

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: P333286-840

Luminaire Tested: **S125DIP-S1090D1205U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333286-840  
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-S1090D1205U840-4F0-1E-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: 9396.7 lumens  
Efficiency: N/A  
Efficacy: 143.7 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

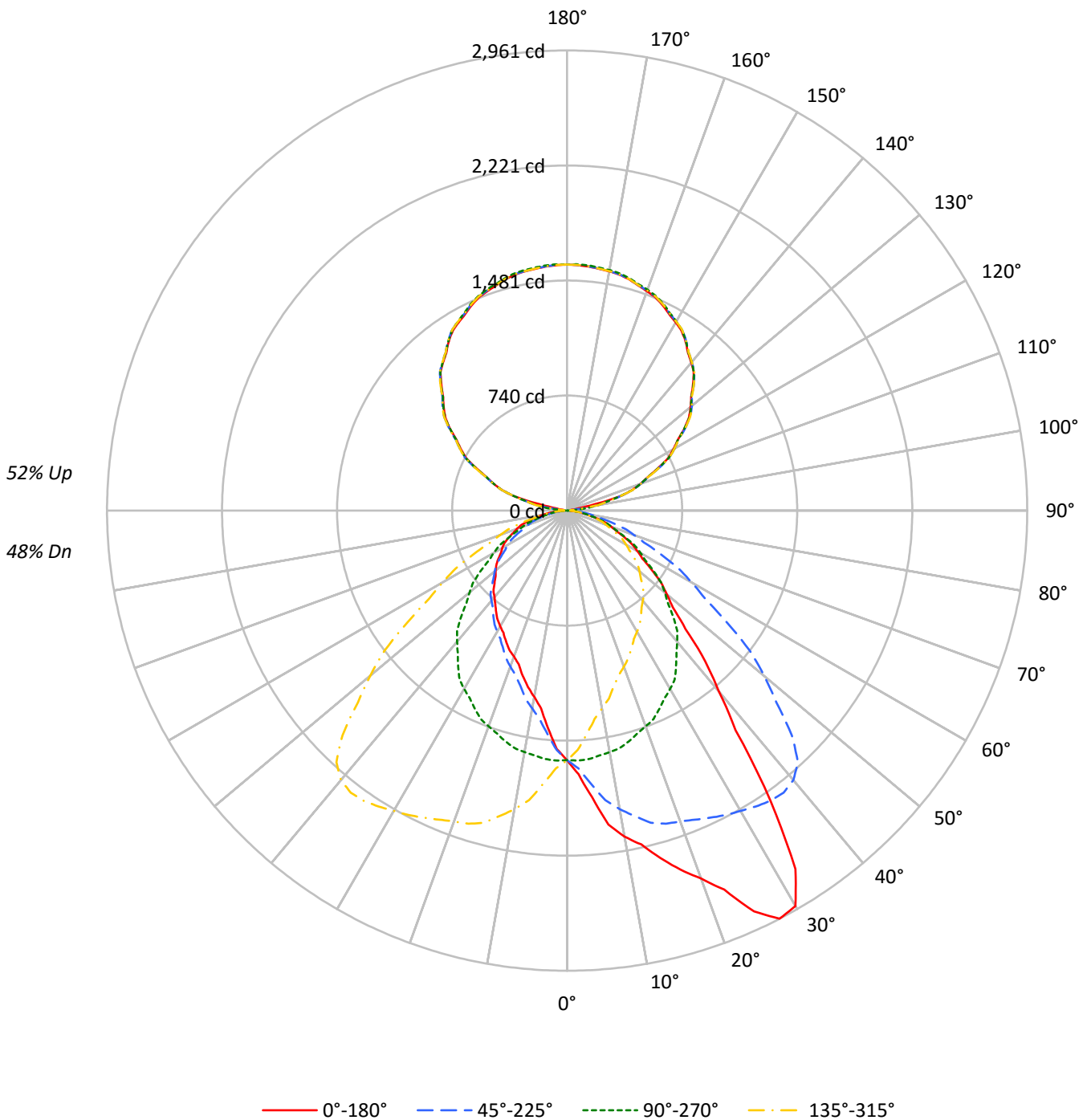
Input Watts (W): 65.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333286-840

CATALOG NUMBER: S125DIP-S1090D1205U840-4F0-1E-UDD-A

### Luminous Intensity Polar Plot





TEST NUMBER: P333286-840

CATALOG NUMBER: S125DIP-S1090D1205U840-4F0-1E-UDD-A

**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	50	30	10	0	
RCR																						
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	55	55	55	48				48
1	98	93	90	86	90	86	83	80	73	70	68	60	58	57	49	47	46	41				41
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	39	35				35
3	81	72	65	59	75	67	60	55	56	52	48	47	44	41	38	36	34	30				30
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29	26				26
5	68	57	49	43	63	53	46	40	45	39	35	38	34	30	31	28	26	22				22
6	63	51	43	37	58	47	40	35	40	35	31	34	30	27	28	25	22	20				20
7	58	46	38	33	53	43	36	31	37	31	27	31	27	24	26	22	20	17				17
8	54	42	34	29	50	39	32	27	33	28	24	28	24	21	23	20	18	16				16
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	18	16	14				14
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	15	13				13

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	10371	10371	10371	10371
5°	12010	10407	9111	10407
10°	13973	10352	7984	10352
15°	15468	10277	7365	10277
20°	17314	10156	6868	10156
25°	20283	10020	6625	10020
30°	21908	9887	6415	9887
35°	18013	9635	6277	9635
40°	12803	9286	6126	9286
45°	9836	8815	6039	8815
50°	8397	8232	6027	8232
55°	7475	7659	6079	7659
60°	6744	7034	6234	7034
65°	6229	6406	6395	6406
70°	5663	5754	6488	5754
75°	5001	5068	6428	5068
80°	4206	4132	5880	4132
85°	3327	2979	4742	2979



TEST NUMBER: P333286-840

CATALOG NUMBER: S125DIP-S1090D1205U840-4F0-1E-UDD-A

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.6	1.6
10°-20°	460.3	4.9
20°-30°	747.4	8.0
30°-40°	911.7	9.7
40°-50°	829.4	8.8
50°-60°	660.6	7.0
60°-70°	460.1	4.9
70°-80°	245.4	2.6
80°-90°	65.2	0.7
90°-100°	57.5	0.6
100°-110°	354.6	3.8
110°-120°	643.1	6.8
120°-130°	825.3	8.8
130°-140°	887.7	9.4
140°-150°	833.2	8.9
150°-160°	674.0	7.2
160°-170°	435.9	4.6
170°-180°	150.4	1.6
0°-30°	1362.3	14.5
0°-40°	2274.0	24.2
0°-60°	3764.0	40.1
0°-90°	4534.8	48.3
90°-120°	1055.2	11.2
90°-150°	3601.6	38.3
90°-180°	4862.0	51.7
0°-180°	9396.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1606	1606	1606	1606	1606	
5°	1853	1605	1405	1605	1853	187
15°	2313	1537	1102	1537	2313	662
25°	2846	1406	930	1406	2846	1300
35°	2285	1222	796	1222	2285	1398
45°	1077	965	661	965	1077	862
55°	664	680	540	680	664	598
65°	408	419	418	419	408	405
75°	200	203	258	203	200	216
85°	45	40	64	40	45	53
90°	28	1	28	1	28	14
95°	25	67	25	67	25	20
105°	349	345	349	345	349	315
115°	643	648	643	648	643	638
125°	921	921	921	921	921	820
135°	1144	1149	1144	1149	1144	883
145°	1329	1332	1329	1332	1329	830
155°	1456	1467	1456	1467	1456	671
165°	1540	1548	1540	1548	1540	435
175°	1576	1583	1576	1583	1576	150
180°	1583	1583	1583	1583	1583	



