

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: P1033189

Luminaire Tested: S124DIW-B1020D470UB35-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1033189
REPORT IS A COMBINATION OF REPORTS P996857 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124DIW-B1020D470UB35-4F0-XX-W2A-A1
Description: Define 4 Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

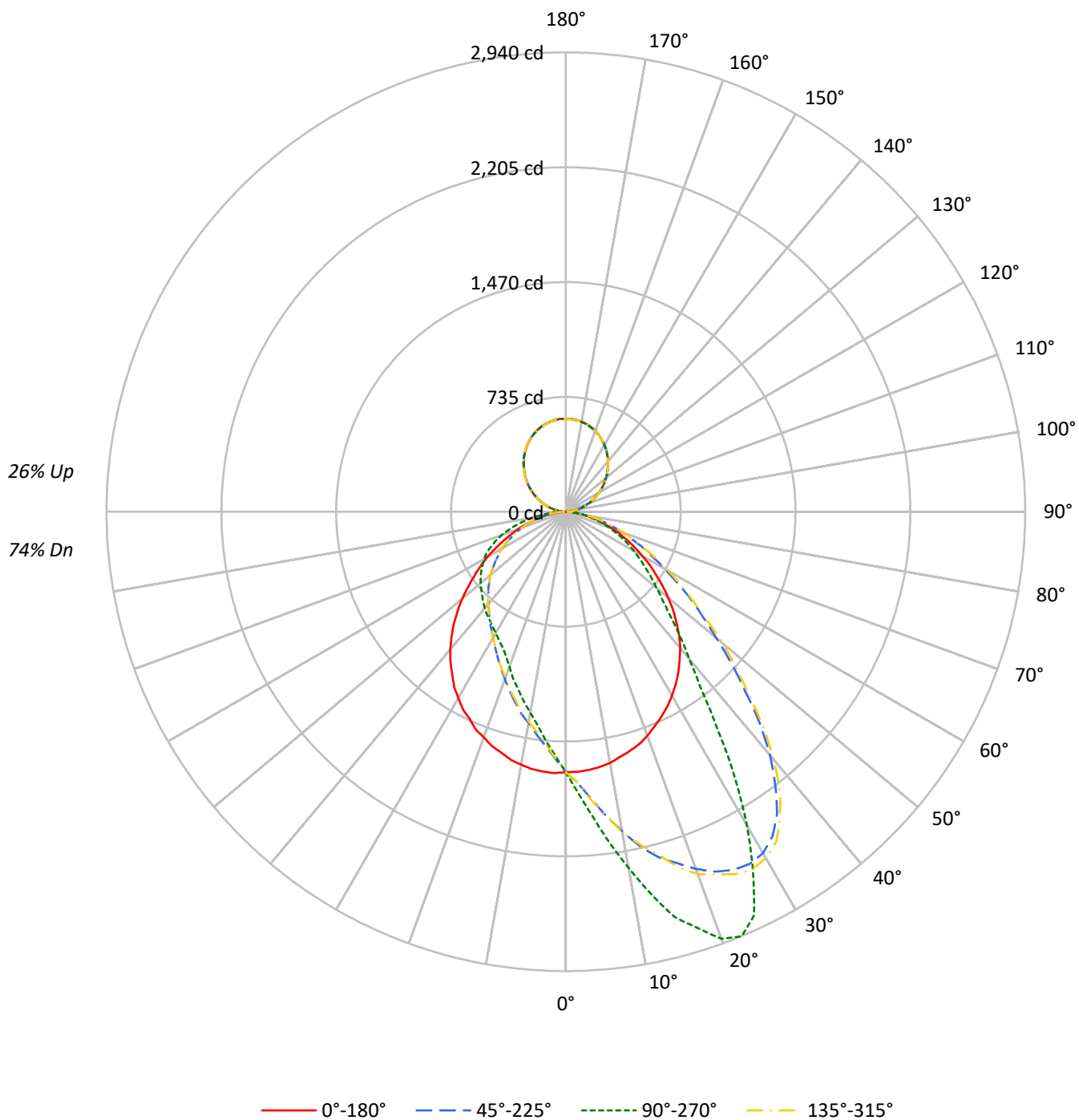
Lumens per Lamp: N/A
Luminaire Lumens: 6249.0 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 60
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	113	113	113	113	107	107	107	107	96	96	96	87	87	87	78	78	78	74		
1	103	99	95	92	98	94	91	88	85	83	80	77	75	73	69	68	66	63		
2	94	87	81	75	89	83	77	73	75	71	67	68	65	62	61	59	56	53		
3	86	77	69	63	82	73	67	61	67	61	57	60	56	53	55	51	48	45		
4	79	68	60	54	75	65	58	52	59	53	49	54	49	45	49	45	42	39		
5	73	61	53	47	69	58	51	45	53	47	42	49	44	40	44	40	37	34		
6	67	55	47	41	64	53	45	40	48	42	37	44	39	35	40	36	33	30		
7	63	50	42	36	59	48	40	35	44	38	33	40	35	31	37	33	29	27		
8	58	46	38	32	55	44	36	31	40	34	30	37	32	28	34	30	26	24		
9	54	42	34	29	52	40	33	28	37	31	27	34	29	25	32	27	24	22		
10	51	38	31	26	48	37	30	25	34	28	24	32	27	23	29	25	22	20		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13585	13585	13585	13585
5°	13550	15585	13630	11711
10°	13449	18182	13551	10274
15°	13288	20961	13380	9193
20°	13115	22729	13211	8242
25°	12865	22470	12988	7541
30°	12619	18571	12773	7179
35°	12274	13839	12409	6960
40°	11872	10425	11987	6852
45°	11259	8368	11398	6706
50°	10525	7050	10678	6638
55°	9662	6135	9815	6560
60°	8824	5403	9084	6451
65°	8038	4649	8115	6182
70°	7112	3825	7266	5692
75°	6204	2939	6164	4836
80°	4882	1931	4824	3672
85°	3216	868	3013	2140

