

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: P333478-927

Luminaire Tested: **S125DIW-S1270D1340U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333478-927  
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: S125DIW-S1270D1340U927-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1340 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8357.2 lumens  
Efficiency: N/A  
Efficacy: 109.7 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

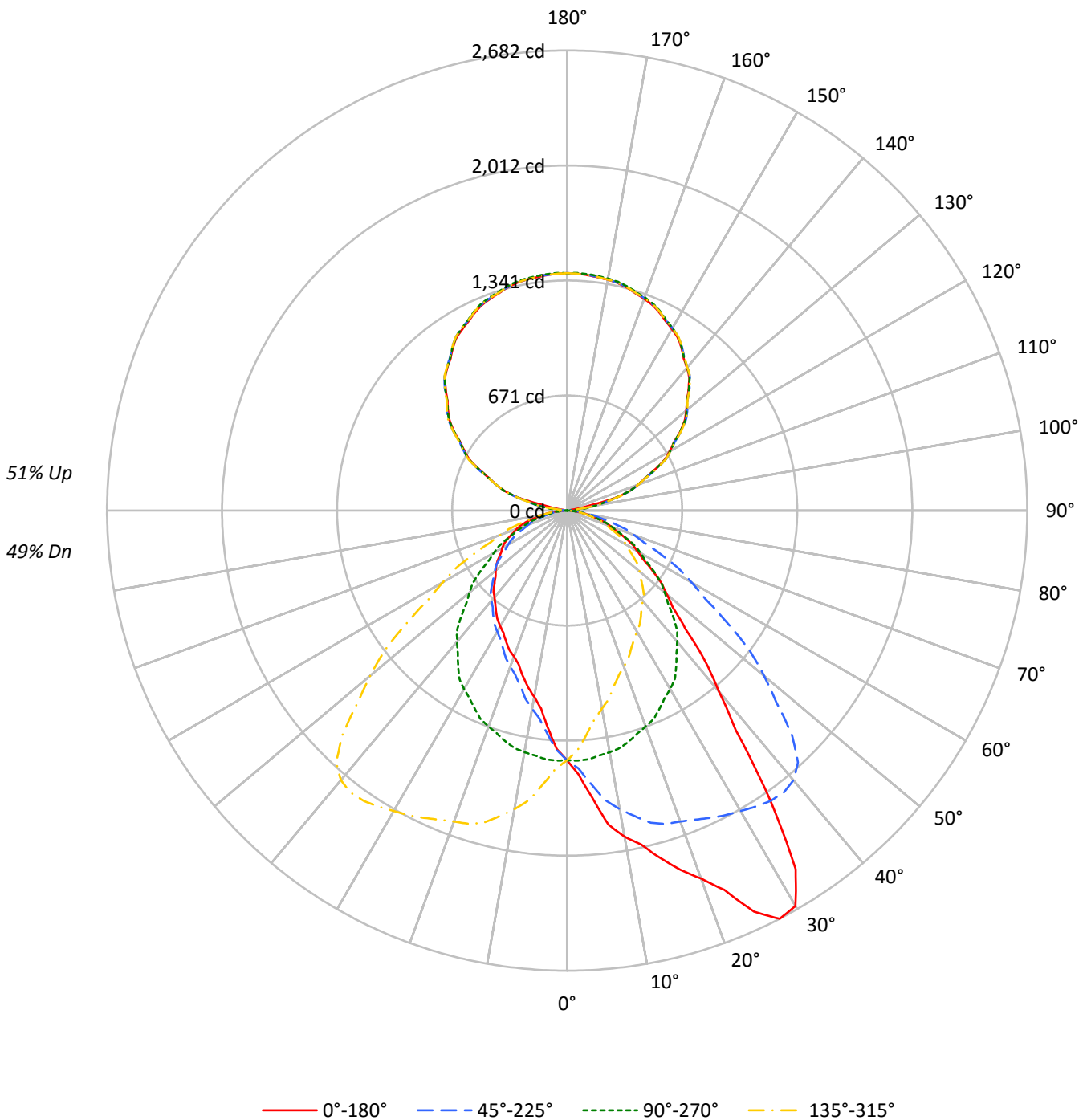
Input Watts (W): 76.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot



51% Up

49% Dn



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	55	55	55	49
1	98	94	90	86	90	86	83	80	73	71	69	61	59	58	49	48	47	42
2	89	82	76	71	82	76	71	66	64	60	57	53	51	48	44	42	40	35
3	82	72	65	59	75	67	61	55	57	52	48	47	44	41	39	36	34	30
4	75	64	56	50	69	59	52	47	51	45	41	42	38	35	35	32	30	26
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	31	28	26	23
6	63	51	43	37	58	48	40	35	41	35	31	34	30	27	28	25	23	20
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	18
8	54	42	34	29	50	39	32	27	34	28	24	29	24	21	24	21	18	16
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	19	16	14
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	20	17	15	13

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

	0°	90°	180°	270°
0°	9396	9396	9396	9396
5°	10881	9428	8255	9428
10°	12660	9379	7233	9379
15°	14014	9310	6672	9310
20°	15687	9201	6222	9201
25°	18377	9079	6002	9079
30°	19848	8957	5812	8957
35°	16320	8729	5687	8729
40°	11600	8413	5550	8413
45°	8912	7986	5471	7986
50°	7607	7458	5460	7458
55°	6773	6939	5507	6939
60°	6110	6373	5647	6373
65°	5644	5804	5793	5804
70°	5130	5212	5876	5212
75°	4531	4591	5827	4591
80°	3812	3745	5326	3745
85°	3016	2697	4305	2697



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.1	1.7
10°-20°	417.0	5.0
20°-30°	677.1	8.1
30°-40°	826.0	9.9
40°-50°	751.4	9.0
50°-60°	598.5	7.2
60°-70°	416.9	5.0
70°-80°	222.3	2.7
80°-90°	59.0	0.7
90°-100°	50.3	0.6
100°-110°	309.9	3.7
110°-120°	562.0	6.7
120°-130°	721.3	8.6
130°-140°	775.8	9.3
140°-150°	728.2	8.7
150°-160°	589.1	7.0
160°-170°	381.0	4.6
170°-180°	131.4	1.6
0°-30°	1234.2	14.8
0°-40°	2060.2	24.7
0°-60°	3410.1	40.8
0°-90°	4108.3	49.2
90°-120°	922.2	11.0
90°-150°	3147.5	37.7
90°-180°	4249.0	50.8
0°-180°	8357.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1455	1455	1455	1455	1455	
5°	1678	1454	1273	1454	1678	169
15°	2096	1392	998	1392	2096	600
25°	2579	1274	842	1274	2579	1178
35°	2070	1107	721	1107	2070	1267
45°	976	874	599	874	976	781
55°	602	616	489	616	602	542
65°	369	380	379	380	369	367
75°	182	184	234	184	182	196
85°	41	36	58	36	41	48
90°	25	1	25	1	25	12
95°	22	58	22	58	22	18
105°	305	302	305	302	305	275
115°	562	566	562	566	562	558
125°	805	805	805	805	805	716
135°	1000	1004	1000	1004	1000	772
145°	1161	1164	1161	1164	1161	725
155°	1273	1282	1273	1282	1273	587
165°	1346	1353	1346	1353	1346	380
175°	1377	1384	1377	1384	1377	131
180°	1384	1384	1384	1384	1384	