TEST NUMBER: P333286-840

CATALOG NUMBER: S125DIP-S1090D1205U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1698.6	1696.4	1694.3	1689.8	1693.1	1683.8	1679.5	1671.8	1662.5	1659.3	1655.5
5°	1852.6	1856.0	1859.5	1845.1	1846.4	1836.9	1815.1	1797.4	1783.1	1764.6	1751.7
7.5°	2038.0	2029.9	2029.3	2020.0	2004.1	1991.3	1968.3	1939.1	1911.0	1878.8	1852.2
10°	2130.7	2131.4	2125.3	2114.4	2097.3	2085.1	2055.1	2026.4	1991.7	1950.8	1921.5
12.5°	2200.5	2203.3	2195.6	2180.9	2172.5	2145.1	2121.6	2087.5	2046.2	2013.5	1968.9
15°	2313.4	2305.9	2300.5	2282.0	2267.8	2239.1	2201.6	2166.2	2121.1	2079.6	2038.0
17.5°	2422.2	2428.1	2417.9	2401.2	2356.7	2323.3	2273.0	2224.5	2168.5	2112.7	2063.1
20°	2519.2	2524.7	2509.0	2479.7	2426.5	2393.2	2327.0	2264.3	2199.6	2128.0	2073.5
22.5°	2640.3	2635.9	2614.7	2570.2	2524.2	2462.4	2390.9	2314.5	2233.3	2152.5	2080.0
25°	2846.4	2817.7	2804.8	2749.7	2689.0	2598.3	2500.1	2388.3	2287.4	2180.5	2087.8
27.5°	2960.6	2951.6	2937.2	2898.7	2835.0	2738.0	2622.3	2486.1	2343.8	2208.7	2087.4
30°	2937.7	2939.1	2940.4	2928.2	2887.3	2814.4	2699.2	2552.6	2383.6	2231.6	2091.1
32.5°	2734.9	2759.7	2783.4	2811.5	2823.0	2808.9	2736.8	2604.4	2430.4	2257.8	2089.0
35°	2284.7	2292.3	2369.2	2445.6	2549.2	2629.7	2683.5	2624.8	2478.3	2280.0	2086.4
37.5°	1781.5	1818.3	1871.6	1957.8	2107.4	2241.3	2413.5	2492.6	2445.4	2287.2	2081.6
40°	1518.6	1552.7	1587.5	1675.4	1801.5	1963.7	2159.3	2326.3	2365.2	2264.3	2065.3
42.5°	1315.8	1342.8	1381.4	1447.4	1552.9	1696.6	1883.4	2101.6	2235.9	2197.8	2030.9
45°	1076.9	1094.0	1124.0	1176.5	1252.8	1365.2	1530.2	1768.8	1976.7	2045.5	1949.4
47.5°	921.8	921.7	945.0	981.3	1036.3	1131.9	1253.8	1440.8	1662.8	1827.1	1819.5
50°	835.7	832.2	850.6	882.0	925.6	989.1	1105.6	1254.9	1468.1	1654.3	1706.1
52.5°	761.5	761.9	773.3	796.4	832.9	887.1	974.1	1108.7	1291.0	1482.0	1579.5
55°	663.9	661.2	674.1	689.8	716.4	751.8	814.6	917.5	1065.3	1253.4	1380.3
57.5°	574.4	582.0	587.1	598.0	620.2	643.9	696.7	772.2	889.6	1051.1	1185.1
60°	522.1	529.6	533.7	544.6	562.3	582.8	623.7	685.0	783.9	922.9	1055.8
62.5°	475.2	481.1	482.4	492.2	506.8	526.6	558.8	610.4	688.4	810.0	940.2
65°	407.6	407.6	410.3	420.5	427.4	445.0	469.6	507.2	569.9	664.6	775.7
67.5°	342.4	345.7	345.1	349.5	355.8	369.6	387.2	418.1	464.5	533.7	622.6
70°	299.9	302.7	301.9	305.4	312.1	321.0	335.4	364.7	398.1	457.4	533.7
72.5°	261.8	262.9	261.1	265.6	269.6	277.4	293.4	309.0	340.2	390.3	453.0
75°	200.4	201.8	203.1	205.8	210.0	214.0	222.2	237.9	258.3	295.8	336.1
77.5°	150.3	147.6	150.9	150.5	152.8	155.9	163.2	171.5	188.2	212.0	243.1
80°	113.1	113.8	113.8	114.5	118.0	120.0	126.1	132.2	145.2	162.9	184.7
82.5°	82.6	84.4	83.3	84.5	87.4	88.9	92.3	97.4	104.8	118.8	134.5
85°	44.9	41.6	42.9	44.3	44.3	44.9	47.7	49.8	53.8	59.3	65.4
87.5°	18.7	19.7	20.0	19.9	20.3	20.1	22.0	21.7	23.1	24.4	26.3
90°	28.2	27.4	26.6	25.9	25.0	24.0	22.7	21.4	20.1	18.8	17.0
92.5°	26.3	26.0	25.5	25.1	24.8	24.0	22.7	21.4	20.1	18.8	17.2
95°	24.6	24.6	24.6	24.6	24.6	24.0	22.7	21.4	20.1	18.8	28.7
97.5°	24.6	24.6	24.6	24.6	24.6	28.3	35.6	43.0	50.4	57.8	77.4
100°	24.6	25.7	26.8	27.8	28.8	48.8	87.7	126.5	165.3	204.2	203.2
102.5°	147.6	165.4	183.1	200.9	218.6	231.2	238.5	245.8	253.2	260.5	259.9
105°	348.6	348.8	349.1	349.3	349.6	349.7	349.7	349.7	349.7	349.7	349.7
107.5°	439.4	440.2	441.0	441.7	442.5	442.9	442.8	442.8	442.7	442.7	442.2
110°	502.3	502.1	501.8	501.5	501.3	501.5	502.3	503.1	503.9	504.6	504.1



TEST NUMBER: P333286-840

CATALOG NUMBER: S125DIP-S1090D1205U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	558.7	559.1	559.4	559.8	560.1	560.8	561.8	562.8	563.8	564.7	564.4
115°	643.2	644.7	646.3	647.8	649.4	650.8	651.8	652.8	653.9	654.9	654.6
117.5°	733.3	734.0	734.7	735.3	736.0	737.0	738.4	739.7	741.1	742.5	741.4
120°	788.7	790.0	791.3	792.6	794.0	794.9	795.4	795.9	796.4	796.9	796.1
122.5°	841.3	842.8	844.2	845.8	847.3	848.4	848.9	849.4	849.9	850.4	850.1
125°	921.3	922.1	922.9	923.6	924.4	925.3	926.3	927.5	928.5	929.5	929.5
127.5°	988.7	990.6	992.5	994.5	996.4	997.6	998.3	998.8	999.4	1000.0	1000.1
130°	1037.5	1038.8	1040.2	1041.4	1042.7	1043.8	1044.5	1045.3	1046.1	1046.9	1046.6
132.5°	1082.6	1083.9	1085.2	1086.5	1087.8	1088.5	1088.6	1088.8	1089.0	1089.1	1089.7
135°	1144.3	1145.9	1147.4	1149.0	1150.5	1151.7	1152.2	1152.7	1153.2	1153.7	1154.2
137.5°	1206.3	1207.6	1209.0	1210.3	1211.7	1212.3	1212.2	1212.1	1212.0	1211.9	1212.3
140°	1242.9	1244.5	1246.1	1247.6	1249.1	1249.7	1249.1	1248.6	1248.1	1247.6	1247.9
142.5°	1277.7	1279.2	1280.8	1282.3	1283.9	1284.6	1284.5	1284.4	1284.3	1284.2	1283.8
145°	1328.6	1330.1	1331.7	1333.2	1334.8	1335.4	1335.2	1334.9	1334.7	1334.4	1334.4
147.5°	1370.6	1372.5	1374.3	1376.2	1378.1	1378.9	1378.6	1378.3	1378.0	1377.7	1377.4
150°	1397.9	1399.9	1402.0	1404.1	1406.1	1406.9	1406.4	1405.9	1405.3	1404.8	1404.3
152.5°	1423.2	1425.0	1426.9	1428.8	1430.7	1431.4	1430.9	1430.3	1429.8	1429.3	1428.8
155°	1456.5	1458.5	1460.7	1462.8	1464.8	1465.5	1464.7	1463.9	1463.2	1462.4	1461.9
157.5°	1484.4	1486.5	1488.6	1490.7	1492.8	1493.4	1492.6	1491.8	1490.9	1490.1	1490.1
160°	1502.3	1504.4	1506.4	1508.5	1510.7	1511.2	1510.1	1509.0	1508.0	1506.9	1506.7
162.5°	1518.2	1520.6	1522.8	1525.1	1527.4	1527.8	1526.4	1524.9	1523.5	1522.0	1521.8
165°	1539.8	1541.9	1544.0	1546.1	1548.1	1548.4	1546.9	1545.3	1543.8	1542.2	1541.9
167.5°	1554.9	1557.2	1559.5	1561.9	1564.3	1564.5	1562.6	1560.7	1558.8	1557.0	1556.7
170°	1563.3	1565.7	1568.0	1570.3	1572.7	1572.9	1570.7	1568.6	1566.6	1564.5	1564.2
172.5°	1568.9	1571.2	1573.7	1576.0	1578.3	1578.5	1576.7	1574.8	1573.0	1571.0	1570.5
175°	1576.2	1578.5	1580.9	1583.3	1585.6	1585.7	1583.7	1581.5	1579.4	1577.4	1577.1
177.5°	1580.4	1582.1	1583.8	1585.5	1587.1	1587.2	1585.8	1584.3	1582.9	1581.3	1581.1
180°	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3