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 17565 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.1	2.6
10°-20°	500.4	8.0
20°-30°	795.0	12.7
30°-40°	883.4	14.1
40°-50°	803.4	12.9
50°-60°	656.5	10.5
60°-70°	468.6	7.5
70°-80°	257.9	4.1
80°-90°	70.9	1.1
90°-100°	38.8	0.6
100°-110°	116.2	1.9
110°-120°	197.3	3.2
120°-130°	260.2	4.2
130°-140°	292.3	4.7
140°-150°	287.3	4.6
150°-160°	241.6	3.9
160°-170°	160.8	2.6
170°-180°	56.3	0.9
0°-30°	1457.6	23.3
0°-40°	2341.0	37.5
0°-60°	3800.8	60.8
0°-90°	4598.3	73.6
90°-120°	352.3	5.6
90°-150°	1192.1	19.1
90°-180°	1651.0	26.4
0°-180°	6249.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1666	1666	1666	1666	1666	
5°	1659	1954	1669	1469	1659	157
15°	1584	2684	1596	1177	1584	447
25°	1446	2850	1460	956	1446	667
35°	1255	1685	1268	848	1255	784
45°	1001	946	1013	758	1001	772
55°	704	618	715	661	704	633
65°	439	398	443	529	439	433
75°	215	199	214	327	215	226
85°	44	41	41	102	44	51
90°	1	14	1	14	1	5
95°	28	36	28	36	28	30
105°	107	112	107	112	107	114
115°	201	199	201	199	201	198
125°	292	290	292	290	292	260
135°	377	377	377	377	377	292
145°	458	458	458	458	458	287
155°	524	524	524	524	524	241
165°	571	570	571	570	571	161
175°	594	591	594	591	594	56
180°	595	595	595	595	595	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9
2.5°	1665.9	1682.5	1689.4	1694.9	1712.9	1718.4	1719.8	1728.0	1734.9	1736.3	1736.3
5°	1659.0	1685.2	1706.0	1725.3	1754.3	1766.7	1781.9	1798.4	1820.5	1834.3	1841.2
7.5°	1648.0	1686.6	1718.4	1751.5	1791.5	1816.4	1830.2	1874.3	1904.7	1929.5	1959.9
10°	1631.4	1681.1	1726.7	1775.0	1831.6	1861.9	1892.3	1946.1	1988.9	2037.2	2075.9
12.5°	1606.6	1671.4	1726.7	1794.3	1864.7	1900.6	1936.4	2030.3	2080.0	2122.8	2191.8
15°	1584.5	1649.4	1728.0	1797.0	1884.0	1937.8	1990.3	2051.0	2129.7	2222.2	2288.4
17.5°	1559.6	1641.1	1714.2	1810.8	1907.5	1958.5	2001.3	2095.2	2205.6	2296.7	2357.4
20°	1525.1	1608.0	1704.6	1806.7	1921.3	1961.3	2017.9	2143.5	2242.9	2332.6	2431.9
22.5°	1485.1	1581.7	1683.9	1781.9	1900.6	1984.8	2046.9	2157.3	2277.4	2380.9	2492.7
25°	1446.5	1551.4	1641.1	1775.0	1900.6	1957.2	2027.5	2158.7	2289.8	2415.4	2529.9
27.5°	1405.1	1503.1	1624.5	1730.8	1873.0	1935.1	2011.0	2154.5	2293.9	2419.5	2542.4
30°	1359.5	1464.4	1565.2	1690.8	1828.8	1908.8	1979.2	2135.2	2277.4	2408.5	2523.0
32.5°	1308.4	1407.8	1515.5	1634.2	1779.1	1860.5	1948.9	2109.0	2260.8	2374.0	2462.3
35°	1254.6	1355.4	1449.2	1570.7	1719.8	1801.2	1886.8	2063.4	2213.9	2306.3	2357.4
37.5°	1195.3	1290.5	1383.0	1503.1	1652.1	1739.1	1826.0	1997.2	2139.3	2216.6	2202.8
40°	1138.7	1224.3	1309.8	1423.0	1579.0	1671.4	1747.4	1919.9	2044.1	2077.2	2031.7
42.5°	1073.8	1147.0	1229.8	1345.7	1497.5	1584.5	1679.7	1837.1	1929.5	1915.7	1838.5
45°	1000.7	1065.5	1148.3	1257.4	1412.0	1501.7	1581.7	1730.8	1798.4	1763.9	1623.1
47.5°	930.3	993.8	1061.4	1170.4	1320.9	1396.8	1478.2	1612.1	1650.7	1577.6	1436.8
50°	854.4	906.8	977.2	1080.7	1221.5	1301.5	1369.2	1476.8	1490.6	1400.9	1254.6
52.5°	781.2	825.4	893.0	995.1	1126.3	1189.7	1256.0	1351.2	1340.2	1247.7	1106.9
55°	703.9	745.3	807.4	901.3	1017.2	1078.0	1134.5	1218.7	1195.3	1100.0	977.2
57.5°	639.0	668.0	728.8	815.7	910.9	977.2	1025.5	1091.8	1055.9	960.6	846.1
60°	564.5	600.4	651.5	721.9	815.7	859.9	902.7	946.8	922.0	830.9	728.8
62.5°	496.9	524.5	568.7	636.3	709.4	749.5	795.0	822.6	797.8	713.6	628.0
65°	438.9	461.0	495.5	550.7	621.1	654.2	680.4	706.7	686.0	607.3	545.2
67.5°	375.4	394.7	423.7	467.9	527.2	550.7	575.6	593.5	570.0	517.6	456.9
70°	318.8	332.6	360.2	393.4	434.8	456.9	477.6	495.5	474.8	430.6	385.1
72.5°	260.9	271.9	296.7	320.2	357.5	372.7	387.8	401.6	394.7	353.3	316.1
75°	215.3	219.5	236.0	255.3	278.8	295.4	306.4	314.7	309.2	276.0	252.6
77.5°	162.9	168.4	180.8	196.0	216.7	226.4	233.3	241.5	234.6	208.4	191.9
80°	118.7	120.1	127.0	140.8	154.6	156.0	162.9	173.9	169.8	151.8	139.4
82.5°	75.9	80.1	82.8	91.1	100.8	103.5	107.7	110.4	109.0	98.0	93.9
85°	44.2	44.2	46.9	52.4	55.2	59.3	60.7	62.1	64.9	58.0	53.8
87.5°	19.3	20.7	20.7	22.1	24.8	24.8	26.2	27.6	29.0	27.6	23.5
90°	1.4	2.5	3.6	4.7	5.8	6.4	6.8	7.6	8.5	9.3	10.1
92.5°	12.0	13.3	14.6	15.9	17.2	17.9	18.2	18.7	19.2	19.7	20.2
95°	27.6	28.5	29.4	30.3	31.2	31.7	32.1	32.8	33.5	34.3	35.0
97.5°	44.2	45.0	45.8	46.7	47.5	47.9	48.3	49.1	49.9	50.7	51.5
100°	64.4	64.8	65.2	65.7	66.1	66.3	66.8	67.7	68.6	69.5	70.4
102.5°	85.6	85.7	85.8	85.9	86.0	86.0	86.4	87.2	88.1	88.9	89.7
105°	107.2	107.3	107.4	107.5	107.6	107.7	107.9	108.3	108.7	109.1	109.5
107.5°	129.8	129.9	130.0	130.1	130.2	130.2	130.3	130.4	130.5	130.6	130.7
110°	152.8	153.0	153.2	153.4	153.6	153.7	153.6	153.5	153.4	153.3	153.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	176.7	176.7	176.7	176.7	176.7	176.7	176.6	176.4	176.2	176.0	175.8
115°	200.6	200.6	200.6	200.6	200.6	200.6	200.5	200.3	200.1	199.9	199.7
117.5°	223.2	223.2	223.2	223.2	223.2	223.2	223.1	223.0	222.9	222.8	222.7
120°	245.7	246.1	246.5	246.9	247.3	247.5	247.4	247.1	246.8	246.5	246.2
122.5°	269.2	269.3	269.4	269.5	269.6	269.6	269.6	269.5	269.4	269.3	269.2
125°	292.2	292.2	292.2	292.2	292.2	292.2	292.1	292.0	291.9	291.8	291.7
127.5°	312.9	313.2	313.5	313.8	314.1	314.3	314.2	314.0	313.7	313.5	313.3
130°	335.0	335.3	335.6	335.9	336.2	336.3	336.3	336.3	336.3	336.3	336.3
132.5°	357.5	357.7	357.9	358.1	358.3	358.4	358.4	358.3	358.2	358.1	358.0
135°	376.8	377.4	378.0	378.7	379.3	379.6	379.6	379.6	379.6	379.6	379.6
137.5°	398.5	398.8	399.1	399.4	399.7	399.8	399.9	400.1	400.4	400.6	400.8
140°	420.1	420.3	420.5	420.7	420.9	421.0	421.0	421.0	421.0	421.0	421.0
142.5°	439.9	440.1	440.3	440.5	440.7	440.8	440.7	440.6	440.5	440.4	440.3
145°	457.8	458.2	458.6	459.1	459.5	459.7	459.7	459.8	459.9	460.0	460.1
147.5°	476.2	476.7	477.2	477.7	478.2	478.5	478.5	478.4	478.3	478.2	478.1
150°	492.8	493.2	493.6	494.0	494.4	494.6	494.6	494.6	494.6	494.6	494.6
152.5°	508.4	508.6	508.8	509.1	509.3	509.4	509.4	509.5	509.6	509.7	509.8
155°	524.5	524.5	524.5	524.5	524.5	524.5	524.5	524.4	524.3	524.2	524.1
157.5°	538.3	538.1	537.9	537.7	537.5	537.4	537.4	537.4	537.4	537.4	537.4
160°	550.3	550.2	550.1	550.0	549.9	549.8	549.8	549.7	549.6	549.5	549.4
162.5°	561.3	561.0	560.7	560.4	560.1	560.0	559.9	559.8	559.7	559.6	559.5
165°	571.0	570.7	570.4	570.1	569.8	569.6	569.5	569.3	569.1	568.9	568.7
167.5°	578.8	578.4	578.0	577.6	577.2	577.0	577.0	577.0	577.0	577.0	577.0
170°	585.3	584.8	584.3	583.8	583.3	583.0	583.0	583.1	583.2	583.3	583.4
172.5°	589.9	589.5	589.1	588.6	588.2	588.0	588.0	588.0	588.0	588.0	588.0
175°	594.0	593.5	593.0	592.5	592.0	591.7	591.7	591.6	591.5	591.4	591.3
177.5°	595.9	595.4	594.9	594.4	593.9	593.6	593.6	593.6	593.6	593.6	593.6
180°	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9
2.5°	1740.5	1765.3	1776.3	1779.1	1794.3	1784.6	1788.8	1787.4	1798.4	1799.8	1799.8
5°	1867.4	1896.4	1906.1	1919.9	1940.6	1946.1	1942.0	1950.3	1965.4	1954.4	1971.0
7.5°	2001.3	2033.1	2055.1	2085.5	2092.4	2110.4	2121.4	2131.1	2133.8	2135.2	2138.0
10°	2125.5	2165.6	2195.9	2247.0	2258.0	2267.7	2316.0	2296.7	2321.5	2313.2	2316.0
12.5°	2226.3	2305.0	2329.8	2415.4	2423.7	2456.8	2454.0	2484.4	2489.9	2501.0	2489.9
15°	2358.8	2449.9	2489.9	2538.2	2565.8	2604.5	2611.4	2652.8	2669.3	2684.5	2669.3
17.5°	2480.3	2528.6	2630.7	2669.3	2687.3	2708.0	2760.4	2775.6	2800.5	2790.8	2818.4
20°	2541.0	2610.0	2717.7	2783.9	2811.5	2830.8	2875.0	2898.5	2908.1	2908.1	2910.9
22.5°	2594.8	2694.2	2774.2	2850.2	2875.0	2888.8	2915.0	2933.0	2937.1	2939.9	2942.6
25°	2643.1	2732.8	2797.7	2840.5	2850.2	2850.2	2865.3	2854.3	2836.4	2850.2	2858.4
27.5°	2643.1	2706.6	2735.6	2750.8	2750.8	2713.5	2691.4	2645.9	2607.2	2596.2	2621.0
30°	2599.0	2627.9	2587.9	2550.6	2521.7	2496.8	2409.9	2340.9	2327.1	2317.4	2354.7
32.5°	2496.8	2459.6	2380.9	2273.2	2230.4	2173.8	2106.2	2053.8	2022.0	2011.0	2002.7
35°	2316.0	2219.4	2117.3	1972.3	1942.0	1870.2	1777.7	1739.1	1686.6	1685.2	1703.2
37.5°	2118.6	1969.6	1859.2	1721.1	1678.3	1602.4	1515.5	1475.5	1439.6	1412.0	1445.1
40°	1888.1	1758.4	1590.0	1476.8	1416.1	1376.1	1302.9	1258.8	1242.2	1228.4	1249.1
42.5°	1672.8	1530.7	1399.5	1283.6	1233.9	1188.4	1140.1	1097.3	1084.9	1083.5	1098.7
45°	1458.9	1319.5	1198.0	1098.7	1066.9	1039.3	992.4	980.0	959.3	945.5	952.4
47.5°	1287.7	1144.2	1043.4	967.5	939.9	916.5	886.1	865.4	847.5	841.9	850.2
50°	1119.4	1022.7	919.2	855.7	835.0	812.9	789.5	770.2	761.9	756.4	761.9
52.5°	984.1	880.6	810.2	759.1	738.4	721.9	705.3	697.0	686.0	688.7	694.3
55°	862.6	771.5	712.2	674.9	662.5	655.6	634.9	625.2	621.1	618.3	621.1
57.5°	748.1	681.8	637.7	605.9	589.4	585.2	568.7	568.7	564.5	560.4	561.7
60°	657.0	600.4	557.6	532.8	530.0	523.1	512.1	510.7	501.0	505.2	506.5
62.5°	564.5	519.0	490.0	474.8	465.1	462.4	455.5	454.1	450.0	451.3	448.6
65°	491.4	454.1	425.1	412.7	408.5	407.2	401.6	397.5	394.7	397.5	394.7
67.5°	418.2	393.4	371.3	358.9	353.3	352.0	347.8	345.1	346.4	342.3	345.1
70°	349.2	324.4	310.5	303.6	300.9	296.7	296.7	296.7	296.7	294.0	292.6
72.5°	294.0	269.1	259.5	255.3	252.6	251.2	247.1	248.4	247.1	245.7	251.2
75°	233.3	218.1	208.4	204.3	207.0	202.9	198.8	201.5	197.4	198.8	204.3
77.5°	176.7	169.8	164.2	161.5	158.7	156.0	156.0	153.2	153.2	153.2	153.2
80°	128.4	127.0	117.3	115.9	115.9	113.2	113.2	113.2	113.2	111.8	113.2
82.5°	85.6	84.2	81.4	80.1	77.3	78.7	78.7	75.9	75.9	74.5	75.9
85°	49.7	49.7	46.9	45.5	44.2	45.5	42.8	41.4	42.8	41.4	42.8
87.5°	23.5	20.7	22.1	20.7	17.9	19.3	16.6	17.9	16.6	15.2	17.9
90°	10.7	11.3	12.0	12.6	12.9	13.0	13.2	13.4	13.6	13.8	13.6
92.5°	20.5	20.8	21.1	21.4	21.6	21.7	21.8	21.9	22.0	22.1	22.0
95°	35.3	35.6	35.9	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3
97.5°	51.9	52.3	52.8	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4
100°	70.6	70.8	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
102.5°	90.0	90.3	90.6	90.9	91.1	91.2	91.3	91.4	91.5	91.6	91.5
105°	109.8	110.1	110.4	110.7	110.9	111.1	111.4	111.7	112.0	112.3	112.0
107.5°	131.1	131.5	131.9	132.3	132.5	132.5	132.4	132.3	132.2	132.1	132.2
110°	153.0	152.8	152.6	152.4	152.3	152.5	152.8	153.1	153.4	153.7	153.4

