

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: P1028230

Luminaire Tested: S125DIP-B850D1090UB50-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1028230
REPORT IS A COMBINATION OF REPORTS P1002472 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIP-B850D1090UB50-4F0-XX-W2A-A4
Description: Define 5 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

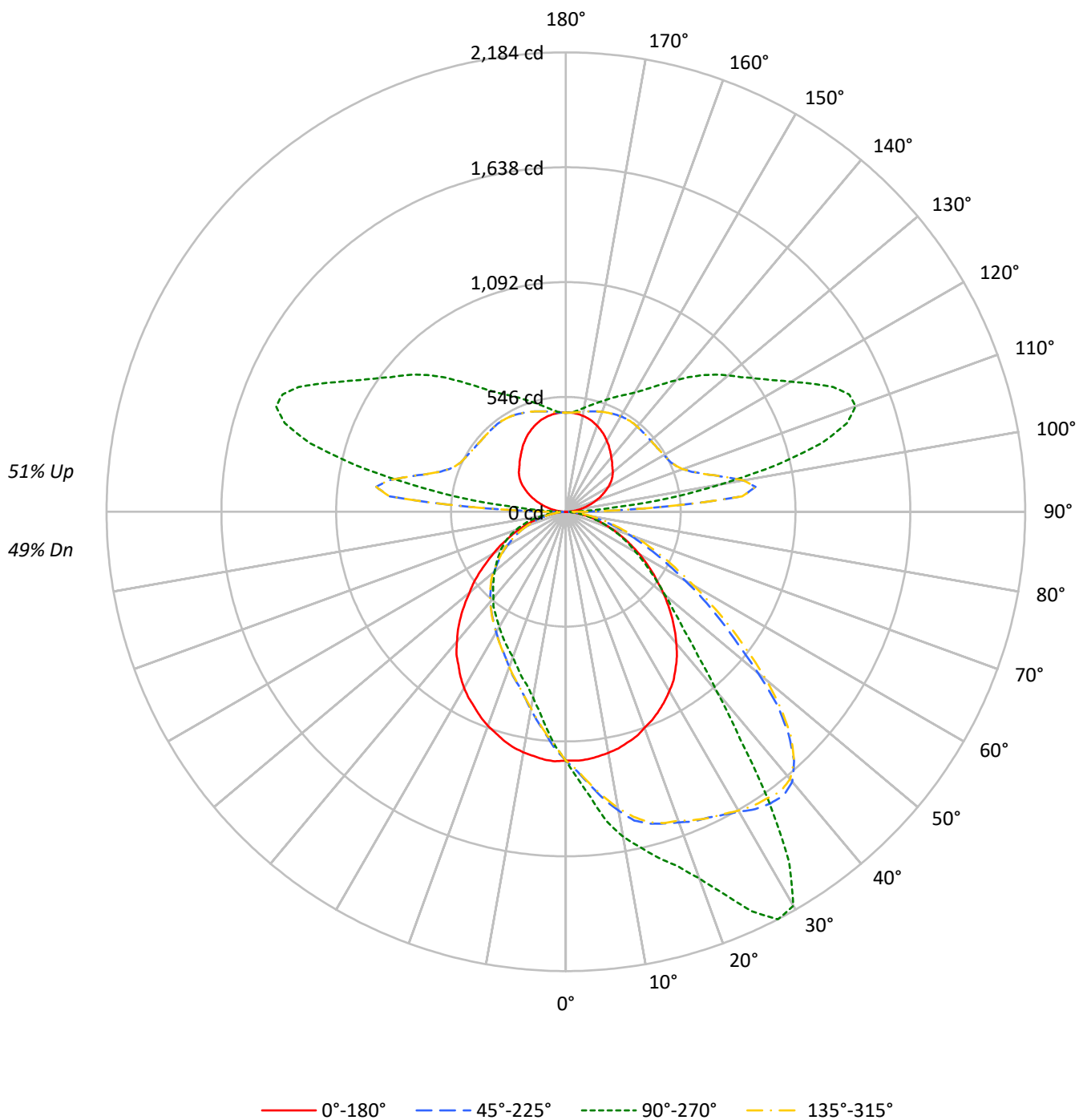
Lumens per Lamp: N/A
Luminaire Lumens: 6879.0 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 64.4
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	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49		
1	98	93	90	86	90	86	83	80	73	70	68	60	59	57	49	48	47	41		
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	40	35		
3	81	72	65	59	75	67	60	55	57	52	48	47	44	41	38	36	34	30		
4	75	64	56	50	68	59	52	47	50	45	41	42	38	35	34	32	29	26		
5	68	57	49	43	63	53	46	40	45	40	35	38	34	30	31	28	26	22		
6	63	51	43	37	58	47	40	35	41	35	31	34	30	27	28	25	23	20		
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	17		
8	54	42	34	29	50	39	32	27	34	28	24	28	24	21	24	20	18	16		
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	19	16	14		
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	15	13		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7577	7577	7577	7577
5°	7583	8596	7589	6521
10°	7536	9797	7523	5598
15°	7481	10622	7434	5057
20°	7387	11640	7319	4617
25°	7302	13337	7170	4356
30°	7182	14070	7057	4120
35°	6991	11279	6845	3931
40°	6694	7796	6595	3730
45°	6319	5804	6247	3563
50°	5888	4778	5791	3430
55°	5424	4075	5381	3314
60°	4969	3488	4882	3224
65°	4478	3013	4406	3093
70°	3960	2502	3907	2865
75°	3410	1935	3365	2487
80°	2692	1308	2595	1827
85°	1721	654	1664	932

