

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: P1028512

Luminaire Tested: S125RDIP-B1090D610UB30-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1028512
REPORT IS A COMBINATION OF REPORTS P1005057 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125RDIP-B1090D610UB30-4F0-XX-W2A-A4
Description: Define 5 Regressed Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

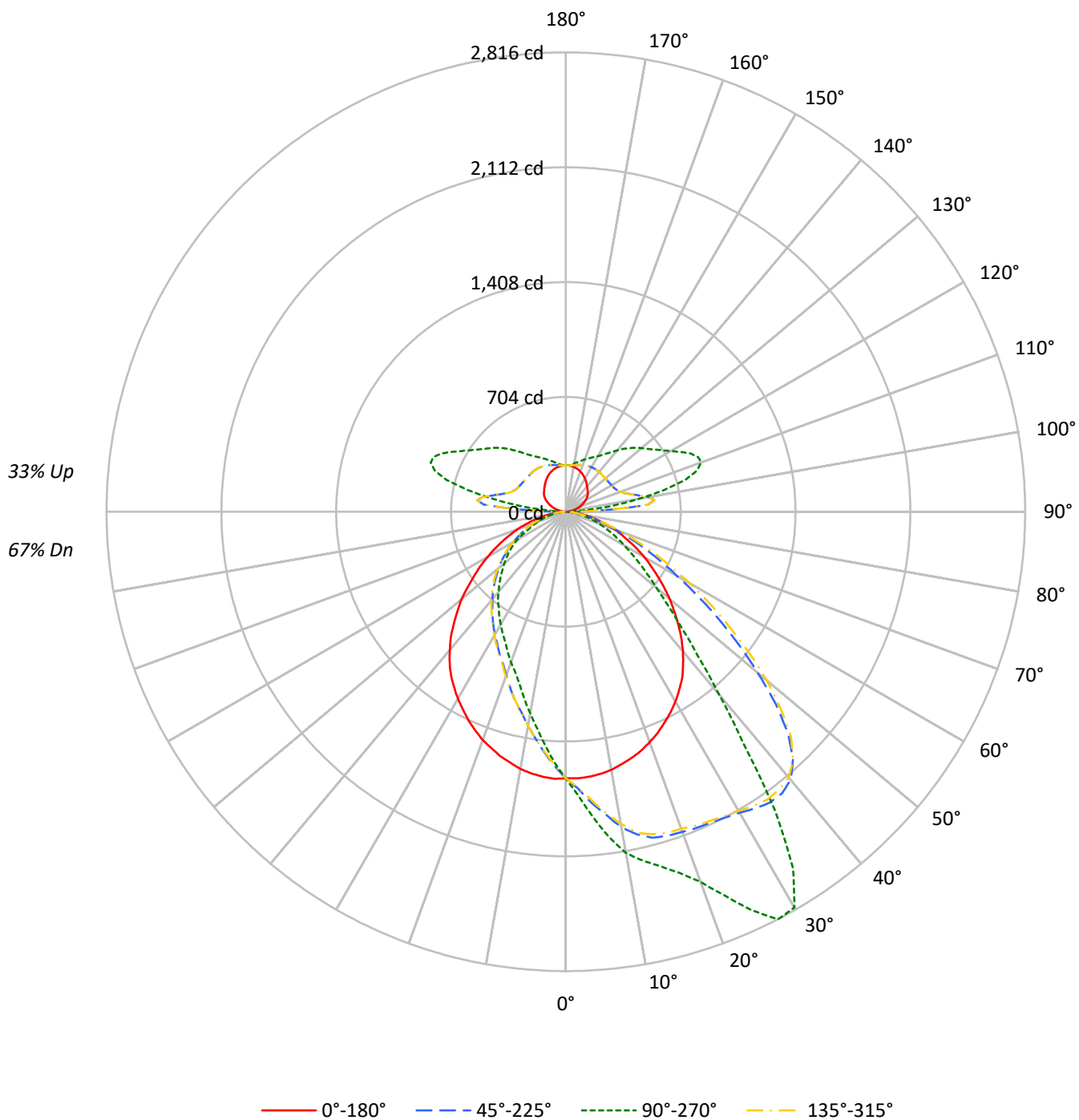
Lumens per Lamp: N/A
Luminaire Lumens: 6365.0 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.4 / 1.47
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 62.2
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	111	111	111	111	105	105	105	105	93	93	93	81	81	81	71	71	71	67		
1	102	98	94	91	96	92	89	86	82	80	77	73	71	69	64	63	61	57		
2	93	86	80	75	88	81	76	72	73	69	65	64	61	59	57	55	53	49		
3	86	76	69	63	80	72	66	60	64	59	55	57	53	50	51	48	45	42		
4	79	68	60	54	74	64	57	52	58	52	47	51	47	43	46	42	39	36		
5	72	61	53	47	68	58	50	45	52	46	41	46	42	38	41	38	35	32		
6	67	55	46	41	63	52	45	39	47	41	36	42	37	33	38	34	31	28		
7	62	49	41	36	58	47	40	35	43	37	32	38	33	30	34	30	27	25		
8	57	45	37	32	54	43	36	31	39	33	29	35	30	27	32	28	25	22		
9	54	41	34	29	51	39	32	28	36	30	26	32	28	24	29	25	22	20		
10	50	38	31	26	47	36	30	25	33	27	23	30	25	22	27	23	20	18		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10470	10470	10470	10470
5°	10462	11801	10462	9071
10°	10403	13262	10368	7842
15°	10291	14030	10220	6827
20°	10154	15145	10063	6171
25°	9976	17143	9864	5601
30°	9795	18222	9649	5192
35°	9561	14986	9427	4812
40°	9145	10176	9068	4471
45°	8600	7316	8587	4134
50°	8039	5625	8078	3823
55°	7410	4575	7394	3524
60°	6823	3750	6790	3128
65°	6140	3124	6179	2518
70°	5574	2507	5551	2097
75°	4710	1899	4710	1724
80°	3816	1159	3771	1159
85°	2687	610	2607	689

