

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: P1012338

Luminaire Tested: S123RDIP-B1165D365UB40-4F0-XX-W2A-A

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1012338
REPORT IS A COMBINATION OF REPORTS P993027 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-B1165D365UB40-4F0-XX-W2A-A
Description: Define 3 Regressed Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865}
{m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

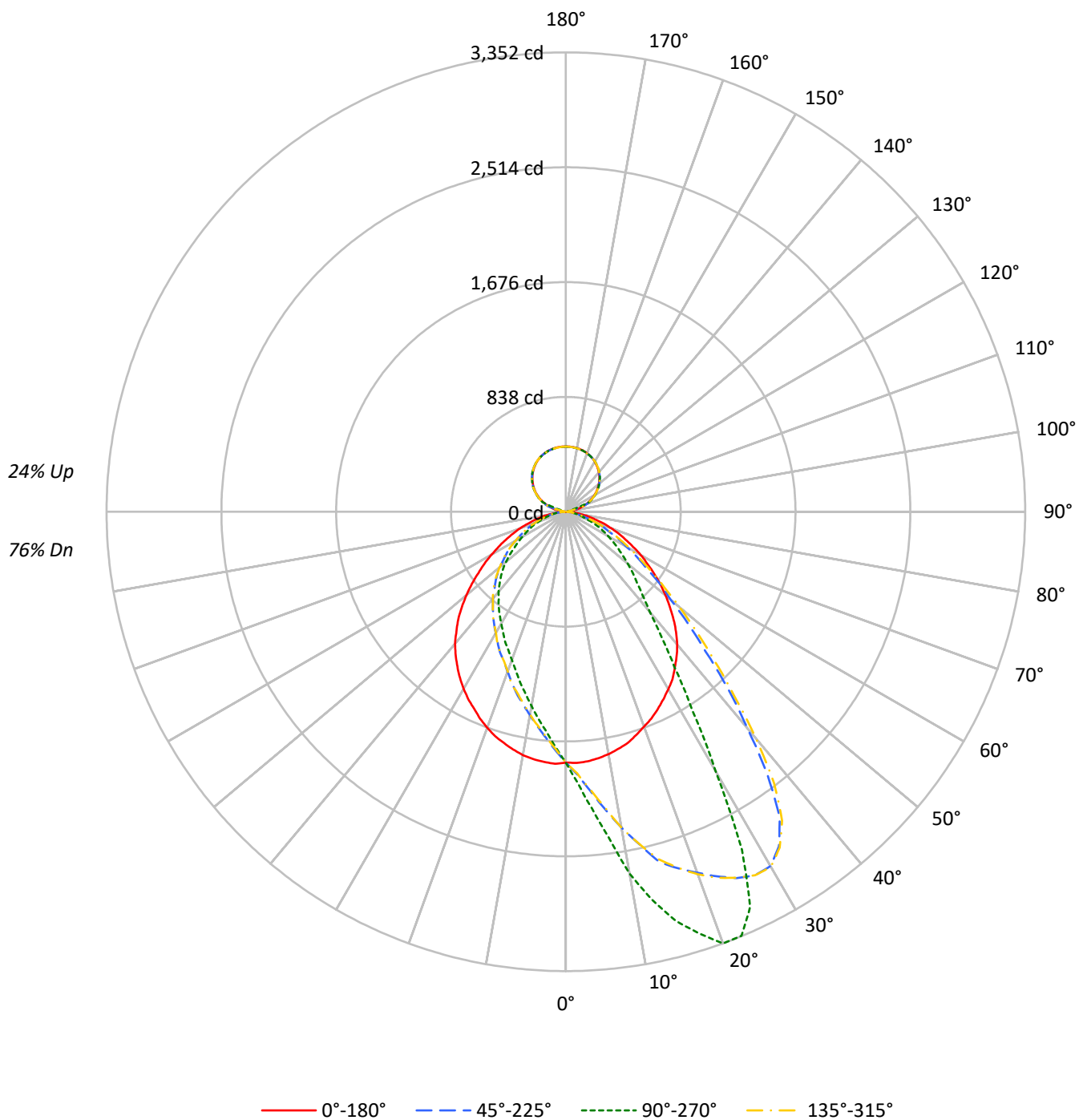
Lumens per Lamp: N/A
Luminaire Lumens: 6007.0 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 70.6
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	108	108	108	108	98	98	98	88	88	88	80	80	80
1	104	100	97	93	99	96	92	90	87	85	82	79	77	76	72	71	69
2	96	89	83	78	91	85	80	75	77	73	70	71	67	65	65	62	60
3	88	79	72	66	84	75	69	64	69	64	60	63	59	56	58	55	52
4	81	70	63	57	77	68	60	55	62	56	52	57	52	49	52	49	45
5	75	63	55	49	71	61	53	48	56	50	45	52	47	43	48	43	40
6	69	57	49	43	66	55	48	42	51	45	40	47	42	38	44	39	36
7	64	52	44	39	61	50	43	38	47	40	36	43	38	34	40	36	32
8	60	48	40	35	57	46	39	34	43	37	32	40	34	31	37	32	29
9	56	44	36	31	54	42	35	30	39	33	29	37	31	28	34	30	26
10	53	40	33	28	50	39	32	28	37	31	26	34	29	25	32	27	24

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	19695	19695	19695	19695
5°	19710	22682	19760	16828
10°	19535	27382	19620	14698
15°	19335	31076	19335	12961
20°	18938	33520	19044	11497
25°	18648	31847	18611	10490
30°	18310	22066	18272	9507
35°	17904	14167	17823	8763
40°	17399	10004	17312	8026
45°	16517	8006	16495	7307
50°	15437	6697	15386	6466
55°	14220	5519	14108	5482
60°	13026	4562	12896	4662
65°	11625	3651	11702	3951
70°	10334	2537	10610	3194
75°	8760	1882	9118	2457
80°	6976	1248	7568	1841
85°	4966	590	5417	1146

