

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P333278

Luminaire Tested: **S125DIP-S1090D1035U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333278
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S1090D1035U835-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8069.8 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

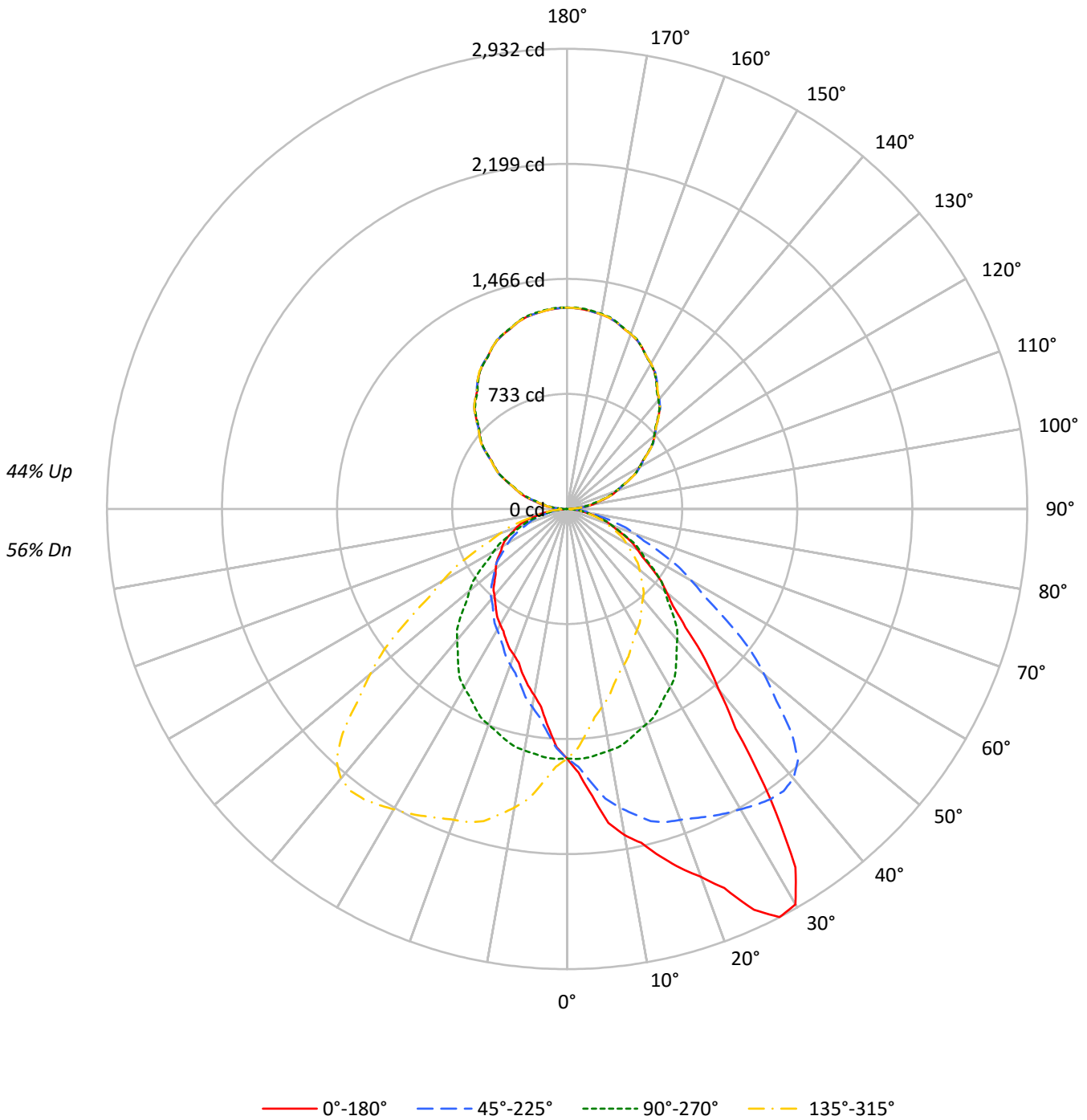
Input Watts (W): 60.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56
1	99	95	91	88	92	88	85	82	76	74	72	65	63	62	55	53	52	47
2	91	83	77	72	84	78	72	68	67	63	60	57	54	52	48	46	44	40
3	83	73	66	60	77	69	62	57	59	54	50	51	47	44	43	40	38	34
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	39	35	33	29
5	70	58	50	44	65	54	47	42	47	42	37	41	36	33	35	31	29	26
6	64	52	44	38	60	49	42	36	43	37	33	37	32	29	32	28	25	23
7	59	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	23	20
8	55	43	35	30	51	40	33	28	35	30	26	31	26	23	26	23	20	18
9	51	39	32	26	48	37	30	25	32	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	27	23	30	24	21	26	22	19	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10270	10270	10270	10270
5°	11893	10305	9022	10305
10°	13837	10251	7906	10251
15°	15317	10176	7293	10176
20°	17145	10057	6801	10057
25°	20085	9922	6560	9922
30°	21694	9790	6352	9790
35°	17837	9541	6215	9541
40°	12678	9195	6066	9195
45°	9740	8729	5980	8729
50°	8314	8151	5968	8151
55°	7402	7585	6019	7585
60°	6678	6966	6173	6966
65°	6168	6343	6333	6343
70°	5608	5697	6424	5697
75°	4951	5018	6366	5018
80°	4166	4091	5824	4091
85°	3298	2949	4698	2949



TEST NUMBER: P333278

CATALOG NUMBER: S125DIP-S1090D1035U835-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.1	1.9
10°-20°	455.8	5.6
20°-30°	740.1	9.2
30°-40°	902.8	11.2
40°-50°	821.3	10.2
50°-60°	654.2	8.1
60°-70°	455.6	5.6
70°-80°	243.0	3.0
80°-90°	64.1	0.8
90°-100°	85.9	1.1
100°-110°	253.7	3.1
110°-120°	429.8	5.3
120°-130°	565.6	7.0
130°-140°	633.8	7.9
140°-150°	621.1	7.7
150°-160°	521.7	6.5
160°-170°	346.8	4.3
170°-180°	121.4	1.5
0°-30°	1349.0	16.7
0°-40°	2251.8	27.9
0°-60°	3727.3	46.2
0°-90°	4490.0	55.6
90°-120°	769.4	9.5
90°-150°	2589.9	32.1
90°-180°	3580.0	44.4
0°-180°	8069.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1590	1590	1590	1590	1590	
5°	1834	1590	1392	1590	1834	185
15°	2291	1522	1091	1522	2291	656
25°	2819	1392	921	1392	2819	1287
35°	2262	1210	788	1210	2262	1385
45°	1066	956	655	956	1066	854
55°	657	674	535	674	657	592
65°	404	415	414	415	404	401
75°	198	201	255	201	198	214
85°	44	40	63	40	44	52
90°	24	1	24	1	24	15
95°	86	65	86	65	86	87
105°	248	228	248	228	248	262
115°	434	430	434	430	434	430
125°	632	628	632	628	632	564
135°	820	817	820	817	820	632
145°	993	989	993	989	993	620
155°	1132	1132	1132	1132	1132	521
165°	1228	1231	1228	1231	1228	346
175°	1275	1280	1275	1280	1275	121
180°	1283	1283	1283	1283	1283	



