

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: P1024950

Luminaire Tested: S124DIP-B1020D590UB30-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1024950
REPORT IS A COMBINATION OF REPORTS P995325 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124DIP-B1020D590UB30-4F0-XX-W2A-A4
Description: Define 4 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

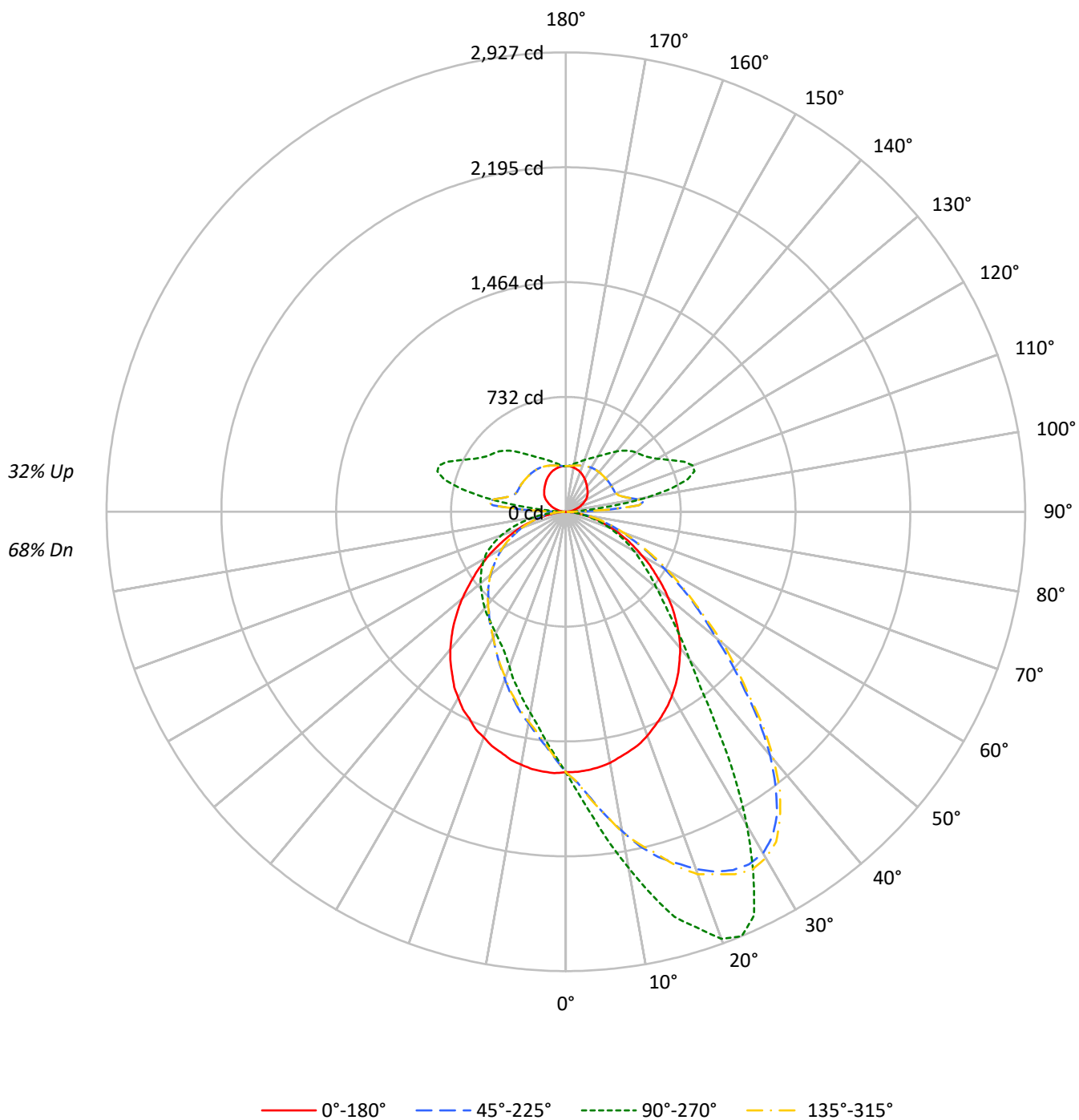
Lumens per Lamp: N/A
Luminaire Lumens: 6697.0 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 62.2
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				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	105	105	105	105	94	94	94	83	83	83	73	73	73
1	102	98	94	90	96	93	89	86	83	80	78	73	72	70	65	64	62
2	93	86	80	74	88	81	76	71	73	68	65	65	62	59	58	55	53
3	85	76	68	62	80	72	65	60	65	59	55	58	54	50	51	48	45
4	78	67	59	53	74	64	57	51	58	52	47	52	47	43	46	42	39
5	72	60	52	46	68	57	50	44	52	46	41	47	42	38	42	38	35
6	67	54	46	40	63	52	44	39	47	41	36	42	37	33	38	34	31
7	62	49	41	35	58	47	40	34	43	36	32	39	33	30	35	31	27
8	57	45	37	32	54	43	36	31	39	33	28	35	30	27	32	28	25
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	25	22
10	50	38	30	26	47	36	29	25	33	27	23	30	25	22	27	23	20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13526	13526	13526	13526
5°	13492	15517	13570	11660
10°	13391	18104	13493	10229
15°	13230	20870	13322	9153
20°	13058	22631	13153	8206
25°	12809	22372	12931	7507
30°	12564	18491	12717	7148
35°	12222	13779	12356	6930
40°	11820	10380	11935	6823
45°	11209	8331	11349	6677
50°	10479	7019	10631	6609
55°	9620	6108	9771	6531
60°	8787	5380	9043	6423
65°	8003	4629	8078	6155
70°	7081	3808	7235	5667
75°	6179	2926	6138	4816
80°	4861	1923	4804	3655
85°	3202	864	2998	2132

