

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: P333455-927

Luminaire Tested: **S125DIW-S1090D1560U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333455-927  
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: S125DIW-S1090D1560U927-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7842.0 lumens  
Efficiency: N/A  
Efficacy: 102.4 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

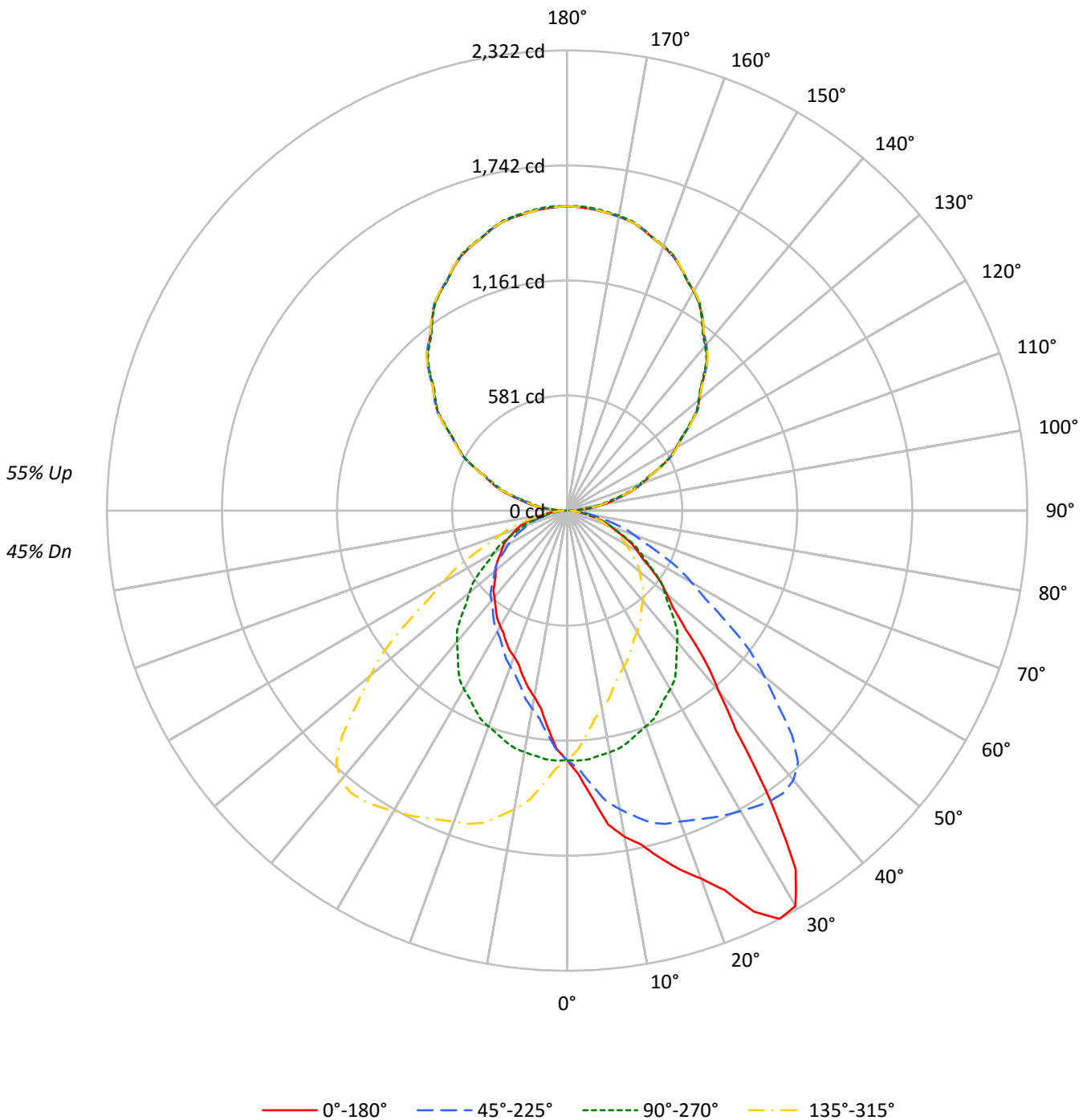
Input Watts (W): 76.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333455-927

CATALOG NUMBER: S125DIW-S1090D1560U927-4F0-1E-UDD-A1

### Luminous Intensity Polar Plot





TEST NUMBER: P333455-927

CATALOG NUMBER: S125DIW-S1090D1560U927-4F0-1E-UDD-A1

**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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	45
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	44	39
2	88	81	75	70	81	75	70	65	62	59	56	51	49	46	41	39	37	33
3	81	71	64	59	74	66	60	55	55	51	47	45	42	39	36	34	32	28
4	74	63	56	50	68	58	52	46	49	44	40	41	37	34	33	30	28	24
5	68	56	48	43	62	52	45	40	44	39	35	36	32	29	29	27	24	21
6	62	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	21	18
7	58	46	38	32	53	42	35	30	36	30	27	30	26	23	24	21	19	16
8	54	41	34	29	49	38	32	27	33	27	24	27	23	20	22	19	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13
10	47	35	27	23	43	32	26	21	28	22	19	23	19	16	19	16	14	12

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

	0°	90°	180°	270°
0°	8136	8136	8136	8136
5°	9422	8163	7148	8163
10°	10961	8121	6263	8121
15°	12133	8062	5777	8062
20°	13582	7967	5388	7967
25°	15911	7860	5197	7860
30°	17186	7756	5032	7756
35°	14130	7559	4924	7559
40°	10044	7284	4806	7284
45°	7716	6915	4737	6915
50°	6586	6457	4728	6457
55°	5864	6008	4769	6008
60°	5291	5518	4890	5518
65°	4886	5025	5017	5025
70°	4443	4513	5089	4513
75°	3923	3975	5043	3975
80°	3299	3239	4616	3239
85°	2616	2334	3720	2334



TEST NUMBER: P333455-927

CATALOG NUMBER: S125DIW-S1090D1560U927-4F0-1E-UDD-A1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.3	1.5
10°-20°	361.1	4.6
20°-30°	586.3	7.5
30°-40°	715.2	9.1
40°-50°	650.6	8.3
50°-60°	518.2	6.6
60°-70°	361.0	4.6
70°-80°	192.5	2.5
80°-90°	51.9	0.7
90°-100°	102.8	1.3
100°-110°	303.6	3.9
110°-120°	514.3	6.6
120°-130°	676.9	8.6
130°-140°	758.4	9.7
140°-150°	743.3	9.5
150°-160°	624.3	8.0
160°-170°	415.0	5.3
170°-180°	145.2	1.9
0°-30°	1068.7	13.6
0°-40°	1783.8	22.7
0°-60°	2952.7	37.7
0°-90°	3558.0	45.4
90°-120°	920.8	11.7
90°-150°	3099.4	39.5
90°-180°	4284.0	54.6
0°-180°	7842.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1260	1260	1260	1260	1260	
5°	1453	1259	1102	1259	1453	146
15°	1815	1206	864	1206	1815	519
25°	2233	1103	729	1103	2233	1020
35°	1792	959	624	959	1792	1097
45°	845	757	519	757	845	676
55°	521	534	424	534	521	469
65°	320	329	328	329	320	317
75°	157	159	202	159	157	169
85°	35	32	50	32	35	41
90°	29	1	29	1	29	18
95°	103	78	103	78	103	105
105°	296	272	296	272	296	314
115°	520	515	520	515	520	514
125°	756	752	756	752	756	675
135°	981	977	981	977	981	757
145°	1189	1184	1189	1184	1189	742
155°	1355	1355	1355	1355	1355	623
165°	1470	1473	1470	1473	1470	414
175°	1526	1532	1526	1532	1526	145
180°	1535	1535	1535	1535	1535	



