4	351.5	351.7	351.8	351.9	351.7
137.5°	366.2	366.2	366.2	366.2	366.2	366.4	366.5	366.7	366.8	366.9	366.7
140°	380.3	380.2	380.0	379.9	379.7	379.8	379.9	380.0	380.1	380.1	380.0
142.5°	393.7	393.7	393.7	393.7	393.7	393.5	393.3	393.2	393.0	392.9	392.9
145°	406.5	406.4	406.3	406.3	406.2	406.2	406.2	406.2	406.2	406.2	406.1
147.5°	417.6	417.5	417.4	417.3	417.2	417.1	417.1	417.0	416.9	416.9	416.9
150°	428.2	428.1	427.9	427.8	427.6	427.4	427.3	427.1	427.0	426.9	427.0
152.5°	437.5	437.4	437.2	437.1	436.9	436.7	436.6	436.4	436.3	436.2	436.4
155°	446.1	445.8	445.6	445.3	445.1	444.9	444.8	444.6	444.5	444.4	444.6
157.5°	453.2	452.9	452.7	452.4	452.2	452.2	452.2	452.2	452.2	452.2	452.3
160°	459.9	459.6	459.3	459.0	458.7	458.6	458.5	458.4	458.3	458.3	458.5
162.5°	466.3	465.8	465.3	464.9	464.4	464.3	464.2	464.1	464.0	464.0	464.2
165°	471.3	470.8	470.3	469.9	469.4	469.3	469.2	469.1	469.0	469.0	469.2
167.5°	475.5	475.0	474.4	473.9	473.3	473.2	473.2	473.1	473.0	473.0	473.2
170°	478.7	478.1	477.4	476.8	476.2	476.1	476.0	475.9	475.8	475.8	476.1
172.5°	480.9	480.4	479.8	479.3	478.7	478.5	478.4	478.2	478.1	478.0	478.3
175°	482.7	482.0	481.4	480.7	480.1	480.0	480.0	479.9	479.8	479.8	480.0
177.5°	483.4	482.9	482.3	481.8	481.2	481.1	481.0	480.9	480.8	480.8	481.0
180°	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9	481.9

TEST NUMBER: P1027076

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-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°	2.3	1.6	1.0	0.4
92.5°	4.7	5.4	6.1	6.8
95°	19.7	19.9	20.2	20.4
97.5°	39.7	39.2	38.7	38.2
100°	60.4	60.1	59.9	59.7
102.5°	82.4	82.1	81.7	81.4
105°	106.0	105.7	105.3	105.0
107.5°	129.3	129.3	129.3	129.3
110°	152.9	152.9	152.9	152.9

TEST NUMBER: P1027076

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	175.7	175.5	175.2	175.0
115°	198.4	198.0	197.6	197.2
117.5°	220.4	220.4	220.4	220.4
120°	241.6	241.7	241.7	241.8
122.5°	262.0	261.6	261.2	260.8
125°	282.1	281.5	281.0	280.4
127.5°	300.5	300.2	299.8	299.4
130°	317.7	317.3	316.9	316.5
132.5°	335.1	334.6	334.1	333.6
135°	351.2	350.7	350.2	349.7
137.5°	366.2	365.7	365.2	364.7
140°	379.9	379.7	379.6	379.4
142.5°	392.8	392.7	392.7	392.6
145°	406.0	405.8	405.7	405.5
147.5°	416.9	416.9	416.9	416.9
150°	427.1	427.3	427.4	427.6
152.5°	436.8	437.2	437.6	438.0
155°	445.1	445.6	446.0	446.5
157.5°	452.6	452.8	453.1	453.3
160°	459.0	459.5	460.0	460.5
162.5°	464.7	465.2	465.7	466.2
165°	469.7	470.2	470.7	471.2
167.5°	473.7	474.2	474.6	475.1
170°	476.6	477.2	477.7	478.3
172.5°	478.8	479.4	479.9	480.5
175°	480.5	481.0	481.4	481.9
177.5°	481.5	482.0	482.5	483.0
180°	481.9	481.9	481.9	481.9

(END OF REPORT)