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 11573 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.8	1.7
10°-20°	339.0	4.9
20°-30°	550.7	8.0
30°-40°	673.0	9.8
40°-50°	610.5	8.9
50°-60°	486.2	7.1
60°-70°	338.7	4.9
70°-80°	180.4	2.6
80°-90°	46.6	0.7
90°-100°	342.8	5.0
100°-110°	739.3	10.7
110°-120°	689.3	10.0
120°-130°	558.3	8.1
130°-140°	448.3	6.5
140°-150°	338.1	4.9
150°-160°	238.1	3.5
160°-170°	140.3	2.0
170°-180°	45.6	0.7
0°-30°	1003.5	14.6
0°-40°	1676.5	24.4
0°-60°	2773.2	40.3
0°-90°	3338.9	48.5
90°-120°	1771.4	25.8
90°-150°	3116.1	45.3
90°-180°	3540.0	51.5
0°-180°	6879.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1183	1183	1183	1183	1183	
5°	1182	1364	1183	1035	1182	112
15°	1135	1704	1128	811	1135	320
25°	1045	2096	1026	685	1045	481
35°	910	1682	890	586	910	568
45°	715	793	707	487	715	551
55°	503	489	499	398	503	450
65°	311	300	306	308	311	309
75°	151	148	149	190	151	160
85°	30	33	29	47	30	36
90°	1	22	1	22	1	4
95°	31	223	31	223	31	33
105°	107	1259	107	1259	107	113
115°	192	1403	192	1403	192	189
125°	266	1105	266	1105	266	236
135°	312	918	312	918	312	242
145°	363	724	363	724	363	228
155°	414	607	414	607	414	191
165°	452	532	452	532	452	127
175°	470	478	470	478	470	45
180°	471	471	471	471	471	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6
2.5°	1184.6	1191.6	1199.6	1205.6	1215.7	1218.7	1223.7	1226.7	1229.7	1232.7	1234.8
5°	1181.6	1198.6	1213.7	1224.7	1243.8	1250.8	1259.9	1270.9	1283.9	1295.0	1302.0
7.5°	1173.5	1200.6	1220.7	1242.8	1268.9	1286.0	1295.0	1318.1	1339.2	1355.2	1376.3
10°	1163.5	1195.6	1226.7	1259.9	1297.0	1316.1	1334.1	1366.3	1395.4	1421.5	1442.6
12.5°	1152.4	1191.6	1228.7	1271.9	1322.1	1345.2	1357.2	1412.4	1448.6	1462.6	1503.8
15°	1135.4	1181.6	1234.8	1288.0	1330.1	1357.2	1390.4	1434.5	1470.7	1501.8	1534.9
17.5°	1119.3	1169.5	1223.7	1282.9	1344.2	1379.3	1404.4	1443.6	1482.7	1522.9	1554.0
20°	1093.2	1158.5	1213.7	1276.9	1349.2	1374.3	1400.4	1446.6	1488.7	1531.9	1571.1
22.5°	1072.1	1134.4	1209.7	1269.9	1331.1	1356.2	1388.3	1436.5	1486.7	1535.9	1593.1
25°	1045.0	1114.3	1179.5	1243.8	1307.0	1334.1	1363.3	1425.5	1477.7	1540.9	1604.2
27.5°	1015.9	1087.2	1152.4	1210.7	1269.9	1307.0	1338.2	1403.4	1472.7	1541.9	1624.3
30°	984.8	1052.1	1114.3	1171.5	1236.8	1274.9	1306.0	1382.3	1459.6	1548.0	1646.3
32.5°	951.7	1014.9	1068.1	1126.3	1195.6	1230.7	1272.9	1356.2	1447.6	1553.0	1676.5
35°	909.5	969.7	1016.9	1076.1	1145.4	1190.6	1234.8	1328.1	1434.5	1552.0	1693.5
37.5°	867.3	914.5	959.7	1022.9	1103.2	1144.4	1190.6	1293.0	1414.4	1549.0	1700.6
40°	817.1	863.3	902.5	966.7	1051.0	1098.2	1146.4	1253.8	1391.4	1537.9	1675.5
42.5°	767.0	806.1	849.3	916.5	997.8	1048.0	1099.2	1218.7	1361.2	1505.8	1606.2
45°	714.8	744.9	792.1	853.3	939.6	987.8	1046.0	1175.5	1319.1	1447.6	1497.8
47.5°	660.5	690.7	734.8	794.1	879.4	936.6	991.8	1121.3	1265.9	1365.3	1365.3
50°	608.3	632.4	675.6	734.8	821.2	873.4	929.6	1067.1	1183.6	1256.8	1191.6
52.5°	552.1	579.2	615.4	677.6	762.9	810.1	871.4	988.8	1099.2	1129.4	1029.0
55°	502.9	525.0	559.2	618.4	697.7	746.9	799.1	911.5	1004.9	1002.9	895.4
57.5°	451.7	469.8	505.9	560.2	633.4	677.6	729.8	827.2	903.5	876.4	775.0
60°	404.6	417.6	452.7	496.9	567.2	608.3	658.5	737.8	796.1	757.9	655.5
62.5°	355.4	370.4	398.5	441.7	503.9	537.1	574.2	654.5	691.7	657.5	553.1
65°	311.2	323.2	348.3	384.5	440.7	470.8	502.9	569.2	604.3	555.1	468.8
67.5°	267.0	281.1	299.2	331.3	375.4	403.6	431.7	488.9	504.9	460.8	388.5
70°	225.9	237.9	255.0	278.1	315.2	340.3	361.4	408.6	419.6	378.5	321.2
72.5°	185.7	193.7	207.8	226.9	261.0	275.1	297.1	329.3	343.3	306.2	265.0
75°	150.6	156.6	165.6	179.7	202.8	217.8	235.9	266.0	265.0	238.9	209.8
77.5°	116.4	117.5	127.5	140.5	154.6	167.6	176.7	197.8	199.8	183.7	159.6
80°	83.3	86.3	90.3	100.4	112.4	117.5	128.5	141.5	143.6	131.5	115.4
82.5°	53.2	55.2	58.2	64.2	72.3	78.3	84.3	89.3	94.4	87.3	74.3
85°	30.1	31.1	34.1	36.1	40.2	43.2	48.2	53.2	52.2	47.2	43.2
87.5°	15.1	15.1	15.1	17.1	19.1	19.1	21.1	22.1	23.1	21.1	19.1
90°	1.0	1.9	3.8	5.7	7.6	8.6	9.5	10.5	12.4	13.3	15.2
92.5°	14.3	17.1	26.6	40.9	60.8	77.9	95.0	159.6	268.0	385.8	379.2
95°	31.4	32.3	39.9	50.4	71.3	92.6	114.0	215.7	424.8	687.0	841.9
97.5°	48.5	49.4	55.1	65.6	84.6	100.2	115.9	186.3	346.8	630.0	909.4
100°	66.5	68.4	72.2	82.7	100.7	115.0	129.2	184.3	307.9	547.3	858.1
102.5°	86.5	87.4	90.3	101.7	117.8	131.6	145.4	192.9	291.7	484.6	767.8
105°	107.4	107.4	112.1	121.6	136.8	150.1	163.4	205.3	289.8	448.5	688.9
107.5°	127.3	129.2	134.0	141.6	157.7	169.6	181.5	222.4	296.5	429.5	630.0
110°	149.2	151.1	154.9	163.4	177.7	190.0	202.4	241.4	306.9	421.9	591.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	171.0	172.9	175.8	184.3	198.6	210.5	222.4	259.4	320.2	421.9	568.3
115°	192.0	193.9	196.7	205.3	219.5	231.4	243.3	278.4	333.5	424.8	553.0
117.5°	211.0	213.8	216.7	225.2	241.4	252.8	264.2	297.4	348.7	429.5	544.5
120°	230.0	232.8	236.6	245.2	261.3	273.2	285.1	318.3	363.9	437.1	538.8
122.5°	249.9	251.8	254.7	263.2	281.3	293.2	305.0	338.3	381.1	443.8	534.0
125°	266.1	268.0	272.7	281.3	299.3	311.6	324.0	355.4	396.3	451.4	530.2
127.5°	279.4	282.2	287.9	298.4	317.4	329.8	342.1	372.5	410.5	459.9	528.3
130°	291.7	294.6	302.2	314.5	334.5	346.8	359.2	388.7	424.8	467.5	526.4
132.5°	301.2	305.0	314.5	328.8	349.7	362.0	374.4	403.9	437.1	476.1	526.4
135°	311.7	315.5	326.9	342.1	362.0	374.8	387.7	417.2	448.5	483.7	526.4
137.5°	325.0	327.8	338.3	353.5	373.5	386.8	400.1	426.7	457.1	491.3	527.4
140°	336.4	339.2	350.6	365.8	383.9	396.8	409.6	437.1	465.6	496.0	528.3
142.5°	349.7	351.6	362.0	377.3	394.4	406.2	418.1	443.8	470.4	498.9	529.3
145°	363.0	364.9	374.4	387.7	404.8	415.8	426.7	451.4	475.1	500.8	528.3
147.5°	377.3	378.2	386.8	399.1	414.3	424.3	434.3	456.1	478.0	501.7	526.4
150°	389.6	391.5	398.2	410.5	423.8	431.9	440.0	460.9	480.8	501.7	523.6
152.5°	402.9	403.9	409.6	420.0	432.4	439.5	446.6	465.6	482.7	500.8	519.8
155°	414.3	414.3	420.0	429.5	439.0	445.6	452.3	468.5	483.7	498.9	515.0
157.5°	424.8	424.8	429.5	438.1	446.6	451.8	457.1	471.3	484.6	497.0	510.3
160°	435.2	434.3	438.1	444.7	452.3	456.6	460.9	473.2	484.6	494.1	505.5
162.5°	443.8	442.8	446.6	452.3	458.0	461.4	464.7	475.1	483.7	491.3	499.8
165°	452.3	450.4	453.3	458.0	461.8	464.6	467.5	475.1	482.7	488.4	494.1
167.5°	458.0	457.1	459.0	461.8	464.7	466.6	468.5	475.1	480.8	483.7	488.4
170°	463.7	462.8	463.7	465.6	467.5	469.0	470.4	475.1	478.9	480.8	483.7
172.5°	467.5	465.6	466.6	468.5	469.4	469.9	470.4	474.2	477.0	477.0	478.0
175°	470.4	468.5	469.4	470.4	470.4	470.4	470.4	473.2	475.1	474.2	474.2
177.5°	472.3	470.4	470.4	471.3	470.4	470.4	470.4	472.3	473.2	471.3	471.3
180°	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6
2.5°	1236.8	1243.8	1249.8	1254.8	1258.8	1264.9	1260.9	1261.9	1263.9	1267.9	1267.9
5°	1317.1	1328.1	1334.1	1354.2	1359.2	1358.2	1355.2	1371.3	1370.3	1364.3	1363.3
7.5°	1395.4	1414.4	1431.5	1447.6	1452.6	1465.6	1468.7	1475.7	1473.7	1483.7	1478.7
10°	1466.6	1496.8	1512.8	1536.9	1542.9	1549.0	1557.0	1561.0	1570.0	1569.0	1569.0
12.5°	1521.9	1558.0	1579.1	1585.1	1608.2	1615.2	1622.2	1635.3	1632.3	1633.3	1639.3
15°	1565.0	1600.2	1618.2	1646.3	1662.4	1670.4	1682.5	1696.5	1694.5	1703.6	1701.6
17.5°	1597.2	1630.3	1663.4	1705.6	1706.6	1727.7	1755.8	1761.8	1774.8	1765.8	1765.8
20°	1623.3	1667.4	1714.6	1768.8	1774.8	1787.9	1822.0	1845.1	1860.2	1855.1	1858.2
22.5°	1651.4	1714.6	1769.8	1824.0	1853.1	1876.2	1909.4	1945.5	1958.5	1966.6	1964.6
25°	1687.5	1753.8	1835.1	1910.4	1940.5	1984.6	2028.8	2064.0	2074.0	2096.1	2076.0
27.5°	1724.6	1818.0	1919.4	2007.7	2045.9	2082.0	2135.2	2161.3	2174.4	2184.4	2177.4
30°	1755.8	1884.3	1994.7	2076.0	2103.1	2124.2	2154.3	2160.3	2155.3	2163.3	2173.4
32.5°	1803.9	1929.4	2022.8	2061.9	2058.9	2057.9	2034.8	2002.7	1995.7	1976.6	2002.7
35°	1830.0	1930.4	1966.6	1914.4	1893.3	1855.1	1781.9	1733.7	1691.5	1682.5	1684.5
37.5°	1815.0	1854.1	1811.0	1673.4	1639.3	1581.1	1483.7	1415.5	1384.3	1360.2	1391.4
40°	1733.7	1690.5	1572.1	1404.4	1355.2	1300.0	1208.7	1171.5	1127.3	1118.3	1159.5
42.5°	1599.2	1467.7	1300.0	1170.5	1119.3	1088.2	1011.9	976.8	945.6	931.6	954.7
45°	1416.5	1256.8	1088.2	981.8	938.6	901.5	856.3	819.2	799.1	793.1	812.1
47.5°	1227.7	1059.1	924.6	845.3	800.1	772.0	729.8	708.7	692.7	694.7	697.7
50°	1047.0	893.4	790.0	710.7	688.7	666.6	638.5	620.4	612.4	615.4	613.4
52.5°	891.4	767.0	679.6	618.4	608.3	587.3	564.2	549.1	546.1	547.1	550.1
55°	754.9	657.5	588.3	544.1	533.1	518.0	503.9	493.9	485.9	488.9	487.9
57.5°	651.5	566.2	513.0	476.8	468.8	459.8	446.7	441.7	438.7	432.7	437.7
60°	560.2	490.9	444.7	422.6	415.6	409.6	395.5	389.5	387.5	384.5	392.5
62.5°	473.8	424.6	389.5	369.4	362.4	356.4	349.3	344.3	345.3	341.3	345.3
65°	405.6	365.4	340.3	322.2	313.2	309.2	308.2	300.2	299.2	300.2	301.2
67.5°	342.3	308.2	289.1	278.1	271.0	267.0	264.0	259.0	263.0	260.0	262.0
70°	285.1	262.0	241.9	230.9	227.9	228.9	223.9	221.9	222.9	220.9	222.9
72.5°	229.9	210.8	202.8	194.8	190.7	189.7	186.7	183.7	186.7	185.7	185.7
75°	183.7	169.7	160.6	155.6	155.6	153.6	148.6	148.6	148.6	147.6	148.6
77.5°	141.5	129.5	125.5	120.5	120.5	117.5	116.4	116.4	114.4	117.5	115.4
80°	105.4	96.4	90.3	87.3	87.3	86.3	84.3	83.3	84.3	83.3	83.3
82.5°	68.3	64.2	61.2	58.2	57.2	58.2	57.2	55.2	56.2	55.2	57.2
85°	39.2	35.1	35.1	33.1	34.1	32.1	33.1	31.1	30.1	33.1	31.1
87.5°	17.1	16.1	16.1	14.1	14.1	14.1	13.1	14.1	13.1	12.0	13.1
90°	16.2	17.1	18.1	19.0	20.0	20.9	20.9	20.9	21.9	21.9	21.9
92.5°	306.0	206.2	148.2	110.2	101.2	92.2	77.0	74.1	72.2	70.3	72.2
95°	823.9	683.2	538.8	421.9	382.0	342.1	274.6	246.1	238.5	223.3	238.5
97.5°	1029.1	979.7	864.7	746.9	689.9	632.9	575.9	526.4	500.8	489.4	500.8
100°	1095.6	1168.8	1122.3	1024.4	975.0	925.5	860.0	791.6	756.4	741.2	756.4
102.5°	1055.7	1232.5	1280.0	1245.8	1216.4	1186.9	1115.6	1071.9	1032.9	1022.5	1032.9
105°	961.7	1189.7	1319.9	1361.7	1356.5	1351.3	1320.9	1289.5	1270.5	1259.1	1270.5
107.5°	872.3	1102.3	1274.3	1375.0	1395.9	1416.8	1425.4	1420.6	1411.1	1401.6	1411.1
110°	798.2	1003.5	1184.0	1318.0	1358.4	1398.8	1441.5	1459.6	1466.2	1466.2	1466.2