TEST NUMBER: P1033189

CATALOG NUMBER: S124DIW-B1020D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8
115°	199.6	199.5	199.4	199.3	199.2	199.2	199.1	199.0	198.9	198.8	198.9
117.5°	222.4	222.1	221.8	221.5	221.3	221.1	220.8	220.5	220.2	219.9	220.2
120°	245.7	245.2	244.7	244.2	243.9	244.0	244.2	244.4	244.6	244.8	244.6
122.5°	268.9	268.6	268.3	268.0	267.8	267.5	267.0	266.5	266.0	265.5	266.0
125°	291.5	291.3	291.1	290.9	290.8	290.7	290.5	290.3	290.1	289.9	290.1
127.5°	313.1	312.9	312.7	312.5	312.4	312.4	312.3	312.2	312.1	312.0	312.1
130°	336.1	335.9	335.7	335.5	335.4	335.2	334.8	334.4	334.0	333.6	334.0
132.5°	357.8	357.6	357.4	357.2	357.1	357.0	356.9	356.8	356.7	356.6	356.7
135°	379.4	379.2	379.0	378.8	378.7	378.5	378.2	377.9	377.6	377.3	377.6
137.5°	400.5	400.2	399.9	399.6	399.4	399.4	399.5	399.6	399.7	399.8	399.7
140°	420.9	420.8	420.7	420.6	420.6	420.5	420.4	420.3	420.2	420.1	420.2
142.5°	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3
145°	460.0	459.9	459.8	459.7	459.7	459.5	459.2	458.9	458.6	458.3	458.6
147.5°	478.0	477.9	477.8	477.7	477.6	477.5	477.4	477.3	477.2	477.1	477.2
150°	494.6	494.6	494.6	494.6	494.6	494.6	494.5	494.4	494.3	494.2	494.3
152.5°	510.1	510.4	510.7	511.0	511.2	511.0	510.7	510.4	510.1	509.8	510.1
155°	524.5	524.9	525.3	525.7	525.9	525.7	525.3	524.9	524.5	524.1	524.5
157.5°	537.7	538.0	538.3	538.6	538.8	538.6	538.3	538.0	537.7	537.4	537.7
160°	549.7	550.0	550.3	550.6	550.8	550.5	550.0	549.5	549.0	548.5	549.0
162.5°	560.1	560.7	561.4	562.0	562.3	562.0	561.5	561.0	560.5	560.0	560.5
165°	569.3	569.9	570.6	571.2	571.5	571.3	570.9	570.4	570.0	569.6	570.0
167.5°	577.6	578.2	578.9	579.5	579.8	579.5	578.9	578.2	577.6	577.0	577.6
170°	584.0	584.6	585.3	585.9	586.2	585.8	585.1	584.4	583.7	583.0	583.7
172.5°	588.7	589.5	590.2	590.9	591.3	590.9	590.2	589.5	588.7	588.0	588.7
175°	592.0	592.7	593.4	594.1	594.5	594.1	593.4	592.7	592.0	591.3	592.0
177.5°	594.3	595.0	595.7	596.4	596.8	596.4	595.6	594.7	593.9	593.1	593.9
180°	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9