TEST NUMBER: P333278

CATALOG NUMBER: S125DIP-S1090D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1682.0	1679.8	1677.7	1673.3	1676.6	1667.4	1663.1	1655.5	1646.3	1643.1	1639.3
5°	1834.5	1837.9	1841.3	1827.1	1828.4	1819.0	1797.4	1779.8	1765.7	1747.4	1734.6
7.5°	2018.1	2010.1	2009.5	2000.3	1984.5	1971.8	1949.1	1920.2	1892.3	1860.4	1834.1
10°	2109.9	2110.6	2104.5	2093.7	2076.8	2064.7	2035.0	2006.6	1972.2	1931.7	1902.7
12.5°	2179.0	2181.8	2174.2	2159.6	2151.3	2124.1	2100.9	2067.1	2026.2	1993.8	1949.7
15°	2290.8	2283.4	2278.0	2259.7	2245.6	2217.2	2180.1	2145.0	2100.4	2059.3	2018.1
17.5°	2398.5	2404.4	2394.3	2377.7	2333.7	2300.6	2250.8	2202.8	2147.3	2092.1	2042.9
20°	2494.6	2500.0	2484.5	2455.5	2402.8	2369.8	2304.3	2242.2	2178.1	2107.2	2053.2
22.5°	2614.5	2610.2	2589.2	2545.1	2499.5	2438.3	2367.5	2291.9	2211.5	2131.5	2059.7
25°	2818.6	2790.2	2777.4	2722.8	2662.7	2572.9	2475.7	2365.0	2265.1	2159.2	2067.4
27.5°	2931.7	2922.8	2908.5	2870.4	2807.3	2711.3	2596.7	2461.8	2320.9	2187.1	2067.0
30°	2909.0	2910.4	2911.7	2899.6	2859.1	2786.9	2672.8	2527.7	2360.3	2209.8	2070.7
32.5°	2708.2	2732.7	2756.2	2784.0	2795.4	2781.5	2710.1	2579.0	2406.7	2235.7	2068.6
35°	2262.4	2269.9	2346.1	2421.7	2524.3	2604.0	2657.3	2599.2	2454.1	2257.7	2066.0
37.5°	1764.1	1800.5	1853.3	1938.7	2086.8	2219.4	2389.9	2468.3	2421.5	2264.9	2061.3
40°	1503.8	1537.5	1572.0	1659.0	1783.9	1944.5	2138.2	2303.6	2342.1	2242.2	2045.1
42.5°	1302.9	1329.7	1367.9	1433.3	1537.7	1680.0	1865.0	2081.1	2214.1	2176.3	2011.1
45°	1066.4	1083.3	1113.0	1165.0	1240.6	1351.9	1515.3	1751.5	1957.4	2025.5	1930.4
47.5°	912.8	912.7	935.8	971.7	1026.2	1120.8	1241.6	1426.7	1646.6	1809.3	1801.7
50°	827.5	824.1	842.3	873.4	916.6	979.4	1094.8	1242.6	1453.8	1638.1	1689.4
52.5°	754.1	754.5	765.7	788.6	824.8	878.4	964.6	1097.9	1278.4	1467.5	1564.1
55°	657.4	654.7	667.5	683.1	709.4	744.5	806.6	908.5	1054.9	1241.2	1366.8
57.5°	568.8	576.3	581.4	592.2	614.1	637.6	689.9	764.7	880.9	1040.8	1173.5
60°	517.0	524.4	528.5	539.3	556.8	577.1	617.6	678.3	776.2	913.9	1045.5
62.5°	470.6	476.4	477.7	487.4	501.8	521.5	553.3	604.4	681.7	802.1	931.0
65°	403.6	403.6	406.3	416.4	423.2	440.7	465.0	502.2	564.3	658.1	768.1
67.5°	339.1	342.3	341.7	346.1	352.3	366.0	383.4	414.0	460.0	528.5	616.5
70°	297.0	299.7	299.0	302.4	309.1	317.9	332.1	361.1	394.2	452.9	528.5
72.5°	259.2	260.3	258.5	263.0	267.0	274.7	290.5	306.0	336.9	386.5	448.6
75°	198.4	199.8	201.1	203.8	207.9	211.9	220.0	235.6	255.8	292.9	332.8
77.5°	148.8	146.2	149.4	149.0	151.3	154.4	161.6	169.8	186.4	209.9	240.7
80°	112.0	112.7	112.7	113.4	116.8	118.8	124.9	130.9	143.8	161.3	182.9
82.5°	81.8	83.6	82.5	83.7	86.5	88.0	91.4	96.4	103.8	117.6	133.2
85°	44.5	41.2	42.5	43.9	43.9	44.5	47.2	49.3	53.3	58.7	64.8
87.5°	17.8	18.7	19.1	19.0	19.4	19.2	21.1	20.9	22.3	23.7	25.6
90°	24.0	23.3	22.6	22.0	21.3	20.4	19.3	18.2	17.1	16.0	14.4
92.5°	47.1	46.6	46.1	45.7	45.2	44.2	42.7	41.3	39.8	38.3	36.4
95°	85.9	85.4	85.0	84.5	84.1	83.1	81.5	80.0	78.4	76.9	74.7
97.5°	130.2	129.9	129.7	129.4	129.1	128.3	126.8	125.3	123.9	122.4	119.3
100°	163.7	163.3	162.8	162.4	162.0	160.7	158.7	156.7	154.7	152.7	149.9
102.5°	197.3	196.7	196.0	195.4	194.8	193.4	191.2	189.0	186.9	184.7	183.2
105°	247.6	246.9	246.3	245.6	244.9	243.9	242.6	241.3	239.9	238.6	237.3
107.5°	299.1	299.2	299.2	299.2	299.3	299.0	298.3	297.6	297.0	296.3	295.3
110°	337.4	337.7	337.9	338.1	338.3	338.1	337.4	336.8	336.1	335.4	334.8



TEST NUMBER: P333278

CATALOG NUMBER: S125DIP-S1090D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	375.0	375.4	375.8	376.2	376.6	376.6	376.3	376.0	375.7	375.4	374.5
115°	434.3	434.5	434.7	434.9	435.2	435.4	435.6	435.8	436.1	436.3	435.8
117.5°	492.2	493.1	494.0	494.8	495.7	496.1	495.9	495.7	495.6	495.4	495.0
120°	532.1	533.0	533.9	534.8	535.7	536.1	536.1	536.1	536.1	536.1	535.9
122.5°	572.1	572.8	573.5	574.2	574.9	575.3	575.5	575.7	575.9	576.0	575.5
125°	632.0	632.2	632.4	632.6	632.8	633.2	633.6	634.1	634.5	635.0	634.7
127.5°	689.5	689.9	690.3	690.8	691.2	691.6	691.8	692.0	692.2	692.5	692.2
130°	727.8	728.2	728.7	729.1	729.6	729.9	730.1	730.3	730.6	730.8	730.3
132.5°	763.7	764.4	765.0	765.6	766.2	766.6	766.9	767.1	767.3	767.5	767.6
135°	819.6	820.5	821.4	822.3	823.2	823.6	823.6	823.6	823.6	823.6	823.4
137.5°	874.4	875.5	876.6	877.7	878.8	879.2	878.9	878.7	878.4	878.1	877.7
140°	909.5	910.6	911.7	912.8	913.9	914.3	913.8	913.4	912.9	912.5	911.8
142.5°	943.0	944.2	945.3	946.4	947.5	947.9	947.6	947.4	947.1	946.8	946.0
145°	993.4	994.0	994.7	995.4	996.0	996.4	996.4	996.4	996.4	996.4	995.7
147.5°	1036.3	1037.8	1039.3	1040.8	1042.3	1042.8	1042.3	1041.7	1041.2	1040.7	1040.1
150°	1068.2	1068.7	1069.1	1069.6	1070.0	1070.2	1070.2	1070.2	1070.2	1070.2	1069.3
152.5°	1094.6	1095.4	1096.2	1097.0	1097.8	1097.9	1097.4	1096.9	1096.3	1095.8	1095.4
155°	1132.1	1133.2	1134.3	1135.5	1136.6	1136.7	1135.8	1134.9	1134.0	1133.1	1132.9
157.5°	1163.5	1164.9	1166.4	1167.9	1169.3	1169.6	1168.7	1167.8	1167.0	1166.1	1165.9
160°	1185.0	1186.2	1187.3	1188.4	1189.5	1189.6	1188.7	1187.8	1186.9	1186.0	1185.8
162.5°	1203.4	1204.7	1206.0	1207.3	1208.6	1208.7	1207.6	1206.5	1205.5	1204.4	1204.4
165°	1228.0	1229.3	1230.6	1232.0	1233.3	1233.5	1232.6	1231.7	1230.9	1230.0	1229.7
167.5°	1247.5	1248.9	1250.3	1251.7	1253.0	1253.1	1251.7	1250.4	1249.1	1247.7	1247.7
170°	1257.9	1259.5	1261.0	1262.6	1264.1	1264.2	1262.9	1261.6	1260.3	1258.9	1258.9
172.5°	1266.7	1268.1	1269.5	1270.8	1272.2	1272.2	1270.9	1269.6	1268.2	1266.9	1266.9
175°	1274.9	1276.4	1278.0	1279.6	1281.1	1281.2	1279.9	1278.6	1277.2	1275.9	1275.9
177.5°	1279.7	1280.9	1282.2	1283.4	1284.7	1284.7	1283.7	1282.6	1281.6	1280.5	1280.7
180°	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9