TEST NUMBER: P1028230

CATALOG NUMBER: S125DIP-B850D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	743.1	925.5	1094.7	1230.6	1280.0	1329.4	1396.9	1431.1	1450.1	1458.6	1450.1
115°	706.0	862.8	1010.1	1140.3	1192.1	1243.9	1318.0	1363.6	1390.2	1402.6	1390.2
117.5°	681.3	819.1	949.3	1063.3	1112.2	1161.2	1236.3	1283.8	1310.4	1318.0	1310.4
120°	661.4	784.9	898.9	1003.5	1045.3	1087.1	1157.4	1203.0	1228.7	1236.3	1228.7
122.5°	644.3	759.3	862.8	953.1	991.6	1030.1	1090.9	1131.8	1157.4	1164.1	1157.4
125°	629.1	734.5	831.5	914.1	948.4	982.6	1035.8	1074.7	1095.6	1105.1	1095.6
127.5°	614.8	708.9	801.1	879.0	911.3	943.6	992.1	1027.2	1047.2	1051.0	1047.2
130°	600.6	685.1	768.8	842.9	873.8	904.6	952.2	983.5	1002.5	1008.2	1002.5
132.5°	589.2	661.4	738.3	803.9	833.4	862.8	910.3	941.7	958.8	965.5	958.8
135°	580.6	641.4	707.0	767.8	794.9	822.0	863.8	895.1	912.2	917.9	912.2
137.5°	572.1	623.4	678.5	730.7	754.5	778.3	816.3	845.7	861.9	868.5	861.9
140°	566.4	609.1	653.8	697.5	717.4	737.4	772.6	797.3	811.5	816.3	811.5
142.5°	561.6	596.8	632.9	669.0	685.6	702.2	730.7	750.7	764.0	767.8	764.0
145°	556.8	586.3	615.8	645.2	658.0	670.9	693.7	709.8	720.3	724.1	720.3
147.5°	552.1	575.9	600.6	624.3	634.3	644.3	663.3	676.6	683.2	685.1	683.2
150°	546.4	567.3	588.2	606.3	614.8	623.4	637.6	649.0	652.8	653.8	652.8
152.5°	539.7	557.8	575.9	592.0	598.2	604.4	615.8	624.3	628.1	629.1	628.1
155°	532.1	548.3	563.5	576.8	582.0	587.3	596.8	603.4	606.3	607.2	606.3
157.5°	525.5	538.8	552.1	562.6	566.8	571.1	578.7	584.4	587.3	587.3	587.3
160°	516.9	529.3	538.8	548.3	551.6	554.9	561.6	566.4	568.3	567.3	568.3
162.5°	509.3	518.8	527.4	535.0	537.8	540.7	545.4	549.2	549.2	549.2	549.2
165°	501.7	509.3	516.0	521.7	524.0	526.4	530.2	532.1	532.1	532.1	532.1
167.5°	494.1	499.8	504.6	509.3	511.2	513.1	515.0	516.9	516.0	516.0	516.0
170°	487.5	492.2	495.1	497.9	498.8	499.8	501.7	502.7	502.7	501.7	502.7
172.5°	480.8	483.7	486.5	488.4	488.9	489.4	489.4	491.3	489.4	488.4	489.4
175°	475.1	478.0	478.0	479.9	479.9	479.9	479.9	480.8	478.9	478.0	478.9
177.5°	472.3	473.2	474.2	474.2	474.2	474.2	473.2	474.2	471.3	471.3	471.3
180°	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3

