

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: P1027074

Luminaire Tested: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_2700K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1027074
REPORT IS A COMBINATION OF REPORTS P1005005 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_2700K
Description: Define 5 Regressed Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473}
{m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

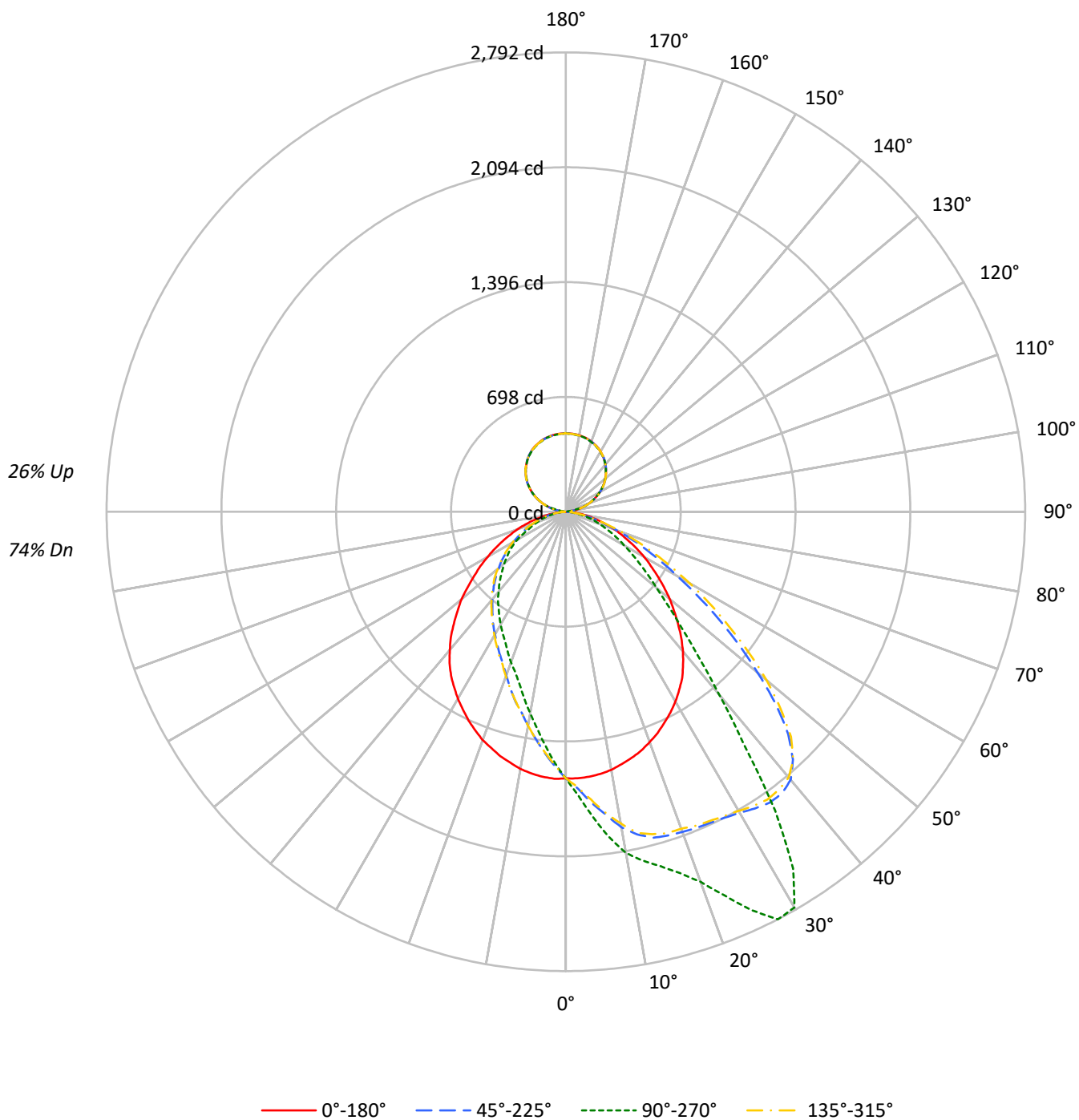
Lumens per Lamp: N/A
Luminaire Lumens: 5660.0 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.4 / 1.47
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 56.1
Input Voltage (V): 120
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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	74		
1	104	100	96	92	99	95	92	89	86	83	81	78	76	74	70	69	68	64		
2	95	88	82	77	90	84	78	74	76	72	68	69	66	63	63	60	58	54		
3	87	78	70	64	83	74	68	62	68	62	58	62	57	54	56	53	50	47		
4	80	69	61	55	76	66	59	53	60	55	50	55	50	47	50	46	43	40		
5	74	62	54	48	70	59	52	46	54	48	43	50	45	41	46	41	38	35		
6	68	56	48	42	65	54	46	41	49	43	38	45	40	36	41	37	34	31		
7	63	51	43	37	60	49	41	36	45	39	34	41	36	32	38	33	30	28		
8	59	46	38	33	56	44	37	32	41	35	30	38	33	29	35	30	27	25		
9	55	42	35	30	52	41	34	29	38	32	27	35	30	26	32	28	24	23		
10	51	39	32	27	49	38	31	26	35	29	25	32	27	24	30	25	22	20		