TEST NUMBER: P333278

CATALOG NUMBER: S125DIP-S1090D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1636.1	1632.3	1628.0	1620.4	1611.2	1606.4	1598.8	1594.0	1584.2	1576.1	1567.5
5°	1719.1	1701.6	1685.4	1664.4	1641.5	1626.6	1609.1	1589.5	1569.3	1548.3	1525.4
7.5°	1805.1	1774.0	1740.3	1704.0	1668.5	1635.8	1604.6	1574.0	1545.4	1510.8	1481.5
10°	1862.9	1823.7	1781.9	1732.6	1684.7	1642.8	1600.3	1563.2	1525.4	1484.9	1449.1
12.5°	1920.6	1868.5	1809.4	1755.3	1697.6	1647.1	1597.1	1549.7	1502.2	1457.4	1415.6
15°	1961.4	1915.5	1860.8	1783.9	1719.1	1649.6	1583.4	1522.0	1464.6	1414.7	1362.1
17.5°	1988.3	1929.1	1870.4	1796.6	1711.7	1633.9	1559.0	1488.7	1424.0	1360.7	1309.9
20°	1993.1	1932.4	1871.0	1798.7	1711.7	1622.6	1547.7	1463.3	1393.8	1328.3	1266.2
22.5°	1991.5	1922.7	1855.8	1781.5	1696.6	1614.5	1523.9	1437.9	1362.5	1298.1	1233.3
25°	1976.3	1902.7	1819.0	1744.1	1660.4	1573.3	1481.5	1392.4	1315.5	1241.9	1177.8
27.5°	1963.6	1868.1	1773.4	1686.0	1605.2	1525.4	1437.5	1346.3	1260.9	1186.4	1126.0
30°	1947.9	1843.3	1736.6	1645.5	1562.5	1484.9	1401.9	1312.8	1223.7	1150.8	1086.0
32.5°	1933.9	1812.0	1699.4	1600.2	1512.3	1436.8	1360.3	1275.5	1188.0	1114.1	1049.3
35°	1906.7	1765.7	1636.8	1524.7	1430.9	1353.3	1289.2	1210.2	1129.9	1058.3	996.2
37.5°	1872.3	1704.9	1566.6	1449.1	1346.3	1264.5	1204.8	1144.2	1067.1	998.1	942.0
40°	1845.3	1661.7	1515.3	1395.1	1288.5	1203.4	1148.1	1090.7	1026.6	962.5	903.1
42.5°	1811.3	1622.9	1463.4	1334.1	1228.5	1145.7	1087.6	1038.9	982.3	922.5	867.4
45°	1748.8	1552.4	1379.6	1240.6	1133.9	1052.2	992.2	955.7	913.2	856.5	809.9
47.5°	1656.9	1467.7	1289.0	1145.5	1035.5	959.8	903.5	868.5	838.6	796.4	754.2
50°	1575.3	1404.6	1223.7	1081.3	971.3	895.0	843.0	811.3	785.6	753.2	717.5
52.5°	1484.1	1325.2	1159.4	1018.6	909.7	834.5	783.6	755.7	734.3	711.1	675.9
55°	1339.1	1204.1	1050.2	916.6	816.0	742.4	697.9	673.6	656.1	638.5	616.9
57.5°	1179.4	1073.8	937.5	815.3	722.7	655.8	614.2	590.6	576.9	567.9	555.2
60°	1067.1	976.7	859.2	747.8	657.4	598.0	557.5	539.3	527.8	520.4	510.9
62.5°	962.9	888.6	779.8	678.2	599.1	542.9	506.8	489.1	478.1	474.5	466.7
65°	809.3	751.9	662.1	577.8	510.3	462.3	432.0	415.1	408.3	404.3	405.0
67.5°	657.9	623.0	550.9	478.9	425.1	384.9	360.6	347.6	344.2	338.8	338.7
70°	565.6	539.3	478.5	415.8	367.8	336.8	315.2	301.7	298.3	295.6	295.0
72.5°	484.1	461.0	408.3	358.0	314.9	287.7	269.8	261.7	256.2	254.6	254.5
75°	363.8	351.0	309.1	269.3	239.6	220.7	208.6	201.1	197.1	196.4	197.1
77.5°	258.6	247.4	220.8	192.6	173.9	159.6	149.3	146.7	142.1	142.3	141.6
80°	194.4	187.0	170.1	147.8	132.3	120.1	114.7	110.0	108.7	106.6	108.7
82.5°	140.9	133.0	121.5	107.3	94.5	87.2	81.8	80.3	79.5	78.6	79.0
85°	69.5	70.2	63.4	52.6	47.2	43.2	39.8	39.8	39.1	38.5	39.1
87.5°	26.3	24.9	22.5	20.5	17.5	15.5	14.6	14.8	13.5	13.3	14.2
90°	12.9	11.3	9.8	8.1	6.3	4.5	2.8	1.0	2.8	4.5	6.3
92.5°	34.5	32.6	30.7	29.1	27.9	26.6	25.4	24.2	25.4	26.6	27.9
95°	72.4	70.2	68.0	66.7	66.2	65.8	65.3	64.9	65.3	65.8	66.2
97.5°	116.3	113.2	110.2	108.5	108.4	108.2	108.0	107.8	108.0	108.2	108.4
100°	147.0	144.1	141.2	139.8	139.8	139.8	139.8	139.8	139.8	139.8	139.8
102.5°	181.8	180.3	178.8	177.7	176.8	175.9	175.0	174.1	175.0	175.9	176.8
105°	235.9	234.6	233.3	232.1	231.0	229.8	228.7	227.6	228.7	229.8	231.0
107.5°	294.3	293.2	292.2	291.2	290.1	288.9	287.8	286.7	287.8	288.9	290.1
110°	334.1	333.4	332.8	331.9	330.8	329.7	328.6	327.5	328.6	329.7	330.8



TEST NUMBER: P333278

CATALOG NUMBER: S125DIP-S1090D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	373.7	372.9	372.0	371.3	370.7	370.1	369.6	369.0	369.6	370.1	370.7
115°	435.4	434.9	434.5	433.8	433.0	432.1	431.2	430.3	431.2	432.1	433.0
117.5°	494.6	494.2	493.8	493.4	493.0	492.6	492.2	491.8	492.2	492.6	493.0
120°	535.7	535.4	535.2	534.6	533.5	532.3	531.2	530.1	531.2	532.3	533.5
122.5°	574.9	574.3	573.7	573.3	572.9	572.5	572.1	571.7	572.1	572.5	572.9
125°	634.5	634.3	634.1	633.3	632.0	630.6	629.3	628.0	629.3	630.6	632.0
127.5°	691.9	691.7	691.4	690.9	690.1	689.4	688.6	687.9	688.6	689.4	690.1
130°	729.9	729.5	729.0	728.2	727.1	726.0	724.9	723.8	724.9	726.0	727.1
132.5°	767.7	767.8	767.9	767.0	765.2	763.4	761.6	759.7	761.6	763.4	765.2
135°	823.2	823.0	822.8	822.0	820.6	819.3	818.0	816.7	818.0	819.3	820.6
137.5°	877.2	876.7	876.2	875.3	874.0	872.7	871.4	870.2	871.4	872.7	874.0
140°	911.2	910.5	909.8	908.9	907.8	906.7	905.6	904.5	905.6	906.7	907.8
142.5°	945.2	944.3	943.5	942.6	941.6	940.7	939.8	938.8	939.8	940.7	941.6
145°	995.0	994.4	993.7	992.9	992.0	991.1	990.3	989.4	990.3	991.1	992.0
147.5°	1039.6	1039.1	1038.6	1038.0	1037.6	1037.1	1036.6	1036.1	1036.6	1037.1	1037.6
150°	1068.5	1067.6	1066.7	1066.4	1066.6	1066.8	1067.0	1067.2	1067.0	1066.8	1066.6
152.5°	1095.1	1094.7	1094.4	1094.0	1093.7	1093.4	1093.1	1092.8	1093.1	1093.4	1093.7
155°	1132.7	1132.5	1132.2	1132.1	1132.1	1132.1	1132.1	1132.1	1132.1	1132.1	1132.1
157.5°	1165.6	1165.4	1165.2	1165.3	1165.8	1166.3	1166.8	1167.3	1166.8	1166.3	1165.8
160°	1185.6	1185.4	1185.2	1185.4	1186.0	1186.7	1187.4	1188.0	1187.4	1186.7	1186.0
162.5°	1204.3	1204.3	1204.2	1204.5	1204.9	1205.4	1205.9	1206.4	1205.9	1205.4	1204.9
165°	1229.5	1229.3	1229.1	1229.2	1229.6	1230.1	1230.5	1231.0	1230.5	1230.1	1229.6
167.5°	1247.7	1247.7	1247.7	1248.2	1249.1	1250.0	1250.8	1251.7	1250.8	1250.0	1249.1
170°	1258.9	1258.9	1258.9	1259.4	1260.3	1261.1	1262.0	1262.9	1262.0	1261.1	1260.3
172.5°	1266.9	1266.9	1266.9	1267.4	1268.2	1269.1	1270.0	1270.9	1270.0	1269.1	1268.2
175°	1275.9	1275.9	1275.9	1276.3	1277.2	1278.1	1279.0	1279.9	1279.0	1278.1	1277.2
177.5°	1280.8	1281.0	1281.2	1281.6	1282.3	1283.1	1283.8	1284.5	1283.8	1283.1	1282.3
180°	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9