TEST NUMBER: P333286-840

CATALOG NUMBER: S125DIP-S1090D1205U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1652.2	1648.4	1644.1	1636.4	1627.1	1622.2	1614.6	1609.7	1599.8	1591.6	1583.0
5°	1736.1	1718.4	1702.0	1680.8	1657.7	1642.6	1625.0	1605.2	1584.8	1563.6	1540.4
7.5°	1822.9	1791.5	1757.5	1720.8	1685.0	1651.9	1620.4	1589.5	1560.6	1525.7	1496.1
10°	1881.3	1841.7	1799.5	1749.7	1701.3	1659.0	1616.1	1578.6	1540.4	1499.5	1463.4
12.5°	1939.5	1886.9	1827.2	1772.6	1714.3	1663.3	1612.9	1565.0	1517.0	1471.8	1429.6
15°	1980.7	1934.4	1879.2	1801.5	1736.1	1665.9	1599.0	1537.0	1479.0	1428.7	1375.5
17.5°	2007.9	1948.1	1888.9	1814.3	1728.6	1650.0	1574.4	1503.4	1438.0	1374.1	1322.8
20°	2012.8	1951.5	1889.5	1816.4	1728.6	1638.6	1563.0	1477.7	1407.5	1341.4	1278.7
22.5°	2011.1	1941.7	1874.1	1799.1	1713.3	1630.4	1538.9	1452.1	1375.9	1310.9	1245.5
25°	1995.8	1921.5	1836.9	1761.3	1676.8	1588.8	1496.1	1406.1	1328.5	1254.2	1189.4
27.5°	1983.0	1886.5	1790.9	1702.6	1621.0	1540.4	1451.7	1359.6	1273.3	1198.1	1137.1
30°	1967.1	1861.5	1753.7	1661.7	1577.9	1499.5	1415.7	1325.8	1235.8	1162.2	1096.7
32.5°	1953.0	1829.9	1716.2	1616.0	1527.2	1451.0	1373.7	1288.1	1199.7	1125.1	1059.7
35°	1925.5	1783.1	1652.9	1539.7	1445.0	1366.7	1301.9	1222.1	1141.0	1068.7	1006.0
37.5°	1890.8	1721.7	1582.1	1463.4	1359.6	1277.0	1216.7	1155.5	1077.6	1007.9	951.3
40°	1863.5	1678.1	1530.2	1408.9	1301.2	1215.3	1159.4	1101.5	1036.7	972.0	912.0
42.5°	1829.2	1638.9	1477.8	1347.3	1240.6	1157.0	1098.3	1049.1	992.0	931.6	876.0
45°	1766.1	1567.7	1393.2	1252.8	1145.1	1062.6	1002.0	965.1	922.2	864.9	817.9
47.5°	1673.2	1482.2	1301.7	1156.8	1045.7	969.3	912.4	877.1	846.9	804.3	761.6
50°	1590.8	1418.5	1235.8	1092.0	980.9	903.8	851.3	819.3	793.3	760.6	724.6
52.5°	1498.7	1338.3	1170.8	1028.6	918.7	842.7	791.3	763.2	741.5	718.1	682.6
55°	1352.3	1216.0	1060.6	925.6	824.0	749.7	704.8	680.2	662.6	644.8	623.0
57.5°	1191.0	1084.4	946.7	823.3	729.8	662.3	620.3	596.4	582.6	573.5	560.7
60°	1077.6	986.3	867.7	755.2	663.9	603.9	563.0	544.6	533.0	525.5	515.9
62.5°	972.4	897.4	787.5	684.9	605.0	548.3	511.8	493.9	482.8	479.2	471.3
65°	817.3	759.3	668.6	583.5	515.3	466.9	436.3	419.2	412.3	408.3	409.0
67.5°	664.4	629.1	556.3	483.6	429.3	388.7	364.2	351.0	347.6	342.1	342.0
70°	571.2	544.6	483.2	419.9	371.4	340.1	318.3	304.7	301.2	298.5	297.9
72.5°	488.9	465.5	412.3	361.5	318.0	290.5	272.5	264.3	258.7	257.1	257.0
75°	367.4	354.5	312.1	272.0	242.0	222.9	210.7	203.1	199.0	198.3	199.0
77.5°	261.2	249.8	223.0	194.5	175.6	161.2	150.8	148.1	143.5	143.7	143.0
80°	196.3	188.8	171.8	149.3	133.6	121.3	115.8	111.1	109.8	107.7	109.8
82.5°	142.3	134.3	122.7	108.4	95.4	88.1	82.6	81.1	80.3	79.4	79.8
85°	70.2	70.9	64.0	53.1	47.7	43.6	40.2	40.2	39.5	38.9	39.5
87.5°	27.1	25.5	23.0	21.0	17.9	15.8	14.8	14.9	13.7	13.6	14.5
90°	15.1	13.3	11.5	9.5	7.5	5.4	3.2	1.2	3.2	5.4	7.5
92.5°	15.6	13.9	12.3	12.2	13.7	15.1	16.7	18.1	16.7	15.1	13.7
95°	38.6	48.5	58.5	63.7	64.5	65.3	66.1	66.9	66.1	65.3	64.5
97.5°	96.9	116.5	136.2	145.3	143.9	142.5	141.1	139.7	141.1	142.5	143.9
100°	202.2	201.1	200.1	199.1	198.3	197.5	196.8	196.0	196.8	197.5	198.3
102.5°	259.3	258.6	258.0	257.2	256.2	255.3	254.3	253.3	254.3	255.3	256.2
105°	349.7	349.7	349.7	349.2	348.2	347.1	346.1	345.1	346.1	347.1	348.2
107.5°	441.6	441.1	440.6	440.4	440.4	440.4	440.4	440.4	440.4	440.4	440.4
110°	503.6	503.1	502.6	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3





TEST NUMBER: P333286-840

CATALOG NUMBER: S125DIP-S1090D1205U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	564.1	563.8	563.5	563.0	562.4	561.8	561.2	560.6	561.2	561.8	562.4
115°	654.4	654.1	653.9	653.1	651.8	650.5	649.1	647.8	649.1	650.5	651.8
117.5°	740.4	739.5	738.5	738.0	738.1	738.1	738.2	738.2	738.2	738.1	738.1
120°	795.4	794.6	793.8	793.6	793.8	794.1	794.3	794.6	794.3	794.1	793.8
122.5°	849.7	849.3	849.0	848.3	847.3	846.3	845.4	844.3	845.4	846.3	847.3
125°	929.5	929.5	929.5	928.6	926.8	924.9	923.1	921.3	923.1	924.9	926.8
127.5°	1000.3	1000.4	1000.6	1000.0	998.7	997.3	996.1	994.8	996.1	997.3	998.7
130°	1046.4	1046.1	1045.8	1045.1	1043.8	1042.5	1041.2	1039.9	1041.2	1042.5	1043.8
132.5°	1090.3	1090.9	1091.5	1091.0	1089.4	1087.9	1086.4	1084.9	1086.4	1087.9	1089.4
135°	1154.8	1155.3	1155.8	1155.3	1153.7	1152.2	1150.5	1149.0	1150.5	1152.2	1153.7
137.5°	1212.8	1213.4	1213.8	1213.4	1211.9	1210.6	1209.3	1207.9	1209.3	1210.6	1211.9
140°	1248.1	1248.4	1248.6	1248.5	1248.0	1247.5	1247.0	1246.4	1247.0	1247.5	1248.0
142.5°	1283.4	1283.1	1282.7	1282.4	1282.1	1281.8	1281.4	1281.1	1281.4	1281.8	1282.1
145°	1334.4	1334.4	1334.4	1334.1	1333.6	1333.1	1332.6	1332.1	1332.6	1333.1	1333.6
147.5°	1377.0	1376.6	1376.3	1376.2	1376.3	1376.4	1376.5	1376.6	1376.5	1376.4	1376.3
150°	1403.8	1403.3	1402.8	1402.8	1403.3	1403.8	1404.3	1404.8	1404.3	1403.8	1403.3
152.5°	1428.3	1427.7	1427.1	1427.4	1428.7	1429.8	1431.0	1432.1	1431.0	1429.8	1428.7
155°	1461.3	1460.8	1460.3	1460.8	1462.4	1463.9	1465.5	1467.0	1465.5	1463.9	1462.4
157.5°	1490.0	1490.0	1489.9	1490.3	1491.3	1492.2	1493.1	1494.1	1493.1	1492.2	1491.3
160°	1506.4	1506.2	1505.9	1506.6	1508.1	1509.7	1511.3	1512.9	1511.3	1509.7	1508.1
162.5°	1521.5	1521.2	1521.0	1521.6	1523.2	1524.7	1526.3	1527.8	1526.3	1524.7	1523.2
165°	1541.7	1541.4	1541.2	1541.8	1543.4	1544.9	1546.5	1548.0	1546.5	1544.9	1543.4
167.5°	1556.4	1556.2	1555.9	1556.6	1558.2	1559.8	1561.5	1563.1	1561.5	1559.8	1558.2
170°	1564.0	1563.7	1563.5	1564.2	1566.0	1567.8	1569.7	1571.6	1569.7	1567.8	1566.0
172.5°	1570.1	1569.6	1569.1	1569.8	1571.7	1573.5	1575.3	1577.1	1575.3	1573.5	1571.7
175°	1576.9	1576.6	1576.3	1577.0	1578.5	1580.1	1581.7	1583.3	1581.7	1580.1	1578.5
177.5°	1580.9	1580.7	1580.5	1581.0	1582.4	1583.6	1584.8	1586.1	1584.8	1583.6	1582.4
180°	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3