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	2.7
10°-20°	455.5	8.0
20°-30°	722.3	12.8
30°-40°	872.8	15.4
40°-50°	777.1	13.7
50°-60°	595.9	10.5
60°-70°	387.0	6.8
70°-80°	187.8	3.3
80°-90°	44.9	0.8
90°-100°	16.1	0.3
100°-110°	107.4	1.9
110°-120°	193.3	3.4
120°-130°	248.2	4.4
130°-140°	266.9	4.7
140°-150°	250.5	4.4
150°-160°	202.6	3.6
160°-170°	131.0	2.3
170°-180°	45.2	0.8
0°-30°	1333.2	23.6
0°-40°	2206.0	39.0
0°-60°	3579.0	63.2
0°-90°	4198.7	74.2
90°-120°	316.8	5.6
90°-150°	1082.4	19.1
90°-180°	1461.0	25.8
0°-180°	5660.0	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	8	0	8	0	4
95°	20	7	20	7	20	25
105°	104	105	104	105	104	110
115°	195	193	195	193	195	193
125°	277	277	277	277	277	247
135°	345	344	345	344	345	266
145°	400	399	400	399	400	250
155°	441	438	441	438	441	203
165°	465	463	465	463	465	131
175°	476	474	476	474	476	45
180°	476	476	476	476	476	

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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°	0.4	1.0	1.6	2.3	2.9	3.2	3.5	4.0	4.5	5.1	5.6
92.5°	6.7	6.0	5.3	4.6	3.9	3.5	3.7	4.2	4.7	5.1	5.6
95°	20.1	19.9	19.6	19.4	19.1	19.0	17.5	14.5	11.6	8.6	5.6
97.5°	37.7	38.2	38.6	39.1	39.6	39.8	36.1	28.6	21.2	13.7	6.3
100°	58.9	59.1	59.3	59.6	59.8	59.9	60.1	60.4	60.7	61.1	61.4
102.5°	80.4	80.7	81.0	81.3	81.6	81.8	81.9	82.0	82.2	82.3	82.5
105°	103.7	104.0	104.3	104.6	104.9	105.1	105.1	105.1	105.1	105.1	105.1
107.5°	127.7	127.7	127.7	127.7	127.7	127.7	127.8	127.9	128.1	128.2	128.4
110°	150.9	150.9	150.9	150.9	150.9	150.9	151.0	151.1	151.3	151.4	151.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	172.8	173.0	173.3	173.5	173.8	173.9	173.9	174.0	174.1	174.1	174.2
115°	194.7	195.1	195.5	195.8	196.2	196.4	196.4	196.5	196.6	196.7	196.8
117.5°	217.6	217.6	217.6	217.6	217.6	217.6	217.8	218.1	218.4	218.7	219.0
120°	238.7	238.6	238.6	238.5	238.4	238.4	238.5	238.7	239.0	239.2	239.4
122.5°	257.4	257.8	258.2	258.6	259.0	259.2	259.2	259.3	259.4	259.4	259.5
125°	276.8	277.4	277.9	278.5	279.0	279.3	279.3	279.3	279.3	279.3	279.3
127.5°	295.5	295.9	296.3	296.7	297.1	297.3	297.3	297.2	297.1	297.0	296.9
130°	312.4	312.8	313.2	313.6	314.0	314.2	314.2	314.3	314.4	314.5	314.6
132.5°	329.4	329.9	330.3	330.8	331.3	331.5	331.4	331.1	330.9	330.6	330.4
135°	345.2	345.7	346.2	346.7	347.2	347.4	347.3	347.1	347.0	346.8	346.6
137.5°	360.0	360.5	361.0	361.5	362.0	362.2	362.1	362.0	361.8	361.7	361.5
140°	374.5	374.7	374.8	375.0	375.1	375.2	375.2	375.1	375.0	375.0	374.9
142.5°	387.6	387.7	387.7	387.8	387.9	387.9	388.0	388.1	388.3	388.4	388.6
145°	400.2	400.4	400.6	400.7	400.9	401.0	401.0	401.0	401.0	401.0	401.0
147.5°	411.5	411.5	411.5	411.5	411.5	411.5	411.5	411.6	411.7	411.8	411.9
150°	422.1	421.9	421.8	421.6	421.5	421.4	421.5	421.6	421.8	421.9	422.1
152.5°	432.3	431.9	431.5	431.2	430.8	430.6	430.7	430.8	431.0	431.1	431.3
155°	440.8	440.3	439.9	439.4	438.9	438.7	438.8	438.9	439.1	439.2	439.4
157.5°	447.5	447.3	447.0	446.8	446.5	446.4	446.4	446.4	446.4	446.4	446.4
160°	454.6	454.1	453.6	453.1	452.6	452.4	452.4	452.5	452.6	452.7	452.8
162.5°	460.2	459.7	459.3	458.8	458.3	458.1	458.1	458.2	458.3	458.3	458.4
165°	465.1	464.6	464.2	463.7	463.2	463.0	463.0	463.1	463.2	463.3	463.4
167.5°	469.0	468.5	468.1	467.6	467.1	466.9	466.9	467.0	467.1	467.2	467.3
170°	472.2	471.6	471.1	470.5	470.0	469.7	469.7	469.8	469.9	470.0	470.1
172.5°	474.3	473.7	473.2	472.6	472.1	471.8	471.9	472.0	472.2	472.3	472.5
175°	475.7	475.2	474.8	474.3	473.8	473.6	473.6	473.7	473.8	473.9	474.0
177.5°	476.8	476.3	475.9	475.4	474.9	474.7	474.7	474.8	474.9	474.9	475.0
180°	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7