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 26293 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.7	3.0
10°-20°	562.5	9.4
20°-30°	885.9	14.7
30°-40°	921.2	15.3
40°-50°	788.1	13.1
50°-60°	600.8	10.0
60°-70°	384.9	6.4
70°-80°	184.4	3.1
80°-90°	49.5	0.8
90°-100°	16.8	0.3
100°-110°	81.1	1.3
110°-120°	198.7	3.3
120°-130°	252.3	4.2
130°-140°	269.5	4.5
140°-150°	252.0	4.2
150°-160°	203.3	3.4
160°-170°	131.2	2.2
170°-180°	45.2	0.8
0°-30°	1628.0	27.1
0°-40°	2549.2	42.4
0°-60°	3938.1	65.6
0°-90°	4557.0	75.9
90°-120°	296.6	4.9
90°-150°	1070.4	17.8
90°-180°	1450.0	24.1
0°-180°	6007.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1830	1830	1830	1830	1830	
5°	1828	2173	1833	1612	1828	173
15°	1747	3088	1747	1288	1747	491
25°	1588	3182	1585	1048	1588	732
35°	1386	1380	1380	854	1386	868
45°	1112	736	1111	672	1112	856
55°	785	462	779	459	785	703
65°	481	266	484	288	481	480
75°	230	113	240	147	230	249
85°	52	27	56	52	52	58
90°	0	11	0	11	0	4
95°	22	13	22	13	22	26
105°	105	16	105	16	105	112
115°	198	208	198	208	198	195
125°	278	284	278	284	278	249
135°	347	350	347	350	347	267
145°	400	404	400	404	400	250
155°	441	440	441	440	441	203
165°	465	464	465	464	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°	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7
2.5°	1834.4	1846.9	1856.3	1862.6	1878.2	1887.6	1895.5	1909.6	1909.6	1912.7	1919.0
5°	1828.1	1854.7	1873.5	1898.6	1931.5	1947.2	1969.1	1987.9	2014.5	2028.6	2042.7
7.5°	1814.0	1851.6	1890.8	1928.4	1976.9	2008.3	2030.2	2078.8	2113.2	2155.5	2188.4
10°	1795.2	1846.9	1897.0	1955.0	2020.8	2067.8	2100.7	2164.9	2230.7	2290.2	2340.4
12.5°	1771.7	1834.4	1906.4	1976.9	2069.4	2116.3	2169.6	2249.5	2343.5	2418.7	2486.0
15°	1746.7	1818.7	1900.2	1986.3	2102.3	2168.0	2244.8	2341.9	2446.9	2555.0	2647.4
17.5°	1707.5	1798.3	1889.2	2014.5	2150.8	2190.0	2255.8	2388.9	2518.9	2616.1	2728.9
20°	1668.3	1770.2	1884.5	1997.3	2144.5	2235.4	2296.5	2437.5	2576.9	2694.4	2802.5
22.5°	1632.3	1738.8	1857.9	2000.4	2138.3	2229.1	2305.9	2453.1	2614.5	2746.1	2879.2
25°	1588.4	1704.4	1835.9	1970.7	2138.3	2207.2	2291.8	2462.5	2633.3	2785.2	2949.7
27.5°	1541.4	1658.9	1788.9	1926.8	2080.3	2182.1	2265.2	2448.4	2656.8	2819.7	2988.9
30°	1494.4	1615.1	1740.4	1864.1	2036.5	2133.6	2229.1	2431.2	2669.3	2855.7	2985.8
32.5°	1449.0	1550.8	1674.6	1795.2	1966.0	2072.5	2180.6	2414.0	2674.0	2830.7	2893.3
35°	1386.4	1492.9	1593.1	1721.6	1893.9	1998.9	2125.7	2412.4	2653.7	2750.8	2719.5
37.5°	1328.4	1417.7	1513.2	1627.6	1804.6	1940.9	2072.5	2371.7	2586.3	2592.6	2415.6
40°	1264.2	1337.8	1417.7	1538.3	1729.4	1864.1	2006.7	2309.0	2464.1	2371.7	2060.0
42.5°	1190.5	1256.3	1319.0	1436.5	1644.8	1795.2	1948.7	2230.7	2287.1	2074.1	1749.8
45°	1112.2	1165.5	1223.4	1347.2	1555.5	1704.4	1857.9	2110.1	2052.1	1751.4	1442.8
47.5°	1030.8	1076.2	1132.6	1245.4	1460.0	1611.9	1757.6	1937.8	1790.5	1467.8	1209.3
50°	949.3	985.3	1040.2	1156.1	1362.9	1500.7	1635.4	1752.9	1546.1	1259.5	999.4
52.5°	869.4	897.6	954.0	1052.7	1253.2	1384.8	1481.9	1527.3	1317.4	1040.2	867.8
55°	784.8	816.1	853.7	954.0	1152.9	1250.1	1314.3	1312.7	1096.6	881.9	717.5
57.5°	703.4	731.6	764.5	864.7	1026.1	1091.9	1146.7	1120.1	914.8	722.2	615.6
60°	631.3	647.0	683.0	767.6	889.8	946.2	977.5	932.1	747.2	609.4	509.1
62.5°	553.0	568.6	598.4	678.3	753.5	783.3	809.9	751.9	617.2	496.6	435.5
65°	480.9	501.3	520.1	584.3	625.0	661.1	657.9	609.4	482.5	404.2	354.0
67.5°	418.3	426.1	441.8	480.9	499.7	526.3	527.9	473.1	388.5	329.0	299.2
70°	350.9	358.7	369.7	388.5	401.0	407.3	404.2	355.6	292.9	256.9	230.3
72.5°	292.9	291.4	299.2	299.2	311.7	310.2	300.8	263.2	222.4	192.7	177.0
75°	230.3	231.8	233.4	230.3	225.6	219.3	211.5	183.3	156.7	142.6	128.5
77.5°	180.1	177.0	178.6	167.6	161.4	155.1	144.1	130.0	108.1	105.0	98.7
80°	128.5	126.9	125.3	120.6	106.5	100.3	92.4	84.6	79.9	76.8	75.2
82.5°	86.2	86.2	83.0	73.6	65.8	61.1	59.5	56.4	51.7	51.7	50.1
85°	51.7	50.1	47.0	37.6	32.9	32.9	32.9	32.9	29.8	29.8	28.2
87.5°	20.4	18.8	14.1	14.1	12.5	12.5	12.5	11.0	11.0	9.4	9.4
90°	0.4	1.2	2.0	2.7	3.5	3.9	4.4	5.4	6.5	7.5	8.5
92.5°	8.1	7.6	7.2	6.7	6.2	6.0	6.4	7.1	7.8	8.5	9.2
95°	21.6	18.4	15.2	11.9	8.7	7.1	7.5	8.4	9.3	10.1	11.0
97.5°	39.2	37.0	34.8	32.6	30.4	29.3	27.3	23.3	19.3	15.3	11.3
100°	59.7	61.3	62.9	64.4	66.0	66.8	60.7	48.4	36.2	23.9	11.7
102.5°	83.0	84.0	85.0	86.1	87.1	87.6	80.8	67.1	53.4	39.8	26.1
105°	105.3	106.2	107.0	107.9	108.8	109.2	105.7	98.6	91.5	84.5	77.4
107.5°	129.0	129.7	130.4	131.1	131.8	132.2	132.8	134.0	135.1	136.3	137.5
110°	152.7	153.3	153.9	154.6	155.2	155.5	155.9	156.8	157.7	158.5	159.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	175.3	175.8	176.4	176.9	177.4	177.7	178.1	179.0	179.9	180.7	181.6
115°	197.5	198.0	198.5	199.0	199.5	199.7	200.0	200.7	201.4	202.1	202.8
117.5°	219.4	220.0	220.5	221.1	221.6	221.9	222.1	222.5	222.9	223.3	223.7
120°	239.6	240.3	241.0	241.7	242.4	242.8	242.9	243.1	243.4	243.6	243.8
122.5°	260.1	260.7	261.2	261.8	262.3	262.6	262.8	263.1	263.4	263.7	264.0
125°	278.5	279.1	279.7	280.4	281.0	281.3	281.5	281.8	282.1	282.4	282.7
127.5°	296.8	297.4	298.1	298.7	299.4	299.7	299.9	300.3	300.6	301.0	301.4
130°	313.8	314.4	315.0	315.7	316.3	316.6	316.8	317.1	317.4	317.7	318.0
132.5°	330.1	330.7	331.3	332.0	332.6	332.9	333.0	333.2	333.5	333.7	333.9
135°	346.7	347.2	347.6	348.1	348.6	348.8	349.0	349.3	349.6	349.9	350.2
137.5°	360.8	361.4	362.0	362.7	363.3	363.6	363.7	363.8	364.0	364.1	364.3
140°	374.9	375.4	375.9	376.4	376.9	377.1	377.2	377.4	377.7	377.9	378.1
142.5°	388.0	388.5	388.9	389.4	389.9	390.1	390.2	390.5	390.7	391.0	391.2
145°	400.0	400.6	401.1	401.7	402.2	402.5	402.6	402.7	402.9	403.0	403.2
147.5°	411.7	412.1	412.5	412.9	413.3	413.5	413.6	413.7	413.9	414.0	414.2
150°	422.3	422.5	422.7	423.0	423.2	423.3	423.4	423.6	423.7	423.9	424.1
152.5°	431.8	431.9	432.0	432.1	432.2	432.2	432.2	432.3	432.4	432.4	432.5
155°	440.7	440.5	440.4	440.2	440.1	440.0	440.0	440.1	440.2	440.2	440.3
157.5°	447.7	447.7	447.7	447.7	447.7	447.7	447.7	447.6	447.5	447.5	447.4
160°	454.1	454.0	453.9	453.8	453.7	453.7	453.7	453.6	453.5	453.5	453.4
162.5°	460.1	459.9	459.6	459.4	459.1	459.0	459.0	458.9	458.8	458.8	458.7
165°	464.7	464.5	464.2	464.0	463.7	463.6	463.6	463.5	463.4	463.4	463.3
167.5°	468.6	468.3	468.0	467.7	467.4	467.2	467.2	467.2	467.2	467.2	467.2
170°	471.8	471.5	471.1	470.8	470.5	470.3	470.3	470.3	470.3	470.3	470.3
172.5°	473.9	473.5	473.1	472.7	472.3	472.1	472.1	472.2	472.3	472.4	472.5
175°	475.6	475.2	474.8	474.5	474.1	473.9	473.9	474.0	474.1	474.1	474.2
177.5°	476.4	476.0	475.6	475.2	474.8	474.6	474.6	474.7	474.8	474.8	474.9
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7
2.5°	1931.5	1931.5	1945.6	1959.7	1951.9	1956.6	1973.8	1967.5	1980.1	1978.5	1983.2
5°	2077.2	2094.4	2108.5	2138.3	2143.0	2138.3	2168.0	2175.9	2190.0	2172.7	2180.6
7.5°	2241.7	2277.7	2312.2	2356.0	2370.1	2373.3	2388.9	2410.9	2429.6	2395.2	2412.4
10°	2401.5	2456.3	2526.8	2565.9	2600.4	2612.9	2625.5	2639.6	2661.5	2681.9	2666.2
12.5°	2573.8	2653.7	2721.0	2791.5	2833.8	2829.1	2865.1	2874.5	2891.8	2896.5	2902.7
15°	2714.8	2827.5	2869.8	2974.8	2984.2	3015.5	3056.3	3092.3	3097.0	3087.6	3087.6
17.5°	2849.5	2946.6	3021.8	3106.4	3123.6	3150.2	3201.9	3219.2	3225.4	3223.9	3223.9
20°	2959.1	3023.4	3150.2	3220.7	3248.9	3283.4	3319.4	3341.4	3346.1	3352.3	3342.9
22.5°	3031.2	3128.3	3231.7	3289.7	3313.2	3325.7	3349.2	3355.5	3347.6	3349.2	3350.8
25°	3087.6	3183.1	3245.8	3261.5	3259.9	3244.2	3227.0	3197.2	3194.1	3181.6	3156.5
27.5°	3103.2	3139.3	3131.4	3067.2	3003.0	2996.7	2893.3	2836.9	2772.7	2782.1	2746.1
30°	3018.7	2971.7	2860.4	2697.5	2630.2	2520.5	2404.6	2284.0	2237.0	2185.3	2280.8
32.5°	2811.9	2644.3	2446.9	2235.4	2122.6	2025.5	1901.7	1814.0	1763.9	1721.6	1803.0
35°	2500.1	2238.5	1976.9	1776.4	1684.0	1596.3	1480.3	1436.5	1373.8	1380.1	1387.9
37.5°	2099.1	1810.9	1613.5	1416.1	1355.0	1319.0	1234.4	1167.0	1145.1	1138.8	1138.8
40°	1723.2	1486.6	1311.2	1156.1	1109.1	1079.3	1012.0	980.6	957.1	950.9	958.7
42.5°	1425.5	1223.4	1087.2	983.8	950.9	913.3	885.1	845.9	841.2	830.2	844.3
45°	1196.8	1021.4	919.5	844.3	816.1	802.1	770.7	747.2	737.8	736.3	747.2
47.5°	1015.1	878.8	789.5	742.5	720.6	706.5	679.9	670.5	661.1	664.2	659.5
50°	852.2	750.4	692.4	650.1	636.0	621.9	604.7	595.3	590.6	590.6	589.0
52.5°	731.6	647.0	609.4	570.2	563.9	556.1	537.3	531.0	523.2	521.6	527.9
55°	626.6	568.6	531.0	507.5	501.3	485.6	477.8	470.0	465.3	462.1	463.7
57.5°	535.7	491.9	466.8	446.5	435.5	429.2	415.1	413.6	410.4	410.4	408.9
60°	460.6	429.2	399.5	386.9	379.1	371.3	369.7	360.3	355.6	358.7	357.2
62.5°	390.1	365.0	347.8	333.7	329.0	322.7	318.0	314.9	310.2	311.7	311.7
65°	325.8	305.5	292.9	280.4	278.8	272.6	271.0	267.9	267.9	266.3	269.4
67.5°	267.9	253.8	242.8	235.0	230.3	231.8	225.6	220.9	220.9	219.3	224.0
70°	213.0	205.2	194.2	184.8	178.6	178.6	170.7	169.2	169.2	169.2	167.6
72.5°	164.5	150.4	145.7	142.6	142.6	142.6	139.4	139.4	137.9	139.4	137.9
75°	122.2	120.6	117.5	115.9	115.9	114.4	112.8	112.8	112.8	112.8	112.8
77.5°	95.6	95.6	92.4	90.9	90.9	90.9	89.3	89.3	87.7	87.7	87.7
80°	70.5	70.5	67.4	67.4	67.4	65.8	65.8	65.8	67.4	65.8	65.8
82.5°	48.6	48.6	47.0	48.6	47.0	45.4	45.4	45.4	43.9	45.4	45.4
85°	28.2	28.2	26.6	25.1	26.6	26.6	25.1	26.6	25.1	26.6	25.1
87.5°	11.0	9.4	9.4	9.4	7.8	9.4	7.8	7.8	9.4	7.8	9.4
90°	8.8	9.1	9.4	9.7	9.9	10.0	10.1	10.3	10.4	10.6	10.4
92.5°	9.8	10.3	10.9	11.4	11.7	11.7	11.8	11.9	11.9	12.0	11.9
95°	11.5	12.1	12.6	13.1	13.4	13.4	13.4	13.4	13.4	13.4	13.4
97.5°	11.9	12.5	13.2	13.8	14.1	14.1	14.2	14.3	14.4	14.5	14.4
100°	12.3	12.9	13.6	14.2	14.5	14.5	14.6	14.7	14.7	14.8	14.7
102.5°	23.5	20.9	18.4	15.8	14.5	14.6	14.7	14.9	15.0	15.2	15.0
105°	63.5	49.6	35.7	21.8	14.8	14.9	15.0	15.2	15.3	15.5	15.3
107.5°	125.4	113.3	101.2	89.1	83.0	77.9	67.6	57.3	47.1	36.8	47.1
110°	156.8	154.2	151.6	149.0	147.7	142.1	130.9	119.6	108.4	97.2	108.4