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 17489 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.4	2.4
10°-20°	498.3	7.4
20°-30°	791.6	11.8
30°-40°	879.6	13.1
40°-50°	799.9	11.9
50°-60°	653.6	9.8
60°-70°	466.6	7.0
70°-80°	256.7	3.8
80°-90°	70.5	1.1
90°-100°	210.8	3.1
100°-110°	440.2	6.6
110°-120°	391.3	5.8
120°-130°	329.4	4.9
130°-140°	274.8	4.1
140°-150°	209.8	3.1
150°-160°	147.5	2.2
160°-170°	86.8	1.3
170°-180°	28.2	0.4
0°-30°	1451.2	21.7
0°-40°	2330.8	34.8
0°-60°	3784.3	56.5
0°-90°	4578.1	68.4
90°-120°	1042.3	15.6
90°-150°	1856.4	27.7
90°-180°	2119.0	31.6
0°-180°	6697.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1659	1659	1659	1659	1659	
5°	1652	1946	1661	1462	1652	157
15°	1578	2673	1589	1172	1578	445
25°	1440	2838	1454	952	1440	664
35°	1249	1678	1263	844	1249	780
45°	996	941	1009	754	996	768
55°	701	616	712	658	701	630
65°	437	396	441	526	437	432
75°	214	198	213	326	214	225
85°	44	41	41	102	44	51
90°	1	12	1	12	1	4
95°	19	140	19	140	19	21
105°	67	804	67	804	67	71
115°	118	772	118	772	118	117
125°	164	616	164	616	164	146
135°	195	551	195	551	195	151
145°	225	450	225	450	225	141
155°	256	377	256	377	256	118
165°	278	329	278	329	278	79
175°	290	296	290	296	290	28
180°	291	291	291	291	291	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7
2.5°	1658.7	1675.2	1682.0	1687.5	1705.4	1710.9	1712.3	1720.5	1727.4	1728.8	1728.8
5°	1651.8	1677.9	1698.5	1717.8	1746.6	1759.0	1774.1	1790.6	1812.6	1826.3	1833.2
7.5°	1640.8	1679.3	1710.9	1743.9	1783.7	1808.5	1822.2	1866.2	1896.4	1921.2	1951.4
10°	1624.3	1673.8	1719.1	1767.2	1823.6	1853.8	1884.0	1937.6	1980.2	2028.3	2066.8
12.5°	1599.6	1664.2	1719.1	1786.5	1856.6	1892.3	1928.0	2021.5	2070.9	2113.5	2182.3
15°	1577.6	1642.2	1720.5	1789.2	1875.8	1929.4	1981.6	2042.1	2120.4	2212.5	2278.4
17.5°	1552.9	1633.9	1706.8	1803.0	1899.2	1950.0	1992.6	2086.1	2196.0	2286.7	2347.2
20°	1518.5	1601.0	1697.2	1798.8	1912.9	1952.8	2009.1	2134.2	2233.1	2322.4	2421.4
22.5°	1478.7	1574.9	1676.5	1774.1	1892.3	1976.1	2038.0	2147.9	2267.5	2370.5	2481.8
25°	1440.2	1544.6	1633.9	1767.2	1892.3	1948.6	2018.7	2149.3	2279.8	2404.9	2518.9
27.5°	1399.0	1496.5	1617.5	1723.3	1864.8	1926.6	2002.2	2145.1	2283.9	2409.0	2531.3
30°	1353.6	1458.0	1558.4	1683.4	1820.8	1900.5	1970.6	2125.9	2267.5	2398.0	2512.1
32.5°	1302.8	1401.7	1508.9	1627.1	1771.4	1852.4	1940.4	2099.8	2251.0	2363.6	2451.6
35°	1249.2	1349.5	1442.9	1563.9	1712.3	1793.4	1878.6	2054.5	2204.2	2296.3	2347.2
37.5°	1190.1	1284.9	1377.0	1496.5	1644.9	1731.5	1818.1	1988.5	2130.0	2207.0	2193.2
40°	1133.7	1218.9	1304.1	1416.8	1572.1	1664.2	1739.8	1911.5	2035.2	2068.2	2022.8
42.5°	1069.1	1142.0	1224.4	1339.9	1491.0	1577.6	1672.4	1829.1	1921.2	1907.4	1830.5
45°	996.3	1060.9	1143.3	1251.9	1405.8	1495.1	1574.9	1723.3	1790.6	1756.2	1616.1
47.5°	926.2	989.4	1056.8	1165.3	1315.1	1390.7	1471.8	1605.1	1643.6	1570.7	1430.6
50°	850.6	902.9	972.9	1076.0	1216.2	1295.9	1363.2	1470.4	1484.2	1394.8	1249.2
52.5°	777.8	821.8	889.1	990.8	1121.4	1184.6	1250.5	1345.4	1334.4	1242.3	1102.1
55°	700.8	742.1	803.9	897.4	1012.8	1073.3	1129.6	1213.4	1190.1	1095.2	972.9
57.5°	636.3	665.1	725.6	812.2	907.0	972.9	1021.0	1087.0	1051.3	956.5	842.4
60°	562.1	597.8	648.6	718.7	812.2	856.1	898.7	942.7	918.0	827.3	725.6
62.5°	494.7	522.2	566.2	633.5	706.3	746.2	791.5	819.0	794.3	710.5	625.3
65°	437.0	459.0	493.3	548.3	618.4	651.4	677.5	703.6	683.0	604.7	542.8
67.5°	373.8	393.0	421.9	465.9	525.0	548.3	573.0	590.9	567.6	515.3	454.9
70°	317.4	331.2	358.7	391.7	432.9	454.9	475.5	493.3	472.7	428.8	383.4
72.5°	259.7	270.7	295.5	318.8	355.9	371.0	386.2	399.9	393.0	351.8	314.7
75°	214.4	218.5	235.0	254.2	277.6	294.1	305.1	313.3	307.8	274.8	251.5
77.5°	162.2	167.7	180.0	195.1	215.8	225.4	232.2	240.5	233.6	207.5	191.0
80°	118.2	119.6	126.4	140.2	153.9	155.3	162.2	173.2	169.0	151.2	138.8
82.5°	75.6	79.7	82.5	90.7	100.3	103.1	107.2	109.9	108.6	97.6	93.4
85°	44.0	44.0	46.7	52.2	55.0	59.1	60.5	61.8	64.6	57.7	53.6
87.5°	19.2	20.6	20.6	22.0	24.7	24.7	26.1	27.5	28.9	27.5	23.4
90°	0.6	1.7	3.4	4.0	4.6	4.6	4.6	8.0	8.0	9.1	10.3
92.5°	8.0	11.4	17.7	26.3	36.6	44.0	51.4	86.9	142.3	196.0	224.0
95°	18.9	20.6	26.3	33.7	47.4	59.4	71.4	121.2	214.9	351.5	465.8
97.5°	31.4	31.4	36.6	43.4	55.4	65.7	76.0	115.5	196.0	336.6	498.4
100°	43.4	43.4	47.4	54.3	65.2	74.3	83.4	117.2	181.8	298.4	459.5
102.5°	54.9	56.0	59.4	65.7	76.0	84.6	93.2	122.9	177.8	272.6	410.9
105°	66.9	68.6	71.4	78.3	88.6	96.9	105.2	132.6	180.0	260.1	374.9
107.5°	80.0	81.2	84.0	91.4	101.2	109.4	117.7	142.9	186.9	256.6	351.5
110°	93.2	94.3	97.2	104.0	114.3	122.0	129.7	154.9	194.9	257.8	340.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	105.7	106.9	110.3	116.6	126.9	134.6	142.3	166.3	203.5	261.2	335.5
115°	117.7	119.5	123.5	129.2	140.0	147.8	155.5	178.3	212.6	265.8	334.4
117.5°	130.3	132.0	135.5	141.7	152.0	160.0	168.0	189.8	221.8	270.3	333.8
120°	142.9	144.0	148.0	154.3	164.0	172.0	180.0	201.8	231.5	275.5	333.8
122.5°	154.3	155.5	159.5	165.2	176.0	183.8	191.5	213.2	240.6	280.6	333.2
125°	164.0	166.3	169.8	176.0	186.9	194.9	202.9	223.5	249.8	285.8	332.6
127.5°	173.2	174.9	178.9	185.8	197.2	205.2	213.2	233.2	257.8	289.8	331.5
130°	180.6	182.9	187.5	196.0	206.9	215.2	223.5	242.9	265.2	294.4	330.9
132.5°	188.0	189.8	196.0	204.0	216.0	223.8	231.5	250.9	272.6	298.4	330.4
135°	194.9	197.2	202.9	212.6	224.6	232.0	239.5	258.3	278.9	302.4	329.8
137.5°	201.8	204.0	210.3	219.5	232.1	239.2	246.3	264.1	283.5	304.6	329.8
140°	209.2	210.9	217.2	226.9	238.9	245.8	252.6	269.8	288.1	307.5	329.2
142.5°	217.2	218.9	224.6	233.8	245.2	251.8	258.3	274.9	291.5	309.8	329.2
145°	224.6	226.3	232.1	240.1	250.9	257.2	263.5	278.3	293.8	310.4	328.1
147.5°	233.2	233.8	238.9	247.5	256.6	262.4	268.1	282.3	296.1	310.9	326.4
150°	241.2	241.8	246.3	253.2	261.8	267.2	272.6	285.2	297.8	310.9	324.6
152.5°	248.6	248.6	253.2	259.5	266.9	271.8	276.6	287.5	298.9	309.8	321.8
155°	255.5	256.1	259.5	265.2	271.5	275.8	280.1	289.8	299.5	308.6	318.9
157.5°	262.3	262.3	265.8	270.3	276.1	279.5	282.9	291.5	299.5	307.5	316.1
160°	268.6	268.6	270.9	274.9	279.5	282.6	285.8	292.6	299.5	305.8	312.6
162.5°	274.3	273.8	275.5	278.9	282.9	285.2	287.5	293.8	299.5	304.1	309.2
165°	278.3	278.3	279.5	282.3	285.2	286.9	288.6	293.8	298.4	301.8	305.8
167.5°	282.9	282.3	282.9	285.2	286.9	288.4	289.8	293.8	297.2	299.5	302.4
170°	285.8	285.2	285.8	287.5	288.6	289.5	290.4	293.2	296.1	297.2	298.9
172.5°	288.6	288.1	288.1	289.2	289.8	290.4	290.9	292.6	294.9	294.9	295.5
175°	290.4	289.8	289.8	290.4	290.9	290.9	290.9	292.1	293.8	293.2	293.2
177.5°	291.5	290.9	290.4	290.9	290.9	290.9	290.9	291.5	292.6	291.5	291.5
180°	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7
2.5°	1732.9	1757.6	1768.6	1771.4	1786.5	1776.9	1781.0	1779.6	1790.6	1792.0	1792.0
5°	1859.3	1888.2	1897.8	1911.5	1932.1	1937.6	1933.5	1941.8	1956.9	1945.9	1962.4
7.5°	1992.6	2024.2	2046.2	2076.4	2083.3	2101.2	2112.2	2121.8	2124.5	2125.9	2128.7
10°	2116.3	2156.1	2186.4	2237.2	2248.2	2257.8	2305.9	2286.7	2311.4	2303.2	2305.9
12.5°	2216.6	2294.9	2319.7	2404.9	2413.1	2446.1	2443.4	2473.6	2479.1	2490.1	2479.1
15°	2348.5	2439.2	2479.1	2527.2	2554.7	2593.1	2600.0	2641.2	2657.7	2672.8	2657.7
17.5°	2469.5	2517.6	2619.3	2657.7	2675.6	2696.2	2748.4	2763.5	2788.3	2778.7	2806.1
20°	2529.9	2598.6	2705.8	2771.8	2799.3	2818.5	2862.5	2885.9	2895.5	2895.5	2898.2
22.5°	2583.5	2682.5	2762.2	2837.8	2862.5	2876.2	2902.3	2920.2	2924.3	2927.1	2929.8
25°	2631.6	2720.9	2785.5	2828.1	2837.8	2837.8	2852.9	2841.9	2824.0	2837.8	2846.0
27.5°	2631.6	2694.8	2723.7	2738.8	2738.8	2701.7	2679.7	2634.4	2595.9	2584.9	2609.6
30°	2587.6	2616.5	2576.7	2539.5	2510.7	2486.0	2399.4	2330.7	2316.9	2307.3	2344.4
32.5°	2486.0	2448.9	2370.5	2263.3	2220.7	2164.4	2097.1	2044.8	2013.2	2002.2	1994.0
35°	2305.9	2209.7	2108.0	1963.8	1933.5	1862.1	1770.0	1731.5	1679.3	1677.9	1695.8
37.5°	2109.4	1961.0	1851.1	1713.6	1671.0	1595.5	1508.9	1469.0	1433.3	1405.8	1438.8
40°	1879.9	1750.7	1583.1	1470.4	1409.9	1370.1	1297.3	1253.3	1236.8	1223.1	1243.7
42.5°	1665.5	1524.0	1393.5	1278.0	1228.5	1183.2	1135.1	1092.5	1080.1	1078.8	1093.9
45°	1452.5	1313.7	1192.8	1093.9	1062.3	1034.8	988.1	975.7	955.1	941.3	948.2
47.5°	1282.1	1139.2	1038.9	963.3	935.8	912.5	882.2	861.6	843.8	838.3	846.5
50°	1114.5	1018.3	915.2	852.0	831.4	809.4	786.1	766.8	758.6	753.1	758.6
52.5°	979.8	876.7	806.7	755.8	735.2	718.7	702.2	694.0	683.0	685.7	691.2
55°	858.9	768.2	709.1	672.0	659.6	652.8	632.1	622.5	618.4	615.6	618.4
57.5°	744.8	678.9	634.9	603.3	586.8	582.7	566.2	566.2	562.1	557.9	559.3
60°	654.1	597.8	555.2	530.4	527.7	520.8	509.8	508.5	498.8	503.0	504.3
62.5°	562.1	516.7	487.8	472.7	463.1	460.4	453.5	452.1	448.0	449.4	446.6
65°	489.2	452.1	423.3	410.9	406.8	405.4	399.9	395.8	393.0	395.8	393.0
67.5°	416.4	391.7	369.7	357.3	351.8	350.4	346.3	343.6	344.9	340.8	343.6
70°	347.7	322.9	309.2	302.3	299.6	295.5	295.5	295.5	295.5	292.7	291.3
72.5°	292.7	268.0	258.4	254.2	251.5	250.1	246.0	247.4	246.0	244.6	250.1
75°	232.2	217.1	207.5	203.4	206.1	202.0	197.9	200.6	196.5	197.9	203.4
77.5°	175.9	169.0	163.5	160.8	158.0	155.3	155.3	152.5	152.5	152.5	152.5
80°	127.8	126.4	116.8	115.4	115.4	112.7	112.7	112.7	112.7	111.3	112.7
82.5°	85.2	83.8	81.1	79.7	77.0	78.3	78.3	75.6	75.6	74.2	75.6
85°	49.5	49.5	46.7	45.3	44.0	45.3	42.6	41.2	42.6	41.2	42.6
87.5°	23.4	20.6	22.0	20.6	17.9	19.2	16.5	17.9	16.5	15.1	17.9
90°	9.7	10.3	10.9	11.4	11.4	11.4	12.0	12.6	12.0	12.0	12.0
92.5°	186.3	137.7	102.9	81.2	74.1	66.9	58.3	54.3	52.0	52.0	52.0
95°	479.0	423.5	334.9	258.3	230.6	202.9	174.9	157.2	146.9	139.5	146.9
97.5°	600.7	609.8	565.8	503.0	471.0	439.0	400.1	365.8	348.6	334.9	348.6
100°	605.8	689.3	700.7	672.7	651.6	630.4	580.7	545.8	528.7	524.1	528.7
102.5°	563.0	685.3	753.3	770.5	764.8	759.0	733.3	710.4	692.2	688.7	692.2
105°	509.3	640.1	739.0	795.6	807.3	819.0	820.2	815.6	807.6	804.2	807.6
107.5°	465.2	584.7	691.6	770.5	794.5	818.5	843.6	853.9	858.5	859.0	858.5
110°	433.8	535.5	634.4	717.3	748.8	780.2	820.8	844.8	855.0	860.2	855.0

