

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: P333286

Luminaire Tested: **S125DIP-S1090D1205U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333286
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S1090D1205U835-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9304.9 lumens
Efficiency: N/A
Efficacy: 142.3 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

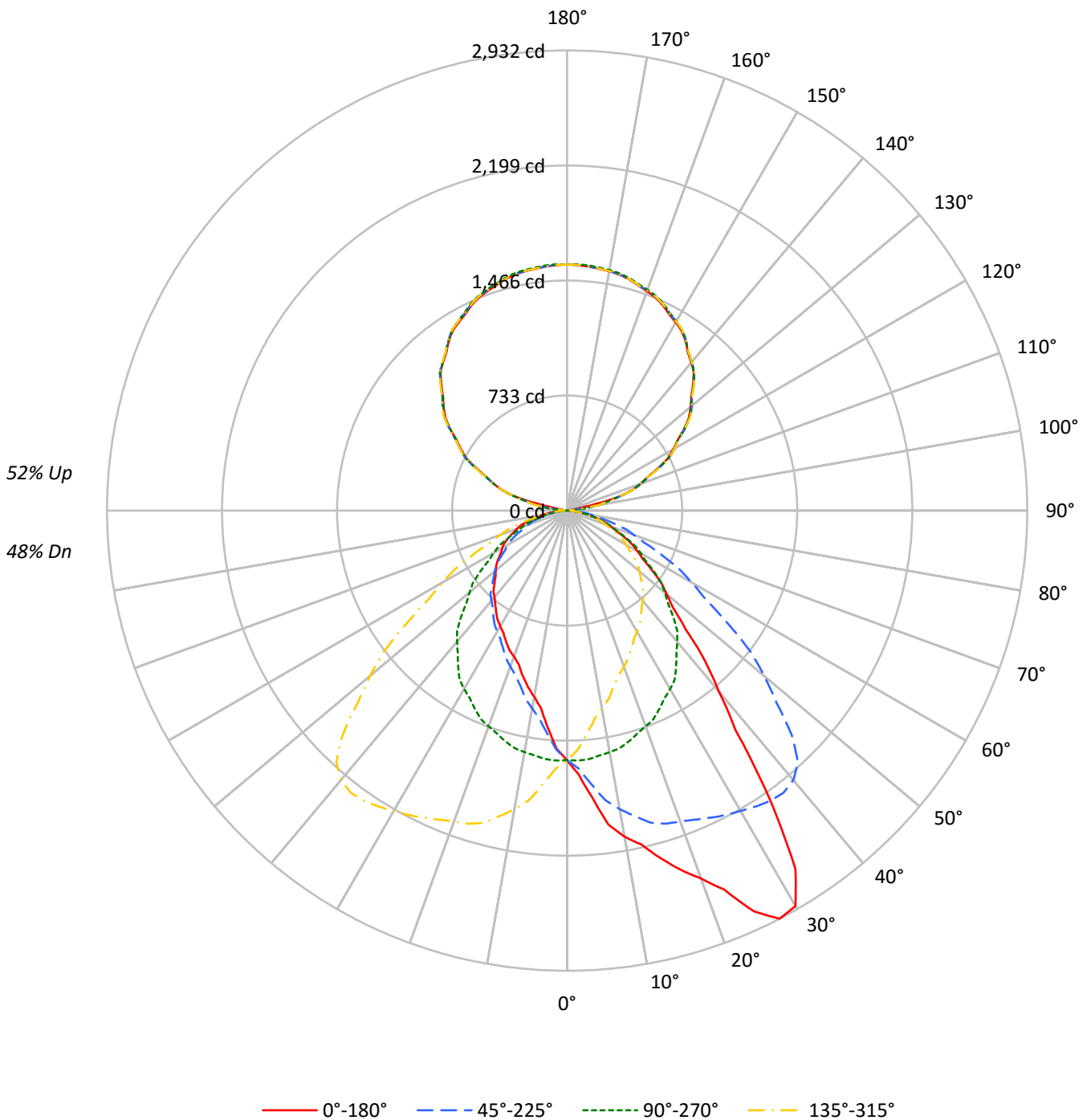
Input Watts (W): 65.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333286

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	50	30	10	50	30	10	0														
RCR																																						
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	55	55	55	48																				
1	98	93	90	86	90	86	83	80	73	70	68	60	58	57	49	47	46	41																				
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	39	35																				
3	81	72	65	59	75	67	60	55	56	52	48	47	44	41	38	36	34	30																				
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29	26																				
5	68	57	49	43	63	53	46	40	45	39	35	38	34	30	31	28	26	22																				
6	63	51	43	37	58	47	40	35	40	35	31	34	30	27	28	25	22	20																				
7	58	46	38	33	53	43	36	31	37	31	27	31	27	24	26	22	20	17																				
8	54	42	34	29	50	39	32	27	33	28	24	28	24	21	23	20	18	16																				
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	18	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°	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: P333286