TEST NUMBER: P333278

CATALOG NUMBER: S125DIP-S1090D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1562.6	1556.7	1551.8	1541.0	1535.1	1527.0	1520.5	1527.5	1520.0	1523.2	1518.4
5°	1513.9	1495.0	1481.5	1461.9	1445.1	1429.5	1418.1	1416.0	1410.6	1407.9	1399.8
7.5°	1455.3	1431.7	1408.5	1382.8	1361.2	1339.2	1325.2	1313.6	1305.9	1295.8	1288.9
10°	1420.8	1389.0	1362.1	1331.0	1304.0	1280.4	1261.5	1252.0	1243.3	1230.4	1225.7
12.5°	1378.1	1345.3	1312.4	1279.2	1253.2	1226.9	1210.7	1196.4	1190.3	1175.9	1174.4
15°	1327.0	1277.7	1245.3	1211.5	1175.8	1154.2	1140.7	1125.1	1118.4	1108.3	1100.8
17.5°	1265.9	1221.9	1181.4	1146.5	1115.8	1097.6	1080.9	1070.2	1058.6	1052.0	1039.8
20°	1221.7	1179.8	1139.3	1102.2	1078.6	1057.6	1044.1	1034.0	1021.9	1018.5	1006.4
22.5°	1184.4	1138.2	1099.4	1068.2	1042.4	1018.8	1004.2	997.3	988.9	978.5	976.1
25°	1123.8	1075.9	1042.8	1011.8	988.8	967.2	957.1	948.3	940.2	932.8	930.1
27.5°	1071.4	1028.6	989.3	961.3	941.3	921.6	912.7	902.0	896.1	890.1	882.8
30°	1034.7	990.8	956.4	929.4	907.8	890.3	880.8	873.4	868.0	862.6	858.5
32.5°	996.9	956.3	922.9	896.5	874.9	861.6	853.3	848.0	842.1	835.6	830.5
35°	947.0	902.4	870.0	847.1	830.2	820.1	810.6	805.9	799.1	799.1	793.7
37.5°	890.7	852.2	823.6	802.7	787.5	778.5	768.2	765.0	760.7	757.8	755.9
40°	857.2	821.4	794.4	773.5	757.3	749.9	741.8	736.4	733.7	730.3	728.9
42.5°	822.6	788.5	762.6	743.3	729.2	722.9	715.3	711.5	706.1	701.7	700.9
45°	770.1	737.0	713.4	697.9	685.7	678.3	673.6	665.5	662.8	657.4	656.7
47.5°	720.3	688.6	665.4	652.7	642.0	635.9	628.5	620.4	617.3	614.6	614.3
50°	683.1	654.0	632.4	620.3	610.2	601.4	594.0	588.6	586.5	586.5	587.9
52.5°	645.3	620.5	602.2	587.3	577.8	568.4	561.6	558.3	555.2	558.5	560.9
55°	589.9	564.9	551.4	537.3	527.8	517.0	513.6	512.3	510.3	515.7	518.4
57.5°	531.3	513.8	498.0	483.9	475.4	469.2	464.6	463.8	467.6	470.2	478.9
60°	494.1	473.8	459.6	448.8	438.7	434.7	433.3	432.0	434.7	442.1	453.6
62.5°	453.0	436.6	421.3	413.2	405.8	399.0	398.8	399.6	405.0	413.5	424.9
65°	392.8	378.6	368.5	359.1	353.0	348.9	350.3	353.0	359.1	370.5	383.4
67.5°	331.7	322.0	312.9	305.2	299.4	299.4	300.8	304.8	312.0	325.2	336.9
70°	292.3	281.5	274.0	270.7	265.9	263.2	267.3	274.0	280.1	292.3	302.4
72.5°	252.8	243.7	237.9	235.6	233.5	231.4	232.7	240.0	248.2	260.4	272.1
75°	194.4	191.0	187.0	184.3	182.2	183.6	184.9	191.7	198.4	211.3	224.8
77.5°	141.9	138.4	135.9	135.3	134.2	134.9	138.6	143.6	150.2	159.6	169.8
80°	107.3	106.0	104.6	103.9	103.9	104.6	110.0	113.4	119.5	128.2	136.3
82.5°	78.2	77.3	77.1	76.9	77.5	77.6	80.9	85.3	90.3	96.9	103.9
85°	41.2	39.8	41.8	42.5	41.2	43.2	44.5	47.2	49.3	52.6	56.0
87.5°	15.1	16.5	16.3	17.2	17.5	18.9	18.5	20.9	22.2	23.5	23.2
90°	8.1	9.8	11.3	12.9	14.4	16.0	17.1	18.2	19.3	20.4	21.3
92.5°	29.1	30.7	32.6	34.5	36.4	38.3	39.8	41.3	42.7	44.2	45.2
95°	66.7	68.0	70.2	72.4	74.7	76.9	78.4	80.0	81.5	83.1	84.1
97.5°	108.5	110.2	113.2	116.3	119.3	122.4	123.9	125.3	126.8	128.3	129.1
100°	139.8	141.2	144.1	147.0	149.9	152.7	154.7	156.7	158.7	160.7	162.0
102.5°	177.7	178.8	180.3	181.8	183.2	184.7	186.9	189.0	191.2	193.4	194.8
105°	232.1	233.3	234.6	235.9	237.3	238.6	239.9	241.3	242.6	243.9	244.9
107.5°	291.2	292.2	293.2	294.3	295.3	296.3	297.0	297.6	298.3	299.0	299.3
110°	331.9	332.8	333.4	334.1	334.8	335.4	336.1	336.8	337.4	338.1	338.3



TEST NUMBER: P333278

CATALOG NUMBER: S125DIP-S1090D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	371.3	372.0	372.9	373.7	374.5	375.4	375.7	376.0	376.3	376.6	376.6
115°	433.8	434.5	434.9	435.4	435.8	436.3	436.1	435.8	435.6	435.4	435.2
117.5°	493.4	493.8	494.2	494.6	495.0	495.4	495.6	495.7	495.9	496.1	495.7
120°	534.6	535.2	535.4	535.7	535.9	536.1	536.1	536.1	536.1	536.1	535.7
122.5°	573.3	573.7	574.3	574.9	575.5	576.0	575.9	575.7	575.5	575.3	574.9
125°	633.3	634.1	634.3	634.5	634.7	635.0	634.5	634.1	633.6	633.2	632.8
127.5°	690.9	691.4	691.7	691.9	692.2	692.5	692.2	692.0	691.8	691.6	691.2
130°	728.2	729.0	729.5	729.9	730.3	730.8	730.6	730.3	730.1	729.9	729.6
132.5°	767.0	767.9	767.8	767.7	767.6	767.5	767.3	767.1	766.9	766.6	766.2
135°	822.0	822.8	823.0	823.2	823.4	823.6	823.6	823.6	823.6	823.6	823.2
137.5°	875.3	876.2	876.7	877.2	877.7	878.1	878.4	878.7	878.9	879.2	878.8
140°	908.9	909.8	910.5	911.2	911.8	912.5	912.9	913.4	913.8	914.3	913.9
142.5°	942.6	943.5	944.3	945.2	946.0	946.8	947.1	947.4	947.6	947.9	947.5
145°	992.9	993.7	994.4	995.0	995.7	996.4	996.4	996.4	996.4	996.4	996.0
147.5°	1038.0	1038.6	1039.1	1039.6	1040.1	1040.7	1041.2	1041.7	1042.3	1042.8	1042.3
150°	1066.4	1066.7	1067.6	1068.5	1069.3	1070.2	1070.2	1070.2	1070.2	1070.2	1070.0
152.5°	1094.0	1094.4	1094.7	1095.1	1095.4	1095.8	1096.3	1096.9	1097.4	1097.9	1097.8
155°	1132.1	1132.2	1132.5	1132.7	1132.9	1133.1	1134.0	1134.9	1135.8	1136.7	1136.6
157.5°	1165.3	1165.2	1165.4	1165.6	1165.9	1166.1	1167.0	1167.8	1168.7	1169.6	1169.3
160°	1185.4	1185.2	1185.4	1185.6	1185.8	1186.0	1186.9	1187.8	1188.7	1189.6	1189.5
162.5°	1204.5	1204.2	1204.3	1204.3	1204.4	1204.4	1205.5	1206.5	1207.6	1208.7	1208.6
165°	1229.2	1229.1	1229.3	1229.5	1229.7	1230.0	1230.9	1231.7	1232.6	1233.5	1233.3
167.5°	1248.2	1247.7	1247.7	1247.7	1247.7	1247.7	1249.1	1250.4	1251.7	1253.1	1253.0
170°	1259.4	1258.9	1258.9	1258.9	1258.9	1258.9	1260.3	1261.6	1262.9	1264.2	1264.1
172.5°	1267.4	1266.9	1266.9	1266.9	1266.9	1266.9	1268.2	1269.6	1270.9	1272.2	1272.2
175°	1276.3	1275.9	1275.9	1275.9	1275.9	1275.9	1277.2	1278.6	1279.9	1281.2	1281.1
177.5°	1281.6	1281.2	1281.0	1280.8	1280.7	1280.5	1281.6	1282.6	1283.7	1284.7	1284.7
180°	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9