TEST NUMBER: P1024950

CATALOG NUMBER: S124DIP-B1020D590UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	416.1	499.5	584.1	661.3	692.8	724.2	771.6	801.9	817.3	826.5	817.3
115°	406.4	477.8	548.1	615.0	642.4	669.9	715.0	749.3	767.6	772.2	767.6
117.5°	401.2	465.2	524.7	579.0	603.0	627.0	667.0	696.7	716.2	719.0	716.2
120°	397.2	457.2	510.4	556.1	576.4	596.7	629.3	654.4	669.3	675.6	669.3
122.5°	392.7	450.4	501.3	541.8	559.0	576.1	602.4	623.0	635.0	641.3	635.0
125°	387.5	442.4	491.5	531.0	546.7	562.4	585.3	601.8	612.7	616.1	612.7
127.5°	380.7	433.2	480.7	520.1	535.0	549.8	572.7	587.6	596.7	600.1	596.7
130°	374.4	421.8	467.0	505.8	521.0	536.1	559.6	573.8	583.0	586.4	583.0
132.5°	368.7	409.8	451.5	489.3	504.4	519.5	542.4	559.0	567.6	571.0	567.6
135°	362.9	398.9	436.1	471.0	485.2	499.5	522.4	538.4	547.5	551.0	547.5
137.5°	357.8	388.7	421.2	451.5	464.6	477.8	499.5	516.1	523.5	527.5	523.5
140°	353.8	380.1	406.9	432.7	444.7	456.7	476.7	489.3	497.3	501.8	497.3
142.5°	350.4	372.1	394.9	416.1	426.1	436.1	453.2	464.7	471.5	474.4	471.5
145°	346.4	364.7	384.1	401.2	409.2	417.2	431.5	441.2	447.0	449.8	447.0
147.5°	342.9	358.4	374.4	388.7	395.2	401.8	412.7	421.2	425.8	427.0	425.8
150°	338.9	352.6	365.8	377.2	382.4	387.5	396.7	404.1	407.5	408.1	407.5
152.5°	334.4	346.4	357.2	367.5	371.5	375.5	382.9	388.7	390.4	390.9	390.4
155°	329.8	340.1	349.2	357.8	361.2	364.7	370.4	374.9	376.7	376.7	376.7
157.5°	325.2	333.2	341.2	348.6	351.5	354.4	358.9	362.4	363.5	363.5	363.5
160°	320.1	326.9	333.2	339.5	341.8	344.1	347.5	350.9	351.5	351.5	351.5
162.5°	315.5	320.6	325.8	330.4	332.4	334.4	336.6	340.1	340.6	340.1	340.6
165°	310.4	314.9	318.4	322.4	323.8	325.2	327.5	329.8	329.2	328.6	329.2
167.5°	305.8	309.2	312.1	315.5	316.4	317.2	318.4	320.1	320.1	319.5	320.1
170°	301.2	304.1	305.8	308.1	309.0	309.8	310.9	311.5	310.9	310.9	310.9
172.5°	297.2	299.5	300.6	301.8	302.4	302.9	303.5	304.1	303.5	302.4	303.5
175°	294.4	295.5	296.1	297.2	297.2	297.2	297.2	298.4	297.2	296.1	297.2
177.5°	292.1	292.6	293.2	293.2	293.5	293.8	293.2	293.8	292.6	291.5	292.6
180°	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9