TEST NUMBER: P333478-927

CATALOG NUMBER: S125DIW-S1270D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1538.9	1536.9	1534.9	1531.0	1533.9	1525.5	1521.5	1514.7	1506.3	1503.3	1499.8
5°	1678.4	1681.5	1684.6	1671.7	1672.9	1664.2	1644.5	1628.4	1615.4	1598.8	1587.1
7.5°	1846.4	1839.1	1838.5	1830.1	1815.7	1804.0	1783.3	1756.8	1731.3	1702.2	1678.1
10°	1930.4	1931.0	1925.5	1915.6	1900.1	1889.0	1861.9	1835.9	1804.4	1767.4	1740.8
12.5°	1993.6	1996.2	1989.2	1975.9	1968.3	1943.4	1922.1	1891.3	1853.8	1824.2	1783.8
15°	2095.9	2089.1	2084.2	2067.4	2054.5	2028.5	1994.6	1962.5	1921.8	1884.0	1846.4
17.5°	2194.4	2199.9	2190.6	2175.4	2135.2	2104.9	2059.4	2015.3	1964.6	1914.1	1869.2
20°	2282.4	2287.3	2273.1	2246.5	2198.4	2168.1	2108.2	2051.4	1992.7	1927.9	1878.5
22.5°	2392.1	2388.1	2368.9	2328.5	2286.8	2230.9	2166.1	2096.8	2023.4	1950.1	1884.4
25°	2578.8	2552.8	2541.1	2491.1	2436.1	2354.0	2265.1	2163.8	2072.4	1975.5	1891.5
27.5°	2682.3	2674.1	2661.0	2626.2	2568.4	2480.6	2375.8	2252.3	2123.4	2001.1	1891.1
30°	2661.5	2662.8	2664.0	2652.9	2615.9	2549.7	2445.4	2312.6	2159.5	2021.8	1894.6
32.5°	2477.8	2500.2	2521.8	2547.2	2557.6	2544.8	2479.5	2359.6	2201.9	2045.5	1892.6
35°	2070.0	2076.7	2146.5	2215.7	2309.5	2382.4	2431.2	2378.1	2245.3	2065.6	1890.2
37.5°	1614.0	1647.3	1695.6	1773.8	1909.2	2030.5	2186.5	2258.3	2215.4	2072.2	1885.9
40°	1375.9	1406.8	1438.2	1517.9	1632.1	1779.1	1956.3	2107.6	2142.8	2051.4	1871.1
42.5°	1192.1	1216.6	1251.5	1311.4	1406.8	1537.0	1706.4	1904.1	2025.7	1991.2	1840.0
45°	975.7	991.1	1018.3	1065.9	1135.0	1236.9	1386.3	1602.5	1790.8	1853.2	1766.1
47.5°	835.1	835.0	856.1	889.0	938.9	1025.5	1136.0	1305.4	1506.5	1655.3	1648.5
50°	757.1	754.0	770.6	799.1	838.6	896.0	1001.6	1136.9	1330.2	1498.7	1545.6
52.5°	689.9	690.2	700.5	721.5	754.6	803.7	882.6	1004.5	1169.6	1342.6	1431.1
55°	601.5	599.0	610.7	625.0	649.0	681.1	737.9	831.2	965.2	1135.6	1250.5
57.5°	520.5	527.3	532.0	541.9	561.8	583.3	631.2	699.7	806.0	952.2	1073.6
60°	473.0	479.8	483.5	493.4	509.5	528.0	565.1	620.6	710.2	836.1	956.6
62.5°	430.6	435.9	437.0	446.0	459.1	477.1	506.3	552.9	623.7	733.9	851.8
65°	369.3	369.3	371.8	381.0	387.2	403.2	425.5	459.5	516.3	602.1	702.7
67.5°	310.2	313.2	312.6	316.6	322.3	334.9	350.8	378.8	420.9	483.5	564.0
70°	271.7	274.2	273.5	276.6	282.8	290.9	303.8	330.3	360.6	414.4	483.5
72.5°	237.1	238.1	236.5	240.6	244.3	251.4	265.8	280.0	308.2	353.6	410.4
75°	181.6	182.8	184.0	186.5	190.2	193.9	201.3	215.6	234.0	268.0	304.4
77.5°	136.1	133.7	136.7	136.3	138.5	141.3	147.8	155.3	170.6	192.0	220.2
80°	102.5	103.1	103.1	103.8	106.9	108.7	114.2	119.8	131.5	147.6	167.4
82.5°	74.9	76.4	75.5	76.6	79.1	80.5	83.6	88.2	95.0	107.6	121.9
85°	40.7	37.7	38.9	40.2	40.2	40.7	43.3	45.1	48.8	53.7	59.3
87.5°	16.8	17.7	18.0	17.8	18.2	18.1	19.8	19.6	20.8	22.0	23.7
90°	24.6	23.9	23.2	22.6	21.9	21.0	19.8	18.7	17.6	16.4	14.8
92.5°	23.0	22.7	22.3	22.0	21.7	21.0	19.8	18.7	17.6	16.4	15.0
95°	21.5	21.5	21.5	21.5	21.5	21.0	19.8	18.7	17.6	16.4	25.0
97.5°	21.5	21.5	21.5	21.5	21.5	24.7	31.2	37.6	44.0	50.5	67.6
100°	21.5	22.4	23.4	24.2	25.2	42.6	76.6	110.5	144.5	178.5	177.5
102.5°	129.0	144.5	160.0	175.5	191.0	202.0	208.4	214.8	221.3	227.7	227.1
105°	304.6	304.8	305.1	305.3	305.5	305.6	305.6	305.6	305.6	305.6	305.6
107.5°	384.0	384.7	385.4	386.0	386.7	387.1	387.1	387.0	386.9	386.9	386.4
110°	439.0	438.8	438.6	438.3	438.1	438.3	439.0	439.7	440.4	441.0	440.6



TEST NUMBER: P333478-927

CATALOG NUMBER: S125DIW-S1270D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	488.2	488.5	488.9	489.2	489.5	490.1	491.0	491.8	492.7	493.5	493.3
115°	562.1	563.4	564.8	566.2	567.5	568.7	569.6	570.5	571.4	572.4	572.1
117.5°	640.9	641.4	642.1	642.6	643.2	644.1	645.3	646.5	647.7	648.9	648.0
120°	689.3	690.4	691.5	692.7	693.8	694.6	695.1	695.5	696.0	696.4	695.8
122.5°	735.2	736.5	737.8	739.2	740.5	741.4	741.8	742.3	742.8	743.2	742.9
125°	805.2	805.8	806.5	807.2	807.9	808.7	809.6	810.5	811.4	812.3	812.3
127.5°	864.0	865.7	867.4	869.1	870.8	871.9	872.4	872.9	873.4	873.9	874.0
130°	906.7	907.8	908.9	910.1	911.2	912.2	912.8	913.5	914.3	914.9	914.7
132.5°	946.1	947.2	948.4	949.5	950.6	951.3	951.4	951.6	951.7	951.8	952.4
135°	1000.1	1001.4	1002.7	1004.2	1005.5	1006.4	1006.9	1007.3	1007.8	1008.2	1008.7
137.5°	1054.2	1055.3	1056.5	1057.7	1058.9	1059.5	1059.4	1059.3	1059.2	1059.1	1059.5
140°	1086.2	1087.6	1088.9	1090.3	1091.6	1092.1	1091.6	1091.2	1090.8	1090.3	1090.5
142.5°	1116.6	1117.9	1119.3	1120.6	1122.0	1122.7	1122.6	1122.4	1122.4	1122.3	1122.0
145°	1161.1	1162.4	1163.8	1165.1	1166.6	1167.1	1166.9	1166.6	1166.4	1166.2	1166.2
147.5°	1197.8	1199.4	1201.0	1202.7	1204.4	1205.1	1204.8	1204.5	1204.2	1204.0	1203.6
150°	1221.5	1223.4	1225.2	1227.0	1228.8	1229.5	1229.1	1228.7	1228.2	1227.7	1227.2
152.5°	1243.7	1245.4	1247.1	1248.6	1250.3	1250.9	1250.5	1250.0	1249.5	1249.0	1248.6
155°	1272.9	1274.7	1276.5	1278.3	1280.2	1280.7	1280.0	1279.4	1278.7	1278.0	1277.6
157.5°	1297.3	1299.1	1300.9	1302.7	1304.6	1305.1	1304.4	1303.7	1302.9	1302.2	1302.2
160°	1312.9	1314.7	1316.5	1318.3	1320.2	1320.6	1319.7	1318.8	1317.9	1317.0	1316.8
162.5°	1326.8	1328.8	1330.8	1332.8	1334.8	1335.2	1334.0	1332.6	1331.3	1330.1	1329.8
165°	1345.7	1347.5	1349.3	1351.1	1353.0	1353.2	1351.9	1350.4	1349.1	1347.7	1347.5
167.5°	1358.8	1360.9	1362.9	1364.9	1367.0	1367.2	1365.6	1364.0	1362.3	1360.7	1360.4
170°	1366.2	1368.3	1370.3	1372.4	1374.4	1374.5	1372.7	1370.9	1369.0	1367.2	1367.0
172.5°	1371.1	1373.2	1375.2	1377.3	1379.3	1379.5	1377.9	1376.3	1374.6	1372.9	1372.5
175°	1377.4	1379.5	1381.6	1383.6	1385.7	1385.8	1383.9	1382.1	1380.3	1378.5	1378.3
177.5°	1381.2	1382.6	1384.1	1385.5	1387.0	1387.1	1385.8	1384.6	1383.3	1382.0	1381.8
180°	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6