CATALOG NUMBER: S125DIP-S1090D1205U835-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.1	1.6
10°-20°	455.8	4.9
20°-30°	740.1	8.0
30°-40°	902.8	9.7
40°-50°	821.3	8.8
50°-60°	654.2	7.0
60°-70°	455.6	4.9
70°-80°	243.0	2.6
80°-90°	64.6	0.7
90°-100°	57.0	0.6
100°-110°	351.1	3.8
110°-120°	636.8	6.8
120°-130°	817.3	8.8
130°-140°	879.1	9.4
140°-150°	825.1	8.9
150°-160°	667.5	7.2
160°-170°	431.7	4.6
170°-180°	148.9	1.6
0°-30°	1349.0	14.5
0°-40°	2251.8	24.2
0°-60°	3727.3	40.1
0°-90°	4490.5	48.3
90°-120°	1044.9	11.2
90°-150°	3566.4	38.3
90°-180°	4814.0	51.7
0°-180°	9304.9	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°	28	1	28	1	28	14
95°	24	66	24	66	24	20
105°	345	342	345	342	345	312
115°	637	642	637	642	637	632
125°	912	912	912	912	912	812
135°	1133	1138	1133	1138	1133	874
145°	1316	1319	1316	1319	1316	822
155°	1442	1453	1442	1453	1442	665
165°	1525	1533	1525	1533	1525	430
175°	1561	1568	1561	1568	1561	149
180°	1568	1568	1568	1568	1568	



TEST NUMBER: P333286

CATALOG NUMBER: S125DIP-S1090D1205U835-4F0-1E-UDD-A

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°	18.5	19.5	19.8	19.7	20.1	19.9	21.8	21.5	22.9	24.2	26.0
90°	27.9	27.1	26.3	25.6	24.8	23.8	22.5	21.2	19.9	18.6	16.8
92.5°	26.0	25.7	25.3	24.9	24.6	23.8	22.5	21.2	19.9	18.6	17.0
95°	24.4	24.4	24.4	24.4	24.4	23.8	22.5	21.2	19.9	18.6	28.4
97.5°	24.4	24.4	24.4	24.4	24.4	28.0	35.3	42.6	49.9	57.2	76.6
100°	24.4	25.4	26.5	27.5	28.5	48.3	86.8	125.3	163.7	202.2	201.2
102.5°	146.2	163.8	181.3	198.9	216.5	228.9	236.2	243.4	250.7	258.0	257.4
105°	345.2	345.4	345.7	345.9	346.2	346.3	346.3	346.3	346.3	346.3	346.3
107.5°	435.1	435.9	436.7	437.4	438.2	438.6	438.5	438.5	438.4	438.4	437.9
110°	497.4	497.2	496.9	496.6	496.4	496.6	497.4	498.2	499.0	499.7	499.2



TEST NUMBER: P333286

CATALOG NUMBER: S125DIP-S1090D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	553.2	553.6	553.9	554.3	554.6	555.3	556.3	557.3	558.3	559.2	558.9
115°	636.9	638.4	640.0	641.5	643.1	644.4	645.4	646.4	647.5	648.5	648.2
117.5°	726.1	726.8	727.5	728.1	728.8	729.8	731.2	732.5	733.9	735.2	734.2
120°	781.0	782.3	783.6	784.9	786.2	787.1	787.6	788.1	788.6	789.1	788.3
122.5°	833.1	834.6	836.0	837.5	839.0	840.1	840.6	841.1	841.6	842.1	841.8
125°	912.3	913.1	913.9	914.6	915.4	916.3	917.3	918.4	919.4	920.4	920.4
127.5°	979.0	980.9	982.8	984.8	986.7	987.9	988.5	989.0	989.6	990.2	990.3
130°	1027.4	1028.7	1030.0	1031.2	1032.5	1033.6	1034.3	1035.1	1035.9	1036.7	1036.4
132.5°	1072.0	1073.3	1074.6	1075.9	1077.2	1077.9	1078.0	1078.2	1078.4	1078.5	1079.1
135°	1133.1	1134.7	1136.2	1137.8	1139.3	1140.4	1140.9	1141.4	1141.9	1142.4	1142.9
137.5°	1194.5	1195.8	1197.2	1198.5	1199.9	1200.5	1200.4	1200.3	1200.2	1200.1	1200.5
140°	1230.8	1232.3	1233.9	1235.4	1236.9	1237.5	1236.9	1236.4	1235.9	1235.4	1235.7
142.5°	1265.2	1266.7	1268.3	1269.8	1271.4	1272.1	1272.0	1271.9	1271.8	1271.7	1271.3
145°	1315.6	1317.1	1318.7	1320.2	1321.8	1322.4	1322.2	1321.9	1321.7	1321.4	1321.4
147.5°	1357.2	1359.1	1360.9	1362.8	1364.6	1365.4	1365.1	1364.8	1364.5	1364.2	1363.9
150°	1384.2	1386.2	1388.3	1390.4	1392.4	1393.2	1392.7	1392.2	1391.6	1391.1	1390.6
152.5°	1409.3	1411.1	1413.0	1414.8	1416.7	1417.4	1416.9	1416.3	1415.8	1415.3	1414.8
155°	1442.3	1444.3	1446.4	1448.5	1450.5	1451.2	1450.4	1449.6	1448.9	1448.1	1447.6
157.5°	1469.9	1472.0	1474.1	1476.1	1478.2	1478.8	1478.0	1477.2	1476.3	1475.5	1475.5
160°	1487.6	1489.7	1491.7	1493.8	1495.9	1496.4	1495.3	1494.3	1493.3	1492.2	1492.0
162.5°	1503.4	1505.7	1507.9	1510.2	1512.5	1512.9	1511.5	1510.0	1508.6	1507.1	1506.9
165°	1524.8	1526.8	1528.9	1531.0	1533.0	1533.3	1531.8	1530.2	1528.7	1527.1	1526.8
167.5°	1539.7	1542.0	1544.3	1546.6	1549.0	1549.2	1547.3	1545.5	1543.6	1541.8	1541.5
170°	1548.0	1550.4	1552.7	1555.0	1557.3	1557.5	1555.4	1553.3	1551.3	1549.2	1548.9
172.5°	1553.6	1555.9	1558.3	1560.6	1562.9	1563.1	1561.3	1559.4	1557.6	1555.7	1555.2
175°	1560.8	1563.1	1565.5	1567.8	1570.1	1570.2	1568.2	1566.1	1564.0	1562.0	1561.7
177.5°	1565.0	1566.6	1568.3	1570.0	1571.6	1571.7	1570.3	1568.8	1567.4	1565.9	1565.7
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