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 14904 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.7	2.5
10°-20°	459.5	7.2
20°-30°	728.5	11.4
30°-40°	880.3	13.8
40°-50°	783.7	12.3
50°-60°	601.0	9.4
60°-70°	390.3	6.1
70°-80°	189.4	3.0
80°-90°	45.7	0.7
90°-100°	206.3	3.2
100°-110°	444.8	7.0
110°-120°	414.7	6.5
120°-130°	335.9	5.3
130°-140°	269.7	4.2
140°-150°	203.4	3.2
150°-160°	143.2	2.3
160°-170°	84.4	1.3
170°-180°	27.5	0.4
0°-30°	1344.7	21.1
0°-40°	2225.0	35.0
0°-60°	3609.7	56.7
0°-90°	4235.1	66.5
90°-120°	1065.8	16.7
90°-150°	1874.8	29.5
90°-180°	2130.0	33.5
0°-180°	6365.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1634	1634	1634	1634	1634	
5°	1630	1873	1630	1440	1630	155
15°	1562	2250	1551	1095	1562	440
25°	1428	2694	1412	880	1428	658
35°	1244	2235	1226	718	1244	774
45°	973	1000	971	565	973	751
55°	687	549	686	423	687	616
65°	427	311	429	251	427	427
75°	208	145	208	132	208	223
85°	47	31	46	35	47	53
90°	1	13	1	13	1	4
95°	19	134	19	134	19	20
105°	65	758	65	758	65	68
115°	116	844	116	844	116	114
125°	160	665	160	665	160	142
135°	188	552	188	552	188	146
145°	218	436	218	436	218	137
155°	249	365	249	365	249	115
165°	272	320	272	320	272	77
175°	283	288	283	288	283	27
180°	284	284	284	284	284	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2
2.5°	1635.6	1649.0	1653.0	1663.8	1675.8	1678.5	1685.2	1694.6	1700.0	1698.7	1698.7
5°	1630.2	1653.0	1669.1	1687.9	1710.7	1720.1	1728.2	1748.3	1764.4	1773.8	1789.9
7.5°	1620.8	1654.4	1681.2	1709.4	1744.3	1760.4	1777.8	1806.0	1835.5	1854.3	1871.7
10°	1606.1	1649.0	1686.6	1728.2	1775.1	1799.3	1820.8	1863.7	1899.9	1924.1	1964.3
12.5°	1584.6	1638.3	1690.6	1745.6	1804.6	1830.1	1859.7	1906.6	1957.6	1992.5	2026.0
15°	1561.8	1626.2	1682.6	1748.3	1819.4	1858.3	1895.9	1945.5	1991.2	2030.1	2069.0
17.5°	1535.0	1603.4	1673.2	1748.3	1828.8	1867.7	1899.9	1959.0	2007.3	2046.2	2081.0
20°	1502.8	1579.2	1658.4	1741.6	1823.4	1859.7	1890.5	1954.9	1997.9	2039.5	2089.1
22.5°	1467.9	1551.1	1635.6	1717.4	1797.9	1836.9	1873.1	1929.4	1976.4	2032.7	2097.2
25°	1427.6	1518.9	1604.7	1686.6	1763.1	1799.3	1831.5	1893.2	1959.0	2030.1	2102.5
27.5°	1387.4	1475.9	1559.1	1634.2	1717.4	1751.0	1783.2	1861.0	1938.8	2014.0	2113.3
30°	1343.1	1433.0	1505.4	1575.2	1655.7	1690.6	1730.9	1819.4	1908.0	2009.9	2130.7
32.5°	1293.4	1375.3	1442.4	1514.8	1587.3	1630.2	1681.2	1777.8	1879.8	2001.9	2156.2
35°	1243.8	1309.5	1371.3	1439.7	1526.9	1572.5	1622.2	1724.1	1851.6	1997.9	2177.7
37.5°	1180.7	1243.8	1292.1	1361.9	1451.8	1505.4	1555.1	1673.2	1818.1	1988.5	2176.3
40°	1116.3	1170.0	1215.6	1288.1	1386.0	1435.7	1489.3	1618.1	1783.2	1961.6	2144.1
42.5°	1046.6	1092.2	1141.8	1211.6	1306.9	1355.2	1416.9	1567.2	1734.9	1924.1	2060.9
45°	972.8	1017.0	1058.6	1131.1	1226.4	1278.7	1345.8	1500.1	1675.8	1844.9	1926.7
47.5°	900.3	939.2	983.5	1046.6	1143.2	1200.9	1269.3	1434.3	1596.7	1738.9	1745.6
50°	830.5	861.4	899.0	963.4	1064.0	1119.0	1190.1	1344.4	1502.8	1600.7	1535.0
52.5°	758.1	786.3	825.2	881.5	975.5	1039.9	1101.6	1255.9	1388.7	1454.5	1333.7
55°	687.0	711.1	751.4	814.4	896.3	945.9	1009.0	1152.6	1269.3	1270.6	1139.1
57.5°	617.2	638.7	672.2	728.6	805.0	862.7	920.4	1045.2	1124.4	1101.6	955.3
60°	555.5	568.9	599.8	654.8	725.9	767.5	829.2	933.9	986.2	944.6	787.6
62.5°	491.1	504.5	528.6	572.9	640.0	684.3	723.2	809.1	845.3	782.2	653.4
65°	426.7	442.8	460.2	495.1	558.2	587.7	622.6	685.6	720.5	646.7	535.4
67.5°	370.3	378.4	395.8	432.0	476.3	503.2	527.3	570.2	577.0	517.9	426.7
70°	318.0	320.7	336.8	358.2	391.8	407.9	428.0	453.5	453.5	405.2	332.8
72.5°	259.0	263.0	275.1	297.9	318.0	326.0	332.8	348.9	346.2	301.9	252.2
75°	208.0	210.7	220.0	230.8	238.8	253.6	259.0	256.3	254.9	217.4	189.2
77.5°	161.0	162.4	169.1	178.5	179.8	185.2	181.1	181.1	169.1	147.6	132.8
80°	118.1	119.4	122.1	124.8	124.8	124.8	124.8	118.1	110.0	96.6	92.6
82.5°	79.2	79.2	80.5	83.2	81.8	79.2	76.5	69.8	64.4	60.4	57.7
85°	47.0	47.0	48.3	47.0	41.6	40.3	37.6	36.2	34.9	33.5	33.5
87.5°	22.8	21.5	18.8	16.1	16.1	16.1	16.1	16.1	16.1	14.8	14.8
90°	0.6	1.1	2.3	3.4	4.6	5.2	5.7	6.3	7.4	8.0	9.1
92.5°	8.6	10.3	16.0	24.6	36.6	46.9	57.2	96.0	161.2	232.1	228.1
95°	18.9	19.4	24.0	30.3	42.9	55.8	68.6	129.8	255.6	413.3	506.5
97.5°	29.2	29.7	33.2	39.4	50.9	60.3	69.7	112.1	208.7	379.0	547.1
100°	40.0	41.2	43.4	49.7	60.6	69.2	77.8	110.9	185.2	329.3	516.3
102.5°	52.0	52.6	54.3	61.2	70.9	79.2	87.5	116.1	175.5	291.6	461.9
105°	64.6	64.6	67.5	73.2	82.3	90.3	98.3	123.5	174.4	269.8	414.5
107.5°	76.6	77.8	80.6	85.2	94.9	102.1	109.2	133.8	178.4	258.4	379.0
110°	89.8	90.9	93.2	98.3	106.9	114.4	121.8	145.2	184.7	253.8	355.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	102.9	104.1	105.8	110.9	119.5	126.6	133.8	156.1	192.7	253.8	341.9
115°	115.5	116.6	118.3	123.5	132.1	139.2	146.4	167.5	200.7	255.6	332.7
117.5°	126.9	128.6	130.3	135.5	145.2	152.0	158.9	178.9	209.8	258.4	327.6
120°	138.4	140.1	142.4	147.5	157.2	164.4	171.5	191.5	219.0	263.0	324.2
122.5°	150.4	151.5	153.2	158.4	169.2	176.4	183.5	203.5	229.3	267.0	321.3
125°	160.1	161.2	164.1	169.2	180.1	187.6	195.0	213.8	238.4	271.6	319.0
127.5°	168.1	169.8	173.2	179.5	191.0	198.4	205.8	224.1	247.0	276.7	317.9
130°	175.5	177.2	181.8	189.2	201.2	208.6	216.1	233.8	255.6	281.3	316.7
132.5°	181.2	183.5	189.2	197.8	210.4	217.8	225.3	243.0	263.0	286.4	316.7
135°	187.5	189.8	196.7	205.8	217.8	225.6	233.3	251.0	269.8	291.0	316.7
137.5°	195.5	197.2	203.5	212.7	224.7	232.7	240.7	256.7	275.0	295.6	317.3
140°	202.4	204.1	211.0	220.1	231.0	238.7	246.4	263.0	280.1	298.4	317.9
142.5°	210.4	211.5	217.8	227.0	237.3	244.4	251.6	267.0	283.0	300.1	318.4
145°	218.4	219.5	225.3	233.3	243.5	250.1	256.7	271.6	285.9	301.3	317.9
147.5°	227.0	227.5	232.7	240.1	249.3	255.3	261.3	274.4	287.6	301.9	316.7
150°	234.4	235.5	239.5	247.0	255.0	259.8	264.7	277.3	289.3	301.9	315.0
152.5°	242.4	243.0	246.4	252.7	260.1	264.4	268.7	280.1	290.4	301.3	312.7
155°	249.3	249.3	252.7	258.4	264.1	268.1	272.1	281.9	291.0	300.1	309.9
157.5°	255.6	255.6	258.4	263.6	268.7	271.8	275.0	283.6	291.6	299.0	307.0
160°	261.8	261.3	263.6	267.6	272.1	274.7	277.3	284.7	291.6	297.3	304.1
162.5°	267.0	266.4	268.7	272.1	275.6	277.6	279.6	285.9	291.0	295.6	300.7
165°	272.1	271.0	272.7	275.6	277.9	279.6	281.3	285.9	290.4	293.9	297.3
167.5°	275.6	275.0	276.1	277.9	279.6	280.8	281.9	285.9	289.3	291.0	293.9
170°	279.0	278.4	279.0	280.1	281.3	282.2	283.0	285.9	288.1	289.3	291.0
172.5°	281.3	280.1	280.7	281.9	282.4	282.7	283.0	285.3	287.0	287.0	287.6
175°	283.0	281.9	282.4	283.0	283.0	283.0	283.0	284.7	285.9	285.3	285.3
177.5°	284.1	283.0	283.0	283.6	283.0	283.0	283.0	284.1	284.7	283.6	283.6
180°	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2
2.5°	1705.4	1714.8	1722.8	1718.8	1734.9	1733.5	1736.2	1741.6	1742.9	1740.2	1734.9
5°	1797.9	1811.4	1834.2	1846.2	1843.6	1854.3	1859.7	1867.7	1875.8	1873.1	1873.1
7.5°	1901.3	1920.0	1942.8	1973.7	1977.7	1987.1	2003.2	2003.2	2012.6	2008.6	2007.3
10°	1991.2	2014.0	2050.2	2074.3	2085.1	2090.4	2106.5	2111.9	2122.6	2124.0	2124.0
12.5°	2064.9	2105.2	2129.4	2153.5	2158.9	2166.9	2179.0	2187.0	2191.1	2191.1	2187.0
15°	2103.9	2136.1	2164.2	2189.7	2204.5	2211.2	2223.3	2232.7	2238.0	2250.1	2252.8
17.5°	2120.0	2158.9	2204.5	2240.7	2266.2	2272.9	2297.1	2305.1	2315.9	2321.2	2327.9
20°	2142.8	2199.1	2254.1	2298.4	2322.6	2340.0	2365.5	2403.1	2413.8	2413.8	2409.8
22.5°	2162.9	2235.4	2310.5	2381.6	2401.7	2436.6	2483.6	2523.8	2539.9	2546.6	2541.3
25°	2187.0	2286.3	2384.3	2472.8	2527.9	2553.3	2616.4	2664.7	2683.5	2694.2	2696.9
27.5°	2228.6	2353.4	2478.2	2590.9	2647.3	2676.8	2742.5	2784.1	2806.9	2816.3	2809.6
30°	2275.6	2428.6	2573.5	2674.1	2711.7	2747.9	2790.8	2806.9	2801.6	2801.6	2821.7
32.5°	2323.9	2482.2	2611.0	2676.8	2690.2	2684.8	2667.4	2619.1	2590.9	2590.9	2608.4
35°	2350.7	2487.6	2553.3	2531.9	2479.5	2448.7	2353.4	2299.8	2239.4	2235.4	2255.5
37.5°	2336.0	2395.0	2368.2	2227.3	2156.2	2097.2	1948.2	1889.2	1844.9	1783.2	1878.4
40°	2232.7	2212.5	2073.0	1870.4	1791.2	1708.0	1590.0	1530.9	1469.2	1459.8	1482.6
42.5°	2058.2	1938.8	1734.9	1539.0	1458.5	1399.4	1309.5	1251.9	1212.9	1196.8	1223.7
45°	1840.9	1653.0	1449.1	1293.4	1204.9	1174.0	1092.2	1041.2	1011.7	999.6	1018.4
47.5°	1575.2	1386.0	1192.8	1061.3	1009.0	978.1	923.1	878.8	853.4	845.3	853.4
50°	1337.7	1143.2	980.8	896.3	849.3	823.8	778.2	750.0	729.9	724.5	738.0
52.5°	1132.4	955.3	831.9	756.7	725.9	704.4	672.2	648.1	636.0	630.6	640.0
55°	948.6	805.0	705.8	641.4	618.5	605.1	577.0	563.5	550.1	548.8	558.2
57.5°	786.3	687.0	595.7	550.1	543.4	523.3	499.1	487.1	480.3	479.0	483.0
60°	654.8	566.2	511.2	471.0	461.6	445.5	432.0	424.0	415.9	413.3	415.9
62.5°	544.7	475.0	430.7	403.9	390.4	386.4	371.7	362.3	360.9	360.9	363.6
65°	449.5	390.4	362.3	340.8	331.4	327.4	316.7	309.9	311.3	311.3	312.6
67.5°	366.3	323.4	297.9	287.1	279.1	277.7	267.0	264.3	261.6	261.6	264.3
70°	291.2	264.3	245.5	240.2	238.8	229.4	225.4	224.1	220.0	221.4	221.4
72.5°	228.1	210.7	199.9	191.9	193.2	187.8	182.5	182.5	179.8	183.8	183.8
75°	169.1	161.0	153.0	150.3	153.0	150.3	146.3	144.9	146.3	144.9	144.9
77.5°	124.8	120.8	118.1	116.7	116.7	111.4	108.7	111.4	106.0	108.7	108.7
80°	87.2	81.8	80.5	77.8	79.2	75.1	76.5	73.8	73.8	73.8	73.8
82.5°	55.0	53.7	53.7	53.7	52.3	52.3	52.3	52.3	52.3	52.3	51.0
85°	33.5	32.2	32.2	32.2	30.9	30.9	30.9	30.9	30.9	30.9	30.9
87.5°	13.4	14.8	14.8	16.1	14.8	13.4	13.4	13.4	14.8	14.8	13.4
90°	9.7	10.3	10.9	11.4	12.0	12.6	12.6	12.6	13.1	13.1	13.1
92.5°	184.1	124.1	89.2	66.3	60.9	55.5	46.3	44.6	43.4	42.3	43.4
95°	495.7	411.1	324.2	253.8	229.8	205.8	165.2	148.1	143.5	134.4	143.5
97.5°	619.2	589.4	520.3	449.4	415.1	380.8	346.5	316.7	301.3	294.4	301.3
100°	659.2	703.2	675.2	616.3	586.6	556.8	517.4	476.2	455.1	445.9	455.1
102.5°	635.2	741.5	770.1	749.5	731.8	714.1	671.2	644.9	621.4	615.2	621.4
105°	578.6	715.8	794.1	819.3	816.2	813.0	794.7	775.8	764.4	757.5	764.4
107.5°	524.8	663.2	766.7	827.3	839.8	852.4	857.6	854.7	849.0	843.3	849.0
110°	480.2	603.7	712.3	793.0	817.3	841.6	867.3	878.1	882.1	882.1	882.1