TEST NUMBER: P333278

CATALOG NUMBER: S125DIP-S1090D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1515.1	1518.9	1515.7	1520.0	1515.7	1518.9	1515.1	1518.4	1523.2	1520.0	1527.5
5°	1396.5	1390.4	1394.4	1391.7	1394.4	1390.4	1396.5	1399.8	1407.9	1410.6	1416.0
7.5°	1286.9	1281.1	1274.4	1271.3	1274.4	1281.1	1286.9	1288.9	1295.8	1305.9	1313.6
10°	1218.3	1210.9	1210.2	1205.5	1210.2	1210.9	1218.3	1225.7	1230.4	1243.3	1252.0
12.5°	1168.1	1161.2	1153.5	1151.5	1153.5	1161.2	1168.1	1174.4	1175.9	1190.3	1196.4
15°	1096.8	1091.4	1086.7	1090.7	1086.7	1091.4	1096.8	1100.8	1108.3	1118.4	1125.1
17.5°	1037.5	1033.1	1032.3	1027.3	1032.3	1033.1	1037.5	1039.8	1052.0	1058.6	1070.2
20°	1000.3	996.9	998.3	989.5	998.3	996.9	1000.3	1006.4	1018.5	1021.9	1034.0
22.5°	970.6	964.0	963.2	961.4	963.2	964.0	970.6	976.1	978.5	988.9	997.3
25°	924.0	920.6	917.3	920.6	917.3	920.6	924.0	930.1	932.8	940.2	948.3
27.5°	883.4	879.3	878.4	878.8	878.4	879.3	883.4	882.8	890.1	896.1	902.0
30°	858.5	851.8	852.5	851.8	852.5	851.8	858.5	858.5	862.6	868.0	873.4
32.5°	831.5	826.9	826.0	824.8	826.0	826.9	831.5	830.5	835.6	842.1	848.0
35°	791.7	791.7	788.3	788.3	788.3	791.7	791.7	793.7	799.1	799.1	805.9
37.5°	754.3	753.6	751.6	751.9	751.6	753.6	754.3	755.9	757.8	760.7	765.0
40°	726.2	725.6	723.5	719.5	723.5	725.6	726.2	728.9	730.3	733.7	736.4
42.5°	699.2	697.0	696.0	694.7	696.0	697.0	699.2	700.9	701.7	706.1	711.5
45°	656.7	656.7	655.4	654.7	655.4	656.7	656.7	656.7	657.4	662.8	665.5
47.5°	615.4	616.6	619.2	618.8	619.2	616.6	615.4	614.3	614.6	617.3	620.4
50°	590.6	591.3	593.3	594.0	593.3	591.3	590.6	587.9	586.5	586.5	588.6
52.5°	563.0	567.0	569.5	569.1	569.5	567.0	563.0	560.9	558.5	555.2	558.3
55°	524.4	529.2	533.9	534.6	533.9	529.2	524.4	518.4	515.7	510.3	512.3
57.5°	486.2	492.8	497.8	499.5	497.8	492.8	486.2	478.9	470.2	467.6	463.8
60°	460.3	469.1	475.2	477.9	475.2	469.1	460.3	453.6	442.1	434.7	432.0
62.5°	435.5	445.3	451.4	451.9	451.4	445.3	435.5	424.9	413.5	405.0	399.6
65°	394.8	405.0	410.4	414.4	410.4	405.0	394.8	383.4	370.5	359.1	353.0
67.5°	351.1	361.2	367.2	370.4	367.2	361.2	351.1	336.9	325.2	312.0	304.8
70°	319.3	329.4	337.5	340.2	337.5	329.4	319.3	302.4	292.3	280.1	274.0
72.5°	287.9	297.0	303.5	306.7	303.5	297.0	287.9	272.1	260.4	248.2	240.0
75°	233.5	245.7	251.8	255.1	251.8	245.7	233.5	224.8	211.3	198.4	191.7
77.5°	180.1	191.1	194.8	196.5	194.8	191.1	180.1	169.8	159.6	150.2	143.6
80°	144.4	151.2	155.9	156.6	155.9	151.2	144.4	136.3	128.2	119.5	113.4
82.5°	111.0	116.6	118.1	119.9	118.1	116.6	111.0	103.9	96.9	90.3	85.3
85°	60.7	63.4	64.1	63.4	64.1	63.4	60.7	56.0	52.6	49.3	47.2
87.5°	24.4	24.0	24.1	25.3	24.1	24.0	24.4	23.2	23.5	22.2	20.9
90°	22.0	22.6	23.3	24.0	23.3	22.6	22.0	21.3	20.4	19.3	18.2
92.5°	45.7	46.1	46.6	47.1	46.6	46.1	45.7	45.2	44.2	42.7	41.3
95°	84.5	85.0	85.4	85.9	85.4	85.0	84.5	84.1	83.1	81.5	80.0
97.5°	129.4	129.7	129.9	130.2	129.9	129.7	129.4	129.1	128.3	126.8	125.3
100°	162.4	162.8	163.3	163.7	163.3	162.8	162.4	162.0	160.7	158.7	156.7
102.5°	195.4	196.0	196.7	197.3	196.7	196.0	195.4	194.8	193.4	191.2	189.0
105°	245.6	246.3	246.9	247.6	246.9	246.3	245.6	244.9	243.9	242.6	241.3
107.5°	299.2	299.2	299.2	299.1	299.2	299.2	299.2	299.3	299.0	298.3	297.6
110°	338.1	337.9	337.7	337.4	337.7	337.9	338.1	338.3	338.1	337.4	336.8



TEST NUMBER: P333278

CATALOG NUMBER: S125DIP-S1090D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	376.2	375.8	375.4	375.0	375.4	375.8	376.2	376.6	376.6	376.3	376.0
115°	434.9	434.7	434.5	434.3	434.5	434.7	434.9	435.2	435.4	435.6	435.8
117.5°	494.8	494.0	493.1	492.2	493.1	494.0	494.8	495.7	496.1	495.9	495.7
120°	534.8	533.9	533.0	532.1	533.0	533.9	534.8	535.7	536.1	536.1	536.1
122.5°	574.2	573.5	572.8	572.1	572.8	573.5	574.2	574.9	575.3	575.5	575.7
125°	632.6	632.4	632.2	632.0	632.2	632.4	632.6	632.8	633.2	633.6	634.1
127.5°	690.8	690.3	689.9	689.5	689.9	690.3	690.8	691.2	691.6	691.8	692.0
130°	729.1	728.7	728.2	727.8	728.2	728.7	729.1	729.6	729.9	730.1	730.3
132.5°	765.6	765.0	764.4	763.7	764.4	765.0	765.6	766.2	766.6	766.9	767.1
135°	822.3	821.4	820.5	819.6	820.5	821.4	822.3	823.2	823.6	823.6	823.6
137.5°	877.7	876.6	875.5	874.4	875.5	876.6	877.7	878.8	879.2	878.9	878.7
140°	912.8	911.7	910.6	909.5	910.6	911.7	912.8	913.9	914.3	913.8	913.4
142.5°	946.4	945.3	944.2	943.0	944.2	945.3	946.4	947.5	947.9	947.6	947.4
145°	995.4	994.7	994.0	993.4	994.0	994.7	995.4	996.0	996.4	996.4	996.4
147.5°	1040.8	1039.3	1037.8	1036.3	1037.8	1039.3	1040.8	1042.3	1042.8	1042.3	1041.7
150°	1069.6	1069.1	1068.7	1068.2	1068.7	1069.1	1069.6	1070.0	1070.2	1070.2	1070.2
152.5°	1097.0	1096.2	1095.4	1094.6	1095.4	1096.2	1097.0	1097.8	1097.9	1097.4	1096.9
155°	1135.5	1134.3	1133.2	1132.1	1133.2	1134.3	1135.5	1136.6	1136.7	1135.8	1134.9
157.5°	1167.9	1166.4	1164.9	1163.5	1164.9	1166.4	1167.9	1169.3	1169.6	1168.7	1167.8
160°	1188.4	1187.3	1186.2	1185.0	1186.2	1187.3	1188.4	1189.5	1189.6	1188.7	1187.8
162.5°	1207.3	1206.0	1204.7	1203.4	1204.7	1206.0	1207.3	1208.6	1208.7	1207.6	1206.5
165°	1232.0	1230.6	1229.3	1228.0	1229.3	1230.6	1232.0	1233.3	1233.5	1232.6	1231.7
167.5°	1251.7	1250.3	1248.9	1247.5	1248.9	1250.3	1251.7	1253.0	1253.1	1251.7	1250.4
170°	1262.6	1261.0	1259.5	1257.9	1259.5	1261.0	1262.6	1264.1	1264.2	1262.9	1261.6
172.5°	1270.8	1269.5	1268.1	1266.7	1268.1	1269.5	1270.8	1272.2	1272.2	1270.9	1269.6
175°	1279.6	1278.0	1276.4	1274.9	1276.4	1278.0	1279.6	1281.1	1281.2	1279.9	1278.6
177.5°	1283.4	1282.2	1280.9	1279.7	1280.9	1282.2	1283.4	1284.7	1284.7	1283.7	1282.6
180°	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9