TEST NUMBER: P333286-840

CATALOG NUMBER: S125DIP-S1090D1205U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1578.0	1572.1	1567.1	1556.2	1550.2	1542.1	1535.5	1542.6	1535.0	1538.2	1533.4
5°	1528.8	1509.7	1496.1	1476.3	1459.4	1443.6	1432.1	1430.0	1424.5	1421.8	1413.6
7.5°	1469.7	1445.8	1422.4	1396.4	1374.6	1352.4	1338.3	1326.6	1318.8	1308.6	1301.6
10°	1434.8	1402.7	1375.5	1344.1	1316.9	1293.0	1273.9	1264.4	1255.6	1242.5	1237.8
12.5°	1391.7	1358.6	1325.3	1291.8	1265.6	1239.0	1222.6	1208.2	1202.0	1187.5	1186.0
15°	1340.1	1290.3	1257.6	1223.5	1187.4	1165.6	1152.0	1136.2	1129.4	1119.2	1111.7
17.5°	1278.4	1234.0	1193.1	1157.8	1126.8	1108.4	1091.6	1080.8	1069.0	1062.4	1050.1
20°	1233.8	1191.4	1150.5	1113.1	1089.2	1068.0	1054.4	1044.2	1032.0	1028.5	1016.3
22.5°	1196.1	1149.4	1110.2	1078.7	1052.7	1028.9	1014.1	1007.1	998.7	988.2	985.7
25°	1134.9	1086.5	1053.1	1021.8	998.6	976.7	966.5	957.7	949.5	942.0	939.3
27.5°	1082.0	1038.7	999.1	970.8	950.6	930.7	921.7	910.9	904.9	898.9	891.5
30°	1044.9	1000.6	965.8	938.6	916.8	899.1	889.5	882.0	876.6	871.1	867.0
32.5°	1006.7	965.7	932.0	905.3	883.5	870.1	861.7	856.4	850.4	843.8	838.7
35°	956.3	911.3	878.6	855.5	838.4	828.2	818.6	813.9	807.0	807.0	801.5
37.5°	899.5	860.6	831.7	810.6	795.3	786.2	775.8	772.5	768.2	765.3	763.4
40°	865.7	829.5	802.2	781.1	764.8	757.3	749.1	743.7	740.9	737.5	736.1
42.5°	830.7	796.3	770.1	750.6	736.4	730.0	722.4	718.5	713.1	708.6	707.8
45°	777.7	744.3	720.4	704.8	692.5	685.0	680.2	672.1	669.3	663.9	663.2
47.5°	727.4	695.4	672.0	659.1	648.3	642.2	634.7	626.5	623.4	620.7	620.4
50°	689.8	660.5	638.6	626.4	616.2	607.3	599.9	594.4	592.3	592.3	593.7
52.5°	651.7	626.6	608.1	593.1	583.5	574.0	567.1	563.8	560.7	564.0	566.4
55°	595.7	570.5	556.8	542.6	533.0	522.1	518.7	517.4	515.3	520.8	523.5
57.5°	536.5	518.9	502.9	488.7	480.1	473.8	469.2	468.4	472.2	474.8	483.6
60°	499.0	478.5	464.1	453.2	443.0	439.0	437.6	436.3	439.0	446.5	458.1
62.5°	457.5	440.9	425.5	417.3	409.8	402.9	402.7	403.5	409.0	417.6	429.1
65°	396.7	382.3	372.1	362.6	356.5	352.3	353.8	356.5	362.6	374.2	387.2
67.5°	335.0	325.2	316.0	308.2	302.4	302.4	303.8	307.8	315.1	328.4	340.2
70°	295.2	284.3	276.7	273.4	268.5	265.8	269.9	276.7	282.9	295.2	305.4
72.5°	255.3	246.1	240.2	237.9	235.8	233.7	235.0	242.4	250.6	263.0	274.8
75°	196.3	192.9	188.8	186.1	184.0	185.4	186.7	193.6	200.4	213.4	227.0
77.5°	143.3	139.8	137.2	136.6	135.5	136.2	140.0	145.0	151.7	161.2	171.5
80°	108.4	107.0	105.6	104.9	104.9	105.6	111.1	114.5	120.7	129.5	137.6
82.5°	79.0	78.1	77.9	77.7	78.3	78.4	81.7	86.1	91.2	97.9	104.9
85°	41.6	40.2	42.2	42.9	41.6	43.6	44.9	47.7	49.8	53.1	56.6
87.5°	15.6	17.1	16.9	17.8	18.1	19.6	19.3	21.7	23.1	24.4	24.1
90°	9.5	11.5	13.3	15.1	17.0	18.8	20.1	21.4	22.7	24.0	25.0
92.5°	12.2	12.3	13.9	15.6	17.2	18.8	20.1	21.4	22.7	24.0	24.8
95°	63.7	58.5	48.5	38.6	28.7	18.8	20.1	21.4	22.7	24.0	24.6
97.5°	145.3	136.2	116.5	96.9	77.4	57.8	50.4	43.0	35.6	28.3	24.6
100°	199.1	200.1	201.1	202.2	203.2	204.2	165.3	126.5	87.7	48.8	28.8
102.5°	257.2	258.0	258.6	259.3	259.9	260.5	253.2	245.8	238.5	231.2	218.6
105°	349.2	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.6
107.5°	440.4	440.6	441.1	441.6	442.2	442.7	442.7	442.8	442.8	442.9	442.5
110°	502.3	502.6	503.1	503.6	504.1	504.6	503.9	503.1	502.3	501.5	501.3



TEST NUMBER: P333286-840

CATALOG NUMBER: S125DIP-S1090D1205U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	563.0	563.5	563.8	564.1	564.4	564.7	563.8	562.8	561.8	560.8	560.1
115°	653.1	653.9	654.1	654.4	654.6	654.9	653.9	652.8	651.8	650.8	649.4
117.5°	738.0	738.5	739.5	740.4	741.4	742.5	741.1	739.7	738.4	737.0	736.0
120°	793.6	793.8	794.6	795.4	796.1	796.9	796.4	795.9	795.4	794.9	794.0
122.5°	848.3	849.0	849.3	849.7	850.1	850.4	849.9	849.4	848.9	848.4	847.3
125°	928.6	929.5	929.5	929.5	929.5	929.5	928.5	927.5	926.3	925.3	924.4
127.5°	1000.0	1000.6	1000.4	1000.3	1000.1	1000.0	999.4	998.8	998.3	997.6	996.4
130°	1045.1	1045.8	1046.1	1046.4	1046.6	1046.9	1046.1	1045.3	1044.5	1043.8	1042.7
132.5°	1091.0	1091.5	1090.9	1090.3	1089.7	1089.1	1089.0	1088.8	1088.6	1088.5	1087.8
135°	1155.3	1155.8	1155.3	1154.8	1154.2	1153.7	1153.2	1152.7	1152.2	1151.7	1150.5
137.5°	1213.4	1213.8	1213.4	1212.8	1212.3	1211.9	1212.0	1212.1	1212.2	1212.3	1211.7
140°	1248.5	1248.6	1248.4	1248.1	1247.9	1247.6	1248.1	1248.6	1249.1	1249.7	1249.1
142.5°	1282.4	1282.7	1283.1	1283.4	1283.8	1284.2	1284.3	1284.4	1284.5	1284.6	1283.9
145°	1334.1	1334.4	1334.4	1334.4	1334.4	1334.4	1334.7	1334.9	1335.2	1335.4	1334.8
147.5°	1376.2	1376.3	1376.6	1377.0	1377.4	1377.7	1378.0	1378.3	1378.6	1378.9	1378.1
150°	1402.8	1402.8	1403.3	1403.8	1404.3	1404.8	1405.3	1405.9	1406.4	1406.9	1406.1
152.5°	1427.4	1427.1	1427.7	1428.3	1428.8	1429.3	1429.8	1430.3	1430.9	1431.4	1430.7
155°	1460.8	1460.3	1460.8	1461.3	1461.9	1462.4	1463.2	1463.9	1464.7	1465.5	1464.8
157.5°	1490.3	1489.9	1490.0	1490.0	1490.1	1490.1	1490.9	1491.8	1492.6	1493.4	1492.8
160°	1506.6	1505.9	1506.2	1506.4	1506.7	1506.9	1508.0	1509.0	1510.1	1511.2	1510.7
162.5°	1521.6	1521.0	1521.2	1521.5	1521.8	1522.0	1523.5	1524.9	1526.4	1527.8	1527.4
165°	1541.8	1541.2	1541.4	1541.7	1541.9	1542.2	1543.8	1545.3	1546.9	1548.4	1548.1
167.5°	1556.6	1555.9	1556.2	1556.4	1556.7	1557.0	1558.8	1560.7	1562.6	1564.5	1564.3
170°	1564.2	1563.5	1563.7	1564.0	1564.2	1564.5	1566.6	1568.6	1570.7	1572.9	1572.7
172.5°	1569.8	1569.1	1569.6	1570.1	1570.5	1571.0	1573.0	1574.8	1576.7	1578.5	1578.3
175°	1577.0	1576.3	1576.6	1576.9	1577.1	1577.4	1579.4	1581.5	1583.7	1585.7	1585.6
177.5°	1581.0	1580.5	1580.7	1580.9	1581.1	1581.3	1582.9	1584.3	1585.8	1587.2	1587.1
180°	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3