TEST NUMBER: P333455-927

CATALOG NUMBER: S125DIW-S1090D1560U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1332.5	1330.7	1329.0	1325.6	1328.2	1320.9	1317.5	1311.5	1304.2	1301.6	1298.6
5°	1453.3	1456.0	1458.6	1447.4	1448.4	1441.0	1423.9	1409.9	1398.8	1384.3	1374.1
7.5°	1598.7	1592.4	1591.9	1584.6	1572.1	1562.0	1544.0	1521.1	1499.0	1473.8	1452.9
10°	1671.4	1672.0	1667.1	1658.6	1645.2	1635.6	1612.1	1589.6	1562.3	1530.3	1507.3
12.5°	1726.2	1728.4	1722.4	1710.8	1704.2	1682.7	1664.3	1637.5	1605.1	1579.5	1544.5
15°	1814.7	1808.9	1804.6	1790.1	1778.9	1756.4	1727.0	1699.2	1663.9	1631.3	1598.7
17.5°	1900.0	1904.7	1896.7	1883.6	1848.7	1822.5	1783.0	1745.0	1701.1	1657.3	1618.3
20°	1976.2	1980.5	1968.2	1945.2	1903.5	1877.3	1825.4	1776.2	1725.5	1669.3	1626.5
22.5°	2071.2	2067.8	2051.1	2016.2	1980.1	1931.6	1875.5	1815.6	1751.9	1688.5	1631.7
25°	2232.8	2210.3	2200.2	2157.0	2109.3	2038.2	1961.2	1873.5	1794.4	1710.5	1637.8
27.5°	2322.4	2315.4	2304.1	2273.9	2223.9	2147.8	2057.1	1950.2	1838.6	1732.6	1637.4
30°	2304.5	2305.6	2306.6	2297.0	2264.9	2207.7	2117.3	2002.4	1869.8	1750.6	1640.4
32.5°	2145.4	2164.8	2183.4	2205.4	2214.5	2203.5	2146.9	2043.0	1906.5	1771.1	1638.7
35°	1792.2	1798.2	1858.5	1918.4	1999.7	2062.8	2105.1	2059.0	1944.1	1788.5	1636.6
37.5°	1397.5	1426.3	1468.2	1535.8	1653.1	1758.2	1893.2	1955.3	1918.3	1794.2	1632.9
40°	1191.3	1218.0	1245.3	1314.2	1413.2	1540.4	1693.8	1824.9	1855.4	1776.2	1620.1
42.5°	1032.1	1053.4	1083.6	1135.4	1218.1	1330.9	1477.4	1648.6	1754.0	1724.0	1593.2
45°	844.8	858.2	881.7	922.9	982.8	1071.0	1200.4	1387.5	1550.6	1604.6	1529.2
47.5°	723.1	723.0	741.3	769.8	812.9	887.9	983.6	1130.2	1304.4	1433.3	1427.3
50°	655.5	652.8	667.3	691.9	726.1	775.9	867.3	984.4	1151.7	1297.7	1338.3
52.5°	597.4	597.7	606.6	624.7	653.4	695.9	764.1	869.7	1012.7	1162.5	1239.1
55°	520.8	518.6	528.8	541.1	562.0	589.8	639.0	719.7	835.7	983.3	1082.8
57.5°	450.6	456.5	460.6	469.1	486.5	505.1	546.5	605.8	697.8	824.5	929.6
60°	409.6	415.4	418.7	427.2	441.1	457.2	489.3	537.3	614.9	724.0	828.2
62.5°	372.8	377.4	378.4	386.1	397.5	413.1	438.3	478.8	540.0	635.4	737.5
65°	319.7	319.7	321.9	329.9	335.3	349.1	368.4	397.8	447.0	521.3	608.5
67.5°	268.6	271.2	270.7	274.2	279.1	289.9	303.7	328.0	364.4	418.7	488.4
70°	235.3	237.4	236.9	239.6	244.9	251.8	263.1	286.1	312.3	358.8	418.7
72.5°	205.3	206.2	204.8	208.3	211.5	217.6	230.1	242.4	266.9	306.2	355.4
75°	157.2	158.3	159.3	161.4	164.7	167.9	174.3	186.6	202.6	232.0	263.6
77.5°	117.9	115.8	118.4	118.0	119.9	122.3	128.0	134.5	147.7	166.3	190.7
80°	88.7	89.3	89.3	89.8	92.5	94.1	98.9	103.7	113.9	127.8	144.9
82.5°	64.8	66.2	65.4	66.3	68.5	69.7	72.4	76.4	82.2	93.2	105.5
85°	35.3	32.6	33.7	34.8	34.8	35.3	37.4	39.1	42.2	46.5	51.3
87.5°	16.0	16.7	17.0	16.8	17.1	16.9	18.3	18.1	19.1	20.0	21.4
90°	28.7	27.9	27.1	26.3	25.5	24.4	23.1	21.8	20.4	19.1	17.3
92.5°	56.4	55.8	55.2	54.7	54.0	52.9	51.1	49.4	47.6	45.9	43.6
95°	102.7	102.2	101.7	101.2	100.6	99.4	97.6	95.7	93.9	92.0	89.4
97.5°	155.8	155.5	155.2	154.9	154.6	153.4	151.7	150.0	148.2	146.5	142.8
100°	195.9	195.4	194.9	194.3	193.8	192.3	190.0	187.6	185.2	182.8	179.4
102.5°	236.1	235.4	234.6	233.9	233.1	231.4	228.9	226.2	223.6	221.0	219.3
105°	296.3	295.5	294.7	293.9	293.1	291.9	290.3	288.8	287.2	285.6	283.9
107.5°	357.9	358.0	358.1	358.1	358.1	357.7	357.0	356.2	355.4	354.6	353.4
110°	403.9	404.1	404.3	404.6	404.9	404.6	403.9	403.1	402.2	401.4	400.6



TEST NUMBER: P333455-927

CATALOG NUMBER: S125DIW-S1090D1560U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	448.8	449.2	449.7	450.2	450.7	450.7	450.4	450.0	449.6	449.2	448.2
115°	519.8	520.0	520.2	520.5	520.8	521.0	521.3	521.6	521.8	522.1	521.6
117.5°	589.0	590.1	591.1	592.2	593.3	593.7	593.5	593.3	593.0	592.9	592.3
120°	636.8	637.9	638.9	640.0	641.0	641.6	641.6	641.6	641.6	641.6	641.3
122.5°	684.6	685.4	686.3	687.1	688.0	688.5	688.7	689.0	689.1	689.4	688.6
125°	756.3	756.5	756.8	757.1	757.3	757.7	758.3	758.8	759.3	759.9	759.6
127.5°	825.1	825.6	826.2	826.6	827.2	827.6	827.9	828.1	828.4	828.7	828.4
130°	871.0	871.5	872.0	872.6	873.1	873.5	873.8	874.0	874.3	874.6	874.0
132.5°	913.9	914.7	915.4	916.2	917.0	917.4	917.7	918.0	918.2	918.5	918.6
135°	980.9	981.9	983.0	984.0	985.2	985.6	985.6	985.6	985.6	985.6	985.4
137.5°	1046.3	1047.7	1049.0	1050.4	1051.7	1052.2	1051.9	1051.5	1051.2	1050.9	1050.3
140°	1088.4	1089.7	1091.1	1092.4	1093.7	1094.1	1093.6	1093.1	1092.5	1092.0	1091.2
142.5°	1128.5	1129.9	1131.2	1132.5	1133.9	1134.4	1134.0	1133.7	1133.4	1133.1	1132.1
145°	1188.7	1189.5	1190.3	1191.1	1191.9	1192.3	1192.3	1192.3	1192.3	1192.3	1191.5
147.5°	1240.2	1242.0	1243.7	1245.5	1247.4	1247.9	1247.3	1246.7	1246.0	1245.4	1244.8
150°	1278.3	1278.9	1279.5	1279.9	1280.5	1280.8	1280.8	1280.8	1280.8	1280.8	1279.7
152.5°	1310.0	1310.9	1311.9	1312.8	1313.8	1313.9	1313.3	1312.6	1312.0	1311.4	1310.9
155°	1354.9	1356.1	1357.5	1358.8	1360.2	1360.3	1359.2	1358.1	1357.1	1356.1	1355.7
157.5°	1392.3	1394.1	1395.8	1397.6	1399.4	1399.7	1398.7	1397.6	1396.5	1395.4	1395.2
160°	1418.2	1419.5	1420.8	1422.1	1423.5	1423.6	1422.5	1421.5	1420.4	1419.4	1419.1
162.5°	1440.1	1441.7	1443.2	1444.8	1446.3	1446.4	1445.2	1443.9	1442.6	1441.3	1441.3
165°	1469.5	1471.2	1472.7	1474.3	1475.9	1476.2	1475.1	1474.0	1473.0	1472.0	1471.6
167.5°	1492.9	1494.6	1496.3	1497.9	1499.5	1499.5	1497.9	1496.4	1494.8	1493.2	1493.2
170°	1505.4	1507.2	1509.1	1510.9	1512.8	1512.9	1511.3	1509.7	1508.2	1506.6	1506.6
172.5°	1515.9	1517.5	1519.2	1520.8	1522.5	1522.5	1520.9	1519.3	1517.7	1516.2	1516.2
175°	1525.7	1527.6	1529.4	1531.3	1533.1	1533.3	1531.7	1530.1	1528.4	1526.9	1526.9
177.5°	1531.4	1532.9	1534.4	1535.9	1537.4	1537.5	1536.2	1534.9	1533.7	1532.4	1532.6
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