TEST NUMBER: P333286

CATALOG NUMBER: S125DIP-S1090D1205U835-4F0-1E-UDD-A

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°	26.8	25.3	22.8	20.8	17.7	15.6	14.7	14.8	13.6	13.5	14.4
90°	15.0	13.2	11.4	9.4	7.4	5.3	3.2	1.2	3.2	5.3	7.4
92.5°	15.4	13.8	12.2	12.1	13.6	15.0	16.5	17.9	16.5	15.0	13.6
95°	38.2	48.0	57.9	63.1	63.9	64.7	65.5	66.2	65.5	64.7	63.9
97.5°	96.0	115.4	134.9	143.9	142.5	141.1	139.7	138.3	139.7	141.1	142.5
100°	200.2	199.1	198.1	197.2	196.4	195.6	194.9	194.1	194.9	195.6	196.4
102.5°	256.8	256.1	255.5	254.7	253.7	252.8	251.8	250.8	251.8	252.8	253.7
105°	346.3	346.3	346.3	345.8	344.8	343.7	342.7	341.7	342.7	343.7	344.8
107.5°	437.3	436.8	436.3	436.1	436.1	436.1	436.1	436.1	436.1	436.1	436.1
110°	498.7	498.2	497.7	497.4	497.4	497.4	497.4	497.4	497.4	497.4	497.4



TEST NUMBER: P333286

CATALOG NUMBER: S125DIP-S1090D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	558.6	558.3	558.0	557.5	556.9	556.3	555.7	555.1	555.7	556.3	556.9
115°	648.0	647.7	647.5	646.7	645.4	644.1	642.8	641.5	642.8	644.1	645.4
117.5°	733.2	732.3	731.3	730.8	730.9	730.9	731.0	731.0	731.0	730.9	730.9
120°	787.6	786.8	786.0	785.8	786.0	786.3	786.5	786.8	786.5	786.3	786.0
122.5°	841.4	841.0	840.7	840.0	839.0	838.0	837.1	836.1	837.1	838.0	839.0
125°	920.4	920.4	920.4	919.5	917.7	915.9	914.1	912.3	914.1	915.9	917.7
127.5°	990.5	990.6	990.8	990.2	988.9	987.6	986.4	985.1	986.4	987.6	988.9
130°	1036.2	1035.9	1035.6	1034.9	1033.6	1032.3	1031.0	1029.7	1031.0	1032.3	1033.6
132.5°	1079.6	1080.2	1080.8	1080.3	1078.8	1077.3	1075.8	1074.3	1075.8	1077.3	1078.8
135°	1143.5	1144.0	1144.5	1144.0	1142.4	1140.9	1139.3	1137.8	1139.3	1140.9	1142.4
137.5°	1201.0	1201.5	1201.9	1201.5	1200.1	1198.8	1197.5	1196.1	1197.5	1198.8	1200.1
140°	1235.9	1236.2	1236.4	1236.3	1235.8	1235.3	1234.8	1234.2	1234.8	1235.3	1235.8
142.5°	1270.9	1270.6	1270.2	1269.9	1269.6	1269.3	1268.9	1268.6	1268.9	1269.3	1269.6
145°	1321.4	1321.4	1321.4	1321.1	1320.6	1320.1	1319.6	1319.1	1319.6	1320.1	1320.6
147.5°	1363.5	1363.2	1362.9	1362.8	1362.9	1363.0	1363.1	1363.2	1363.1	1363.0	1362.9
150°	1390.1	1389.6	1389.1	1389.1	1389.6	1390.1	1390.6	1391.1	1390.6	1390.1	1389.6
152.5°	1414.3	1413.8	1413.2	1413.5	1414.7	1415.8	1417.0	1418.1	1417.0	1415.8	1414.7
155°	1447.0	1446.5	1446.0	1446.5	1448.1	1449.6	1451.2	1452.7	1451.2	1449.6	1448.1
157.5°	1475.4	1475.4	1475.3	1475.7	1476.7	1477.6	1478.5	1479.5	1478.5	1477.6	1476.7
160°	1491.7	1491.5	1491.2	1491.9	1493.4	1495.0	1496.5	1498.1	1496.5	1495.0	1493.4
162.5°	1506.6	1506.3	1506.1	1506.7	1508.3	1509.8	1511.4	1512.9	1511.4	1509.8	1508.3
165°	1526.6	1526.3	1526.1	1526.7	1528.3	1529.8	1531.4	1532.9	1531.4	1529.8	1528.3
167.5°	1541.2	1541.0	1540.7	1541.4	1543.0	1544.6	1546.2	1547.8	1546.2	1544.6	1543.0
170°	1548.7	1548.4	1548.2	1548.9	1550.7	1552.5	1554.4	1556.2	1554.4	1552.5	1550.7
172.5°	1554.8	1554.3	1553.8	1554.5	1556.3	1558.1	1559.9	1561.7	1559.9	1558.1	1556.3
175°	1561.5	1561.2	1560.9	1561.6	1563.1	1564.7	1566.2	1567.8	1566.2	1564.7	1563.1
177.5°	1565.5	1565.3	1565.1	1565.6	1566.9	1568.1	1569.3	1570.6	1569.3	1568.1	1566.9
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