TEST NUMBER: P1012338

CATALOG NUMBER: S123RDIP-B1165D365UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	182.3	183.0	183.7	184.4	184.8	184.7	184.6	184.4	184.3	184.1	184.3
115°	203.6	204.4	205.2	206.0	206.4	206.6	206.9	207.2	207.5	207.8	207.5
117.5°	224.3	224.9	225.6	226.2	226.5	226.5	226.6	226.7	226.8	226.9	226.8
120°	244.4	245.1	245.7	246.4	246.7	246.7	246.7	246.7	246.7	246.7	246.7
122.5°	264.4	264.8	265.1	265.5	265.7	265.7	265.8	265.9	266.0	266.1	266.0
125°	282.9	283.0	283.2	283.3	283.4	283.5	283.6	283.8	283.9	284.1	283.9
127.5°	301.6	301.9	302.1	302.4	302.5	302.4	302.3	302.1	302.0	301.8	302.0
130°	318.3	318.7	319.0	319.3	319.5	319.4	319.2	319.1	318.9	318.7	318.9
132.5°	334.2	334.6	334.9	335.2	335.4	335.3	335.0	334.8	334.5	334.3	334.5
135°	350.4	350.7	350.9	351.2	351.3	351.2	350.9	350.7	350.4	350.2	350.4
137.5°	364.7	365.1	365.5	365.9	366.1	366.0	365.9	365.7	365.6	365.4	365.6
140°	378.4	378.7	379.0	379.3	379.5	379.4	379.3	379.1	379.0	378.8	379.0
142.5°	391.4	391.6	391.9	392.1	392.2	392.1	391.9	391.6	391.4	391.2	391.4
145°	403.4	403.5	403.7	403.8	403.9	403.9	403.9	403.9	403.9	403.9	403.9
147.5°	414.4	414.5	414.7	414.8	414.9	414.7	414.3	413.9	413.5	413.1	413.5
150°	424.3	424.4	424.6	424.7	424.8	424.7	424.4	424.2	423.9	423.7	423.9
152.5°	432.8	433.1	433.4	433.7	433.9	433.7	433.3	433.0	432.6	432.2	432.6
155°	440.7	441.1	441.5	441.9	442.1	441.9	441.4	440.9	440.5	440.0	440.5
157.5°	447.9	448.3	448.8	449.3	449.5	449.2	448.6	447.9	447.3	446.7	447.3
160°	453.9	454.3	454.8	455.3	455.5	455.2	454.7	454.1	453.6	453.0	453.6
162.5°	459.3	459.8	460.4	460.9	461.2	461.0	460.5	460.0	459.5	459.0	459.5
165°	463.9	464.5	465.2	465.8	466.1	465.8	465.3	464.7	464.2	463.6	464.2
167.5°	467.8	468.4	469.1	469.7	470.0	469.7	469.1	468.4	467.8	467.2	467.8
170°	470.9	471.6	472.2	472.9	473.2	472.9	472.2	471.6	470.9	470.3	470.9
172.5°	473.1	473.7	474.4	475.0	475.3	474.9	474.2	473.5	472.8	472.1	472.8
175°	474.8	475.3	475.9	476.4	476.7	476.4	475.8	475.1	474.5	473.9	474.5
177.5°	475.5	476.2	476.8	477.5	477.8	477.4	476.6	475.8	475.0	474.2	475.0
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6

