

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: P1031510

Luminaire Tested: S123DIW-B1165D460UB40-4F0-XX-W2A-A

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1031510
REPORT IS A COMBINATION OF REPORTS P991095 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIW-B1165D460UB40-4F0-XX-W2A-A
Description: Define 3 Direct/Indirect Wall Mount with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

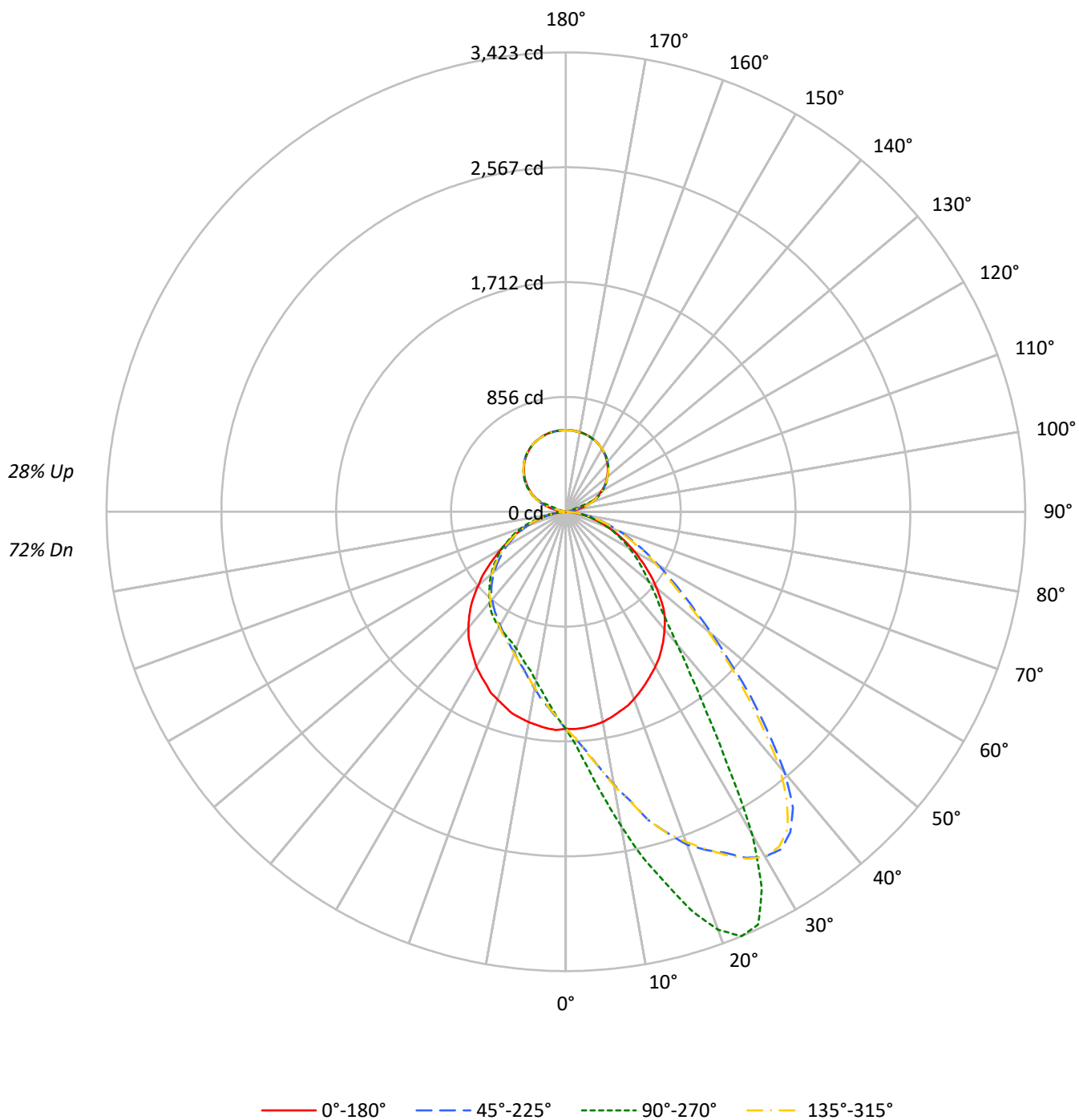
Lumens per Lamp: N/A
Luminaire Lumens: 6734.0 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 74.5
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

TEST NUMBER: P1031510

CATALOG NUMBER: S123DIW-B1165D460UB40-4F0-XX-W2A-A

Luminous Intensity Polar Plot



TEST NUMBER: P1031510

CATALOG NUMBER: S123DIW-B1165D460UB40-4F0-XX-W2A-A

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	112	112	112	112	107	107	107	107	96	96	96	86	86	86	77	77	77
1	103	99	95	92	98	94	91	88	85	82	80	76	74	73	69	67	66
2	94	87	81	75	89	83	77	72	75	70	67	68	64	61	61	58	56
3	86	77	69	63	82	73	66	61	66	61	57	60	56	52	54	51	48
4	79	68	60	54	75	65	58	52	59	53	49	54	49	45	49	45	42
5	73	61	53	47	69	58	51	45	53	47	42	48	43	39	44	40	36
6	67	55	47	41	64	53	45	39	48	42	37	44	39	35	40	36	32
7	62	50	42	36	59	48	40	35	44	37	33	40	35	31	37	32	29
8	58	45	37	32	55	44	36	31	40	34	29	37	31	28	34	29	26
9	54	42	34	29	51	40	33	28	37	31	26	34	29	25	31	27	23
10	51	38	31	26	48	37	30	25	34	28	24	31	26	23	29	24	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17400	17400	17400	17400
5°	17412	20048	17463	14963
10°	17301	24262	17319	13067
15°	17062	28772	17201	11762
20°	16857	33127	16892	10823
25°	16551	33962	16587	10333
30°	16332	28058	16332	10011
35°	16061	18765	15961	9728
40°	15738	13546	15543	9295
45°	15331	10730	14888	8754
50°	14341	9113	13832	8225
55°	13254	8007	12716	7633
60°	12154	6972	11506	7012
65°	10943	5970	10414	6184
70°	9686	4955	9041	5213
75°	8281	3737	7745	4024
80°	6547	2496	6037	2644
85°	4515	1146	3612	1042

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 28063 cd/sqm

TEST NUMBER: P1031510

CATALOG NUMBER: S123DIW-B1165D460UB40-4F0-XX-W2A-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.0	2.4
10°-20°	510.6	7.6
20°-30°	859.2	12.8
30°-40°	971.0	14.4
40°-50°	869.7	12.9
50°-60°	702.0	10.4
60°-70°	489.2	7.3
70°-80°	256.8	3.8
80°-90°	62.8	0.9
90°-100°	21.4	0.3
100°-110°	103.7	1.5
110°-120°	254.0	3.8
120°-130°	322.5	4.8
130°-140°	344.5	5.1
140°-150°	322.2	4.8
150°-160°	259.9	3.9
160°-170°	167.7	2.5
170°-180°	57.8	0.9
0°-30°	1528.8	22.7
0°-40°	2499.8	37.1
0°-60°	4071.5	60.5
0°-90°	4880.2	72.5
90°-120°	379.2	5.6
90°-150°	1368.4	20.3
90°-180°	1854.0	27.5
0°-180°	6734.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1616	1616	1616	1616	1616	
5°	1615	1920	1620	1433	1615	153
15°	1541	2859	1554	1169	1541	436
25°	1410	3393	1413	1032	1410	650
35°	1244	1828	1236	948	1244	778
45°	1032	987	1002	805	1032	790
55°	732	670	702	639	732	655
65°	453	436	431	451	453	451
75°	218	224	204	241	218	233
85°	47	52	38	47	47	54
90°	0	14	0	14	0	5
95°	28	17	28	17	28	33
105°	135	20	135	20	135	143
115°	252	266	252	266	252	249
125°	356	363	356	363	356	318
135°	443	448	443	448	443	341
145°	511	516	511	516	511	320
155°	563	562	563	562	563	260
165°	594	593	594	593	594	168
175°	608	606	608	606	608	58
180°	608	608	608	608	608	