TEST NUMBER: P333286

CATALOG NUMBER: S125DIP-S1090D1205U835-4F0-1E-UDD-A

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°	15.4	16.9	16.7	17.6	17.9	19.4	19.1	21.5	22.9	24.2	23.9
90°	9.4	11.4	13.2	15.0	16.8	18.6	19.9	21.2	22.5	23.8	24.8
92.5°	12.1	12.2	13.8	15.4	17.0	18.6	19.9	21.2	22.5	23.8	24.6
95°	63.1	57.9	48.0	38.2	28.4	18.6	19.9	21.2	22.5	23.8	24.4
97.5°	143.9	134.9	115.4	96.0	76.6	57.2	49.9	42.6	35.3	28.0	24.4
100°	197.2	198.1	199.1	200.2	201.2	202.2	163.7	125.3	86.8	48.3	28.5
102.5°	254.7	255.5	256.1	256.8	257.4	258.0	250.7	243.4	236.2	228.9	216.5
105°	345.8	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.2
107.5°	436.1	436.3	436.8	437.3	437.9	438.4	438.4	438.5	438.5	438.6	438.2
110°	497.4	497.7	498.2	498.7	499.2	499.7	499.0	498.2	497.4	496.6	496.4



TEST NUMBER: P333286

CATALOG NUMBER: S125DIP-S1090D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	557.5	558.0	558.3	558.6	558.9	559.2	558.3	557.3	556.3	555.3	554.6
115°	646.7	647.5	647.7	648.0	648.2	648.5	647.5	646.4	645.4	644.4	643.1
117.5°	730.8	731.3	732.3	733.2	734.2	735.2	733.9	732.5	731.2	729.8	728.8
120°	785.8	786.0	786.8	787.6	788.3	789.1	788.6	788.1	787.6	787.1	786.2
122.5°	840.0	840.7	841.0	841.4	841.8	842.1	841.6	841.1	840.6	840.1	839.0
125°	919.5	920.4	920.4	920.4	920.4	920.4	919.4	918.4	917.3	916.3	915.4
127.5°	990.2	990.8	990.6	990.5	990.3	990.2	989.6	989.0	988.5	987.9	986.7
130°	1034.9	1035.6	1035.9	1036.2	1036.4	1036.7	1035.9	1035.1	1034.3	1033.6	1032.5
132.5°	1080.3	1080.8	1080.2	1079.6	1079.1	1078.5	1078.4	1078.2	1078.0	1077.9	1077.2
135°	1144.0	1144.5	1144.0	1143.5	1142.9	1142.4	1141.9	1141.4	1140.9	1140.4	1139.3
137.5°	1201.5	1201.9	1201.5	1201.0	1200.5	1200.1	1200.2	1200.3	1200.4	1200.5	1199.9
140°	1236.3	1236.4	1236.2	1235.9	1235.7	1235.4	1235.9	1236.4	1236.9	1237.5	1236.9
142.5°	1269.9	1270.2	1270.6	1270.9	1271.3	1271.7	1271.8	1271.9	1272.0	1272.1	1271.4
145°	1321.1	1321.4	1321.4	1321.4	1321.4	1321.4	1321.7	1321.9	1322.2	1322.4	1321.8
147.5°	1362.8	1362.9	1363.2	1363.5	1363.9	1364.2	1364.5	1364.8	1365.1	1365.4	1364.6
150°	1389.1	1389.1	1389.6	1390.1	1390.6	1391.1	1391.6	1392.2	1392.7	1393.2	1392.4
152.5°	1413.5	1413.2	1413.8	1414.3	1414.8	1415.3	1415.8	1416.3	1416.9	1417.4	1416.7
155°	1446.5	1446.0	1446.5	1447.0	1447.6	1448.1	1448.9	1449.6	1450.4	1451.2	1450.5
157.5°	1475.7	1475.3	1475.4	1475.4	1475.5	1475.5	1476.3	1477.2	1478.0	1478.8	1478.2
160°	1491.9	1491.2	1491.5	1491.7	1492.0	1492.2	1493.3	1494.3	1495.3	1496.4	1495.9
162.5°	1506.7	1506.1	1506.3	1506.6	1506.9	1507.1	1508.6	1510.0	1511.5	1512.9	1512.5
165°	1526.7	1526.1	1526.3	1526.6	1526.8	1527.1	1528.7	1530.2	1531.8	1533.3	1533.0
167.5°	1541.4	1540.7	1541.0	1541.2	1541.5	1541.8	1543.6	1545.5	1547.3	1549.2	1549.0
170°	1548.9	1548.2	1548.4	1548.7	1548.9	1549.2	1551.3	1553.3	1555.4	1557.5	1557.3
172.5°	1554.5	1553.8	1554.3	1554.8	1555.2	1555.7	1557.6	1559.4	1561.3	1563.1	1562.9
175°	1561.6	1560.9	1561.2	1561.5	1561.7	1562.0	1564.0	1566.1	1568.2	1570.2	1570.1
177.5°	1565.6	1565.1	1565.3	1565.5	1565.7	1565.9	1567.4	1568.8	1570.3	1571.7	1571.6
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