TEST NUMBER: P333278

CATALOG NUMBER: S125DIP-S1090D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1520.5	1527.0	1535.1	1541.0	1551.8	1556.7	1562.6	1567.5	1576.1	1584.2	1594.0
5°	1418.1	1429.5	1445.1	1461.9	1481.5	1495.0	1513.9	1525.4	1548.3	1569.3	1589.5
7.5°	1325.2	1339.2	1361.2	1382.8	1408.5	1431.7	1455.3	1481.5	1510.8	1545.4	1574.0
10°	1261.5	1280.4	1304.0	1331.0	1362.1	1389.0	1420.8	1449.1	1484.9	1525.4	1563.2
12.5°	1210.7	1226.9	1253.2	1279.2	1312.4	1345.3	1378.1	1415.6	1457.4	1502.2	1549.7
15°	1140.7	1154.2	1175.8	1211.5	1245.3	1277.7	1327.0	1362.1	1414.7	1464.6	1522.0
17.5°	1080.9	1097.6	1115.8	1146.5	1181.4	1221.9	1265.9	1309.9	1360.7	1424.0	1488.7
20°	1044.1	1057.6	1078.6	1102.2	1139.3	1179.8	1221.7	1266.2	1328.3	1393.8	1463.3
22.5°	1004.2	1018.8	1042.4	1068.2	1099.4	1138.2	1184.4	1233.3	1298.1	1362.5	1437.9
25°	957.1	967.2	988.8	1011.8	1042.8	1075.9	1123.8	1177.8	1241.9	1315.5	1392.4
27.5°	912.7	921.6	941.3	961.3	989.3	1028.6	1071.4	1126.0	1186.4	1260.9	1346.3
30°	880.8	890.3	907.8	929.4	956.4	990.8	1034.7	1086.0	1150.8	1223.7	1312.8
32.5°	853.3	861.6	874.9	896.5	922.9	956.3	996.9	1049.3	1114.1	1188.0	1275.5
35°	810.6	820.1	830.2	847.1	870.0	902.4	947.0	996.2	1058.3	1129.9	1210.2
37.5°	768.2	778.5	787.5	802.7	823.6	852.2	890.7	942.0	998.1	1067.1	1144.2
40°	741.8	749.9	757.3	773.5	794.4	821.4	857.2	903.1	962.5	1026.6	1090.7
42.5°	715.3	722.9	729.2	743.3	762.6	788.5	822.6	867.4	922.5	982.3	1038.9
45°	673.6	678.3	685.7	697.9	713.4	737.0	770.1	809.9	856.5	913.2	955.7
47.5°	628.5	635.9	642.0	652.7	665.4	688.6	720.3	754.2	796.4	838.6	868.5
50°	594.0	601.4	610.2	620.3	632.4	654.0	683.1	717.5	753.2	785.6	811.3
52.5°	561.6	568.4	577.8	587.3	602.2	620.5	645.3	675.9	711.1	734.3	755.7
55°	513.6	517.0	527.8	537.3	551.4	564.9	589.9	616.9	638.5	656.1	673.6
57.5°	464.6	469.2	475.4	483.9	498.0	513.8	531.3	555.2	567.9	576.9	590.6
60°	433.3	434.7	438.7	448.8	459.6	473.8	494.1	510.9	520.4	527.8	539.3
62.5°	398.8	399.0	405.8	413.2	421.3	436.6	453.0	466.7	474.5	478.1	489.1
65°	350.3	348.9	353.0	359.1	368.5	378.6	392.8	405.0	404.3	408.3	415.1
67.5°	300.8	299.4	299.4	305.2	312.9	322.0	331.7	338.7	338.8	344.2	347.6
70°	267.3	263.2	265.9	270.7	274.0	281.5	292.3	295.0	295.6	298.3	301.7
72.5°	232.7	231.4	233.5	235.6	237.9	243.7	252.8	254.5	254.6	256.2	261.7
75°	184.9	183.6	182.2	184.3	187.0	191.0	194.4	197.1	196.4	197.1	201.1
77.5°	138.6	134.9	134.2	135.3	135.9	138.4	141.9	141.6	142.3	142.1	146.7
80°	110.0	104.6	103.9	103.9	104.6	106.0	107.3	108.7	106.6	108.7	110.0
82.5°	80.9	77.6	77.5	76.9	77.1	77.3	78.2	79.0	78.6	79.5	80.3
85°	44.5	43.2	41.2	42.5	41.8	39.8	41.2	39.1	38.5	39.1	39.8
87.5°	18.5	18.9	17.5	17.2	16.3	16.5	15.1	14.2	13.3	13.5	14.8
90°	17.1	16.0	14.4	12.9	11.3	9.8	8.1	6.3	4.5	2.8	1.0
92.5°	39.8	38.3	36.4	34.5	32.6	30.7	29.1	27.9	26.6	25.4	24.2
95°	78.4	76.9	74.7	72.4	70.2	68.0	66.7	66.2	65.8	65.3	64.9
97.5°	123.9	122.4	119.3	116.3	113.2	110.2	108.5	108.4	108.2	108.0	107.8
100°	154.7	152.7	149.9	147.0	144.1	141.2	139.8	139.8	139.8	139.8	139.8
102.5°	186.9	184.7	183.2	181.8	180.3	178.8	177.7	176.8	175.9	175.0	174.1
105°	239.9	238.6	237.3	235.9	234.6	233.3	232.1	231.0	229.8	228.7	227.6
107.5°	297.0	296.3	295.3	294.3	293.2	292.2	291.2	290.1	288.9	287.8	286.7
110°	336.1	335.4	334.8	334.1	333.4	332.8	331.9	330.8	329.7	328.6	327.5



TEST NUMBER: P333278

CATALOG NUMBER: S125DIP-S1090D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	375.7	375.4	374.5	373.7	372.9	372.0	371.3	370.7	370.1	369.6	369.0
115°	436.1	436.3	435.8	435.4	434.9	434.5	433.8	433.0	432.1	431.2	430.3
117.5°	495.6	495.4	495.0	494.6	494.2	493.8	493.4	493.0	492.6	492.2	491.8
120°	536.1	536.1	535.9	535.7	535.4	535.2	534.6	533.5	532.3	531.2	530.1
122.5°	575.9	576.0	575.5	574.9	574.3	573.7	573.3	572.9	572.5	572.1	571.7
125°	634.5	635.0	634.7	634.5	634.3	634.1	633.3	632.0	630.6	629.3	628.0
127.5°	692.2	692.5	692.2	691.9	691.7	691.4	690.9	690.1	689.4	688.6	687.9
130°	730.6	730.8	730.3	729.9	729.5	729.0	728.2	727.1	726.0	724.9	723.8
132.5°	767.3	767.5	767.6	767.7	767.8	767.9	767.0	765.2	763.4	761.6	759.7
135°	823.6	823.6	823.4	823.2	823.0	822.8	822.0	820.6	819.3	818.0	816.7
137.5°	878.4	878.1	877.7	877.2	876.7	876.2	875.3	874.0	872.7	871.4	870.2
140°	912.9	912.5	911.8	911.2	910.5	909.8	908.9	907.8	906.7	905.6	904.5
142.5°	947.1	946.8	946.0	945.2	944.3	943.5	942.6	941.6	940.7	939.8	938.8
145°	996.4	996.4	995.7	995.0	994.4	993.7	992.9	992.0	991.1	990.3	989.4
147.5°	1041.2	1040.7	1040.1	1039.6	1039.1	1038.6	1038.0	1037.6	1037.1	1036.6	1036.1
150°	1070.2	1070.2	1069.3	1068.5	1067.6	1066.7	1066.4	1066.6	1066.8	1067.0	1067.2
152.5°	1096.3	1095.8	1095.4	1095.1	1094.7	1094.4	1094.0	1093.7	1093.4	1093.1	1092.8
155°	1134.0	1133.1	1132.9	1132.7	1132.5	1132.2	1132.1	1132.1	1132.1	1132.1	1132.1
157.5°	1167.0	1166.1	1165.9	1165.6	1165.4	1165.2	1165.3	1165.8	1166.3	1166.8	1167.3
160°	1186.9	1186.0	1185.8	1185.6	1185.4	1185.2	1185.4	1186.0	1186.7	1187.4	1188.0
162.5°	1205.5	1204.4	1204.4	1204.3	1204.3	1204.2	1204.5	1204.9	1205.4	1205.9	1206.4
165°	1230.9	1230.0	1229.7	1229.5	1229.3	1229.1	1229.2	1229.6	1230.1	1230.5	1231.0
167.5°	1249.1	1247.7	1247.7	1247.7	1247.7	1247.7	1248.2	1249.1	1250.0	1250.8	1251.7
170°	1260.3	1258.9	1258.9	1258.9	1258.9	1258.9	1259.4	1260.3	1261.1	1262.0	1262.9
172.5°	1268.2	1266.9	1266.9	1266.9	1266.9	1266.9	1267.4	1268.2	1269.1	1270.0	1270.9
175°	1277.2	1275.9	1275.9	1275.9	1275.9	1275.9	1276.3	1277.2	1278.1	1279.0	1279.9
177.5°	1281.6	1280.5	1280.7	1280.8	1281.0	1281.2	1281.6	1282.3	1283.1	1283.8	1284.5
180°	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9