TEST NUMBER: P1031510

CATALOG NUMBER: S123DIW-B1165D460UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5
2.5°	1621.2	1633.8	1640.0	1649.4	1658.8	1672.9	1677.6	1685.5	1682.3	1688.6	1691.7
5°	1615.0	1636.9	1655.7	1679.2	1701.1	1716.8	1732.5	1757.5	1776.3	1779.5	1793.6
7.5°	1604.0	1635.3	1668.2	1701.1	1743.4	1768.5	1796.7	1831.1	1859.3	1904.8	1922.0
10°	1589.9	1633.8	1680.8	1726.2	1784.2	1823.3	1857.8	1915.7	1973.7	2020.7	2064.5
12.5°	1568.0	1622.8	1683.9	1751.3	1826.4	1871.9	1918.9	1995.6	2083.3	2155.4	2202.4
15°	1541.4	1610.3	1688.6	1760.7	1843.7	1928.3	1978.4	2064.5	2189.9	2257.2	2377.8
17.5°	1519.4	1589.9	1668.2	1781.0	1893.8	1978.4	2014.4	2172.6	2258.8	2371.6	2507.8
20°	1485.0	1574.3	1674.5	1787.3	1933.0	1984.7	2058.3	2218.1	2324.6	2471.8	2639.4
22.5°	1448.9	1544.5	1665.1	1782.6	1945.5	2000.3	2100.6	2227.5	2396.6	2542.3	2727.1
25°	1409.8	1513.2	1635.3	1774.8	1934.5	2014.4	2108.4	2265.0	2448.3	2631.6	2802.3
27.5°	1370.6	1483.4	1610.3	1749.7	1904.8	1998.8	2092.7	2255.6	2490.6	2689.5	2907.3
30°	1333.0	1445.8	1572.7	1715.2	1878.1	1969.0	2058.3	2261.9	2523.5	2747.5	2966.8
32.5°	1292.3	1408.2	1541.4	1660.4	1824.9	1922.0	2022.3	2261.9	2543.9	2782.0	2982.5
35°	1243.7	1362.8	1477.1	1596.2	1759.1	1867.2	1980.0	2246.2	2562.7	2792.9	2916.7
37.5°	1196.7	1301.7	1400.4	1516.3	1687.0	1803.0	1933.0	2227.5	2553.3	2745.9	2780.4
40°	1143.5	1248.4	1328.3	1436.4	1616.5	1751.3	1882.8	2202.4	2512.5	2634.7	2534.5
42.5°	1091.8	1174.8	1243.7	1348.7	1544.5	1676.1	1818.6	2157.0	2432.7	2457.7	2232.2
45°	1032.3	1091.8	1152.9	1271.9	1466.2	1600.9	1759.1	2091.2	2304.2	2232.2	1947.1
47.5°	955.5	1008.8	1076.1	1185.8	1383.2	1522.6	1672.9	2006.6	2117.8	1967.4	1655.7
50°	881.9	927.3	990.0	1096.5	1295.4	1431.7	1591.5	1873.4	1928.3	1691.7	1427.0
52.5°	808.3	842.7	903.8	1010.3	1209.3	1340.9	1486.5	1737.2	1705.8	1452.1	1217.1
55°	731.5	761.3	819.2	924.2	1109.0	1234.3	1373.8	1569.6	1488.1	1246.9	1058.9
57.5°	656.3	687.7	747.2	834.9	1008.8	1131.0	1242.2	1395.7	1273.5	1080.8	914.8
60°	589.0	615.6	661.0	747.2	905.4	1004.1	1105.9	1210.8	1109.0	922.6	795.7
62.5°	518.5	543.5	585.8	664.2	800.4	888.2	969.6	1055.8	943.0	806.7	693.9
65°	452.7	473.1	512.2	584.3	695.5	767.5	833.3	892.9	802.0	676.7	592.1
67.5°	393.2	410.4	443.3	507.5	601.5	653.2	706.5	756.6	679.8	579.6	507.5
70°	328.9	343.0	372.8	419.8	495.0	548.2	587.4	625.0	556.1	476.2	427.6
72.5°	272.6	286.7	305.5	354.0	405.7	438.6	480.9	501.3	462.1	396.3	347.7
75°	217.7	228.7	245.9	277.3	325.8	347.7	374.4	390.0	354.0	310.2	280.4
77.5°	170.7	175.4	188.0	209.9	242.8	267.9	288.2	297.6	272.6	244.4	219.3
80°	120.6	126.9	136.3	155.1	180.1	188.0	200.5	211.5	195.8	170.7	155.1
82.5°	79.9	87.7	92.4	100.3	115.9	125.3	128.4	137.8	123.7	114.3	108.1
85°	47.0	50.1	51.7	56.4	64.2	68.9	73.6	75.2	72.1	70.5	64.2
87.5°	23.5	23.5	23.5	26.6	28.2	31.3	32.9	32.9	32.9	31.3	29.8
90°	0.5	1.5	2.5	3.5	4.5	5.0	5.6	6.9	8.2	9.5	10.8
92.5°	10.4	9.8	9.2	8.6	8.0	7.7	8.1	9.0	9.9	10.8	11.7
95°	27.6	23.5	19.3	15.2	11.1	9.0	9.6	10.7	11.8	12.9	14.0
97.5°	50.1	47.3	44.5	41.7	38.9	37.5	34.9	29.8	24.7	19.6	14.5
100°	76.3	78.3	80.3	82.4	84.4	85.4	77.6	61.9	46.2	30.6	14.9
102.5°	106.2	107.5	108.8	110.1	111.4	112.0	103.3	85.8	68.3	50.9	33.4
105°	134.6	135.7	136.8	137.9	139.0	139.6	135.1	126.0	117.0	107.9	98.9
107.5°	164.9	165.8	166.7	167.6	168.5	169.0	169.7	171.2	172.7	174.2	175.7
110°	195.2	196.0	196.8	197.6	198.4	198.8	199.3	200.4	201.5	202.6	203.7



TEST NUMBER: P1031510

CATALOG NUMBER: S123DIW-B1165D460UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	224.1	224.8	225.5	226.2	226.9	227.2	227.8	228.9	230.0	231.1	232.2
115°	252.5	253.1	253.7	254.3	254.9	255.2	255.7	256.6	257.5	258.4	259.3
117.5°	280.5	281.2	281.9	282.6	283.3	283.7	284.0	284.5	285.0	285.5	286.0
120°	306.3	307.2	308.1	309.0	309.9	310.4	310.5	310.8	311.1	311.4	311.7
122.5°	332.5	333.2	333.9	334.6	335.3	335.7	335.9	336.3	336.7	337.1	337.5
125°	356.0	356.8	357.6	358.4	359.2	359.6	359.8	360.2	360.6	361.0	361.4
127.5°	379.5	380.3	381.1	381.9	382.7	383.1	383.4	383.9	384.4	384.9	385.4
130°	401.2	402.0	402.8	403.6	404.4	404.8	405.0	405.4	405.8	406.2	406.6
132.5°	422.0	422.8	423.6	424.4	425.2	425.6	425.7	426.0	426.3	426.6	426.9
135°	443.2	443.8	444.4	445.0	445.6	445.9	446.1	446.5	446.9	447.3	447.7
137.5°	461.3	462.1	462.9	463.7	464.5	464.9	465.0	465.2	465.4	465.6	465.8
140°	479.3	479.9	480.5	481.1	481.7	482.0	482.2	482.5	482.8	483.1	483.4
142.5°	496.0	496.6	497.2	497.9	498.5	498.8	498.9	499.2	499.5	499.8	500.1
145°	511.4	512.1	512.8	513.5	514.2	514.6	514.7	514.9	515.1	515.3	515.5
147.5°	526.3	526.8	527.3	527.8	528.3	528.6	528.7	528.9	529.1	529.3	529.5
150°	539.9	540.2	540.5	540.8	541.1	541.2	541.3	541.5	541.7	541.9	542.1
152.5°	552.1	552.2	552.3	552.4	552.5	552.5	552.6	552.7	552.8	552.9	553.0
155°	563.4	563.2	563.0	562.8	562.6	562.5	562.5	562.6	562.7	562.8	562.9
157.5°	572.4	572.4	572.4	572.4	572.4	572.4	572.3	572.2	572.1	572.0	571.9
160°	580.5	580.4	580.3	580.2	580.1	580.1	580.0	579.9	579.8	579.7	579.6
162.5°	588.2	587.9	587.6	587.3	587.0	586.8	586.8	586.7	586.6	586.5	586.4
165°	594.1	593.8	593.5	593.2	592.9	592.7	592.7	592.6	592.5	592.4	592.3
167.5°	599.0	598.6	598.2	597.8	597.4	597.2	597.2	597.2	597.2	597.2	597.2
170°	603.1	602.7	602.3	601.9	601.5	601.3	601.3	601.3	601.3	601.3	601.3
172.5°	605.8	605.3	604.8	604.3	603.8	603.6	603.6	603.7	603.8	603.9	604.0
175°	608.1	607.6	607.1	606.6	606.1	605.8	605.9	606.0	606.1	606.2	606.3
177.5°	609.0	608.5	608.0	607.5	607.0	606.7	606.8	606.9	607.0	607.1	607.2
180°	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1