TEST NUMBER: P1028230

CATALOG NUMBER: S125DIP-B850D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6
2.5°	1265.9	1258.8	1260.9	1258.8	1253.8	1250.8	1242.8	1232.7	1228.7	1223.7	1220.7
5°	1367.3	1362.2	1361.2	1353.2	1351.2	1339.2	1319.1	1309.0	1297.0	1284.9	1272.9
7.5°	1477.7	1471.7	1451.6	1448.6	1450.6	1435.5	1409.4	1389.4	1364.3	1347.2	1324.1
10°	1569.0	1557.0	1539.9	1540.9	1533.9	1513.8	1487.7	1466.6	1430.5	1408.4	1375.3
12.5°	1624.3	1614.2	1612.2	1602.2	1596.1	1570.0	1538.9	1511.8	1484.7	1454.6	1429.5
15°	1691.5	1678.5	1669.4	1655.4	1651.4	1624.3	1590.1	1559.0	1527.9	1499.8	1446.6
17.5°	1765.8	1751.7	1717.6	1714.6	1690.5	1664.4	1631.3	1585.1	1552.0	1511.8	1472.7
20°	1850.1	1830.0	1785.9	1774.8	1755.8	1712.6	1667.4	1616.2	1563.0	1521.9	1475.7
22.5°	1944.5	1909.4	1877.2	1842.1	1828.0	1774.8	1712.6	1650.4	1586.1	1529.9	1474.7
25°	2067.0	2020.8	1975.6	1940.5	1916.4	1847.1	1763.8	1681.5	1607.2	1533.9	1461.6
27.5°	2163.3	2123.2	2074.0	2027.8	1996.7	1914.4	1819.0	1712.6	1620.2	1530.9	1453.6
30°	2170.4	2158.3	2128.2	2103.1	2069.0	1980.6	1875.2	1754.8	1640.3	1531.9	1437.5
32.5°	2038.9	2062.9	2076.0	2080.0	2073.0	2021.8	1925.4	1792.9	1658.4	1522.9	1423.5
35°	1755.8	1820.0	1899.3	1929.4	1958.5	1985.6	1935.5	1820.0	1664.4	1520.9	1401.4
37.5°	1445.6	1503.8	1635.3	1695.5	1729.7	1837.1	1878.2	1816.0	1676.5	1522.9	1380.3
40°	1166.5	1258.8	1353.2	1434.5	1487.7	1608.2	1735.7	1749.7	1659.4	1503.8	1353.2
42.5°	981.8	1036.0	1107.3	1182.6	1229.7	1372.3	1545.0	1646.3	1606.2	1472.7	1320.1
45°	836.2	876.4	943.6	968.7	1029.0	1165.5	1348.2	1494.8	1514.8	1423.5	1281.9
47.5°	717.8	751.9	795.1	826.2	874.4	976.8	1131.4	1293.0	1389.4	1356.2	1228.7
50°	632.4	660.5	696.7	714.8	745.9	838.2	954.7	1115.3	1244.8	1255.8	1159.5
52.5°	561.2	577.2	605.3	625.4	650.5	706.7	812.1	944.6	1090.2	1150.4	1074.1
55°	498.9	512.0	537.1	550.1	563.2	611.4	693.7	814.1	950.7	1030.0	986.8
57.5°	442.7	453.7	474.8	486.9	493.9	540.1	603.3	697.7	820.2	916.5	892.4
60°	396.5	406.6	418.6	427.6	435.7	473.8	518.0	594.3	703.7	797.1	791.0
62.5°	347.3	356.4	369.4	378.5	385.5	409.6	446.7	504.9	598.3	684.6	701.7
65°	304.2	311.2	320.2	324.2	333.3	351.4	381.5	433.7	510.0	587.3	599.3
67.5°	265.0	267.0	273.1	282.1	284.1	300.2	327.3	366.4	425.6	488.9	508.0
70°	222.9	225.9	230.9	237.9	241.9	252.0	275.1	301.2	352.4	407.6	421.6
72.5°	185.7	189.7	191.7	195.8	197.8	213.8	223.9	250.0	285.1	331.3	346.3
75°	150.6	154.6	155.6	157.6	159.6	166.6	180.7	196.8	225.9	256.0	276.1
77.5°	119.5	118.5	120.5	123.5	122.5	128.5	137.5	151.6	170.7	195.8	208.8
80°	84.3	84.3	87.3	90.3	89.3	95.4	98.4	108.4	124.5	140.5	145.6
82.5°	56.2	56.2	59.2	59.2	61.2	62.2	66.3	71.3	84.3	92.4	95.4
85°	32.1	32.1	33.1	33.1	33.1	35.1	38.1	40.2	44.2	49.2	51.2
87.5°	13.1	14.1	14.1	14.1	14.1	16.1	16.1	18.1	19.1	21.1	21.1
90°	20.9	20.9	20.9	20.0	19.0	18.1	17.1	16.2	15.2	13.3	12.4
92.5°	74.1	77.0	92.2	101.2	110.2	148.2	206.2	306.0	379.2	385.8	268.0
95°	246.1	274.6	342.1	382.0	421.9	538.8	683.2	823.9	841.9	687.0	424.8
97.5°	526.4	575.9	632.9	689.9	746.9	864.7	979.7	1029.1	909.4	630.0	346.8
100°	791.6	860.0	925.5	975.0	1024.4	1122.3	1168.8	1095.6	858.1	547.3	307.9
102.5°	1071.9	1115.6	1186.9	1216.4	1245.8	1280.0	1232.5	1055.7	767.8	484.6	291.7
105°	1289.5	1320.9	1351.3	1356.5	1361.7	1319.9	1189.7	961.7	688.9	448.5	289.8
107.5°	1420.6	1425.4	1416.8	1395.9	1375.0	1274.3	1102.3	872.3	630.0	429.5	296.5
110°	1459.6	1441.5	1398.8	1358.4	1318.0	1184.0	1003.5	798.2	591.1	421.9	306.9

TEST NUMBER: P1028230

CATALOG NUMBER: S125DIP-B850D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1431.1	1396.9	1329.4	1280.0	1230.6	1094.7	925.5	743.1	568.3	421.9	320.2
115°	1363.6	1318.0	1243.9	1192.1	1140.3	1010.1	862.8	706.0	553.0	424.8	333.5
117.5°	1283.8	1236.3	1161.2	1112.2	1063.3	949.3	819.1	681.3	544.5	429.5	348.7
120°	1203.0	1157.4	1087.1	1045.3	1003.5	898.9	784.9	661.4	538.8	437.1	363.9
122.5°	1131.8	1090.9	1030.1	991.6	953.1	862.8	759.3	644.3	534.0	443.8	381.1
125°	1074.7	1035.8	982.6	948.4	914.1	831.5	734.5	629.1	530.2	451.4	396.3
127.5°	1027.2	992.1	943.6	911.3	879.0	801.1	708.9	614.8	528.3	459.9	410.5
130°	983.5	952.2	904.6	873.8	842.9	768.8	685.1	600.6	526.4	467.5	424.8
132.5°	941.7	910.3	862.8	833.4	803.9	738.3	661.4	589.2	526.4	476.1	437.1
135°	895.1	863.8	822.0	794.9	767.8	707.0	641.4	580.6	526.4	483.7	448.5
137.5°	845.7	816.3	778.3	754.5	730.7	678.5	623.4	572.1	527.4	491.3	457.1
140°	797.3	772.6	737.4	717.4	697.5	653.8	609.1	566.4	528.3	496.0	465.6
142.5°	750.7	730.7	702.2	685.6	669.0	632.9	596.8	561.6	529.3	498.9	470.4
145°	709.8	693.7	670.9	658.0	645.2	615.8	586.3	556.8	528.3	500.8	475.1
147.5°	676.6	663.3	644.3	634.3	624.3	600.6	575.9	552.1	526.4	501.7	478.0
150°	649.0	637.6	623.4	614.8	606.3	588.2	567.3	546.4	523.6	501.7	480.8
152.5°	624.3	615.8	604.4	598.2	592.0	575.9	557.8	539.7	519.8	500.8	482.7
155°	603.4	596.8	587.3	582.0	576.8	563.5	548.3	532.1	515.0	498.9	483.7
157.5°	584.4	578.7	571.1	566.8	562.6	552.1	538.8	525.5	510.3	497.0	484.6
160°	566.4	561.6	554.9	551.6	548.3	538.8	529.3	516.9	505.5	494.1	484.6
162.5°	549.2	545.4	540.7	537.8	535.0	527.4	518.8	509.3	499.8	491.3	483.7
165°	532.1	530.2	526.4	524.0	521.7	516.0	509.3	501.7	494.1	488.4	482.7
167.5°	516.9	515.0	513.1	511.2	509.3	504.6	499.8	494.1	488.4	483.7	480.8
170°	502.7	501.7	499.8	498.8	497.9	495.1	492.2	487.5	483.7	480.8	478.9
172.5°	491.3	489.4	489.4	488.9	488.4	486.5	483.7	480.8	478.0	477.0	477.0
175°	480.8	479.9	479.9	479.9	479.9	478.0	478.0	475.1	474.2	474.2	475.1
177.5°	474.2	473.2	474.2	474.2	474.2	474.2	473.2	472.3	471.3	471.3	473.2
180°	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3