TEST NUMBER: P333286

CATALOG NUMBER: S125DIP-S1090D1205U835-4F0-1E-UDD-A

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°	25.1	24.7	24.9	26.1	24.9	24.7	25.1	23.9	24.2	22.9	21.5
90°	25.6	26.3	27.1	27.9	27.1	26.3	25.6	24.8	23.8	22.5	21.2
92.5°	24.9	25.3	25.7	26.0	25.7	25.3	24.9	24.6	23.8	22.5	21.2
95°	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	23.8	22.5	21.2
97.5°	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	28.0	35.3	42.6
100°	27.5	26.5	25.4	24.4	25.4	26.5	27.5	28.5	48.3	86.8	125.3
102.5°	198.9	181.3	163.8	146.2	163.8	181.3	198.9	216.5	228.9	236.2	243.4
105°	345.9	345.7	345.4	345.2	345.4	345.7	345.9	346.2	346.3	346.3	346.3
107.5°	437.4	436.7	435.9	435.1	435.9	436.7	437.4	438.2	438.6	438.5	438.5
110°	496.6	496.9	497.2	497.4	497.2	496.9	496.6	496.4	496.6	497.4	498.2



TEST NUMBER: P333286

CATALOG NUMBER: S125DIP-S1090D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	554.3	553.9	553.6	553.2	553.6	553.9	554.3	554.6	555.3	556.3	557.3
115°	641.5	640.0	638.4	636.9	638.4	640.0	641.5	643.1	644.4	645.4	646.4
117.5°	728.1	727.5	726.8	726.1	726.8	727.5	728.1	728.8	729.8	731.2	732.5
120°	784.9	783.6	782.3	781.0	782.3	783.6	784.9	786.2	787.1	787.6	788.1
122.5°	837.5	836.0	834.6	833.1	834.6	836.0	837.5	839.0	840.1	840.6	841.1
125°	914.6	913.9	913.1	912.3	913.1	913.9	914.6	915.4	916.3	917.3	918.4
127.5°	984.8	982.8	980.9	979.0	980.9	982.8	984.8	986.7	987.9	988.5	989.0
130°	1031.2	1030.0	1028.7	1027.4	1028.7	1030.0	1031.2	1032.5	1033.6	1034.3	1035.1
132.5°	1075.9	1074.6	1073.3	1072.0	1073.3	1074.6	1075.9	1077.2	1077.9	1078.0	1078.2
135°	1137.8	1136.2	1134.7	1133.1	1134.7	1136.2	1137.8	1139.3	1140.4	1140.9	1141.4
137.5°	1198.5	1197.2	1195.8	1194.5	1195.8	1197.2	1198.5	1199.9	1200.5	1200.4	1200.3
140°	1235.4	1233.9	1232.3	1230.8	1232.3	1233.9	1235.4	1236.9	1237.5	1236.9	1236.4
142.5°	1269.8	1268.3	1266.7	1265.2	1266.7	1268.3	1269.8	1271.4	1272.1	1272.0	1271.9
145°	1320.2	1318.7	1317.1	1315.6	1317.1	1318.7	1320.2	1321.8	1322.4	1322.2	1321.9
147.5°	1362.8	1360.9	1359.1	1357.2	1359.1	1360.9	1362.8	1364.6	1365.4	1365.1	1364.8
150°	1390.4	1388.3	1386.2	1384.2	1386.2	1388.3	1390.4	1392.4	1393.2	1392.7	1392.2
152.5°	1414.8	1413.0	1411.1	1409.3	1411.1	1413.0	1414.8	1416.7	1417.4	1416.9	1416.3
155°	1448.5	1446.4	1444.3	1442.3	1444.3	1446.4	1448.5	1450.5	1451.2	1450.4	1449.6
157.5°	1476.1	1474.1	1472.0	1469.9	1472.0	1474.1	1476.1	1478.2	1478.8	1478.0	1477.2
160°	1493.8	1491.7	1489.7	1487.6	1489.7	1491.7	1493.8	1495.9	1496.4	1495.3	1494.3
162.5°	1510.2	1507.9	1505.7	1503.4	1505.7	1507.9	1510.2	1512.5	1512.9	1511.5	1510.0
165°	1531.0	1528.9	1526.8	1524.8	1526.8	1528.9	1531.0	1533.0	1533.3	1531.8	1530.2
167.5°	1546.6	1544.3	1542.0	1539.7	1542.0	1544.3	1546.6	1549.0	1549.2	1547.3	1545.5
170°	1555.0	1552.7	1550.4	1548.0	1550.4	1552.7	1555.0	1557.3	1557.5	1555.4	1553.3
172.5°	1560.6	1558.3	1555.9	1553.6	1555.9	1558.3	1560.6	1562.9	1563.1	1561.3	1559.4
175°	1567.8	1565.5	1563.1	1560.8	1563.1	1565.5	1567.8	1570.1	1570.2	1568.2	1566.1
177.5°	1570.0	1568.3	1566.6	1565.0	1566.6	1568.3	1570.0	1571.6	1571.7	1570.3	1568.8
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