TEST NUMBER: P1031510

CATALOG NUMBER: S123DIW-B1165D460UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5
2.5°	1702.7	1705.8	1716.8	1724.6	1740.3	1738.7	1738.7	1737.2	1732.5	1740.3	1745.0
5°	1821.7	1848.4	1851.5	1886.0	1887.5	1901.6	1911.0	1903.2	1922.0	1920.4	1906.3
7.5°	1969.0	2005.0	2022.3	2055.1	2092.7	2083.3	2119.4	2125.6	2122.5	2138.2	2149.1
10°	2130.3	2193.0	2236.9	2297.9	2313.6	2323.0	2346.5	2366.9	2407.6	2376.3	2396.6
12.5°	2315.2	2360.6	2418.6	2515.7	2564.2	2595.6	2606.5	2620.6	2648.8	2631.6	2633.2
15°	2470.2	2531.3	2630.0	2750.6	2764.7	2803.9	2794.5	2879.1	2919.8	2858.7	2893.2
17.5°	2631.6	2713.0	2830.5	2935.5	2995.0	3021.6	3046.7	3128.1	3125.0	3115.6	3123.4
20°	2735.0	2868.1	3013.8	3153.2	3170.4	3190.8	3258.2	3292.6	3286.4	3313.0	3330.2
22.5°	2880.7	3021.6	3176.7	3269.1	3308.3	3331.8	3385.0	3407.0	3416.4	3422.6	3411.7
25°	3002.8	3153.2	3267.6	3349.0	3372.5	3385.0	3402.3	3408.5	3403.8	3392.9	3402.3
27.5°	3085.9	3206.5	3284.8	3322.4	3309.8	3289.5	3256.6	3234.7	3186.1	3162.6	3190.8
30°	3120.3	3173.6	3197.1	3134.4	3071.8	3021.6	2959.0	2843.1	2752.2	2778.8	2742.8
32.5°	3065.5	3031.0	2918.2	2756.9	2708.3	2626.9	2449.9	2313.6	2318.3	2246.2	2276.0
35°	2904.1	2747.5	2534.5	2290.1	2225.9	2182.0	1987.8	1958.0	1895.4	1828.0	1846.8
37.5°	2619.1	2390.4	2131.9	1951.8	1856.2	1760.7	1651.0	1585.2	1547.6	1519.4	1541.4
40°	2271.3	1992.5	1779.5	1618.1	1536.7	1475.6	1400.4	1334.6	1292.3	1287.6	1295.4
42.5°	1929.8	1694.9	1499.1	1345.6	1318.9	1246.9	1198.3	1146.6	1134.1	1113.7	1124.7
45°	1633.8	1442.7	1281.3	1156.0	1124.7	1105.9	1046.4	1013.5	999.4	986.8	1005.6
47.5°	1419.2	1218.7	1101.2	1026.0	994.7	963.3	930.5	908.5	897.6	899.1	897.6
50°	1212.4	1065.2	961.8	903.8	885.0	863.1	836.5	822.4	817.7	803.6	814.5
52.5°	1043.2	936.7	864.7	809.8	795.7	780.1	758.1	750.3	739.4	736.2	736.2
55°	907.0	823.9	766.0	730.0	712.7	700.2	687.7	678.3	670.4	670.4	670.4
57.5°	800.4	728.4	686.1	654.8	648.5	636.0	621.9	621.9	610.9	609.3	614.0
60°	709.6	645.4	612.5	585.8	576.4	573.3	559.2	559.2	556.1	548.2	554.5
62.5°	617.2	570.2	542.0	521.6	512.2	512.2	501.3	493.4	493.4	495.0	491.9
65°	532.6	498.1	473.1	457.4	452.7	446.4	444.9	438.6	433.9	435.5	433.9
67.5°	457.4	430.8	413.5	401.0	393.2	390.0	385.3	385.3	382.2	383.8	375.9
70°	390.0	363.4	349.3	336.8	333.6	333.6	327.4	328.9	325.8	330.5	327.4
72.5°	321.1	300.8	289.8	285.1	282.0	280.4	277.3	274.1	272.6	275.7	274.1
75°	260.0	242.8	235.0	231.8	228.7	228.7	227.1	225.6	224.0	224.0	224.0
77.5°	202.1	191.1	181.7	184.8	180.1	181.7	177.0	177.0	178.6	177.0	177.0
80°	148.8	141.0	141.0	137.8	131.6	134.7	134.7	130.0	128.4	131.6	126.9
82.5°	98.7	97.1	94.0	92.4	89.3	90.9	89.3	87.7	86.2	89.3	86.2
85°	58.0	58.0	56.4	53.3	56.4	54.8	53.3	53.3	51.7	51.7	51.7
87.5°	29.8	26.6	26.6	25.1	26.6	23.5	25.1	23.5	21.9	23.5	21.9
90°	11.2	11.6	12.0	12.4	12.6	12.7	12.9	13.2	13.4	13.6	13.4
92.5°	12.4	13.1	13.8	14.5	14.9	15.0	15.1	15.2	15.3	15.4	15.3
95°	14.7	15.4	16.1	16.8	17.2	17.2	17.2	17.2	17.2	17.2	17.2
97.5°	15.3	16.1	16.9	17.7	18.1	18.1	18.2	18.3	18.4	18.5	18.4
100°	15.7	16.5	17.3	18.1	18.5	18.6	18.7	18.8	18.9	19.0	18.9
102.5°	30.1	26.8	23.5	20.2	18.5	18.6	18.8	19.0	19.2	19.4	19.2
105°	81.1	63.4	45.6	27.9	19.0	19.1	19.3	19.5	19.7	19.9	19.7
107.5°	160.3	144.8	129.4	113.9	106.2	99.6	86.5	73.3	60.2	47.0	60.2
110°	200.4	197.1	193.8	190.5	188.8	181.6	167.3	152.9	138.6	124.2	138.6

TEST NUMBER: P1031510

CATALOG NUMBER: S123DIW-B1165D460UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	233.1	234.0	234.9	235.8	236.3	236.2	236.0	235.8	235.6	235.4	235.6
115°	260.3	261.3	262.3	263.3	263.8	264.0	264.4	264.8	265.2	265.6	265.2
117.5°	286.8	287.6	288.4	289.2	289.6	289.6	289.7	289.8	289.9	290.0	289.9
120°	312.5	313.3	314.1	314.9	315.3	315.3	315.3	315.3	315.3	315.3	315.3
122.5°	338.0	338.5	339.0	339.5	339.7	339.8	339.9	340.0	340.1	340.2	340.1
125°	361.6	361.8	362.0	362.2	362.3	362.4	362.6	362.8	363.0	363.2	363.0
127.5°	385.7	386.0	386.3	386.6	386.7	386.6	386.4	386.2	386.0	385.8	386.0
130°	407.0	407.4	407.8	408.2	408.4	408.3	408.1	407.9	407.7	407.5	407.7
132.5°	427.3	427.7	428.1	428.5	428.7	428.6	428.3	428.0	427.7	427.4	427.7
135°	448.0	448.3	448.6	448.9	449.1	448.9	448.6	448.3	448.0	447.7	448.0
137.5°	466.3	466.8	467.3	467.8	468.0	467.9	467.7	467.5	467.3	467.1	467.3
140°	483.8	484.2	484.6	485.0	485.2	485.1	484.9	484.7	484.5	484.3	484.5
142.5°	500.4	500.7	501.0	501.3	501.5	501.3	501.0	500.7	500.4	500.1	500.4
145°	515.7	515.9	516.1	516.3	516.4	516.4	516.4	516.4	516.4	516.4	516.4
147.5°	529.7	529.9	530.1	530.3	530.4	530.1	529.6	529.1	528.6	528.1	528.6
150°	542.3	542.5	542.7	542.9	543.0	542.9	542.6	542.3	542.0	541.7	542.0
152.5°	553.4	553.8	554.2	554.6	554.8	554.5	554.0	553.5	553.0	552.5	553.0
155°	563.4	563.9	564.4	564.9	565.2	564.9	564.3	563.7	563.1	562.5	563.1
157.5°	572.5	573.1	573.7	574.3	574.6	574.2	573.4	572.6	571.8	571.0	571.8
160°	580.2	580.8	581.4	582.0	582.3	582.0	581.3	580.6	579.9	579.2	579.9
162.5°	587.1	587.8	588.5	589.2	589.6	589.3	588.7	588.0	587.4	586.8	587.4
165°	593.1	593.9	594.7	595.5	595.9	595.5	594.8	594.1	593.4	592.7	593.4
167.5°	598.0	598.8	599.7	600.5	600.9	600.5	599.7	598.8	598.0	597.2	598.0
170°	602.1	602.9	603.7	604.5	604.9	604.5	603.7	602.9	602.1	601.3	602.1
172.5°	604.8	605.6	606.4	607.2	607.6	607.2	606.3	605.4	604.5	603.6	604.5
175°	607.0	607.7	608.4	609.1	609.4	609.0	608.2	607.4	606.6	605.8	606.6
177.5°	608.0	608.8	609.6	610.4	610.8	610.3	609.3	608.3	607.3	606.3	607.3
180°	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1