TEST NUMBER: P333286-840

CATALOG NUMBER: S125DIP-S1090D1205U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1530.0	1533.9	1530.7	1535.0	1530.7	1533.9	1530.0	1533.4	1538.2	1535.0	1542.6
5°	1410.3	1404.1	1408.2	1405.4	1408.2	1404.1	1410.3	1413.6	1421.8	1424.5	1430.0
7.5°	1299.6	1293.7	1287.0	1283.8	1287.0	1293.7	1299.6	1301.6	1308.6	1318.8	1326.6
10°	1230.3	1222.8	1222.1	1217.4	1222.1	1222.8	1230.3	1237.8	1242.5	1255.6	1264.4
12.5°	1179.6	1172.7	1164.9	1162.9	1164.9	1172.7	1179.6	1186.0	1187.5	1202.0	1208.2
15°	1107.6	1102.2	1097.4	1101.5	1097.4	1102.2	1107.6	1111.7	1119.2	1129.4	1136.2
17.5°	1047.7	1043.3	1042.5	1037.4	1042.5	1043.3	1047.7	1050.1	1062.4	1069.0	1080.8
20°	1010.2	1006.7	1008.1	999.3	1008.1	1006.7	1010.2	1016.3	1028.5	1032.0	1044.2
22.5°	980.2	973.5	972.7	970.9	972.7	973.5	980.2	985.7	988.2	998.7	1007.1
25°	933.1	929.7	926.3	929.7	926.3	929.7	933.1	939.3	942.0	949.5	957.7
27.5°	892.1	888.0	887.1	887.5	887.1	888.0	892.1	891.5	898.9	904.9	910.9
30°	867.0	860.2	860.9	860.2	860.9	860.2	867.0	867.0	871.1	876.6	882.0
32.5°	839.7	835.1	834.1	832.9	834.1	835.1	839.7	838.7	843.8	850.4	856.4
35°	799.5	799.5	796.1	796.1	796.1	799.5	799.5	801.5	807.0	807.0	813.9
37.5°	761.7	761.0	759.0	759.3	759.0	761.0	761.7	763.4	765.3	768.2	772.5
40°	733.4	732.8	730.6	726.6	730.6	732.8	733.4	736.1	737.5	740.9	743.7
42.5°	706.1	703.9	702.9	701.6	702.9	703.9	706.1	707.8	708.6	713.1	718.5
45°	663.2	663.2	661.9	661.2	661.9	663.2	663.2	663.2	663.9	669.3	672.1
47.5°	621.5	622.7	625.3	624.9	625.3	622.7	621.5	620.4	620.7	623.4	626.5
50°	596.4	597.1	599.2	599.9	599.2	597.1	596.4	593.7	592.3	592.3	594.4
52.5°	568.6	572.6	575.1	574.7	575.1	572.6	568.6	566.4	564.0	560.7	563.8
55°	529.6	534.4	539.2	539.9	539.2	534.4	529.6	523.5	520.8	515.3	517.4
57.5°	491.0	497.7	502.7	504.4	502.7	497.7	491.0	483.6	474.8	472.2	468.4
60°	464.8	473.7	479.9	482.6	479.9	473.7	464.8	458.1	446.5	439.0	436.3
62.5°	439.8	449.7	455.9	456.4	455.9	449.7	439.8	429.1	417.6	409.0	403.5
65°	398.7	409.0	414.4	418.5	414.4	409.0	398.7	387.2	374.2	362.6	356.5
67.5°	354.6	364.8	370.8	374.1	370.8	364.8	354.6	340.2	328.4	315.1	307.8
70°	322.4	332.6	340.8	343.6	340.8	332.6	322.4	305.4	295.2	282.9	276.7
72.5°	290.7	299.9	306.5	309.7	306.5	299.9	290.7	274.8	263.0	250.6	242.4
75°	235.8	248.1	254.3	257.6	254.3	248.1	235.8	227.0	213.4	200.4	193.6
77.5°	181.9	193.0	196.7	198.4	196.7	193.0	181.9	171.5	161.2	151.7	145.0
80°	145.8	152.7	157.4	158.1	157.4	152.7	145.8	137.6	129.5	120.7	114.5
82.5°	112.1	117.8	119.3	121.1	119.3	117.8	112.1	104.9	97.9	91.2	86.1
85°	61.3	64.0	64.7	64.0	64.7	64.0	61.3	56.6	53.1	49.8	47.7
87.5°	25.3	24.9	25.1	26.4	25.1	24.9	25.3	24.1	24.4	23.1	21.7
90°	25.9	26.6	27.4	28.2	27.4	26.6	25.9	25.0	24.0	22.7	21.4
92.5°	25.1	25.5	26.0	26.3	26.0	25.5	25.1	24.8	24.0	22.7	21.4
95°	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.0	22.7	21.4
97.5°	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	28.3	35.6	43.0
100°	27.8	26.8	25.7	24.6	25.7	26.8	27.8	28.8	48.8	87.7	126.5
102.5°	200.9	183.1	165.4	147.6	165.4	183.1	200.9	218.6	231.2	238.5	245.8
105°	349.3	349.1	348.8	348.6	348.8	349.1	349.3	349.6	349.7	349.7	349.7
107.5°	441.7	441.0	440.2	439.4	440.2	441.0	441.7	442.5	442.9	442.8	442.8
110°	501.5	501.8	502.1	502.3	502.1	501.8	501.5	501.3	501.5	502.3	503.1



TEST NUMBER: P333286-840

CATALOG NUMBER: S125DIP-S1090D1205U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	559.8	559.4	559.1	558.7	559.1	559.4	559.8	560.1	560.8	561.8	562.8
115°	647.8	646.3	644.7	643.2	644.7	646.3	647.8	649.4	650.8	651.8	652.8
117.5°	735.3	734.7	734.0	733.3	734.0	734.7	735.3	736.0	737.0	738.4	739.7
120°	792.6	791.3	790.0	788.7	790.0	791.3	792.6	794.0	794.9	795.4	795.9
122.5°	845.8	844.2	842.8	841.3	842.8	844.2	845.8	847.3	848.4	848.9	849.4
125°	923.6	922.9	922.1	921.3	922.1	922.9	923.6	924.4	925.3	926.3	927.5
127.5°	994.5	992.5	990.6	988.7	990.6	992.5	994.5	996.4	997.6	998.3	998.8
130°	1041.4	1040.2	1038.8	1037.5	1038.8	1040.2	1041.4	1042.7	1043.8	1044.5	1045.3
132.5°	1086.5	1085.2	1083.9	1082.6	1083.9	1085.2	1086.5	1087.8	1088.5	1088.6	1088.8
135°	1149.0	1147.4	1145.9	1144.3	1145.9	1147.4	1149.0	1150.5	1151.7	1152.2	1152.7
137.5°	1210.3	1209.0	1207.6	1206.3	1207.6	1209.0	1210.3	1211.7	1212.3	1212.2	1212.1
140°	1247.6	1246.1	1244.5	1242.9	1244.5	1246.1	1247.6	1249.1	1249.7	1249.1	1248.6
142.5°	1282.3	1280.8	1279.2	1277.7	1279.2	1280.8	1282.3	1283.9	1284.6	1284.5	1284.4
145°	1333.2	1331.7	1330.1	1328.6	1330.1	1331.7	1333.2	1334.8	1335.4	1335.2	1334.9
147.5°	1376.2	1374.3	1372.5	1370.6	1372.5	1374.3	1376.2	1378.1	1378.9	1378.6	1378.3
150°	1404.1	1402.0	1399.9	1397.9	1399.9	1402.0	1404.1	1406.1	1406.9	1406.4	1405.9
152.5°	1428.8	1426.9	1425.0	1423.2	1425.0	1426.9	1428.8	1430.7	1431.4	1430.9	1430.3
155°	1462.8	1460.7	1458.5	1456.5	1458.5	1460.7	1462.8	1464.8	1465.5	1464.7	1463.9
157.5°	1490.7	1488.6	1486.5	1484.4	1486.5	1488.6	1490.7	1492.8	1493.4	1492.6	1491.8
160°	1508.5	1506.4	1504.4	1502.3	1504.4	1506.4	1508.5	1510.7	1511.2	1510.1	1509.0
162.5°	1525.1	1522.8	1520.6	1518.2	1520.6	1522.8	1525.1	1527.4	1527.8	1526.4	1524.9
165°	1546.1	1544.0	1541.9	1539.8	1541.9	1544.0	1546.1	1548.1	1548.4	1546.9	1545.3
167.5°	1561.9	1559.5	1557.2	1554.9	1557.2	1559.5	1561.9	1564.3	1564.5	1562.6	1560.7
170°	1570.3	1568.0	1565.7	1563.3	1565.7	1568.0	1570.3	1572.7	1572.9	1570.7	1568.6
172.5°	1576.0	1573.7	1571.2	1568.9	1571.2	1573.7	1576.0	1578.3	1578.5	1576.7	1574.8
175°	1583.3	1580.9	1578.5	1576.2	1578.5	1580.9	1583.3	1585.6	1585.7	1583.7	1581.5
177.5°	1585.5	1583.8	1582.1	1580.4	1582.1	1583.8	1585.5	1587.1	1587.2	1585.8	1584.3
180°	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3