TEST NUMBER: P1012338

CATALOG NUMBER: S123RDIP-B1165D365UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7
2.5°	1975.4	1966.0	1959.7	1955.0	1950.3	1964.4	1945.6	1925.2	1911.1	1901.7	1898.6
5°	2182.1	2161.8	2144.5	2130.4	2133.6	2133.6	2100.7	2064.7	2033.3	2016.1	1997.3
7.5°	2421.8	2399.9	2365.4	2357.6	2351.3	2312.2	2279.3	2213.5	2174.3	2135.1	2100.7
10°	2659.9	2631.7	2598.8	2587.9	2572.2	2523.6	2473.5	2388.9	2340.4	2268.3	2222.9
12.5°	2882.4	2847.9	2815.0	2807.2	2783.7	2741.4	2655.2	2567.5	2484.5	2407.7	2327.8
15°	3068.8	3059.4	3009.3	2977.9	2926.2	2868.3	2849.5	2730.4	2625.5	2545.6	2401.5
17.5°	3225.4	3181.6	3134.6	3114.2	3093.8	3026.5	2959.1	2836.9	2724.2	2606.7	2514.2
20°	3350.8	3302.2	3269.3	3239.5	3230.1	3153.4	3046.9	2938.8	2815.0	2683.4	2562.8
22.5°	3357.0	3350.8	3328.8	3311.6	3292.8	3242.7	3158.1	3023.4	2891.8	2747.7	2589.4
25°	3227.0	3217.6	3280.3	3264.6	3277.1	3258.3	3212.9	3100.1	2946.6	2777.4	2617.6
27.5°	2835.4	2930.9	3029.6	3064.1	3087.6	3154.9	3176.9	3114.2	2990.5	2810.3	2631.7
30°	2302.8	2429.6	2589.4	2675.6	2741.4	2866.7	3029.6	3050.0	2992.0	2847.9	2628.6
32.5°	1807.7	1923.7	2052.1	2153.9	2241.7	2498.6	2717.9	2876.1	2904.3	2829.1	2636.4
35°	1456.8	1507.0	1629.2	1726.3	1845.3	2064.7	2323.1	2578.5	2750.8	2760.2	2612.9
37.5°	1201.5	1228.1	1334.7	1389.5	1460.0	1652.7	1893.9	2227.6	2495.4	2622.3	2547.1
40°	994.7	1055.8	1116.9	1148.2	1198.4	1331.5	1563.4	1825.0	2157.1	2392.1	2445.3
42.5°	863.1	889.8	928.9	972.8	1004.1	1120.1	1275.1	1514.8	1814.0	2141.4	2288.7
45°	761.3	770.7	811.4	839.6	872.5	954.0	1063.7	1264.2	1527.3	1850.0	2100.7
47.5°	676.7	695.5	717.5	734.7	756.6	819.3	913.3	1059.0	1290.8	1579.0	1848.5
50°	601.5	612.5	640.7	648.5	664.2	708.1	780.1	891.3	1082.5	1312.7	1591.6
52.5°	531.0	551.4	562.4	573.3	587.4	623.5	670.5	761.3	905.4	1121.6	1358.2
55°	476.2	482.5	498.1	507.5	518.5	543.6	584.3	651.7	764.5	936.8	1160.8
57.5°	423.0	423.0	438.6	446.5	457.4	476.2	512.2	563.9	645.4	773.9	979.1
60°	366.6	368.1	380.7	390.1	393.2	412.0	441.8	482.5	545.1	639.1	806.8
62.5°	316.4	324.3	330.5	333.7	344.6	355.6	380.7	408.9	452.7	535.7	654.8
65°	274.1	275.7	280.4	283.5	288.2	300.8	319.6	338.4	376.0	437.1	534.2
67.5°	225.6	231.8	238.1	238.1	242.8	249.1	267.9	283.5	311.7	347.8	413.6
70°	169.2	172.3	181.7	186.4	192.7	203.6	213.0	222.4	244.4	271.0	321.1
72.5°	141.0	141.0	144.1	145.7	145.7	153.5	167.6	177.0	188.0	206.8	241.2
75°	112.8	112.8	117.5	115.9	119.1	122.2	123.8	130.0	136.3	150.4	170.7
77.5°	89.3	90.9	90.9	92.4	92.4	94.0	95.6	98.7	101.8	109.7	119.1
80°	65.8	67.4	67.4	68.9	68.9	70.5	72.1	73.6	76.8	79.9	84.6
82.5°	45.4	47.0	47.0	48.6	47.0	48.6	50.1	50.1	51.7	54.8	56.4
85°	26.6	26.6	28.2	26.6	26.6	26.6	28.2	28.2	29.8	34.5	34.5
87.5°	7.8	9.4	7.8	9.4	9.4	9.4	9.4	11.0	11.0	12.5	14.1
90°	10.3	10.1	10.0	9.9	9.7	9.4	9.1	8.8	8.5	7.5	6.5
92.5°	11.9	11.8	11.7	11.7	11.4	10.9	10.3	9.8	9.2	8.5	7.8
95°	13.4	13.4	13.4	13.4	13.1	12.6	12.1	11.5	11.0	10.1	9.3
97.5°	14.3	14.2	14.1	14.1	13.8	13.2	12.5	11.9	11.3	15.3	19.3
100°	14.7	14.6	14.5	14.5	14.2	13.6	12.9	12.3	11.7	23.9	36.2
102.5°	14.9	14.7	14.6	14.5	15.8	18.4	20.9	23.5	26.1	39.8	53.4
105°	15.2	15.0	14.9	14.8	21.8	35.7	49.6	63.5	77.4	84.5	91.5
107.5°	57.3	67.6	77.9	83.0	89.1	101.2	113.3	125.4	137.5	136.3	135.1
110°	119.6	130.9	142.1	147.7	149.0	151.6	154.2	156.8	159.4	158.5	157.7

TEST NUMBER: P1012338

CATALOG NUMBER: S123RDIP-B1165D365UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	184.4	184.6	184.7	184.8	184.4	183.7	183.0	182.3	181.6	180.7	179.9
115°	207.2	206.9	206.6	206.4	206.0	205.2	204.4	203.6	202.8	202.1	201.4
117.5°	226.7	226.6	226.5	226.5	226.2	225.6	224.9	224.3	223.7	223.3	222.9
120°	246.7	246.7	246.7	246.7	246.4	245.7	245.1	244.4	243.8	243.6	243.4
122.5°	265.9	265.8	265.7	265.7	265.5	265.1	264.8	264.4	264.0	263.7	263.4
125°	283.8	283.6	283.5	283.4	283.3	283.2	283.0	282.9	282.7	282.4	282.1
127.5°	302.1	302.3	302.4	302.5	302.4	302.1	301.9	301.6	301.4	301.0	300.6
130°	319.1	319.2	319.4	319.5	319.3	319.0	318.7	318.3	318.0	317.7	317.4
132.5°	334.8	335.0	335.3	335.4	335.2	334.9	334.6	334.2	333.9	333.7	333.5
135°	350.7	350.9	351.2	351.3	351.2	350.9	350.7	350.4	350.2	349.9	349.6
137.5°	365.7	365.9	366.0	366.1	365.9	365.5	365.1	364.7	364.3	364.1	364.0
140°	379.1	379.3	379.4	379.5	379.3	379.0	378.7	378.4	378.1	377.9	377.7
142.5°	391.6	391.9	392.1	392.2	392.1	391.9	391.6	391.4	391.2	391.0	390.7
145°	403.9	403.9	403.9	403.9	403.8	403.7	403.5	403.4	403.2	403.0	402.9
147.5°	413.9	414.3	414.7	414.9	414.8	414.7	414.5	414.4	414.2	414.0	413.9
150°	424.2	424.4	424.7	424.8	424.7	424.6	424.4	424.3	424.1	423.9	423.7
152.5°	433.0	433.3	433.7	433.9	433.7	433.4	433.1	432.8	432.5	432.4	432.4
155°	440.9	441.4	441.9	442.1	441.9	441.5	441.1	440.7	440.3	440.2	440.2
157.5°	447.9	448.6	449.2	449.5	449.3	448.8	448.3	447.9	447.4	447.5	447.5
160°	454.1	454.7	455.2	455.5	455.3	454.8	454.3	453.9	453.4	453.5	453.5
162.5°	460.0	460.5	461.0	461.2	460.9	460.4	459.8	459.3	458.7	458.8	458.8
165°	464.7	465.3	465.8	466.1	465.8	465.2	464.5	463.9	463.3	463.4	463.4
167.5°	468.4	469.1	469.7	470.0	469.7	469.1	468.4	467.8	467.2	467.2	467.2
170°	471.6	472.2	472.9	473.2	472.9	472.2	471.6	470.9	470.3	470.3	470.3
172.5°	473.5	474.2	474.9	475.3	475.0	474.4	473.7	473.1	472.5	472.4	472.3
175°	475.1	475.8	476.4	476.7	476.4	475.9	475.3	474.8	474.2	474.1	474.1
177.5°	475.8	476.6	477.4	477.8	477.5	476.8	476.2	475.5	474.9	474.8	474.8
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6