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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°	6.0	6.4	6.8	7.2	7.4	7.5	7.8	8.0	8.3	8.5	8.3
92.5°	6.0	6.4	6.8	7.2	7.4	7.4	7.5	7.6	7.7	7.8	7.7
95°	6.0	6.4	6.8	7.2	7.4	7.4	7.4	7.4	7.4	7.4	7.4
97.5°	6.5	6.7	6.8	7.0	7.1	7.1	7.2	7.3	7.3	7.4	7.3
100°	49.7	38.0	26.3	14.6	8.8	8.6	8.3	8.0	7.7	7.4	7.7
102.5°	82.7	82.8	83.0	83.1	83.2	79.9	73.3	66.8	60.2	53.6	60.2
105°	105.1	105.1	105.1	105.1	105.1	105.1	105.0	104.9	104.8	104.7	104.8
107.5°	128.5	128.5	128.6	128.7	128.7	128.5	128.2	127.9	127.6	127.3	127.6
110°	151.4	151.2	150.9	150.7	150.6	150.6	150.7	150.8	150.8	150.9	150.8

TEST NUMBER: P1027074

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	173.9	173.6	173.3	173.0	172.8	172.7	172.6	172.4	172.3	172.1	172.3
115°	196.5	196.2	195.9	195.6	195.4	195.2	194.7	194.2	193.7	193.2	193.7
117.5°	218.5	218.1	217.6	217.1	216.9	216.8	216.7	216.5	216.4	216.2	216.4
120°	239.2	239.1	238.9	238.8	238.7	238.5	238.1	237.8	237.4	237.0	237.4
122.5°	259.3	259.2	259.0	258.9	258.8	258.6	258.1	257.6	257.2	256.7	257.2
125°	279.0	278.7	278.4	278.1	277.9	277.8	277.5	277.3	277.0	276.8	277.0
127.5°	296.7	296.6	296.4	296.3	296.2	295.9	295.3	294.6	294.0	293.4	294.0
130°	314.4	314.1	313.9	313.6	313.5	313.3	312.9	312.5	312.1	311.7	312.1
132.5°	330.4	330.4	330.4	330.4	330.4	330.2	329.8	329.5	329.1	328.7	329.1
135°	346.4	346.3	346.1	346.0	345.9	345.7	345.2	344.7	344.3	343.8	344.3
137.5°	361.5	361.5	361.5	361.5	361.5	361.3	360.9	360.5	360.1	359.7	360.1
140°	375.1	375.2	375.4	375.5	375.6	375.4	374.9	374.4	373.9	373.4	373.9
142.5°	388.6	388.6	388.6	388.6	388.6	388.4	387.9	387.4	387.0	386.5	387.0
145°	401.1	401.1	401.2	401.3	401.3	401.1	400.6	400.1	399.7	399.2	399.7
147.5°	412.0	412.0	412.1	412.2	412.2	411.9	411.4	410.9	410.3	409.8	410.3
150°	422.3	422.4	422.6	422.7	422.8	422.5	421.9	421.2	420.6	420.0	420.6
152.5°	431.5	431.6	431.8	431.9	432.0	431.7	431.2	430.6	430.1	429.5	430.1
155°	439.6	439.9	440.1	440.4	440.5	440.2	439.5	438.9	438.2	437.6	438.2
157.5°	446.6	446.9	447.1	447.4	447.5	447.2	446.6	445.9	445.3	444.7	445.3
160°	453.1	453.4	453.7	454.0	454.2	453.9	453.3	452.6	452.0	451.4	452.0
162.5°	458.9	459.4	459.9	460.4	460.6	460.2	459.5	458.8	458.1	457.4	458.1
165°	463.9	464.3	464.8	465.3	465.5	465.2	464.6	463.9	463.3	462.7	463.3
167.5°	467.8	468.4	468.9	469.4	469.7	469.3	468.6	467.9	467.2	466.5	467.2
170°	470.7	471.3	472.0	472.6	472.9	472.5	471.8	471.1	470.4	469.7	470.4
172.5°	473.1	473.6	474.2	474.7	475.0	474.6	473.9	473.2	472.5	471.8	472.5
175°	474.6	475.2	475.9	476.5	476.8	476.4	475.7	475.0	474.3	473.6	474.3
177.5°	475.6	476.1	476.7	477.2	477.5	477.2	476.6	475.9	475.3	474.7	475.3
180°	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7