TEST NUMBER: P1028512

CATALOG NUMBER: S125RDIP-B1090D610UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	447.1	556.8	658.6	740.4	770.1	799.8	840.4	861.0	872.4	877.6	872.4
115°	424.8	519.1	607.7	686.1	717.2	748.4	793.0	820.4	836.4	843.8	836.4
117.5°	409.9	492.8	571.1	639.7	669.2	698.6	743.8	772.4	788.4	793.0	788.4
120°	397.9	472.2	540.8	603.7	628.8	654.0	696.3	723.8	739.2	743.8	739.2
122.5°	387.6	456.8	519.1	573.4	596.6	619.7	656.3	680.9	696.3	700.3	696.3
125°	378.5	441.9	500.2	550.0	570.6	591.1	623.2	646.6	659.2	664.9	659.2
127.5°	369.9	426.5	482.0	528.8	548.2	567.7	596.9	618.0	630.0	632.3	630.0
130°	361.3	412.2	462.5	507.1	525.7	544.3	572.9	591.7	603.2	606.6	603.2
132.5°	354.5	397.9	444.2	483.7	501.4	519.1	547.7	566.6	576.9	580.9	576.9
135°	349.3	385.9	425.4	461.9	478.2	494.5	519.7	538.6	548.8	552.3	548.8
137.5°	344.2	375.0	408.2	439.6	453.9	468.2	491.1	508.8	518.5	522.5	518.5
140°	340.7	366.5	393.3	419.6	431.6	443.6	464.8	479.7	488.2	491.1	488.2
142.5°	337.9	359.0	380.8	402.5	412.5	422.5	439.6	451.7	459.7	461.9	459.7
145°	335.0	352.7	370.5	388.2	395.9	403.6	417.3	427.1	433.4	435.6	433.4
147.5°	332.2	346.5	361.3	375.6	381.6	387.6	399.1	407.1	411.1	412.2	411.1
150°	328.7	341.3	353.9	364.8	369.9	375.0	383.6	390.5	392.8	393.3	392.8
152.5°	324.7	335.6	346.5	356.2	359.9	363.6	370.5	375.6	377.9	378.5	377.9
155°	320.2	329.9	339.0	347.0	350.2	353.3	359.0	363.0	364.8	365.3	364.8
157.5°	316.2	324.2	332.2	338.5	341.0	343.6	348.2	351.6	353.3	353.3	353.3
160°	311.0	318.4	324.2	329.9	331.9	333.9	337.9	340.7	341.9	341.3	341.9
162.5°	306.4	312.2	317.3	321.9	323.6	325.3	328.2	330.4	330.4	330.4	330.4
165°	301.9	306.4	310.4	313.9	315.3	316.7	319.0	320.2	320.2	320.2	320.2
167.5°	297.3	300.7	303.6	306.4	307.5	308.7	309.9	311.0	310.4	310.4	310.4
170°	293.3	296.1	297.9	299.6	300.2	300.7	301.9	302.4	302.4	301.9	302.4
172.5°	289.3	291.0	292.7	293.9	294.2	294.4	294.4	295.6	294.4	293.9	294.4
175°	285.9	287.6	287.6	288.7	288.7	288.7	288.7	289.3	288.1	287.6	288.1
177.5°	284.1	284.7	285.3	285.3	285.3	285.3	284.7	285.3	283.6	283.6	283.6
180°	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6