TEST NUMBER: P333286

CATALOG NUMBER: S125DIP-S1090D1205U835-4F0-1E-UDD-A

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°	19.1	19.4	17.9	17.6	16.7	16.9	15.4	14.4	13.5	13.6	14.8
90°	19.9	18.6	16.8	15.0	13.2	11.4	9.4	7.4	5.3	3.2	1.2
92.5°	19.9	18.6	17.0	15.4	13.8	12.2	12.1	13.6	15.0	16.5	17.9
95°	19.9	18.6	28.4	38.2	48.0	57.9	63.1	63.9	64.7	65.5	66.2
97.5°	49.9	57.2	76.6	96.0	115.4	134.9	143.9	142.5	141.1	139.7	138.3
100°	163.7	202.2	201.2	200.2	199.1	198.1	197.2	196.4	195.6	194.9	194.1
102.5°	250.7	258.0	257.4	256.8	256.1	255.5	254.7	253.7	252.8	251.8	250.8
105°	346.3	346.3	346.3	346.3	346.3	346.3	345.8	344.8	343.7	342.7	341.7
107.5°	438.4	438.4	437.9	437.3	436.8	436.3	436.1	436.1	436.1	436.1	436.1
110°	499.0	499.7	499.2	498.7	498.2	497.7	497.4	497.4	497.4	497.4	497.4



TEST NUMBER: P333286

CATALOG NUMBER: S125DIP-S1090D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	558.3	559.2	558.9	558.6	558.3	558.0	557.5	556.9	556.3	555.7	555.1
115°	647.5	648.5	648.2	648.0	647.7	647.5	646.7	645.4	644.1	642.8	641.5
117.5°	733.9	735.2	734.2	733.2	732.3	731.3	730.8	730.9	730.9	731.0	731.0
120°	788.6	789.1	788.3	787.6	786.8	786.0	785.8	786.0	786.3	786.5	786.8
122.5°	841.6	842.1	841.8	841.4	841.0	840.7	840.0	839.0	838.0	837.1	836.1
125°	919.4	920.4	920.4	920.4	920.4	920.4	919.5	917.7	915.9	914.1	912.3
127.5°	989.6	990.2	990.3	990.5	990.6	990.8	990.2	988.9	987.6	986.4	985.1
130°	1035.9	1036.7	1036.4	1036.2	1035.9	1035.6	1034.9	1033.6	1032.3	1031.0	1029.7
132.5°	1078.4	1078.5	1079.1	1079.6	1080.2	1080.8	1080.3	1078.8	1077.3	1075.8	1074.3
135°	1141.9	1142.4	1142.9	1143.5	1144.0	1144.5	1144.0	1142.4	1140.9	1139.3	1137.8
137.5°	1200.2	1200.1	1200.5	1201.0	1201.5	1201.9	1201.5	1200.1	1198.8	1197.5	1196.1
140°	1235.9	1235.4	1235.7	1235.9	1236.2	1236.4	1236.3	1235.8	1235.3	1234.8	1234.2
142.5°	1271.8	1271.7	1271.3	1270.9	1270.6	1270.2	1269.9	1269.6	1269.3	1268.9	1268.6
145°	1321.7	1321.4	1321.4	1321.4	1321.4	1321.4	1321.1	1320.6	1320.1	1319.6	1319.1
147.5°	1364.5	1364.2	1363.9	1363.5	1363.2	1362.9	1362.8	1362.9	1363.0	1363.1	1363.2
150°	1391.6	1391.1	1390.6	1390.1	1389.6	1389.1	1389.1	1389.6	1390.1	1390.6	1391.1
152.5°	1415.8	1415.3	1414.8	1414.3	1413.8	1413.2	1413.5	1414.7	1415.8	1417.0	1418.1
155°	1448.9	1448.1	1447.6	1447.0	1446.5	1446.0	1446.5	1448.1	1449.6	1451.2	1452.7
157.5°	1476.3	1475.5	1475.5	1475.4	1475.4	1475.3	1475.7	1476.7	1477.6	1478.5	1479.5
160°	1493.3	1492.2	1492.0	1491.7	1491.5	1491.2	1491.9	1493.4	1495.0	1496.5	1498.1
162.5°	1508.6	1507.1	1506.9	1506.6	1506.3	1506.1	1506.7	1508.3	1509.8	1511.4	1512.9
165°	1528.7	1527.1	1526.8	1526.6	1526.3	1526.1	1526.7	1528.3	1529.8	1531.4	1532.9
167.5°	1543.6	1541.8	1541.5	1541.2	1541.0	1540.7	1541.4	1543.0	1544.6	1546.2	1547.8
170°	1551.3	1549.2	1548.9	1548.7	1548.4	1548.2	1548.9	1550.7	1552.5	1554.4	1556.2
172.5°	1557.6	1555.7	1555.2	1554.8	1554.3	1553.8	1554.5	1556.3	1558.1	1559.9	1561.7
175°	1564.0	1562.0	1561.7	1561.5	1561.2	1560.9	1561.6	1563.1	1564.7	1566.2	1567.8
177.5°	1567.4	1565.9	1565.7	1565.5	1565.3	1565.1	1565.6	1566.9	1568.1	1569.3	1570.6
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