TEST NUMBER: P1027074

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-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°	8.0	7.8	7.5	7.4	7.2	6.8	6.4	6.0	5.6	5.1	4.5
92.5°	7.6	7.5	7.4	7.4	7.2	6.8	6.4	6.0	5.6	5.1	4.7
95°	7.4	7.4	7.4	7.4	7.2	6.8	6.4	6.0	5.6	8.6	11.6
97.5°	7.3	7.2	7.1	7.1	7.0	6.8	6.7	6.5	6.3	13.7	21.2
100°	8.0	8.3	8.6	8.8	14.6	26.3	38.0	49.7	61.4	61.1	60.7
102.5°	66.8	73.3	79.9	83.2	83.1	83.0	82.8	82.7	82.5	82.3	82.2
105°	104.9	105.0	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1
107.5°	127.9	128.2	128.5	128.7	128.7	128.6	128.5	128.5	128.4	128.2	128.1
110°	150.8	150.7	150.6	150.6	150.7	150.9	151.2	151.4	151.6	151.4	151.3

TEST NUMBER: P1027074

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	172.4	172.6	172.7	172.8	173.0	173.3	173.6	173.9	174.2	174.1	174.1
115°	194.2	194.7	195.2	195.4	195.6	195.9	196.2	196.5	196.8	196.7	196.6
117.5°	216.5	216.7	216.8	216.9	217.1	217.6	218.1	218.5	219.0	218.7	218.4
120°	237.8	238.1	238.5	238.7	238.8	238.9	239.1	239.2	239.4	239.2	239.0
122.5°	257.6	258.1	258.6	258.8	258.9	259.0	259.2	259.3	259.5	259.4	259.4
125°	277.3	277.5	277.8	277.9	278.1	278.4	278.7	279.0	279.3	279.3	279.3
127.5°	294.6	295.3	295.9	296.2	296.3	296.4	296.6	296.7	296.9	297.0	297.1
130°	312.5	312.9	313.3	313.5	313.6	313.9	314.1	314.4	314.6	314.5	314.4
132.5°	329.5	329.8	330.2	330.4	330.4	330.4	330.4	330.4	330.4	330.6	330.9
135°	344.7	345.2	345.7	345.9	346.0	346.1	346.3	346.4	346.6	346.8	347.0
137.5°	360.5	360.9	361.3	361.5	361.5	361.5	361.5	361.5	361.5	361.7	361.8
140°	374.4	374.9	375.4	375.6	375.5	375.4	375.2	375.1	374.9	375.0	375.0
142.5°	387.4	387.9	388.4	388.6	388.6	388.6	388.6	388.6	388.6	388.4	388.3
145°	400.1	400.6	401.1	401.3	401.3	401.2	401.1	401.1	401.0	401.0	401.0
147.5°	410.9	411.4	411.9	412.2	412.2	412.1	412.0	412.0	411.9	411.8	411.7
150°	421.2	421.9	422.5	422.8	422.7	422.6	422.4	422.3	422.1	421.9	421.8
152.5°	430.6	431.2	431.7	432.0	431.9	431.8	431.6	431.5	431.3	431.1	431.0
155°	438.9	439.5	440.2	440.5	440.4	440.1	439.9	439.6	439.4	439.2	439.1
157.5°	445.9	446.6	447.2	447.5	447.4	447.1	446.9	446.6	446.4	446.4	446.4
160°	452.6	453.3	453.9	454.2	454.0	453.7	453.4	453.1	452.8	452.7	452.6
162.5°	458.8	459.5	460.2	460.6	460.4	459.9	459.4	458.9	458.4	458.3	458.3
165°	463.9	464.6	465.2	465.5	465.3	464.8	464.3	463.9	463.4	463.3	463.2
167.5°	467.9	468.6	469.3	469.7	469.4	468.9	468.4	467.8	467.3	467.2	467.1
170°	471.1	471.8	472.5	472.9	472.6	472.0	471.3	470.7	470.1	470.0	469.9
172.5°	473.2	473.9	474.6	475.0	474.7	474.2	473.6	473.1	472.5	472.3	472.2
175°	475.0	475.7	476.4	476.8	476.5	475.9	475.2	474.6	474.0	473.9	473.8
177.5°	475.9	476.6	477.2	477.5	477.2	476.7	476.1	475.6	475.0	474.9	474.9
180°	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7