TEST NUMBER: P1024950

CATALOG NUMBER: S124DIP-B1020D590UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7
2.5°	1789.2	1785.1	1779.6	1779.6	1772.7	1772.7	1761.7	1742.5	1726.0	1720.5	1723.3
5°	1941.8	1943.1	1934.9	1928.0	1915.7	1906.0	1888.2	1853.8	1842.8	1820.8	1805.7
7.5°	2116.3	2110.8	2095.7	2084.7	2081.9	2059.9	2021.5	1980.2	1947.3	1925.3	1893.7
10°	2312.8	2290.8	2268.8	2262.0	2245.5	2208.4	2164.4	2119.0	2073.7	2025.6	1972.0
12.5°	2477.7	2435.1	2433.7	2417.2	2385.6	2365.0	2312.8	2248.2	2169.9	2116.3	2055.8
15°	2655.0	2615.1	2582.1	2551.9	2536.8	2476.3	2432.4	2351.3	2257.8	2200.1	2158.9
17.5°	2781.4	2763.5	2707.2	2693.5	2672.8	2602.8	2532.7	2453.0	2371.9	2290.8	2179.5
20°	2883.1	2872.1	2835.0	2815.8	2782.8	2727.8	2642.6	2550.5	2457.1	2341.7	2237.2
22.5°	2927.1	2913.3	2883.1	2866.6	2846.0	2799.3	2726.4	2622.0	2499.7	2396.6	2285.3
25°	2840.5	2865.2	2857.0	2850.1	2841.9	2814.4	2759.4	2667.4	2547.8	2431.0	2292.2
27.5°	2645.4	2688.0	2729.2	2734.7	2748.4	2759.4	2737.4	2671.5	2571.2	2447.5	2294.9
30°	2382.9	2402.1	2486.0	2510.7	2529.9	2600.0	2641.2	2624.8	2547.8	2436.5	2296.3
32.5°	2046.2	2097.1	2182.3	2241.3	2293.6	2371.9	2479.1	2521.7	2494.2	2403.5	2264.7
35°	1727.4	1787.9	1886.8	1962.4	2014.6	2125.9	2252.3	2344.4	2378.8	2333.4	2209.7
37.5°	1466.3	1539.1	1627.1	1655.9	1716.4	1853.8	2028.3	2156.1	2240.0	2244.1	2147.9
40°	1269.8	1306.9	1377.0	1420.9	1480.0	1595.5	1765.9	1934.9	2061.3	2103.9	2053.1
42.5°	1103.5	1132.4	1184.6	1238.2	1291.8	1379.7	1536.4	1694.4	1864.8	1950.0	1948.6
45°	971.6	1001.8	1037.5	1081.5	1118.6	1213.4	1337.1	1499.3	1646.3	1778.2	1811.2
47.5°	856.1	882.2	926.2	945.5	970.2	1059.5	1166.7	1317.9	1470.4	1621.6	1660.1
50°	770.9	792.9	823.2	835.5	863.0	929.0	1016.9	1139.2	1308.3	1447.0	1518.5
52.5°	694.0	710.5	733.8	743.5	762.7	812.2	891.9	988.1	1128.2	1271.1	1371.5
55°	628.0	639.0	655.5	666.5	680.2	724.2	783.3	869.9	990.8	1114.5	1212.1
57.5°	566.2	574.4	590.9	596.4	607.4	641.8	683.0	755.8	867.1	977.1	1071.9
60°	508.5	514.0	523.6	535.9	544.2	567.6	606.0	666.5	755.8	856.1	933.1
62.5°	453.5	461.7	464.5	470.0	476.9	498.8	529.1	573.0	651.4	733.8	814.9
65°	397.1	404.0	409.5	410.9	417.8	434.3	461.7	500.2	551.1	622.5	698.1
67.5°	344.9	349.1	351.8	357.3	364.2	372.4	394.4	423.3	470.0	527.7	588.2
70°	296.8	296.8	301.0	302.3	310.6	320.2	329.8	357.3	398.5	445.2	486.5
72.5°	244.6	251.5	250.1	257.0	255.6	262.5	274.8	292.7	322.9	360.0	399.9
75°	199.3	203.4	203.4	203.4	206.1	211.6	218.5	235.0	258.4	288.6	311.9
77.5°	155.3	158.0	158.0	158.0	159.4	164.9	171.8	182.8	199.3	217.1	230.9
80°	111.3	114.1	114.1	116.8	116.8	118.2	125.1	130.6	138.8	152.5	166.3
82.5°	75.6	77.0	79.7	79.7	78.3	81.1	82.5	87.9	96.2	98.9	108.6
85°	41.2	42.6	44.0	44.0	45.3	48.1	46.7	52.2	52.2	57.7	60.5
87.5°	16.5	19.2	19.2	17.9	19.2	19.2	19.2	22.0	23.4	24.7	23.4
90°	12.6	12.0	11.4	11.4	11.4	10.9	10.3	9.7	10.3	9.1	8.0
92.5°	54.3	58.3	66.9	74.1	81.2	102.9	137.7	186.3	224.0	196.0	142.3
95°	157.2	174.9	202.9	230.6	258.3	334.9	423.5	479.0	465.8	351.5	214.9
97.5°	365.8	400.1	439.0	471.0	503.0	565.8	609.8	600.7	498.4	336.6	196.0
100°	545.8	580.7	630.4	651.6	672.7	700.7	689.3	605.8	459.5	298.4	181.8
102.5°	710.4	733.3	759.0	764.8	770.5	753.3	685.3	563.0	410.9	272.6	177.8
105°	815.6	820.2	819.0	807.3	795.6	739.0	640.1	509.3	374.9	260.1	180.0
107.5°	853.9	843.6	818.5	794.5	770.5	691.6	584.7	465.2	351.5	256.6	186.9
110°	844.8	820.8	780.2	748.8	717.3	634.4	535.5	433.8	340.6	257.8	194.9

TEST NUMBER: P1024950

CATALOG NUMBER: S124DIP-B1020D590UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	801.9	771.6	724.2	692.8	661.3	584.1	499.5	416.1	335.5	261.2	203.5
115°	749.3	715.0	669.9	642.4	615.0	548.1	477.8	406.4	334.4	265.8	212.6
117.5°	696.7	667.0	627.0	603.0	579.0	524.7	465.2	401.2	333.8	270.3	221.8
120°	654.4	629.3	596.7	576.4	556.1	510.4	457.2	397.2	333.8	275.5	231.5
122.5°	623.0	602.4	576.1	559.0	541.8	501.3	450.4	392.7	333.2	280.6	240.6
125°	601.8	585.3	562.4	546.7	531.0	491.5	442.4	387.5	332.6	285.8	249.8
127.5°	587.6	572.7	549.8	535.0	520.1	480.7	433.2	380.7	331.5	289.8	257.8
130°	573.8	559.6	536.1	521.0	505.8	467.0	421.8	374.4	330.9	294.4	265.2
132.5°	559.0	542.4	519.5	504.4	489.3	451.5	409.8	368.7	330.4	298.4	272.6
135°	538.4	522.4	499.5	485.2	471.0	436.1	398.9	362.9	329.8	302.4	278.9
137.5°	516.1	499.5	477.8	464.6	451.5	421.2	388.7	357.8	329.8	304.6	283.5
140°	489.3	476.7	456.7	444.7	432.7	406.9	380.1	353.8	329.2	307.5	288.1
142.5°	464.7	453.2	436.1	426.1	416.1	394.9	372.1	350.4	329.2	309.8	291.5
145°	441.2	431.5	417.2	409.2	401.2	384.1	364.7	346.4	328.1	310.4	293.8
147.5°	421.2	412.7	401.8	395.2	388.7	374.4	358.4	342.9	326.4	310.9	296.1
150°	404.1	396.7	387.5	382.4	377.2	365.8	352.6	338.9	324.6	310.9	297.8
152.5°	388.7	382.9	375.5	371.5	367.5	357.2	346.4	334.4	321.8	309.8	298.9
155°	374.9	370.4	364.7	361.2	357.8	349.2	340.1	329.8	318.9	308.6	299.5
157.5°	362.4	358.9	354.4	351.5	348.6	341.2	333.2	325.2	316.1	307.5	299.5
160°	350.9	347.5	344.1	341.8	339.5	333.2	326.9	320.1	312.6	305.8	299.5
162.5°	340.1	336.6	334.4	332.4	330.4	325.8	320.6	315.5	309.2	304.1	299.5
165°	329.8	327.5	325.2	323.8	322.4	318.4	314.9	310.4	305.8	301.8	298.4
167.5°	320.1	318.4	317.2	316.4	315.5	312.1	309.2	305.8	302.4	299.5	297.2
170°	311.5	310.9	309.8	309.0	308.1	305.8	304.1	301.2	298.9	297.2	296.1
172.5°	304.1	303.5	302.9	302.4	301.8	300.6	299.5	297.2	295.5	294.9	294.9
175°	298.4	297.2	297.2	297.2	297.2	296.1	295.5	294.4	293.2	293.2	293.8
177.5°	293.8	293.2	293.8	293.5	293.2	293.2	292.6	292.1	291.5	291.5	292.6
180°	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9