TEST NUMBER: P333286

CATALOG NUMBER: S125DIP-S1090D1205U835-4F0-1E-UDD-A

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°	14.7	15.6	17.7	20.8	22.8	25.3	26.8	26.0	24.2	22.9	21.5
90°	3.2	5.3	7.4	9.4	11.4	13.2	15.0	16.8	18.6	19.9	21.2
92.5°	16.5	15.0	13.6	12.1	12.2	13.8	15.4	17.0	18.6	19.9	21.2
95°	65.5	64.7	63.9	63.1	57.9	48.0	38.2	28.4	18.6	19.9	21.2
97.5°	139.7	141.1	142.5	143.9	134.9	115.4	96.0	76.6	57.2	49.9	42.6
100°	194.9	195.6	196.4	197.2	198.1	199.1	200.2	201.2	202.2	163.7	125.3
102.5°	251.8	252.8	253.7	254.7	255.5	256.1	256.8	257.4	258.0	250.7	243.4
105°	342.7	343.7	344.8	345.8	346.3	346.3	346.3	346.3	346.3	346.3	346.3
107.5°	436.1	436.1	436.1	436.1	436.3	436.8	437.3	437.9	438.4	438.4	438.5
110°	497.4	497.4	497.4	497.4	497.7	498.2	498.7	499.2	499.7	499.0	498.2



TEST NUMBER: P333286

CATALOG NUMBER: S125DIP-S1090D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	555.7	556.3	556.9	557.5	558.0	558.3	558.6	558.9	559.2	558.3	557.3
115°	642.8	644.1	645.4	646.7	647.5	647.7	648.0	648.2	648.5	647.5	646.4
117.5°	731.0	730.9	730.9	730.8	731.3	732.3	733.2	734.2	735.2	733.9	732.5
120°	786.5	786.3	786.0	785.8	786.0	786.8	787.6	788.3	789.1	788.6	788.1
122.5°	837.1	838.0	839.0	840.0	840.7	841.0	841.4	841.8	842.1	841.6	841.1
125°	914.1	915.9	917.7	919.5	920.4	920.4	920.4	920.4	920.4	919.4	918.4
127.5°	986.4	987.6	988.9	990.2	990.8	990.6	990.5	990.3	990.2	989.6	989.0
130°	1031.0	1032.3	1033.6	1034.9	1035.6	1035.9	1036.2	1036.4	1036.7	1035.9	1035.1
132.5°	1075.8	1077.3	1078.8	1080.3	1080.8	1080.2	1079.6	1079.1	1078.5	1078.4	1078.2
135°	1139.3	1140.9	1142.4	1144.0	1144.5	1144.0	1143.5	1142.9	1142.4	1141.9	1141.4
137.5°	1197.5	1198.8	1200.1	1201.5	1201.9	1201.5	1201.0	1200.5	1200.1	1200.2	1200.3
140°	1234.8	1235.3	1235.8	1236.3	1236.4	1236.2	1235.9	1235.7	1235.4	1235.9	1236.4
142.5°	1268.9	1269.3	1269.6	1269.9	1270.2	1270.6	1270.9	1271.3	1271.7	1271.8	1271.9
145°	1319.6	1320.1	1320.6	1321.1	1321.4	1321.4	1321.4	1321.4	1321.4	1321.7	1321.9
147.5°	1363.1	1363.0	1362.9	1362.8	1362.9	1363.2	1363.5	1363.9	1364.2	1364.5	1364.8
150°	1390.6	1390.1	1389.6	1389.1	1389.1	1389.6	1390.1	1390.6	1391.1	1391.6	1392.2
152.5°	1417.0	1415.8	1414.7	1413.5	1413.2	1413.8	1414.3	1414.8	1415.3	1415.8	1416.3
155°	1451.2	1449.6	1448.1	1446.5	1446.0	1446.5	1447.0	1447.6	1448.1	1448.9	1449.6
157.5°	1478.5	1477.6	1476.7	1475.7	1475.3	1475.4	1475.4	1475.5	1475.5	1476.3	1477.2
160°	1496.5	1495.0	1493.4	1491.9	1491.2	1491.5	1491.7	1492.0	1492.2	1493.3	1494.3
162.5°	1511.4	1509.8	1508.3	1506.7	1506.1	1506.3	1506.6	1506.9	1507.1	1508.6	1510.0
165°	1531.4	1529.8	1528.3	1526.7	1526.1	1526.3	1526.6	1526.8	1527.1	1528.7	1530.2
167.5°	1546.2	1544.6	1543.0	1541.4	1540.7	1541.0	1541.2	1541.5	1541.8	1543.6	1545.5
170°	1554.4	1552.5	1550.7	1548.9	1548.2	1548.4	1548.7	1548.9	1549.2	1551.3	1553.3
172.5°	1559.9	1558.1	1556.3	1554.5	1553.8	1554.3	1554.8	1555.2	1555.7	1557.6	1559.4
175°	1566.2	1564.7	1563.1	1561.6	1560.9	1561.2	1561.5	1561.7	1562.0	1564.0	1566.1
177.5°	1569.3	1568.1	1566.9	1565.6	1565.1	1565.3	1565.5	1565.7	1565.9	1567.4	1568.8
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8