TEST NUMBER: P1028512

CATALOG NUMBER: S125RDIP-B1090D610UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2
2.5°	1741.6	1732.2	1736.2	1732.2	1728.2	1724.1	1714.8	1701.3	1690.6	1682.6	1681.2
5°	1875.8	1863.7	1855.6	1851.6	1843.6	1832.8	1815.4	1795.3	1771.1	1761.7	1742.9
7.5°	1999.2	1995.2	1976.4	1973.7	1968.3	1948.2	1918.7	1891.9	1861.0	1835.5	1811.4
10°	2115.9	2106.5	2093.1	2074.3	2071.7	2046.2	2018.0	1980.4	1940.2	1916.0	1873.1
12.5°	2188.4	2177.7	2162.9	2150.8	2144.1	2128.0	2089.1	2051.5	2015.3	1971.0	1933.5
15°	2240.7	2227.3	2200.5	2191.1	2183.0	2161.6	2133.4	2094.5	2046.2	2015.3	1961.6
17.5°	2311.8	2295.7	2268.9	2251.5	2236.7	2203.1	2162.9	2110.6	2064.9	2030.1	1981.8
20°	2393.7	2369.5	2334.6	2311.8	2290.4	2251.5	2195.1	2133.4	2067.6	2024.7	1975.1
22.5°	2529.2	2483.6	2428.6	2396.4	2366.8	2299.8	2232.7	2156.2	2082.4	2018.0	1957.6
25°	2660.7	2615.1	2546.6	2502.4	2456.7	2378.9	2290.4	2184.4	2090.4	2015.3	1936.1
27.5°	2782.8	2735.8	2672.8	2619.1	2574.8	2458.1	2341.3	2221.9	2102.5	1999.2	1918.7
30°	2811.0	2790.8	2742.5	2695.6	2655.3	2548.0	2412.5	2260.8	2117.3	1984.4	1894.5
32.5°	2640.6	2690.2	2702.3	2695.6	2670.1	2593.6	2468.8	2309.1	2138.7	1977.7	1854.3
35°	2286.3	2376.2	2468.8	2518.5	2542.6	2553.3	2479.5	2333.3	2153.5	1967.0	1827.5
37.5°	1895.9	1983.1	2129.4	2203.1	2285.0	2392.3	2421.9	2327.9	2146.8	1959.0	1784.5
40°	1557.8	1669.1	1789.9	1857.0	1928.1	2121.3	2267.6	2256.8	2125.3	1929.4	1751.0
42.5°	1268.0	1337.7	1443.7	1517.5	1604.7	1820.8	2016.6	2113.3	2060.9	1893.2	1708.0
45°	1057.3	1111.0	1186.1	1261.2	1314.9	1510.8	1742.9	1901.3	1950.9	1828.8	1642.3
47.5°	890.9	931.2	996.9	1043.9	1101.6	1255.9	1457.1	1679.9	1784.5	1737.6	1572.5
50°	763.5	795.7	848.0	877.5	928.5	1061.3	1214.3	1447.7	1606.1	1611.4	1479.9
52.5°	652.1	684.3	728.6	754.1	784.9	874.8	1029.1	1226.4	1408.8	1475.9	1373.9
55°	567.6	586.3	622.6	642.7	670.9	758.1	856.0	1023.8	1214.3	1324.3	1259.9
57.5°	489.7	509.9	532.7	548.8	568.9	638.7	727.2	853.4	1042.5	1162.0	1140.5
60°	426.7	438.8	460.2	472.3	491.1	536.7	598.4	724.5	874.8	987.5	999.6
62.5°	367.6	378.4	393.1	403.9	415.9	452.2	497.8	587.7	719.2	841.3	857.4
65°	316.7	326.0	334.1	343.5	352.9	375.7	414.6	484.4	586.3	700.4	735.3
67.5°	271.0	273.7	285.8	287.1	292.5	309.9	338.1	394.5	468.3	559.5	605.1
70°	226.8	232.1	234.8	238.8	244.2	256.3	279.1	308.6	363.6	437.4	480.3
72.5°	183.8	185.2	189.2	191.9	197.2	206.6	217.4	240.2	275.1	328.7	367.6
75°	146.3	147.6	150.3	151.6	155.6	158.3	163.7	179.8	203.9	236.1	264.3
77.5°	110.0	112.7	115.4	115.4	116.7	119.4	122.1	127.5	139.5	161.0	185.2
80°	75.1	76.5	76.5	77.8	76.5	80.5	84.5	91.2	96.6	103.3	115.4
82.5°	52.3	52.3	52.3	53.7	53.7	55.0	55.0	56.4	57.7	61.7	67.1
85°	32.2	32.2	33.5	30.9	32.2	33.5	33.5	32.2	33.5	34.9	36.2
87.5°	13.4	13.4	14.8	14.8	14.8	14.8	13.4	14.8	13.4	14.8	14.8
90°	12.6	12.6	12.6	12.0	11.4	10.9	10.3	9.7	9.1	8.0	7.4
92.5°	44.6	46.3	55.5	60.9	66.3	89.2	124.1	184.1	228.1	232.1	161.2
95°	148.1	165.2	205.8	229.8	253.8	324.2	411.1	495.7	506.5	413.3	255.6
97.5°	316.7	346.5	380.8	415.1	449.4	520.3	589.4	619.2	547.1	379.0	208.7
100°	476.2	517.4	556.8	586.6	616.3	675.2	703.2	659.2	516.3	329.3	185.2
102.5°	644.9	671.2	714.1	731.8	749.5	770.1	741.5	635.2	461.9	291.6	175.5
105°	775.8	794.7	813.0	816.2	819.3	794.1	715.8	578.6	414.5	269.8	174.4
107.5°	854.7	857.6	852.4	839.8	827.3	766.7	663.2	524.8	379.0	258.4	178.4
110°	878.1	867.3	841.6	817.3	793.0	712.3	603.7	480.2	355.6	253.8	184.7

TEST NUMBER: P1028512

CATALOG NUMBER: S125RDIP-B1090D610UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	861.0	840.4	799.8	770.1	740.4	658.6	556.8	447.1	341.9	253.8	192.7
115°	820.4	793.0	748.4	717.2	686.1	607.7	519.1	424.8	332.7	255.6	200.7
117.5°	772.4	743.8	698.6	669.2	639.7	571.1	492.8	409.9	327.6	258.4	209.8
120°	723.8	696.3	654.0	628.8	603.7	540.8	472.2	397.9	324.2	263.0	219.0
122.5°	680.9	656.3	619.7	596.6	573.4	519.1	456.8	387.6	321.3	267.0	229.3
125°	646.6	623.2	591.1	570.6	550.0	500.2	441.9	378.5	319.0	271.6	238.4
127.5°	618.0	596.9	567.7	548.2	528.8	482.0	426.5	369.9	317.9	276.7	247.0
130°	591.7	572.9	544.3	525.7	507.1	462.5	412.2	361.3	316.7	281.3	255.6
132.5°	566.6	547.7	519.1	501.4	483.7	444.2	397.9	354.5	316.7	286.4	263.0
135°	538.6	519.7	494.5	478.2	461.9	425.4	385.9	349.3	316.7	291.0	269.8
137.5°	508.8	491.1	468.2	453.9	439.6	408.2	375.0	344.2	317.3	295.6	275.0
140°	479.7	464.8	443.6	431.6	419.6	393.3	366.5	340.7	317.9	298.4	280.1
142.5°	451.7	439.6	422.5	412.5	402.5	380.8	359.0	337.9	318.4	300.1	283.0
145°	427.1	417.3	403.6	395.9	388.2	370.5	352.7	335.0	317.9	301.3	285.9
147.5°	407.1	399.1	387.6	381.6	375.6	361.3	346.5	332.2	316.7	301.9	287.6
150°	390.5	383.6	375.0	369.9	364.8	353.9	341.3	328.7	315.0	301.9	289.3
152.5°	375.6	370.5	363.6	359.9	356.2	346.5	335.6	324.7	312.7	301.3	290.4
155°	363.0	359.0	353.3	350.2	347.0	339.0	329.9	320.2	309.9	300.1	291.0
157.5°	351.6	348.2	343.6	341.0	338.5	332.2	324.2	316.2	307.0	299.0	291.6
160°	340.7	337.9	333.9	331.9	329.9	324.2	318.4	311.0	304.1	297.3	291.6
162.5°	330.4	328.2	325.3	323.6	321.9	317.3	312.2	306.4	300.7	295.6	291.0
165°	320.2	319.0	316.7	315.3	313.9	310.4	306.4	301.9	297.3	293.9	290.4
167.5°	311.0	309.9	308.7	307.5	306.4	303.6	300.7	297.3	293.9	291.0	289.3
170°	302.4	301.9	300.7	300.2	299.6	297.9	296.1	293.3	291.0	289.3	288.1
172.5°	295.6	294.4	294.4	294.2	293.9	292.7	291.0	289.3	287.6	287.0	287.0
175°	289.3	288.7	288.7	288.7	288.7	287.6	287.6	285.9	285.3	285.3	285.9
177.5°	285.3	284.7	285.3	285.3	285.3	285.3	284.7	284.1	283.6	283.6	284.7
180°	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6