TEST NUMBER: P1024950

CATALOG NUMBER: S124DIP-B1020D590UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7
2.5°	1710.9	1705.4	1701.3	1701.3	1688.9	1676.5	1669.7	1666.9	1664.2	1653.2	1638.1
5°	1781.0	1763.1	1750.7	1738.4	1717.8	1695.8	1673.8	1661.4	1643.6	1618.8	1601.0
7.5°	1859.3	1816.7	1803.0	1787.9	1746.6	1709.5	1679.3	1653.2	1624.3	1592.7	1561.1
10°	1925.3	1879.9	1849.7	1823.6	1770.0	1720.5	1675.2	1636.7	1599.6	1558.4	1519.9
12.5°	1988.5	1923.9	1892.3	1853.8	1797.5	1726.0	1666.9	1618.8	1563.9	1521.3	1474.5
15°	2076.4	1967.9	1915.7	1890.9	1815.3	1731.5	1660.1	1588.6	1543.2	1478.7	1437.4
17.5°	2090.2	2002.2	1967.9	1904.7	1814.0	1719.1	1636.7	1565.2	1496.5	1438.8	1385.2
20°	2138.3	2022.8	1967.9	1928.0	1808.5	1712.3	1621.6	1529.5	1463.5	1401.7	1341.2
22.5°	2168.5	2038.0	1980.2	1917.0	1803.0	1687.5	1580.3	1500.6	1419.6	1356.3	1308.3
25°	2160.3	2029.7	1965.1	1906.0	1767.2	1651.8	1555.6	1453.9	1378.3	1309.6	1246.4
27.5°	2156.1	2009.1	1940.4	1874.4	1743.9	1622.9	1502.0	1419.6	1335.7	1256.0	1209.3
30°	2145.1	1983.0	1903.3	1831.8	1695.8	1569.4	1466.3	1370.1	1286.3	1213.4	1151.6
32.5°	2108.0	1939.0	1862.1	1785.1	1643.6	1517.1	1412.7	1323.4	1239.5	1164.0	1104.9
35°	2058.6	1886.8	1803.0	1721.9	1580.3	1452.5	1356.3	1262.9	1184.6	1111.7	1055.4
37.5°	2009.1	1826.3	1748.0	1654.6	1524.0	1390.7	1291.8	1207.9	1135.1	1059.5	997.7
40°	1937.6	1754.9	1668.3	1588.6	1436.1	1311.0	1220.3	1144.7	1073.3	1001.8	949.6
42.5°	1840.1	1676.5	1587.2	1499.3	1356.3	1232.7	1144.7	1077.4	1010.0	951.0	893.2
45°	1741.1	1581.7	1502.0	1423.7	1268.4	1151.6	1070.5	1008.7	952.3	887.7	841.0
47.5°	1621.6	1486.9	1407.2	1330.2	1183.2	1066.4	992.2	934.5	882.2	828.7	784.7
50°	1499.3	1382.5	1309.6	1229.9	1089.8	983.9	911.1	863.0	820.4	769.6	733.8
52.5°	1367.3	1265.7	1203.8	1126.9	1003.2	905.6	831.4	783.3	747.6	710.5	678.9
55°	1227.2	1153.0	1087.0	1025.2	908.4	820.4	754.4	711.8	687.1	652.8	625.3
57.5°	1100.7	1029.3	989.4	919.3	817.7	731.1	678.9	643.1	614.3	593.7	571.7
60°	968.8	911.1	867.1	816.3	727.0	654.1	599.2	578.5	548.3	533.2	523.6
62.5°	842.4	801.2	759.9	721.5	641.8	573.0	531.8	505.7	487.8	472.7	464.5
65°	722.8	684.4	655.5	621.1	555.2	500.2	461.7	441.1	423.3	419.1	409.5
67.5°	606.0	589.5	557.9	530.4	474.1	431.5	402.6	376.5	366.9	362.8	354.5
70°	507.1	487.8	463.1	439.7	397.1	360.0	333.9	324.3	310.6	309.2	299.6
72.5°	417.8	394.4	376.5	358.7	327.1	294.1	280.3	266.6	259.7	254.2	250.1
75°	331.2	314.7	302.3	287.2	259.7	237.7	218.5	213.0	208.9	207.5	204.8
77.5°	247.4	236.4	230.9	215.8	196.5	177.3	169.0	160.8	160.8	158.0	159.4
80°	175.9	169.0	162.2	153.9	137.4	129.2	122.3	116.8	114.1	112.7	114.1
82.5°	111.3	107.2	105.8	100.3	89.3	85.2	79.7	75.6	75.6	75.6	75.6
85°	61.8	61.8	61.8	53.6	49.5	45.3	42.6	41.2	41.2	41.2	42.6
87.5°	26.1	26.1	22.0	22.0	20.6	17.9	16.5	16.5	17.9	17.9	19.2
90°	8.0	4.6	4.6	4.6	4.0	3.4	1.7	0.6	1.7	3.4	4.0
92.5°	86.9	51.4	44.0	36.6	26.3	17.7	11.4	8.0	11.4	17.7	26.3
95°	121.2	71.4	59.4	47.4	33.7	26.3	20.6	18.9	20.6	26.3	33.7
97.5°	115.5	76.0	65.7	55.4	43.4	36.6	31.4	31.4	31.4	36.6	43.4
100°	117.2	83.4	74.3	65.2	54.3	47.4	43.4	43.4	43.4	47.4	54.3
102.5°	122.9	93.2	84.6	76.0	65.7	59.4	56.0	54.9	56.0	59.4	65.7
105°	132.6	105.2	96.9	88.6	78.3	71.4	68.6	66.9	68.6	71.4	78.3
107.5°	142.9	117.7	109.4	101.2	91.4	84.0	81.2	80.0	81.2	84.0	91.4
110°	154.9	129.7	122.0	114.3	104.0	97.2	94.3	93.2	94.3	97.2	104.0

TEST NUMBER: P1024950

CATALOG NUMBER: S124DIP-B1020D590UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	166.3	142.3	134.6	126.9	116.6	110.3	106.9	105.7	106.9	110.3	116.6
115°	178.3	155.5	147.8	140.0	129.2	123.5	119.5	117.7	119.5	123.5	129.2
117.5°	189.8	168.0	160.0	152.0	141.7	135.5	132.0	130.3	132.0	135.5	141.7
120°	201.8	180.0	172.0	164.0	154.3	148.0	144.0	142.9	144.0	148.0	154.3
122.5°	213.2	191.5	183.8	176.0	165.2	159.5	155.5	154.3	155.5	159.5	165.2
125°	223.5	202.9	194.9	186.9	176.0	169.8	166.3	164.0	166.3	169.8	176.0
127.5°	233.2	213.2	205.2	197.2	185.8	178.9	174.9	173.2	174.9	178.9	185.8
130°	242.9	223.5	215.2	206.9	196.0	187.5	182.9	180.6	182.9	187.5	196.0
132.5°	250.9	231.5	223.8	216.0	204.0	196.0	189.8	188.0	189.8	196.0	204.0
135°	258.3	239.5	232.0	224.6	212.6	202.9	197.2	194.9	197.2	202.9	212.6
137.5°	264.1	246.3	239.2	232.1	219.5	210.3	204.0	201.8	204.0	210.3	219.5
140°	269.8	252.6	245.8	238.9	226.9	217.2	210.9	209.2	210.9	217.2	226.9
142.5°	274.9	258.3	251.8	245.2	233.8	224.6	218.9	217.2	218.9	224.6	233.8
145°	278.3	263.5	257.2	250.9	240.1	232.1	226.3	224.6	226.3	232.1	240.1
147.5°	282.3	268.1	262.4	256.6	247.5	238.9	233.8	233.2	233.8	238.9	247.5
150°	285.2	272.6	267.2	261.8	253.2	246.3	241.8	241.2	241.8	246.3	253.2
152.5°	287.5	276.6	271.8	266.9	259.5	253.2	248.6	248.6	248.6	253.2	259.5
155°	289.8	280.1	275.8	271.5	265.2	259.5	256.1	255.5	256.1	259.5	265.2
157.5°	291.5	282.9	279.5	276.1	270.3	265.8	262.3	262.3	262.3	265.8	270.3
160°	292.6	285.8	282.6	279.5	274.9	270.9	268.6	268.6	268.6	270.9	274.9
162.5°	293.8	287.5	285.2	282.9	278.9	275.5	273.8	274.3	273.8	275.5	278.9
165°	293.8	288.6	286.9	285.2	282.3	279.5	278.3	278.3	278.3	279.5	282.3
167.5°	293.8	289.8	288.4	286.9	285.2	282.9	282.3	282.9	282.3	282.9	285.2
170°	293.2	290.4	289.5	288.6	287.5	285.8	285.2	285.8	285.2	285.8	287.5
172.5°	292.6	290.9	290.4	289.8	289.2	288.1	288.1	288.6	288.1	288.1	289.2
175°	292.1	290.9	290.9	290.9	290.4	289.8	289.8	290.4	289.8	289.8	290.4
177.5°	291.5	290.9	290.9	290.9	290.9	290.4	290.9	291.5	290.9	290.4	290.9
180°	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9