TEST NUMBER: P1033189

CATALOG NUMBER: S124DIW-B1020D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9
2.5°	1797.0	1792.9	1787.4	1787.4	1780.5	1780.5	1769.4	1750.1	1733.6	1728.0	1730.8
5°	1950.3	1951.6	1943.3	1936.4	1924.0	1914.4	1896.4	1861.9	1850.9	1828.8	1813.6
7.5°	2125.5	2120.0	2104.8	2093.8	2091.0	2068.9	2030.3	1988.9	1955.8	1933.7	1901.9
10°	2322.9	2300.8	2278.7	2271.8	2255.3	2218.0	2173.8	2128.3	2082.8	2034.4	1980.6
12.5°	2488.5	2445.7	2444.4	2427.8	2396.1	2375.4	2322.9	2258.0	2179.4	2125.5	2064.8
15°	2666.6	2626.6	2593.4	2563.1	2547.9	2487.2	2443.0	2361.6	2267.7	2209.7	2168.3
17.5°	2793.6	2775.6	2719.0	2705.2	2684.5	2614.1	2543.7	2463.7	2382.3	2300.8	2189.0
20°	2895.7	2884.7	2847.4	2828.1	2794.9	2739.7	2654.2	2561.7	2467.8	2351.9	2247.0
22.5°	2939.9	2926.1	2895.7	2879.1	2858.4	2811.5	2738.4	2633.5	2510.6	2407.1	2295.3
25°	2852.9	2877.8	2869.5	2862.6	2854.3	2826.7	2771.5	2679.0	2558.9	2441.6	2302.2
27.5°	2656.9	2699.7	2741.1	2746.6	2760.4	2771.5	2749.4	2683.1	2582.4	2458.2	2305.0
30°	2393.3	2412.6	2496.8	2521.7	2541.0	2611.4	2652.8	2636.2	2558.9	2447.1	2306.3
32.5°	2055.1	2106.2	2191.8	2251.1	2303.6	2382.3	2489.9	2532.7	2505.1	2414.0	2274.6
35°	1734.9	1795.7	1895.0	1971.0	2023.4	2135.2	2262.2	2354.7	2389.2	2343.6	2219.4
37.5°	1472.7	1545.8	1634.2	1663.2	1723.9	1861.9	2037.2	2165.6	2249.8	2253.9	2157.3
40°	1275.3	1312.6	1383.0	1427.1	1486.5	1602.4	1773.6	1943.3	2070.3	2113.1	2062.0
42.5°	1108.3	1137.3	1189.7	1243.6	1297.4	1385.7	1543.1	1701.8	1873.0	1958.5	1957.2
45°	975.8	1006.2	1042.1	1086.2	1123.5	1218.7	1343.0	1505.8	1653.5	1786.0	1819.1
47.5°	859.9	886.1	930.3	949.6	974.4	1064.1	1171.8	1323.6	1476.8	1628.7	1667.3
50°	774.3	796.4	826.8	839.2	866.8	933.0	1021.4	1144.2	1314.0	1453.4	1525.1
52.5°	697.0	713.6	737.0	746.7	766.0	815.7	895.8	992.4	1133.2	1276.7	1377.5
55°	630.8	641.8	658.4	669.4	683.2	727.4	786.7	873.7	995.1	1119.4	1217.4
57.5°	568.7	576.9	593.5	599.0	610.1	644.6	686.0	759.1	870.9	981.3	1076.6
60°	510.7	516.2	525.9	538.3	546.6	570.0	608.7	669.4	759.1	859.9	937.2
62.5°	455.5	463.8	466.5	472.0	478.9	501.0	531.4	575.6	654.2	737.0	818.5
65°	398.9	405.8	411.3	412.7	419.6	436.1	463.8	502.4	553.5	625.2	701.2
67.5°	346.4	350.6	353.3	358.9	365.8	374.0	396.1	425.1	472.0	530.0	590.7
70°	298.1	298.1	302.3	303.6	311.9	321.6	331.3	358.9	400.3	447.2	488.6
72.5°	245.7	252.6	251.2	258.1	256.7	263.6	276.0	294.0	324.4	361.6	401.6
75°	200.1	204.3	204.3	204.3	207.0	212.6	219.5	236.0	259.5	289.8	313.3
77.5°	156.0	158.7	158.7	158.7	160.1	165.6	172.5	183.6	200.1	218.1	231.9
80°	111.8	114.6	114.6	117.3	117.3	118.7	125.6	131.1	139.4	153.2	167.0
82.5°	75.9	77.3	80.1	80.1	78.7	81.4	82.8	88.3	96.6	99.4	109.0
85°	41.4	42.8	44.2	44.2	45.5	48.3	46.9	52.4	52.4	58.0	60.7
87.5°	16.6	19.3	19.3	17.9	19.3	19.3	19.3	22.1	23.5	24.8	23.5
90°	13.4	13.2	13.0	12.9	12.6	12.0	11.3	10.7	10.1	9.3	8.5
92.5°	21.9	21.8	21.7	21.6	21.4	21.1	20.8	20.5	20.2	19.7	19.2
95°	36.3	36.3	36.3	36.3	36.2	35.9	35.6	35.3	35.0	34.3	33.5
97.5°	53.4	53.4	53.4	53.4	53.2	52.8	52.3	51.9	51.5	50.7	49.9
100°	71.3	71.3	71.3	71.3	71.2	71.0	70.8	70.6	70.4	69.5	68.6
102.5°	91.4	91.3	91.2	91.1	90.9	90.6	90.3	90.0	89.7	88.9	88.1
105°	111.7	111.4	111.1	110.9	110.7	110.4	110.1	109.8	109.5	109.1	108.7
107.5°	132.3	132.4	132.5	132.5	132.3	131.9	131.5	131.1	130.7	130.6	130.5
110°	153.1	152.8	152.5	152.3	152.4	152.6	152.8	153.0	153.2	153.3	153.4

TEST NUMBER: P1033189

CATALOG NUMBER: S124DIW-B1020D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8	176.0	176.2
115°	199.0	199.1	199.2	199.2	199.3	199.4	199.5	199.6	199.7	199.9	200.1
117.5°	220.5	220.8	221.1	221.3	221.5	221.8	222.1	222.4	222.7	222.8	222.9
120°	244.4	244.2	244.0	243.9	244.2	244.7	245.2	245.7	246.2	246.5	246.8
122.5°	266.5	267.0	267.5	267.8	268.0	268.3	268.6	268.9	269.2	269.3	269.4
125°	290.3	290.5	290.7	290.8	290.9	291.1	291.3	291.5	291.7	291.8	291.9
127.5°	312.2	312.3	312.4	312.4	312.5	312.7	312.9	313.1	313.3	313.5	313.7
130°	334.4	334.8	335.2	335.4	335.5	335.7	335.9	336.1	336.3	336.3	336.3
132.5°	356.8	356.9	357.0	357.1	357.2	357.4	357.6	357.8	358.0	358.1	358.2
135°	377.9	378.2	378.5	378.7	378.8	379.0	379.2	379.4	379.6	379.6	379.6
137.5°	399.6	399.5	399.4	399.4	399.6	399.9	400.2	400.5	400.8	400.6	400.4
140°	420.3	420.4	420.5	420.6	420.6	420.7	420.8	420.9	421.0	421.0	421.0
142.5°	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.4	440.5
145°	458.9	459.2	459.5	459.7	459.7	459.8	459.9	460.0	460.1	460.0	459.9
147.5°	477.3	477.4	477.5	477.6	477.7	477.8	477.9	478.0	478.1	478.2	478.3
150°	494.4	494.5	494.6	494.6	494.6	494.6	494.6	494.6	494.6	494.6	494.6
152.5°	510.4	510.7	511.0	511.2	511.0	510.7	510.4	510.1	509.8	509.7	509.6
155°	524.9	525.3	525.7	525.9	525.7	525.3	524.9	524.5	524.1	524.2	524.3
157.5°	538.0	538.3	538.6	538.8	538.6	538.3	538.0	537.7	537.4	537.4	537.4
160°	549.5	550.0	550.5	550.8	550.6	550.3	550.0	549.7	549.4	549.5	549.6
162.5°	561.0	561.5	562.0	562.3	562.0	561.4	560.7	560.1	559.5	559.6	559.7
165°	570.4	570.9	571.3	571.5	571.2	570.6	569.9	569.3	568.7	568.9	569.1
167.5°	578.2	578.9	579.5	579.8	579.5	578.9	578.2	577.6	577.0	577.0	577.0
170°	584.4	585.1	585.8	586.2	585.9	585.3	584.6	584.0	583.4	583.3	583.2
172.5°	589.5	590.2	590.9	591.3	590.9	590.2	589.5	588.7	588.0	588.0	588.0
175°	592.7	593.4	594.1	594.5	594.1	593.4	592.7	592.0	591.3	591.4	591.5
177.5°	594.7	595.6	596.4	596.8	596.4	595.7	595.0	594.3	593.6	593.6	593.6
180°	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9