TEST NUMBER: P1028512

CATALOG NUMBER: S125RDIP-B1090D610UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2
2.5°	1677.2	1669.1	1663.8	1662.4	1654.4	1647.7	1639.6	1638.3	1634.2	1623.5	1616.8
5°	1729.5	1710.7	1706.7	1694.6	1674.5	1659.7	1641.0	1630.2	1618.1	1598.0	1581.9
7.5°	1783.2	1757.7	1738.9	1721.5	1693.3	1666.4	1639.6	1618.1	1596.7	1567.2	1543.0
10°	1835.5	1796.6	1773.8	1748.3	1709.4	1669.1	1631.6	1600.7	1565.8	1530.9	1496.0
12.5°	1883.8	1834.2	1800.6	1764.4	1716.1	1666.4	1618.1	1575.2	1539.0	1492.0	1453.1
15°	1913.3	1858.3	1824.8	1789.9	1717.4	1662.4	1606.1	1551.1	1502.8	1453.1	1416.9
17.5°	1930.8	1869.1	1831.5	1799.3	1725.5	1650.3	1577.9	1518.9	1466.5	1407.5	1359.2
20°	1922.7	1862.3	1827.5	1796.6	1710.7	1635.6	1557.8	1489.3	1423.6	1363.2	1312.2
22.5°	1905.3	1842.2	1803.3	1775.1	1698.7	1610.1	1524.2	1450.4	1382.0	1321.6	1263.9
25°	1867.7	1806.0	1772.4	1737.6	1662.4	1577.9	1490.7	1411.5	1339.1	1274.7	1210.3
27.5°	1834.2	1759.0	1724.1	1693.3	1614.1	1539.0	1453.1	1365.9	1292.1	1225.0	1160.6
30°	1795.3	1710.7	1673.2	1631.6	1560.5	1489.3	1403.5	1323.0	1246.5	1175.4	1113.7
32.5°	1753.7	1655.7	1612.8	1565.8	1493.4	1426.3	1353.8	1274.7	1198.2	1128.4	1064.0
35°	1700.0	1595.3	1545.7	1501.4	1426.3	1359.2	1292.1	1226.4	1149.9	1076.1	1014.4
37.5°	1649.0	1533.6	1481.3	1430.3	1351.1	1286.7	1231.7	1170.0	1096.2	1025.1	966.1
40°	1591.3	1458.5	1404.8	1357.8	1276.0	1204.9	1155.2	1106.9	1042.5	974.1	909.7
42.5°	1539.0	1388.7	1332.4	1284.1	1198.2	1131.1	1084.1	1043.9	987.5	924.5	858.7
45°	1466.5	1313.6	1255.9	1204.9	1117.7	1054.6	1006.3	971.4	927.1	868.1	809.1
47.5°	1399.4	1241.1	1178.1	1116.3	1037.2	972.8	928.5	901.7	872.1	819.8	759.4
50°	1317.6	1157.9	1093.5	1042.5	952.6	897.6	853.4	834.6	807.7	758.1	709.8
52.5°	1229.0	1077.4	1017.0	955.3	872.1	818.5	779.6	758.1	736.6	700.4	654.8
55°	1125.7	987.5	931.2	876.2	793.0	743.3	708.4	685.6	673.6	640.0	606.5
57.5°	1026.4	896.3	844.0	793.0	720.5	664.2	641.4	621.2	603.8	579.6	551.5
60°	925.8	807.7	751.4	705.8	642.7	591.7	572.9	552.8	539.4	520.6	500.5
62.5°	810.4	709.8	666.8	623.9	570.2	530.0	508.5	492.4	475.0	462.9	445.5
65°	688.3	617.2	575.6	543.4	492.4	456.2	440.1	429.4	414.6	402.5	389.1
67.5°	574.3	517.9	500.5	465.6	426.7	394.5	382.4	369.0	356.9	350.2	338.1
70°	464.2	424.0	406.5	397.2	354.2	332.8	322.0	316.7	301.9	295.2	287.1
72.5°	359.6	344.8	332.8	320.7	292.5	279.1	267.0	261.6	250.9	245.5	242.9
75°	265.7	256.3	249.6	248.2	236.1	222.7	210.7	208.0	199.9	194.6	191.9
77.5°	186.5	183.8	182.5	183.8	175.8	167.7	165.0	162.4	153.0	151.6	151.6
80°	122.1	128.8	128.8	127.5	124.8	123.4	119.4	116.7	111.4	110.0	111.4
82.5°	75.1	79.2	80.5	83.2	81.8	80.5	77.8	76.5	77.8	75.1	76.5
85°	37.6	40.3	45.6	45.6	47.0	47.0	47.0	45.6	42.9	44.3	42.9
87.5°	14.8	16.1	16.1	16.1	14.8	18.8	20.1	20.1	20.1	17.4	17.4
90°	6.3	5.7	5.2	4.6	3.4	2.3	1.1	0.6	1.1	2.3	3.4
92.5°	96.0	57.2	46.9	36.6	24.6	16.0	10.3	8.6	10.3	16.0	24.6
95°	129.8	68.6	55.8	42.9	30.3	24.0	19.4	18.9	19.4	24.0	30.3
97.5°	112.1	69.7	60.3	50.9	39.4	33.2	29.7	29.2	29.7	33.2	39.4
100°	110.9	77.8	69.2	60.6	49.7	43.4	41.2	40.0	41.2	43.4	49.7
102.5°	116.1	87.5	79.2	70.9	61.2	54.3	52.6	52.0	52.6	54.3	61.2
105°	123.5	98.3	90.3	82.3	73.2	67.5	64.6	64.6	64.6	67.5	73.2
107.5°	133.8	109.2	102.1	94.9	85.2	80.6	77.8	76.6	77.8	80.6	85.2
110°	145.2	121.8	114.4	106.9	98.3	93.2	90.9	89.8	90.9	93.2	98.3

TEST NUMBER: P1028512

CATALOG NUMBER: S125RDIP-B1090D610UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	156.1	133.8	126.6	119.5	110.9	105.8	104.1	102.9	104.1	105.8	110.9
115°	167.5	146.4	139.2	132.1	123.5	118.3	116.6	115.5	116.6	118.3	123.5
117.5°	178.9	158.9	152.0	145.2	135.5	130.3	128.6	126.9	128.6	130.3	135.5
120°	191.5	171.5	164.4	157.2	147.5	142.4	140.1	138.4	140.1	142.4	147.5
122.5°	203.5	183.5	176.4	169.2	158.4	153.2	151.5	150.4	151.5	153.2	158.4
125°	213.8	195.0	187.6	180.1	169.2	164.1	161.2	160.1	161.2	164.1	169.2
127.5°	224.1	205.8	198.4	191.0	179.5	173.2	169.8	168.1	169.8	173.2	179.5
130°	233.8	216.1	208.6	201.2	189.2	181.8	177.2	175.5	177.2	181.8	189.2
132.5°	243.0	225.3	217.8	210.4	197.8	189.2	183.5	181.2	183.5	189.2	197.8
135°	251.0	233.3	225.6	217.8	205.8	196.7	189.8	187.5	189.8	196.7	205.8
137.5°	256.7	240.7	232.7	224.7	212.7	203.5	197.2	195.5	197.2	203.5	212.7
140°	263.0	246.4	238.7	231.0	220.1	211.0	204.1	202.4	204.1	211.0	220.1
142.5°	267.0	251.6	244.4	237.3	227.0	217.8	211.5	210.4	211.5	217.8	227.0
145°	271.6	256.7	250.1	243.5	233.3	225.3	219.5	218.4	219.5	225.3	233.3
147.5°	274.4	261.3	255.3	249.3	240.1	232.7	227.5	227.0	227.5	232.7	240.1
150°	277.3	264.7	259.8	255.0	247.0	239.5	235.5	234.4	235.5	239.5	247.0
152.5°	280.1	268.7	264.4	260.1	252.7	246.4	243.0	242.4	243.0	246.4	252.7
155°	281.9	272.1	268.1	264.1	258.4	252.7	249.3	249.3	249.3	252.7	258.4
157.5°	283.6	275.0	271.8	268.7	263.6	258.4	255.6	255.6	255.6	258.4	263.6
160°	284.7	277.3	274.7	272.1	267.6	263.6	261.3	261.8	261.3	263.6	267.6
162.5°	285.9	279.6	277.6	275.6	272.1	268.7	266.4	267.0	266.4	268.7	272.1
165°	285.9	281.3	279.6	277.9	275.6	272.7	271.0	272.1	271.0	272.7	275.6
167.5°	285.9	281.9	280.8	279.6	277.9	276.1	275.0	275.6	275.0	276.1	277.9
170°	285.9	283.0	282.2	281.3	280.1	279.0	278.4	279.0	278.4	279.0	280.1
172.5°	285.3	283.0	282.7	282.4	281.9	280.7	280.1	281.3	280.1	280.7	281.9
175°	284.7	283.0	283.0	283.0	283.0	282.4	281.9	283.0	281.9	282.4	283.0
177.5°	284.1	283.0	283.0	283.0	283.6	283.0	283.0	284.1	283.0	283.0	283.6
180°	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6