TEST NUMBER: P333478-927

CATALOG NUMBER: S125DIW-S1270D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1496.9	1493.4	1489.5	1482.6	1474.2	1469.7	1462.8	1458.3	1449.5	1442.0	1434.2
5°	1572.8	1556.8	1542.0	1522.8	1501.8	1488.2	1472.2	1454.3	1435.8	1416.6	1395.6
7.5°	1651.5	1623.1	1592.2	1559.0	1526.5	1496.6	1468.1	1440.0	1413.9	1382.3	1355.5
10°	1704.4	1668.6	1630.2	1585.2	1541.3	1503.1	1464.1	1430.2	1395.6	1358.5	1325.8
12.5°	1757.2	1709.5	1655.4	1605.9	1553.2	1507.0	1461.2	1417.8	1374.4	1333.3	1295.2
15°	1794.5	1752.5	1702.5	1632.1	1572.8	1509.3	1448.7	1392.5	1340.1	1294.3	1246.2
17.5°	1819.1	1765.0	1711.3	1643.7	1566.1	1494.9	1426.3	1362.0	1302.8	1244.9	1198.5
20°	1823.5	1768.0	1711.7	1645.7	1566.1	1484.5	1415.9	1338.8	1275.2	1215.3	1158.5
22.5°	1822.1	1759.0	1698.0	1629.9	1552.2	1477.1	1394.2	1315.6	1246.5	1187.6	1128.3
25°	1808.1	1740.8	1664.2	1595.7	1519.1	1439.5	1355.5	1274.0	1203.6	1136.2	1077.6
27.5°	1796.5	1709.2	1622.5	1542.5	1468.6	1395.6	1315.2	1231.7	1153.7	1085.4	1030.2
30°	1782.2	1686.5	1588.9	1505.5	1429.6	1358.5	1282.6	1201.1	1119.6	1052.9	993.6
32.5°	1769.3	1657.8	1554.8	1464.0	1383.6	1314.5	1244.5	1167.0	1087.0	1019.3	960.0
35°	1744.5	1615.4	1497.5	1395.0	1309.2	1238.1	1179.5	1107.2	1033.7	968.3	911.5
37.5°	1713.0	1559.9	1433.3	1325.8	1231.7	1156.9	1102.2	1046.8	976.3	913.2	861.8
40°	1688.3	1520.4	1386.3	1276.4	1178.8	1101.1	1050.4	997.9	939.3	880.6	826.2
42.5°	1657.2	1484.8	1338.9	1220.6	1124.0	1048.2	995.1	950.5	898.7	844.1	793.6
45°	1600.0	1420.3	1262.2	1135.0	1037.4	962.7	907.8	874.4	835.5	783.6	741.0
47.5°	1515.9	1342.8	1179.3	1048.1	947.4	878.1	826.6	794.6	767.2	728.6	690.0
50°	1441.3	1285.1	1119.6	989.3	888.6	818.8	771.3	742.3	718.8	689.1	656.4
52.5°	1357.8	1212.4	1060.8	932.0	832.3	763.5	716.9	691.4	671.8	650.6	618.4
55°	1225.2	1101.7	960.8	838.6	746.6	679.3	638.5	616.3	600.2	584.2	564.4
57.5°	1079.0	982.5	857.8	746.0	661.2	600.0	562.0	540.3	527.8	519.6	507.9
60°	976.3	893.6	786.1	684.2	601.5	547.2	510.1	493.4	482.9	476.1	467.5
62.5°	881.0	813.0	713.5	620.5	548.1	496.7	463.7	447.4	437.4	434.1	427.0
65°	740.4	687.9	605.8	528.6	466.8	423.0	395.2	379.8	373.6	369.9	370.5
67.5°	602.0	570.0	504.0	438.2	388.9	352.1	329.9	318.1	315.0	310.0	309.9
70°	517.5	493.4	437.8	380.4	336.5	308.2	288.4	276.0	272.9	270.5	269.9
72.5°	442.9	421.8	373.6	327.6	288.1	263.2	246.9	239.5	234.4	232.9	232.8
75°	332.9	321.2	282.8	246.4	219.2	201.9	190.8	184.0	180.3	179.7	180.3
77.5°	236.6	226.4	202.1	176.3	159.1	146.0	136.6	134.3	130.1	130.2	129.5
80°	177.8	171.0	155.6	135.2	121.0	110.0	105.0	100.7	99.4	97.6	99.4
82.5°	129.0	121.7	111.1	98.2	86.4	79.8	74.9	73.5	72.7	71.9	72.2
85°	63.6	64.2	58.1	48.2	43.3	39.5	36.4	36.4	35.8	35.2	35.8
87.5°	24.4	23.1	20.8	18.9	16.1	14.3	13.4	13.5	12.4	12.3	13.2
90°	13.2	11.6	10.1	8.3	6.5	4.7	2.9	1.0	2.9	4.7	6.5
92.5°	13.5	12.2	10.8	10.7	12.0	13.2	14.5	15.8	14.5	13.2	12.0
95°	33.7	42.4	51.0	55.7	56.4	57.1	57.8	58.5	57.8	57.1	56.4
97.5°	84.8	101.9	119.0	127.0	125.7	124.5	123.3	122.1	123.3	124.5	125.7
100°	176.7	175.7	174.8	174.0	173.3	172.6	172.0	171.3	172.0	172.6	173.3
102.5°	226.6	226.1	225.5	224.8	223.9	223.1	222.2	221.3	222.2	223.1	223.9
105°	305.6	305.6	305.6	305.2	304.3	303.4	302.5	301.6	302.5	303.4	304.3
107.5°	386.0	385.6	385.1	384.8	384.8	384.8	384.8	384.8	384.8	384.8	384.8
110°	440.1	439.7	439.2	439.0	439.0	439.0	439.0	439.0	439.0	439.0	439.0





TEST NUMBER: P333478-927

CATALOG NUMBER: S125DIW-S1270D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	493.0	492.7	492.5	492.0	491.5	491.0	490.4	489.9	490.4	491.0	491.5
115°	571.9	571.6	571.4	570.8	569.6	568.5	567.3	566.2	567.3	568.5	569.6
117.5°	647.1	646.3	645.4	645.0	645.0	645.1	645.1	645.2	645.1	645.1	645.0
120°	695.1	694.3	693.7	693.5	693.7	694.0	694.2	694.3	694.2	694.0	693.7
122.5°	742.6	742.3	742.0	741.3	740.5	739.6	738.7	737.8	738.7	739.6	740.5
125°	812.3	812.3	812.3	811.5	809.9	808.3	806.8	805.2	806.8	808.3	809.9
127.5°	874.2	874.3	874.4	873.9	872.7	871.6	870.5	869.3	870.5	871.6	872.7
130°	914.4	914.3	914.0	913.3	912.2	911.0	909.9	908.7	909.9	911.0	912.2
132.5°	952.8	953.3	953.9	953.4	952.1	950.8	949.4	948.2	949.4	950.8	952.1
135°	1009.2	1009.6	1010.0	1009.6	1008.2	1006.9	1005.5	1004.2	1005.5	1006.9	1008.2
137.5°	1059.9	1060.3	1060.7	1060.3	1059.1	1058.0	1056.8	1055.7	1056.8	1058.0	1059.1
140°	1090.8	1091.0	1091.2	1091.1	1090.6	1090.2	1089.7	1089.3	1089.7	1090.2	1090.6
142.5°	1121.7	1121.3	1121.0	1120.7	1120.5	1120.1	1119.9	1119.6	1119.9	1120.1	1120.5
145°	1166.2	1166.2	1166.2	1165.9	1165.5	1165.1	1164.6	1164.1	1164.6	1165.1	1165.5
147.5°	1203.4	1203.1	1202.8	1202.8	1202.8	1202.9	1203.0	1203.1	1203.0	1202.9	1202.8
150°	1226.9	1226.4	1225.9	1225.9	1226.4	1226.9	1227.2	1227.7	1227.2	1226.9	1226.4
152.5°	1248.2	1247.7	1247.2	1247.5	1248.6	1249.5	1250.5	1251.5	1250.5	1249.5	1248.6
155°	1277.1	1276.6	1276.2	1276.6	1278.0	1279.4	1280.7	1282.1	1280.7	1279.4	1278.0
157.5°	1302.1	1302.0	1302.0	1302.4	1303.2	1304.0	1304.9	1305.7	1304.9	1304.0	1303.2
160°	1316.5	1316.3	1316.1	1316.6	1318.0	1319.4	1320.7	1322.1	1320.7	1319.4	1318.0
162.5°	1329.7	1329.4	1329.2	1329.8	1331.1	1332.5	1333.9	1335.2	1333.9	1332.5	1331.1
165°	1347.3	1347.0	1346.8	1347.4	1348.8	1350.1	1351.5	1352.9	1351.5	1350.1	1348.8
167.5°	1360.2	1359.9	1359.8	1360.3	1361.8	1363.2	1364.6	1366.0	1364.6	1363.2	1361.8
170°	1366.8	1366.5	1366.3	1367.0	1368.6	1370.2	1371.8	1373.4	1371.8	1370.2	1368.6
172.5°	1372.1	1371.7	1371.3	1371.9	1373.5	1375.1	1376.7	1378.3	1376.7	1375.1	1373.5
175°	1378.1	1377.8	1377.6	1378.2	1379.5	1380.9	1382.3	1383.6	1382.3	1380.9	1379.5
177.5°	1381.6	1381.5	1381.2	1381.7	1382.8	1383.9	1385.0	1386.1	1385.0	1383.9	1382.8
180°	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6