TEST NUMBER: P333278

CATALOG NUMBER: S125DIP-S1090D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1598.8	1606.4	1611.2	1620.4	1628.0	1632.3	1636.1	1639.3	1643.1	1646.3	1655.5
5°	1609.1	1626.6	1641.5	1664.4	1685.4	1701.6	1719.1	1734.6	1747.4	1765.7	1779.8
7.5°	1604.6	1635.8	1668.5	1704.0	1740.3	1774.0	1805.1	1834.1	1860.4	1892.3	1920.2
10°	1600.3	1642.8	1684.7	1732.6	1781.9	1823.7	1862.9	1902.7	1931.7	1972.2	2006.6
12.5°	1597.1	1647.1	1697.6	1755.3	1809.4	1868.5	1920.6	1949.7	1993.8	2026.2	2067.1
15°	1583.4	1649.6	1719.1	1783.9	1860.8	1915.5	1961.4	2018.1	2059.3	2100.4	2145.0
17.5°	1559.0	1633.9	1711.7	1796.6	1870.4	1929.1	1988.3	2042.9	2092.1	2147.3	2202.8
20°	1547.7	1622.6	1711.7	1798.7	1871.0	1932.4	1993.1	2053.2	2107.2	2178.1	2242.2
22.5°	1523.9	1614.5	1696.6	1781.5	1855.8	1922.7	1991.5	2059.7	2131.5	2211.5	2291.9
25°	1481.5	1573.3	1660.4	1744.1	1819.0	1902.7	1976.3	2067.4	2159.2	2265.1	2365.0
27.5°	1437.5	1525.4	1605.2	1686.0	1773.4	1868.1	1963.6	2067.0	2187.1	2320.9	2461.8
30°	1401.9	1484.9	1562.5	1645.5	1736.6	1843.3	1947.9	2070.7	2209.8	2360.3	2527.7
32.5°	1360.3	1436.8	1512.3	1600.2	1699.4	1812.0	1933.9	2068.6	2235.7	2406.7	2579.0
35°	1289.2	1353.3	1430.9	1524.7	1636.8	1765.7	1906.7	2066.0	2257.7	2454.1	2599.2
37.5°	1204.8	1264.5	1346.3	1449.1	1566.6	1704.9	1872.3	2061.3	2264.9	2421.5	2468.3
40°	1148.1	1203.4	1288.5	1395.1	1515.3	1661.7	1845.3	2045.1	2242.2	2342.1	2303.6
42.5°	1087.6	1145.7	1228.5	1334.1	1463.4	1622.9	1811.3	2011.1	2176.3	2214.1	2081.1
45°	992.2	1052.2	1133.9	1240.6	1379.6	1552.4	1748.8	1930.4	2025.5	1957.4	1751.5
47.5°	903.5	959.8	1035.5	1145.5	1289.0	1467.7	1656.9	1801.7	1809.3	1646.6	1426.7
50°	843.0	895.0	971.3	1081.3	1223.7	1404.6	1575.3	1689.4	1638.1	1453.8	1242.6
52.5°	783.6	834.5	909.7	1018.6	1159.4	1325.2	1484.1	1564.1	1467.5	1278.4	1097.9
55°	697.9	742.4	816.0	916.6	1050.2	1204.1	1339.1	1366.8	1241.2	1054.9	908.5
57.5°	614.2	655.8	722.7	815.3	937.5	1073.8	1179.4	1173.5	1040.8	880.9	764.7
60°	557.5	598.0	657.4	747.8	859.2	976.7	1067.1	1045.5	913.9	776.2	678.3
62.5°	506.8	542.9	599.1	678.2	779.8	888.6	962.9	931.0	802.1	681.7	604.4
65°	432.0	462.3	510.3	577.8	662.1	751.9	809.3	768.1	658.1	564.3	502.2
67.5°	360.6	384.9	425.1	478.9	550.9	623.0	657.9	616.5	528.5	460.0	414.0
70°	315.2	336.8	367.8	415.8	478.5	539.3	565.6	528.5	452.9	394.2	361.1
72.5°	269.8	287.7	314.9	358.0	408.3	461.0	484.1	448.6	386.5	336.9	306.0
75°	208.6	220.7	239.6	269.3	309.1	351.0	363.8	332.8	292.9	255.8	235.6
77.5°	149.3	159.6	173.9	192.6	220.8	247.4	258.6	240.7	209.9	186.4	169.8
80°	114.7	120.1	132.3	147.8	170.1	187.0	194.4	182.9	161.3	143.8	130.9
82.5°	81.8	87.2	94.5	107.3	121.5	133.0	140.9	133.2	117.6	103.8	96.4
85°	39.8	43.2	47.2	52.6	63.4	70.2	69.5	64.8	58.7	53.3	49.3
87.5°	14.6	15.5	17.5	20.5	22.5	24.9	26.3	25.6	23.7	22.3	20.9
90°	2.8	4.5	6.3	8.1	9.8	11.3	12.9	14.4	16.0	17.1	18.2
92.5°	25.4	26.6	27.9	29.1	30.7	32.6	34.5	36.4	38.3	39.8	41.3
95°	65.3	65.8	66.2	66.7	68.0	70.2	72.4	74.7	76.9	78.4	80.0
97.5°	108.0	108.2	108.4	108.5	110.2	113.2	116.3	119.3	122.4	123.9	125.3
100°	139.8	139.8	139.8	139.8	141.2	144.1	147.0	149.9	152.7	154.7	156.7
102.5°	175.0	175.9	176.8	177.7	178.8	180.3	181.8	183.2	184.7	186.9	189.0
105°	228.7	229.8	231.0	232.1	233.3	234.6	235.9	237.3	238.6	239.9	241.3
107.5°	287.8	288.9	290.1	291.2	292.2	293.2	294.3	295.3	296.3	297.0	297.6
110°	328.6	329.7	330.8	331.9	332.8	333.4	334.1	334.8	335.4	336.1	336.8