TEST NUMBER: P1028230

CATALOG NUMBER: S125DIP-B850D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6
2.5°	1216.7	1211.7	1205.6	1205.6	1198.6	1195.6	1189.6	1187.6	1182.6	1174.5	1168.5
5°	1259.9	1246.8	1238.8	1231.7	1216.7	1205.6	1194.6	1182.6	1170.5	1156.5	1140.4
7.5°	1302.0	1277.9	1266.9	1254.8	1232.7	1209.7	1187.6	1171.5	1155.5	1133.4	1113.3
10°	1346.2	1316.1	1296.0	1279.9	1245.8	1216.7	1184.6	1161.5	1136.4	1108.3	1082.2
12.5°	1383.3	1344.2	1327.1	1297.0	1257.8	1222.7	1182.6	1147.4	1114.3	1081.2	1049.0
15°	1414.4	1377.3	1335.1	1323.1	1268.9	1218.7	1173.5	1128.3	1087.2	1054.1	1016.9
17.5°	1424.5	1377.3	1356.2	1327.1	1262.9	1210.7	1153.4	1104.3	1065.1	1015.9	986.8
20°	1427.5	1382.3	1353.2	1326.1	1268.9	1199.6	1143.4	1083.2	1036.0	986.8	940.6
22.5°	1419.5	1366.3	1338.2	1312.1	1247.8	1188.6	1123.3	1057.1	1001.9	956.7	910.5
25°	1404.4	1342.2	1315.1	1287.0	1225.7	1160.5	1089.2	1026.0	974.8	920.5	875.4
27.5°	1384.3	1313.1	1281.9	1252.8	1192.6	1131.4	1064.1	998.8	941.6	884.4	842.2
30°	1359.2	1276.9	1248.8	1210.7	1152.4	1094.2	1033.0	967.7	903.5	849.3	803.1
32.5°	1327.1	1240.8	1203.6	1167.5	1104.3	1051.0	992.8	931.6	869.3	816.1	768.0
35°	1298.0	1199.6	1158.5	1122.3	1052.1	995.8	947.7	890.4	835.2	780.0	736.8
37.5°	1258.8	1158.5	1109.3	1072.1	1000.9	943.6	898.5	854.3	796.1	742.9	702.7
40°	1217.7	1107.3	1061.1	1023.9	949.7	887.4	844.3	805.1	757.9	708.7	666.6
42.5°	1180.5	1058.1	1008.9	963.7	888.4	833.2	789.0	758.9	715.8	671.6	633.4
45°	1133.4	1005.9	952.7	905.5	833.2	773.0	730.8	706.7	674.6	631.4	598.3
47.5°	1085.2	949.7	894.4	848.3	770.0	716.8	675.6	652.5	630.4	596.3	563.2
50°	1021.9	890.4	840.2	787.0	709.7	655.5	621.4	598.3	581.2	557.1	529.0
52.5°	952.7	829.2	775.0	728.8	652.5	603.3	564.2	551.1	534.1	516.0	491.9
55°	879.4	762.9	710.7	665.6	595.3	545.1	513.0	498.9	485.9	471.8	455.8
57.5°	806.1	693.7	644.5	604.3	539.1	490.9	464.8	445.7	436.7	428.7	415.6
60°	714.8	619.4	581.2	545.1	480.9	436.7	411.6	397.5	389.5	385.5	379.5
62.5°	634.4	556.1	514.0	478.8	427.6	388.5	364.4	353.4	346.3	344.3	337.3
65°	549.1	481.9	448.7	418.6	374.4	339.3	319.2	306.2	301.2	300.2	300.2
67.5°	468.8	414.6	381.5	360.4	322.2	291.1	272.0	267.0	264.0	260.0	259.0
70°	393.5	350.3	321.2	303.2	269.0	245.9	230.9	222.9	222.9	219.8	217.8
72.5°	327.3	284.1	265.0	250.0	221.9	201.8	190.7	188.7	181.7	180.7	180.7
75°	256.0	223.9	210.8	197.8	176.7	162.6	153.6	148.6	144.6	144.6	145.6
77.5°	192.7	170.7	158.6	148.6	133.5	124.5	117.5	115.4	111.4	111.4	111.4
80°	136.5	124.5	115.4	107.4	96.4	88.3	84.3	80.3	80.3	79.3	80.3
82.5°	88.3	78.3	73.3	72.3	62.2	59.2	54.2	55.2	52.2	51.2	53.2
85°	51.2	46.2	40.2	38.1	34.1	30.1	28.1	29.1	28.1	27.1	28.1
87.5°	20.1	17.1	16.1	16.1	13.1	12.0	11.0	12.0	10.0	10.0	11.0
90°	10.5	9.5	8.6	7.6	5.7	3.8	1.9	1.0	1.9	3.8	5.7
92.5°	159.6	95.0	77.9	60.8	40.9	26.6	17.1	14.3	17.1	26.6	40.9
95°	215.7	114.0	92.6	71.3	50.4	39.9	32.3	31.4	32.3	39.9	50.4
97.5°	186.3	115.9	100.2	84.6	65.6	55.1	49.4	48.5	49.4	55.1	65.6
100°	184.3	129.2	115.0	100.7	82.7	72.2	68.4	66.5	68.4	72.2	82.7
102.5°	192.9	145.4	131.6	117.8	101.7	90.3	87.4	86.5	87.4	90.3	101.7
105°	205.3	163.4	150.1	136.8	121.6	112.1	107.4	107.4	107.4	112.1	121.6
107.5°	222.4	181.5	169.6	157.7	141.6	134.0	129.2	127.3	129.2	134.0	141.6
110°	241.4	202.4	190.0	177.7	163.4	154.9	151.1	149.2	151.1	154.9	163.4

TEST NUMBER: P1028230

CATALOG NUMBER: S125DIP-B850D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	259.4	222.4	210.5	198.6	184.3	175.8	172.9	171.0	172.9	175.8	184.3
115°	278.4	243.3	231.4	219.5	205.3	196.7	193.9	192.0	193.9	196.7	205.3
117.5°	297.4	264.2	252.8	241.4	225.2	216.7	213.8	211.0	213.8	216.7	225.2
120°	318.3	285.1	273.2	261.3	245.2	236.6	232.8	230.0	232.8	236.6	245.2
122.5°	338.3	305.0	293.2	281.3	263.2	254.7	251.8	249.9	251.8	254.7	263.2
125°	355.4	324.0	311.6	299.3	281.3	272.7	268.0	266.1	268.0	272.7	281.3
127.5°	372.5	342.1	329.8	317.4	298.4	287.9	282.2	279.4	282.2	287.9	298.4
130°	388.7	359.2	346.8	334.5	314.5	302.2	294.6	291.7	294.6	302.2	314.5
132.5°	403.9	374.4	362.0	349.7	328.8	314.5	305.0	301.2	305.0	314.5	328.8
135°	417.2	387.7	374.8	362.0	342.1	326.9	315.5	311.7	315.5	326.9	342.1
137.5°	426.7	400.1	386.8	373.5	353.5	338.3	327.8	325.0	327.8	338.3	353.5
140°	437.1	409.6	396.8	383.9	365.8	350.6	339.2	336.4	339.2	350.6	365.8
142.5°	443.8	418.1	406.2	394.4	377.3	362.0	351.6	349.7	351.6	362.0	377.3
145°	451.4	426.7	415.8	404.8	387.7	374.4	364.9	363.0	364.9	374.4	387.7
147.5°	456.1	434.3	424.3	414.3	399.1	386.8	378.2	377.3	378.2	386.8	399.1
150°	460.9	440.0	431.9	423.8	410.5	398.2	391.5	389.6	391.5	398.2	410.5
152.5°	465.6	446.6	439.5	432.4	420.0	409.6	403.9	402.9	403.9	409.6	420.0
155°	468.5	452.3	445.6	439.0	429.5	420.0	414.3	414.3	414.3	420.0	429.5
157.5°	471.3	457.1	451.8	446.6	438.1	429.5	424.8	424.8	424.8	429.5	438.1
160°	473.2	460.9	456.6	452.3	444.7	438.1	434.3	435.2	434.3	438.1	444.7
162.5°	475.1	464.7	461.4	458.0	452.3	446.6	442.8	443.8	442.8	446.6	452.3
165°	475.1	467.5	464.6	461.8	458.0	453.3	450.4	452.3	450.4	453.3	458.0
167.5°	475.1	468.5	466.6	464.7	461.8	459.0	457.1	458.0	457.1	459.0	461.8
170°	475.1	470.4	469.0	467.5	465.6	463.7	462.8	463.7	462.8	463.7	465.6
172.5°	474.2	470.4	469.9	469.4	468.5	466.6	465.6	467.5	465.6	466.6	468.5
175°	473.2	470.4	470.4	470.4	470.4	469.4	468.5	470.4	468.5	469.4	470.4
177.5°	472.3	470.4	470.4	470.4	471.3	470.4	470.4	472.3	470.4	470.4	471.3
180°	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3