TEST NUMBER: P1024950

CATALOG NUMBER: S124DIP-B1020D590UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7
2.5°	1633.9	1628.4	1631.2	1617.5	1605.1	1587.2	1572.1	1569.4	1566.6	1574.9	1569.4
5°	1587.2	1580.3	1573.5	1557.0	1532.2	1517.1	1495.1	1493.8	1485.5	1473.2	1475.9
7.5°	1536.4	1532.2	1522.6	1496.5	1474.5	1448.4	1430.6	1415.4	1408.6	1397.6	1393.5
10°	1495.1	1480.0	1471.8	1442.9	1416.8	1389.3	1366.0	1355.0	1342.6	1333.0	1326.1
12.5°	1438.8	1434.7	1411.3	1388.0	1366.0	1334.4	1316.5	1284.9	1268.4	1276.6	1273.9
15°	1401.7	1382.5	1377.0	1344.0	1306.9	1286.3	1253.3	1232.7	1225.8	1213.4	1198.3
17.5°	1352.2	1339.9	1320.6	1290.4	1247.8	1218.9	1195.6	1176.3	1168.1	1151.6	1139.2
20°	1305.5	1284.9	1269.8	1242.3	1201.1	1164.0	1135.1	1122.7	1102.1	1088.4	1081.5
22.5°	1262.9	1247.8	1225.8	1184.6	1148.8	1113.1	1078.8	1060.9	1041.7	1033.4	1022.4
25°	1210.7	1185.9	1170.8	1125.5	1087.0	1058.1	1026.5	1003.2	992.2	978.4	975.7
27.5°	1159.8	1136.5	1118.6	1078.8	1032.0	994.9	975.7	959.2	940.0	940.0	933.1
30°	1109.0	1092.5	1065.0	1026.5	982.6	946.8	924.8	909.7	902.9	897.4	896.0
32.5°	1058.1	1036.2	1019.7	967.4	934.5	901.5	885.0	872.6	864.4	863.0	864.4
35°	1005.9	981.2	964.7	918.0	885.0	854.8	847.9	836.9	832.8	831.4	838.3
37.5°	951.0	931.7	911.1	872.6	835.5	817.7	803.9	799.8	798.4	806.7	809.4
40°	900.1	883.6	864.4	823.2	795.7	776.4	769.6	765.4	770.9	779.2	783.3
42.5°	852.0	828.7	813.5	776.4	751.7	740.7	732.5	732.5	738.0	747.6	754.4
45°	801.2	783.3	768.2	735.2	713.2	700.8	699.5	700.8	707.7	714.6	722.8
47.5°	751.7	733.8	717.3	689.9	670.6	663.7	662.4	663.7	674.7	684.4	694.0
50°	706.3	687.1	672.0	645.9	630.8	622.5	623.9	630.8	639.0	652.8	665.1
52.5°	652.8	639.0	625.3	601.9	588.2	582.7	586.8	592.3	607.4	617.0	632.1
55°	600.5	588.2	577.2	559.3	548.3	544.2	546.9	555.2	567.6	584.0	601.9
57.5°	552.4	538.7	527.7	515.3	503.0	504.3	505.7	516.7	531.8	546.9	567.6
60°	498.8	490.6	481.0	465.9	460.4	460.4	464.5	476.9	490.6	515.3	533.2
62.5°	450.7	439.7	432.9	423.3	415.0	416.4	426.0	437.0	453.5	474.1	497.5
65°	401.3	388.9	383.4	375.2	372.4	373.8	380.7	397.1	415.0	432.9	454.9
67.5°	346.3	342.2	336.7	328.4	331.2	332.6	339.4	353.2	372.4	390.3	415.0
70°	299.6	291.3	290.0	283.1	283.1	287.2	301.0	310.6	328.4	347.7	373.8
72.5°	250.1	243.2	243.2	237.7	241.9	246.0	252.9	266.6	283.1	302.3	324.3
75°	199.3	196.5	199.3	196.5	196.5	203.4	211.6	222.6	240.5	261.1	279.0
77.5°	153.9	153.9	152.5	156.7	156.7	160.8	171.8	182.8	196.5	213.0	232.2
80°	112.7	112.7	112.7	116.8	120.9	120.9	127.8	141.5	153.9	164.9	182.8
82.5°	77.0	77.0	77.0	79.7	85.2	85.2	93.4	101.7	115.4	125.1	133.3
85°	46.7	46.7	45.3	48.1	49.5	53.6	60.5	66.0	72.8	81.1	89.3
87.5°	20.6	20.6	22.0	23.4	24.7	27.5	30.2	33.0	39.9	42.6	46.7
90°	4.6	4.6	4.6	8.0	8.0	9.1	10.3	9.7	10.3	10.9	11.4
92.5°	36.6	44.0	51.4	86.9	142.3	196.0	224.0	186.3	137.7	102.9	81.2
95°	47.4	59.4	71.4	121.2	214.9	351.5	465.8	479.0	423.5	334.9	258.3
97.5°	55.4	65.7	76.0	115.5	196.0	336.6	498.4	600.7	609.8	565.8	503.0
100°	65.2	74.3	83.4	117.2	181.8	298.4	459.5	605.8	689.3	700.7	672.7
102.5°	76.0	84.6	93.2	122.9	177.8	272.6	410.9	563.0	685.3	753.3	770.5
105°	88.6	96.9	105.2	132.6	180.0	260.1	374.9	509.3	640.1	739.0	795.6
107.5°	101.2	109.4	117.7	142.9	186.9	256.6	351.5	465.2	584.7	691.6	770.5
110°	114.3	122.0	129.7	154.9	194.9	257.8	340.6	433.8	535.5	634.4	717.3

TEST NUMBER: P1024950

CATALOG NUMBER: S124DIP-B1020D590UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	126.9	134.6	142.3	166.3	203.5	261.2	335.5	416.1	499.5	584.1	661.3
115°	140.0	147.8	155.5	178.3	212.6	265.8	334.4	406.4	477.8	548.1	615.0
117.5°	152.0	160.0	168.0	189.8	221.8	270.3	333.8	401.2	465.2	524.7	579.0
120°	164.0	172.0	180.0	201.8	231.5	275.5	333.8	397.2	457.2	510.4	556.1
122.5°	176.0	183.8	191.5	213.2	240.6	280.6	333.2	392.7	450.4	501.3	541.8
125°	186.9	194.9	202.9	223.5	249.8	285.8	332.6	387.5	442.4	491.5	531.0
127.5°	197.2	205.2	213.2	233.2	257.8	289.8	331.5	380.7	433.2	480.7	520.1
130°	206.9	215.2	223.5	242.9	265.2	294.4	330.9	374.4	421.8	467.0	505.8
132.5°	216.0	223.8	231.5	250.9	272.6	298.4	330.4	368.7	409.8	451.5	489.3
135°	224.6	232.0	239.5	258.3	278.9	302.4	329.8	362.9	398.9	436.1	471.0
137.5°	232.1	239.2	246.3	264.1	283.5	304.6	329.8	357.8	388.7	421.2	451.5
140°	238.9	245.8	252.6	269.8	288.1	307.5	329.2	353.8	380.1	406.9	432.7
142.5°	245.2	251.8	258.3	274.9	291.5	309.8	329.2	350.4	372.1	394.9	416.1
145°	250.9	257.2	263.5	278.3	293.8	310.4	328.1	346.4	364.7	384.1	401.2
147.5°	256.6	262.4	268.1	282.3	296.1	310.9	326.4	342.9	358.4	374.4	388.7
150°	261.8	267.2	272.6	285.2	297.8	310.9	324.6	338.9	352.6	365.8	377.2
152.5°	266.9	271.8	276.6	287.5	298.9	309.8	321.8	334.4	346.4	357.2	367.5
155°	271.5	275.8	280.1	289.8	299.5	308.6	318.9	329.8	340.1	349.2	357.8
157.5°	276.1	279.5	282.9	291.5	299.5	307.5	316.1	325.2	333.2	341.2	348.6
160°	279.5	282.6	285.8	292.6	299.5	305.8	312.6	320.1	326.9	333.2	339.5
162.5°	282.9	285.2	287.5	293.8	299.5	304.1	309.2	315.5	320.6	325.8	330.4
165°	285.2	286.9	288.6	293.8	298.4	301.8	305.8	310.4	314.9	318.4	322.4
167.5°	286.9	288.4	289.8	293.8	297.2	299.5	302.4	305.8	309.2	312.1	315.5
170°	288.6	289.5	290.4	293.2	296.1	297.2	298.9	301.2	304.1	305.8	308.1
172.5°	289.8	290.4	290.9	292.6	294.9	294.9	295.5	297.2	299.5	300.6	301.8
175°	290.9	290.9	290.9	292.1	293.8	293.2	293.2	294.4	295.5	296.1	297.2
177.5°	290.9	290.9	290.9	291.5	292.6	291.5	291.5	292.1	292.6	293.2	293.2
180°	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9

TEST NUMBER: P1024950

CATALOG NUMBER: S124DIP-B1020D590UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7
2.5°	1565.2	1563.9	1557.0	1559.7	1551.5	1554.2	1558.4	1559.7	1565.2	1561.1	1559.7
5°	1469.0	1466.3	1462.2	1458.0	1456.7	1462.2	1452.5	1455.3	1458.0	1462.2	1467.7
7.5°	1390.7	1389.3	1385.2	1378.3	1375.6	1372.8	1374.2	1383.8	1382.5	1381.1	1390.7
10°	1319.2	1320.6	1312.4	1311.0	1302.8	1301.4	1302.8	1305.5	1309.6	1315.1	1316.5
12.5°	1245.0	1262.9	1247.8	1242.3	1229.9	1236.8	1239.5	1227.2	1234.0	1238.2	1258.8
15°	1198.3	1190.1	1180.5	1180.5	1175.0	1172.2	1165.3	1175.0	1180.5	1188.7	1185.9
17.5°	1133.7	1120.0	1114.5	1109.0	1110.4	1115.9	1100.7	1122.7	1122.7	1126.9	1120.0
20°	1077.4	1066.4	1059.5	1056.8	1052.6	1049.9	1048.5	1054.0	1062.3	1065.0	1071.9
22.5°	1018.3	1018.3	1007.3	1003.2	1000.4	996.3	1003.2	999.1	1004.6	1010.0	1021.0
25°	968.8	968.8	964.7	959.2	955.1	952.3	956.5	955.1	959.2	966.1	968.8
27.5°	929.0	924.8	923.5	922.1	920.7	922.1	920.7	924.8	929.0	930.3	927.6
30°	894.6	890.5	891.9	891.9	893.2	891.9	890.5	894.6	896.0	893.2	894.6
32.5°	863.0	863.0	865.8	867.1	867.1	868.5	869.9	867.1	868.5	864.4	865.8
35°	836.9	839.6	842.4	843.8	845.1	843.8	846.5	845.1	842.4	839.6	838.3
37.5°	810.8	813.5	819.0	820.4	824.5	825.9	823.2	823.2	821.8	816.3	813.5
40°	783.3	786.1	792.9	797.0	799.8	803.9	801.2	801.2	795.7	790.2	786.1
42.5°	757.2	762.7	769.6	773.7	779.2	779.2	779.2	776.4	769.6	764.1	759.9
45°	731.1	732.5	742.1	748.9	754.4	754.4	754.4	750.3	746.2	735.2	729.7
47.5°	702.2	706.3	717.3	724.2	729.7	731.1	731.1	727.0	718.7	709.1	702.2
50°	670.6	677.5	689.9	699.5	706.3	709.1	705.0	702.2	692.6	681.6	673.4
52.5°	640.4	648.6	663.7	672.0	681.6	683.0	681.6	677.5	666.5	651.4	644.5
55°	610.2	617.0	633.5	647.3	655.5	658.2	655.5	648.6	634.9	619.8	612.9
57.5°	577.2	586.8	604.7	618.4	628.0	629.4	626.6	619.8	608.8	589.5	579.9
60°	542.8	555.2	573.0	586.8	599.2	600.5	597.8	588.2	574.4	555.2	546.9
62.5°	508.5	518.1	538.7	553.8	563.4	570.3	564.8	555.2	541.4	522.2	509.8
65°	468.6	482.3	500.2	514.0	525.0	526.3	523.6	515.3	500.2	479.6	470.0
67.5°	430.1	439.7	457.6	475.5	479.6	483.7	479.6	471.4	459.0	441.1	427.4
70°	383.4	391.7	413.6	426.0	431.5	435.6	432.9	424.6	413.6	397.1	386.2
72.5°	336.7	343.6	364.2	373.8	384.8	383.4	382.0	376.5	361.4	350.4	343.6
75°	287.2	295.5	309.2	321.6	325.7	325.7	325.7	321.6	311.9	294.1	287.2
77.5°	241.9	246.0	257.0	263.8	268.0	269.3	268.0	261.1	255.6	243.2	239.1
80°	185.5	196.5	204.8	206.1	211.6	211.6	211.6	208.9	203.4	191.0	189.6
82.5°	140.2	142.9	151.2	155.3	158.0	156.7	156.7	151.2	149.8	142.9	140.2
85°	94.8	98.9	97.6	103.1	104.4	101.7	101.7	104.4	97.6	98.9	94.8
87.5°	52.2	52.2	55.0	53.6	59.1	59.1	56.3	57.7	55.0	53.6	52.2
90°	11.4	11.4	12.0	12.6	12.0	12.0	12.0	12.6	12.0	11.4	11.4
92.5°	74.1	66.9	58.3	54.3	52.0	52.0	52.0	54.3	58.3	66.9	74.1
95°	230.6	202.9	174.9	157.2	146.9	139.5	146.9	157.2	174.9	202.9	230.6
97.5°	471.0	439.0	400.1	365.8	348.6	334.9	348.6	365.8	400.1	439.0	471.0
100°	651.6	630.4	580.7	545.8	528.7	524.1	528.7	545.8	580.7	630.4	651.6
102.5°	764.8	759.0	733.3	710.4	692.2	688.7	692.2	710.4	733.3	759.0	764.8
105°	807.3	819.0	820.2	815.6	807.6	804.2	807.6	815.6	820.2	819.0	807.3
107.5°	794.5	818.5	843.6	853.9	858.5	859.0	858.5	853.9	843.6	818.5	794.5
110°	748.8	780.2	820.8	844.8	855.0	860.2	855.0	844.8	820.8	780.2	748.8