TEST NUMBER: P333478-927

CATALOG NUMBER: S125DIW-S1270D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1429.7	1424.3	1419.8	1409.9	1404.5	1397.1	1391.2	1397.6	1390.7	1393.6	1389.2
5°	1385.1	1367.8	1355.5	1337.5	1322.2	1307.9	1297.4	1295.5	1290.6	1288.2	1280.7
7.5°	1331.5	1309.9	1288.6	1265.2	1245.4	1225.3	1212.4	1201.8	1194.8	1185.5	1179.2
10°	1299.9	1270.9	1246.2	1217.7	1193.0	1171.5	1154.1	1145.5	1137.5	1125.8	1121.4
12.5°	1260.8	1230.8	1200.7	1170.4	1146.6	1122.5	1107.7	1094.6	1089.1	1075.9	1074.5
15°	1214.0	1168.9	1139.3	1108.4	1075.7	1056.0	1043.6	1029.4	1023.3	1014.0	1007.2
17.5°	1158.2	1117.9	1080.9	1048.9	1020.9	1004.2	988.9	979.1	968.5	962.5	951.3
20°	1117.7	1079.4	1042.4	1008.4	986.8	967.7	955.3	946.0	934.9	931.8	920.8
22.5°	1083.6	1041.4	1005.8	977.3	953.7	932.1	918.8	912.4	904.8	895.3	893.0
25°	1028.2	984.4	954.1	925.7	904.7	884.9	875.7	867.6	860.2	853.4	851.0
27.5°	980.2	941.1	905.1	879.5	861.2	843.2	835.0	825.3	819.8	814.4	807.7
30°	946.7	906.5	875.0	850.3	830.6	814.5	805.9	799.1	794.2	789.2	785.5
32.5°	912.1	874.9	844.4	820.2	800.4	788.3	780.7	775.9	770.4	764.5	759.8
35°	866.4	825.6	796.0	775.0	759.5	750.3	741.6	737.3	731.2	731.2	726.2
37.5°	814.9	779.7	753.5	734.4	720.5	712.3	702.9	699.9	695.9	693.3	691.7
40°	784.3	751.5	726.8	707.7	692.8	686.0	678.7	673.8	671.2	668.1	666.9
42.5°	752.7	721.4	697.7	680.0	667.2	661.4	654.4	651.0	646.0	642.0	641.3
45°	704.6	674.3	652.8	638.5	627.4	620.6	616.3	608.9	606.4	601.5	600.9
47.5°	659.0	630.0	608.8	597.1	587.4	581.9	575.0	567.6	564.8	562.3	562.1
50°	625.0	598.4	578.6	567.5	558.3	550.2	543.4	538.4	536.6	536.6	537.9
52.5°	590.3	567.8	551.0	537.3	528.6	520.1	513.8	510.8	507.9	511.0	513.2
55°	539.7	516.9	504.5	491.5	482.9	473.0	469.9	468.7	466.8	471.8	474.3
57.5°	486.1	470.1	455.6	442.8	435.0	429.3	425.1	424.4	427.9	430.2	438.2
60°	452.0	433.5	420.6	410.7	401.4	397.7	396.5	395.2	397.7	404.5	414.9
62.5°	414.5	399.4	385.5	378.0	371.2	365.1	364.8	365.6	370.5	378.3	388.8
65°	359.4	346.4	337.2	328.5	323.0	319.2	320.5	323.0	328.5	339.1	350.8
67.5°	303.5	294.5	286.3	279.2	273.9	273.9	275.2	278.8	285.4	297.5	308.2
70°	267.4	257.5	250.7	247.6	243.3	240.8	244.5	250.7	256.3	267.4	276.6
72.5°	231.3	222.9	217.6	215.6	213.7	211.7	212.9	219.6	227.1	238.2	249.0
75°	177.8	174.8	171.0	168.6	166.8	167.9	169.2	175.4	181.6	193.3	205.7
77.5°	129.8	126.6	124.4	123.7	122.8	123.3	126.8	131.4	137.4	146.0	155.3
80°	98.2	97.0	95.7	95.1	95.1	95.7	100.7	103.8	109.3	117.3	124.8
82.5°	71.5	70.7	70.5	70.4	70.9	71.0	74.0	78.0	82.6	88.6	95.1
85°	37.7	36.4	38.3	38.9	37.7	39.5	40.7	43.3	45.1	48.2	51.3
87.5°	14.0	15.4	15.1	16.0	16.3	17.6	17.3	19.6	20.8	21.9	21.7
90°	8.3	10.1	11.6	13.2	14.8	16.4	17.6	18.7	19.8	21.0	21.9
92.5°	10.7	10.8	12.2	13.5	15.0	16.4	17.6	18.7	19.8	21.0	21.7
95°	55.7	51.0	42.4	33.7	25.0	16.4	17.6	18.7	19.8	21.0	21.5
97.5°	127.0	119.0	101.9	84.8	67.6	50.5	44.0	37.6	31.2	24.7	21.5
100°	174.0	174.8	175.7	176.7	177.5	178.5	144.5	110.5	76.6	42.6	25.2
102.5°	224.8	225.5	226.1	226.6	227.1	227.7	221.3	214.8	208.4	202.0	191.0
105°	305.2	305.6	305.6	305.6	305.6	305.6	305.6	305.6	305.6	305.6	305.5
107.5°	384.8	385.1	385.6	386.0	386.4	386.9	386.9	387.0	387.1	387.1	386.7
110°	439.0	439.2	439.7	440.1	440.6	441.0	440.4	439.7	439.0	438.3	438.1



TEST NUMBER: P333478-927

CATALOG NUMBER: S125DIW-S1270D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	492.0	492.5	492.7	493.0	493.3	493.5	492.7	491.8	491.0	490.1	489.5
115°	570.8	571.4	571.6	571.9	572.1	572.4	571.4	570.5	569.6	568.7	567.5
117.5°	645.0	645.4	646.3	647.1	648.0	648.9	647.7	646.5	645.3	644.1	643.2
120°	693.5	693.7	694.3	695.1	695.8	696.4	696.0	695.5	695.1	694.6	693.8
122.5°	741.3	742.0	742.3	742.6	742.9	743.2	742.8	742.3	741.8	741.4	740.5
125°	811.5	812.3	812.3	812.3	812.3	812.3	811.4	810.5	809.6	808.7	807.9
127.5°	873.9	874.4	874.3	874.2	874.0	873.9	873.4	872.9	872.4	871.9	870.8
130°	913.3	914.0	914.3	914.4	914.7	914.9	914.3	913.5	912.8	912.2	911.2
132.5°	953.4	953.9	953.3	952.8	952.4	951.8	951.7	951.6	951.4	951.3	950.6
135°	1009.6	1010.0	1009.6	1009.2	1008.7	1008.2	1007.8	1007.3	1006.9	1006.4	1005.5
137.5°	1060.3	1060.7	1060.3	1059.9	1059.5	1059.1	1059.2	1059.3	1059.4	1059.5	1058.9
140°	1091.1	1091.2	1091.0	1090.8	1090.5	1090.3	1090.8	1091.2	1091.6	1092.1	1091.6
142.5°	1120.7	1121.0	1121.3	1121.7	1122.0	1122.3	1122.4	1122.4	1122.6	1122.7	1122.0
145°	1165.9	1166.2	1166.2	1166.2	1166.2	1166.2	1166.4	1166.6	1166.9	1167.1	1166.6
147.5°	1202.8	1202.8	1203.1	1203.4	1203.6	1204.0	1204.2	1204.5	1204.8	1205.1	1204.4
150°	1225.9	1225.9	1226.4	1226.9	1227.2	1227.7	1228.2	1228.7	1229.1	1229.5	1228.8
152.5°	1247.5	1247.2	1247.7	1248.2	1248.6	1249.0	1249.5	1250.0	1250.5	1250.9	1250.3
155°	1276.6	1276.2	1276.6	1277.1	1277.6	1278.0	1278.7	1279.4	1280.0	1280.7	1280.2
157.5°	1302.4	1302.0	1302.0	1302.1	1302.2	1302.2	1302.9	1303.7	1304.4	1305.1	1304.6
160°	1316.6	1316.1	1316.3	1316.5	1316.8	1317.0	1317.9	1318.8	1319.7	1320.6	1320.2
162.5°	1329.8	1329.2	1329.4	1329.7	1329.8	1330.1	1331.3	1332.6	1334.0	1335.2	1334.8
165°	1347.4	1346.8	1347.0	1347.3	1347.5	1347.7	1349.1	1350.4	1351.9	1353.2	1353.0
167.5°	1360.3	1359.8	1359.9	1360.2	1360.4	1360.7	1362.3	1364.0	1365.6	1367.2	1367.0
170°	1367.0	1366.3	1366.5	1366.8	1367.0	1367.2	1369.0	1370.9	1372.7	1374.5	1374.4
172.5°	1371.9	1371.3	1371.7	1372.1	1372.5	1372.9	1374.6	1376.3	1377.9	1379.5	1379.3
175°	1378.2	1377.6	1377.8	1378.1	1378.3	1378.5	1380.3	1382.1	1383.9	1385.8	1385.7
177.5°	1381.7	1381.2	1381.5	1381.6	1381.8	1382.0	1383.3	1384.6	1385.8	1387.1	1387.0
180°	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6