TEST NUMBER: P333455-927

CATALOG NUMBER: S125DIW-S1090D1560U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1296.1	1293.1	1289.7	1283.7	1276.4	1272.6	1266.5	1262.7	1255.0	1248.6	1241.7
5°	1361.8	1348.0	1335.1	1318.5	1300.4	1288.6	1274.7	1259.2	1243.2	1226.5	1208.4
7.5°	1430.0	1405.3	1378.6	1349.9	1321.8	1295.9	1271.1	1246.9	1224.2	1196.8	1173.6
10°	1475.8	1444.7	1411.6	1372.5	1334.6	1301.4	1267.7	1238.3	1208.4	1176.3	1148.0
12.5°	1521.5	1480.2	1433.4	1390.5	1344.8	1304.8	1265.2	1227.6	1190.0	1154.5	1121.4
15°	1553.8	1517.4	1474.1	1413.2	1361.8	1306.8	1254.3	1205.7	1160.2	1120.7	1079.0
17.5°	1575.1	1528.2	1481.7	1423.2	1356.0	1294.3	1235.0	1179.3	1128.1	1077.9	1037.7
20°	1578.9	1530.8	1482.2	1424.9	1356.0	1285.4	1226.1	1159.2	1104.1	1052.3	1003.1
22.5°	1577.6	1523.1	1470.1	1411.3	1344.0	1279.0	1207.2	1139.1	1079.3	1028.3	977.0
25°	1565.6	1507.3	1441.0	1381.6	1315.3	1246.3	1173.6	1103.0	1042.1	983.8	933.0
27.5°	1555.5	1479.9	1404.9	1335.6	1271.6	1208.4	1138.8	1066.5	998.9	939.8	892.0
30°	1543.1	1460.2	1375.7	1303.5	1237.8	1176.3	1110.6	1040.0	969.4	911.6	860.3
32.5°	1532.0	1435.4	1346.2	1267.7	1198.0	1138.2	1077.6	1010.4	941.1	882.6	831.2
35°	1510.5	1398.8	1296.6	1207.8	1133.5	1072.1	1021.3	958.7	895.1	838.4	789.2
37.5°	1483.2	1350.6	1241.0	1148.0	1066.5	1001.7	954.4	906.4	845.3	790.7	746.2
40°	1461.8	1316.4	1200.4	1105.2	1020.7	953.3	909.5	864.0	813.3	762.5	715.4
42.5°	1434.9	1285.6	1159.3	1056.9	973.2	907.6	861.6	823.0	778.2	730.8	687.1
45°	1385.4	1229.8	1092.9	982.8	898.3	833.5	786.0	757.1	723.4	678.5	641.6
47.5°	1312.6	1162.7	1021.1	907.4	820.3	760.3	715.7	688.0	664.3	630.9	597.5
50°	1247.9	1112.7	969.4	856.6	769.4	709.0	667.8	642.7	622.3	596.7	568.4
52.5°	1175.7	1049.8	918.5	806.9	720.6	661.1	620.8	598.7	581.7	563.3	535.4
55°	1060.8	953.9	831.9	726.1	646.4	588.1	552.9	533.6	519.8	505.8	488.7
57.5°	934.3	850.6	742.7	645.9	572.5	519.5	486.6	467.9	457.0	449.9	439.8
60°	845.3	773.7	680.6	592.4	520.8	473.7	441.6	427.2	418.1	412.3	404.7
62.5°	762.8	703.9	617.7	537.3	474.6	430.1	401.5	387.5	378.7	375.9	369.7
65°	641.1	595.6	524.5	457.7	404.3	366.2	342.2	328.8	323.4	320.3	320.8
67.5°	521.2	493.5	436.4	379.4	336.8	304.9	285.7	275.4	272.7	268.4	268.3
70°	448.1	427.2	379.1	329.4	291.4	266.8	249.7	239.0	236.3	234.2	233.7
72.5°	383.5	365.2	323.4	283.6	249.5	227.9	213.7	207.3	203.0	201.7	201.6
75°	288.2	278.1	244.9	213.3	189.8	174.8	165.2	159.3	156.1	155.6	156.1
77.5°	204.9	196.0	174.9	152.6	137.8	126.4	118.3	116.2	112.6	112.7	112.2
80°	154.0	148.1	134.8	117.1	104.8	95.1	90.9	87.1	86.1	84.4	86.1
82.5°	111.6	105.4	96.3	85.0	74.9	69.1	64.8	63.6	63.0	62.3	62.6
85°	55.1	55.6	50.2	41.7	37.4	34.2	31.5	31.5	31.0	30.5	31.0
87.5°	21.9	20.7	18.6	16.9	14.3	12.7	11.8	11.8	10.9	10.9	11.8
90°	15.4	13.5	11.6	9.7	7.6	5.5	3.3	1.2	3.3	5.5	7.6
92.5°	41.3	39.1	36.8	34.9	33.4	31.9	30.4	28.9	30.4	31.9	33.4
95°	86.7	84.1	81.4	79.8	79.2	78.7	78.2	77.6	78.2	78.7	79.2
97.5°	139.2	135.5	131.8	129.9	129.7	129.4	129.2	129.0	129.2	129.4	129.7
100°	175.9	172.5	169.0	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2
102.5°	217.5	215.8	214.0	212.6	211.5	210.5	209.5	208.3	209.5	210.5	211.5
105°	282.3	280.7	279.2	277.7	276.4	275.0	273.7	272.4	273.7	275.0	276.4
107.5°	352.1	350.9	349.7	348.4	347.1	345.8	344.4	343.1	344.4	345.8	347.1
110°	399.8	399.0	398.2	397.2	395.9	394.5	393.2	391.9	393.2	394.5	395.9





TEST NUMBER: P333455-927

CATALOG NUMBER: S125DIW-S1090D1560U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	447.2	446.2	445.2	444.3	443.6	443.0	442.3	441.6	442.3	443.0	443.6
115°	521.0	520.5	520.0	519.2	518.1	517.1	516.0	514.9	516.0	517.1	518.1
117.5°	591.8	591.4	590.9	590.4	589.9	589.5	589.0	588.5	589.0	589.5	589.9
120°	641.0	640.8	640.5	639.7	638.4	637.1	635.7	634.4	635.7	637.1	638.4
122.5°	688.0	687.3	686.6	686.0	685.6	685.1	684.6	684.1	684.6	685.1	685.6
125°	759.3	759.1	758.8	757.9	756.3	754.7	753.0	751.5	753.0	754.7	756.3
127.5°	828.1	827.8	827.4	826.8	825.9	825.0	824.1	823.2	824.1	825.0	825.9
130°	873.5	873.0	872.4	871.5	870.1	868.9	867.5	866.2	867.5	868.9	870.1
132.5°	918.7	918.9	918.9	917.9	915.8	913.5	911.4	909.2	911.4	913.5	915.8
135°	985.2	984.8	984.6	983.7	982.1	980.5	978.9	977.3	978.9	980.5	982.1
137.5°	1049.7	1049.2	1048.5	1047.5	1045.9	1044.4	1042.9	1041.3	1042.9	1044.4	1045.9
140°	1090.4	1089.6	1088.8	1087.7	1086.4	1085.1	1083.8	1082.4	1083.8	1085.1	1086.4
142.5°	1131.1	1130.0	1129.0	1128.0	1126.9	1125.8	1124.7	1123.6	1124.7	1125.8	1126.9
145°	1190.7	1189.9	1189.1	1188.3	1187.2	1186.1	1185.0	1184.0	1185.0	1186.1	1187.2
147.5°	1244.1	1243.5	1242.9	1242.2	1241.7	1241.0	1240.5	1239.9	1240.5	1241.0	1241.7
150°	1278.7	1277.6	1276.5	1276.1	1276.4	1276.7	1276.9	1277.2	1276.9	1276.7	1276.4
152.5°	1310.5	1310.1	1309.6	1309.2	1308.8	1308.5	1308.1	1307.7	1308.1	1308.5	1308.8
155°	1355.5	1355.3	1354.9	1354.9	1354.9	1354.9	1354.9	1354.9	1354.9	1354.9	1354.9
157.5°	1395.0	1394.6	1394.4	1394.6	1395.1	1395.7	1396.3	1396.9	1396.3	1395.7	1395.1
160°	1418.8	1418.6	1418.3	1418.6	1419.4	1420.1	1420.9	1421.7	1420.9	1420.1	1419.4
162.5°	1441.2	1441.1	1441.1	1441.4	1442.0	1442.6	1443.1	1443.8	1443.1	1442.6	1442.0
165°	1471.4	1471.2	1470.8	1471.0	1471.6	1472.0	1472.6	1473.1	1472.6	1472.0	1471.6
167.5°	1493.2	1493.2	1493.2	1493.7	1494.8	1495.9	1496.9	1497.9	1496.9	1495.9	1494.8
170°	1506.6	1506.6	1506.6	1507.1	1508.2	1509.2	1510.3	1511.3	1510.3	1509.2	1508.2
172.5°	1516.2	1516.2	1516.2	1516.6	1517.7	1518.8	1519.9	1520.9	1519.9	1518.8	1517.7
175°	1526.9	1526.9	1526.9	1527.4	1528.4	1529.5	1530.6	1531.7	1530.6	1529.5	1528.4
177.5°	1532.8	1533.0	1533.2	1533.7	1534.6	1535.5	1536.3	1537.2	1536.3	1535.5	1534.6
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