TEST NUMBER: P1031510

CATALOG NUMBER: S123DIW-B1165D460UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5
2.5°	1732.5	1737.2	1724.6	1721.5	1721.5	1727.8	1723.1	1680.8	1688.6	1679.2	1676.1
5°	1923.6	1914.2	1901.6	1895.4	1887.5	1865.6	1864.0	1815.5	1806.1	1774.8	1760.7
7.5°	2133.5	2125.6	2088.0	2083.3	2080.2	2059.8	2008.2	1956.5	1918.9	1882.8	1848.4
10°	2373.1	2349.6	2332.4	2297.9	2280.7	2252.5	2185.2	2136.6	2072.4	2017.6	1945.5
12.5°	2661.4	2634.7	2576.8	2551.7	2529.8	2451.5	2384.1	2329.3	2204.0	2166.4	2077.1
15°	2872.8	2816.4	2810.2	2755.3	2752.2	2666.1	2537.6	2478.1	2381.0	2243.1	2150.7
17.5°	3101.5	3051.4	3012.2	2946.4	2937.0	2855.6	2761.6	2615.9	2509.4	2377.8	2260.3
20°	3269.1	3242.5	3175.1	3148.5	3093.7	3024.8	2927.6	2747.5	2617.5	2485.9	2341.8
22.5°	3402.3	3375.6	3322.4	3286.4	3255.0	3165.7	3049.8	2896.3	2717.7	2545.4	2396.6
25°	3400.7	3392.9	3370.9	3353.7	3330.2	3264.4	3167.3	3020.1	2821.1	2631.6	2424.8
27.5°	3208.0	3230.0	3267.6	3286.4	3281.7	3272.3	3217.4	3093.7	2915.1	2689.5	2457.7
30°	2807.0	2886.9	2957.4	3051.4	3079.6	3148.5	3179.8	3109.3	2966.8	2756.9	2500.0
32.5°	2327.7	2443.6	2597.1	2648.8	2738.1	2871.3	3020.1	3046.7	2957.4	2796.1	2526.6
35°	1909.5	2005.0	2124.1	2205.5	2285.4	2501.6	2689.5	2852.5	2882.2	2775.7	2520.4
37.5°	1580.5	1647.9	1752.8	1821.7	1895.4	2080.2	2343.4	2554.8	2703.6	2706.8	2503.1
40°	1342.4	1372.2	1463.0	1513.2	1583.7	1743.4	1978.4	2254.1	2471.8	2572.1	2457.7
42.5°	1137.2	1176.4	1251.6	1289.2	1334.6	1474.0	1629.1	1890.7	2160.1	2374.7	2373.1
45°	1015.0	1043.2	1077.7	1109.0	1160.7	1243.7	1420.7	1616.5	1875.0	2117.8	2213.4
47.5°	907.0	933.6	968.0	977.4	1011.9	1090.2	1198.3	1369.1	1610.3	1851.5	2031.6
50°	816.1	838.0	861.5	878.8	894.4	958.7	1040.1	1184.2	1376.9	1610.3	1834.3
52.5°	745.6	761.3	781.6	791.0	805.1	852.1	914.8	1021.3	1179.5	1392.5	1610.3
55°	679.8	690.8	703.3	719.0	725.3	759.7	808.3	899.1	1016.6	1207.7	1414.5
57.5°	618.7	623.4	631.3	640.7	648.5	678.3	720.6	781.6	885.0	1032.3	1228.1
60°	549.8	562.3	567.0	576.4	581.1	604.6	637.5	689.2	769.1	896.0	1043.2
62.5°	491.9	499.7	507.5	512.2	523.2	531.0	557.6	604.6	670.4	764.4	897.6
65°	440.2	443.3	448.0	452.7	455.8	465.2	490.3	521.6	571.7	654.8	758.1
67.5°	380.6	383.8	390.0	391.6	394.7	407.3	421.4	448.0	490.3	552.9	637.5
70°	322.7	327.4	330.5	333.6	338.3	343.0	358.7	380.6	413.5	457.4	523.2
72.5°	272.6	277.3	277.3	280.4	278.8	285.1	300.8	316.4	338.3	374.4	432.3
75°	222.4	222.4	225.6	227.1	228.7	235.0	241.2	253.8	271.0	299.2	335.2
77.5°	175.4	173.9	177.0	177.0	177.0	181.7	188.0	194.2	205.2	225.6	253.8
80°	128.4	128.4	131.6	133.1	130.0	131.6	134.7	141.0	148.8	162.9	178.6
82.5°	84.6	90.9	89.3	90.9	89.3	92.4	94.0	95.6	98.7	105.0	115.9
85°	51.7	51.7	51.7	53.3	51.7	53.3	53.3	53.3	54.8	58.0	62.7
87.5°	21.9	21.9	21.9	23.5	21.9	21.9	23.5	21.9	23.5	23.5	25.1
90°	13.2	12.9	12.7	12.6	12.4	12.0	11.6	11.2	10.8	9.5	8.2
92.5°	15.2	15.1	15.0	14.9	14.5	13.8	13.1	12.4	11.7	10.8	9.9
95°	17.2	17.2	17.2	17.2	16.8	16.1	15.4	14.7	14.0	12.9	11.8
97.5°	18.3	18.2	18.1	18.1	17.7	16.9	16.1	15.3	14.5	19.6	24.7
100°	18.8	18.7	18.6	18.5	18.1	17.3	16.5	15.7	14.9	30.6	46.2
102.5°	19.0	18.8	18.6	18.5	20.2	23.5	26.8	30.1	33.4	50.9	68.3
105°	19.5	19.3	19.1	19.0	27.9	45.6	63.4	81.1	98.9	107.9	117.0
107.5°	73.3	86.5	99.6	106.2	113.9	129.4	144.8	160.3	175.7	174.2	172.7
110°	152.9	167.3	181.6	188.8	190.5	193.8	197.1	200.4	203.7	202.6	201.5

TEST NUMBER: P1031510

CATALOG NUMBER: S123DIW-B1165D460UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	235.8	236.0	236.2	236.3	235.8	234.9	234.0	233.1	232.2	231.1	230.0
115°	264.8	264.4	264.0	263.8	263.3	262.3	261.3	260.3	259.3	258.4	257.5
117.5°	289.8	289.7	289.6	289.6	289.2	288.4	287.6	286.8	286.0	285.5	285.0
120°	315.3	315.3	315.3	315.3	314.9	314.1	313.3	312.5	311.7	311.4	311.1
122.5°	340.0	339.9	339.8	339.7	339.5	339.0	338.5	338.0	337.5	337.1	336.7
125°	362.8	362.6	362.4	362.3	362.2	362.0	361.8	361.6	361.4	361.0	360.6
127.5°	386.2	386.4	386.6	386.7	386.6	386.3	386.0	385.7	385.4	384.9	384.4
130°	407.9	408.1	408.3	408.4	408.2	407.8	407.4	407.0	406.6	406.2	405.8
132.5°	428.0	428.3	428.6	428.7	428.5	428.1	427.7	427.3	426.9	426.6	426.3
135°	448.3	448.6	448.9	449.1	448.9	448.6	448.3	448.0	447.7	447.3	446.9
137.5°	467.5	467.7	467.9	468.0	467.8	467.3	466.8	466.3	465.8	465.6	465.4
140°	484.7	484.9	485.1	485.2	485.0	484.6	484.2	483.8	483.4	483.1	482.8
142.5°	500.7	501.0	501.3	501.5	501.3	501.0	500.7	500.4	500.1	499.8	499.5
145°	516.4	516.4	516.4	516.4	516.3	516.1	515.9	515.7	515.5	515.3	515.1
147.5°	529.1	529.6	530.1	530.4	530.3	530.1	529.9	529.7	529.5	529.3	529.1
150°	542.3	542.6	542.9	543.0	542.9	542.7	542.5	542.3	542.1	541.9	541.7
152.5°	553.5	554.0	554.5	554.8	554.6	554.2	553.8	553.4	553.0	552.9	552.8
155°	563.7	564.3	564.9	565.2	564.9	564.4	563.9	563.4	562.9	562.8	562.7
157.5°	572.6	573.4	574.2	574.6	574.3	573.7	573.1	572.5	571.9	572.0	572.1
160°	580.6	581.3	582.0	582.3	582.0	581.4	580.8	580.2	579.6	579.7	579.8
162.5°	588.0	588.7	589.3	589.6	589.2	588.5	587.8	587.1	586.4	586.5	586.6
165°	594.1	594.8	595.5	595.9	595.5	594.7	593.9	593.1	592.3	592.4	592.5
167.5°	598.8	599.7	600.5	600.9	600.5	599.7	598.8	598.0	597.2	597.2	597.2
170°	602.9	603.7	604.5	604.9	604.5	603.7	602.9	602.1	601.3	601.3	601.3
172.5°	605.4	606.3	607.2	607.6	607.2	606.4	605.6	604.8	604.0	603.9	603.8
175°	607.4	608.2	609.0	609.4	609.1	608.4	607.7	607.0	606.3	606.2	606.1
177.5°	608.3	609.3	610.3	610.8	610.4	609.6	608.8	608.0	607.2	607.1	607.0
180°	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1