TEST NUMBER: P333478-927

CATALOG NUMBER: S125DIW-S1270D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1386.2	1389.6	1386.7	1390.7	1386.7	1389.6	1386.2	1389.2	1393.6	1390.7	1397.6
5°	1277.6	1272.1	1275.8	1273.4	1275.8	1272.1	1277.6	1280.7	1288.2	1290.6	1295.5
7.5°	1177.3	1172.0	1166.0	1163.2	1166.0	1172.0	1177.3	1179.2	1185.5	1194.8	1201.8
10°	1114.6	1107.9	1107.2	1102.9	1107.2	1107.9	1114.6	1121.4	1125.8	1137.5	1145.5
12.5°	1068.7	1062.4	1055.3	1053.5	1055.3	1062.4	1068.7	1074.5	1075.9	1089.1	1094.6
15°	1003.5	998.5	994.2	997.9	994.2	998.5	1003.5	1007.2	1014.0	1023.3	1029.4
17.5°	949.3	945.2	944.4	939.8	944.4	945.2	949.3	951.3	962.5	968.5	979.1
20°	915.2	912.1	913.3	905.3	913.3	912.1	915.2	920.8	931.8	934.9	946.0
22.5°	888.0	881.9	881.2	879.6	881.2	881.9	888.0	893.0	895.3	904.8	912.4
25°	845.4	842.3	839.2	842.3	839.2	842.3	845.4	851.0	853.4	860.2	867.6
27.5°	808.2	804.5	803.7	804.0	803.7	804.5	808.2	807.7	814.4	819.8	825.3
30°	785.5	779.3	779.9	779.3	779.9	779.3	785.5	785.5	789.2	794.2	799.1
32.5°	760.8	756.6	755.7	754.6	755.7	756.6	760.8	759.8	764.5	770.4	775.9
35°	724.4	724.4	721.3	721.3	721.3	724.4	724.4	726.2	731.2	731.2	737.3
37.5°	690.1	689.5	687.7	687.9	687.7	689.5	690.1	691.7	693.3	695.9	699.9
40°	664.5	663.8	661.9	658.3	661.9	663.8	664.5	666.9	668.1	671.2	673.8
42.5°	639.8	637.6	636.8	635.6	636.8	637.6	639.8	641.3	642.0	646.0	651.0
45°	600.9	600.9	599.6	599.0	599.6	600.9	600.9	600.9	601.5	606.4	608.9
47.5°	563.1	564.2	566.5	566.2	566.5	564.2	563.1	562.1	562.3	564.8	567.6
50°	540.3	541.0	542.8	543.4	542.8	541.0	540.3	537.9	536.6	536.6	538.4
52.5°	515.2	518.7	521.1	520.7	521.1	518.7	515.2	513.2	511.0	507.9	510.8
55°	479.8	484.1	488.5	489.1	488.5	484.1	479.8	474.3	471.8	466.8	468.7
57.5°	444.9	450.9	455.5	456.9	455.5	450.9	444.9	438.2	430.2	427.9	424.4
60°	421.1	429.2	434.7	437.2	434.7	429.2	421.1	414.9	404.5	397.7	395.2
62.5°	398.4	407.4	413.0	413.5	413.0	407.4	398.4	388.8	378.3	370.5	365.6
65°	361.2	370.5	375.4	379.1	375.4	370.5	361.2	350.8	339.1	328.5	323.0
67.5°	321.2	330.5	336.0	338.9	336.0	330.5	321.2	308.2	297.5	285.4	278.8
70°	292.1	301.3	308.8	311.2	308.8	301.3	292.1	276.6	267.4	256.3	250.7
72.5°	263.4	271.7	277.7	280.6	277.7	271.7	263.4	249.0	238.2	227.1	219.6
75°	213.7	224.7	230.4	233.5	230.4	224.7	213.7	205.7	193.3	181.6	175.4
77.5°	164.8	174.9	178.2	179.8	178.2	174.9	164.8	155.3	146.0	137.4	131.4
80°	132.1	138.3	142.7	143.2	142.7	138.3	132.1	124.8	117.3	109.3	103.8
82.5°	101.6	106.7	108.1	109.6	108.1	106.7	101.6	95.1	88.6	82.6	78.0
85°	55.6	58.1	58.7	58.1	58.7	58.1	55.6	51.3	48.2	45.1	43.3
87.5°	22.8	22.4	22.6	23.7	22.6	22.4	22.8	21.7	21.9	20.8	19.6
90°	22.6	23.2	23.9	24.6	23.9	23.2	22.6	21.9	21.0	19.8	18.7
92.5°	22.0	22.3	22.7	23.0	22.7	22.3	22.0	21.7	21.0	19.8	18.7
95°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.0	19.8	18.7
97.5°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	24.7	31.2	37.6
100°	24.2	23.4	22.4	21.5	22.4	23.4	24.2	25.2	42.6	76.6	110.5
102.5°	175.5	160.0	144.5	129.0	144.5	160.0	175.5	191.0	202.0	208.4	214.8
105°	305.3	305.1	304.8	304.6	304.8	305.1	305.3	305.5	305.6	305.6	305.6
107.5°	386.0	385.4	384.7	384.0	384.7	385.4	386.0	386.7	387.1	387.1	387.0
110°	438.3	438.6	438.8	439.0	438.8	438.6	438.3	438.1	438.3	439.0	439.7



TEST NUMBER: P333478-927

CATALOG NUMBER: S125DIW-S1270D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	489.2	488.9	488.5	488.2	488.5	488.9	489.2	489.5	490.1	491.0	491.8
115°	566.2	564.8	563.4	562.1	563.4	564.8	566.2	567.5	568.7	569.6	570.5
117.5°	642.6	642.1	641.4	640.9	641.4	642.1	642.6	643.2	644.1	645.3	646.5
120°	692.7	691.5	690.4	689.3	690.4	691.5	692.7	693.8	694.6	695.1	695.5
122.5°	739.2	737.8	736.5	735.2	736.5	737.8	739.2	740.5	741.4	741.8	742.3
125°	807.2	806.5	805.8	805.2	805.8	806.5	807.2	807.9	808.7	809.6	810.5
127.5°	869.1	867.4	865.7	864.0	865.7	867.4	869.1	870.8	871.9	872.4	872.9
130°	910.1	908.9	907.8	906.7	907.8	908.9	910.1	911.2	912.2	912.8	913.5
132.5°	949.5	948.4	947.2	946.1	947.2	948.4	949.5	950.6	951.3	951.4	951.6
135°	1004.2	1002.7	1001.4	1000.1	1001.4	1002.7	1004.2	1005.5	1006.4	1006.9	1007.3
137.5°	1057.7	1056.5	1055.3	1054.2	1055.3	1056.5	1057.7	1058.9	1059.5	1059.4	1059.3
140°	1090.3	1088.9	1087.6	1086.2	1087.6	1088.9	1090.3	1091.6	1092.1	1091.6	1091.2
142.5°	1120.6	1119.3	1117.9	1116.6	1117.9	1119.3	1120.6	1122.0	1122.7	1122.6	1122.4
145°	1165.1	1163.8	1162.4	1161.1	1162.4	1163.8	1165.1	1166.6	1167.1	1166.9	1166.6
147.5°	1202.7	1201.0	1199.4	1197.8	1199.4	1201.0	1202.7	1204.4	1205.1	1204.8	1204.5
150°	1227.0	1225.2	1223.4	1221.5	1223.4	1225.2	1227.0	1228.8	1229.5	1229.1	1228.7
152.5°	1248.6	1247.1	1245.4	1243.7	1245.4	1247.1	1248.6	1250.3	1250.9	1250.5	1250.0
155°	1278.3	1276.5	1274.7	1272.9	1274.7	1276.5	1278.3	1280.2	1280.7	1280.0	1279.4
157.5°	1302.7	1300.9	1299.1	1297.3	1299.1	1300.9	1302.7	1304.6	1305.1	1304.4	1303.7
160°	1318.3	1316.5	1314.7	1312.9	1314.7	1316.5	1318.3	1320.2	1320.6	1319.7	1318.8
162.5°	1332.8	1330.8	1328.8	1326.8	1328.8	1330.8	1332.8	1334.8	1335.2	1334.0	1332.6
165°	1351.1	1349.3	1347.5	1345.7	1347.5	1349.3	1351.1	1353.0	1353.2	1351.9	1350.4
167.5°	1364.9	1362.9	1360.9	1358.8	1360.9	1362.9	1364.9	1367.0	1367.2	1365.6	1364.0
170°	1372.4	1370.3	1368.3	1366.2	1368.3	1370.3	1372.4	1374.4	1374.5	1372.7	1370.9
172.5°	1377.3	1375.2	1373.2	1371.1	1373.2	1375.2	1377.3	1379.3	1379.5	1377.9	1376.3
175°	1383.6	1381.6	1379.5	1377.4	1379.5	1381.6	1383.6	1385.7	1385.8	1383.9	1382.1
177.5°	1385.5	1384.1	1382.6	1381.2	1382.6	1384.1	1385.5	1387.0	1387.1	1385.8	1384.6
180°	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6