TEST NUMBER: P1028512

CATALOG NUMBER: S125RDIP-B1090D610UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2
2.5°	1612.8	1607.4	1603.4	1599.4	1581.9	1563.1	1560.5	1556.4	1548.4	1557.8	1553.7
5°	1571.2	1559.1	1552.4	1535.0	1513.5	1497.4	1484.0	1467.9	1461.2	1455.8	1454.5
7.5°	1520.2	1509.5	1497.4	1479.9	1453.1	1426.3	1406.2	1390.0	1376.6	1369.9	1369.9
10°	1470.6	1457.1	1441.0	1411.5	1386.0	1352.5	1331.0	1314.9	1296.1	1285.4	1276.0
12.5°	1419.6	1404.8	1390.0	1352.5	1323.0	1288.1	1257.2	1237.1	1227.7	1215.6	1199.5
15°	1368.6	1345.8	1331.0	1293.4	1255.9	1221.0	1200.9	1179.4	1157.9	1145.9	1140.5
17.5°	1314.9	1298.8	1274.7	1234.4	1192.8	1162.0	1132.4	1112.3	1086.8	1074.7	1062.7
20°	1266.6	1242.5	1218.3	1178.1	1137.8	1096.2	1066.7	1042.5	1026.4	1017.0	1006.3
22.5°	1208.9	1186.1	1166.0	1123.0	1078.8	1039.9	1007.7	992.9	976.8	962.0	951.3
25°	1159.3	1136.5	1116.3	1069.4	1021.1	984.8	960.7	941.9	924.5	917.8	907.0
27.5°	1106.9	1085.5	1058.6	1011.7	968.7	937.9	912.4	894.9	881.5	868.1	860.1
30°	1057.3	1033.1	1009.0	958.0	923.1	892.3	868.1	846.6	835.9	829.2	815.8
32.5°	1009.0	978.1	958.0	911.0	877.5	848.0	827.9	809.1	795.7	783.6	772.8
35°	956.7	923.1	903.0	864.1	829.2	799.7	782.2	768.8	752.7	742.0	736.6
37.5°	907.0	878.8	858.7	818.5	783.6	759.4	740.6	723.2	716.5	701.7	699.1
40°	853.4	829.2	810.4	771.5	739.3	720.5	700.4	684.3	672.2	665.5	656.1
42.5°	805.0	784.9	764.8	728.6	697.7	674.9	660.1	645.4	634.6	623.9	617.2
45°	760.8	739.3	720.5	685.6	654.8	634.6	619.9	602.4	599.8	585.0	578.3
47.5°	713.8	695.0	678.9	642.7	614.5	594.4	577.0	564.9	552.8	547.4	538.0
50°	668.2	649.4	630.6	598.4	572.9	552.8	535.4	521.9	515.2	507.2	499.1
52.5°	618.5	603.8	589.0	555.5	530.0	512.5	497.8	480.3	473.6	466.9	461.6
55°	577.0	555.5	539.4	511.2	488.4	469.6	453.5	440.1	433.4	428.0	421.3
57.5°	520.6	507.2	493.8	468.3	446.8	428.0	411.9	401.2	393.1	389.1	390.4
60°	472.3	457.5	449.5	422.7	401.2	386.4	371.7	360.9	352.9	348.9	347.5
62.5°	421.3	410.6	395.8	377.0	355.6	342.1	331.4	323.4	309.9	308.6	304.6
65°	371.7	363.6	350.2	332.8	315.3	303.2	291.2	280.4	275.1	268.3	264.3
67.5°	323.4	315.3	303.2	288.5	276.4	264.3	253.6	242.9	233.5	228.1	225.4
70°	276.4	269.7	261.6	244.2	229.4	220.0	212.0	205.3	195.9	193.2	191.9
72.5°	230.8	224.1	220.0	205.3	191.9	183.8	175.8	169.1	165.0	163.7	159.7
75°	189.2	182.5	177.1	163.7	155.6	150.3	142.2	139.5	135.5	134.2	132.8
77.5°	147.6	140.9	139.5	130.1	120.8	118.1	115.4	110.0	110.0	110.0	107.3
80°	106.0	104.7	103.3	93.9	89.9	87.2	85.9	81.8	79.2	76.5	75.1
82.5°	71.1	69.8	68.4	64.4	60.4	59.0	57.7	55.0	55.0	56.4	53.7
85°	42.9	40.3	38.9	37.6	34.9	34.9	36.2	34.9	34.9	34.9	33.5
87.5°	16.1	16.1	16.1	16.1	17.4	14.8	16.1	16.1	14.8	14.8	13.4
90°	4.6	5.2	5.7	6.3	7.4	8.0	9.1	9.7	10.3	10.9	11.4
92.5°	36.6	46.9	57.2	96.0	161.2	232.1	228.1	184.1	124.1	89.2	66.3
95°	42.9	55.8	68.6	129.8	255.6	413.3	506.5	495.7	411.1	324.2	253.8
97.5°	50.9	60.3	69.7	112.1	208.7	379.0	547.1	619.2	589.4	520.3	449.4
100°	60.6	69.2	77.8	110.9	185.2	329.3	516.3	659.2	703.2	675.2	616.3
102.5°	70.9	79.2	87.5	116.1	175.5	291.6	461.9	635.2	741.5	770.1	749.5
105°	82.3	90.3	98.3	123.5	174.4	269.8	414.5	578.6	715.8	794.1	819.3
107.5°	94.9	102.1	109.2	133.8	178.4	258.4	379.0	524.8	663.2	766.7	827.3
110°	106.9	114.4	121.8	145.2	184.7	253.8	355.6	480.2	603.7	712.3	793.0

TEST NUMBER: P1028512

CATALOG NUMBER: S125RDIP-B1090D610UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	119.5	126.6	133.8	156.1	192.7	253.8	341.9	447.1	556.8	658.6	740.4
115°	132.1	139.2	146.4	167.5	200.7	255.6	332.7	424.8	519.1	607.7	686.1
117.5°	145.2	152.0	158.9	178.9	209.8	258.4	327.6	409.9	492.8	571.1	639.7
120°	157.2	164.4	171.5	191.5	219.0	263.0	324.2	397.9	472.2	540.8	603.7
122.5°	169.2	176.4	183.5	203.5	229.3	267.0	321.3	387.6	456.8	519.1	573.4
125°	180.1	187.6	195.0	213.8	238.4	271.6	319.0	378.5	441.9	500.2	550.0
127.5°	191.0	198.4	205.8	224.1	247.0	276.7	317.9	369.9	426.5	482.0	528.8
130°	201.2	208.6	216.1	233.8	255.6	281.3	316.7	361.3	412.2	462.5	507.1
132.5°	210.4	217.8	225.3	243.0	263.0	286.4	316.7	354.5	397.9	444.2	483.7
135°	217.8	225.6	233.3	251.0	269.8	291.0	316.7	349.3	385.9	425.4	461.9
137.5°	224.7	232.7	240.7	256.7	275.0	295.6	317.3	344.2	375.0	408.2	439.6
140°	231.0	238.7	246.4	263.0	280.1	298.4	317.9	340.7	366.5	393.3	419.6
142.5°	237.3	244.4	251.6	267.0	283.0	300.1	318.4	337.9	359.0	380.8	402.5
145°	243.5	250.1	256.7	271.6	285.9	301.3	317.9	335.0	352.7	370.5	388.2
147.5°	249.3	255.3	261.3	274.4	287.6	301.9	316.7	332.2	346.5	361.3	375.6
150°	255.0	259.8	264.7	277.3	289.3	301.9	315.0	328.7	341.3	353.9	364.8
152.5°	260.1	264.4	268.7	280.1	290.4	301.3	312.7	324.7	335.6	346.5	356.2
155°	264.1	268.1	272.1	281.9	291.0	300.1	309.9	320.2	329.9	339.0	347.0
157.5°	268.7	271.8	275.0	283.6	291.6	299.0	307.0	316.2	324.2	332.2	338.5
160°	272.1	274.7	277.3	284.7	291.6	297.3	304.1	311.0	318.4	324.2	329.9
162.5°	275.6	277.6	279.6	285.9	291.0	295.6	300.7	306.4	312.2	317.3	321.9
165°	277.9	279.6	281.3	285.9	290.4	293.9	297.3	301.9	306.4	310.4	313.9
167.5°	279.6	280.8	281.9	285.9	289.3	291.0	293.9	297.3	300.7	303.6	306.4
170°	281.3	282.2	283.0	285.9	288.1	289.3	291.0	293.3	296.1	297.9	299.6
172.5°	282.4	282.7	283.0	285.3	287.0	287.0	287.6	289.3	291.0	292.7	293.9
175°	283.0	283.0	283.0	284.7	285.9	285.3	285.3	285.9	287.6	287.6	288.7
177.5°	283.0	283.0	283.0	284.1	284.7	283.6	283.6	284.1	284.7	285.3	285.3
180°	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6

TEST NUMBER: P1028512

CATALOG NUMBER: S125RDIP-B1090D610UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2
2.5°	1547.0	1549.7	1543.0	1540.3	1535.0	1541.7	1543.0	1541.7	1553.7	1548.4	1551.1
5°	1457.1	1451.8	1447.7	1438.4	1438.4	1439.7	1443.7	1437.0	1441.0	1450.4	1449.1
7.5°	1357.8	1355.2	1356.5	1345.8	1337.7	1340.4	1337.7	1349.8	1356.5	1353.8	1359.2
10°	1268.0	1273.3	1261.2	1255.9	1250.5	1255.9	1254.5	1257.2	1265.3	1270.6	1280.0
12.5°	1195.5	1194.2	1187.4	1182.1	1172.7	1175.4	1183.4	1180.7	1182.1	1194.2	1192.8
15°	1127.1	1119.0	1113.7	1101.6	1104.3	1094.9	1102.9	1112.3	1116.3	1127.1	1133.8
17.5°	1058.6	1057.3	1050.6	1049.2	1034.5	1030.5	1038.5	1041.2	1045.2	1050.6	1060.0
20°	1000.9	999.6	990.2	987.5	975.5	983.5	980.8	986.2	988.9	999.6	1003.6
22.5°	948.6	941.9	939.2	935.2	931.2	929.8	935.2	933.9	943.2	947.3	948.6
25°	900.3	894.9	893.6	886.9	884.2	880.2	884.2	888.2	899.0	903.0	908.4
27.5°	856.0	852.0	849.3	844.0	839.9	839.9	842.6	848.0	852.0	854.7	857.4
30°	815.8	813.1	805.0	802.4	798.3	798.3	798.3	801.0	807.7	815.8	819.8
32.5°	774.2	768.8	763.5	763.5	759.4	759.4	760.8	763.5	770.2	771.5	778.2
35°	733.9	728.6	724.5	721.9	723.2	717.8	720.5	724.5	732.6	735.3	739.3
37.5°	695.0	693.7	685.6	681.6	684.3	684.3	682.9	685.6	691.0	696.4	699.1
40°	652.1	649.4	649.4	645.4	646.7	641.4	645.4	648.1	650.7	656.1	660.1
42.5°	614.5	611.8	606.5	607.8	603.8	603.8	606.5	607.8	611.8	618.5	621.2
45°	574.3	574.3	571.6	567.6	568.9	564.9	567.6	568.9	574.3	581.0	578.3
47.5°	535.4	534.0	534.0	528.6	531.3	527.3	531.3	532.7	535.4	539.4	538.0
50°	497.8	493.8	495.1	493.8	492.4	492.4	495.1	495.1	497.8	497.8	501.8
52.5°	458.9	458.9	456.2	457.5	460.2	457.5	461.6	457.5	460.2	461.6	464.2
55°	424.0	421.3	422.7	421.3	426.7	422.7	426.7	424.0	426.7	425.3	428.0
57.5°	386.4	382.4	383.7	382.4	386.4	385.1	389.1	385.1	386.4	387.8	391.8
60°	343.5	343.5	343.5	340.8	344.8	344.8	343.5	343.5	348.9	351.5	350.2
62.5°	303.2	301.9	297.9	296.5	297.9	295.2	300.6	299.2	301.9	304.6	307.3
65°	259.0	256.3	254.9	252.2	252.2	250.9	252.2	257.6	259.0	260.3	267.0
67.5°	222.7	221.4	220.0	216.0	216.0	218.7	218.7	218.7	226.8	222.7	228.1
70°	190.5	187.8	185.2	183.8	183.8	185.2	186.5	187.8	186.5	191.9	193.2
72.5°	159.7	161.0	158.3	158.3	158.3	157.0	157.0	159.7	161.0	159.7	161.0
75°	132.8	132.8	131.5	132.8	132.8	131.5	131.5	134.2	134.2	132.8	136.9
77.5°	107.3	106.0	103.3	100.6	102.0	100.6	102.0	100.6	104.7	108.7	106.0
80°	75.1	73.8	73.8	73.8	75.1	73.8	76.5	73.8	75.1	75.1	76.5
82.5°	53.7	55.0	55.0	53.7	55.0	53.7	55.0	55.0	55.0	53.7	55.0
85°	34.9	34.9	34.9	34.9	33.5	34.9	34.9	34.9	36.2	34.9	36.2
87.5°	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	16.1	14.8	16.1
90°	12.0	12.6	12.6	12.6	13.1	13.1	13.1	12.6	12.6	12.6	12.0
92.5°	60.9	55.5	46.3	44.6	43.4	42.3	43.4	44.6	46.3	55.5	60.9
95°	229.8	205.8	165.2	148.1	143.5	134.4	143.5	148.1	165.2	205.8	229.8
97.5°	415.1	380.8	346.5	316.7	301.3	294.4	301.3	316.7	346.5	380.8	415.1
100°	586.6	556.8	517.4	476.2	455.1	445.9	455.1	476.2	517.4	556.8	586.6
102.5°	731.8	714.1	671.2	644.9	621.4	615.2	621.4	644.9	671.2	714.1	731.8
105°	816.2	813.0	794.7	775.8	764.4	757.5	764.4	775.8	794.7	813.0	816.2
107.5°	839.8	852.4	857.6	854.7	849.0	843.3	849.0	854.7	857.6	852.4	839.8
110°	817.3	841.6	867.3	878.1	882.1	882.1	882.1	878.1	867.3	841.6	817.3