TEST NUMBER: P1031510

CATALOG NUMBER: S123DIW-B1165D460UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5
2.5°	1660.4	1655.7	1655.7	1652.6	1643.2	1625.9	1624.4	1627.5	1618.1	1608.7	1594.6
5°	1741.9	1712.1	1702.7	1693.3	1674.5	1643.2	1630.6	1619.7	1602.4	1582.1	1560.2
7.5°	1810.8	1768.5	1756.0	1738.7	1701.1	1657.3	1629.1	1605.6	1582.1	1553.9	1527.3
10°	1896.9	1835.8	1806.1	1781.0	1729.3	1668.2	1625.9	1591.5	1553.9	1519.4	1485.0
12.5°	1994.1	1895.4	1886.0	1824.9	1765.4	1674.5	1622.8	1572.7	1522.6	1480.3	1444.2
15°	2075.5	1967.4	1928.3	1887.5	1773.2	1660.4	1610.3	1553.9	1495.9	1450.5	1397.2
17.5°	2127.2	2037.9	1954.9	1900.1	1781.0	1680.8	1583.7	1519.4	1458.3	1395.7	1351.8
20°	2189.9	2059.8	1987.8	1914.2	1796.7	1665.1	1568.0	1488.1	1412.9	1356.5	1303.3
22.5°	2252.5	2077.1	2017.6	1937.7	1799.8	1649.4	1539.8	1459.9	1373.8	1317.4	1259.4
25°	2246.2	2102.1	2003.5	1936.1	1768.5	1635.3	1506.9	1412.9	1333.0	1261.0	1203.0
27.5°	2250.9	2073.9	1973.7	1895.4	1746.6	1615.0	1472.4	1373.8	1290.7	1215.5	1154.5
30°	2252.5	2031.6	1943.9	1849.9	1705.8	1566.4	1433.3	1333.0	1245.3	1163.9	1109.0
32.5°	2247.8	1997.2	1887.5	1803.0	1641.6	1519.4	1387.8	1281.3	1192.0	1116.9	1065.2
35°	2236.9	1956.5	1829.6	1723.1	1575.8	1452.1	1345.6	1235.9	1140.4	1071.4	1011.9
37.5°	2207.1	1912.6	1768.5	1663.5	1499.1	1373.8	1279.8	1188.9	1096.5	1015.0	964.9
40°	2185.2	1853.1	1707.4	1593.1	1416.0	1293.9	1215.5	1129.4	1038.5	964.9	916.4
42.5°	2135.0	1796.7	1644.7	1508.5	1334.6	1209.3	1135.7	1066.7	988.4	916.4	872.5
45°	2053.6	1735.6	1568.0	1430.1	1245.3	1126.3	1058.9	1002.5	933.6	864.7	820.8
47.5°	1939.2	1647.9	1486.5	1348.7	1157.6	1037.0	969.6	927.3	872.5	814.5	776.9
50°	1815.5	1552.3	1403.5	1267.2	1073.0	955.5	889.7	850.6	814.5	761.3	725.3
52.5°	1654.1	1450.5	1308.0	1177.9	982.1	869.4	811.4	783.2	745.6	708.0	676.7
55°	1497.5	1318.9	1201.4	1077.7	892.9	787.9	731.5	701.8	679.8	648.5	623.4
57.5°	1315.8	1196.7	1088.7	975.9	809.8	714.3	661.0	625.0	610.9	596.8	573.3
60°	1148.2	1057.3	969.6	875.6	723.7	637.5	585.8	557.6	543.5	534.1	518.5
62.5°	994.7	924.2	849.0	773.8	636.0	557.6	518.5	490.3	477.8	476.2	462.1
65°	847.4	797.3	736.2	662.6	554.5	485.6	448.0	430.8	416.7	416.7	405.7
67.5°	700.2	665.7	617.2	565.5	480.9	416.7	382.2	366.5	358.7	358.7	350.9
70°	582.7	559.2	515.4	469.9	396.3	347.7	321.1	307.0	302.3	303.9	297.6
72.5°	473.1	448.0	412.0	379.1	324.2	288.2	269.4	253.8	245.9	247.5	245.9
75°	366.5	354.0	322.7	297.6	253.8	228.7	211.5	203.6	197.4	198.9	195.8
77.5°	275.7	256.9	239.7	222.4	195.8	175.4	161.3	153.5	148.8	148.8	148.8
80°	188.0	184.8	170.7	161.3	139.4	123.7	112.8	111.2	106.5	106.5	106.5
82.5°	122.2	114.3	106.5	100.3	87.7	78.3	73.6	70.5	68.9	67.4	70.5
85°	67.4	62.7	59.5	53.3	48.6	43.9	39.2	37.6	36.0	37.6	36.0
87.5°	26.6	21.9	21.9	20.4	18.8	17.2	17.2	14.1	14.1	12.5	12.5
90°	6.9	5.6	5.0	4.5	3.5	2.5	1.5	0.5	1.5	2.5	3.5
92.5°	9.0	8.1	7.7	8.0	8.6	9.2	9.8	10.4	9.8	9.2	8.6
95°	10.7	9.6	9.0	11.1	15.2	19.3	23.5	27.6	23.5	19.3	15.2
97.5°	29.8	34.9	37.5	38.9	41.7	44.5	47.3	50.1	47.3	44.5	41.7
100°	61.9	77.6	85.4	84.4	82.4	80.3	78.3	76.3	78.3	80.3	82.4
102.5°	85.8	103.3	112.0	111.4	110.1	108.8	107.5	106.2	107.5	108.8	110.1
105°	126.0	135.1	139.6	139.0	137.9	136.8	135.7	134.6	135.7	136.8	137.9
107.5°	171.2	169.7	169.0	168.5	167.6	166.7	165.8	164.9	165.8	166.7	167.6
110°	200.4	199.3	198.8	198.4	197.6	196.8	196.0	195.2	196.0	196.8	197.6

TEST NUMBER: P1031510

CATALOG NUMBER: S123DIW-B1165D460UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	228.9	227.8	227.2	226.9	226.2	225.5	224.8	224.1	224.8	225.5	226.2
115°	256.6	255.7	255.2	254.9	254.3	253.7	253.1	252.5	253.1	253.7	254.3
117.5°	284.5	284.0	283.7	283.3	282.6	281.9	281.2	280.5	281.2	281.9	282.6
120°	310.8	310.5	310.4	309.9	309.0	308.1	307.2	306.3	307.2	308.1	309.0
122.5°	336.3	335.9	335.7	335.3	334.6	333.9	333.2	332.5	333.2	333.9	334.6
125°	360.2	359.8	359.6	359.2	358.4	357.6	356.8	356.0	356.8	357.6	358.4
127.5°	383.9	383.4	383.1	382.7	381.9	381.1	380.3	379.5	380.3	381.1	381.9
130°	405.4	405.0	404.8	404.4	403.6	402.8	402.0	401.2	402.0	402.8	403.6
132.5°	426.0	425.7	425.6	425.2	424.4	423.6	422.8	422.0	422.8	423.6	424.4
135°	446.5	446.1	445.9	445.6	445.0	444.4	443.8	443.2	443.8	444.4	445.0
137.5°	465.2	465.0	464.9	464.5	463.7	462.9	462.1	461.3	462.1	462.9	463.7
140°	482.5	482.2	482.0	481.7	481.1	480.5	479.9	479.3	479.9	480.5	481.1
142.5°	499.2	498.9	498.8	498.5	497.9	497.2	496.6	496.0	496.6	497.2	497.9
145°	514.9	514.7	514.6	514.2	513.5	512.8	512.1	511.4	512.1	512.8	513.5
147.5°	528.9	528.7	528.6	528.3	527.8	527.3	526.8	526.3	526.8	527.3	527.8
150°	541.5	541.3	541.2	541.1	540.8	540.5	540.2	539.9	540.2	540.5	540.8
152.5°	552.7	552.6	552.5	552.5	552.4	552.3	552.2	552.1	552.2	552.3	552.4
155°	562.6	562.5	562.5	562.6	562.8	563.0	563.2	563.4	563.2	563.0	562.8
157.5°	572.2	572.3	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4
160°	579.9	580.0	580.1	580.1	580.2	580.3	580.4	580.5	580.4	580.3	580.2
162.5°	586.7	586.8	586.8	587.0	587.3	587.6	587.9	588.2	587.9	587.6	587.3
165°	592.6	592.7	592.7	592.9	593.2	593.5	593.8	594.1	593.8	593.5	593.2
167.5°	597.2	597.2	597.2	597.4	597.8	598.2	598.6	599.0	598.6	598.2	597.8
170°	601.3	601.3	601.3	601.5	601.9	602.3	602.7	603.1	602.7	602.3	601.9
172.5°	603.7	603.6	603.6	603.8	604.3	604.8	605.3	605.8	605.3	604.8	604.3
175°	606.0	605.9	605.8	606.1	606.6	607.1	607.6	608.1	607.6	607.1	606.6
177.5°	606.9	606.8	606.7	607.0	607.5	608.0	608.5	609.0	608.5	608.0	607.5
180°	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1