TEST NUMBER: P1027074

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-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°	4.0	3.5	3.2	2.9	2.3	1.6	1.0	0.4	1.0	1.6	2.3
92.5°	4.2	3.7	3.5	3.9	4.6	5.3	6.0	6.7	6.0	5.3	4.6
95°	14.5	17.5	19.0	19.1	19.4	19.6	19.9	20.1	19.9	19.6	19.4
97.5°	28.6	36.1	39.8	39.6	39.1	38.6	38.2	37.7	38.2	38.6	39.1
100°	60.4	60.1	59.9	59.8	59.6	59.3	59.1	58.9	59.1	59.3	59.6
102.5°	82.0	81.9	81.8	81.6	81.3	81.0	80.7	80.4	80.7	81.0	81.3
105°	105.1	105.1	105.1	104.9	104.6	104.3	104.0	103.7	104.0	104.3	104.6
107.5°	127.9	127.8	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7
110°	151.1	151.0	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9

TEST NUMBER: P1027074

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	174.0	173.9	173.9	173.8	173.5	173.3	173.0	172.8	173.0	173.3	173.5
115°	196.5	196.4	196.4	196.2	195.8	195.5	195.1	194.7	195.1	195.5	195.8
117.5°	218.1	217.8	217.6	217.6	217.6	217.6	217.6	217.6	217.6	217.6	217.6
120°	238.7	238.5	238.4	238.4	238.5	238.6	238.6	238.7	238.6	238.6	238.5
122.5°	259.3	259.2	259.2	259.0	258.6	258.2	257.8	257.4	257.8	258.2	258.6
125°	279.3	279.3	279.3	279.0	278.5	277.9	277.4	276.8	277.4	277.9	278.5
127.5°	297.2	297.3	297.3	297.1	296.7	296.3	295.9	295.5	295.9	296.3	296.7
130°	314.3	314.2	314.2	314.0	313.6	313.2	312.8	312.4	312.8	313.2	313.6
132.5°	331.1	331.4	331.5	331.3	330.8	330.3	329.9	329.4	329.9	330.3	330.8
135°	347.1	347.3	347.4	347.2	346.7	346.2	345.7	345.2	345.7	346.2	346.7
137.5°	362.0	362.1	362.2	362.0	361.5	361.0	360.5	360.0	360.5	361.0	361.5
140°	375.1	375.2	375.2	375.1	375.0	374.8	374.7	374.5	374.7	374.8	375.0
142.5°	388.1	388.0	387.9	387.9	387.8	387.7	387.7	387.6	387.7	387.7	387.8
145°	401.0	401.0	401.0	400.9	400.7	400.6	400.4	400.2	400.4	400.6	400.7
147.5°	411.6	411.5	411.5	411.5	411.5	411.5	411.5	411.5	411.5	411.5	411.5
150°	421.6	421.5	421.4	421.5	421.6	421.8	421.9	422.1	421.9	421.8	421.6
152.5°	430.8	430.7	430.6	430.8	431.2	431.5	431.9	432.3	431.9	431.5	431.2
155°	438.9	438.8	438.7	438.9	439.4	439.9	440.3	440.8	440.3	439.9	439.4
157.5°	446.4	446.4	446.4	446.5	446.8	447.0	447.3	447.5	447.3	447.0	446.8
160°	452.5	452.4	452.4	452.6	453.1	453.6	454.1	454.6	454.1	453.6	453.1
162.5°	458.2	458.1	458.1	458.3	458.8	459.3	459.7	460.2	459.7	459.3	458.8
165°	463.1	463.0	463.0	463.2	463.7	464.2	464.6	465.1	464.6	464.2	463.7
167.5°	467.0	466.9	466.9	467.1	467.6	468.1	468.5	469.0	468.5	468.1	467.6
170°	469.8	469.7	469.7	470.0	470.5	471.1	471.6	472.2	471.6	471.1	470.5
172.5°	472.0	471.9	471.8	472.1	472.6	473.2	473.7	474.3	473.7	473.2	472.6
175°	473.7	473.6	473.6	473.8	474.3	474.8	475.2	475.7	475.2	474.8	474.3
177.5°	474.8	474.7	474.7	474.9	475.4	475.9	476.3	476.8	476.3	475.9	475.4
180°	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7