TEST NUMBER: P333478-927

CATALOG NUMBER: S125DIW-S1270D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1391.2	1397.1	1404.5	1409.9	1419.8	1424.3	1429.7	1434.2	1442.0	1449.5	1458.3
5°	1297.4	1307.9	1322.2	1337.5	1355.5	1367.8	1385.1	1395.6	1416.6	1435.8	1454.3
7.5°	1212.4	1225.3	1245.4	1265.2	1288.6	1309.9	1331.5	1355.5	1382.3	1413.9	1440.0
10°	1154.1	1171.5	1193.0	1217.7	1246.2	1270.9	1299.9	1325.8	1358.5	1395.6	1430.2
12.5°	1107.7	1122.5	1146.6	1170.4	1200.7	1230.8	1260.8	1295.2	1333.3	1374.4	1417.8
15°	1043.6	1056.0	1075.7	1108.4	1139.3	1168.9	1214.0	1246.2	1294.3	1340.1	1392.5
17.5°	988.9	1004.2	1020.9	1048.9	1080.9	1117.9	1158.2	1198.5	1244.9	1302.8	1362.0
20°	955.3	967.7	986.8	1008.4	1042.4	1079.4	1117.7	1158.5	1215.3	1275.2	1338.8
22.5°	918.8	932.1	953.7	977.3	1005.8	1041.4	1083.6	1128.3	1187.6	1246.5	1315.6
25°	875.7	884.9	904.7	925.7	954.1	984.4	1028.2	1077.6	1136.2	1203.6	1274.0
27.5°	835.0	843.2	861.2	879.5	905.1	941.1	980.2	1030.2	1085.4	1153.7	1231.7
30°	805.9	814.5	830.6	850.3	875.0	906.5	946.7	993.6	1052.9	1119.6	1201.1
32.5°	780.7	788.3	800.4	820.2	844.4	874.9	912.1	960.0	1019.3	1087.0	1167.0
35°	741.6	750.3	759.5	775.0	796.0	825.6	866.4	911.5	968.3	1033.7	1107.2
37.5°	702.9	712.3	720.5	734.4	753.5	779.7	814.9	861.8	913.2	976.3	1046.8
40°	678.7	686.0	692.8	707.7	726.8	751.5	784.3	826.2	880.6	939.3	997.9
42.5°	654.4	661.4	667.2	680.0	697.7	721.4	752.7	793.6	844.1	898.7	950.5
45°	616.3	620.6	627.4	638.5	652.8	674.3	704.6	741.0	783.6	835.5	874.4
47.5°	575.0	581.9	587.4	597.1	608.8	630.0	659.0	690.0	728.6	767.2	794.6
50°	543.4	550.2	558.3	567.5	578.6	598.4	625.0	656.4	689.1	718.8	742.3
52.5°	513.8	520.1	528.6	537.3	551.0	567.8	590.3	618.4	650.6	671.8	691.4
55°	469.9	473.0	482.9	491.5	504.5	516.9	539.7	564.4	584.2	600.2	616.3
57.5°	425.1	429.3	435.0	442.8	455.6	470.1	486.1	507.9	519.6	527.8	540.3
60°	396.5	397.7	401.4	410.7	420.6	433.5	452.0	467.5	476.1	482.9	493.4
62.5°	364.8	365.1	371.2	378.0	385.5	399.4	414.5	427.0	434.1	437.4	447.4
65°	320.5	319.2	323.0	328.5	337.2	346.4	359.4	370.5	369.9	373.6	379.8
67.5°	275.2	273.9	273.9	279.2	286.3	294.5	303.5	309.9	310.0	315.0	318.1
70°	244.5	240.8	243.3	247.6	250.7	257.5	267.4	269.9	270.5	272.9	276.0
72.5°	212.9	211.7	213.7	215.6	217.6	222.9	231.3	232.8	232.9	234.4	239.5
75°	169.2	167.9	166.8	168.6	171.0	174.8	177.8	180.3	179.7	180.3	184.0
77.5°	126.8	123.3	122.8	123.7	124.4	126.6	129.8	129.5	130.2	130.1	134.3
80°	100.7	95.7	95.1	95.1	95.7	97.0	98.2	99.4	97.6	99.4	100.7
82.5°	74.0	71.0	70.9	70.4	70.5	70.7	71.5	72.2	71.9	72.7	73.5
85°	40.7	39.5	37.7	38.9	38.3	36.4	37.7	35.8	35.2	35.8	36.4
87.5°	17.3	17.6	16.3	16.0	15.1	15.4	14.0	13.2	12.3	12.4	13.5
90°	17.6	16.4	14.8	13.2	11.6	10.1	8.3	6.5	4.7	2.9	1.0
92.5°	17.6	16.4	15.0	13.5	12.2	10.8	10.7	12.0	13.2	14.5	15.8
95°	17.6	16.4	25.0	33.7	42.4	51.0	55.7	56.4	57.1	57.8	58.5
97.5°	44.0	50.5	67.6	84.8	101.9	119.0	127.0	125.7	124.5	123.3	122.1
100°	144.5	178.5	177.5	176.7	175.7	174.8	174.0	173.3	172.6	172.0	171.3
102.5°	221.3	227.7	227.1	226.6	226.1	225.5	224.8	223.9	223.1	222.2	221.3
105°	305.6	305.6	305.6	305.6	305.6	305.6	305.2	304.3	303.4	302.5	301.6
107.5°	386.9	386.9	386.4	386.0	385.6	385.1	384.8	384.8	384.8	384.8	384.8
110°	440.4	441.0	440.6	440.1	439.7	439.2	439.0	439.0	439.0	439.0	439.0



TEST NUMBER: P333478-927

CATALOG NUMBER: S125DIW-S1270D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	492.7	493.5	493.3	493.0	492.7	492.5	492.0	491.5	491.0	490.4	489.9
115°	571.4	572.4	572.1	571.9	571.6	571.4	570.8	569.6	568.5	567.3	566.2
117.5°	647.7	648.9	648.0	647.1	646.3	645.4	645.0	645.0	645.1	645.1	645.2
120°	696.0	696.4	695.8	695.1	694.3	693.7	693.5	693.7	694.0	694.2	694.3
122.5°	742.8	743.2	742.9	742.6	742.3	742.0	741.3	740.5	739.6	738.7	737.8
125°	811.4	812.3	812.3	812.3	812.3	812.3	811.5	809.9	808.3	806.8	805.2
127.5°	873.4	873.9	874.0	874.2	874.3	874.4	873.9	872.7	871.6	870.5	869.3
130°	914.3	914.9	914.7	914.4	914.3	914.0	913.3	912.2	911.0	909.9	908.7
132.5°	951.7	951.8	952.4	952.8	953.3	953.9	953.4	952.1	950.8	949.4	948.2
135°	1007.8	1008.2	1008.7	1009.2	1009.6	1010.0	1009.6	1008.2	1006.9	1005.5	1004.2
137.5°	1059.2	1059.1	1059.5	1059.9	1060.3	1060.7	1060.3	1059.1	1058.0	1056.8	1055.7
140°	1090.8	1090.3	1090.5	1090.8	1091.0	1091.2	1091.1	1090.6	1090.2	1089.7	1089.3
142.5°	1122.4	1122.3	1122.0	1121.7	1121.3	1121.0	1120.7	1120.5	1120.1	1119.9	1119.6
145°	1166.4	1166.2	1166.2	1166.2	1166.2	1166.2	1165.9	1165.5	1165.1	1164.6	1164.1
147.5°	1204.2	1204.0	1203.6	1203.4	1203.1	1202.8	1202.8	1202.8	1202.9	1203.0	1203.1
150°	1228.2	1227.7	1227.2	1226.9	1226.4	1225.9	1225.9	1226.4	1226.9	1227.2	1227.7
152.5°	1249.5	1249.0	1248.6	1248.2	1247.7	1247.2	1247.5	1248.6	1249.5	1250.5	1251.5
155°	1278.7	1278.0	1277.6	1277.1	1276.6	1276.2	1276.6	1278.0	1279.4	1280.7	1282.1
157.5°	1302.9	1302.2	1302.2	1302.1	1302.0	1302.0	1302.4	1303.2	1304.0	1304.9	1305.7
160°	1317.9	1317.0	1316.8	1316.5	1316.3	1316.1	1316.6	1318.0	1319.4	1320.7	1322.1
162.5°	1331.3	1330.1	1329.8	1329.7	1329.4	1329.2	1329.8	1331.1	1332.5	1333.9	1335.2
165°	1349.1	1347.7	1347.5	1347.3	1347.0	1346.8	1347.4	1348.8	1350.1	1351.5	1352.9
167.5°	1362.3	1360.7	1360.4	1360.2	1359.9	1359.8	1360.3	1361.8	1363.2	1364.6	1366.0
170°	1369.0	1367.2	1367.0	1366.8	1366.5	1366.3	1367.0	1368.6	1370.2	1371.8	1373.4
172.5°	1374.6	1372.9	1372.5	1372.1	1371.7	1371.3	1371.9	1373.5	1375.1	1376.7	1378.3
175°	1380.3	1378.5	1378.3	1378.1	1377.8	1377.6	1378.2	1379.5	1380.9	1382.3	1383.6
177.5°	1383.3	1382.0	1381.8	1381.6	1381.5	1381.2	1381.7	1382.8	1383.9	1385.0	1386.1
180°	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6