TEST NUMBER: P1033189

CATALOG NUMBER: S124DIW-B1020D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9
2.5°	1718.4	1712.9	1708.7	1708.7	1696.3	1683.9	1677.0	1674.2	1671.4	1660.4	1645.2
5°	1788.8	1770.8	1758.4	1746.0	1725.3	1703.2	1681.1	1668.7	1650.7	1625.9	1608.0
7.5°	1867.4	1824.7	1810.8	1795.7	1754.3	1717.0	1686.6	1660.4	1631.4	1599.7	1567.9
10°	1933.7	1888.1	1857.8	1831.6	1777.7	1728.0	1682.5	1643.8	1606.6	1565.2	1526.5
12.5°	1997.2	1932.3	1900.6	1861.9	1805.3	1733.6	1674.2	1625.9	1570.7	1527.9	1481.0
15°	2085.5	1976.5	1924.0	1899.2	1823.3	1739.1	1667.3	1595.5	1550.0	1485.1	1443.7
17.5°	2099.3	2011.0	1976.5	1913.0	1821.9	1726.7	1643.8	1572.1	1503.1	1445.1	1391.3
20°	2147.6	2031.7	1976.5	1936.4	1816.4	1719.8	1628.7	1536.2	1469.9	1407.8	1347.1
22.5°	2178.0	2046.9	1988.9	1925.4	1810.8	1694.9	1587.3	1507.2	1425.8	1362.3	1314.0
25°	2169.7	2038.6	1973.7	1914.4	1775.0	1659.0	1562.4	1460.3	1384.4	1315.3	1251.9
27.5°	2165.6	2017.9	1948.9	1882.6	1751.5	1630.0	1508.6	1425.8	1341.6	1261.5	1214.6
30°	2154.5	1991.7	1911.6	1839.8	1703.2	1576.2	1472.7	1376.1	1291.9	1218.7	1156.6
32.5°	2117.3	1947.5	1870.2	1792.9	1650.7	1523.8	1418.9	1329.2	1245.0	1169.0	1109.7
35°	2067.6	1895.0	1810.8	1729.4	1587.3	1458.9	1362.3	1268.4	1189.7	1116.6	1060.0
37.5°	2017.9	1834.3	1755.6	1661.8	1530.7	1396.8	1297.4	1213.2	1140.1	1064.1	1002.0
40°	1946.1	1762.5	1675.6	1595.5	1442.3	1316.7	1225.6	1149.7	1078.0	1006.2	953.7
42.5°	1848.1	1683.9	1594.2	1505.8	1362.3	1238.1	1149.7	1082.1	1014.5	955.1	897.1
45°	1748.7	1588.6	1508.6	1429.9	1273.9	1156.6	1075.2	1013.1	956.5	891.6	844.7
47.5°	1628.7	1493.4	1413.3	1336.1	1188.4	1071.1	996.5	938.5	886.1	832.3	788.1
50°	1505.8	1388.5	1315.3	1235.3	1094.5	988.2	915.1	866.8	824.0	772.9	737.0
52.5°	1373.3	1271.2	1209.1	1131.8	1007.6	909.6	835.0	786.7	750.8	713.6	681.8
55°	1232.5	1158.0	1091.8	1029.6	912.3	824.0	757.7	715.0	690.1	655.6	628.0
57.5°	1105.6	1033.8	993.8	923.4	821.2	734.3	681.8	645.9	617.0	596.3	574.2
60°	973.1	915.1	870.9	819.9	730.1	657.0	601.8	581.1	550.7	535.5	525.9
62.5°	846.1	804.7	763.3	724.6	644.6	575.6	534.1	507.9	490.0	474.8	466.5
65°	726.0	687.3	658.4	623.9	557.6	502.4	463.8	443.1	425.1	421.0	411.3
67.5°	608.7	592.1	560.4	532.8	476.2	433.4	404.4	378.2	368.5	364.4	356.1
70°	509.3	490.0	465.1	441.7	398.9	361.6	335.4	325.7	311.9	310.5	300.9
72.5°	419.6	396.1	378.2	360.2	328.5	295.4	281.6	267.8	260.9	255.3	251.2
75°	332.6	316.1	303.6	288.5	260.9	238.8	219.5	213.9	209.8	208.4	205.7
77.5°	248.4	237.4	231.9	216.7	197.4	178.0	169.8	161.5	161.5	158.7	160.1
80°	176.7	169.8	162.9	154.6	138.0	129.7	122.8	117.3	114.6	113.2	114.6
82.5°	111.8	107.7	106.3	100.8	89.7	85.6	80.1	75.9	75.9	75.9	75.9
85°	62.1	62.1	62.1	53.8	49.7	45.5	42.8	41.4	41.4	41.4	42.8
87.5°	26.2	26.2	22.1	22.1	20.7	17.9	16.6	16.6	17.9	17.9	19.3
90°	7.6	6.8	6.4	5.8	4.7	3.6	2.5	1.4	2.5	3.6	4.7
92.5°	18.7	18.2	17.9	17.2	15.9	14.6	13.3	12.0	13.3	14.6	15.9
95°	32.8	32.1	31.7	31.2	30.3	29.4	28.5	27.6	28.5	29.4	30.3
97.5°	49.1	48.3	47.9	47.5	46.7	45.8	45.0	44.2	45.0	45.8	46.7
100°	67.7	66.8	66.3	66.1	65.7	65.2	64.8	64.4	64.8	65.2	65.7
102.5°	87.2	86.4	86.0	86.0	85.9	85.8	85.7	85.6	85.7	85.8	85.9
105°	108.3	107.9	107.7	107.6	107.5	107.4	107.3	107.2	107.3	107.4	107.5
107.5°	130.4	130.3	130.2	130.2	130.1	130.0	129.9	129.8	129.9	130.0	130.1
110°	153.5	153.6	153.7	153.6	153.4	153.2	153.0	152.8	153.0	153.2	153.4

TEST NUMBER: P1033189

CATALOG NUMBER: S124DIW-B1020D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	176.4	176.6	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7
115°	200.3	200.5	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6
117.5°	223.0	223.1	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2
120°	247.1	247.4	247.5	247.3	246.9	246.5	246.1	245.7	246.1	246.5	246.9
122.5°	269.5	269.6	269.6	269.6	269.5	269.4	269.3	269.2	269.3	269.4	269.5
125°	292.0	292.1	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2	292.2
127.5°	314.0	314.2	314.3	314.1	313.8	313.5	313.2	312.9	313.2	313.5	313.8
130°	336.3	336.3	336.3	336.2	335.9	335.6	335.3	335.0	335.3	335.6	335.9
132.5°	358.3	358.4	358.4	358.3	358.1	357.9	357.7	357.5	357.7	357.9	358.1
135°	379.6	379.6	379.6	379.3	378.7	378.0	377.4	376.8	377.4	378.0	378.7
137.5°	400.1	399.9	399.8	399.7	399.4	399.1	398.8	398.5	398.8	399.1	399.4
140°	421.0	421.0	421.0	420.9	420.7	420.5	420.3	420.1	420.3	420.5	420.7
142.5°	440.6	440.7	440.8	440.7	440.5	440.3	440.1	439.9	440.1	440.3	440.5
145°	459.8	459.7	459.7	459.5	459.1	458.6	458.2	457.8	458.2	458.6	459.1
147.5°	478.4	478.5	478.5	478.2	477.7	477.2	476.7	476.2	476.7	477.2	477.7
150°	494.6	494.6	494.6	494.4	494.0	493.6	493.2	492.8	493.2	493.6	494.0
152.5°	509.5	509.4	509.4	509.3	509.1	508.8	508.6	508.4	508.6	508.8	509.1
155°	524.4	524.5	524.5	524.5	524.5	524.5	524.5	524.5	524.5	524.5	524.5
157.5°	537.4	537.4	537.4	537.5	537.7	537.9	538.1	538.3	538.1	537.9	537.7
160°	549.7	549.8	549.8	549.9	550.0	550.1	550.2	550.3	550.2	550.1	550.0
162.5°	559.8	559.9	560.0	560.1	560.4	560.7	561.0	561.3	561.0	560.7	560.4
165°	569.3	569.5	569.6	569.8	570.1	570.4	570.7	571.0	570.7	570.4	570.1
167.5°	577.0	577.0	577.0	577.2	577.6	578.0	578.4	578.8	578.4	578.0	577.6
170°	583.1	583.0	583.0	583.3	583.8	584.3	584.8	585.3	584.8	584.3	583.8
172.5°	588.0	588.0	588.0	588.2	588.6	589.1	589.5	589.9	589.5	589.1	588.6
175°	591.6	591.7	591.7	592.0	592.5	593.0	593.5	594.0	593.5	593.0	592.5
177.5°	593.6	593.6	593.6	593.9	594.4	594.9	595.4	595.9	595.4	594.9	594.4
180°	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9