TEST NUMBER: P1027074

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-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°	2.9	3.2	3.5	4.0	4.5	5.1	5.6	6.0	6.4	6.8	7.2
92.5°	3.9	3.5	3.7	4.2	4.7	5.1	5.6	6.0	6.4	6.8	7.2
95°	19.1	19.0	17.5	14.5	11.6	8.6	5.6	6.0	6.4	6.8	7.2
97.5°	39.6	39.8	36.1	28.6	21.2	13.7	6.3	6.5	6.7	6.8	7.0
100°	59.8	59.9	60.1	60.4	60.7	61.1	61.4	49.7	38.0	26.3	14.6
102.5°	81.6	81.8	81.9	82.0	82.2	82.3	82.5	82.7	82.8	83.0	83.1
105°	104.9	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1
107.5°	127.7	127.7	127.8	127.9	128.1	128.2	128.4	128.5	128.5	128.6	128.7
110°	150.9	150.9	151.0	151.1	151.3	151.4	151.6	151.4	151.2	150.9	150.7

TEST NUMBER: P1027074

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	173.8	173.9	173.9	174.0	174.1	174.1	174.2	173.9	173.6	173.3	173.0
115°	196.2	196.4	196.4	196.5	196.6	196.7	196.8	196.5	196.2	195.9	195.6
117.5°	217.6	217.6	217.8	218.1	218.4	218.7	219.0	218.5	218.1	217.6	217.1
120°	238.4	238.4	238.5	238.7	239.0	239.2	239.4	239.2	239.1	238.9	238.8
122.5°	259.0	259.2	259.2	259.3	259.4	259.4	259.5	259.3	259.2	259.0	258.9
125°	279.0	279.3	279.3	279.3	279.3	279.3	279.3	279.0	278.7	278.4	278.1
127.5°	297.1	297.3	297.3	297.2	297.1	297.0	296.9	296.7	296.6	296.4	296.3
130°	314.0	314.2	314.2	314.3	314.4	314.5	314.6	314.4	314.1	313.9	313.6
132.5°	331.3	331.5	331.4	331.1	330.9	330.6	330.4	330.4	330.4	330.4	330.4
135°	347.2	347.4	347.3	347.1	347.0	346.8	346.6	346.4	346.3	346.1	346.0
137.5°	362.0	362.2	362.1	362.0	361.8	361.7	361.5	361.5	361.5	361.5	361.5
140°	375.1	375.2	375.2	375.1	375.0	375.0	374.9	375.1	375.2	375.4	375.5
142.5°	387.9	387.9	388.0	388.1	388.3	388.4	388.6	388.6	388.6	388.6	388.6
145°	400.9	401.0	401.0	401.0	401.0	401.0	401.0	401.1	401.1	401.2	401.3
147.5°	411.5	411.5	411.5	411.6	411.7	411.8	411.9	412.0	412.0	412.1	412.2
150°	421.5	421.4	421.5	421.6	421.8	421.9	422.1	422.3	422.4	422.6	422.7
152.5°	430.8	430.6	430.7	430.8	431.0	431.1	431.3	431.5	431.6	431.8	431.9
155°	438.9	438.7	438.8	438.9	439.1	439.2	439.4	439.6	439.9	440.1	440.4
157.5°	446.5	446.4	446.4	446.4	446.4	446.4	446.4	446.6	446.9	447.1	447.4
160°	452.6	452.4	452.4	452.5	452.6	452.7	452.8	453.1	453.4	453.7	454.0
162.5°	458.3	458.1	458.1	458.2	458.3	458.3	458.4	458.9	459.4	459.9	460.4
165°	463.2	463.0	463.0	463.1	463.2	463.3	463.4	463.9	464.3	464.8	465.3
167.5°	467.1	466.9	466.9	467.0	467.1	467.2	467.3	467.8	468.4	468.9	469.4
170°	470.0	469.7	469.7	469.8	469.9	470.0	470.1	470.7	471.3	472.0	472.6
172.5°	472.1	471.8	471.9	472.0	472.2	472.3	472.5	473.1	473.6	474.2	474.7
175°	473.8	473.6	473.6	473.7	473.8	473.9	474.0	474.6	475.2	475.9	476.5
177.5°	474.9	474.7	474.7	474.8	474.9	474.9	475.0	475.6	476.1	476.7	477.2
180°	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7

TEST NUMBER: P1027074

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-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°	7.4	7.5	7.8	8.0	8.3	8.5	8.3	8.0	7.8	7.5	7.4
92.5°	7.4	7.4	7.5	7.6	7.7	7.8	7.7	7.6	7.5	7.4	7.4
95°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
97.5°	7.1	7.1	7.2	7.3	7.3	7.4	7.3	7.3	7.2	7.1	7.1
100°	8.8	8.6	8.3	8.0	7.7	7.4	7.7	8.0	8.3	8.6	8.8
102.5°	83.2	79.9	73.3	66.8	60.2	53.6	60.2	66.8	73.3	79.9	83.2
105°	105.1	105.1	105.0	104.9	104.8	104.7	104.8	104.9	105.0	105.1	105.1
107.5°	128.7	128.5	128.2	127.9	127.6	127.3	127.6	127.9	128.2	128.5	128.7
110°	150.6	150.6	150.7	150.8	150.8	150.9	150.8	150.8	150.7	150.6	150.6