TEST NUMBER: P1012338

CATALOG NUMBER: S123RDIP-B1165D365UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7
2.5°	1893.9	1886.1	1878.2	1878.2	1861.0	1845.3	1837.5	1840.6	1831.2	1818.7	1806.2
5°	1976.9	1945.6	1939.3	1922.1	1898.6	1865.7	1848.5	1832.8	1814.0	1788.9	1765.5
7.5°	2053.7	2013.0	1991.0	1973.8	1928.4	1882.9	1845.3	1820.3	1787.4	1749.8	1721.6
10°	2153.9	2078.8	2055.3	2016.1	1951.9	1887.6	1843.8	1803.0	1757.6	1713.8	1676.2
12.5°	2233.8	2147.7	2103.8	2064.7	1981.6	1900.2	1826.5	1776.4	1721.6	1673.0	1624.5
15°	2324.7	2227.6	2150.8	2103.8	1998.9	1900.2	1817.1	1746.7	1685.6	1626.0	1583.7
17.5°	2368.6	2246.4	2211.9	2144.5	1992.6	1893.9	1792.1	1716.9	1643.3	1574.3	1524.2
20°	2437.5	2294.9	2208.8	2163.3	2028.6	1882.9	1763.9	1677.7	1601.0	1527.3	1474.1
22.5°	2442.2	2287.1	2230.7	2144.5	1978.5	1850.0	1738.8	1633.9	1544.6	1475.6	1420.8
25°	2431.2	2273.0	2194.7	2125.7	1987.9	1831.2	1688.7	1585.3	1497.6	1417.7	1353.5
27.5°	2426.5	2232.3	2158.6	2089.7	1934.6	1776.4	1658.9	1541.4	1441.2	1370.7	1304.9
30°	2420.3	2188.4	2099.1	2019.2	1876.7	1734.1	1593.1	1491.3	1395.8	1306.5	1240.7
32.5°	2379.5	2128.9	2038.0	1953.4	1799.9	1657.4	1546.1	1438.1	1334.7	1251.6	1192.1
35°	2367.0	2074.1	1955.0	1864.1	1713.8	1586.9	1469.4	1380.1	1283.0	1199.9	1129.5
37.5°	2331.0	2017.7	1889.2	1773.3	1616.6	1496.0	1409.9	1320.6	1226.6	1137.3	1080.9
40°	2268.3	1951.9	1806.2	1687.1	1525.8	1403.6	1323.7	1257.9	1165.5	1085.6	1016.7
42.5°	2175.9	1884.5	1727.9	1602.5	1424.0	1309.6	1243.8	1181.1	1102.8	1019.8	963.4
45°	2069.4	1795.2	1649.5	1510.1	1328.4	1217.2	1148.2	1110.7	1038.6	968.1	902.3
47.5°	1923.7	1702.8	1558.7	1414.6	1229.7	1121.6	1066.8	1029.2	979.1	902.3	849.0
50°	1740.4	1583.7	1447.5	1319.0	1132.6	1029.2	974.4	946.2	903.9	849.0	797.4
52.5°	1536.7	1445.9	1333.1	1214.0	1033.9	936.8	886.6	864.7	833.4	781.7	737.8
55°	1331.5	1292.4	1215.6	1098.1	930.5	850.6	806.8	778.6	755.1	717.5	679.9
57.5°	1148.2	1129.5	1076.2	985.3	844.3	761.3	723.7	704.9	686.1	657.9	620.3
60°	958.7	979.1	924.2	878.8	750.4	678.3	645.4	625.0	615.6	590.6	567.1
62.5°	794.2	813.0	781.7	747.2	656.4	592.1	571.8	553.0	546.7	524.8	501.3
65°	645.4	668.9	645.4	626.6	571.8	518.5	493.4	484.1	477.8	463.7	444.9
67.5°	513.8	537.3	526.3	502.8	485.6	441.8	427.7	418.3	415.1	404.2	388.5
70°	386.9	419.8	423.0	408.9	393.2	372.8	363.4	360.3	352.5	343.1	333.7
72.5°	278.8	316.4	318.0	318.0	308.6	308.6	299.2	294.5	294.5	285.1	274.1
75°	205.2	230.3	233.4	236.5	241.2	245.9	239.7	239.7	238.1	228.7	224.0
77.5°	136.3	158.2	166.0	177.0	183.3	183.3	186.4	189.5	186.4	181.7	178.6
80°	87.7	103.4	112.8	119.1	128.5	133.2	137.9	139.4	136.3	134.7	130.0
82.5°	58.0	62.7	67.4	75.2	86.2	94.0	94.0	92.4	95.6	94.0	92.4
85°	32.9	36.0	37.6	39.2	45.4	53.3	54.8	56.4	59.5	56.4	53.3
87.5°	12.5	14.1	14.1	14.1	17.2	18.8	23.5	29.8	28.2	25.1	25.1
90°	5.4	4.4	3.9	3.5	2.7	2.0	1.2	0.4	1.2	2.0	2.7
92.5°	7.1	6.4	6.0	6.2	6.7	7.2	7.6	8.1	7.6	7.2	6.7
95°	8.4	7.5	7.1	8.7	11.9	15.2	18.4	21.6	18.4	15.2	11.9
97.5°	23.3	27.3	29.3	30.4	32.6	34.8	37.0	39.2	37.0	34.8	32.6
100°	48.4	60.7	66.8	66.0	64.4	62.9	61.3	59.7	61.3	62.9	64.4
102.5°	67.1	80.8	87.6	87.1	86.1	85.0	84.0	83.0	84.0	85.0	86.1
105°	98.6	105.7	109.2	108.8	107.9	107.0	106.2	105.3	106.2	107.0	107.9
107.5°	134.0	132.8	132.2	131.8	131.1	130.4	129.7	129.0	129.7	130.4	131.1
110°	156.8	155.9	155.5	155.2	154.6	153.9	153.3	152.7	153.3	153.9	154.6

TEST NUMBER: P1012338

CATALOG NUMBER: S123RDIP-B1165D365UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	179.0	178.1	177.7	177.4	176.9	176.4	175.8	175.3	175.8	176.4	176.9
115°	200.7	200.0	199.7	199.5	199.0	198.5	198.0	197.5	198.0	198.5	199.0
117.5°	222.5	222.1	221.9	221.6	221.1	220.5	220.0	219.4	220.0	220.5	221.1
120°	243.1	242.9	242.8	242.4	241.7	241.0	240.3	239.6	240.3	241.0	241.7
122.5°	263.1	262.8	262.6	262.3	261.8	261.2	260.7	260.1	260.7	261.2	261.8
125°	281.8	281.5	281.3	281.0	280.4	279.7	279.1	278.5	279.1	279.7	280.4
127.5°	300.3	299.9	299.7	299.4	298.7	298.1	297.4	296.8	297.4	298.1	298.7
130°	317.1	316.8	316.6	316.3	315.7	315.0	314.4	313.8	314.4	315.0	315.7
132.5°	333.2	333.0	332.9	332.6	332.0	331.3	330.7	330.1	330.7	331.3	332.0
135°	349.3	349.0	348.8	348.6	348.1	347.6	347.2	346.7	347.2	347.6	348.1
137.5°	363.8	363.7	363.6	363.3	362.7	362.0	361.4	360.8	361.4	362.0	362.7
140°	377.4	377.2	377.1	376.9	376.4	375.9	375.4	374.9	375.4	375.9	376.4
142.5°	390.5	390.2	390.1	389.9	389.4	388.9	388.5	388.0	388.5	388.9	389.4
145°	402.7	402.6	402.5	402.2	401.7	401.1	400.6	400.0	400.6	401.1	401.7
147.5°	413.7	413.6	413.5	413.3	412.9	412.5	412.1	411.7	412.1	412.5	412.9
150°	423.6	423.4	423.3	423.2	423.0	422.7	422.5	422.3	422.5	422.7	423.0
152.5°	432.3	432.2	432.2	432.2	432.1	432.0	431.9	431.8	431.9	432.0	432.1
155°	440.1	440.0	440.0	440.1	440.2	440.4	440.5	440.7	440.5	440.4	440.2
157.5°	447.6	447.7	447.7	447.7	447.7	447.7	447.7	447.7	447.7	447.7	447.7
160°	453.6	453.7	453.7	453.7	453.8	453.9	454.0	454.1	454.0	453.9	453.8
162.5°	458.9	459.0	459.0	459.1	459.4	459.6	459.9	460.1	459.9	459.6	459.4
165°	463.5	463.6	463.6	463.7	464.0	464.2	464.5	464.7	464.5	464.2	464.0
167.5°	467.2	467.2	467.2	467.4	467.7	468.0	468.3	468.6	468.3	468.0	467.7
170°	470.3	470.3	470.3	470.5	470.8	471.1	471.5	471.8	471.5	471.1	470.8
172.5°	472.2	472.1	472.1	472.3	472.7	473.1	473.5	473.9	473.5	473.1	472.7
175°	474.0	473.9	473.9	474.1	474.5	474.8	475.2	475.6	475.2	474.8	474.5
177.5°	474.7	474.6	474.6	474.8	475.2	475.6	476.0	476.4	476.0	475.6	475.2
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6