TEST NUMBER: P1033189

CATALOG NUMBER: S124DIW-B1020D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9
2.5°	1641.1	1635.6	1638.3	1624.5	1612.1	1594.2	1579.0	1576.2	1573.5	1581.7	1576.2
5°	1594.2	1587.3	1580.4	1563.8	1538.9	1523.8	1501.7	1500.3	1492.0	1479.6	1482.4
7.5°	1543.1	1538.9	1529.3	1503.1	1481.0	1454.8	1436.8	1421.6	1414.7	1403.7	1399.5
10°	1501.7	1486.5	1478.2	1449.2	1423.0	1395.4	1371.9	1360.9	1348.5	1338.8	1331.9
12.5°	1445.1	1440.9	1417.5	1394.0	1371.9	1340.2	1322.3	1290.5	1273.9	1282.2	1279.5
15°	1407.8	1388.5	1383.0	1349.9	1312.6	1291.9	1258.8	1238.1	1231.2	1218.7	1203.6
17.5°	1358.1	1345.7	1326.4	1296.0	1253.2	1224.3	1200.8	1181.5	1173.2	1156.6	1144.2
20°	1311.2	1290.5	1275.3	1247.7	1206.3	1169.0	1140.1	1127.6	1106.9	1093.1	1086.2
22.5°	1268.4	1253.2	1231.2	1189.7	1153.9	1118.0	1083.5	1065.5	1046.2	1037.9	1026.9
25°	1216.0	1191.1	1175.9	1130.4	1091.8	1062.8	1031.0	1007.6	996.5	982.7	980.0
27.5°	1164.9	1141.4	1123.5	1083.5	1036.5	999.3	980.0	963.4	944.1	944.1	937.2
30°	1113.8	1097.3	1069.7	1031.0	986.9	951.0	928.9	913.7	906.8	901.3	899.9
32.5°	1062.8	1040.7	1024.1	971.7	938.5	905.4	888.9	876.4	868.2	866.8	868.2
35°	1010.3	985.5	968.9	922.0	888.9	858.5	851.6	840.6	836.4	835.0	841.9
37.5°	955.1	935.8	915.1	876.4	839.2	821.2	807.4	803.3	801.9	810.2	812.9
40°	904.0	887.5	868.2	826.8	799.1	779.8	772.9	768.8	774.3	782.6	786.7
42.5°	855.7	832.3	817.1	779.8	755.0	743.9	735.7	735.7	741.2	750.8	757.7
45°	804.7	786.7	771.5	738.4	716.3	703.9	702.5	703.9	710.8	717.7	726.0
47.5°	755.0	737.0	720.5	692.9	673.5	666.6	665.3	666.6	677.7	687.3	697.0
50°	709.4	690.1	674.9	648.7	633.5	625.2	626.6	633.5	641.8	655.6	668.0
52.5°	655.6	641.8	628.0	604.5	590.7	585.2	589.4	594.9	610.1	619.7	634.9
55°	603.2	590.7	579.7	561.7	550.7	546.6	549.3	557.6	570.0	586.6	604.5
57.5°	554.8	541.0	530.0	517.6	505.2	506.5	507.9	519.0	534.1	549.3	570.0
60°	501.0	492.7	483.1	467.9	462.4	462.4	466.5	478.9	492.7	517.6	535.5
62.5°	452.7	441.7	434.8	425.1	416.8	418.2	427.9	438.9	455.5	476.2	499.6
65°	403.0	390.6	385.1	376.8	374.0	375.4	382.3	398.9	416.8	434.8	456.9
67.5°	347.8	343.7	338.2	329.9	332.6	334.0	340.9	354.7	374.0	392.0	416.8
70°	300.9	292.6	291.2	284.3	284.3	288.5	302.3	311.9	329.9	349.2	375.4
72.5°	251.2	244.3	244.3	238.8	242.9	247.1	254.0	267.8	284.3	303.6	325.7
75°	200.1	197.4	200.1	197.4	197.4	204.3	212.6	223.6	241.5	262.2	280.2
77.5°	154.6	154.6	153.2	157.3	157.3	161.5	172.5	183.6	197.4	213.9	233.3
80°	113.2	113.2	113.2	117.3	121.5	121.5	128.4	142.2	154.6	165.6	183.6
82.5°	77.3	77.3	77.3	80.1	85.6	85.6	93.9	102.1	115.9	125.6	133.9
85°	46.9	46.9	45.5	48.3	49.7	53.8	60.7	66.3	73.2	81.4	89.7
87.5°	20.7	20.7	22.1	23.5	24.8	27.6	30.4	33.1	40.0	42.8	46.9
90°	5.8	6.4	6.8	7.6	8.5	9.3	10.1	10.7	11.3	12.0	12.6
92.5°	17.2	17.9	18.2	18.7	19.2	19.7	20.2	20.5	20.8	21.1	21.4
95°	31.2	31.7	32.1	32.8	33.5	34.3	35.0	35.3	35.6	35.9	36.2
97.5°	47.5	47.9	48.3	49.1	49.9	50.7	51.5	51.9	52.3	52.8	53.2
100°	66.1	66.3	66.8	67.7	68.6	69.5	70.4	70.6	70.8	71.0	71.2
102.5°	86.0	86.0	86.4	87.2	88.1	88.9	89.7	90.0	90.3	90.6	90.9
105°	107.6	107.7	107.9	108.3	108.7	109.1	109.5	109.8	110.1	110.4	110.7
107.5°	130.2	130.2	130.3	130.4	130.5	130.6	130.7	131.1	131.5	131.9	132.3
110°	153.6	153.7	153.6	153.5	153.4	153.3	153.2	153.0	152.8	152.6	152.4

TEST NUMBER: P1033189

CATALOG NUMBER: S124DIW-B1020D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	176.7	176.7	176.6	176.4	176.2	176.0	175.8	175.8	175.8	175.8	175.8
115°	200.6	200.6	200.5	200.3	200.1	199.9	199.7	199.6	199.5	199.4	199.3
117.5°	223.2	223.2	223.1	223.0	222.9	222.8	222.7	222.4	222.1	221.8	221.5
120°	247.3	247.5	247.4	247.1	246.8	246.5	246.2	245.7	245.2	244.7	244.2
122.5°	269.6	269.6	269.6	269.5	269.4	269.3	269.2	268.9	268.6	268.3	268.0
125°	292.2	292.2	292.1	292.0	291.9	291.8	291.7	291.5	291.3	291.1	290.9
127.5°	314.1	314.3	314.2	314.0	313.7	313.5	313.3	313.1	312.9	312.7	312.5
130°	336.2	336.3	336.3	336.3	336.3	336.3	336.3	336.1	335.9	335.7	335.5
132.5°	358.3	358.4	358.4	358.3	358.2	358.1	358.0	357.8	357.6	357.4	357.2
135°	379.3	379.6	379.6	379.6	379.6	379.6	379.6	379.4	379.2	379.0	378.8
137.5°	399.7	399.8	399.9	400.1	400.4	400.6	400.8	400.5	400.2	399.9	399.6
140°	420.9	421.0	421.0	421.0	421.0	421.0	421.0	420.9	420.8	420.7	420.6
142.5°	440.7	440.8	440.7	440.6	440.5	440.4	440.3	440.3	440.3	440.3	440.3
145°	459.5	459.7	459.7	459.8	459.9	460.0	460.1	460.0	459.9	459.8	459.7
147.5°	478.2	478.5	478.5	478.4	478.3	478.2	478.1	478.0	477.9	477.8	477.7
150°	494.4	494.6	494.6	494.6	494.6	494.6	494.6	494.6	494.6	494.6	494.6
152.5°	509.3	509.4	509.4	509.5	509.6	509.7	509.8	510.1	510.4	510.7	511.0
155°	524.5	524.5	524.5	524.4	524.3	524.2	524.1	524.5	524.9	525.3	525.7
157.5°	537.5	537.4	537.4	537.4	537.4	537.4	537.4	537.7	538.0	538.3	538.6
160°	549.9	549.8	549.8	549.7	549.6	549.5	549.4	549.7	550.0	550.3	550.6
162.5°	560.1	560.0	559.9	559.8	559.7	559.6	559.5	560.1	560.7	561.4	562.0
165°	569.8	569.6	569.5	569.3	569.1	568.9	568.7	569.3	569.9	570.6	571.2
167.5°	577.2	577.0	577.0	577.0	577.0	577.0	577.0	577.6	578.2	578.9	579.5
170°	583.3	583.0	583.0	583.1	583.2	583.3	583.4	584.0	584.6	585.3	585.9
172.5°	588.2	588.0	588.0	588.0	588.0	588.0	588.0	588.7	589.5	590.2	590.9
175°	592.0	591.7	591.7	591.6	591.5	591.4	591.3	592.0	592.7	593.4	594.1
177.5°	593.9	593.6	593.6	593.6	593.6	593.6	593.6	594.3	595.0	595.7	596.4
180°	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9

TEST NUMBER: P1033189

CATALOG NUMBER: S124DIW-B1020D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9
2.5°	1572.1	1570.7	1563.8	1566.5	1558.3	1561.0	1565.2	1566.5	1572.1	1567.9	1566.5
5°	1475.5	1472.7	1468.6	1464.4	1463.0	1468.6	1458.9	1461.7	1464.4	1468.6	1474.1
7.5°	1396.8	1395.4	1391.3	1384.4	1381.6	1378.8	1380.2	1389.9	1388.5	1387.1	1396.8
10°	1325.0	1326.4	1318.1	1316.7	1308.4	1307.1	1308.4	1311.2	1315.3	1320.9	1322.3
12.5°	1250.5	1268.4	1253.2	1247.7	1235.3	1242.2	1245.0	1232.5	1239.4	1243.6	1264.3
15°	1203.6	1195.3	1185.6	1185.6	1180.1	1177.3	1170.4	1180.1	1185.6	1193.9	1191.1
17.5°	1138.7	1124.9	1119.4	1113.8	1115.2	1120.7	1105.6	1127.6	1127.6	1131.8	1124.9
20°	1082.1	1071.1	1064.1	1061.4	1057.2	1054.5	1053.1	1058.6	1066.9	1069.7	1076.6
22.5°	1022.7	1022.7	1011.7	1007.6	1004.8	1000.7	1007.6	1003.4	1008.9	1014.5	1025.5
25°	973.1	973.1	968.9	963.4	959.3	956.5	960.6	959.3	963.4	970.3	973.1
27.5°	933.0	928.9	927.5	926.1	924.7	926.1	924.7	928.9	933.0	934.4	931.6
30°	898.5	894.4	895.8	895.8	897.1	895.8	894.4	898.5	899.9	897.1	898.5
32.5°	866.8	866.8	869.5	870.9	870.9	872.3	873.7	870.9	872.3	868.2	869.5
35°	840.6	843.3	846.1	847.5	848.8	847.5	850.2	848.8	846.1	843.3	841.9
37.5°	814.3	817.1	822.6	824.0	828.1	829.5	826.8	826.8	825.4	819.9	817.1
40°	786.7	789.5	796.4	800.5	803.3	807.4	804.7	804.7	799.1	793.6	789.5
42.5°	760.5	766.0	772.9	777.1	782.6	782.6	782.6	779.8	772.9	767.4	763.3
45°	734.3	735.7	745.3	752.2	757.7	757.7	757.7	753.6	749.5	738.4	732.9
47.5°	705.3	709.4	720.5	727.4	732.9	734.3	734.3	730.1	721.9	712.2	705.3
50°	673.5	680.4	692.9	702.5	709.4	712.2	708.1	705.3	695.6	684.6	676.3
52.5°	643.2	651.5	666.6	674.9	684.6	686.0	684.6	680.4	669.4	654.2	647.3
55°	612.8	619.7	636.3	650.1	658.4	661.1	658.4	651.5	637.7	622.5	615.6
57.5°	579.7	589.4	607.3	621.1	630.8	632.1	629.4	622.5	611.4	592.1	582.5
60°	545.2	557.6	575.6	589.4	601.8	603.2	600.4	590.7	576.9	557.6	549.3
62.5°	510.7	520.3	541.0	556.2	565.9	572.8	567.3	557.6	543.8	524.5	512.1
65°	470.7	484.5	502.4	516.2	527.2	528.6	525.9	517.6	502.4	481.7	472.0
67.5°	432.0	441.7	459.6	477.6	481.7	485.8	481.7	473.4	461.0	443.1	429.2
70°	385.1	393.4	415.4	427.9	433.4	437.5	434.8	426.5	415.4	398.9	387.8
72.5°	338.2	345.1	365.8	375.4	386.5	385.1	383.7	378.2	363.0	352.0	345.1
75°	288.5	296.7	310.5	323.0	327.1	327.1	327.1	323.0	313.3	295.4	288.5
77.5°	242.9	247.1	258.1	265.0	269.1	270.5	269.1	262.2	256.7	244.3	240.2
80°	186.3	197.4	205.7	207.0	212.6	212.6	212.6	209.8	204.3	191.9	190.5
82.5°	140.8	143.5	151.8	156.0	158.7	157.3	157.3	151.8	150.4	143.5	140.8
85°	95.2	99.4	98.0	103.5	104.9	102.1	102.1	104.9	98.0	99.4	95.2
87.5°	52.4	52.4	55.2	53.8	59.3	59.3	56.6	58.0	55.2	53.8	52.4
90°	12.9	13.0	13.2	13.4	13.6	13.8	13.6	13.4	13.2	13.0	12.9
92.5°	21.6	21.7	21.8	21.9	22.0	22.1	22.0	21.9	21.8	21.7	21.6
95°	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
97.5°	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
100°	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
102.5°	91.1	91.2	91.3	91.4	91.5	91.6	91.5	91.4	91.3	91.2	91.1
105°	110.9	111.1	111.4	111.7	112.0	112.3	112.0	111.7	111.4	111.1	110.9
107.5°	132.5	132.5	132.4	132.3	132.2	132.1	132.2	132.3	132.4	132.5	132.5
110°	152.3	152.5	152.8	153.1	153.4	153.7	153.4	153.1	152.8	152.5	152.3