TEST NUMBER: P1024950

CATALOG NUMBER: S124DIP-B1020D590UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	692.8	724.2	771.6	801.9	817.3	826.5	817.3	801.9	771.6	724.2	692.8
115°	642.4	669.9	715.0	749.3	767.6	772.2	767.6	749.3	715.0	669.9	642.4
117.5°	603.0	627.0	667.0	696.7	716.2	719.0	716.2	696.7	667.0	627.0	603.0
120°	576.4	596.7	629.3	654.4	669.3	675.6	669.3	654.4	629.3	596.7	576.4
122.5°	559.0	576.1	602.4	623.0	635.0	641.3	635.0	623.0	602.4	576.1	559.0
125°	546.7	562.4	585.3	601.8	612.7	616.1	612.7	601.8	585.3	562.4	546.7
127.5°	535.0	549.8	572.7	587.6	596.7	600.1	596.7	587.6	572.7	549.8	535.0
130°	521.0	536.1	559.6	573.8	583.0	586.4	583.0	573.8	559.6	536.1	521.0
132.5°	504.4	519.5	542.4	559.0	567.6	571.0	567.6	559.0	542.4	519.5	504.4
135°	485.2	499.5	522.4	538.4	547.5	551.0	547.5	538.4	522.4	499.5	485.2
137.5°	464.6	477.8	499.5	516.1	523.5	527.5	523.5	516.1	499.5	477.8	464.6
140°	444.7	456.7	476.7	489.3	497.3	501.8	497.3	489.3	476.7	456.7	444.7
142.5°	426.1	436.1	453.2	464.7	471.5	474.4	471.5	464.7	453.2	436.1	426.1
145°	409.2	417.2	431.5	441.2	447.0	449.8	447.0	441.2	431.5	417.2	409.2
147.5°	395.2	401.8	412.7	421.2	425.8	427.0	425.8	421.2	412.7	401.8	395.2
150°	382.4	387.5	396.7	404.1	407.5	408.1	407.5	404.1	396.7	387.5	382.4
152.5°	371.5	375.5	382.9	388.7	390.4	390.9	390.4	388.7	382.9	375.5	371.5
155°	361.2	364.7	370.4	374.9	376.7	376.7	376.7	374.9	370.4	364.7	361.2
157.5°	351.5	354.4	358.9	362.4	363.5	363.5	363.5	362.4	358.9	354.4	351.5
160°	341.8	344.1	347.5	350.9	351.5	351.5	351.5	350.9	347.5	344.1	341.8
162.5°	332.4	334.4	336.6	340.1	340.6	340.1	340.6	340.1	336.6	334.4	332.4
165°	323.8	325.2	327.5	329.8	329.2	328.6	329.2	329.8	327.5	325.2	323.8
167.5°	316.4	317.2	318.4	320.1	320.1	319.5	320.1	320.1	318.4	317.2	316.4
170°	309.0	309.8	310.9	311.5	310.9	310.9	310.9	311.5	310.9	309.8	309.0
172.5°	302.4	302.9	303.5	304.1	303.5	302.4	303.5	304.1	303.5	302.9	302.4
175°	297.2	297.2	297.2	298.4	297.2	296.1	297.2	298.4	297.2	297.2	297.2
177.5°	293.5	293.8	293.2	293.8	292.6	291.5	292.6	293.8	293.2	293.8	293.5
180°	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9

TEST NUMBER: P1024950

CATALOG NUMBER: S124DIP-B1020D590UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7	1658.7
2.5°	1559.7	1568.0	1559.7	1565.2	1568.0	1574.9	1577.6	1590.0	1594.1	1603.7	1603.7
5°	1466.3	1470.4	1471.8	1477.3	1482.8	1496.5	1506.1	1524.0	1544.6	1547.4	1559.7
7.5°	1390.7	1397.6	1408.6	1404.4	1414.1	1434.7	1447.0	1469.0	1489.6	1500.6	1515.8
10°	1323.4	1331.6	1335.7	1339.9	1357.7	1375.6	1394.8	1409.9	1437.4	1453.9	1466.3
12.5°	1268.4	1261.5	1269.8	1284.9	1305.5	1316.5	1342.6	1366.0	1386.6	1404.4	1415.4
15°	1196.9	1202.4	1210.7	1236.8	1242.3	1269.8	1279.4	1305.5	1344.0	1360.5	1374.2
17.5°	1128.2	1146.1	1162.6	1172.2	1188.7	1210.7	1238.2	1267.0	1291.8	1311.0	1327.5
20°	1073.3	1091.1	1100.7	1107.6	1124.1	1154.3	1180.5	1216.2	1247.8	1262.9	1284.9
22.5°	1029.3	1029.3	1043.0	1063.6	1073.3	1102.1	1124.1	1162.6	1196.9	1216.2	1236.8
25°	974.3	982.6	993.6	1011.4	1025.2	1048.5	1080.1	1113.1	1150.2	1166.7	1192.8
27.5°	929.0	938.6	953.7	957.8	971.6	992.2	1025.2	1060.9	1099.4	1117.2	1139.2
30°	894.6	900.1	905.6	913.9	926.2	944.1	971.6	1003.2	1049.9	1063.6	1091.1
32.5°	864.4	867.1	869.9	876.7	883.6	901.5	923.5	957.8	996.3	1016.9	1041.7
35°	836.9	834.1	835.5	839.6	846.5	853.4	876.7	905.6	941.3	966.1	985.3
37.5°	810.8	805.3	803.9	803.9	806.7	814.9	832.8	857.5	896.0	916.6	935.8
40°	781.9	776.4	773.7	772.3	770.9	776.4	790.2	814.9	845.1	864.4	886.4
42.5°	754.4	748.9	742.1	740.7	738.0	740.7	750.3	773.7	799.8	819.0	836.9
45°	727.0	717.3	709.1	703.6	705.0	700.8	707.7	725.6	755.8	768.2	786.1
47.5°	696.7	685.7	674.7	669.2	663.7	666.5	669.2	684.4	710.5	722.8	740.7
50°	667.9	652.8	640.4	633.5	629.4	626.6	629.4	644.5	663.7	674.7	689.9
52.5°	634.9	619.8	607.4	596.4	590.9	586.8	588.2	601.9	619.8	630.8	645.9
55°	604.7	585.4	568.9	555.2	551.1	549.7	548.3	557.9	573.0	584.0	596.4
57.5°	570.3	551.1	533.2	516.7	508.5	507.1	507.1	509.8	529.1	537.3	544.2
60°	535.9	515.3	496.1	481.0	468.6	464.5	463.1	468.6	478.2	486.5	496.1
62.5°	497.5	476.9	453.5	439.7	427.4	416.4	420.5	421.9	435.6	439.7	448.0
65°	460.4	437.0	417.8	395.8	382.0	375.2	372.4	375.2	386.2	387.5	393.0
67.5°	417.8	395.8	372.4	357.3	344.9	332.6	329.8	329.8	335.3	339.4	346.3
70°	376.5	354.5	328.4	311.9	299.6	288.6	284.5	283.1	287.2	290.0	296.8
72.5°	328.4	306.4	287.2	269.3	254.2	246.0	241.9	239.1	243.2	246.0	247.4
75°	277.6	259.7	240.5	222.6	213.0	204.8	199.3	195.1	197.9	197.9	197.9
77.5°	229.5	211.6	196.5	184.1	171.8	162.2	158.0	153.9	155.3	155.3	158.0
80°	178.6	166.3	153.9	142.9	131.9	123.7	120.9	116.8	114.1	112.7	112.7
82.5°	131.9	122.3	111.3	101.7	96.2	87.9	85.2	79.7	79.7	78.3	78.3
85°	87.9	82.5	71.5	64.6	60.5	56.3	53.6	50.8	46.7	46.7	45.3
87.5°	46.7	44.0	41.2	33.0	33.0	28.9	27.5	26.1	22.0	23.4	23.4
90°	11.4	10.9	10.3	9.7	10.3	9.1	8.0	8.0	4.6	4.6	4.6
92.5°	81.2	102.9	137.7	186.3	224.0	196.0	142.3	86.9	51.4	44.0	36.6
95°	258.3	334.9	423.5	479.0	465.8	351.5	214.9	121.2	71.4	59.4	47.4
97.5°	503.0	565.8	609.8	600.7	498.4	336.6	196.0	115.5	76.0	65.7	55.4
100°	672.7	700.7	689.3	605.8	459.5	298.4	181.8	117.2	83.4	74.3	65.2
102.5°	770.5	753.3	685.3	563.0	410.9	272.6	177.8	122.9	93.2	84.6	76.0
105°	795.6	739.0	640.1	509.3	374.9	260.1	180.0	132.6	105.2	96.9	88.6
107.5°	770.5	691.6	584.7	465.2	351.5	256.6	186.9	142.9	117.7	109.4	101.2
110°	717.3	634.4	535.5	433.8	340.6	257.8	194.9	154.9	129.7	122.0	114.3