TEST NUMBER: P1012338

CATALOG NUMBER: S123RDIP-B1165D365UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7
2.5°	1806.2	1798.3	1795.2	1787.4	1768.6	1756.1	1742.0	1732.6	1734.1	1726.3	1731.0
5°	1749.8	1748.2	1737.3	1721.6	1695.0	1680.9	1655.8	1643.3	1637.0	1638.6	1629.2
7.5°	1702.8	1688.7	1680.9	1655.8	1630.7	1601.0	1580.6	1569.6	1560.2	1550.8	1544.6
10°	1649.5	1637.0	1624.5	1597.8	1563.4	1535.2	1507.0	1496.0	1481.9	1475.6	1470.9
12.5°	1593.1	1585.3	1569.6	1538.3	1499.1	1472.5	1439.6	1433.4	1414.6	1402.0	1398.9
15°	1541.4	1536.7	1508.5	1472.5	1433.4	1406.7	1378.5	1359.7	1328.4	1334.7	1323.7
17.5°	1486.6	1466.2	1449.0	1400.5	1381.7	1340.9	1308.0	1298.6	1276.7	1262.6	1248.5
20°	1425.5	1413.0	1391.1	1359.7	1314.3	1267.3	1242.2	1226.6	1214.0	1192.1	1185.8
22.5°	1367.6	1351.9	1333.1	1292.4	1253.2	1214.0	1179.6	1165.5	1149.8	1134.1	1124.8
25°	1322.1	1298.6	1278.3	1228.1	1189.0	1156.1	1134.1	1110.7	1088.7	1079.3	1076.2
27.5°	1251.6	1237.5	1217.2	1170.2	1134.1	1098.1	1077.8	1062.1	1038.6	1027.6	1018.2
30°	1206.2	1178.0	1154.5	1116.9	1080.9	1041.7	1022.9	1004.1	990.0	975.9	965.0
32.5°	1145.1	1123.2	1104.4	1066.8	1030.8	994.7	974.4	946.2	938.3	927.4	914.8
35°	1085.6	1071.5	1051.1	1010.4	971.2	946.2	924.2	897.6	888.2	880.4	869.4
37.5°	1029.2	1008.8	994.7	955.6	921.1	891.3	874.1	852.2	845.9	836.5	828.7
40°	980.6	960.3	946.2	907.0	871.0	839.6	828.7	806.8	797.4	786.4	781.7
42.5°	925.8	908.6	889.8	861.6	824.0	792.7	770.7	758.2	745.7	741.0	731.6
45°	867.8	852.2	838.1	806.8	767.6	745.7	726.9	709.6	700.2	692.4	686.1
47.5°	817.7	803.6	784.8	750.4	719.0	698.7	679.9	662.6	653.2	643.8	636.0
50°	759.8	751.9	731.6	698.7	668.9	645.4	628.2	612.5	606.2	595.3	582.7
52.5°	708.1	694.0	676.7	650.1	623.5	595.3	571.8	562.4	551.4	545.1	534.2
55°	647.0	637.6	618.8	595.3	567.1	543.6	526.3	513.8	499.7	493.4	479.4
57.5°	595.3	578.0	568.6	538.9	512.2	488.7	476.2	463.7	448.0	438.6	432.4
60°	538.9	523.2	509.1	484.1	465.3	440.2	421.4	410.4	399.5	386.9	380.7
62.5°	484.1	471.5	454.3	433.9	410.4	390.1	376.0	360.3	354.0	341.5	336.8
65°	424.5	415.1	401.0	377.5	358.7	341.5	327.4	314.9	308.6	303.9	300.8
67.5°	371.3	358.7	349.3	329.0	308.6	294.5	286.7	278.8	271.0	266.3	261.6
70°	316.4	307.0	297.6	278.8	264.7	252.2	245.9	239.7	235.0	230.3	225.6
72.5°	260.0	255.3	245.9	233.4	222.4	213.0	208.3	200.5	195.8	188.0	184.8
75°	214.6	206.8	202.1	191.1	181.7	173.9	167.6	158.2	152.0	148.8	147.3
77.5°	169.2	166.0	159.8	150.4	145.7	137.9	128.5	125.3	122.2	122.2	120.6
80°	126.9	122.2	117.5	109.7	105.0	98.7	98.7	98.7	97.1	98.7	97.1
82.5°	86.2	83.0	79.9	75.2	73.6	73.6	75.2	75.2	75.2	75.2	75.2
85°	50.1	50.1	50.1	51.7	50.1	50.1	51.7	53.3	51.7	51.7	50.1
87.5°	23.5	23.5	25.1	25.1	26.6	26.6	26.6	26.6	26.6	26.6	28.2
90°	3.5	3.9	4.4	5.4	6.5	7.5	8.5	8.8	9.1	9.4	9.7
92.5°	6.2	6.0	6.4	7.1	7.8	8.5	9.2	9.8	10.3	10.9	11.4
95°	8.7	7.1	7.5	8.4	9.3	10.1	11.0	11.5	12.1	12.6	13.1
97.5°	30.4	29.3	27.3	23.3	19.3	15.3	11.3	11.9	12.5	13.2	13.8
100°	66.0	66.8	60.7	48.4	36.2	23.9	11.7	12.3	12.9	13.6	14.2
102.5°	87.1	87.6	80.8	67.1	53.4	39.8	26.1	23.5	20.9	18.4	15.8
105°	108.8	109.2	105.7	98.6	91.5	84.5	77.4	63.5	49.6	35.7	21.8
107.5°	131.8	132.2	132.8	134.0	135.1	136.3	137.5	125.4	113.3	101.2	89.1
110°	155.2	155.5	155.9	156.8	157.7	158.5	159.4	156.8	154.2	151.6	149.0

TEST NUMBER: P1012338

CATALOG NUMBER: S123RDIP-B1165D365UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	177.4	177.7	178.1	179.0	179.9	180.7	181.6	182.3	183.0	183.7	184.4
115°	199.5	199.7	200.0	200.7	201.4	202.1	202.8	203.6	204.4	205.2	206.0
117.5°	221.6	221.9	222.1	222.5	222.9	223.3	223.7	224.3	224.9	225.6	226.2
120°	242.4	242.8	242.9	243.1	243.4	243.6	243.8	244.4	245.1	245.7	246.4
122.5°	262.3	262.6	262.8	263.1	263.4	263.7	264.0	264.4	264.8	265.1	265.5
125°	281.0	281.3	281.5	281.8	282.1	282.4	282.7	282.9	283.0	283.2	283.3
127.5°	299.4	299.7	299.9	300.3	300.6	301.0	301.4	301.6	301.9	302.1	302.4
130°	316.3	316.6	316.8	317.1	317.4	317.7	318.0	318.3	318.7	319.0	319.3
132.5°	332.6	332.9	333.0	333.2	333.5	333.7	333.9	334.2	334.6	334.9	335.2
135°	348.6	348.8	349.0	349.3	349.6	349.9	350.2	350.4	350.7	350.9	351.2
137.5°	363.3	363.6	363.7	363.8	364.0	364.1	364.3	364.7	365.1	365.5	365.9
140°	376.9	377.1	377.2	377.4	377.7	377.9	378.1	378.4	378.7	379.0	379.3
142.5°	389.9	390.1	390.2	390.5	390.7	391.0	391.2	391.4	391.6	391.9	392.1
145°	402.2	402.5	402.6	402.7	402.9	403.0	403.2	403.4	403.5	403.7	403.8
147.5°	413.3	413.5	413.6	413.7	413.9	414.0	414.2	414.4	414.5	414.7	414.8
150°	423.2	423.3	423.4	423.6	423.7	423.9	424.1	424.3	424.4	424.6	424.7
152.5°	432.2	432.2	432.2	432.3	432.4	432.4	432.5	432.8	433.1	433.4	433.7
155°	440.1	440.0	440.0	440.1	440.2	440.2	440.3	440.7	441.1	441.5	441.9
157.5°	447.7	447.7	447.7	447.6	447.5	447.5	447.4	447.9	448.3	448.8	449.3
160°	453.7	453.7	453.7	453.6	453.5	453.5	453.4	453.9	454.3	454.8	455.3
162.5°	459.1	459.0	459.0	458.9	458.8	458.8	458.7	459.3	459.8	460.4	460.9
165°	463.7	463.6	463.6	463.5	463.4	463.4	463.3	463.9	464.5	465.2	465.8
167.5°	467.4	467.2	467.2	467.2	467.2	467.2	467.2	467.8	468.4	469.1	469.7
170°	470.5	470.3	470.3	470.3	470.3	470.3	470.3	470.9	471.6	472.2	472.9
172.5°	472.3	472.1	472.1	472.2	472.3	472.4	472.5	473.1	473.7	474.4	475.0
175°	474.1	473.9	473.9	474.0	474.1	474.1	474.2	474.8	475.3	475.9	476.4
177.5°	474.8	474.6	474.6	474.7	474.8	474.8	474.9	475.5	476.2	476.8	477.5
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6

TEST NUMBER: P1012338

CATALOG NUMBER: S123RDIP-B1165D365UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7
2.5°	1729.4	1731.0	1726.3	1716.9	1715.3	1718.5	1727.9	1724.7	1716.9	1731.0	1718.5
5°	1633.9	1626.0	1622.9	1626.0	1616.6	1611.9	1621.3	1616.6	1621.3	1622.9	1627.6
7.5°	1541.4	1543.0	1533.6	1535.2	1522.6	1525.8	1525.8	1525.8	1530.5	1533.6	1539.9
10°	1461.5	1464.7	1453.7	1455.3	1445.9	1439.6	1444.3	1453.7	1453.7	1453.7	1456.8
12.5°	1397.3	1383.2	1375.4	1373.8	1362.9	1359.7	1369.1	1372.3	1380.1	1380.1	1384.8
15°	1317.4	1314.3	1308.0	1308.0	1281.4	1287.7	1290.8	1301.8	1317.4	1304.9	1308.0
17.5°	1245.4	1237.5	1229.7	1226.6	1223.4	1214.0	1226.6	1225.0	1234.4	1236.0	1240.7
20°	1181.1	1174.9	1159.2	1160.8	1163.9	1149.8	1157.6	1157.6	1167.0	1176.4	1187.4
22.5°	1118.5	1112.2	1104.4	1107.5	1098.1	1095.0	1095.0	1102.8	1113.8	1121.6	1120.1
25°	1069.9	1059.0	1054.3	1049.6	1044.9	1048.0	1043.3	1051.1	1059.0	1063.7	1059.0
27.5°	1015.1	1010.4	1001.0	996.3	988.5	991.6	994.7	1001.0	1005.7	1005.7	1010.4
30°	961.8	955.6	952.4	947.7	947.7	941.5	943.0	949.3	954.0	958.7	965.0
32.5°	910.1	905.4	900.7	900.7	897.6	896.0	894.5	903.9	903.9	913.3	913.3
35°	867.8	860.0	860.0	852.2	855.3	853.7	850.6	856.9	858.4	864.7	863.1
37.5°	820.8	820.8	817.7	809.9	803.6	805.2	813.0	813.0	817.7	816.1	820.8
40°	773.9	770.7	770.7	766.0	764.5	762.9	764.5	766.0	773.9	772.3	773.9
42.5°	726.9	728.4	720.6	720.6	720.6	715.9	717.5	719.0	722.2	725.3	730.0
45°	681.4	678.3	676.7	673.6	670.5	672.0	670.5	676.7	675.2	678.3	683.0
47.5°	632.9	628.2	626.6	620.3	620.3	623.5	621.9	626.6	628.2	632.9	629.7
50°	585.9	579.6	574.9	576.5	567.1	570.2	570.2	574.9	579.6	581.2	584.3
52.5°	531.0	529.5	527.9	520.1	518.5	516.9	518.5	520.1	526.3	531.0	532.6
55°	477.8	476.2	466.8	463.7	459.0	459.0	462.1	463.7	474.7	476.2	482.5
57.5°	429.2	424.5	413.6	412.0	412.0	412.0	407.3	413.6	416.7	424.5	424.5
60°	376.0	376.0	366.6	366.6	368.1	366.6	366.6	368.1	368.1	374.4	377.5
62.5°	333.7	332.1	332.1	329.0	327.4	329.0	327.4	327.4	329.0	333.7	338.4
65°	296.1	294.5	292.9	291.4	288.2	288.2	289.8	292.9	292.9	296.1	297.6
67.5°	260.0	260.0	256.9	256.9	255.3	253.8	255.3	253.8	260.0	260.0	261.6
70°	224.0	222.4	217.7	216.2	211.5	213.0	213.0	217.7	219.3	222.4	225.6
72.5°	180.1	180.1	177.0	173.9	175.4	172.3	172.3	173.9	173.9	178.6	180.1
75°	148.8	145.7	144.1	145.7	144.1	147.3	144.1	144.1	147.3	147.3	147.3
77.5°	122.2	122.2	120.6	120.6	122.2	120.6	122.2	122.2	122.2	120.6	122.2
80°	100.3	98.7	98.7	98.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1
82.5°	75.2	75.2	73.6	75.2	75.2	73.6	75.2	73.6	73.6	75.2	75.2
85°	50.1	53.3	50.1	50.1	51.7	51.7	53.3	51.7	53.3	50.1	51.7
87.5°	26.6	28.2	28.2	26.6	26.6	28.2	28.2	28.2	29.8	26.6	28.2
90°	9.9	10.0	10.1	10.3	10.4	10.6	10.4	10.3	10.1	10.0	9.9
92.5°	11.7	11.7	11.8	11.9	11.9	12.0	11.9	11.9	11.8	11.7	11.7
95°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
97.5°	14.1	14.1	14.2	14.3	14.4	14.5	14.4	14.3	14.2	14.1	14.1
100°	14.5	14.5	14.6	14.7	14.7	14.8	14.7	14.7	14.6	14.5	14.5
102.5°	14.5	14.6	14.7	14.9	15.0	15.2	15.0	14.9	14.7	14.6	14.5
105°	14.8	14.9	15.0	15.2	15.3	15.5	15.3	15.2	15.0	14.9	14.8
107.5°	83.0	77.9	67.6	57.3	47.1	36.8	47.1	57.3	67.6	77.9	83.0
110°	147.7	142.1	130.9	119.6	108.4	97.2	108.4	119.6	130.9	142.1	147.7