TEST NUMBER: P1033189

CATALOG NUMBER: S124DIW-B1020D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8	175.8
115°	199.2	199.2	199.1	199.0	198.9	198.8	198.9	199.0	199.1	199.2	199.2
117.5°	221.3	221.1	220.8	220.5	220.2	219.9	220.2	220.5	220.8	221.1	221.3
120°	243.9	244.0	244.2	244.4	244.6	244.8	244.6	244.4	244.2	244.0	243.9
122.5°	267.8	267.5	267.0	266.5	266.0	265.5	266.0	266.5	267.0	267.5	267.8
125°	290.8	290.7	290.5	290.3	290.1	289.9	290.1	290.3	290.5	290.7	290.8
127.5°	312.4	312.4	312.3	312.2	312.1	312.0	312.1	312.2	312.3	312.4	312.4
130°	335.4	335.2	334.8	334.4	334.0	333.6	334.0	334.4	334.8	335.2	335.4
132.5°	357.1	357.0	356.9	356.8	356.7	356.6	356.7	356.8	356.9	357.0	357.1
135°	378.7	378.5	378.2	377.9	377.6	377.3	377.6	377.9	378.2	378.5	378.7
137.5°	399.4	399.4	399.5	399.6	399.7	399.8	399.7	399.6	399.5	399.4	399.4
140°	420.6	420.5	420.4	420.3	420.2	420.1	420.2	420.3	420.4	420.5	420.6
142.5°	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3
145°	459.7	459.5	459.2	458.9	458.6	458.3	458.6	458.9	459.2	459.5	459.7
147.5°	477.6	477.5	477.4	477.3	477.2	477.1	477.2	477.3	477.4	477.5	477.6
150°	494.6	494.6	494.5	494.4	494.3	494.2	494.3	494.4	494.5	494.6	494.6
152.5°	511.2	511.0	510.7	510.4	510.1	509.8	510.1	510.4	510.7	511.0	511.2
155°	525.9	525.7	525.3	524.9	524.5	524.1	524.5	524.9	525.3	525.7	525.9
157.5°	538.8	538.6	538.3	538.0	537.7	537.4	537.7	538.0	538.3	538.6	538.8
160°	550.8	550.5	550.0	549.5	549.0	548.5	549.0	549.5	550.0	550.5	550.8
162.5°	562.3	562.0	561.5	561.0	560.5	560.0	560.5	561.0	561.5	562.0	562.3
165°	571.5	571.3	570.9	570.4	570.0	569.6	570.0	570.4	570.9	571.3	571.5
167.5°	579.8	579.5	578.9	578.2	577.6	577.0	577.6	578.2	578.9	579.5	579.8
170°	586.2	585.8	585.1	584.4	583.7	583.0	583.7	584.4	585.1	585.8	586.2
172.5°	591.3	590.9	590.2	589.5	588.7	588.0	588.7	589.5	590.2	590.9	591.3
175°	594.5	594.1	593.4	592.7	592.0	591.3	592.0	592.7	593.4	594.1	594.5
177.5°	596.8	596.4	595.6	594.7	593.9	593.1	593.9	594.7	595.6	596.4	596.8
180°	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9

TEST NUMBER: P1033189

CATALOG NUMBER: S124DIW-B1020D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9
2.5°	1566.5	1574.8	1566.5	1572.1	1574.8	1581.7	1584.5	1596.9	1601.1	1610.7	1610.7
5°	1472.7	1476.8	1478.2	1483.7	1489.3	1503.1	1512.7	1530.7	1551.4	1554.1	1566.5
7.5°	1396.8	1403.7	1414.7	1410.6	1420.2	1440.9	1453.4	1475.5	1496.2	1507.2	1522.4
10°	1329.2	1337.4	1341.6	1345.7	1363.7	1381.6	1400.9	1416.1	1443.7	1460.3	1472.7
12.5°	1273.9	1267.0	1275.3	1290.5	1311.2	1322.3	1348.5	1371.9	1392.6	1410.6	1421.6
15°	1202.2	1207.7	1216.0	1242.2	1247.7	1275.3	1285.0	1311.2	1349.9	1366.4	1380.2
17.5°	1133.2	1151.1	1167.7	1177.3	1193.9	1216.0	1243.6	1272.6	1297.4	1316.7	1333.3
20°	1078.0	1095.9	1105.6	1112.5	1129.0	1159.4	1185.6	1221.5	1253.2	1268.4	1290.5
22.5°	1033.8	1033.8	1047.6	1068.3	1078.0	1106.9	1129.0	1167.7	1202.2	1221.5	1242.2
25°	978.6	986.9	997.9	1015.8	1029.6	1053.1	1084.9	1118.0	1155.2	1171.8	1198.0
27.5°	933.0	942.7	957.9	962.0	975.8	996.5	1029.6	1065.5	1104.2	1122.1	1144.2
30°	898.5	904.0	909.6	917.8	930.3	948.2	975.8	1007.6	1054.5	1068.3	1095.9
32.5°	868.2	870.9	873.7	880.6	887.5	905.4	927.5	962.0	1000.7	1021.4	1046.2
35°	840.6	837.8	839.2	843.3	850.2	857.1	880.6	909.6	945.5	970.3	989.6
37.5°	814.3	808.8	807.4	807.4	810.2	818.5	836.4	861.3	899.9	920.6	939.9
40°	785.3	779.8	777.1	775.7	774.3	779.8	793.6	818.5	848.8	868.2	890.2
42.5°	757.7	752.2	745.3	743.9	741.2	743.9	753.6	777.1	803.3	822.6	840.6
45°	730.1	720.5	712.2	706.7	708.1	703.9	710.8	728.8	759.1	771.5	789.5
47.5°	699.8	688.7	677.7	672.2	666.6	669.4	672.2	687.3	713.6	726.0	743.9
50°	670.8	655.6	643.2	636.3	632.1	629.4	632.1	647.3	666.6	677.7	692.9
52.5°	637.7	622.5	610.1	599.0	593.5	589.4	590.7	604.5	622.5	633.5	648.7
55°	607.3	588.0	571.4	557.6	553.5	552.1	550.7	560.4	575.6	586.6	599.0
57.5°	572.8	553.5	535.5	519.0	510.7	509.3	509.3	512.1	531.4	539.7	546.6
60°	538.3	517.6	498.3	483.1	470.7	466.5	465.1	470.7	480.3	488.6	498.3
62.5°	499.6	478.9	455.5	441.7	429.2	418.2	422.3	423.7	437.5	441.7	450.0
65°	462.4	438.9	419.6	397.5	383.7	376.8	374.0	376.8	387.8	389.2	394.7
67.5°	419.6	397.5	374.0	358.9	346.4	334.0	331.3	331.3	336.8	340.9	347.8
70°	378.2	356.1	329.9	313.3	300.9	289.8	285.7	284.3	288.5	291.2	298.1
72.5°	329.9	307.8	288.5	270.5	255.3	247.1	242.9	240.2	244.3	247.1	248.4
75°	278.8	260.9	241.5	223.6	213.9	205.7	200.1	196.0	198.8	198.8	198.8
77.5°	230.5	212.6	197.4	184.9	172.5	162.9	158.7	154.6	156.0	156.0	158.7
80°	179.4	167.0	154.6	143.5	132.5	124.2	121.5	117.3	114.6	113.2	113.2
82.5°	132.5	122.8	111.8	102.1	96.6	88.3	85.6	80.1	80.1	78.7	78.7
85°	88.3	82.8	71.8	64.9	60.7	56.6	53.8	51.1	46.9	46.9	45.5
87.5°	46.9	44.2	41.4	33.1	33.1	29.0	27.6	26.2	22.1	23.5	23.5
90°	12.6	12.0	11.3	10.7	10.1	9.3	8.5	7.6	6.8	6.4	5.8
92.5°	21.4	21.1	20.8	20.5	20.2	19.7	19.2	18.7	18.2	17.9	17.2
95°	36.2	35.9	35.6	35.3	35.0	34.3	33.5	32.8	32.1	31.7	31.2
97.5°	53.2	52.8	52.3	51.9	51.5	50.7	49.9	49.1	48.3	47.9	47.5
100°	71.2	71.0	70.8	70.6	70.4	69.5	68.6	67.7	66.8	66.3	66.1
102.5°	90.9	90.6	90.3	90.0	89.7	88.9	88.1	87.2	86.4	86.0	86.0
105°	110.7	110.4	110.1	109.8	109.5	109.1	108.7	108.3	107.9	107.7	107.6
107.5°	132.3	131.9	131.5	131.1	130.7	130.6	130.5	130.4	130.3	130.2	130.2
110°	152.4	152.6	152.8	153.0	153.2	153.3	153.4	153.5	153.6	153.7	153.6