TEST NUMBER: P1027074

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	172.8	172.7	172.6	172.4	172.3	172.1	172.3	172.4	172.6	172.7	172.8
115°	195.4	195.2	194.7	194.2	193.7	193.2	193.7	194.2	194.7	195.2	195.4
117.5°	216.9	216.8	216.7	216.5	216.4	216.2	216.4	216.5	216.7	216.8	216.9
120°	238.7	238.5	238.1	237.8	237.4	237.0	237.4	237.8	238.1	238.5	238.7
122.5°	258.8	258.6	258.1	257.6	257.2	256.7	257.2	257.6	258.1	258.6	258.8
125°	277.9	277.8	277.5	277.3	277.0	276.8	277.0	277.3	277.5	277.8	277.9
127.5°	296.2	295.9	295.3	294.6	294.0	293.4	294.0	294.6	295.3	295.9	296.2
130°	313.5	313.3	312.9	312.5	312.1	311.7	312.1	312.5	312.9	313.3	313.5
132.5°	330.4	330.2	329.8	329.5	329.1	328.7	329.1	329.5	329.8	330.2	330.4
135°	345.9	345.7	345.2	344.7	344.3	343.8	344.3	344.7	345.2	345.7	345.9
137.5°	361.5	361.3	360.9	360.5	360.1	359.7	360.1	360.5	360.9	361.3	361.5
140°	375.6	375.4	374.9	374.4	373.9	373.4	373.9	374.4	374.9	375.4	375.6
142.5°	388.6	388.4	387.9	387.4	387.0	386.5	387.0	387.4	387.9	388.4	388.6
145°	401.3	401.1	400.6	400.1	399.7	399.2	399.7	400.1	400.6	401.1	401.3
147.5°	412.2	411.9	411.4	410.9	410.3	409.8	410.3	410.9	411.4	411.9	412.2
150°	422.8	422.5	421.9	421.2	420.6	420.0	420.6	421.2	421.9	422.5	422.8
152.5°	432.0	431.7	431.2	430.6	430.1	429.5	430.1	430.6	431.2	431.7	432.0
155°	440.5	440.2	439.5	438.9	438.2	437.6	438.2	438.9	439.5	440.2	440.5
157.5°	447.5	447.2	446.6	445.9	445.3	444.7	445.3	445.9	446.6	447.2	447.5
160°	454.2	453.9	453.3	452.6	452.0	451.4	452.0	452.6	453.3	453.9	454.2
162.5°	460.6	460.2	459.5	458.8	458.1	457.4	458.1	458.8	459.5	460.2	460.6
165°	465.5	465.2	464.6	463.9	463.3	462.7	463.3	463.9	464.6	465.2	465.5
167.5°	469.7	469.3	468.6	467.9	467.2	466.5	467.2	467.9	468.6	469.3	469.7
170°	472.9	472.5	471.8	471.1	470.4	469.7	470.4	471.1	471.8	472.5	472.9
172.5°	475.0	474.6	473.9	473.2	472.5	471.8	472.5	473.2	473.9	474.6	475.0
175°	476.8	476.4	475.7	475.0	474.3	473.6	474.3	475.0	475.7	476.4	476.8
177.5°	477.5	477.2	476.6	475.9	475.3	474.7	475.3	475.9	476.6	477.2	477.5
180°	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7

TEST NUMBER: P1027074

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-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°	7.2	6.8	6.4	6.0	5.6	5.1	4.5	4.0	3.5	3.2	2.9
92.5°	7.2	6.8	6.4	6.0	5.6	5.1	4.7	4.2	3.7	3.5	3.9
95°	7.2	6.8	6.4	6.0	5.6	8.6	11.6	14.5	17.5	19.0	19.1
97.5°	7.0	6.8	6.7	6.5	6.3	13.7	21.2	28.6	36.1	39.8	39.6
100°	14.6	26.3	38.0	49.7	61.4	61.1	60.7	60.4	60.1	59.9	59.8
102.5°	83.1	83.0	82.8	82.7	82.5	82.3	82.2	82.0	81.9	81.8	81.6
105°	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	104.9
107.5°	128.7	128.6	128.5	128.5	128.4	128.2	128.1	127.9	127.8	127.7	127.7
110°	150.7	150.9	151.2	151.4	151.6	151.4	151.3	151.1	151.0	150.9	150.9