TEST NUMBER: P1012338

CATALOG NUMBER: S123RDIP-B1165D365UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	184.8	184.7	184.6	184.4	184.3	184.1	184.3	184.4	184.6	184.7	184.8
115°	206.4	206.6	206.9	207.2	207.5	207.8	207.5	207.2	206.9	206.6	206.4
117.5°	226.5	226.5	226.6	226.7	226.8	226.9	226.8	226.7	226.6	226.5	226.5
120°	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7
122.5°	265.7	265.7	265.8	265.9	266.0	266.1	266.0	265.9	265.8	265.7	265.7
125°	283.4	283.5	283.6	283.8	283.9	284.1	283.9	283.8	283.6	283.5	283.4
127.5°	302.5	302.4	302.3	302.1	302.0	301.8	302.0	302.1	302.3	302.4	302.5
130°	319.5	319.4	319.2	319.1	318.9	318.7	318.9	319.1	319.2	319.4	319.5
132.5°	335.4	335.3	335.0	334.8	334.5	334.3	334.5	334.8	335.0	335.3	335.4
135°	351.3	351.2	350.9	350.7	350.4	350.2	350.4	350.7	350.9	351.2	351.3
137.5°	366.1	366.0	365.9	365.7	365.6	365.4	365.6	365.7	365.9	366.0	366.1
140°	379.5	379.4	379.3	379.1	379.0	378.8	379.0	379.1	379.3	379.4	379.5
142.5°	392.2	392.1	391.9	391.6	391.4	391.2	391.4	391.6	391.9	392.1	392.2
145°	403.9	403.9	403.9	403.9	403.9	403.9	403.9	403.9	403.9	403.9	403.9
147.5°	414.9	414.7	414.3	413.9	413.5	413.1	413.5	413.9	414.3	414.7	414.9
150°	424.8	424.7	424.4	424.2	423.9	423.7	423.9	424.2	424.4	424.7	424.8
152.5°	433.9	433.7	433.3	433.0	432.6	432.2	432.6	433.0	433.3	433.7	433.9
155°	442.1	441.9	441.4	440.9	440.5	440.0	440.5	440.9	441.4	441.9	442.1
157.5°	449.5	449.2	448.6	447.9	447.3	446.7	447.3	447.9	448.6	449.2	449.5
160°	455.5	455.2	454.7	454.1	453.6	453.0	453.6	454.1	454.7	455.2	455.5
162.5°	461.2	461.0	460.5	460.0	459.5	459.0	459.5	460.0	460.5	461.0	461.2
165°	466.1	465.8	465.3	464.7	464.2	463.6	464.2	464.7	465.3	465.8	466.1
167.5°	470.0	469.7	469.1	468.4	467.8	467.2	467.8	468.4	469.1	469.7	470.0
170°	473.2	472.9	472.2	471.6	470.9	470.3	470.9	471.6	472.2	472.9	473.2
172.5°	475.3	474.9	474.2	473.5	472.8	472.1	472.8	473.5	474.2	474.9	475.3
175°	476.7	476.4	475.8	475.1	474.5	473.9	474.5	475.1	475.8	476.4	476.7
177.5°	477.8	477.4	476.6	475.8	475.0	474.2	475.0	475.8	476.6	477.4	477.8
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6

TEST NUMBER: P1012338

CATALOG NUMBER: S123RDIP-B1165D365UB40-4FO-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7
2.5°	1731.0	1737.3	1731.0	1718.5	1731.0	1738.8	1746.7	1759.2	1765.5	1765.5	1774.9
5°	1632.3	1644.8	1640.1	1637.0	1649.5	1657.4	1669.9	1685.6	1702.8	1713.8	1726.3
7.5°	1544.6	1552.4	1560.2	1560.2	1572.8	1590.0	1608.8	1627.6	1649.5	1665.2	1674.6
10°	1467.8	1474.1	1478.8	1485.0	1503.8	1522.6	1547.7	1571.2	1590.0	1607.2	1622.9
12.5°	1394.2	1403.6	1414.6	1419.3	1433.4	1456.8	1480.3	1508.5	1538.3	1555.5	1571.2
15°	1323.7	1328.4	1340.9	1355.0	1367.6	1392.6	1422.4	1452.2	1477.2	1503.8	1517.9
17.5°	1251.6	1253.2	1286.1	1278.3	1319.0	1342.5	1358.2	1386.4	1427.1	1449.0	1470.9
20°	1181.1	1196.8	1210.9	1218.7	1240.7	1267.3	1312.7	1334.7	1367.6	1387.9	1406.7
22.5°	1126.3	1149.8	1149.8	1168.6	1179.6	1204.6	1237.5	1279.8	1315.9	1330.0	1356.6
25°	1077.8	1088.7	1107.5	1113.8	1134.1	1156.1	1178.0	1223.4	1262.6	1281.4	1300.2
27.5°	1015.1	1029.2	1054.3	1054.3	1080.9	1104.4	1131.0	1160.8	1199.9	1226.6	1246.9
30°	966.5	980.6	991.6	1008.8	1019.8	1041.7	1088.7	1110.7	1145.1	1168.6	1193.7
32.5°	921.1	932.1	941.5	960.3	972.8	997.9	1022.9	1062.1	1091.9	1113.8	1140.4
35°	871.0	881.9	894.5	908.6	927.4	950.9	974.4	1007.3	1037.0	1057.4	1079.3
37.5°	824.0	831.8	850.6	860.0	875.7	897.6	927.4	961.8	988.5	1004.1	1026.1
40°	778.6	784.8	798.9	816.1	827.1	844.3	875.7	905.4	938.3	957.1	974.4
42.5°	730.0	737.8	750.4	767.6	784.8	803.6	820.8	855.3	885.1	900.7	919.5
45°	687.7	692.4	701.8	719.0	736.3	750.4	777.0	808.3	836.5	849.0	869.4
47.5°	637.6	642.3	656.4	664.2	683.0	701.8	728.4	759.8	784.8	797.4	816.1
50°	585.9	590.6	600.0	617.2	629.7	650.1	673.6	700.2	731.6	748.8	759.8
52.5°	535.7	545.1	553.0	567.1	582.7	603.1	625.0	650.1	676.7	694.0	706.5
55°	485.6	493.4	502.8	510.7	529.5	548.3	573.3	596.8	620.3	636.0	650.1
57.5°	429.2	440.2	449.6	465.3	479.4	495.0	523.2	542.0	570.2	581.2	593.7
60°	380.7	391.6	399.5	412.0	424.5	444.9	463.7	487.2	510.7	524.8	540.4
62.5°	339.9	344.6	349.3	361.9	374.4	393.2	412.0	435.5	460.6	468.4	480.9
65°	299.2	303.9	311.7	322.7	332.1	343.1	363.4	382.2	405.7	418.3	423.0
67.5°	264.7	269.4	271.0	278.8	286.7	299.2	310.2	329.0	350.9	358.7	368.1
70°	225.6	233.4	235.0	241.2	244.4	252.2	264.7	278.8	296.1	310.2	318.0
72.5°	180.1	191.1	194.2	203.6	208.3	216.2	225.6	236.5	247.5	253.8	260.0
75°	147.3	150.4	152.0	159.8	167.6	178.6	183.3	189.5	198.9	206.8	213.0
77.5°	122.2	123.8	125.3	125.3	126.9	133.2	142.6	150.4	156.7	159.8	164.5
80°	98.7	97.1	97.1	98.7	98.7	98.7	101.8	112.8	115.9	123.8	122.2
82.5°	76.8	73.6	75.2	73.6	73.6	73.6	73.6	75.2	75.2	79.9	83.0
85°	50.1	51.7	50.1	50.1	48.6	50.1	48.6	48.6	47.0	47.0	45.4
87.5°	26.6	28.2	26.6	26.6	25.1	26.6	25.1	25.1	23.5	23.5	20.4
90°	9.7	9.4	9.1	8.8	8.5	7.5	6.5	5.4	4.4	3.9	3.5
92.5°	11.4	10.9	10.3	9.8	9.2	8.5	7.8	7.1	6.4	6.0	6.2
95°	13.1	12.6	12.1	11.5	11.0	10.1	9.3	8.4	7.5	7.1	8.7
97.5°	13.8	13.2	12.5	11.9	11.3	15.3	19.3	23.3	27.3	29.3	30.4
100°	14.2	13.6	12.9	12.3	11.7	23.9	36.2	48.4	60.7	66.8	66.0
102.5°	15.8	18.4	20.9	23.5	26.1	39.8	53.4	67.1	80.8	87.6	87.1
105°	21.8	35.7	49.6	63.5	77.4	84.5	91.5	98.6	105.7	109.2	108.8
107.5°	89.1	101.2	113.3	125.4	137.5	136.3	135.1	134.0	132.8	132.2	131.8
110°	149.0	151.6	154.2	156.8	159.4	158.5	157.7	156.8	155.9	155.5	155.2