TEST NUMBER: P1031510

CATALOG NUMBER: S123DIW-B1165D460UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5
2.5°	1591.5	1589.9	1593.1	1583.7	1568.0	1560.2	1538.2	1533.5	1532.0	1533.5	1535.1
5°	1547.6	1546.1	1541.4	1525.7	1506.9	1492.8	1466.2	1464.6	1455.2	1445.8	1450.5
7.5°	1505.3	1499.1	1489.7	1469.3	1444.2	1428.6	1406.6	1391.0	1378.5	1370.6	1364.4
10°	1463.0	1453.6	1444.2	1417.6	1386.3	1362.8	1336.2	1323.6	1309.5	1303.3	1297.0
12.5°	1408.2	1398.8	1381.6	1350.3	1331.5	1301.7	1275.1	1262.5	1254.7	1242.2	1234.3
15°	1364.4	1345.6	1336.2	1303.3	1264.1	1261.0	1212.4	1209.3	1193.6	1193.6	1181.1
17.5°	1314.2	1300.1	1282.9	1250.0	1221.8	1193.6	1168.6	1159.2	1145.1	1141.9	1135.7
20°	1265.7	1246.9	1240.6	1207.7	1177.9	1143.5	1116.9	1107.5	1101.2	1094.9	1099.6
22.5°	1215.5	1199.9	1184.2	1154.5	1132.5	1098.1	1082.4	1073.0	1063.6	1060.5	1062.0
25°	1167.0	1152.9	1137.2	1107.5	1084.0	1055.8	1041.7	1037.0	1032.3	1032.3	1030.7
27.5°	1120.0	1105.9	1091.8	1065.2	1041.7	1021.3	1010.3	1005.6	1000.9	1004.1	1007.2
30°	1071.4	1058.9	1046.4	1022.9	1004.1	985.3	979.0	975.9	974.3	982.1	982.1
32.5°	1027.6	1016.6	1007.2	985.3	966.5	950.8	946.1	947.7	949.3	954.0	957.1
35°	982.1	974.3	964.9	946.1	930.5	916.4	917.9	917.9	921.1	928.9	935.2
37.5°	941.4	930.5	922.6	907.0	894.4	881.9	886.6	891.3	894.4	903.8	907.0
40°	892.9	888.2	881.9	866.2	855.3	853.7	855.3	858.4	864.7	869.4	874.1
42.5°	853.7	847.4	839.6	827.1	817.7	819.2	820.8	823.9	827.1	834.9	839.6
45°	809.8	805.1	798.9	787.9	780.1	781.6	783.2	783.2	786.3	795.7	798.9
47.5°	761.3	762.8	755.0	744.1	739.4	739.4	739.4	742.5	750.3	753.4	755.0
50°	714.3	711.2	709.6	698.6	695.5	693.9	695.5	697.1	708.0	706.5	711.2
52.5°	664.2	664.2	662.6	656.3	651.6	651.6	648.5	656.3	659.5	662.6	667.3
55°	615.6	610.9	609.3	606.2	599.9	598.4	601.5	610.9	614.0	617.2	621.9
57.5°	562.3	562.3	559.2	554.5	554.5	554.5	554.5	560.8	565.5	568.6	578.0
60°	513.8	507.5	502.8	502.8	502.8	501.3	510.7	510.7	520.1	521.6	524.8
62.5°	455.8	452.7	449.6	451.1	449.6	452.7	455.8	462.1	463.7	468.4	473.1
65°	401.0	401.0	397.9	407.3	401.0	401.0	408.8	408.8	412.0	416.7	422.9
67.5°	347.7	349.3	346.2	346.2	349.3	350.9	352.4	358.7	360.3	366.5	374.4
70°	292.9	296.1	297.6	294.5	297.6	300.8	303.9	305.5	311.7	314.9	319.6
72.5°	244.4	247.5	242.8	244.4	245.9	249.1	250.6	253.8	256.9	266.3	269.4
75°	195.8	194.2	192.7	198.9	195.8	202.1	203.6	203.6	206.8	214.6	217.7
77.5°	150.4	150.4	151.9	148.8	153.5	151.9	153.5	158.2	162.9	162.9	175.4
80°	105.0	108.1	108.1	108.1	109.6	111.2	108.1	115.9	117.5	117.5	122.2
82.5°	67.4	68.9	67.4	70.5	70.5	73.6	72.1	73.6	76.8	79.9	81.5
85°	36.0	36.0	39.2	39.2	37.6	39.2	37.6	39.2	42.3	42.3	43.9
87.5°	12.5	12.5	12.5	12.5	14.1	12.5	14.1	14.1	12.5	12.5	17.2
90°	4.5	5.0	5.6	6.9	8.2	9.5	10.8	11.2	11.6	12.0	12.4
92.5°	8.0	7.7	8.1	9.0	9.9	10.8	11.7	12.4	13.1	13.8	14.5
95°	11.1	9.0	9.6	10.7	11.8	12.9	14.0	14.7	15.4	16.1	16.8
97.5°	38.9	37.5	34.9	29.8	24.7	19.6	14.5	15.3	16.1	16.9	17.7
100°	84.4	85.4	77.6	61.9	46.2	30.6	14.9	15.7	16.5	17.3	18.1
102.5°	111.4	112.0	103.3	85.8	68.3	50.9	33.4	30.1	26.8	23.5	20.2
105°	139.0	139.6	135.1	126.0	117.0	107.9	98.9	81.1	63.4	45.6	27.9
107.5°	168.5	169.0	169.7	171.2	172.7	174.2	175.7	160.3	144.8	129.4	113.9
110°	198.4	198.8	199.3	200.4	201.5	202.6	203.7	200.4	197.1	193.8	190.5

TEST NUMBER: P1031510

CATALOG NUMBER: S123DIW-B1165D460UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	226.9	227.2	227.8	228.9	230.0	231.1	232.2	233.1	234.0	234.9	235.8
115°	254.9	255.2	255.7	256.6	257.5	258.4	259.3	260.3	261.3	262.3	263.3
117.5°	283.3	283.7	284.0	284.5	285.0	285.5	286.0	286.8	287.6	288.4	289.2
120°	309.9	310.4	310.5	310.8	311.1	311.4	311.7	312.5	313.3	314.1	314.9
122.5°	335.3	335.7	335.9	336.3	336.7	337.1	337.5	338.0	338.5	339.0	339.5
125°	359.2	359.6	359.8	360.2	360.6	361.0	361.4	361.6	361.8	362.0	362.2
127.5°	382.7	383.1	383.4	383.9	384.4	384.9	385.4	385.7	386.0	386.3	386.6
130°	404.4	404.8	405.0	405.4	405.8	406.2	406.6	407.0	407.4	407.8	408.2
132.5°	425.2	425.6	425.7	426.0	426.3	426.6	426.9	427.3	427.7	428.1	428.5
135°	445.6	445.9	446.1	446.5	446.9	447.3	447.7	448.0	448.3	448.6	448.9
137.5°	464.5	464.9	465.0	465.2	465.4	465.6	465.8	466.3	466.8	467.3	467.8
140°	481.7	482.0	482.2	482.5	482.8	483.1	483.4	483.8	484.2	484.6	485.0
142.5°	498.5	498.8	498.9	499.2	499.5	499.8	500.1	500.4	500.7	501.0	501.3
145°	514.2	514.6	514.7	514.9	515.1	515.3	515.5	515.7	515.9	516.1	516.3
147.5°	528.3	528.6	528.7	528.9	529.1	529.3	529.5	529.7	529.9	530.1	530.3
150°	541.1	541.2	541.3	541.5	541.7	541.9	542.1	542.3	542.5	542.7	542.9
152.5°	552.5	552.5	552.6	552.7	552.8	552.9	553.0	553.4	553.8	554.2	554.6
155°	562.6	562.5	562.5	562.6	562.7	562.8	562.9	563.4	563.9	564.4	564.9
157.5°	572.4	572.4	572.3	572.2	572.1	572.0	571.9	572.5	573.1	573.7	574.3
160°	580.1	580.1	580.0	579.9	579.8	579.7	579.6	580.2	580.8	581.4	582.0
162.5°	587.0	586.8	586.8	586.7	586.6	586.5	586.4	587.1	587.8	588.5	589.2
165°	592.9	592.7	592.7	592.6	592.5	592.4	592.3	593.1	593.9	594.7	595.5
167.5°	597.4	597.2	597.2	597.2	597.2	597.2	597.2	598.0	598.8	599.7	600.5
170°	601.5	601.3	601.3	601.3	601.3	601.3	601.3	602.1	602.9	603.7	604.5
172.5°	603.8	603.6	603.6	603.7	603.8	603.9	604.0	604.8	605.6	606.4	607.2
175°	606.1	605.8	605.9	606.0	606.1	606.2	606.3	607.0	607.7	608.4	609.1
177.5°	607.0	606.7	606.8	606.9	607.0	607.1	607.2	608.0	608.8	609.6	610.4
180°	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1