TEST NUMBER: P333455-927

CATALOG NUMBER: S125DIW-S1090D1560U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1237.9	1233.2	1229.3	1220.8	1216.1	1209.7	1204.5	1210.1	1204.1	1206.7	1202.8
5°	1199.3	1184.3	1173.6	1158.1	1144.8	1132.4	1123.4	1121.7	1117.5	1115.3	1108.9
7.5°	1152.9	1134.2	1115.8	1095.4	1078.3	1060.9	1049.8	1040.6	1034.5	1026.5	1021.0
10°	1125.5	1100.3	1079.0	1054.4	1033.0	1014.3	999.3	991.8	984.9	974.7	971.0
12.5°	1091.7	1065.7	1039.7	1013.4	992.8	971.9	959.1	947.8	942.9	931.5	930.3
15°	1051.2	1012.2	986.5	959.7	931.4	914.3	903.6	891.3	886.0	878.0	872.0
17.5°	1002.8	968.0	935.9	908.2	883.9	869.5	856.3	847.8	838.6	833.4	823.7
20°	967.8	934.6	902.5	873.1	854.4	837.8	827.1	819.1	809.5	806.8	797.3
22.5°	938.3	901.7	870.9	846.2	825.8	807.1	795.5	790.0	783.4	775.2	773.2
25°	890.3	852.3	826.1	801.5	783.3	766.2	758.2	751.2	744.8	738.9	736.8
27.5°	848.7	814.8	783.7	761.5	745.7	730.1	723.0	714.5	709.9	705.1	699.3
30°	819.7	784.9	757.6	736.3	719.1	705.3	697.8	691.9	687.6	683.3	680.1
32.5°	789.7	757.6	731.1	710.2	693.1	682.5	676.0	671.8	667.1	661.9	657.9
35°	750.2	714.9	689.2	671.1	657.7	649.7	642.1	638.4	633.0	633.0	628.8
37.5°	705.6	675.1	652.4	635.9	623.8	616.7	608.6	606.0	602.6	600.3	598.8
40°	679.1	650.7	629.3	612.8	599.9	594.1	587.6	583.4	581.2	578.5	577.4
42.5°	651.6	624.6	604.1	588.8	577.7	572.7	566.6	563.6	559.4	555.9	555.2
45°	610.1	583.8	565.1	552.9	543.2	537.3	533.6	527.2	525.1	520.8	520.2
47.5°	570.6	545.5	527.1	517.1	508.6	503.7	497.9	491.5	489.0	486.9	486.6
50°	541.1	518.1	501.0	491.4	483.4	476.4	470.6	466.3	464.6	464.6	465.7
52.5°	511.2	491.5	477.1	465.2	457.7	450.3	444.9	442.3	439.8	442.4	444.3
55°	467.3	447.5	436.8	425.6	418.1	409.6	406.9	405.8	404.3	408.5	410.7
57.5°	420.9	407.0	394.5	383.3	376.6	371.7	368.0	367.4	370.4	372.5	379.4
60°	391.4	375.3	364.1	355.5	347.5	344.4	343.3	342.2	344.4	350.2	359.3
62.5°	358.9	345.9	333.7	327.3	321.5	316.1	315.9	316.6	320.8	327.6	336.6
65°	311.2	299.9	291.9	284.5	279.6	276.4	277.5	279.6	284.5	293.5	303.7
67.5°	262.8	255.1	247.9	241.8	237.2	237.2	238.3	241.5	247.2	257.6	266.9
70°	231.6	223.0	217.1	214.4	210.6	208.5	211.8	217.1	221.9	231.6	239.6
72.5°	200.3	193.1	188.5	186.6	185.0	183.3	184.3	190.1	196.6	206.3	215.6
75°	154.0	151.3	148.1	146.0	144.3	145.4	146.5	151.9	157.2	167.4	178.1
77.5°	112.4	109.6	107.7	107.2	106.3	106.9	109.8	113.8	119.0	126.4	134.5
80°	85.0	84.0	82.9	82.3	82.3	82.9	87.1	89.8	94.7	101.6	108.0
82.5°	61.9	61.2	61.1	60.9	61.4	61.5	64.1	67.6	71.5	76.8	82.3
85°	32.6	31.5	33.1	33.7	32.6	34.2	35.3	37.4	39.1	41.7	44.4
87.5°	12.6	13.9	13.9	14.7	15.0	16.2	16.1	18.1	19.2	20.3	20.0
90°	9.7	11.6	13.5	15.4	17.3	19.1	20.4	21.8	23.1	24.4	25.5
92.5°	34.9	36.8	39.1	41.3	43.6	45.9	47.6	49.4	51.1	52.9	54.0
95°	79.8	81.4	84.1	86.7	89.4	92.0	93.9	95.7	97.6	99.4	100.6
97.5°	129.9	131.8	135.5	139.2	142.8	146.5	148.2	150.0	151.7	153.4	154.6
100°	167.2	169.0	172.5	175.9	179.4	182.8	185.2	187.6	190.0	192.3	193.8
102.5°	212.6	214.0	215.8	217.5	219.3	221.0	223.6	226.2	228.9	231.4	233.1
105°	277.7	279.2	280.7	282.3	283.9	285.6	287.2	288.8	290.3	291.9	293.1
107.5°	348.4	349.7	350.9	352.1	353.4	354.6	355.4	356.2	357.0	357.7	358.1
110°	397.2	398.2	399.0	399.8	400.6	401.4	402.2	403.1	403.9	404.6	404.9



TEST NUMBER: P333455-927

CATALOG NUMBER: S125DIW-S1090D1560U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	444.3	445.2	446.2	447.2	448.2	449.2	449.6	450.0	450.4	450.7	450.7
115°	519.2	520.0	520.5	521.0	521.6	522.1	521.8	521.6	521.3	521.0	520.8
117.5°	590.4	590.9	591.4	591.8	592.3	592.9	593.0	593.3	593.5	593.7	593.3
120°	639.7	640.5	640.8	641.0	641.3	641.6	641.6	641.6	641.6	641.6	641.0
122.5°	686.0	686.6	687.3	688.0	688.6	689.4	689.1	689.0	688.7	688.5	688.0
125°	757.9	758.8	759.1	759.3	759.6	759.9	759.3	758.8	758.3	757.7	757.3
127.5°	826.8	827.4	827.8	828.1	828.4	828.7	828.4	828.1	827.9	827.6	827.2
130°	871.5	872.4	873.0	873.5	874.0	874.6	874.3	874.0	873.8	873.5	873.1
132.5°	917.9	918.9	918.9	918.7	918.6	918.5	918.2	918.0	917.7	917.4	917.0
135°	983.7	984.6	984.8	985.2	985.4	985.6	985.6	985.6	985.6	985.6	985.2
137.5°	1047.5	1048.5	1049.2	1049.7	1050.3	1050.9	1051.2	1051.5	1051.9	1052.2	1051.7
140°	1087.7	1088.8	1089.6	1090.4	1091.2	1092.0	1092.5	1093.1	1093.6	1094.1	1093.7
142.5°	1128.0	1129.0	1130.0	1131.1	1132.1	1133.1	1133.4	1133.7	1134.0	1134.4	1133.9
145°	1188.3	1189.1	1189.9	1190.7	1191.5	1192.3	1192.3	1192.3	1192.3	1192.3	1191.9
147.5°	1242.2	1242.9	1243.5	1244.1	1244.8	1245.4	1246.0	1246.7	1247.3	1247.9	1247.4
150°	1276.1	1276.5	1277.6	1278.7	1279.7	1280.8	1280.8	1280.8	1280.8	1280.8	1280.5
152.5°	1309.2	1309.6	1310.1	1310.5	1310.9	1311.4	1312.0	1312.6	1313.3	1313.9	1313.8
155°	1354.9	1354.9	1355.3	1355.5	1355.7	1356.1	1357.1	1358.1	1359.2	1360.3	1360.2
157.5°	1394.6	1394.4	1394.6	1395.0	1395.2	1395.4	1396.5	1397.6	1398.7	1399.7	1399.4
160°	1418.6	1418.3	1418.6	1418.8	1419.1	1419.4	1420.4	1421.5	1422.5	1423.6	1423.5
162.5°	1441.4	1441.1	1441.1	1441.2	1441.3	1441.3	1442.6	1443.9	1445.2	1446.4	1446.3
165°	1471.0	1470.8	1471.2	1471.4	1471.6	1472.0	1473.0	1474.0	1475.1	1476.2	1475.9
167.5°	1493.7	1493.2	1493.2	1493.2	1493.2	1493.2	1494.8	1496.4	1497.9	1499.5	1499.5
170°	1507.1	1506.6	1506.6	1506.6	1506.6	1506.6	1508.2	1509.7	1511.3	1512.9	1512.8
172.5°	1516.6	1516.2	1516.2	1516.2	1516.2	1516.2	1517.7	1519.3	1520.9	1522.5	1522.5
175°	1527.4	1526.9	1526.9	1526.9	1526.9	1526.9	1528.4	1530.1	1531.7	1533.3	1533.1
177.5°	1533.7	1533.2	1533.0	1532.8	1532.6	1532.4	1533.7	1534.9	1536.2	1537.5	1537.4
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