TEST NUMBER: P333286-840

CATALOG NUMBER: S125DIP-S1090D1205U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1535.5	1542.1	1550.2	1556.2	1567.1	1572.1	1578.0	1583.0	1591.6	1599.8	1609.7
5°	1432.1	1443.6	1459.4	1476.3	1496.1	1509.7	1528.8	1540.4	1563.6	1584.8	1605.2
7.5°	1338.3	1352.4	1374.6	1396.4	1422.4	1445.8	1469.7	1496.1	1525.7	1560.6	1589.5
10°	1273.9	1293.0	1316.9	1344.1	1375.5	1402.7	1434.8	1463.4	1499.5	1540.4	1578.6
12.5°	1222.6	1239.0	1265.6	1291.8	1325.3	1358.6	1391.7	1429.6	1471.8	1517.0	1565.0
15°	1152.0	1165.6	1187.4	1223.5	1257.6	1290.3	1340.1	1375.5	1428.7	1479.0	1537.0
17.5°	1091.6	1108.4	1126.8	1157.8	1193.1	1234.0	1278.4	1322.8	1374.1	1438.0	1503.4
20°	1054.4	1068.0	1089.2	1113.1	1150.5	1191.4	1233.8	1278.7	1341.4	1407.5	1477.7
22.5°	1014.1	1028.9	1052.7	1078.7	1110.2	1149.4	1196.1	1245.5	1310.9	1375.9	1452.1
25°	966.5	976.7	998.6	1021.8	1053.1	1086.5	1134.9	1189.4	1254.2	1328.5	1406.1
27.5°	921.7	930.7	950.6	970.8	999.1	1038.7	1082.0	1137.1	1198.1	1273.3	1359.6
30°	889.5	899.1	916.8	938.6	965.8	1000.6	1044.9	1096.7	1162.2	1235.8	1325.8
32.5°	861.7	870.1	883.5	905.3	932.0	965.7	1006.7	1059.7	1125.1	1199.7	1288.1
35°	818.6	828.2	838.4	855.5	878.6	911.3	956.3	1006.0	1068.7	1141.0	1222.1
37.5°	775.8	786.2	795.3	810.6	831.7	860.6	899.5	951.3	1007.9	1077.6	1155.5
40°	749.1	757.3	764.8	781.1	802.2	829.5	865.7	912.0	972.0	1036.7	1101.5
42.5°	722.4	730.0	736.4	750.6	770.1	796.3	830.7	876.0	931.6	992.0	1049.1
45°	680.2	685.0	692.5	704.8	720.4	744.3	777.7	817.9	864.9	922.2	965.1
47.5°	634.7	642.2	648.3	659.1	672.0	695.4	727.4	761.6	804.3	846.9	877.1
50°	599.9	607.3	616.2	626.4	638.6	660.5	689.8	724.6	760.6	793.3	819.3
52.5°	567.1	574.0	583.5	593.1	608.1	626.6	651.7	682.6	718.1	741.5	763.2
55°	518.7	522.1	533.0	542.6	556.8	570.5	595.7	623.0	644.8	662.6	680.2
57.5°	469.2	473.8	480.1	488.7	502.9	518.9	536.5	560.7	573.5	582.6	596.4
60°	437.6	439.0	443.0	453.2	464.1	478.5	499.0	515.9	525.5	533.0	544.6
62.5°	402.7	402.9	409.8	417.3	425.5	440.9	457.5	471.3	479.2	482.8	493.9
65°	353.8	352.3	356.5	362.6	372.1	382.3	396.7	409.0	408.3	412.3	419.2
67.5°	303.8	302.4	302.4	308.2	316.0	325.2	335.0	342.0	342.1	347.6	351.0
70°	269.9	265.8	268.5	273.4	276.7	284.3	295.2	297.9	298.5	301.2	304.7
72.5°	235.0	233.7	235.8	237.9	240.2	246.1	255.3	257.0	257.1	258.7	264.3
75°	186.7	185.4	184.0	186.1	188.8	192.9	196.3	199.0	198.3	199.0	203.1
77.5°	140.0	136.2	135.5	136.6	137.2	139.8	143.3	143.0	143.7	143.5	148.1
80°	111.1	105.6	104.9	104.9	105.6	107.0	108.4	109.8	107.7	109.8	111.1
82.5°	81.7	78.4	78.3	77.7	77.9	78.1	79.0	79.8	79.4	80.3	81.1
85°	44.9	43.6	41.6	42.9	42.2	40.2	41.6	39.5	38.9	39.5	40.2
87.5°	19.3	19.6	18.1	17.8	16.9	17.1	15.6	14.5	13.6	13.7	14.9
90°	20.1	18.8	17.0	15.1	13.3	11.5	9.5	7.5	5.4	3.2	1.2
92.5°	20.1	18.8	17.2	15.6	13.9	12.3	12.2	13.7	15.1	16.7	18.1
95°	20.1	18.8	28.7	38.6	48.5	58.5	63.7	64.5	65.3	66.1	66.9
97.5°	50.4	57.8	77.4	96.9	116.5	136.2	145.3	143.9	142.5	141.1	139.7
100°	165.3	204.2	203.2	202.2	201.1	200.1	199.1	198.3	197.5	196.8	196.0
102.5°	253.2	260.5	259.9	259.3	258.6	258.0	257.2	256.2	255.3	254.3	253.3
105°	349.7	349.7	349.7	349.7	349.7	349.7	349.2	348.2	347.1	346.1	345.1
107.5°	442.7	442.7	442.2	441.6	441.1	440.6	440.4	440.4	440.4	440.4	440.4
110°	503.9	504.6	504.1	503.6	503.1	502.6	502.3	502.3	502.3	502.3	502.3



TEST NUMBER: P333286-840

CATALOG NUMBER: S125DIP-S1090D1205U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	563.8	564.7	564.4	564.1	563.8	563.5	563.0	562.4	561.8	561.2	560.6
115°	653.9	654.9	654.6	654.4	654.1	653.9	653.1	651.8	650.5	649.1	647.8
117.5°	741.1	742.5	741.4	740.4	739.5	738.5	738.0	738.1	738.1	738.2	738.2
120°	796.4	796.9	796.1	795.4	794.6	793.8	793.6	793.8	794.1	794.3	794.6
122.5°	849.9	850.4	850.1	849.7	849.3	849.0	848.3	847.3	846.3	845.4	844.3
125°	928.5	929.5	929.5	929.5	929.5	929.5	928.6	926.8	924.9	923.1	921.3
127.5°	999.4	1000.0	1000.1	1000.3	1000.4	1000.6	1000.0	998.7	997.3	996.1	994.8
130°	1046.1	1046.9	1046.6	1046.4	1046.1	1045.8	1045.1	1043.8	1042.5	1041.2	1039.9
132.5°	1089.0	1089.1	1089.7	1090.3	1090.9	1091.5	1091.0	1089.4	1087.9	1086.4	1084.9
135°	1153.2	1153.7	1154.2	1154.8	1155.3	1155.8	1155.3	1153.7	1152.2	1150.5	1149.0
137.5°	1212.0	1211.9	1212.3	1212.8	1213.4	1213.8	1213.4	1211.9	1210.6	1209.3	1207.9
140°	1248.1	1247.6	1247.9	1248.1	1248.4	1248.6	1248.5	1248.0	1247.5	1247.0	1246.4
142.5°	1284.3	1284.2	1283.8	1283.4	1283.1	1282.7	1282.4	1282.1	1281.8	1281.4	1281.1
145°	1334.7	1334.4	1334.4	1334.4	1334.4	1334.4	1334.1	1333.6	1333.1	1332.6	1332.1
147.5°	1378.0	1377.7	1377.4	1377.0	1376.6	1376.3	1376.2	1376.3	1376.4	1376.5	1376.6
150°	1405.3	1404.8	1404.3	1403.8	1403.3	1402.8	1402.8	1403.3	1403.8	1404.3	1404.8
152.5°	1429.8	1429.3	1428.8	1428.3	1427.7	1427.1	1427.4	1428.7	1429.8	1431.0	1432.1
155°	1463.2	1462.4	1461.9	1461.3	1460.8	1460.3	1460.8	1462.4	1463.9	1465.5	1467.0
157.5°	1490.9	1490.1	1490.1	1490.0	1490.0	1489.9	1490.3	1491.3	1492.2	1493.1	1494.1
160°	1508.0	1506.9	1506.7	1506.4	1506.2	1505.9	1506.6	1508.1	1509.7	1511.3	1512.9
162.5°	1523.5	1522.0	1521.8	1521.5	1521.2	1521.0	1521.6	1523.2	1524.7	1526.3	1527.8
165°	1543.8	1542.2	1541.9	1541.7	1541.4	1541.2	1541.8	1543.4	1544.9	1546.5	1548.0
167.5°	1558.8	1557.0	1556.7	1556.4	1556.2	1555.9	1556.6	1558.2	1559.8	1561.5	1563.1
170°	1566.6	1564.5	1564.2	1564.0	1563.7	1563.5	1564.2	1566.0	1567.8	1569.7	1571.6
172.5°	1573.0	1571.0	1570.5	1570.1	1569.6	1569.1	1569.8	1571.7	1573.5	1575.3	1577.1
175°	1579.4	1577.4	1577.1	1576.9	1576.6	1576.3	1577.0	1578.5	1580.1	1581.7	1583.3
177.5°	1582.9	1581.3	1581.1	1580.9	1580.7	1580.5	1581.0	1582.4	1583.6	1584.8	1586.1
180°	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3