TEST NUMBER: P1031510

CATALOG NUMBER: S123DIW-B1165D460UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5
2.5°	1533.5	1535.1	1528.8	1524.1	1536.7	1528.8	1528.8	1530.4	1527.3	1532.0	1530.4
5°	1447.4	1448.9	1438.0	1441.1	1434.8	1433.3	1431.7	1441.1	1439.5	1438.0	1441.1
7.5°	1362.8	1362.8	1358.1	1355.0	1355.0	1350.3	1356.5	1355.0	1358.1	1358.1	1362.8
10°	1292.3	1295.4	1287.6	1279.8	1278.2	1279.8	1279.8	1281.3	1282.9	1293.9	1292.3
12.5°	1234.3	1229.6	1228.1	1223.4	1215.5	1212.4	1209.3	1226.5	1221.8	1221.8	1221.8
15°	1170.1	1181.1	1179.5	1165.4	1162.3	1168.6	1165.4	1165.4	1181.1	1179.5	1177.9
17.5°	1135.7	1132.5	1129.4	1121.6	1123.1	1121.6	1123.1	1123.1	1132.5	1132.5	1132.5
20°	1096.5	1090.2	1090.2	1087.1	1087.1	1082.4	1088.7	1090.2	1096.5	1096.5	1098.1
22.5°	1062.0	1057.3	1057.3	1055.8	1058.9	1052.6	1058.9	1060.5	1060.5	1065.2	1065.2
25°	1032.3	1029.1	1029.1	1032.3	1032.3	1032.3	1032.3	1038.5	1033.8	1035.4	1033.8
27.5°	1005.6	1007.2	1008.8	1010.3	1008.8	1010.3	1011.9	1015.0	1016.6	1015.0	1011.9
30°	980.6	985.3	986.8	986.8	990.0	991.5	993.1	993.1	994.7	990.0	993.1
32.5°	961.8	961.8	964.9	966.5	969.6	971.2	971.2	974.3	972.7	968.0	969.6
35°	935.2	935.2	941.4	944.6	949.3	947.7	949.3	949.3	950.8	947.7	943.0
37.5°	908.5	911.7	911.7	917.9	919.5	921.1	919.5	922.6	921.1	917.9	916.4
40°	877.2	875.6	877.2	881.9	883.5	883.5	883.5	886.6	886.6	886.6	885.0
42.5°	838.0	842.7	841.2	845.9	844.3	844.3	847.4	850.6	852.1	847.4	849.0
45°	800.4	800.4	803.6	803.6	805.1	805.1	811.4	808.3	811.4	808.3	809.8
47.5°	759.7	761.3	761.3	762.8	766.0	769.1	766.0	767.5	767.5	769.1	766.0
50°	714.3	714.3	717.4	722.1	728.4	725.3	723.7	730.0	725.3	725.3	722.1
52.5°	667.3	672.0	673.6	678.3	683.0	684.5	686.1	683.0	684.5	679.8	681.4
55°	621.9	623.4	629.7	634.4	639.1	639.1	637.5	639.1	640.7	634.4	634.4
57.5°	576.4	581.1	587.4	587.4	593.7	593.7	592.1	592.1	593.7	589.0	587.4
60°	527.9	532.6	540.4	540.4	549.8	551.4	548.2	545.1	545.1	540.4	542.0
62.5°	476.2	480.9	485.6	493.4	499.7	496.6	502.8	496.6	498.1	488.7	488.7
65°	430.8	432.3	440.2	448.0	448.0	451.1	448.0	449.6	444.9	444.9	438.6
67.5°	377.5	377.5	385.3	393.2	401.0	401.0	401.0	396.3	396.3	391.6	391.6
70°	330.5	328.9	336.8	341.5	346.2	347.7	344.6	343.0	339.9	335.2	333.6
72.5°	272.6	275.7	283.5	286.7	294.5	292.9	300.8	291.4	291.4	283.5	282.0
75°	220.9	224.0	231.8	236.5	241.2	241.2	245.9	241.2	235.0	231.8	230.3
77.5°	175.4	173.9	180.1	188.0	189.5	188.0	191.1	189.5	183.3	183.3	180.1
80°	125.3	130.0	136.3	134.7	141.0	139.4	139.4	136.3	136.3	131.6	134.7
82.5°	83.0	87.7	89.3	87.7	89.3	92.4	94.0	92.4	92.4	89.3	90.9
85°	43.9	43.9	47.0	48.6	47.0	47.0	48.6	53.3	50.1	47.0	50.1
87.5°	14.1	12.5	12.5	14.1	12.5	12.5	14.1	14.1	15.7	15.7	15.7
90°	12.6	12.7	12.9	13.2	13.4	13.6	13.4	13.2	12.9	12.7	12.6
92.5°	14.9	15.0	15.1	15.2	15.3	15.4	15.3	15.2	15.1	15.0	14.9
95°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
97.5°	18.1	18.1	18.2	18.3	18.4	18.5	18.4	18.3	18.2	18.1	18.1
100°	18.5	18.6	18.7	18.8	18.9	19.0	18.9	18.8	18.7	18.6	18.5
102.5°	18.5	18.6	18.8	19.0	19.2	19.4	19.2	19.0	18.8	18.6	18.5
105°	19.0	19.1	19.3	19.5	19.7	19.9	19.7	19.5	19.3	19.1	19.0
107.5°	106.2	99.6	86.5	73.3	60.2	47.0	60.2	73.3	86.5	99.6	106.2
110°	188.8	181.6	167.3	152.9	138.6	124.2	138.6	152.9	167.3	181.6	188.8

TEST NUMBER: P1031510

CATALOG NUMBER: S123DIW-B1165D460UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	236.3	236.2	236.0	235.8	235.6	235.4	235.6	235.8	236.0	236.2	236.3
115°	263.8	264.0	264.4	264.8	265.2	265.6	265.2	264.8	264.4	264.0	263.8
117.5°	289.6	289.6	289.7	289.8	289.9	290.0	289.9	289.8	289.7	289.6	289.6
120°	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3	315.3
122.5°	339.7	339.8	339.9	340.0	340.1	340.2	340.1	340.0	339.9	339.8	339.7
125°	362.3	362.4	362.6	362.8	363.0	363.2	363.0	362.8	362.6	362.4	362.3
127.5°	386.7	386.6	386.4	386.2	386.0	385.8	386.0	386.2	386.4	386.6	386.7
130°	408.4	408.3	408.1	407.9	407.7	407.5	407.7	407.9	408.1	408.3	408.4
132.5°	428.7	428.6	428.3	428.0	427.7	427.4	427.7	428.0	428.3	428.6	428.7
135°	449.1	448.9	448.6	448.3	448.0	447.7	448.0	448.3	448.6	448.9	449.1
137.5°	468.0	467.9	467.7	467.5	467.3	467.1	467.3	467.5	467.7	467.9	468.0
140°	485.2	485.1	484.9	484.7	484.5	484.3	484.5	484.7	484.9	485.1	485.2
142.5°	501.5	501.3	501.0	500.7	500.4	500.1	500.4	500.7	501.0	501.3	501.5
145°	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4
147.5°	530.4	530.1	529.6	529.1	528.6	528.1	528.6	529.1	529.6	530.1	530.4
150°	543.0	542.9	542.6	542.3	542.0	541.7	542.0	542.3	542.6	542.9	543.0
152.5°	554.8	554.5	554.0	553.5	553.0	552.5	553.0	553.5	554.0	554.5	554.8
155°	565.2	564.9	564.3	563.7	563.1	562.5	563.1	563.7	564.3	564.9	565.2
157.5°	574.6	574.2	573.4	572.6	571.8	571.0	571.8	572.6	573.4	574.2	574.6
160°	582.3	582.0	581.3	580.6	579.9	579.2	579.9	580.6	581.3	582.0	582.3
162.5°	589.6	589.3	588.7	588.0	587.4	586.8	587.4	588.0	588.7	589.3	589.6
165°	595.9	595.5	594.8	594.1	593.4	592.7	593.4	594.1	594.8	595.5	595.9
167.5°	600.9	600.5	599.7	598.8	598.0	597.2	598.0	598.8	599.7	600.5	600.9
170°	604.9	604.5	603.7	602.9	602.1	601.3	602.1	602.9	603.7	604.5	604.9
172.5°	607.6	607.2	606.3	605.4	604.5	603.6	604.5	605.4	606.3	607.2	607.6
175°	609.4	609.0	608.2	607.4	606.6	605.8	606.6	607.4	608.2	609.0	609.4
177.5°	610.8	610.3	609.3	608.3	607.3	606.3	607.3	608.3	609.3	610.3	610.8
180°	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1

TEST NUMBER: P1031510

CATALOG NUMBER: S123DIW-B1165D460UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5	1616.5
2.5°	1535.1	1538.2	1539.8	1533.5	1528.8	1536.7	1547.6	1555.5	1561.7	1569.6	1574.3
5°	1444.2	1455.2	1455.2	1458.3	1463.0	1470.9	1491.2	1505.3	1517.9	1527.3	1535.1
7.5°	1367.5	1375.3	1380.0	1387.8	1395.7	1406.6	1430.1	1450.5	1469.3	1480.3	1492.8
10°	1298.6	1304.8	1312.7	1317.4	1331.5	1347.1	1376.9	1394.1	1416.0	1433.3	1448.9
12.5°	1232.8	1254.7	1259.4	1257.8	1270.4	1287.6	1317.4	1344.0	1367.5	1384.7	1401.9
15°	1185.8	1193.6	1203.0	1201.4	1228.1	1232.8	1257.8	1289.2	1320.5	1331.5	1347.1
17.5°	1134.1	1146.6	1156.0	1160.7	1168.6	1185.8	1209.3	1232.8	1273.5	1275.1	1315.8
20°	1093.4	1105.9	1112.2	1118.4	1123.1	1143.5	1163.9	1190.5	1223.4	1240.6	1262.5
22.5°	1066.7	1073.0	1077.7	1082.4	1088.7	1099.6	1124.7	1154.5	1176.4	1195.2	1209.3
25°	1035.4	1041.7	1047.9	1051.1	1055.8	1062.0	1080.8	1104.3	1135.7	1148.2	1162.3
27.5°	1013.5	1013.5	1016.6	1016.6	1022.9	1029.1	1043.2	1065.2	1090.2	1105.9	1124.7
30°	990.0	988.4	990.0	988.4	986.8	996.2	1008.8	1027.6	1044.8	1063.6	1076.1
32.5°	966.5	964.9	964.9	966.5	960.2	964.9	971.2	988.4	1007.2	1016.6	1030.7
35°	941.4	938.3	938.3	938.3	935.2	932.0	938.3	954.0	966.5	979.0	990.0
37.5°	916.4	911.7	911.7	908.5	905.4	900.7	900.7	913.2	930.5	935.2	949.3
40°	881.9	881.9	878.8	877.2	874.1	870.9	866.2	877.2	892.9	897.6	908.5
42.5°	847.4	842.7	841.2	841.2	841.2	836.5	833.3	841.2	850.6	858.4	864.7
45°	808.3	805.1	806.7	805.1	802.0	800.4	798.9	802.0	813.0	816.1	823.9
47.5°	766.0	764.4	764.4	762.8	761.3	762.8	756.6	764.4	767.5	770.7	776.9
50°	722.1	720.6	719.0	717.4	717.4	719.0	717.4	717.4	723.7	726.8	733.1
52.5°	678.3	673.6	673.6	672.0	672.0	668.9	672.0	673.6	676.7	679.8	683.0
55°	631.3	631.3	626.6	626.6	623.4	623.4	625.0	623.4	629.7	632.8	632.8
57.5°	585.8	579.6	581.1	578.0	574.9	573.3	573.3	576.4	579.6	579.6	582.7
60°	537.3	531.0	529.5	523.2	526.3	521.6	523.2	523.2	529.5	526.3	529.5
62.5°	488.7	480.9	476.2	473.1	473.1	474.6	471.5	469.9	473.1	476.2	482.5
65°	437.0	432.3	427.6	422.9	422.9	421.4	424.5	419.8	418.2	419.8	422.9
67.5°	383.8	379.1	374.4	369.7	371.2	366.5	363.4	368.1	365.0	366.5	369.7
70°	332.1	328.9	319.6	316.4	314.9	316.4	314.9	311.7	316.4	314.9	316.4
72.5°	280.4	277.3	272.6	264.7	264.7	263.2	261.6	261.6	260.0	260.0	260.0
75°	230.3	224.0	219.3	217.7	214.6	213.0	211.5	208.3	209.9	211.5	208.3
77.5°	178.6	170.7	169.2	169.2	164.5	164.5	166.0	164.5	162.9	162.9	162.9
80°	131.6	125.3	125.3	122.2	119.0	119.0	119.0	119.0	117.5	115.9	117.5
82.5°	84.6	83.0	81.5	81.5	84.6	78.3	81.5	79.9	78.3	78.3	76.8
85°	47.0	48.6	47.0	48.6	45.4	47.0	47.0	47.0	45.4	47.0	43.9
87.5°	17.2	17.2	17.2	18.8	18.8	18.8	18.8	18.8	20.4	18.8	18.8
90°	12.4	12.0	11.6	11.2	10.8	9.5	8.2	6.9	5.6	5.0	4.5
92.5°	14.5	13.8	13.1	12.4	11.7	10.8	9.9	9.0	8.1	7.7	8.0
95°	16.8	16.1	15.4	14.7	14.0	12.9	11.8	10.7	9.6	9.0	11.1
97.5°	17.7	16.9	16.1	15.3	14.5	19.6	24.7	29.8	34.9	37.5	38.9
100°	18.1	17.3	16.5	15.7	14.9	30.6	46.2	61.9	77.6	85.4	84.4
102.5°	20.2	23.5	26.8	30.1	33.4	50.9	68.3	85.8	103.3	112.0	111.4
105°	27.9	45.6	63.4	81.1	98.9	107.9	117.0	126.0	135.1	139.6	139.0
107.5°	113.9	129.4	144.8	160.3	175.7	174.2	172.7	171.2	169.7	169.0	168.5
110°	190.5	193.8	197.1	200.4	203.7	202.6	201.5	200.4	199.3	198.8	198.4