TEST NUMBER: P1028512

CATALOG NUMBER: S125RDIP-B1090D610UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	770.1	799.8	840.4	861.0	872.4	877.6	872.4	861.0	840.4	799.8	770.1
115°	717.2	748.4	793.0	820.4	836.4	843.8	836.4	820.4	793.0	748.4	717.2
117.5°	669.2	698.6	743.8	772.4	788.4	793.0	788.4	772.4	743.8	698.6	669.2
120°	628.8	654.0	696.3	723.8	739.2	743.8	739.2	723.8	696.3	654.0	628.8
122.5°	596.6	619.7	656.3	680.9	696.3	700.3	696.3	680.9	656.3	619.7	596.6
125°	570.6	591.1	623.2	646.6	659.2	664.9	659.2	646.6	623.2	591.1	570.6
127.5°	548.2	567.7	596.9	618.0	630.0	632.3	630.0	618.0	596.9	567.7	548.2
130°	525.7	544.3	572.9	591.7	603.2	606.6	603.2	591.7	572.9	544.3	525.7
132.5°	501.4	519.1	547.7	566.6	576.9	580.9	576.9	566.6	547.7	519.1	501.4
135°	478.2	494.5	519.7	538.6	548.8	552.3	548.8	538.6	519.7	494.5	478.2
137.5°	453.9	468.2	491.1	508.8	518.5	522.5	518.5	508.8	491.1	468.2	453.9
140°	431.6	443.6	464.8	479.7	488.2	491.1	488.2	479.7	464.8	443.6	431.6
142.5°	412.5	422.5	439.6	451.7	459.7	461.9	459.7	451.7	439.6	422.5	412.5
145°	395.9	403.6	417.3	427.1	433.4	435.6	433.4	427.1	417.3	403.6	395.9
147.5°	381.6	387.6	399.1	407.1	411.1	412.2	411.1	407.1	399.1	387.6	381.6
150°	369.9	375.0	383.6	390.5	392.8	393.3	392.8	390.5	383.6	375.0	369.9
152.5°	359.9	363.6	370.5	375.6	377.9	378.5	377.9	375.6	370.5	363.6	359.9
155°	350.2	353.3	359.0	363.0	364.8	365.3	364.8	363.0	359.0	353.3	350.2
157.5°	341.0	343.6	348.2	351.6	353.3	353.3	353.3	351.6	348.2	343.6	341.0
160°	331.9	333.9	337.9	340.7	341.9	341.3	341.9	340.7	337.9	333.9	331.9
162.5°	323.6	325.3	328.2	330.4	330.4	330.4	330.4	330.4	328.2	325.3	323.6
165°	315.3	316.7	319.0	320.2	320.2	320.2	320.2	320.2	319.0	316.7	315.3
167.5°	307.5	308.7	309.9	311.0	310.4	310.4	310.4	311.0	309.9	308.7	307.5
170°	300.2	300.7	301.9	302.4	302.4	301.9	302.4	302.4	301.9	300.7	300.2
172.5°	294.2	294.4	294.4	295.6	294.4	293.9	294.4	295.6	294.4	294.4	294.2
175°	288.7	288.7	288.7	289.3	288.1	287.6	288.1	289.3	288.7	288.7	288.7
177.5°	285.3	285.3	284.7	285.3	283.6	283.6	283.6	285.3	284.7	285.3	285.3
180°	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6

TEST NUMBER: P1028512

CATALOG NUMBER: S125RDIP-B1090D610UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2	1634.2
2.5°	1545.7	1552.4	1547.0	1543.0	1553.7	1559.1	1559.1	1568.5	1577.9	1585.9	1587.3
5°	1450.4	1461.2	1463.8	1462.5	1478.6	1486.7	1504.1	1513.5	1526.9	1536.3	1547.0
7.5°	1363.2	1378.0	1379.3	1382.0	1406.2	1419.6	1434.3	1458.5	1477.3	1490.7	1502.8
10°	1276.0	1285.4	1294.8	1306.9	1331.0	1353.8	1375.3	1400.8	1424.9	1438.4	1455.8
12.5°	1210.3	1217.0	1227.7	1235.7	1261.2	1281.4	1309.5	1344.4	1379.3	1390.0	1411.5
15°	1141.8	1145.9	1167.3	1175.4	1196.8	1230.4	1247.8	1281.4	1318.9	1339.1	1363.2
17.5°	1062.7	1086.8	1100.2	1109.6	1136.5	1163.3	1191.5	1226.4	1274.7	1293.4	1310.9
20°	1006.3	1023.8	1038.5	1050.6	1074.7	1115.0	1140.5	1168.7	1214.3	1235.7	1261.2
22.5°	956.7	971.4	984.8	998.3	1014.4	1050.6	1080.1	1119.0	1164.6	1184.8	1214.3
25°	909.7	924.5	932.5	948.6	970.1	995.6	1030.5	1065.3	1111.0	1133.8	1162.0
27.5°	864.1	878.8	893.6	907.0	921.8	945.9	970.1	1014.4	1061.3	1088.2	1112.3
30°	825.2	831.9	845.3	860.1	874.8	897.6	925.8	956.7	1010.3	1034.5	1064.0
32.5°	782.2	794.3	803.7	814.4	833.2	852.0	877.5	916.4	959.3	982.2	1014.4
35°	742.0	752.7	759.4	778.2	790.3	810.4	835.9	870.8	907.0	932.5	960.7
37.5°	703.1	713.8	721.9	732.6	748.7	766.1	793.0	818.5	861.4	882.9	915.1
40°	662.8	672.2	681.6	693.7	708.4	729.9	746.0	778.2	813.1	837.3	861.4
42.5°	623.9	629.3	640.0	653.4	668.2	687.0	709.8	735.3	770.2	791.6	813.1
45°	582.3	591.7	603.8	613.2	626.6	645.4	665.5	688.3	723.2	744.7	767.5
47.5°	543.4	550.1	558.2	572.9	590.4	603.8	625.3	646.7	678.9	699.1	720.5
50°	503.2	509.9	521.9	531.3	544.7	562.2	582.3	605.1	636.0	649.4	670.9
52.5°	465.6	468.3	480.3	489.7	503.2	523.3	539.4	559.5	589.0	603.8	625.3
55°	428.0	430.7	437.4	446.8	461.6	477.7	495.1	517.9	543.4	556.8	577.0
57.5°	389.1	391.8	398.5	405.2	420.0	434.7	454.9	473.6	499.1	511.2	530.0
60°	350.2	350.2	356.9	366.3	377.0	390.4	407.9	430.7	449.5	464.2	477.7
62.5°	308.6	312.6	316.7	323.4	335.4	351.5	366.3	382.4	405.2	415.9	428.0
65°	267.0	271.0	279.1	285.8	295.2	305.9	324.7	338.1	355.6	367.6	378.4
67.5°	230.8	234.8	240.2	248.2	254.9	267.0	280.4	293.8	312.6	320.7	328.7
70°	193.2	197.2	201.3	212.0	218.7	228.1	237.5	250.9	267.0	272.4	279.1
72.5°	163.7	165.0	170.4	173.1	182.5	190.5	201.3	209.3	221.4	228.1	233.5
75°	138.2	138.2	139.5	142.2	147.6	153.0	161.0	169.1	179.8	183.8	190.5
77.5°	108.7	112.7	111.4	114.0	116.7	119.4	126.1	131.5	142.2	144.9	147.6
80°	77.8	79.2	83.2	87.2	87.2	91.2	95.3	96.6	103.3	107.3	107.3
82.5°	56.4	57.7	56.4	57.7	59.0	60.4	64.4	69.8	69.8	71.1	73.8
85°	34.9	34.9	36.2	37.6	37.6	36.2	38.9	37.6	38.9	41.6	41.6
87.5°	17.4	16.1	16.1	16.1	16.1	16.1	17.4	16.1	17.4	17.4	17.4
90°	11.4	10.9	10.3	9.7	9.1	8.0	7.4	6.3	5.7	5.2	4.6
92.5°	66.3	89.2	124.1	184.1	228.1	232.1	161.2	96.0	57.2	46.9	36.6
95°	253.8	324.2	411.1	495.7	506.5	413.3	255.6	129.8	68.6	55.8	42.9
97.5°	449.4	520.3	589.4	619.2	547.1	379.0	208.7	112.1	69.7	60.3	50.9
100°	616.3	675.2	703.2	659.2	516.3	329.3	185.2	110.9	77.8	69.2	60.6
102.5°	749.5	770.1	741.5	635.2	461.9	291.6	175.5	116.1	87.5	79.2	70.9
105°	819.3	794.1	715.8	578.6	414.5	269.8	174.4	123.5	98.3	90.3	82.3
107.5°	827.3	766.7	663.2	524.8	379.0	258.4	178.4	133.8	109.2	102.1	94.9
110°	793.0	712.3	603.7	480.2	355.6	253.8	184.7	145.2	121.8	114.4	106.9