TEST NUMBER: P333286-840

CATALOG NUMBER: S125DIP-S1090D1205U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1614.6	1622.2	1627.1	1636.4	1644.1	1648.4	1652.2	1655.5	1659.3	1662.5	1671.8
5°	1625.0	1642.6	1657.7	1680.8	1702.0	1718.4	1736.1	1751.7	1764.6	1783.1	1797.4
7.5°	1620.4	1651.9	1685.0	1720.8	1757.5	1791.5	1822.9	1852.2	1878.8	1911.0	1939.1
10°	1616.1	1659.0	1701.3	1749.7	1799.5	1841.7	1881.3	1921.5	1950.8	1991.7	2026.4
12.5°	1612.9	1663.3	1714.3	1772.6	1827.2	1886.9	1939.5	1968.9	2013.5	2046.2	2087.5
15°	1599.0	1665.9	1736.1	1801.5	1879.2	1934.4	1980.7	2038.0	2079.6	2121.1	2166.2
17.5°	1574.4	1650.0	1728.6	1814.3	1888.9	1948.1	2007.9	2063.1	2112.7	2168.5	2224.5
20°	1563.0	1638.6	1728.6	1816.4	1889.5	1951.5	2012.8	2073.5	2128.0	2199.6	2264.3
22.5°	1538.9	1630.4	1713.3	1799.1	1874.1	1941.7	2011.1	2080.0	2152.5	2233.3	2314.5
25°	1496.1	1588.8	1676.8	1761.3	1836.9	1921.5	1995.8	2087.8	2180.5	2287.4	2388.3
27.5°	1451.7	1540.4	1621.0	1702.6	1790.9	1886.5	1983.0	2087.4	2208.7	2343.8	2486.1
30°	1415.7	1499.5	1577.9	1661.7	1753.7	1861.5	1967.1	2091.1	2231.6	2383.6	2552.6
32.5°	1373.7	1451.0	1527.2	1616.0	1716.2	1829.9	1953.0	2089.0	2257.8	2430.4	2604.4
35°	1301.9	1366.7	1445.0	1539.7	1652.9	1783.1	1925.5	2086.4	2280.0	2478.3	2624.8
37.5°	1216.7	1277.0	1359.6	1463.4	1582.1	1721.7	1890.8	2081.6	2287.2	2445.4	2492.6
40°	1159.4	1215.3	1301.2	1408.9	1530.2	1678.1	1863.5	2065.3	2264.3	2365.2	2326.3
42.5°	1098.3	1157.0	1240.6	1347.3	1477.8	1638.9	1829.2	2030.9	2197.8	2235.9	2101.6
45°	1002.0	1062.6	1145.1	1252.8	1393.2	1567.7	1766.1	1949.4	2045.5	1976.7	1768.8
47.5°	912.4	969.3	1045.7	1156.8	1301.7	1482.2	1673.2	1819.5	1827.1	1662.8	1440.8
50°	851.3	903.8	980.9	1092.0	1235.8	1418.5	1590.8	1706.1	1654.3	1468.1	1254.9
52.5°	791.3	842.7	918.7	1028.6	1170.8	1338.3	1498.7	1579.5	1482.0	1291.0	1108.7
55°	704.8	749.7	824.0	925.6	1060.6	1216.0	1352.3	1380.3	1253.4	1065.3	917.5
57.5°	620.3	662.3	729.8	823.3	946.7	1084.4	1191.0	1185.1	1051.1	889.6	772.2
60°	563.0	603.9	663.9	755.2	867.7	986.3	1077.6	1055.8	922.9	783.9	685.0
62.5°	511.8	548.3	605.0	684.9	787.5	897.4	972.4	940.2	810.0	688.4	610.4
65°	436.3	466.9	515.3	583.5	668.6	759.3	817.3	775.7	664.6	569.9	507.2
67.5°	364.2	388.7	429.3	483.6	556.3	629.1	664.4	622.6	533.7	464.5	418.1
70°	318.3	340.1	371.4	419.9	483.2	544.6	571.2	533.7	457.4	398.1	364.7
72.5°	272.5	290.5	318.0	361.5	412.3	465.5	488.9	453.0	390.3	340.2	309.0
75°	210.7	222.9	242.0	272.0	312.1	354.5	367.4	336.1	295.8	258.3	237.9
77.5°	150.8	161.2	175.6	194.5	223.0	249.8	261.2	243.1	212.0	188.2	171.5
80°	115.8	121.3	133.6	149.3	171.8	188.8	196.3	184.7	162.9	145.2	132.2
82.5°	82.6	88.1	95.4	108.4	122.7	134.3	142.3	134.5	118.8	104.8	97.4
85°	40.2	43.6	47.7	53.1	64.0	70.9	70.2	65.4	59.3	53.8	49.8
87.5°	14.8	15.8	17.9	21.0	23.0	25.5	27.1	26.3	24.4	23.1	21.7
90°	3.2	5.4	7.5	9.5	11.5	13.3	15.1	17.0	18.8	20.1	21.4
92.5°	16.7	15.1	13.7	12.2	12.3	13.9	15.6	17.2	18.8	20.1	21.4
95°	66.1	65.3	64.5	63.7	58.5	48.5	38.6	28.7	18.8	20.1	21.4
97.5°	141.1	142.5	143.9	145.3	136.2	116.5	96.9	77.4	57.8	50.4	43.0
100°	196.8	197.5	198.3	199.1	200.1	201.1	202.2	203.2	204.2	165.3	126.5
102.5°	254.3	255.3	256.2	257.2	258.0	258.6	259.3	259.9	260.5	253.2	245.8
105°	346.1	347.1	348.2	349.2	349.7	349.7	349.7	349.7	349.7	349.7	349.7
107.5°	440.4	440.4	440.4	440.4	440.6	441.1	441.6	442.2	442.7	442.7	442.8
110°	502.3	502.3	502.3	502.3	502.6	503.1	503.6	504.1	504.6	503.9	503.1