TEST NUMBER: P333478-927

CATALOG NUMBER: S125DIW-S1270D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1462.8	1469.7	1474.2	1482.6	1489.5	1493.4	1496.9	1499.8	1503.3	1506.3	1514.7
5°	1472.2	1488.2	1501.8	1522.8	1542.0	1556.8	1572.8	1587.1	1598.8	1615.4	1628.4
7.5°	1468.1	1496.6	1526.5	1559.0	1592.2	1623.1	1651.5	1678.1	1702.2	1731.3	1756.8
10°	1464.1	1503.1	1541.3	1585.2	1630.2	1668.6	1704.4	1740.8	1767.4	1804.4	1835.9
12.5°	1461.2	1507.0	1553.2	1605.9	1655.4	1709.5	1757.2	1783.8	1824.2	1853.8	1891.3
15°	1448.7	1509.3	1572.8	1632.1	1702.5	1752.5	1794.5	1846.4	1884.0	1921.8	1962.5
17.5°	1426.3	1494.9	1566.1	1643.7	1711.3	1765.0	1819.1	1869.2	1914.1	1964.6	2015.3
20°	1415.9	1484.5	1566.1	1645.7	1711.7	1768.0	1823.5	1878.5	1927.9	1992.7	2051.4
22.5°	1394.2	1477.1	1552.2	1629.9	1698.0	1759.0	1822.1	1884.4	1950.1	2023.4	2096.8
25°	1355.5	1439.5	1519.1	1595.7	1664.2	1740.8	1808.1	1891.5	1975.5	2072.4	2163.8
27.5°	1315.2	1395.6	1468.6	1542.5	1622.5	1709.2	1796.5	1891.1	2001.1	2123.4	2252.3
30°	1282.6	1358.5	1429.6	1505.5	1588.9	1686.5	1782.2	1894.6	2021.8	2159.5	2312.6
32.5°	1244.5	1314.5	1383.6	1464.0	1554.8	1657.8	1769.3	1892.6	2045.5	2201.9	2359.6
35°	1179.5	1238.1	1309.2	1395.0	1497.5	1615.4	1744.5	1890.2	2065.6	2245.3	2378.1
37.5°	1102.2	1156.9	1231.7	1325.8	1433.3	1559.9	1713.0	1885.9	2072.2	2215.4	2258.3
40°	1050.4	1101.1	1178.8	1276.4	1386.3	1520.4	1688.3	1871.1	2051.4	2142.8	2107.6
42.5°	995.1	1048.2	1124.0	1220.6	1338.9	1484.8	1657.2	1840.0	1991.2	2025.7	1904.1
45°	907.8	962.7	1037.4	1135.0	1262.2	1420.3	1600.0	1766.1	1853.2	1790.8	1602.5
47.5°	826.6	878.1	947.4	1048.1	1179.3	1342.8	1515.9	1648.5	1655.3	1506.5	1305.4
50°	771.3	818.8	888.6	989.3	1119.6	1285.1	1441.3	1545.6	1498.7	1330.2	1136.9
52.5°	716.9	763.5	832.3	932.0	1060.8	1212.4	1357.8	1431.1	1342.6	1169.6	1004.5
55°	638.5	679.3	746.6	838.6	960.8	1101.7	1225.2	1250.5	1135.6	965.2	831.2
57.5°	562.0	600.0	661.2	746.0	857.8	982.5	1079.0	1073.6	952.2	806.0	699.7
60°	510.1	547.2	601.5	684.2	786.1	893.6	976.3	956.6	836.1	710.2	620.6
62.5°	463.7	496.7	548.1	620.5	713.5	813.0	881.0	851.8	733.9	623.7	552.9
65°	395.2	423.0	466.8	528.6	605.8	687.9	740.4	702.7	602.1	516.3	459.5
67.5°	329.9	352.1	388.9	438.2	504.0	570.0	602.0	564.0	483.5	420.9	378.8
70°	288.4	308.2	336.5	380.4	437.8	493.4	517.5	483.5	414.4	360.6	330.3
72.5°	246.9	263.2	288.1	327.6	373.6	421.8	442.9	410.4	353.6	308.2	280.0
75°	190.8	201.9	219.2	246.4	282.8	321.2	332.9	304.4	268.0	234.0	215.6
77.5°	136.6	146.0	159.1	176.3	202.1	226.4	236.6	220.2	192.0	170.6	155.3
80°	105.0	110.0	121.0	135.2	155.6	171.0	177.8	167.4	147.6	131.5	119.8
82.5°	74.9	79.8	86.4	98.2	111.1	121.7	129.0	121.9	107.6	95.0	88.2
85°	36.4	39.5	43.3	48.2	58.1	64.2	63.6	59.3	53.7	48.8	45.1
87.5°	13.4	14.3	16.1	18.9	20.8	23.1	24.4	23.7	22.0	20.8	19.6
90°	2.9	4.7	6.5	8.3	10.1	11.6	13.2	14.8	16.4	17.6	18.7
92.5°	14.5	13.2	12.0	10.7	10.8	12.2	13.5	15.0	16.4	17.6	18.7
95°	57.8	57.1	56.4	55.7	51.0	42.4	33.7	25.0	16.4	17.6	18.7
97.5°	123.3	124.5	125.7	127.0	119.0	101.9	84.8	67.6	50.5	44.0	37.6
100°	172.0	172.6	173.3	174.0	174.8	175.7	176.7	177.5	178.5	144.5	110.5
102.5°	222.2	223.1	223.9	224.8	225.5	226.1	226.6	227.1	227.7	221.3	214.8
105°	302.5	303.4	304.3	305.2	305.6	305.6	305.6	305.6	305.6	305.6	305.6
107.5°	384.8	384.8	384.8	384.8	385.1	385.6	386.0	386.4	386.9	386.9	387.0
110°	439.0	439.0	439.0	439.0	439.2	439.7	440.1	440.6	441.0	440.4	439.7