TEST NUMBER: P1033189

CATALOG NUMBER: S124DIW-B1020D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	175.8	175.8	175.8	175.8	175.8	176.0	176.2	176.4	176.6	176.7	176.7
115°	199.3	199.4	199.5	199.6	199.7	199.9	200.1	200.3	200.5	200.6	200.6
117.5°	221.5	221.8	222.1	222.4	222.7	222.8	222.9	223.0	223.1	223.2	223.2
120°	244.2	244.7	245.2	245.7	246.2	246.5	246.8	247.1	247.4	247.5	247.3
122.5°	268.0	268.3	268.6	268.9	269.2	269.3	269.4	269.5	269.6	269.6	269.6
125°	290.9	291.1	291.3	291.5	291.7	291.8	291.9	292.0	292.1	292.2	292.2
127.5°	312.5	312.7	312.9	313.1	313.3	313.5	313.7	314.0	314.2	314.3	314.1
130°	335.5	335.7	335.9	336.1	336.3	336.3	336.3	336.3	336.3	336.3	336.2
132.5°	357.2	357.4	357.6	357.8	358.0	358.1	358.2	358.3	358.4	358.4	358.3
135°	378.8	379.0	379.2	379.4	379.6	379.6	379.6	379.6	379.6	379.6	379.3
137.5°	399.6	399.9	400.2	400.5	400.8	400.6	400.4	400.1	399.9	399.8	399.7
140°	420.6	420.7	420.8	420.9	421.0	421.0	421.0	421.0	421.0	421.0	420.9
142.5°	440.3	440.3	440.3	440.3	440.3	440.4	440.5	440.6	440.7	440.8	440.7
145°	459.7	459.8	459.9	460.0	460.1	460.0	459.9	459.8	459.7	459.7	459.5
147.5°	477.7	477.8	477.9	478.0	478.1	478.2	478.3	478.4	478.5	478.5	478.2
150°	494.6	494.6	494.6	494.6	494.6	494.6	494.6	494.6	494.6	494.6	494.4
152.5°	511.0	510.7	510.4	510.1	509.8	509.7	509.6	509.5	509.4	509.4	509.3
155°	525.7	525.3	524.9	524.5	524.1	524.2	524.3	524.4	524.5	524.5	524.5
157.5°	538.6	538.3	538.0	537.7	537.4	537.4	537.4	537.4	537.4	537.4	537.5
160°	550.6	550.3	550.0	549.7	549.4	549.5	549.6	549.7	549.8	549.8	549.9
162.5°	562.0	561.4	560.7	560.1	559.5	559.6	559.7	559.8	559.9	560.0	560.1
165°	571.2	570.6	569.9	569.3	568.7	568.9	569.1	569.3	569.5	569.6	569.8
167.5°	579.5	578.9	578.2	577.6	577.0	577.0	577.0	577.0	577.0	577.0	577.2
170°	585.9	585.3	584.6	584.0	583.4	583.3	583.2	583.1	583.0	583.0	583.3
172.5°	590.9	590.2	589.5	588.7	588.0	588.0	588.0	588.0	588.0	588.0	588.2
175°	594.1	593.4	592.7	592.0	591.3	591.4	591.5	591.6	591.7	591.7	592.0
177.5°	596.4	595.7	595.0	594.3	593.6	593.6	593.6	593.6	593.6	593.6	593.9
180°	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9	594.9

TEST NUMBER: P1033189

CATALOG NUMBER: S124DIW-B1020D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1665.9	1665.9	1665.9	1665.9
2.5°	1620.4	1634.2	1646.6	1665.9
5°	1584.5	1603.8	1630.0	1659.0
7.5°	1543.1	1573.5	1608.0	1648.0
10°	1504.4	1538.9	1583.1	1631.4
12.5°	1464.4	1505.8	1554.1	1606.6
15°	1418.9	1460.3	1514.1	1584.5
17.5°	1377.5	1427.1	1485.1	1559.6
20°	1329.2	1376.1	1439.6	1525.1
22.5°	1286.4	1340.2	1410.6	1485.1
25°	1239.4	1286.4	1356.8	1446.5
27.5°	1192.5	1250.5	1318.1	1405.1
30°	1147.0	1195.3	1268.4	1359.5
32.5°	1097.3	1155.2	1222.9	1308.4
35°	1043.4	1098.7	1162.1	1254.6
37.5°	995.1	1049.0	1113.8	1195.3
40°	941.3	997.9	1057.2	1138.7
42.5°	888.9	939.9	999.3	1073.8
45°	837.8	882.0	935.8	1000.7
47.5°	785.3	822.6	872.3	930.3
50°	728.8	768.8	806.0	854.4
52.5°	676.3	710.8	741.2	781.2
55°	625.2	648.7	673.5	703.9
57.5°	571.4	589.4	607.3	639.0
60°	517.6	534.1	543.8	564.5
62.5°	465.1	472.0	484.5	496.9
65°	407.2	416.8	423.7	438.9
67.5°	354.7	358.9	365.8	375.4
70°	299.5	309.2	311.9	318.8
72.5°	252.6	256.7	259.5	260.9
75°	200.1	204.3	207.0	215.3
77.5°	157.3	156.0	161.5	162.9
80°	115.9	111.8	113.2	118.7
82.5°	75.9	77.3	75.9	75.9
85°	46.9	45.5	42.8	44.2
87.5°	20.7	20.7	19.3	19.3
90°	4.7	3.6	2.5	1.4
92.5°	15.9	14.6	13.3	12.0
95°	30.3	29.4	28.5	27.6
97.5°	46.7	45.8	45.0	44.2
100°	65.7	65.2	64.8	64.4
102.5°	85.9	85.8	85.7	85.6
105°	107.5	107.4	107.3	107.2
107.5°	130.1	130.0	129.9	129.8
110°	153.4	153.2	153.0	152.8

TEST NUMBER: P1033189

CATALOG NUMBER: S124DIW-B1020D470UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	176.7	176.7	176.7	176.7
115°	200.6	200.6	200.6	200.6
117.5°	223.2	223.2	223.2	223.2
120°	246.9	246.5	246.1	245.7
122.5°	269.5	269.4	269.3	269.2
125°	292.2	292.2	292.2	292.2
127.5°	313.8	313.5	313.2	312.9
130°	335.9	335.6	335.3	335.0
132.5°	358.1	357.9	357.7	357.5
135°	378.7	378.0	377.4	376.8
137.5°	399.4	399.1	398.8	398.5
140°	420.7	420.5	420.3	420.1
142.5°	440.5	440.3	440.1	439.9
145°	459.1	458.6	458.2	457.8
147.5°	477.7	477.2	476.7	476.2
150°	494.0	493.6	493.2	492.8
152.5°	509.1	508.8	508.6	508.4
155°	524.5	524.5	524.5	524.5
157.5°	537.7	537.9	538.1	538.3
160°	550.0	550.1	550.2	550.3
162.5°	560.4	560.7	561.0	561.3
165°	570.1	570.4	570.7	571.0
167.5°	577.6	578.0	578.4	578.8
170°	583.8	584.3	584.8	585.3
172.5°	588.6	589.1	589.5	589.9
175°	592.5	593.0	593.5	594.0
177.5°	594.4	594.9	595.4	595.9
180°	594.9	594.9	594.9	594.9

(END OF REPORT)