TEST NUMBER: P1028512

CATALOG NUMBER: S125RDIP-B1090D610UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	740.4	658.6	556.8	447.1	341.9	253.8	192.7	156.1	133.8	126.6	119.5
115°	686.1	607.7	519.1	424.8	332.7	255.6	200.7	167.5	146.4	139.2	132.1
117.5°	639.7	571.1	492.8	409.9	327.6	258.4	209.8	178.9	158.9	152.0	145.2
120°	603.7	540.8	472.2	397.9	324.2	263.0	219.0	191.5	171.5	164.4	157.2
122.5°	573.4	519.1	456.8	387.6	321.3	267.0	229.3	203.5	183.5	176.4	169.2
125°	550.0	500.2	441.9	378.5	319.0	271.6	238.4	213.8	195.0	187.6	180.1
127.5°	528.8	482.0	426.5	369.9	317.9	276.7	247.0	224.1	205.8	198.4	191.0
130°	507.1	462.5	412.2	361.3	316.7	281.3	255.6	233.8	216.1	208.6	201.2
132.5°	483.7	444.2	397.9	354.5	316.7	286.4	263.0	243.0	225.3	217.8	210.4
135°	461.9	425.4	385.9	349.3	316.7	291.0	269.8	251.0	233.3	225.6	217.8
137.5°	439.6	408.2	375.0	344.2	317.3	295.6	275.0	256.7	240.7	232.7	224.7
140°	419.6	393.3	366.5	340.7	317.9	298.4	280.1	263.0	246.4	238.7	231.0
142.5°	402.5	380.8	359.0	337.9	318.4	300.1	283.0	267.0	251.6	244.4	237.3
145°	388.2	370.5	352.7	335.0	317.9	301.3	285.9	271.6	256.7	250.1	243.5
147.5°	375.6	361.3	346.5	332.2	316.7	301.9	287.6	274.4	261.3	255.3	249.3
150°	364.8	353.9	341.3	328.7	315.0	301.9	289.3	277.3	264.7	259.8	255.0
152.5°	356.2	346.5	335.6	324.7	312.7	301.3	290.4	280.1	268.7	264.4	260.1
155°	347.0	339.0	329.9	320.2	309.9	300.1	291.0	281.9	272.1	268.1	264.1
157.5°	338.5	332.2	324.2	316.2	307.0	299.0	291.6	283.6	275.0	271.8	268.7
160°	329.9	324.2	318.4	311.0	304.1	297.3	291.6	284.7	277.3	274.7	272.1
162.5°	321.9	317.3	312.2	306.4	300.7	295.6	291.0	285.9	279.6	277.6	275.6
165°	313.9	310.4	306.4	301.9	297.3	293.9	290.4	285.9	281.3	279.6	277.9
167.5°	306.4	303.6	300.7	297.3	293.9	291.0	289.3	285.9	281.9	280.8	279.6
170°	299.6	297.9	296.1	293.3	291.0	289.3	288.1	285.9	283.0	282.2	281.3
172.5°	293.9	292.7	291.0	289.3	287.6	287.0	287.0	285.3	283.0	282.7	282.4
175°	288.7	287.6	287.6	285.9	285.3	285.3	285.9	284.7	283.0	283.0	283.0
177.5°	285.3	285.3	284.7	284.1	283.6	283.6	284.7	284.1	283.0	283.0	283.0
180°	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6	283.6

TEST NUMBER: P1028512

CATALOG NUMBER: S125RDIP-B1090D610UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1634.2	1634.2	1634.2	1634.2
2.5°	1596.7	1608.8	1620.8	1635.6
5°	1564.5	1585.9	1608.8	1630.2
7.5°	1529.6	1560.5	1590.0	1620.8
10°	1490.7	1529.6	1563.1	1606.1
12.5°	1447.7	1489.3	1536.3	1584.6
15°	1404.8	1457.1	1506.8	1561.8
17.5°	1364.6	1414.2	1469.2	1535.0
20°	1316.3	1371.3	1433.0	1502.8
22.5°	1265.3	1325.6	1392.7	1467.9
25°	1222.3	1284.1	1348.5	1427.6
27.5°	1175.4	1239.8	1302.8	1387.4
30°	1121.7	1191.5	1255.9	1343.1
32.5°	1070.7	1140.5	1211.6	1293.4
35°	1021.1	1089.5	1160.6	1243.8
37.5°	974.1	1035.8	1105.6	1180.7
40°	929.8	986.2	1047.9	1116.3
42.5°	873.5	939.2	996.9	1046.6
45°	825.2	878.8	932.5	972.8
47.5°	768.8	822.5	868.1	900.3
50°	721.9	764.8	802.4	830.5
52.5°	665.5	705.8	736.6	758.1
55°	610.5	645.4	672.2	687.0
57.5°	560.9	583.7	603.8	617.2
60°	505.8	523.3	540.7	555.5
62.5°	446.8	465.6	475.0	491.1
65°	394.5	406.5	421.3	426.7
67.5°	343.5	350.2	359.6	370.3
70°	289.8	293.8	303.2	318.0
72.5°	242.9	246.9	253.6	259.0
75°	193.2	197.2	202.6	208.0
77.5°	151.6	153.0	155.6	161.0
80°	110.0	114.0	116.7	118.1
82.5°	76.5	77.8	77.8	79.2
85°	48.3	45.6	45.6	47.0
87.5°	17.4	20.1	20.1	22.8
90°	3.4	2.3	1.1	0.6
92.5°	24.6	16.0	10.3	8.6
95°	30.3	24.0	19.4	18.9
97.5°	39.4	33.2	29.7	29.2
100°	49.7	43.4	41.2	40.0
102.5°	61.2	54.3	52.6	52.0
105°	73.2	67.5	64.6	64.6
107.5°	85.2	80.6	77.8	76.6
110°	98.3	93.2	90.9	89.8

TEST NUMBER: P1028512

CATALOG NUMBER: S125RDIP-B1090D610UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	110.9	105.8	104.1	102.9
115°	123.5	118.3	116.6	115.5
117.5°	135.5	130.3	128.6	126.9
120°	147.5	142.4	140.1	138.4
122.5°	158.4	153.2	151.5	150.4
125°	169.2	164.1	161.2	160.1
127.5°	179.5	173.2	169.8	168.1
130°	189.2	181.8	177.2	175.5
132.5°	197.8	189.2	183.5	181.2
135°	205.8	196.7	189.8	187.5
137.5°	212.7	203.5	197.2	195.5
140°	220.1	211.0	204.1	202.4
142.5°	227.0	217.8	211.5	210.4
145°	233.3	225.3	219.5	218.4
147.5°	240.1	232.7	227.5	227.0
150°	247.0	239.5	235.5	234.4
152.5°	252.7	246.4	243.0	242.4
155°	258.4	252.7	249.3	249.3
157.5°	263.6	258.4	255.6	255.6
160°	267.6	263.6	261.3	261.8
162.5°	272.1	268.7	266.4	267.0
165°	275.6	272.7	271.0	272.1
167.5°	277.9	276.1	275.0	275.6
170°	280.1	279.0	278.4	279.0
172.5°	281.9	280.7	280.1	281.3
175°	283.0	282.4	281.9	283.0
177.5°	283.6	283.0	283.0	284.1
180°	283.6	283.6	283.6	283.6

(END OF REPORT)