TEST NUMBER: P333478-927

CATALOG NUMBER: S125DIW-S1270D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	490.4	491.0	491.5	492.0	492.5	492.7	493.0	493.3	493.5	492.7	491.8
115°	567.3	568.5	569.6	570.8	571.4	571.6	571.9	572.1	572.4	571.4	570.5
117.5°	645.1	645.1	645.0	645.0	645.4	646.3	647.1	648.0	648.9	647.7	646.5
120°	694.2	694.0	693.7	693.5	693.7	694.3	695.1	695.8	696.4	696.0	695.5
122.5°	738.7	739.6	740.5	741.3	742.0	742.3	742.6	742.9	743.2	742.8	742.3
125°	806.8	808.3	809.9	811.5	812.3	812.3	812.3	812.3	812.3	811.4	810.5
127.5°	870.5	871.6	872.7	873.9	874.4	874.3	874.2	874.0	873.9	873.4	872.9
130°	909.9	911.0	912.2	913.3	914.0	914.3	914.4	914.7	914.9	914.3	913.5
132.5°	949.4	950.8	952.1	953.4	953.9	953.3	952.8	952.4	951.8	951.7	951.6
135°	1005.5	1006.9	1008.2	1009.6	1010.0	1009.6	1009.2	1008.7	1008.2	1007.8	1007.3
137.5°	1056.8	1058.0	1059.1	1060.3	1060.7	1060.3	1059.9	1059.5	1059.1	1059.2	1059.3
140°	1089.7	1090.2	1090.6	1091.1	1091.2	1091.0	1090.8	1090.5	1090.3	1090.8	1091.2
142.5°	1119.9	1120.1	1120.5	1120.7	1121.0	1121.3	1121.7	1122.0	1122.3	1122.4	1122.4
145°	1164.6	1165.1	1165.5	1165.9	1166.2	1166.2	1166.2	1166.2	1166.2	1166.4	1166.6
147.5°	1203.0	1202.9	1202.8	1202.8	1202.8	1203.1	1203.4	1203.6	1204.0	1204.2	1204.5
150°	1227.2	1226.9	1226.4	1225.9	1225.9	1226.4	1226.9	1227.2	1227.7	1228.2	1228.7
152.5°	1250.5	1249.5	1248.6	1247.5	1247.2	1247.7	1248.2	1248.6	1249.0	1249.5	1250.0
155°	1280.7	1279.4	1278.0	1276.6	1276.2	1276.6	1277.1	1277.6	1278.0	1278.7	1279.4
157.5°	1304.9	1304.0	1303.2	1302.4	1302.0	1302.0	1302.1	1302.2	1302.2	1302.9	1303.7
160°	1320.7	1319.4	1318.0	1316.6	1316.1	1316.3	1316.5	1316.8	1317.0	1317.9	1318.8
162.5°	1333.9	1332.5	1331.1	1329.8	1329.2	1329.4	1329.7	1329.8	1330.1	1331.3	1332.6
165°	1351.5	1350.1	1348.8	1347.4	1346.8	1347.0	1347.3	1347.5	1347.7	1349.1	1350.4
167.5°	1364.6	1363.2	1361.8	1360.3	1359.8	1359.9	1360.2	1360.4	1360.7	1362.3	1364.0
170°	1371.8	1370.2	1368.6	1367.0	1366.3	1366.5	1366.8	1367.0	1367.2	1369.0	1370.9
172.5°	1376.7	1375.1	1373.5	1371.9	1371.3	1371.7	1372.1	1372.5	1372.9	1374.6	1376.3
175°	1382.3	1380.9	1379.5	1378.2	1377.6	1377.8	1378.1	1378.3	1378.5	1380.3	1382.1
177.5°	1385.0	1383.9	1382.8	1381.7	1381.2	1381.5	1381.6	1381.8	1382.0	1383.3	1384.6
180°	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6



TEST NUMBER: P333478-927

CATALOG NUMBER: S125DIW-S1270D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1521.5	1525.5	1533.9	1531.0	1534.9	1536.9	1538.9
5°	1644.5	1664.2	1672.9	1671.7	1684.6	1681.5	1678.4
7.5°	1783.3	1804.0	1815.7	1830.1	1838.5	1839.1	1846.4
10°	1861.9	1889.0	1900.1	1915.6	1925.5	1931.0	1930.4
12.5°	1922.1	1943.4	1968.3	1975.9	1989.2	1996.2	1993.6
15°	1994.6	2028.5	2054.5	2067.4	2084.2	2089.1	2095.9
17.5°	2059.4	2104.9	2135.2	2175.4	2190.6	2199.9	2194.4
20°	2108.2	2168.1	2198.4	2246.5	2273.1	2287.3	2282.4
22.5°	2166.1	2230.9	2286.8	2328.5	2368.9	2388.1	2392.1
25°	2265.1	2354.0	2436.1	2491.1	2541.1	2552.8	2578.8
27.5°	2375.8	2480.6	2568.4	2626.2	2661.0	2674.1	2682.3
30°	2445.4	2549.7	2615.9	2652.9	2664.0	2662.8	2661.5
32.5°	2479.5	2544.8	2557.6	2547.2	2521.8	2500.2	2477.8
35°	2431.2	2382.4	2309.5	2215.7	2146.5	2076.7	2070.0
37.5°	2186.5	2030.5	1909.2	1773.8	1695.6	1647.3	1614.0
40°	1956.3	1779.1	1632.1	1517.9	1438.2	1406.8	1375.9
42.5°	1706.4	1537.0	1406.8	1311.4	1251.5	1216.6	1192.1
45°	1386.3	1236.9	1135.0	1065.9	1018.3	991.1	975.7
47.5°	1136.0	1025.5	938.9	889.0	856.1	835.0	835.1
50°	1001.6	896.0	838.6	799.1	770.6	754.0	757.1
52.5°	882.6	803.7	754.6	721.5	700.5	690.2	689.9
55°	737.9	681.1	649.0	625.0	610.7	599.0	601.5
57.5°	631.2	583.3	561.8	541.9	532.0	527.3	520.5
60°	565.1	528.0	509.5	493.4	483.5	479.8	473.0
62.5°	506.3	477.1	459.1	446.0	437.0	435.9	430.6
65°	425.5	403.2	387.2	381.0	371.8	369.3	369.3
67.5°	350.8	334.9	322.3	316.6	312.6	313.2	310.2
70°	303.8	290.9	282.8	276.6	273.5	274.2	271.7
72.5°	265.8	251.4	244.3	240.6	236.5	238.1	237.1
75°	201.3	193.9	190.2	186.5	184.0	182.8	181.6
77.5°	147.8	141.3	138.5	136.3	136.7	133.7	136.1
80°	114.2	108.7	106.9	103.8	103.1	103.1	102.5
82.5°	83.6	80.5	79.1	76.6	75.5	76.4	74.9
85°	43.3	40.7	40.2	40.2	38.9	37.7	40.7
87.5°	19.8	18.1	18.2	17.8	18.0	17.7	16.8
90°	19.8	21.0	21.9	22.6	23.2	23.9	24.6
92.5°	19.8	21.0	21.7	22.0	22.3	22.7	23.0
95°	19.8	21.0	21.5	21.5	21.5	21.5	21.5
97.5°	31.2	24.7	21.5	21.5	21.5	21.5	21.5
100°	76.6	42.6	25.2	24.2	23.4	22.4	21.5
102.5°	208.4	202.0	191.0	175.5	160.0	144.5	129.0
105°	305.6	305.6	305.5	305.3	305.1	304.8	304.6
107.5°	387.1	387.1	386.7	386.0	385.4	384.7	384.0
110°	439.0	438.3	438.1	438.3	438.6	438.8	439.0



TEST NUMBER: P333478-927

CATALOG NUMBER: S125DIW-S1270D1340U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	491.0	490.1	489.5	489.2	488.9	488.5	488.2
115°	569.6	568.7	567.5	566.2	564.8	563.4	562.1
117.5°	645.3	644.1	643.2	642.6	642.1	641.4	640.9
120°	695.1	694.6	693.8	692.7	691.5	690.4	689.3
122.5°	741.8	741.4	740.5	739.2	737.8	736.5	735.2
125°	809.6	808.7	807.9	807.2	806.5	805.8	805.2
127.5°	872.4	871.9	870.8	869.1	867.4	865.7	864.0
130°	912.8	912.2	911.2	910.1	908.9	907.8	906.7
132.5°	951.4	951.3	950.6	949.5	948.4	947.2	946.1
135°	1006.9	1006.4	1005.5	1004.2	1002.7	1001.4	1000.1
137.5°	1059.4	1059.5	1058.9	1057.7	1056.5	1055.3	1054.2
140°	1091.6	1092.1	1091.6	1090.3	1088.9	1087.6	1086.2
142.5°	1122.6	1122.7	1122.0	1120.6	1119.3	1117.9	1116.6
145°	1166.9	1167.1	1166.6	1165.1	1163.8	1162.4	1161.1
147.5°	1204.8	1205.1	1204.4	1202.7	1201.0	1199.4	1197.8
150°	1229.1	1229.5	1228.8	1227.0	1225.2	1223.4	1221.5
152.5°	1250.5	1250.9	1250.3	1248.6	1247.1	1245.4	1243.7
155°	1280.0	1280.7	1280.2	1278.3	1276.5	1274.7	1272.9
157.5°	1304.4	1305.1	1304.6	1302.7	1300.9	1299.1	1297.3
160°	1319.7	1320.6	1320.2	1318.3	1316.5	1314.7	1312.9
162.5°	1334.0	1335.2	1334.8	1332.8	1330.8	1328.8	1326.8
165°	1351.9	1353.2	1353.0	1351.1	1349.3	1347.5	1345.7
167.5°	1365.6	1367.2	1367.0	1364.9	1362.9	1360.9	1358.8
170°	1372.7	1374.5	1374.4	1372.4	1370.3	1368.3	1366.2
172.5°	1377.9	1379.5	1379.3	1377.3	1375.2	1373.2	1371.1
175°	1383.9	1385.8	1385.7	1383.6	1381.6	1379.5	1377.4
177.5°	1385.8	1387.1	1387.0	1385.5	1384.1	1382.6	1381.2
180°	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6	1383.6

(END OF REPORT)