TEST NUMBER: P333455-927

CATALOG NUMBER: S125DIW-S1090D1560U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1200.2	1203.2	1200.7	1204.1	1200.7	1203.2	1200.2	1202.8	1206.7	1204.1	1210.1
5°	1106.3	1101.5	1104.6	1102.5	1104.6	1101.5	1106.3	1108.9	1115.3	1117.5	1121.7
7.5°	1019.5	1014.9	1009.6	1007.1	1009.6	1014.9	1019.5	1021.0	1026.5	1034.5	1040.6
10°	965.1	959.3	958.7	955.0	958.7	959.3	965.1	971.0	974.7	984.9	991.8
12.5°	925.3	919.9	913.8	912.2	913.8	919.9	925.3	930.3	931.5	942.9	947.8
15°	868.9	864.6	860.9	864.0	860.9	864.6	868.9	872.0	878.0	886.0	891.3
17.5°	821.9	818.4	817.8	813.8	817.8	818.4	821.9	823.7	833.4	838.6	847.8
20°	792.4	789.7	790.8	783.9	790.8	789.7	792.4	797.3	806.8	809.5	819.1
22.5°	768.9	763.7	763.0	761.6	763.0	763.7	768.9	773.2	775.2	783.4	790.0
25°	732.0	729.3	726.7	729.3	726.7	729.3	732.0	736.8	738.9	744.8	751.2
27.5°	699.8	696.6	695.9	696.2	695.9	696.6	699.8	699.3	705.1	709.9	714.5
30°	680.1	674.8	675.3	674.8	675.3	674.8	680.1	680.1	683.3	687.6	691.9
32.5°	658.7	655.1	654.3	653.4	654.3	655.1	658.7	657.9	661.9	667.1	671.8
35°	627.2	627.2	624.5	624.5	624.5	627.2	627.2	628.8	633.0	633.0	638.4
37.5°	597.5	597.0	595.4	595.6	595.4	597.0	597.5	598.8	600.3	602.6	606.0
40°	575.3	574.8	573.1	570.0	573.1	574.8	575.3	577.4	578.5	581.2	583.4
42.5°	553.9	552.2	551.4	550.3	551.4	552.2	553.9	555.2	555.9	559.4	563.6
45°	520.2	520.2	519.2	518.6	519.2	520.2	520.2	520.2	520.8	525.1	527.2
47.5°	487.5	488.5	490.5	490.2	490.5	488.5	487.5	486.6	486.9	489.0	491.5
50°	467.9	468.4	470.0	470.6	470.0	468.4	467.9	465.7	464.6	464.6	466.3
52.5°	446.0	449.2	451.1	450.8	451.1	449.2	446.0	444.3	442.4	439.8	442.3
55°	415.4	419.2	422.9	423.5	422.9	419.2	415.4	410.7	408.5	404.3	405.8
57.5°	385.2	390.4	394.3	395.7	394.3	390.4	385.2	379.4	372.5	370.4	367.4
60°	364.6	371.6	376.4	378.6	376.4	371.6	364.6	359.3	350.2	344.4	342.2
62.5°	345.0	352.8	357.6	358.0	357.6	352.8	345.0	336.6	327.6	320.8	316.6
65°	312.8	320.8	325.1	328.3	325.1	320.8	312.8	303.7	293.5	284.5	279.6
67.5°	278.1	286.1	290.9	293.4	290.9	286.1	278.1	266.9	257.6	247.2	241.5
70°	252.9	260.9	267.4	269.5	267.4	260.9	252.9	239.6	231.6	221.9	217.1
72.5°	228.1	235.3	240.4	243.0	240.4	235.3	228.1	215.6	206.3	196.6	190.1
75°	185.0	194.6	199.5	202.1	199.5	194.6	185.0	178.1	167.4	157.2	151.9
77.5°	142.7	151.4	154.3	155.7	154.3	151.4	142.7	134.5	126.4	119.0	113.8
80°	114.4	119.8	123.5	124.1	123.5	119.8	114.4	108.0	101.6	94.7	89.8
82.5°	87.9	92.4	93.6	95.0	93.6	92.4	87.9	82.3	76.8	71.5	67.6
85°	48.1	50.2	50.8	50.2	50.8	50.2	48.1	44.4	41.7	39.1	37.4
87.5°	21.1	20.8	21.0	22.0	21.0	20.8	21.1	20.0	20.3	19.2	18.1
90°	26.3	27.1	27.9	28.7	27.9	27.1	26.3	25.5	24.4	23.1	21.8
92.5°	54.7	55.2	55.8	56.4	55.8	55.2	54.7	54.0	52.9	51.1	49.4
95°	101.2	101.7	102.2	102.7	102.2	101.7	101.2	100.6	99.4	97.6	95.7
97.5°	154.9	155.2	155.5	155.8	155.5	155.2	154.9	154.6	153.4	151.7	150.0
100°	194.3	194.9	195.4	195.9	195.4	194.9	194.3	193.8	192.3	190.0	187.6
102.5°	233.9	234.6	235.4	236.1	235.4	234.6	233.9	233.1	231.4	228.9	226.2
105°	293.9	294.7	295.5	296.3	295.5	294.7	293.9	293.1	291.9	290.3	288.8
107.5°	358.1	358.1	358.0	357.9	358.0	358.1	358.1	358.1	357.7	357.0	356.2
110°	404.6	404.3	404.1	403.9	404.1	404.3	404.6	404.9	404.6	403.9	403.1



TEST NUMBER: P333455-927

CATALOG NUMBER: S125DIW-S1090D1560U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	450.2	449.7	449.2	448.8	449.2	449.7	450.2	450.7	450.7	450.4	450.0
115°	520.5	520.2	520.0	519.8	520.0	520.2	520.5	520.8	521.0	521.3	521.6
117.5°	592.2	591.1	590.1	589.0	590.1	591.1	592.2	593.3	593.7	593.5	593.3
120°	640.0	638.9	637.9	636.8	637.9	638.9	640.0	641.0	641.6	641.6	641.6
122.5°	687.1	686.3	685.4	684.6	685.4	686.3	687.1	688.0	688.5	688.7	689.0
125°	757.1	756.8	756.5	756.3	756.5	756.8	757.1	757.3	757.7	758.3	758.8
127.5°	826.6	826.2	825.6	825.1	825.6	826.2	826.6	827.2	827.6	827.9	828.1
130°	872.6	872.0	871.5	871.0	871.5	872.0	872.6	873.1	873.5	873.8	874.0
132.5°	916.2	915.4	914.7	913.9	914.7	915.4	916.2	917.0	917.4	917.7	918.0
135°	984.0	983.0	981.9	980.9	981.9	983.0	984.0	985.2	985.6	985.6	985.6
137.5°	1050.4	1049.0	1047.7	1046.3	1047.7	1049.0	1050.4	1051.7	1052.2	1051.9	1051.5
140°	1092.4	1091.1	1089.7	1088.4	1089.7	1091.1	1092.4	1093.7	1094.1	1093.6	1093.1
142.5°	1132.5	1131.2	1129.9	1128.5	1129.9	1131.2	1132.5	1133.9	1134.4	1134.0	1133.7
145°	1191.1	1190.3	1189.5	1188.7	1189.5	1190.3	1191.1	1191.9	1192.3	1192.3	1192.3
147.5°	1245.5	1243.7	1242.0	1240.2	1242.0	1243.7	1245.5	1247.4	1247.9	1247.3	1246.7
150°	1279.9	1279.5	1278.9	1278.3	1278.9	1279.5	1279.9	1280.5	1280.8	1280.8	1280.8
152.5°	1312.8	1311.9	1310.9	1310.0	1310.9	1311.9	1312.8	1313.8	1313.9	1313.3	1312.6
155°	1358.8	1357.5	1356.1	1354.9	1356.1	1357.5	1358.8	1360.2	1360.3	1359.2	1358.1
157.5°	1397.6	1395.8	1394.1	1392.3	1394.1	1395.8	1397.6	1399.4	1399.7	1398.7	1397.6
160°	1422.1	1420.8	1419.5	1418.2	1419.5	1420.8	1422.1	1423.5	1423.6	1422.5	1421.5
162.5°	1444.8	1443.2	1441.7	1440.1	1441.7	1443.2	1444.8	1446.3	1446.4	1445.2	1443.9
165°	1474.3	1472.7	1471.2	1469.5	1471.2	1472.7	1474.3	1475.9	1476.2	1475.1	1474.0
167.5°	1497.9	1496.3	1494.6	1492.9	1494.6	1496.3	1497.9	1499.5	1499.5	1497.9	1496.4
170°	1510.9	1509.1	1507.2	1505.4	1507.2	1509.1	1510.9	1512.8	1512.9	1511.3	1509.7
172.5°	1520.8	1519.2	1517.5	1515.9	1517.5	1519.2	1520.8	1522.5	1522.5	1520.9	1519.3
175°	1531.3	1529.4	1527.6	1525.7	1527.6	1529.4	1531.3	1533.1	1533.3	1531.7	1530.1
177.5°	1535.9	1534.4	1532.9	1531.4	1532.9	1534.4	1535.9	1537.4	1537.5	1536.2	1534.9
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