TEST NUMBER: P333286-840

CATALOG NUMBER: S125DIP-S1090D1205U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	561.2	561.8	562.4	563.0	563.5	563.8	564.1	564.4	564.7	563.8	562.8
115°	649.1	650.5	651.8	653.1	653.9	654.1	654.4	654.6	654.9	653.9	652.8
117.5°	738.2	738.1	738.1	738.0	738.5	739.5	740.4	741.4	742.5	741.1	739.7
120°	794.3	794.1	793.8	793.6	793.8	794.6	795.4	796.1	796.9	796.4	795.9
122.5°	845.4	846.3	847.3	848.3	849.0	849.3	849.7	850.1	850.4	849.9	849.4
125°	923.1	924.9	926.8	928.6	929.5	929.5	929.5	929.5	929.5	928.5	927.5
127.5°	996.1	997.3	998.7	1000.0	1000.6	1000.4	1000.3	1000.1	1000.0	999.4	998.8
130°	1041.2	1042.5	1043.8	1045.1	1045.8	1046.1	1046.4	1046.6	1046.9	1046.1	1045.3
132.5°	1086.4	1087.9	1089.4	1091.0	1091.5	1090.9	1090.3	1089.7	1089.1	1089.0	1088.8
135°	1150.5	1152.2	1153.7	1155.3	1155.8	1155.3	1154.8	1154.2	1153.7	1153.2	1152.7
137.5°	1209.3	1210.6	1211.9	1213.4	1213.8	1213.4	1212.8	1212.3	1211.9	1212.0	1212.1
140°	1247.0	1247.5	1248.0	1248.5	1248.6	1248.4	1248.1	1247.9	1247.6	1248.1	1248.6
142.5°	1281.4	1281.8	1282.1	1282.4	1282.7	1283.1	1283.4	1283.8	1284.2	1284.3	1284.4
145°	1332.6	1333.1	1333.6	1334.1	1334.4	1334.4	1334.4	1334.4	1334.4	1334.7	1334.9
147.5°	1376.5	1376.4	1376.3	1376.2	1376.3	1376.6	1377.0	1377.4	1377.7	1378.0	1378.3
150°	1404.3	1403.8	1403.3	1402.8	1402.8	1403.3	1403.8	1404.3	1404.8	1405.3	1405.9
152.5°	1431.0	1429.8	1428.7	1427.4	1427.1	1427.7	1428.3	1428.8	1429.3	1429.8	1430.3
155°	1465.5	1463.9	1462.4	1460.8	1460.3	1460.8	1461.3	1461.9	1462.4	1463.2	1463.9
157.5°	1493.1	1492.2	1491.3	1490.3	1489.9	1490.0	1490.0	1490.1	1490.1	1490.9	1491.8
160°	1511.3	1509.7	1508.1	1506.6	1505.9	1506.2	1506.4	1506.7	1506.9	1508.0	1509.0
162.5°	1526.3	1524.7	1523.2	1521.6	1521.0	1521.2	1521.5	1521.8	1522.0	1523.5	1524.9
165°	1546.5	1544.9	1543.4	1541.8	1541.2	1541.4	1541.7	1541.9	1542.2	1543.8	1545.3
167.5°	1561.5	1559.8	1558.2	1556.6	1555.9	1556.2	1556.4	1556.7	1557.0	1558.8	1560.7
170°	1569.7	1567.8	1566.0	1564.2	1563.5	1563.7	1564.0	1564.2	1564.5	1566.6	1568.6
172.5°	1575.3	1573.5	1571.7	1569.8	1569.1	1569.6	1570.1	1570.5	1571.0	1573.0	1574.8
175°	1581.7	1580.1	1578.5	1577.0	1576.3	1576.6	1576.9	1577.1	1577.4	1579.4	1581.5
177.5°	1584.8	1583.6	1582.4	1581.0	1580.5	1580.7	1580.9	1581.1	1581.3	1582.9	1584.3
180°	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3



TEST NUMBER: P333286-840

CATALOG NUMBER: S125DIP-S1090D1205U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1679.5	1683.8	1693.1	1689.8	1694.3	1696.4	1698.6
5°	1815.1	1836.9	1846.4	1845.1	1859.5	1856.0	1852.6
7.5°	1968.3	1991.3	2004.1	2020.0	2029.3	2029.9	2038.0
10°	2055.1	2085.1	2097.3	2114.4	2125.3	2131.4	2130.7
12.5°	2121.6	2145.1	2172.5	2180.9	2195.6	2203.3	2200.5
15°	2201.6	2239.1	2267.8	2282.0	2300.5	2305.9	2313.4
17.5°	2273.0	2323.3	2356.7	2401.2	2417.9	2428.1	2422.2
20°	2327.0	2393.2	2426.5	2479.7	2509.0	2524.7	2519.2
22.5°	2390.9	2462.4	2524.2	2570.2	2614.7	2635.9	2640.3
25°	2500.1	2598.3	2689.0	2749.7	2804.8	2817.7	2846.4
27.5°	2622.3	2738.0	2835.0	2898.7	2937.2	2951.6	2960.6
30°	2699.2	2814.4	2887.3	2928.2	2940.4	2939.1	2937.7
32.5°	2736.8	2808.9	2823.0	2811.5	2783.4	2759.7	2734.9
35°	2683.5	2629.7	2549.2	2445.6	2369.2	2292.3	2284.7
37.5°	2413.5	2241.3	2107.4	1957.8	1871.6	1818.3	1781.5
40°	2159.3	1963.7	1801.5	1675.4	1587.5	1552.7	1518.6
42.5°	1883.4	1696.6	1552.9	1447.4	1381.4	1342.8	1315.8
45°	1530.2	1365.2	1252.8	1176.5	1124.0	1094.0	1076.9
47.5°	1253.8	1131.9	1036.3	981.3	945.0	921.7	921.8
50°	1105.6	989.1	925.6	882.0	850.6	832.2	835.7
52.5°	974.1	887.1	832.9	796.4	773.3	761.9	761.5
55°	814.6	751.8	716.4	689.8	674.1	661.2	663.9
57.5°	696.7	643.9	620.2	598.0	587.1	582.0	574.4
60°	623.7	582.8	562.3	544.6	533.7	529.6	522.1
62.5°	558.8	526.6	506.8	492.2	482.4	481.1	475.2
65°	469.6	445.0	427.4	420.5	410.3	407.6	407.6
67.5°	387.2	369.6	355.8	349.5	345.1	345.7	342.4
70°	335.4	321.0	312.1	305.4	301.9	302.7	299.9
72.5°	293.4	277.4	269.6	265.6	261.1	262.9	261.8
75°	222.2	214.0	210.0	205.8	203.1	201.8	200.4
77.5°	163.2	155.9	152.8	150.5	150.9	147.6	150.3
80°	126.1	120.0	118.0	114.5	113.8	113.8	113.1
82.5°	92.3	88.9	87.4	84.5	83.3	84.4	82.6
85°	47.7	44.9	44.3	44.3	42.9	41.6	44.9
87.5°	22.0	20.1	20.3	19.9	20.0	19.7	18.7
90°	22.7	24.0	25.0	25.9	26.6	27.4	28.2
92.5°	22.7	24.0	24.8	25.1	25.5	26.0	26.3
95°	22.7	24.0	24.6	24.6	24.6	24.6	24.6
97.5°	35.6	28.3	24.6	24.6	24.6	24.6	24.6
100°	87.7	48.8	28.8	27.8	26.8	25.7	24.6
102.5°	238.5	231.2	218.6	200.9	183.1	165.4	147.6
105°	349.7	349.7	349.6	349.3	349.1	348.8	348.6
107.5°	442.8	442.9	442.5	441.7	441.0	440.2	439.4
110°	502.3	501.5	501.3	501.5	501.8	502.1	502.3



TEST NUMBER: P333286-840

CATALOG NUMBER: S125DIP-S1090D1205U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	561.8	560.8	560.1	559.8	559.4	559.1	558.7
115°	651.8	650.8	649.4	647.8	646.3	644.7	643.2
117.5°	738.4	737.0	736.0	735.3	734.7	734.0	733.3
120°	795.4	794.9	794.0	792.6	791.3	790.0	788.7
122.5°	848.9	848.4	847.3	845.8	844.2	842.8	841.3
125°	926.3	925.3	924.4	923.6	922.9	922.1	921.3
127.5°	998.3	997.6	996.4	994.5	992.5	990.6	988.7
130°	1044.5	1043.8	1042.7	1041.4	1040.2	1038.8	1037.5
132.5°	1088.6	1088.5	1087.8	1086.5	1085.2	1083.9	1082.6
135°	1152.2	1151.7	1150.5	1149.0	1147.4	1145.9	1144.3
137.5°	1212.2	1212.3	1211.7	1210.3	1209.0	1207.6	1206.3
140°	1249.1	1249.7	1249.1	1247.6	1246.1	1244.5	1242.9
142.5°	1284.5	1284.6	1283.9	1282.3	1280.8	1279.2	1277.7
145°	1335.2	1335.4	1334.8	1333.2	1331.7	1330.1	1328.6
147.5°	1378.6	1378.9	1378.1	1376.2	1374.3	1372.5	1370.6
150°	1406.4	1406.9	1406.1	1404.1	1402.0	1399.9	1397.9
152.5°	1430.9	1431.4	1430.7	1428.8	1426.9	1425.0	1423.2
155°	1464.7	1465.5	1464.8	1462.8	1460.7	1458.5	1456.5
157.5°	1492.6	1493.4	1492.8	1490.7	1488.6	1486.5	1484.4
160°	1510.1	1511.2	1510.7	1508.5	1506.4	1504.4	1502.3
162.5°	1526.4	1527.8	1527.4	1525.1	1522.8	1520.6	1518.2
165°	1546.9	1548.4	1548.1	1546.1	1544.0	1541.9	1539.8
167.5°	1562.6	1564.5	1564.3	1561.9	1559.5	1557.2	1554.9
170°	1570.7	1572.9	1572.7	1570.3	1568.0	1565.7	1563.3
172.5°	1576.7	1578.5	1578.3	1576.0	1573.7	1571.2	1568.9
175°	1583.7	1585.7	1585.6	1583.3	1580.9	1578.5	1576.2
177.5°	1585.8	1587.2	1587.1	1585.5	1583.8	1582.1	1580.4
180°	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3	1583.3

(END OF REPORT)