TEST NUMBER: P1028230

CATALOG NUMBER: S125DIP-B850D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6
2.5°	1166.5	1164.5	1159.5	1156.5	1146.4	1134.4	1130.4	1120.3	1124.3	1117.3	1117.3
5°	1135.4	1126.3	1120.3	1111.3	1092.2	1079.2	1065.1	1058.1	1054.1	1049.0	1045.0
7.5°	1095.2	1088.2	1082.2	1065.1	1044.0	1026.0	1008.9	1001.9	988.8	979.8	975.8
10°	1060.1	1050.0	1036.0	1015.9	993.8	970.7	955.7	940.6	930.6	925.6	914.5
12.5°	1023.9	1011.9	996.8	967.7	943.6	929.6	902.5	888.4	883.4	879.4	866.3
15°	986.8	973.8	955.7	928.6	907.5	874.4	858.3	847.3	835.2	834.2	824.2
17.5°	953.7	937.6	922.6	889.4	863.3	834.2	825.2	813.1	802.1	790.0	785.0
20°	911.5	896.5	885.4	849.3	820.2	802.1	787.0	777.0	770.0	757.9	755.9
22.5°	873.4	857.3	842.2	815.1	790.0	767.0	748.9	737.8	734.8	729.8	720.8
25°	836.2	820.2	802.1	777.0	750.9	734.8	718.8	711.7	705.7	697.7	690.7
27.5°	805.1	790.0	773.0	741.9	719.8	707.7	690.7	682.6	674.6	670.6	667.6
30°	768.0	750.9	737.8	713.7	689.7	673.6	661.5	654.5	647.5	643.5	641.5
32.5°	731.8	715.8	706.7	680.6	661.5	642.5	633.4	628.4	624.4	620.4	616.4
35°	702.7	686.6	672.6	648.5	629.4	616.4	609.3	601.3	598.3	594.3	594.3
37.5°	666.6	654.5	640.5	617.4	600.3	590.3	584.3	574.2	573.2	571.2	568.2
40°	635.4	623.4	610.4	590.3	575.2	563.2	555.1	550.1	547.1	545.1	543.1
42.5°	602.3	589.3	583.2	560.2	547.1	535.1	531.0	526.0	525.0	521.0	516.0
45°	570.2	559.2	547.1	530.0	519.0	509.0	502.9	498.9	493.9	492.9	489.9
47.5°	542.1	529.0	518.0	501.9	489.9	481.9	476.8	471.8	467.8	464.8	461.8
50°	505.9	495.9	486.9	469.8	459.8	451.7	444.7	440.7	436.7	436.7	436.7
52.5°	470.8	461.8	453.7	441.7	429.7	422.6	414.6	411.6	409.6	406.6	409.6
55°	436.7	427.6	419.6	410.6	396.5	390.5	382.5	379.5	380.5	380.5	383.5
57.5°	400.5	393.5	388.5	377.5	364.4	358.4	353.4	350.3	350.3	354.4	355.4
60°	365.4	358.4	349.3	339.3	331.3	324.2	321.2	322.2	322.2	324.2	329.3
62.5°	326.3	322.2	317.2	303.2	298.1	293.1	289.1	292.1	291.1	296.1	303.2
65°	290.1	286.1	279.1	272.0	266.0	261.0	260.0	261.0	263.0	268.0	276.1
67.5°	250.0	250.0	243.9	237.9	232.9	227.9	228.9	229.9	231.9	237.9	250.0
70°	216.8	212.8	206.8	202.8	198.8	196.8	194.8	198.8	204.8	208.8	217.8
72.5°	180.7	177.7	172.7	168.6	167.6	165.6	164.6	166.6	172.7	179.7	189.7
75°	142.5	143.6	140.5	137.5	137.5	134.5	136.5	136.5	142.5	149.6	157.6
77.5°	110.4	109.4	108.4	106.4	105.4	105.4	105.4	107.4	113.4	117.5	125.5
80°	78.3	79.3	76.3	77.3	76.3	77.3	77.3	81.3	84.3	89.3	95.4
82.5°	52.2	52.2	50.2	51.2	51.2	51.2	52.2	54.2	58.2	62.2	66.3
85°	29.1	30.1	28.1	30.1	30.1	30.1	31.1	32.1	35.1	36.1	40.2
87.5°	11.0	13.1	13.1	11.0	12.0	13.1	14.1	13.1	15.1	17.1	18.1
90°	7.6	8.6	9.5	10.5	12.4	13.3	15.2	16.2	17.1	18.1	19.0
92.5°	60.8	77.9	95.0	159.6	268.0	385.8	379.2	306.0	206.2	148.2	110.2
95°	71.3	92.6	114.0	215.7	424.8	687.0	841.9	823.9	683.2	538.8	421.9
97.5°	84.6	100.2	115.9	186.3	346.8	630.0	909.4	1029.1	979.7	864.7	746.9
100°	100.7	115.0	129.2	184.3	307.9	547.3	858.1	1095.6	1168.8	1122.3	1024.4
102.5°	117.8	131.6	145.4	192.9	291.7	484.6	767.8	1055.7	1232.5	1280.0	1245.8
105°	136.8	150.1	163.4	205.3	289.8	448.5	688.9	961.7	1189.7	1319.9	1361.7
107.5°	157.7	169.6	181.5	222.4	296.5	429.5	630.0	872.3	1102.3	1274.3	1375.0
110°	177.7	190.0	202.4	241.4	306.9	421.9	591.1	798.2	1003.5	1184.0	1318.0

TEST NUMBER: P1028230

CATALOG NUMBER: S125DIP-B850D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	198.6	210.5	222.4	259.4	320.2	421.9	568.3	743.1	925.5	1094.7	1230.6
115°	219.5	231.4	243.3	278.4	333.5	424.8	553.0	706.0	862.8	1010.1	1140.3
117.5°	241.4	252.8	264.2	297.4	348.7	429.5	544.5	681.3	819.1	949.3	1063.3
120°	261.3	273.2	285.1	318.3	363.9	437.1	538.8	661.4	784.9	898.9	1003.5
122.5°	281.3	293.2	305.0	338.3	381.1	443.8	534.0	644.3	759.3	862.8	953.1
125°	299.3	311.6	324.0	355.4	396.3	451.4	530.2	629.1	734.5	831.5	914.1
127.5°	317.4	329.8	342.1	372.5	410.5	459.9	528.3	614.8	708.9	801.1	879.0
130°	334.5	346.8	359.2	388.7	424.8	467.5	526.4	600.6	685.1	768.8	842.9
132.5°	349.7	362.0	374.4	403.9	437.1	476.1	526.4	589.2	661.4	738.3	803.9
135°	362.0	374.8	387.7	417.2	448.5	483.7	526.4	580.6	641.4	707.0	767.8
137.5°	373.5	386.8	400.1	426.7	457.1	491.3	527.4	572.1	623.4	678.5	730.7
140°	383.9	396.8	409.6	437.1	465.6	496.0	528.3	566.4	609.1	653.8	697.5
142.5°	394.4	406.2	418.1	443.8	470.4	498.9	529.3	561.6	596.8	632.9	669.0
145°	404.8	415.8	426.7	451.4	475.1	500.8	528.3	556.8	586.3	615.8	645.2
147.5°	414.3	424.3	434.3	456.1	478.0	501.7	526.4	552.1	575.9	600.6	624.3
150°	423.8	431.9	440.0	460.9	480.8	501.7	523.6	546.4	567.3	588.2	606.3
152.5°	432.4	439.5	446.6	465.6	482.7	500.8	519.8	539.7	557.8	575.9	592.0
155°	439.0	445.6	452.3	468.5	483.7	498.9	515.0	532.1	548.3	563.5	576.8
157.5°	446.6	451.8	457.1	471.3	484.6	497.0	510.3	525.5	538.8	552.1	562.6
160°	452.3	456.6	460.9	473.2	484.6	494.1	505.5	516.9	529.3	538.8	548.3
162.5°	458.0	461.4	464.7	475.1	483.7	491.3	499.8	509.3	518.8	527.4	535.0
165°	461.8	464.6	467.5	475.1	482.7	488.4	494.1	501.7	509.3	516.0	521.7
167.5°	464.7	466.6	468.5	475.1	480.8	483.7	488.4	494.1	499.8	504.6	509.3
170°	467.5	469.0	470.4	475.1	478.9	480.8	483.7	487.5	492.2	495.1	497.9
172.5°	469.4	469.9	470.4	474.2	477.0	477.0	478.0	480.8	483.7	486.5	488.4
175°	470.4	470.4	470.4	473.2	475.1	474.2	474.2	475.1	478.0	478.0	479.9
177.5°	470.4	470.4	470.4	472.3	473.2	471.3	471.3	472.3	473.2	474.2	474.2
180°	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3

TEST NUMBER: P1028230

CATALOG NUMBER: S125DIP-B850D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6
2.5°	1121.3	1114.3	1113.3	1115.3	1111.3	1117.3	1115.3	1117.3	1112.3	1117.3	1114.3
5°	1044.0	1042.0	1038.0	1033.0	1034.0	1035.0	1040.0	1035.0	1039.0	1040.0	1045.0
7.5°	971.7	967.7	970.7	968.7	959.7	957.7	959.7	962.7	968.7	972.7	975.8
10°	913.5	911.5	907.5	904.5	899.5	896.5	900.5	896.5	904.5	911.5	911.5
12.5°	869.3	861.3	856.3	855.3	844.3	846.3	850.3	853.3	862.3	866.3	866.3
15°	823.2	817.1	815.1	811.1	807.1	811.1	809.1	812.1	816.1	820.2	822.2
17.5°	783.0	782.0	783.0	773.0	776.0	771.0	772.0	777.0	774.0	777.0	783.0
20°	746.9	748.9	745.9	741.9	741.9	735.8	742.9	740.9	741.9	747.9	756.9
22.5°	719.8	718.8	715.8	712.7	708.7	709.7	710.7	708.7	716.8	721.8	722.8
25°	690.7	688.7	687.6	684.6	680.6	684.6	683.6	684.6	686.6	694.7	688.7
27.5°	663.6	659.5	661.5	658.5	657.5	658.5	658.5	659.5	661.5	662.6	663.6
30°	640.5	636.5	635.4	633.4	632.4	633.4	635.4	633.4	641.5	640.5	640.5
32.5°	615.4	612.4	610.4	610.4	609.3	608.3	609.3	610.4	616.4	612.4	616.4
35°	591.3	589.3	589.3	587.3	586.3	586.3	586.3	590.3	588.3	591.3	591.3
37.5°	568.2	568.2	567.2	565.2	564.2	565.2	564.2	566.2	565.2	566.2	567.2
40°	544.1	542.1	541.1	541.1	538.1	535.1	538.1	538.1	539.1	542.1	543.1
42.5°	515.0	516.0	516.0	512.0	512.0	512.0	513.0	514.0	514.0	516.0	516.0
45°	489.9	487.9	487.9	487.9	485.9	486.9	488.9	488.9	488.9	488.9	486.9
47.5°	461.8	461.8	462.8	462.8	465.8	464.8	464.8	463.8	461.8	461.8	462.8
50°	435.7	438.7	439.7	439.7	440.7	441.7	441.7	439.7	438.7	435.7	435.7
52.5°	410.6	412.6	414.6	417.6	419.6	418.6	418.6	416.6	412.6	411.6	410.6
55°	383.5	386.5	390.5	393.5	396.5	397.5	397.5	393.5	389.5	384.5	384.5
57.5°	358.4	361.4	368.4	371.4	375.4	375.4	373.4	370.4	364.4	360.4	357.4
60°	333.3	338.3	343.3	349.3	354.4	355.4	352.4	348.3	341.3	336.3	332.3
62.5°	306.2	311.2	321.2	327.3	331.3	331.3	331.3	326.3	317.2	310.2	304.2
65°	280.1	285.1	294.1	302.2	305.2	308.2	305.2	300.2	293.1	285.1	279.1
67.5°	253.0	259.0	268.0	274.1	278.1	281.1	279.1	275.1	266.0	255.0	251.0
70°	222.9	225.9	238.9	244.9	251.0	253.0	251.0	244.9	235.9	223.9	219.8
72.5°	194.8	197.8	209.8	214.8	219.8	221.9	218.8	214.8	206.8	195.8	190.7
75°	162.6	167.6	173.7	181.7	187.7	189.7	186.7	183.7	173.7	166.6	162.6
77.5°	128.5	133.5	141.5	148.6	154.6	153.6	149.6	150.6	139.5	131.5	128.5
80°	97.4	101.4	107.4	113.4	116.4	116.4	115.4	111.4	107.4	101.4	96.4
82.5°	67.3	72.3	77.3	81.3	81.3	82.3	80.3	79.3	75.3	70.3	69.3
85°	40.2	41.2	45.2	45.2	49.2	47.2	46.2	49.2	45.2	42.2	41.2
87.5°	18.1	17.1	18.1	18.1	17.1	19.1	19.1	18.1	19.1	18.1	18.1
90°	20.0	20.9	20.9	20.9	21.9	21.9	21.9	20.9	20.9	20.9	20.0
92.5°	101.2	92.2	77.0	74.1	72.2	70.3	72.2	74.1	77.0	92.2	101.2
95°	382.0	342.1	274.6	246.1	238.5	223.3	238.5	246.1	274.6	342.1	382.0
97.5°	689.9	632.9	575.9	526.4	500.8	489.4	500.8	526.4	575.9	632.9	689.9
100°	975.0	925.5	860.0	791.6	756.4	741.2	756.4	791.6	860.0	925.5	975.0
102.5°	1216.4	1186.9	1115.6	1071.9	1032.9	1022.5	1032.9	1071.9	1115.6	1186.9	1216.4
105°	1356.5	1351.3	1320.9	1289.5	1270.5	1259.1	1270.5	1289.5	1320.9	1351.3	1356.5
107.5°	1395.9	1416.8	1425.4	1420.6	1411.1	1401.6	1411.1	1420.6	1425.4	1416.8	1395.9
110°	1358.4	1398.8	1441.5	1459.6	1466.2	1466.2	1466.2	1459.6	1441.5	1398.8	1358.4