TEST NUMBER: P333455-927

CATALOG NUMBER: S125DIW-S1090D1560U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1204.5	1209.7	1216.1	1220.8	1229.3	1233.2	1237.9	1241.7	1248.6	1255.0	1262.7
5°	1123.4	1132.4	1144.8	1158.1	1173.6	1184.3	1199.3	1208.4	1226.5	1243.2	1259.2
7.5°	1049.8	1060.9	1078.3	1095.4	1115.8	1134.2	1152.9	1173.6	1196.8	1224.2	1246.9
10°	999.3	1014.3	1033.0	1054.4	1079.0	1100.3	1125.5	1148.0	1176.3	1208.4	1238.3
12.5°	959.1	971.9	992.8	1013.4	1039.7	1065.7	1091.7	1121.4	1154.5	1190.0	1227.6
15°	903.6	914.3	931.4	959.7	986.5	1012.2	1051.2	1079.0	1120.7	1160.2	1205.7
17.5°	856.3	869.5	883.9	908.2	935.9	968.0	1002.8	1037.7	1077.9	1128.1	1179.3
20°	827.1	837.8	854.4	873.1	902.5	934.6	967.8	1003.1	1052.3	1104.1	1159.2
22.5°	795.5	807.1	825.8	846.2	870.9	901.7	938.3	977.0	1028.3	1079.3	1139.1
25°	758.2	766.2	783.3	801.5	826.1	852.3	890.3	933.0	983.8	1042.1	1103.0
27.5°	723.0	730.1	745.7	761.5	783.7	814.8	848.7	892.0	939.8	998.9	1066.5
30°	697.8	705.3	719.1	736.3	757.6	784.9	819.7	860.3	911.6	969.4	1040.0
32.5°	676.0	682.5	693.1	710.2	731.1	757.6	789.7	831.2	882.6	941.1	1010.4
35°	642.1	649.7	657.7	671.1	689.2	714.9	750.2	789.2	838.4	895.1	958.7
37.5°	608.6	616.7	623.8	635.9	652.4	675.1	705.6	746.2	790.7	845.3	906.4
40°	587.6	594.1	599.9	612.8	629.3	650.7	679.1	715.4	762.5	813.3	864.0
42.5°	566.6	572.7	577.7	588.8	604.1	624.6	651.6	687.1	730.8	778.2	823.0
45°	533.6	537.3	543.2	552.9	565.1	583.8	610.1	641.6	678.5	723.4	757.1
47.5°	497.9	503.7	508.6	517.1	527.1	545.5	570.6	597.5	630.9	664.3	688.0
50°	470.6	476.4	483.4	491.4	501.0	518.1	541.1	568.4	596.7	622.3	642.7
52.5°	444.9	450.3	457.7	465.2	477.1	491.5	511.2	535.4	563.3	581.7	598.7
55°	406.9	409.6	418.1	425.6	436.8	447.5	467.3	488.7	505.8	519.8	533.6
57.5°	368.0	371.7	376.6	383.3	394.5	407.0	420.9	439.8	449.9	457.0	467.9
60°	343.3	344.4	347.5	355.5	364.1	375.3	391.4	404.7	412.3	418.1	427.2
62.5°	315.9	316.1	321.5	327.3	333.7	345.9	358.9	369.7	375.9	378.7	387.5
65°	277.5	276.4	279.6	284.5	291.9	299.9	311.2	320.8	320.3	323.4	328.8
67.5°	238.3	237.2	237.2	241.8	247.9	255.1	262.8	268.3	268.4	272.7	275.4
70°	211.8	208.5	210.6	214.4	217.1	223.0	231.6	233.7	234.2	236.3	239.0
72.5°	184.3	183.3	185.0	186.6	188.5	193.1	200.3	201.6	201.7	203.0	207.3
75°	146.5	145.4	144.3	146.0	148.1	151.3	154.0	156.1	155.6	156.1	159.3
77.5°	109.8	106.9	106.3	107.2	107.7	109.6	112.4	112.2	112.7	112.6	116.2
80°	87.1	82.9	82.3	82.3	82.9	84.0	85.0	86.1	84.4	86.1	87.1
82.5°	64.1	61.5	61.4	60.9	61.1	61.2	61.9	62.6	62.3	63.0	63.6
85°	35.3	34.2	32.6	33.7	33.1	31.5	32.6	31.0	30.5	31.0	31.5
87.5°	16.1	16.2	15.0	14.7	13.9	13.9	12.6	11.8	10.9	10.9	11.8
90°	20.4	19.1	17.3	15.4	13.5	11.6	9.7	7.6	5.5	3.3	1.2
92.5°	47.6	45.9	43.6	41.3	39.1	36.8	34.9	33.4	31.9	30.4	28.9
95°	93.9	92.0	89.4	86.7	84.1	81.4	79.8	79.2	78.7	78.2	77.6
97.5°	148.2	146.5	142.8	139.2	135.5	131.8	129.9	129.7	129.4	129.2	129.0
100°	185.2	182.8	179.4	175.9	172.5	169.0	167.2	167.2	167.2	167.2	167.2
102.5°	223.6	221.0	219.3	217.5	215.8	214.0	212.6	211.5	210.5	209.5	208.3
105°	287.2	285.6	283.9	282.3	280.7	279.2	277.7	276.4	275.0	273.7	272.4
107.5°	355.4	354.6	353.4	352.1	350.9	349.7	348.4	347.1	345.8	344.4	343.1
110°	402.2	401.4	400.6	399.8	399.0	398.2	397.2	395.9	394.5	393.2	391.9



TEST NUMBER: P333455-927

CATALOG NUMBER: S125DIW-S1090D1560U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	449.6	449.2	448.2	447.2	446.2	445.2	444.3	443.6	443.0	442.3	441.6
115°	521.8	522.1	521.6	521.0	520.5	520.0	519.2	518.1	517.1	516.0	514.9
117.5°	593.0	592.9	592.3	591.8	591.4	590.9	590.4	589.9	589.5	589.0	588.5
120°	641.6	641.6	641.3	641.0	640.8	640.5	639.7	638.4	637.1	635.7	634.4
122.5°	689.1	689.4	688.6	688.0	687.3	686.6	686.0	685.6	685.1	684.6	684.1
125°	759.3	759.9	759.6	759.3	759.1	758.8	757.9	756.3	754.7	753.0	751.5
127.5°	828.4	828.7	828.4	828.1	827.8	827.4	826.8	825.9	825.0	824.1	823.2
130°	874.3	874.6	874.0	873.5	873.0	872.4	871.5	870.1	868.9	867.5	866.2
132.5°	918.2	918.5	918.6	918.7	918.9	918.9	917.9	915.8	913.5	911.4	909.2
135°	985.6	985.6	985.4	985.2	984.8	984.6	983.7	982.1	980.5	978.9	977.3
137.5°	1051.2	1050.9	1050.3	1049.7	1049.2	1048.5	1047.5	1045.9	1044.4	1042.9	1041.3
140°	1092.5	1092.0	1091.2	1090.4	1089.6	1088.8	1087.7	1086.4	1085.1	1083.8	1082.4
142.5°	1133.4	1133.1	1132.1	1131.1	1130.0	1129.0	1128.0	1126.9	1125.8	1124.7	1123.6
145°	1192.3	1192.3	1191.5	1190.7	1189.9	1189.1	1188.3	1187.2	1186.1	1185.0	1184.0
147.5°	1246.0	1245.4	1244.8	1244.1	1243.5	1242.9	1242.2	1241.7	1241.0	1240.5	1239.9
150°	1280.8	1280.8	1279.7	1278.7	1277.6	1276.5	1276.1	1276.4	1276.7	1276.9	1277.2
152.5°	1312.0	1311.4	1310.9	1310.5	1310.1	1309.6	1309.2	1308.8	1308.5	1308.1	1307.7
155°	1357.1	1356.1	1355.7	1355.5	1355.3	1354.9	1354.9	1354.9	1354.9	1354.9	1354.9
157.5°	1396.5	1395.4	1395.2	1395.0	1394.6	1394.4	1394.6	1395.1	1395.7	1396.3	1396.9
160°	1420.4	1419.4	1419.1	1418.8	1418.6	1418.3	1418.6	1419.4	1420.1	1420.9	1421.7
162.5°	1442.6	1441.3	1441.3	1441.2	1441.1	1441.1	1441.4	1442.0	1442.6	1443.1	1443.8
165°	1473.0	1472.0	1471.6	1471.4	1471.2	1470.8	1471.0	1471.6	1472.0	1472.6	1473.1
167.5°	1494.8	1493.2	1493.2	1493.2	1493.2	1493.2	1493.7	1494.8	1495.9	1496.9	1497.9
170°	1508.2	1506.6	1506.6	1506.6	1506.6	1506.6	1507.1	1508.2	1509.2	1510.3	1511.3
172.5°	1517.7	1516.2	1516.2	1516.2	1516.2	1516.2	1516.6	1517.7	1518.8	1519.9	1520.9
175°	1528.4	1526.9	1526.9	1526.9	1526.9	1526.9	1527.4	1528.4	1529.5	1530.6	1531.7
177.5°	1533.7	1532.4	1532.6	1532.8	1533.0	1533.2	1533.7	1534.6	1535.5	1536.3	1537.2
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