TEST NUMBER: P1027074

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	173.0	173.3	173.6	173.9	174.2	174.1	174.1	174.0	173.9	173.9	173.8
115°	195.6	195.9	196.2	196.5	196.8	196.7	196.6	196.5	196.4	196.4	196.2
117.5°	217.1	217.6	218.1	218.5	219.0	218.7	218.4	218.1	217.8	217.6	217.6
120°	238.8	238.9	239.1	239.2	239.4	239.2	239.0	238.7	238.5	238.4	238.4
122.5°	258.9	259.0	259.2	259.3	259.5	259.4	259.4	259.3	259.2	259.2	259.0
125°	278.1	278.4	278.7	279.0	279.3	279.3	279.3	279.3	279.3	279.3	279.0
127.5°	296.3	296.4	296.6	296.7	296.9	297.0	297.1	297.2	297.3	297.3	297.1
130°	313.6	313.9	314.1	314.4	314.6	314.5	314.4	314.3	314.2	314.2	314.0
132.5°	330.4	330.4	330.4	330.4	330.4	330.6	330.9	331.1	331.4	331.5	331.3
135°	346.0	346.1	346.3	346.4	346.6	346.8	347.0	347.1	347.3	347.4	347.2
137.5°	361.5	361.5	361.5	361.5	361.5	361.7	361.8	362.0	362.1	362.2	362.0
140°	375.5	375.4	375.2	375.1	374.9	375.0	375.0	375.1	375.2	375.2	375.1
142.5°	388.6	388.6	388.6	388.6	388.6	388.4	388.3	388.1	388.0	387.9	387.9
145°	401.3	401.2	401.1	401.1	401.0	401.0	401.0	401.0	401.0	401.0	400.9
147.5°	412.2	412.1	412.0	412.0	411.9	411.8	411.7	411.6	411.5	411.5	411.5
150°	422.7	422.6	422.4	422.3	422.1	421.9	421.8	421.6	421.5	421.4	421.5
152.5°	431.9	431.8	431.6	431.5	431.3	431.1	431.0	430.8	430.7	430.6	430.8
155°	440.4	440.1	439.9	439.6	439.4	439.2	439.1	438.9	438.8	438.7	438.9
157.5°	447.4	447.1	446.9	446.6	446.4	446.4	446.4	446.4	446.4	446.4	446.5
160°	454.0	453.7	453.4	453.1	452.8	452.7	452.6	452.5	452.4	452.4	452.6
162.5°	460.4	459.9	459.4	458.9	458.4	458.3	458.3	458.2	458.1	458.1	458.3
165°	465.3	464.8	464.3	463.9	463.4	463.3	463.2	463.1	463.0	463.0	463.2
167.5°	469.4	468.9	468.4	467.8	467.3	467.2	467.1	467.0	466.9	466.9	467.1
170°	472.6	472.0	471.3	470.7	470.1	470.0	469.9	469.8	469.7	469.7	470.0
172.5°	474.7	474.2	473.6	473.1	472.5	472.3	472.2	472.0	471.9	471.8	472.1
175°	476.5	475.9	475.2	474.6	474.0	473.9	473.8	473.7	473.6	473.6	473.8
177.5°	477.2	476.7	476.1	475.6	475.0	474.9	474.9	474.8	474.7	474.7	474.9
180°	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7	475.7

TEST NUMBER: P1027074

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-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°	2.3	1.6	1.0	0.4
92.5°	4.6	5.3	6.0	6.7
95°	19.4	19.6	19.9	20.1
97.5°	39.1	38.6	38.2	37.7
100°	59.6	59.3	59.1	58.9
102.5°	81.3	81.0	80.7	80.4
105°	104.6	104.3	104.0	103.7
107.5°	127.7	127.7	127.7	127.7
110°	150.9	150.9	150.9	150.9

TEST NUMBER: P1027074

CATALOG NUMBER: S125RDIP-B1090D375UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	173.5	173.3	173.0	172.8
115°	195.8	195.5	195.1	194.7
117.5°	217.6	217.6	217.6	217.6
120°	238.5	238.6	238.6	238.7
122.5°	258.6	258.2	257.8	257.4
125°	278.5	277.9	277.4	276.8
127.5°	296.7	296.3	295.9	295.5
130°	313.6	313.2	312.8	312.4
132.5°	330.8	330.3	329.9	329.4
135°	346.7	346.2	345.7	345.2
137.5°	361.5	361.0	360.5	360.0
140°	375.0	374.8	374.7	374.5
142.5°	387.8	387.7	387.7	387.6
145°	400.7	400.6	400.4	400.2
147.5°	411.5	411.5	411.5	411.5
150°	421.6	421.8	421.9	422.1
152.5°	431.2	431.5	431.9	432.3
155°	439.4	439.9	440.3	440.8
157.5°	446.8	447.0	447.3	447.5
160°	453.1	453.6	454.1	454.6
162.5°	458.8	459.3	459.7	460.2
165°	463.7	464.2	464.6	465.1
167.5°	467.6	468.1	468.5	469.0
170°	470.5	471.1	471.6	472.2
172.5°	472.6	473.2	473.7	474.3
175°	474.3	474.8	475.2	475.7
177.5°	475.4	475.9	476.3	476.8
180°	475.7	475.7	475.7	475.7

(END OF REPORT)