TEST NUMBER: P1028230

CATALOG NUMBER: S125DIP-B850D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1280.0	1329.4	1396.9	1431.1	1450.1	1458.6	1450.1	1431.1	1396.9	1329.4	1280.0
115°	1192.1	1243.9	1318.0	1363.6	1390.2	1402.6	1390.2	1363.6	1318.0	1243.9	1192.1
117.5°	1112.2	1161.2	1236.3	1283.8	1310.4	1318.0	1310.4	1283.8	1236.3	1161.2	1112.2
120°	1045.3	1087.1	1157.4	1203.0	1228.7	1236.3	1228.7	1203.0	1157.4	1087.1	1045.3
122.5°	991.6	1030.1	1090.9	1131.8	1157.4	1164.1	1157.4	1131.8	1090.9	1030.1	991.6
125°	948.4	982.6	1035.8	1074.7	1095.6	1105.1	1095.6	1074.7	1035.8	982.6	948.4
127.5°	911.3	943.6	992.1	1027.2	1047.2	1051.0	1047.2	1027.2	992.1	943.6	911.3
130°	873.8	904.6	952.2	983.5	1002.5	1008.2	1002.5	983.5	952.2	904.6	873.8
132.5°	833.4	862.8	910.3	941.7	958.8	965.5	958.8	941.7	910.3	862.8	833.4
135°	794.9	822.0	863.8	895.1	912.2	917.9	912.2	895.1	863.8	822.0	794.9
137.5°	754.5	778.3	816.3	845.7	861.9	868.5	861.9	845.7	816.3	778.3	754.5
140°	717.4	737.4	772.6	797.3	811.5	816.3	811.5	797.3	772.6	737.4	717.4
142.5°	685.6	702.2	730.7	750.7	764.0	767.8	764.0	750.7	730.7	702.2	685.6
145°	658.0	670.9	693.7	709.8	720.3	724.1	720.3	709.8	693.7	670.9	658.0
147.5°	634.3	644.3	663.3	676.6	683.2	685.1	683.2	676.6	663.3	644.3	634.3
150°	614.8	623.4	637.6	649.0	652.8	653.8	652.8	649.0	637.6	623.4	614.8
152.5°	598.2	604.4	615.8	624.3	628.1	629.1	628.1	624.3	615.8	604.4	598.2
155°	582.0	587.3	596.8	603.4	606.3	607.2	606.3	603.4	596.8	587.3	582.0
157.5°	566.8	571.1	578.7	584.4	587.3	587.3	587.3	584.4	578.7	571.1	566.8
160°	551.6	554.9	561.6	566.4	568.3	567.3	568.3	566.4	561.6	554.9	551.6
162.5°	537.8	540.7	545.4	549.2	549.2	549.2	549.2	549.2	545.4	540.7	537.8
165°	524.0	526.4	530.2	532.1	532.1	532.1	532.1	532.1	530.2	526.4	524.0
167.5°	511.2	513.1	515.0	516.9	516.0	516.0	516.0	516.9	515.0	513.1	511.2
170°	498.8	499.8	501.7	502.7	502.7	501.7	502.7	502.7	501.7	499.8	498.8
172.5°	488.9	489.4	489.4	491.3	489.4	488.4	489.4	491.3	489.4	489.4	488.9
175°	479.9	479.9	479.9	480.8	478.9	478.0	478.9	480.8	479.9	479.9	479.9
177.5°	474.2	474.2	473.2	474.2	471.3	471.3	471.3	474.2	473.2	474.2	474.2
180°	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3

TEST NUMBER: P1028230

CATALOG NUMBER: S125DIP-B850D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6
2.5°	1123.3	1117.3	1124.3	1115.3	1117.3	1128.3	1127.3	1137.4	1143.4	1142.4	1147.4
5°	1049.0	1049.0	1052.1	1051.0	1061.1	1070.1	1082.2	1092.2	1103.2	1109.3	1116.3
7.5°	975.8	985.8	987.8	992.8	1004.9	1019.9	1032.0	1047.0	1063.1	1074.1	1082.2
10°	915.5	923.6	931.6	935.6	948.7	968.7	985.8	1009.9	1030.0	1042.0	1053.1
12.5°	862.3	871.4	875.4	893.4	902.5	915.5	939.6	965.7	987.8	1000.9	1009.9
15°	824.2	829.2	838.2	849.3	858.3	874.4	894.4	923.6	944.6	955.7	986.8
17.5°	792.1	798.1	803.1	808.1	822.2	839.2	858.3	883.4	910.5	929.6	945.6
20°	758.9	761.9	768.0	776.0	786.0	802.1	819.2	845.3	869.3	884.4	905.5
22.5°	719.8	728.8	734.8	740.9	751.9	770.0	786.0	805.1	835.2	852.3	874.4
25°	696.7	700.7	704.7	711.7	719.8	735.8	753.9	774.0	798.1	816.1	835.2
27.5°	666.6	672.6	677.6	686.6	691.7	704.7	721.8	741.9	771.0	786.0	802.1
30°	641.5	647.5	651.5	655.5	662.6	676.6	692.7	708.7	735.8	754.9	771.0
32.5°	616.4	622.4	627.4	630.4	637.5	646.5	659.5	679.6	702.7	715.8	736.8
35°	594.3	594.3	600.3	604.3	610.4	618.4	630.4	645.5	669.6	686.6	705.7
37.5°	569.2	570.2	575.2	578.2	584.3	592.3	604.3	618.4	638.5	651.5	670.6
40°	543.1	546.1	548.1	553.1	560.2	563.2	575.2	591.3	611.4	623.4	639.5
42.5°	517.0	519.0	524.0	528.0	534.1	539.1	547.1	562.2	577.2	595.3	608.3
45°	487.9	492.9	495.9	502.9	505.9	511.0	519.0	531.0	549.1	560.2	575.2
47.5°	462.8	464.8	466.8	475.8	481.9	484.9	492.9	499.9	519.0	529.0	543.1
50°	435.7	435.7	438.7	442.7	449.7	455.8	462.8	470.8	485.9	495.9	510.0
52.5°	410.6	407.6	409.6	411.6	418.6	424.6	431.7	442.7	456.8	462.8	474.8
55°	383.5	378.5	381.5	384.5	386.5	394.5	402.6	409.6	420.6	429.7	440.7
57.5°	354.4	353.4	351.4	352.4	357.4	362.4	368.4	377.5	390.5	397.5	403.6
60°	328.3	322.2	320.2	322.2	325.3	328.3	336.3	344.3	355.4	362.4	369.4
62.5°	301.2	295.1	291.1	288.1	291.1	298.1	303.2	309.2	318.2	326.3	332.3
65°	275.1	266.0	262.0	260.0	259.0	264.0	268.0	276.1	284.1	287.1	294.1
67.5°	245.9	237.9	232.9	229.9	229.9	229.9	233.9	241.9	250.0	251.0	258.0
70°	216.8	207.8	202.8	198.8	196.8	198.8	203.8	204.8	211.8	213.8	217.8
72.5°	185.7	177.7	171.7	166.6	167.6	169.7	169.7	171.7	175.7	180.7	180.7
75°	156.6	145.6	142.5	138.5	136.5	136.5	136.5	140.5	143.6	147.6	146.6
77.5°	123.5	117.5	111.4	109.4	106.4	105.4	107.4	107.4	109.4	112.4	113.4
80°	95.4	88.3	84.3	82.3	78.3	77.3	78.3	78.3	81.3	80.3	81.3
82.5°	66.3	61.2	58.2	55.2	53.2	54.2	53.2	53.2	54.2	53.2	53.2
85°	38.1	37.1	35.1	34.1	33.1	31.1	33.1	32.1	31.1	30.1	32.1
87.5°	18.1	17.1	17.1	15.1	15.1	14.1	15.1	15.1	14.1	14.1	14.1
90°	19.0	18.1	17.1	16.2	15.2	13.3	12.4	10.5	9.5	8.6	7.6
92.5°	110.2	148.2	206.2	306.0	379.2	385.8	268.0	159.6	95.0	77.9	60.8
95°	421.9	538.8	683.2	823.9	841.9	687.0	424.8	215.7	114.0	92.6	71.3
97.5°	746.9	864.7	979.7	1029.1	909.4	630.0	346.8	186.3	115.9	100.2	84.6
100°	1024.4	1122.3	1168.8	1095.6	858.1	547.3	307.9	184.3	129.2	115.0	100.7
102.5°	1245.8	1280.0	1232.5	1055.7	767.8	484.6	291.7	192.9	145.4	131.6	117.8
105°	1361.7	1319.9	1189.7	961.7	688.9	448.5	289.8	205.3	163.4	150.1	136.8
107.5°	1375.0	1274.3	1102.3	872.3	630.0	429.5	296.5	222.4	181.5	169.6	157.7
110°	1318.0	1184.0	1003.5	798.2	591.1	421.9	306.9	241.4	202.4	190.0	177.7