TEST NUMBER: P333455-927

CATALOG NUMBER: S125DIW-S1090D1560U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1266.5	1272.6	1276.4	1283.7	1289.7	1293.1	1296.1	1298.6	1301.6	1304.2	1311.5
5°	1274.7	1288.6	1300.4	1318.5	1335.1	1348.0	1361.8	1374.1	1384.3	1398.8	1409.9
7.5°	1271.1	1295.9	1321.8	1349.9	1378.6	1405.3	1430.0	1452.9	1473.8	1499.0	1521.1
10°	1267.7	1301.4	1334.6	1372.5	1411.6	1444.7	1475.8	1507.3	1530.3	1562.3	1589.6
12.5°	1265.2	1304.8	1344.8	1390.5	1433.4	1480.2	1521.5	1544.5	1579.5	1605.1	1637.5
15°	1254.3	1306.8	1361.8	1413.2	1474.1	1517.4	1553.8	1598.7	1631.3	1663.9	1699.2
17.5°	1235.0	1294.3	1356.0	1423.2	1481.7	1528.2	1575.1	1618.3	1657.3	1701.1	1745.0
20°	1226.1	1285.4	1356.0	1424.9	1482.2	1530.8	1578.9	1626.5	1669.3	1725.5	1776.2
22.5°	1207.2	1279.0	1344.0	1411.3	1470.1	1523.1	1577.6	1631.7	1688.5	1751.9	1815.6
25°	1173.6	1246.3	1315.3	1381.6	1441.0	1507.3	1565.6	1637.8	1710.5	1794.4	1873.5
27.5°	1138.8	1208.4	1271.6	1335.6	1404.9	1479.9	1555.5	1637.4	1732.6	1838.6	1950.2
30°	1110.6	1176.3	1237.8	1303.5	1375.7	1460.2	1543.1	1640.4	1750.6	1869.8	2002.4
32.5°	1077.6	1138.2	1198.0	1267.7	1346.2	1435.4	1532.0	1638.7	1771.1	1906.5	2043.0
35°	1021.3	1072.1	1133.5	1207.8	1296.6	1398.8	1510.5	1636.6	1788.5	1944.1	2059.0
37.5°	954.4	1001.7	1066.5	1148.0	1241.0	1350.6	1483.2	1632.9	1794.2	1918.3	1955.3
40°	909.5	953.3	1020.7	1105.2	1200.4	1316.4	1461.8	1620.1	1776.2	1855.4	1824.9
42.5°	861.6	907.6	973.2	1056.9	1159.3	1285.6	1434.9	1593.2	1724.0	1754.0	1648.6
45°	786.0	833.5	898.3	982.8	1092.9	1229.8	1385.4	1529.2	1604.6	1550.6	1387.5
47.5°	715.7	760.3	820.3	907.4	1021.1	1162.7	1312.6	1427.3	1433.3	1304.4	1130.2
50°	667.8	709.0	769.4	856.6	969.4	1112.7	1247.9	1338.3	1297.7	1151.7	984.4
52.5°	620.8	661.1	720.6	806.9	918.5	1049.8	1175.7	1239.1	1162.5	1012.7	869.7
55°	552.9	588.1	646.4	726.1	831.9	953.9	1060.8	1082.8	983.3	835.7	719.7
57.5°	486.6	519.5	572.5	645.9	742.7	850.6	934.3	929.6	824.5	697.8	605.8
60°	441.6	473.7	520.8	592.4	680.6	773.7	845.3	828.2	724.0	614.9	537.3
62.5°	401.5	430.1	474.6	537.3	617.7	703.9	762.8	737.5	635.4	540.0	478.8
65°	342.2	366.2	404.3	457.7	524.5	595.6	641.1	608.5	521.3	447.0	397.8
67.5°	285.7	304.9	336.8	379.4	436.4	493.5	521.2	488.4	418.7	364.4	328.0
70°	249.7	266.8	291.4	329.4	379.1	427.2	448.1	418.7	358.8	312.3	286.1
72.5°	213.7	227.9	249.5	283.6	323.4	365.2	383.5	355.4	306.2	266.9	242.4
75°	165.2	174.8	189.8	213.3	244.9	278.1	288.2	263.6	232.0	202.6	186.6
77.5°	118.3	126.4	137.8	152.6	174.9	196.0	204.9	190.7	166.3	147.7	134.5
80°	90.9	95.1	104.8	117.1	134.8	148.1	154.0	144.9	127.8	113.9	103.7
82.5°	64.8	69.1	74.9	85.0	96.3	105.4	111.6	105.5	93.2	82.2	76.4
85°	31.5	34.2	37.4	41.7	50.2	55.6	55.1	51.3	46.5	42.2	39.1
87.5°	11.8	12.7	14.3	16.9	18.6	20.7	21.9	21.4	20.0	19.1	18.1
90°	3.3	5.5	7.6	9.7	11.6	13.5	15.4	17.3	19.1	20.4	21.8
92.5°	30.4	31.9	33.4	34.9	36.8	39.1	41.3	43.6	45.9	47.6	49.4
95°	78.2	78.7	79.2	79.8	81.4	84.1	86.7	89.4	92.0	93.9	95.7
97.5°	129.2	129.4	129.7	129.9	131.8	135.5	139.2	142.8	146.5	148.2	150.0
100°	167.2	167.2	167.2	167.2	169.0	172.5	175.9	179.4	182.8	185.2	187.6
102.5°	209.5	210.5	211.5	212.6	214.0	215.8	217.5	219.3	221.0	223.6	226.2
105°	273.7	275.0	276.4	277.7	279.2	280.7	282.3	283.9	285.6	287.2	288.8
107.5°	344.4	345.8	347.1	348.4	349.7	350.9	352.1	353.4	354.6	355.4	356.2
110°	393.2	394.5	395.9	397.2	398.2	399.0	399.8	400.6	401.4	402.2	403.1