TEST NUMBER: P1024950

CATALOG NUMBER: S124DIP-B1020D590UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	661.3	584.1	499.5	416.1	335.5	261.2	203.5	166.3	142.3	134.6	126.9
115°	615.0	548.1	477.8	406.4	334.4	265.8	212.6	178.3	155.5	147.8	140.0
117.5°	579.0	524.7	465.2	401.2	333.8	270.3	221.8	189.8	168.0	160.0	152.0
120°	556.1	510.4	457.2	397.2	333.8	275.5	231.5	201.8	180.0	172.0	164.0
122.5°	541.8	501.3	450.4	392.7	333.2	280.6	240.6	213.2	191.5	183.8	176.0
125°	531.0	491.5	442.4	387.5	332.6	285.8	249.8	223.5	202.9	194.9	186.9
127.5°	520.1	480.7	433.2	380.7	331.5	289.8	257.8	233.2	213.2	205.2	197.2
130°	505.8	467.0	421.8	374.4	330.9	294.4	265.2	242.9	223.5	215.2	206.9
132.5°	489.3	451.5	409.8	368.7	330.4	298.4	272.6	250.9	231.5	223.8	216.0
135°	471.0	436.1	398.9	362.9	329.8	302.4	278.9	258.3	239.5	232.0	224.6
137.5°	451.5	421.2	388.7	357.8	329.8	304.6	283.5	264.1	246.3	239.2	232.1
140°	432.7	406.9	380.1	353.8	329.2	307.5	288.1	269.8	252.6	245.8	238.9
142.5°	416.1	394.9	372.1	350.4	329.2	309.8	291.5	274.9	258.3	251.8	245.2
145°	401.2	384.1	364.7	346.4	328.1	310.4	293.8	278.3	263.5	257.2	250.9
147.5°	388.7	374.4	358.4	342.9	326.4	310.9	296.1	282.3	268.1	262.4	256.6
150°	377.2	365.8	352.6	338.9	324.6	310.9	297.8	285.2	272.6	267.2	261.8
152.5°	367.5	357.2	346.4	334.4	321.8	309.8	298.9	287.5	276.6	271.8	266.9
155°	357.8	349.2	340.1	329.8	318.9	308.6	299.5	289.8	280.1	275.8	271.5
157.5°	348.6	341.2	333.2	325.2	316.1	307.5	299.5	291.5	282.9	279.5	276.1
160°	339.5	333.2	326.9	320.1	312.6	305.8	299.5	292.6	285.8	282.6	279.5
162.5°	330.4	325.8	320.6	315.5	309.2	304.1	299.5	293.8	287.5	285.2	282.9
165°	322.4	318.4	314.9	310.4	305.8	301.8	298.4	293.8	288.6	286.9	285.2
167.5°	315.5	312.1	309.2	305.8	302.4	299.5	297.2	293.8	289.8	288.4	286.9
170°	308.1	305.8	304.1	301.2	298.9	297.2	296.1	293.2	290.4	289.5	288.6
172.5°	301.8	300.6	299.5	297.2	295.5	294.9	294.9	292.6	290.9	290.4	289.8
175°	297.2	296.1	295.5	294.4	293.2	293.2	293.8	292.1	290.9	290.9	290.9
177.5°	293.2	293.2	292.6	292.1	291.5	291.5	292.6	291.5	290.9	290.9	290.9
180°	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9

TEST NUMBER: P1024950

CATALOG NUMBER: S124DIP-B1020D590UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1658.7	1658.7	1658.7	1658.7
2.5°	1613.3	1627.1	1639.4	1658.7
5°	1577.6	1596.8	1622.9	1651.8
7.5°	1536.4	1566.6	1601.0	1640.8
10°	1497.9	1532.2	1576.2	1624.3
12.5°	1458.0	1499.3	1547.4	1599.6
15°	1412.7	1453.9	1507.5	1577.6
17.5°	1371.5	1420.9	1478.7	1552.9
20°	1323.4	1370.1	1433.3	1518.5
22.5°	1280.8	1334.4	1404.4	1478.7
25°	1234.0	1280.8	1350.9	1440.2
27.5°	1187.3	1245.0	1312.4	1399.0
30°	1142.0	1190.1	1262.9	1353.6
32.5°	1092.5	1150.2	1217.6	1302.8
35°	1038.9	1093.9	1157.1	1249.2
37.5°	990.8	1044.4	1109.0	1190.1
40°	937.2	993.6	1052.6	1133.7
42.5°	885.0	935.8	994.9	1069.1
45°	834.1	878.1	931.7	996.3
47.5°	781.9	819.0	868.5	926.2
50°	725.6	765.4	802.5	850.6
52.5°	673.4	707.7	738.0	777.8
55°	622.5	645.9	670.6	700.8
57.5°	568.9	586.8	604.7	636.3
60°	515.3	531.8	541.4	562.1
62.5°	463.1	470.0	482.3	494.7
65°	405.4	415.0	421.9	437.0
67.5°	353.2	357.3	364.2	373.8
70°	298.2	307.8	310.6	317.4
72.5°	251.5	255.6	258.4	259.7
75°	199.3	203.4	206.1	214.4
77.5°	156.7	155.3	160.8	162.2
80°	115.4	111.3	112.7	118.2
82.5°	75.6	77.0	75.6	75.6
85°	46.7	45.3	42.6	44.0
87.5°	20.6	20.6	19.2	19.2
90°	4.0	3.4	1.7	0.6
92.5°	26.3	17.7	11.4	8.0
95°	33.7	26.3	20.6	18.9
97.5°	43.4	36.6	31.4	31.4
100°	54.3	47.4	43.4	43.4
102.5°	65.7	59.4	56.0	54.9
105°	78.3	71.4	68.6	66.9
107.5°	91.4	84.0	81.2	80.0
110°	104.0	97.2	94.3	93.2

TEST NUMBER: P1024950

CATALOG NUMBER: S124DIP-B1020D590UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	116.6	110.3	106.9	105.7
115°	129.2	123.5	119.5	117.7
117.5°	141.7	135.5	132.0	130.3
120°	154.3	148.0	144.0	142.9
122.5°	165.2	159.5	155.5	154.3
125°	176.0	169.8	166.3	164.0
127.5°	185.8	178.9	174.9	173.2
130°	196.0	187.5	182.9	180.6
132.5°	204.0	196.0	189.8	188.0
135°	212.6	202.9	197.2	194.9
137.5°	219.5	210.3	204.0	201.8
140°	226.9	217.2	210.9	209.2
142.5°	233.8	224.6	218.9	217.2
145°	240.1	232.1	226.3	224.6
147.5°	247.5	238.9	233.8	233.2
150°	253.2	246.3	241.8	241.2
152.5°	259.5	253.2	248.6	248.6
155°	265.2	259.5	256.1	255.5
157.5°	270.3	265.8	262.3	262.3
160°	274.9	270.9	268.6	268.6
162.5°	278.9	275.5	273.8	274.3
165°	282.3	279.5	278.3	278.3
167.5°	285.2	282.9	282.3	282.9
170°	287.5	285.8	285.2	285.8
172.5°	289.2	288.1	288.1	288.6
175°	290.4	289.8	289.8	290.4
177.5°	290.9	290.4	290.9	291.5
180°	290.9	290.9	290.9	290.9

(END OF REPORT)