TEST NUMBER: P333278

CATALOG NUMBER: S125DIP-S1090D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	369.6	370.1	370.7	371.3	372.0	372.9	373.7	374.5	375.4	375.7	376.0
115°	431.2	432.1	433.0	433.8	434.5	434.9	435.4	435.8	436.3	436.1	435.8
117.5°	492.2	492.6	493.0	493.4	493.8	494.2	494.6	495.0	495.4	495.6	495.7
120°	531.2	532.3	533.5	534.6	535.2	535.4	535.7	535.9	536.1	536.1	536.1
122.5°	572.1	572.5	572.9	573.3	573.7	574.3	574.9	575.5	576.0	575.9	575.7
125°	629.3	630.6	632.0	633.3	634.1	634.3	634.5	634.7	635.0	634.5	634.1
127.5°	688.6	689.4	690.1	690.9	691.4	691.7	691.9	692.2	692.5	692.2	692.0
130°	724.9	726.0	727.1	728.2	729.0	729.5	729.9	730.3	730.8	730.6	730.3
132.5°	761.6	763.4	765.2	767.0	767.9	767.8	767.7	767.6	767.5	767.3	767.1
135°	818.0	819.3	820.6	822.0	822.8	823.0	823.2	823.4	823.6	823.6	823.6
137.5°	871.4	872.7	874.0	875.3	876.2	876.7	877.2	877.7	878.1	878.4	878.7
140°	905.6	906.7	907.8	908.9	909.8	910.5	911.2	911.8	912.5	912.9	913.4
142.5°	939.8	940.7	941.6	942.6	943.5	944.3	945.2	946.0	946.8	947.1	947.4
145°	990.3	991.1	992.0	992.9	993.7	994.4	995.0	995.7	996.4	996.4	996.4
147.5°	1036.6	1037.1	1037.6	1038.0	1038.6	1039.1	1039.6	1040.1	1040.7	1041.2	1041.7
150°	1067.0	1066.8	1066.6	1066.4	1066.7	1067.6	1068.5	1069.3	1070.2	1070.2	1070.2
152.5°	1093.1	1093.4	1093.7	1094.0	1094.4	1094.7	1095.1	1095.4	1095.8	1096.3	1096.9
155°	1132.1	1132.1	1132.1	1132.1	1132.2	1132.5	1132.7	1132.9	1133.1	1134.0	1134.9
157.5°	1166.8	1166.3	1165.8	1165.3	1165.2	1165.4	1165.6	1165.9	1166.1	1167.0	1167.8
160°	1187.4	1186.7	1186.0	1185.4	1185.2	1185.4	1185.6	1185.8	1186.0	1186.9	1187.8
162.5°	1205.9	1205.4	1204.9	1204.5	1204.2	1204.3	1204.3	1204.4	1204.4	1205.5	1206.5
165°	1230.5	1230.1	1229.6	1229.2	1229.1	1229.3	1229.5	1229.7	1230.0	1230.9	1231.7
167.5°	1250.8	1250.0	1249.1	1248.2	1247.7	1247.7	1247.7	1247.7	1247.7	1249.1	1250.4
170°	1262.0	1261.1	1260.3	1259.4	1258.9	1258.9	1258.9	1258.9	1258.9	1260.3	1261.6
172.5°	1270.0	1269.1	1268.2	1267.4	1266.9	1266.9	1266.9	1266.9	1266.9	1268.2	1269.6
175°	1279.0	1278.1	1277.2	1276.3	1275.9	1275.9	1275.9	1275.9	1275.9	1277.2	1278.6
177.5°	1283.8	1283.1	1282.3	1281.6	1281.2	1281.0	1280.8	1280.7	1280.5	1281.6	1282.6
180°	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9



TEST NUMBER: P333278

CATALOG NUMBER: S125DIP-S1090D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1663.1	1667.4	1676.6	1673.3	1677.7	1679.8	1682.0
5°	1797.4	1819.0	1828.4	1827.1	1841.3	1837.9	1834.5
7.5°	1949.1	1971.8	1984.5	2000.3	2009.5	2010.1	2018.1
10°	2035.0	2064.7	2076.8	2093.7	2104.5	2110.6	2109.9
12.5°	2100.9	2124.1	2151.3	2159.6	2174.2	2181.8	2179.0
15°	2180.1	2217.2	2245.6	2259.7	2278.0	2283.4	2290.8
17.5°	2250.8	2300.6	2333.7	2377.7	2394.3	2404.4	2398.5
20°	2304.3	2369.8	2402.8	2455.5	2484.5	2500.0	2494.6
22.5°	2367.5	2438.3	2499.5	2545.1	2589.2	2610.2	2614.5
25°	2475.7	2572.9	2662.7	2722.8	2777.4	2790.2	2818.6
27.5°	2596.7	2711.3	2807.3	2870.4	2908.5	2922.8	2931.7
30°	2672.8	2786.9	2859.1	2899.6	2911.7	2910.4	2909.0
32.5°	2710.1	2781.5	2795.4	2784.0	2756.2	2732.7	2708.2
35°	2657.3	2604.0	2524.3	2421.7	2346.1	2269.9	2262.4
37.5°	2389.9	2219.4	2086.8	1938.7	1853.3	1800.5	1764.1
40°	2138.2	1944.5	1783.9	1659.0	1572.0	1537.5	1503.8
42.5°	1865.0	1680.0	1537.7	1433.3	1367.9	1329.7	1302.9
45°	1515.3	1351.9	1240.6	1165.0	1113.0	1083.3	1066.4
47.5°	1241.6	1120.8	1026.2	971.7	935.8	912.7	912.8
50°	1094.8	979.4	916.6	873.4	842.3	824.1	827.5
52.5°	964.6	878.4	824.8	788.6	765.7	754.5	754.1
55°	806.6	744.5	709.4	683.1	667.5	654.7	657.4
57.5°	689.9	637.6	614.1	592.2	581.4	576.3	568.8
60°	617.6	577.1	556.8	539.3	528.5	524.4	517.0
62.5°	553.3	521.5	501.8	487.4	477.7	476.4	470.6
65°	465.0	440.7	423.2	416.4	406.3	403.6	403.6
67.5°	383.4	366.0	352.3	346.1	341.7	342.3	339.1
70°	332.1	317.9	309.1	302.4	299.0	299.7	297.0
72.5°	290.5	274.7	267.0	263.0	258.5	260.3	259.2
75°	220.0	211.9	207.9	203.8	201.1	199.8	198.4
77.5°	161.6	154.4	151.3	149.0	149.4	146.2	148.8
80°	124.9	118.8	116.8	113.4	112.7	112.7	112.0
82.5°	91.4	88.0	86.5	83.7	82.5	83.6	81.8
85°	47.2	44.5	43.9	43.9	42.5	41.2	44.5
87.5°	21.1	19.2	19.4	19.0	19.1	18.7	17.8
90°	19.3	20.4	21.3	22.0	22.6	23.3	24.0
92.5°	42.7	44.2	45.2	45.7	46.1	46.6	47.1
95°	81.5	83.1	84.1	84.5	85.0	85.4	85.9
97.5°	126.8	128.3	129.1	129.4	129.7	129.9	130.2
100°	158.7	160.7	162.0	162.4	162.8	163.3	163.7
102.5°	191.2	193.4	194.8	195.4	196.0	196.7	197.3
105°	242.6	243.9	244.9	245.6	246.3	246.9	247.6
107.5°	298.3	299.0	299.3	299.2	299.2	299.2	299.1
110°	337.4	338.1	338.3	338.1	337.9	337.7	337.4



TEST NUMBER: P333278

CATALOG NUMBER: S125DIP-S1090D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	376.3	376.6	376.6	376.2	375.8	375.4	375.0
115°	435.6	435.4	435.2	434.9	434.7	434.5	434.3
117.5°	495.9	496.1	495.7	494.8	494.0	493.1	492.2
120°	536.1	536.1	535.7	534.8	533.9	533.0	532.1
122.5°	575.5	575.3	574.9	574.2	573.5	572.8	572.1
125°	633.6	633.2	632.8	632.6	632.4	632.2	632.0
127.5°	691.8	691.6	691.2	690.8	690.3	689.9	689.5
130°	730.1	729.9	729.6	729.1	728.7	728.2	727.8
132.5°	766.9	766.6	766.2	765.6	765.0	764.4	763.7
135°	823.6	823.6	823.2	822.3	821.4	820.5	819.6
137.5°	878.9	879.2	878.8	877.7	876.6	875.5	874.4
140°	913.8	914.3	913.9	912.8	911.7	910.6	909.5
142.5°	947.6	947.9	947.5	946.4	945.3	944.2	943.0
145°	996.4	996.4	996.0	995.4	994.7	994.0	993.4
147.5°	1042.3	1042.8	1042.3	1040.8	1039.3	1037.8	1036.3
150°	1070.2	1070.2	1070.0	1069.6	1069.1	1068.7	1068.2
152.5°	1097.4	1097.9	1097.8	1097.0	1096.2	1095.4	1094.6
155°	1135.8	1136.7	1136.6	1135.5	1134.3	1133.2	1132.1
157.5°	1168.7	1169.6	1169.3	1167.9	1166.4	1164.9	1163.5
160°	1188.7	1189.6	1189.5	1188.4	1187.3	1186.2	1185.0
162.5°	1207.6	1208.7	1208.6	1207.3	1206.0	1204.7	1203.4
165°	1232.6	1233.5	1233.3	1232.0	1230.6	1229.3	1228.0
167.5°	1251.7	1253.1	1253.0	1251.7	1250.3	1248.9	1247.5
170°	1262.9	1264.2	1264.1	1262.6	1261.0	1259.5	1257.9
172.5°	1270.9	1272.2	1272.2	1270.8	1269.5	1268.1	1266.7
175°	1279.9	1281.2	1281.1	1279.6	1278.0	1276.4	1274.9
177.5°	1283.7	1284.7	1284.7	1283.4	1282.2	1280.9	1279.7
180°	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9

(END OF REPORT)