TEST NUMBER: P1012338

CATALOG NUMBER: S123RDIP-B1165D365UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	184.4	183.7	183.0	182.3	181.6	180.7	179.9	179.0	178.1	177.7	177.4
115°	206.0	205.2	204.4	203.6	202.8	202.1	201.4	200.7	200.0	199.7	199.5
117.5°	226.2	225.6	224.9	224.3	223.7	223.3	222.9	222.5	222.1	221.9	221.6
120°	246.4	245.7	245.1	244.4	243.8	243.6	243.4	243.1	242.9	242.8	242.4
122.5°	265.5	265.1	264.8	264.4	264.0	263.7	263.4	263.1	262.8	262.6	262.3
125°	283.3	283.2	283.0	282.9	282.7	282.4	282.1	281.8	281.5	281.3	281.0
127.5°	302.4	302.1	301.9	301.6	301.4	301.0	300.6	300.3	299.9	299.7	299.4
130°	319.3	319.0	318.7	318.3	318.0	317.7	317.4	317.1	316.8	316.6	316.3
132.5°	335.2	334.9	334.6	334.2	333.9	333.7	333.5	333.2	333.0	332.9	332.6
135°	351.2	350.9	350.7	350.4	350.2	349.9	349.6	349.3	349.0	348.8	348.6
137.5°	365.9	365.5	365.1	364.7	364.3	364.1	364.0	363.8	363.7	363.6	363.3
140°	379.3	379.0	378.7	378.4	378.1	377.9	377.7	377.4	377.2	377.1	376.9
142.5°	392.1	391.9	391.6	391.4	391.2	391.0	390.7	390.5	390.2	390.1	389.9
145°	403.8	403.7	403.5	403.4	403.2	403.0	402.9	402.7	402.6	402.5	402.2
147.5°	414.8	414.7	414.5	414.4	414.2	414.0	413.9	413.7	413.6	413.5	413.3
150°	424.7	424.6	424.4	424.3	424.1	423.9	423.7	423.6	423.4	423.3	423.2
152.5°	433.7	433.4	433.1	432.8	432.5	432.4	432.4	432.3	432.2	432.2	432.2
155°	441.9	441.5	441.1	440.7	440.3	440.2	440.2	440.1	440.0	440.0	440.1
157.5°	449.3	448.8	448.3	447.9	447.4	447.5	447.5	447.6	447.7	447.7	447.7
160°	455.3	454.8	454.3	453.9	453.4	453.5	453.5	453.6	453.7	453.7	453.7
162.5°	460.9	460.4	459.8	459.3	458.7	458.8	458.8	458.9	459.0	459.0	459.1
165°	465.8	465.2	464.5	463.9	463.3	463.4	463.4	463.5	463.6	463.6	463.7
167.5°	469.7	469.1	468.4	467.8	467.2	467.2	467.2	467.2	467.2	467.2	467.4
170°	472.9	472.2	471.6	470.9	470.3	470.3	470.3	470.3	470.3	470.3	470.5
172.5°	475.0	474.4	473.7	473.1	472.5	472.4	472.3	472.2	472.1	472.1	472.3
175°	476.4	475.9	475.3	474.8	474.2	474.1	474.1	474.0	473.9	473.9	474.1
177.5°	477.5	476.8	476.2	475.5	474.9	474.8	474.8	474.7	474.6	474.6	474.8
180°	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6	475.6

TEST NUMBER: P1012338

CATALOG NUMBER: S123RDIP-B1165D365UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1829.7	1829.7	1829.7	1829.7
2.5°	1782.7	1793.6	1815.6	1834.4
5°	1745.1	1762.3	1795.2	1828.1
7.5°	1699.7	1726.3	1768.6	1814.0
10°	1655.8	1690.3	1742.0	1795.2
12.5°	1611.9	1648.0	1702.8	1771.7
15°	1560.2	1597.8	1663.6	1746.7
17.5°	1514.8	1564.9	1624.5	1707.5
20°	1466.2	1503.8	1580.6	1668.3
22.5°	1405.2	1467.8	1539.9	1632.3
25°	1356.6	1411.4	1483.5	1588.4
27.5°	1297.1	1361.3	1449.0	1541.4
30°	1248.5	1301.8	1383.2	1494.4
32.5°	1192.1	1254.8	1339.4	1449.0
35°	1142.0	1195.2	1275.1	1386.4
37.5°	1082.5	1140.4	1229.7	1328.4
40°	1030.8	1087.2	1171.7	1264.2
42.5°	968.1	1027.6	1112.2	1190.5
45°	918.0	972.8	1040.2	1112.2
47.5°	856.9	914.8	980.6	1030.8
50°	802.1	855.3	907.0	949.3
52.5°	742.5	791.1	838.1	869.4
55°	687.7	725.3	762.9	784.8
57.5°	623.5	659.5	690.8	703.4
60°	567.1	596.8	617.2	631.3
62.5°	507.5	529.5	545.1	553.0
65°	449.6	465.3	473.1	480.9
67.5°	390.1	404.2	408.9	418.3
70°	327.4	343.1	346.2	350.9
72.5°	280.4	280.4	286.7	292.9
75°	224.0	227.1	230.3	230.3
77.5°	175.4	175.4	178.6	180.1
80°	128.5	130.0	130.0	128.5
82.5°	87.7	90.9	87.7	86.2
85°	48.6	54.8	51.7	51.7
87.5°	20.4	20.4	23.5	20.4
90°	2.7	2.0	1.2	0.4
92.5°	6.7	7.2	7.6	8.1
95°	11.9	15.2	18.4	21.6
97.5°	32.6	34.8	37.0	39.2
100°	64.4	62.9	61.3	59.7
102.5°	86.1	85.0	84.0	83.0
105°	107.9	107.0	106.2	105.3
107.5°	131.1	130.4	129.7	129.0
110°	154.6	153.9	153.3	152.7

TEST NUMBER: P1012338

CATALOG NUMBER: S123RDIP-B1165D365UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	176.9	176.4	175.8	175.3
115°	199.0	198.5	198.0	197.5
117.5°	221.1	220.5	220.0	219.4
120°	241.7	241.0	240.3	239.6
122.5°	261.8	261.2	260.7	260.1
125°	280.4	279.7	279.1	278.5
127.5°	298.7	298.1	297.4	296.8
130°	315.7	315.0	314.4	313.8
132.5°	332.0	331.3	330.7	330.1
135°	348.1	347.6	347.2	346.7
137.5°	362.7	362.0	361.4	360.8
140°	376.4	375.9	375.4	374.9
142.5°	389.4	388.9	388.5	388.0
145°	401.7	401.1	400.6	400.0
147.5°	412.9	412.5	412.1	411.7
150°	423.0	422.7	422.5	422.3
152.5°	432.1	432.0	431.9	431.8
155°	440.2	440.4	440.5	440.7
157.5°	447.7	447.7	447.7	447.7
160°	453.8	453.9	454.0	454.1
162.5°	459.4	459.6	459.9	460.1
165°	464.0	464.2	464.5	464.7
167.5°	467.7	468.0	468.3	468.6
170°	470.8	471.1	471.5	471.8
172.5°	472.7	473.1	473.5	473.9
175°	474.5	474.8	475.2	475.6
177.5°	475.2	475.6	476.0	476.4
180°	475.6	475.6	475.6	475.6

(END OF REPORT)