TEST NUMBER: P1028230

CATALOG NUMBER: S125DIP-B850D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1230.6	1094.7	925.5	743.1	568.3	421.9	320.2	259.4	222.4	210.5	198.6
115°	1140.3	1010.1	862.8	706.0	553.0	424.8	333.5	278.4	243.3	231.4	219.5
117.5°	1063.3	949.3	819.1	681.3	544.5	429.5	348.7	297.4	264.2	252.8	241.4
120°	1003.5	898.9	784.9	661.4	538.8	437.1	363.9	318.3	285.1	273.2	261.3
122.5°	953.1	862.8	759.3	644.3	534.0	443.8	381.1	338.3	305.0	293.2	281.3
125°	914.1	831.5	734.5	629.1	530.2	451.4	396.3	355.4	324.0	311.6	299.3
127.5°	879.0	801.1	708.9	614.8	528.3	459.9	410.5	372.5	342.1	329.8	317.4
130°	842.9	768.8	685.1	600.6	526.4	467.5	424.8	388.7	359.2	346.8	334.5
132.5°	803.9	738.3	661.4	589.2	526.4	476.1	437.1	403.9	374.4	362.0	349.7
135°	767.8	707.0	641.4	580.6	526.4	483.7	448.5	417.2	387.7	374.8	362.0
137.5°	730.7	678.5	623.4	572.1	527.4	491.3	457.1	426.7	400.1	386.8	373.5
140°	697.5	653.8	609.1	566.4	528.3	496.0	465.6	437.1	409.6	396.8	383.9
142.5°	669.0	632.9	596.8	561.6	529.3	498.9	470.4	443.8	418.1	406.2	394.4
145°	645.2	615.8	586.3	556.8	528.3	500.8	475.1	451.4	426.7	415.8	404.8
147.5°	624.3	600.6	575.9	552.1	526.4	501.7	478.0	456.1	434.3	424.3	414.3
150°	606.3	588.2	567.3	546.4	523.6	501.7	480.8	460.9	440.0	431.9	423.8
152.5°	592.0	575.9	557.8	539.7	519.8	500.8	482.7	465.6	446.6	439.5	432.4
155°	576.8	563.5	548.3	532.1	515.0	498.9	483.7	468.5	452.3	445.6	439.0
157.5°	562.6	552.1	538.8	525.5	510.3	497.0	484.6	471.3	457.1	451.8	446.6
160°	548.3	538.8	529.3	516.9	505.5	494.1	484.6	473.2	460.9	456.6	452.3
162.5°	535.0	527.4	518.8	509.3	499.8	491.3	483.7	475.1	464.7	461.4	458.0
165°	521.7	516.0	509.3	501.7	494.1	488.4	482.7	475.1	467.5	464.6	461.8
167.5°	509.3	504.6	499.8	494.1	488.4	483.7	480.8	475.1	468.5	466.6	464.7
170°	497.9	495.1	492.2	487.5	483.7	480.8	478.9	475.1	470.4	469.0	467.5
172.5°	488.4	486.5	483.7	480.8	478.0	477.0	477.0	474.2	470.4	469.9	469.4
175°	479.9	478.0	478.0	475.1	474.2	474.2	475.1	473.2	470.4	470.4	470.4
177.5°	474.2	474.2	473.2	472.3	471.3	471.3	473.2	472.3	470.4	470.4	470.4
180°	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3

TEST NUMBER: P1028230

CATALOG NUMBER: S125DIP-B850D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1182.6	1182.6	1182.6	1182.6
2.5°	1154.4	1164.5	1171.5	1184.6
5°	1128.3	1146.4	1163.5	1181.6
7.5°	1102.2	1123.3	1150.4	1173.5
10°	1073.1	1100.2	1132.4	1163.5
12.5°	1044.0	1076.1	1111.3	1152.4
15°	1008.9	1050.0	1091.2	1135.4
17.5°	977.8	1019.9	1064.1	1119.3
20°	942.6	988.8	1037.0	1093.2
22.5°	911.5	962.7	1012.9	1072.1
25°	876.4	926.6	981.8	1045.0
27.5°	847.3	893.4	947.7	1015.9
30°	812.1	862.3	916.5	984.8
32.5°	779.0	827.2	884.4	951.7
35°	744.9	794.1	845.3	909.5
37.5°	712.7	754.9	806.1	867.3
40°	676.6	722.8	769.0	817.1
42.5°	643.5	685.6	728.8	767.0
45°	606.3	642.5	683.6	714.8
47.5°	572.2	604.3	636.5	660.5
50°	538.1	563.2	587.3	608.3
52.5°	497.9	526.0	539.1	552.1
55°	461.8	477.8	489.9	502.9
57.5°	426.6	433.7	439.7	451.7
60°	380.5	388.5	395.5	404.6
62.5°	340.3	344.3	346.3	355.4
65°	302.2	301.2	306.2	311.2
67.5°	261.0	260.0	265.0	267.0
70°	220.9	219.8	220.9	225.9
72.5°	182.7	182.7	183.7	185.7
75°	147.6	147.6	148.6	150.6
77.5°	111.4	113.4	112.4	116.4
80°	81.3	79.3	81.3	83.3
82.5°	53.2	55.2	55.2	53.2
85°	30.1	30.1	30.1	30.1
87.5°	13.1	13.1	14.1	15.1
90°	5.7	3.8	1.9	1.0
92.5°	40.9	26.6	17.1	14.3
95°	50.4	39.9	32.3	31.4
97.5°	65.6	55.1	49.4	48.5
100°	82.7	72.2	68.4	66.5
102.5°	101.7	90.3	87.4	86.5
105°	121.6	112.1	107.4	107.4
107.5°	141.6	134.0	129.2	127.3
110°	163.4	154.9	151.1	149.2



TEST NUMBER: P1028230

CATALOG NUMBER: S125DIP-B850D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	184.3	175.8	172.9	171.0
115°	205.3	196.7	193.9	192.0
117.5°	225.2	216.7	213.8	211.0
120°	245.2	236.6	232.8	230.0
122.5°	263.2	254.7	251.8	249.9
125°	281.3	272.7	268.0	266.1
127.5°	298.4	287.9	282.2	279.4
130°	314.5	302.2	294.6	291.7
132.5°	328.8	314.5	305.0	301.2
135°	342.1	326.9	315.5	311.7
137.5°	353.5	338.3	327.8	325.0
140°	365.8	350.6	339.2	336.4
142.5°	377.3	362.0	351.6	349.7
145°	387.7	374.4	364.9	363.0
147.5°	399.1	386.8	378.2	377.3
150°	410.5	398.2	391.5	389.6
152.5°	420.0	409.6	403.9	402.9
155°	429.5	420.0	414.3	414.3
157.5°	438.1	429.5	424.8	424.8
160°	444.7	438.1	434.3	435.2
162.5°	452.3	446.6	442.8	443.8
165°	458.0	453.3	450.4	452.3
167.5°	461.8	459.0	457.1	458.0
170°	465.6	463.7	462.8	463.7
172.5°	468.5	466.6	465.6	467.5
175°	470.4	469.4	468.5	470.4
177.5°	471.3	470.4	470.4	472.3
180°	471.3	471.3	471.3	471.3

(END OF REPORT)