TEST NUMBER: P1031510

CATALOG NUMBER: S123DIW-B1165D460UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	235.8	234.9	234.0	233.1	232.2	231.1	230.0	228.9	227.8	227.2	226.9
115°	263.3	262.3	261.3	260.3	259.3	258.4	257.5	256.6	255.7	255.2	254.9
117.5°	289.2	288.4	287.6	286.8	286.0	285.5	285.0	284.5	284.0	283.7	283.3
120°	314.9	314.1	313.3	312.5	311.7	311.4	311.1	310.8	310.5	310.4	309.9
122.5°	339.5	339.0	338.5	338.0	337.5	337.1	336.7	336.3	335.9	335.7	335.3
125°	362.2	362.0	361.8	361.6	361.4	361.0	360.6	360.2	359.8	359.6	359.2
127.5°	386.6	386.3	386.0	385.7	385.4	384.9	384.4	383.9	383.4	383.1	382.7
130°	408.2	407.8	407.4	407.0	406.6	406.2	405.8	405.4	405.0	404.8	404.4
132.5°	428.5	428.1	427.7	427.3	426.9	426.6	426.3	426.0	425.7	425.6	425.2
135°	448.9	448.6	448.3	448.0	447.7	447.3	446.9	446.5	446.1	445.9	445.6
137.5°	467.8	467.3	466.8	466.3	465.8	465.6	465.4	465.2	465.0	464.9	464.5
140°	485.0	484.6	484.2	483.8	483.4	483.1	482.8	482.5	482.2	482.0	481.7
142.5°	501.3	501.0	500.7	500.4	500.1	499.8	499.5	499.2	498.9	498.8	498.5
145°	516.3	516.1	515.9	515.7	515.5	515.3	515.1	514.9	514.7	514.6	514.2
147.5°	530.3	530.1	529.9	529.7	529.5	529.3	529.1	528.9	528.7	528.6	528.3
150°	542.9	542.7	542.5	542.3	542.1	541.9	541.7	541.5	541.3	541.2	541.1
152.5°	554.6	554.2	553.8	553.4	553.0	552.9	552.8	552.7	552.6	552.5	552.5
155°	564.9	564.4	563.9	563.4	562.9	562.8	562.7	562.6	562.5	562.5	562.6
157.5°	574.3	573.7	573.1	572.5	571.9	572.0	572.1	572.2	572.3	572.4	572.4
160°	582.0	581.4	580.8	580.2	579.6	579.7	579.8	579.9	580.0	580.1	580.1
162.5°	589.2	588.5	587.8	587.1	586.4	586.5	586.6	586.7	586.8	586.8	587.0
165°	595.5	594.7	593.9	593.1	592.3	592.4	592.5	592.6	592.7	592.7	592.9
167.5°	600.5	599.7	598.8	598.0	597.2	597.2	597.2	597.2	597.2	597.2	597.4
170°	604.5	603.7	602.9	602.1	601.3	601.3	601.3	601.3	601.3	601.3	601.5
172.5°	607.2	606.4	605.6	604.8	604.0	603.9	603.8	603.7	603.6	603.6	603.8
175°	609.1	608.4	607.7	607.0	606.3	606.2	606.1	606.0	605.9	605.8	606.1
177.5°	610.4	609.6	608.8	608.0	607.2	607.1	607.0	606.9	606.8	606.7	607.0
180°	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1

TEST NUMBER: P1031510

CATALOG NUMBER: S123DIW-B1165D460UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1616.5	1616.5	1616.5	1616.5
2.5°	1582.1	1586.8	1602.4	1621.2
5°	1550.8	1563.3	1585.2	1615.0
7.5°	1516.3	1535.1	1566.4	1604.0
10°	1477.1	1503.8	1542.9	1589.9
12.5°	1434.8	1469.3	1519.4	1568.0
15°	1408.2	1442.7	1488.1	1541.4
17.5°	1356.5	1397.2	1444.2	1519.4
20°	1303.3	1348.7	1409.8	1485.0
22.5°	1262.5	1311.1	1369.1	1448.9
25°	1214.0	1264.1	1326.8	1409.8
27.5°	1162.3	1212.4	1282.9	1370.6
30°	1123.1	1171.7	1239.0	1333.0
32.5°	1076.1	1123.1	1193.6	1292.3
35°	1022.9	1076.1	1143.5	1243.7
37.5°	982.1	1030.7	1101.2	1196.7
40°	938.3	980.6	1049.5	1143.5
42.5°	891.3	938.3	997.8	1091.8
45°	847.4	881.9	943.0	1032.3
47.5°	800.4	839.6	886.6	955.5
50°	750.3	783.2	834.9	881.9
52.5°	701.8	728.4	772.2	808.3
55°	650.1	676.7	709.6	731.5
57.5°	601.5	620.3	642.2	656.3
60°	542.0	560.8	574.9	589.0
62.5°	488.7	502.8	510.7	518.5
65°	433.9	441.7	446.4	452.7
67.5°	374.4	382.2	383.8	393.2
70°	319.6	321.1	324.2	328.9
72.5°	267.9	271.0	269.4	272.6
75°	214.6	217.7	214.6	217.7
77.5°	162.9	166.0	166.0	170.7
80°	117.5	119.0	120.6	120.6
82.5°	76.8	81.5	78.3	79.9
85°	43.9	45.4	45.4	47.0
87.5°	20.4	21.9	20.4	23.5
90°	3.5	2.5	1.5	0.5
92.5°	8.6	9.2	9.8	10.4
95°	15.2	19.3	23.5	27.6
97.5°	41.7	44.5	47.3	50.1
100°	82.4	80.3	78.3	76.3
102.5°	110.1	108.8	107.5	106.2
105°	137.9	136.8	135.7	134.6
107.5°	167.6	166.7	165.8	164.9
110°	197.6	196.8	196.0	195.2

TEST NUMBER: P1031510

CATALOG NUMBER: S123DIW-B1165D460UB40-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	226.2	225.5	224.8	224.1
115°	254.3	253.7	253.1	252.5
117.5°	282.6	281.9	281.2	280.5
120°	309.0	308.1	307.2	306.3
122.5°	334.6	333.9	333.2	332.5
125°	358.4	357.6	356.8	356.0
127.5°	381.9	381.1	380.3	379.5
130°	403.6	402.8	402.0	401.2
132.5°	424.4	423.6	422.8	422.0
135°	445.0	444.4	443.8	443.2
137.5°	463.7	462.9	462.1	461.3
140°	481.1	480.5	479.9	479.3
142.5°	497.9	497.2	496.6	496.0
145°	513.5	512.8	512.1	511.4
147.5°	527.8	527.3	526.8	526.3
150°	540.8	540.5	540.2	539.9
152.5°	552.4	552.3	552.2	552.1
155°	562.8	563.0	563.2	563.4
157.5°	572.4	572.4	572.4	572.4
160°	580.2	580.3	580.4	580.5
162.5°	587.3	587.6	587.9	588.2
165°	593.2	593.5	593.8	594.1
167.5°	597.8	598.2	598.6	599.0
170°	601.9	602.3	602.7	603.1
172.5°	604.3	604.8	605.3	605.8
175°	606.6	607.1	607.6	608.1
177.5°	607.5	608.0	608.5	609.0
180°	608.1	608.1	608.1	608.1

(END OF REPORT)