TEST NUMBER: P333286

CATALOG NUMBER: S125DIP-S1090D1205U835-4F0-1E-UDD-A

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°	21.8	19.9	20.1	19.7	19.8	19.5	18.5
90°	22.5	23.8	24.8	25.6	26.3	27.1	27.9
92.5°	22.5	23.8	24.6	24.9	25.3	25.7	26.0
95°	22.5	23.8	24.4	24.4	24.4	24.4	24.4
97.5°	35.3	28.0	24.4	24.4	24.4	24.4	24.4
100°	86.8	48.3	28.5	27.5	26.5	25.4	24.4
102.5°	236.2	228.9	216.5	198.9	181.3	163.8	146.2
105°	346.3	346.3	346.2	345.9	345.7	345.4	345.2
107.5°	438.5	438.6	438.2	437.4	436.7	435.9	435.1
110°	497.4	496.6	496.4	496.6	496.9	497.2	497.4



TEST NUMBER: P333286

CATALOG NUMBER: S125DIP-S1090D1205U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	556.3	555.3	554.6	554.3	553.9	553.6	553.2
115°	645.4	644.4	643.1	641.5	640.0	638.4	636.9
117.5°	731.2	729.8	728.8	728.1	727.5	726.8	726.1
120°	787.6	787.1	786.2	784.9	783.6	782.3	781.0
122.5°	840.6	840.1	839.0	837.5	836.0	834.6	833.1
125°	917.3	916.3	915.4	914.6	913.9	913.1	912.3
127.5°	988.5	987.9	986.7	984.8	982.8	980.9	979.0
130°	1034.3	1033.6	1032.5	1031.2	1030.0	1028.7	1027.4
132.5°	1078.0	1077.9	1077.2	1075.9	1074.6	1073.3	1072.0
135°	1140.9	1140.4	1139.3	1137.8	1136.2	1134.7	1133.1
137.5°	1200.4	1200.5	1199.9	1198.5	1197.2	1195.8	1194.5
140°	1236.9	1237.5	1236.9	1235.4	1233.9	1232.3	1230.8
142.5°	1272.0	1272.1	1271.4	1269.8	1268.3	1266.7	1265.2
145°	1322.2	1322.4	1321.8	1320.2	1318.7	1317.1	1315.6
147.5°	1365.1	1365.4	1364.6	1362.8	1360.9	1359.1	1357.2
150°	1392.7	1393.2	1392.4	1390.4	1388.3	1386.2	1384.2
152.5°	1416.9	1417.4	1416.7	1414.8	1413.0	1411.1	1409.3
155°	1450.4	1451.2	1450.5	1448.5	1446.4	1444.3	1442.3
157.5°	1478.0	1478.8	1478.2	1476.1	1474.1	1472.0	1469.9
160°	1495.3	1496.4	1495.9	1493.8	1491.7	1489.7	1487.6
162.5°	1511.5	1512.9	1512.5	1510.2	1507.9	1505.7	1503.4
165°	1531.8	1533.3	1533.0	1531.0	1528.9	1526.8	1524.8
167.5°	1547.3	1549.2	1549.0	1546.6	1544.3	1542.0	1539.7
170°	1555.4	1557.5	1557.3	1555.0	1552.7	1550.4	1548.0
172.5°	1561.3	1563.1	1562.9	1560.6	1558.3	1555.9	1553.6
175°	1568.2	1570.2	1570.1	1567.8	1565.5	1563.1	1560.8
177.5°	1570.3	1571.7	1571.6	1570.0	1568.3	1566.6	1565.0
180°	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8	1567.8

(END OF REPORT)