TEST NUMBER: P333455-927

CATALOG NUMBER: S125DIW-S1090D1560U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	442.3	443.0	443.6	444.3	445.2	446.2	447.2	448.2	449.2	449.6	450.0
115°	516.0	517.1	518.1	519.2	520.0	520.5	521.0	521.6	522.1	521.8	521.6
117.5°	589.0	589.5	589.9	590.4	590.9	591.4	591.8	592.3	592.9	593.0	593.3
120°	635.7	637.1	638.4	639.7	640.5	640.8	641.0	641.3	641.6	641.6	641.6
122.5°	684.6	685.1	685.6	686.0	686.6	687.3	688.0	688.6	689.4	689.1	689.0
125°	753.0	754.7	756.3	757.9	758.8	759.1	759.3	759.6	759.9	759.3	758.8
127.5°	824.1	825.0	825.9	826.8	827.4	827.8	828.1	828.4	828.7	828.4	828.1
130°	867.5	868.9	870.1	871.5	872.4	873.0	873.5	874.0	874.6	874.3	874.0
132.5°	911.4	913.5	915.8	917.9	918.9	918.9	918.7	918.6	918.5	918.2	918.0
135°	978.9	980.5	982.1	983.7	984.6	984.8	985.2	985.4	985.6	985.6	985.6
137.5°	1042.9	1044.4	1045.9	1047.5	1048.5	1049.2	1049.7	1050.3	1050.9	1051.2	1051.5
140°	1083.8	1085.1	1086.4	1087.7	1088.8	1089.6	1090.4	1091.2	1092.0	1092.5	1093.1
142.5°	1124.7	1125.8	1126.9	1128.0	1129.0	1130.0	1131.1	1132.1	1133.1	1133.4	1133.7
145°	1185.0	1186.1	1187.2	1188.3	1189.1	1189.9	1190.7	1191.5	1192.3	1192.3	1192.3
147.5°	1240.5	1241.0	1241.7	1242.2	1242.9	1243.5	1244.1	1244.8	1245.4	1246.0	1246.7
150°	1276.9	1276.7	1276.4	1276.1	1276.5	1277.6	1278.7	1279.7	1280.8	1280.8	1280.8
152.5°	1308.1	1308.5	1308.8	1309.2	1309.6	1310.1	1310.5	1310.9	1311.4	1312.0	1312.6
155°	1354.9	1354.9	1354.9	1354.9	1354.9	1355.3	1355.5	1355.7	1356.1	1357.1	1358.1
157.5°	1396.3	1395.7	1395.1	1394.6	1394.4	1394.6	1395.0	1395.2	1395.4	1396.5	1397.6
160°	1420.9	1420.1	1419.4	1418.6	1418.3	1418.6	1418.8	1419.1	1419.4	1420.4	1421.5
162.5°	1443.1	1442.6	1442.0	1441.4	1441.1	1441.1	1441.2	1441.3	1441.3	1442.6	1443.9
165°	1472.6	1472.0	1471.6	1471.0	1470.8	1471.2	1471.4	1471.6	1472.0	1473.0	1474.0
167.5°	1496.9	1495.9	1494.8	1493.7	1493.2	1493.2	1493.2	1493.2	1493.2	1494.8	1496.4
170°	1510.3	1509.2	1508.2	1507.1	1506.6	1506.6	1506.6	1506.6	1506.6	1508.2	1509.7
172.5°	1519.9	1518.8	1517.7	1516.6	1516.2	1516.2	1516.2	1516.2	1516.2	1517.7	1519.3
175°	1530.6	1529.5	1528.4	1527.4	1526.9	1526.9	1526.9	1526.9	1526.9	1528.4	1530.1
177.5°	1536.3	1535.5	1534.6	1533.7	1533.2	1533.0	1532.8	1532.6	1532.4	1533.7	1534.9
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



TEST NUMBER: P333455-927

CATALOG NUMBER: S125DIW-S1090D1560U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1317.5	1320.9	1328.2	1325.6	1329.0	1330.7	1332.5
5°	1423.9	1441.0	1448.4	1447.4	1458.6	1456.0	1453.3
7.5°	1544.0	1562.0	1572.1	1584.6	1591.9	1592.4	1598.7
10°	1612.1	1635.6	1645.2	1658.6	1667.1	1672.0	1671.4
12.5°	1664.3	1682.7	1704.2	1710.8	1722.4	1728.4	1726.2
15°	1727.0	1756.4	1778.9	1790.1	1804.6	1808.9	1814.7
17.5°	1783.0	1822.5	1848.7	1883.6	1896.7	1904.7	1900.0
20°	1825.4	1877.3	1903.5	1945.2	1968.2	1980.5	1976.2
22.5°	1875.5	1931.6	1980.1	2016.2	2051.1	2067.8	2071.2
25°	1961.2	2038.2	2109.3	2157.0	2200.2	2210.3	2232.8
27.5°	2057.1	2147.8	2223.9	2273.9	2304.1	2315.4	2322.4
30°	2117.3	2207.7	2264.9	2297.0	2306.6	2305.6	2304.5
32.5°	2146.9	2203.5	2214.5	2205.4	2183.4	2164.8	2145.4
35°	2105.1	2062.8	1999.7	1918.4	1858.5	1798.2	1792.2
37.5°	1893.2	1758.2	1653.1	1535.8	1468.2	1426.3	1397.5
40°	1693.8	1540.4	1413.2	1314.2	1245.3	1218.0	1191.3
42.5°	1477.4	1330.9	1218.1	1135.4	1083.6	1053.4	1032.1
45°	1200.4	1071.0	982.8	922.9	881.7	858.2	844.8
47.5°	983.6	887.9	812.9	769.8	741.3	723.0	723.1
50°	867.3	775.9	726.1	691.9	667.3	652.8	655.5
52.5°	764.1	695.9	653.4	624.7	606.6	597.7	597.4
55°	639.0	589.8	562.0	541.1	528.8	518.6	520.8
57.5°	546.5	505.1	486.5	469.1	460.6	456.5	450.6
60°	489.3	457.2	441.1	427.2	418.7	415.4	409.6
62.5°	438.3	413.1	397.5	386.1	378.4	377.4	372.8
65°	368.4	349.1	335.3	329.9	321.9	319.7	319.7
67.5°	303.7	289.9	279.1	274.2	270.7	271.2	268.6
70°	263.1	251.8	244.9	239.6	236.9	237.4	235.3
72.5°	230.1	217.6	211.5	208.3	204.8	206.2	205.3
75°	174.3	167.9	164.7	161.4	159.3	158.3	157.2
77.5°	128.0	122.3	119.9	118.0	118.4	115.8	117.9
80°	98.9	94.1	92.5	89.8	89.3	89.3	88.7
82.5°	72.4	69.7	68.5	66.3	65.4	66.2	64.8
85°	37.4	35.3	34.8	34.8	33.7	32.6	35.3
87.5°	18.3	16.9	17.1	16.8	17.0	16.7	16.0
90°	23.1	24.4	25.5	26.3	27.1	27.9	28.7
92.5°	51.1	52.9	54.0	54.7	55.2	55.8	56.4
95°	97.6	99.4	100.6	101.2	101.7	102.2	102.7
97.5°	151.7	153.4	154.6	154.9	155.2	155.5	155.8
100°	190.0	192.3	193.8	194.3	194.9	195.4	195.9
102.5°	228.9	231.4	233.1	233.9	234.6	235.4	236.1
105°	290.3	291.9	293.1	293.9	294.7	295.5	296.3
107.5°	357.0	357.7	358.1	358.1	358.1	358.0	357.9
110°	403.9	404.6	404.9	404.6	404.3	404.1	403.9



TEST NUMBER: P333455-927

CATALOG NUMBER: S125DIW-S1090D1560U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	450.4	450.7	450.7	450.2	449.7	449.2	448.8
115°	521.3	521.0	520.8	520.5	520.2	520.0	519.8
117.5°	593.5	593.7	593.3	592.2	591.1	590.1	589.0
120°	641.6	641.6	641.0	640.0	638.9	637.9	636.8
122.5°	688.7	688.5	688.0	687.1	686.3	685.4	684.6
125°	758.3	757.7	757.3	757.1	756.8	756.5	756.3
127.5°	827.9	827.6	827.2	826.6	826.2	825.6	825.1
130°	873.8	873.5	873.1	872.6	872.0	871.5	871.0
132.5°	917.7	917.4	917.0	916.2	915.4	914.7	913.9
135°	985.6	985.6	985.2	984.0	983.0	981.9	980.9
137.5°	1051.9	1052.2	1051.7	1050.4	1049.0	1047.7	1046.3
140°	1093.6	1094.1	1093.7	1092.4	1091.1	1089.7	1088.4
142.5°	1134.0	1134.4	1133.9	1132.5	1131.2	1129.9	1128.5
145°	1192.3	1192.3	1191.9	1191.1	1190.3	1189.5	1188.7
147.5°	1247.3	1247.9	1247.4	1245.5	1243.7	1242.0	1240.2
150°	1280.8	1280.8	1280.5	1279.9	1279.5	1278.9	1278.3
152.5°	1313.3	1313.9	1313.8	1312.8	1311.9	1310.9	1310.0
155°	1359.2	1360.3	1360.2	1358.8	1357.5	1356.1	1354.9
157.5°	1398.7	1399.7	1399.4	1397.6	1395.8	1394.1	1392.3
160°	1422.5	1423.6	1423.5	1422.1	1420.8	1419.5	1418.2
162.5°	1445.2	1446.4	1446.3	1444.8	1443.2	1441.7	1440.1
165°	1475.1	1476.2	1475.9	1474.3	1472.7	1471.2	1469.5
167.5°	1497.9	1499.5	1499.5	1497.9	1496.3	1494.6	1492.9
170°	1511.3	1512.9	1512.8	1510.9	1509.1	1507.2	1505.4
172.5°	1520.9	1522.5	1522.5	1520.8	1519.2	1517.5	1515.9
175°	1531.7	1533.3	1533.1	1531.3	1529.4	1527.6	1525.7
177.5°	1536.2	1537.5	1537.4	1535.9	1534.4	1532.9	1531.4
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2

(END OF REPORT)