

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: P331574-927

Luminaire Tested: **S122DIW-S865D1240U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331574-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122DIW-S865D1240U927-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1240 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6425.9 lumens  
Efficiency: N/A  
Efficacy: 92.1 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

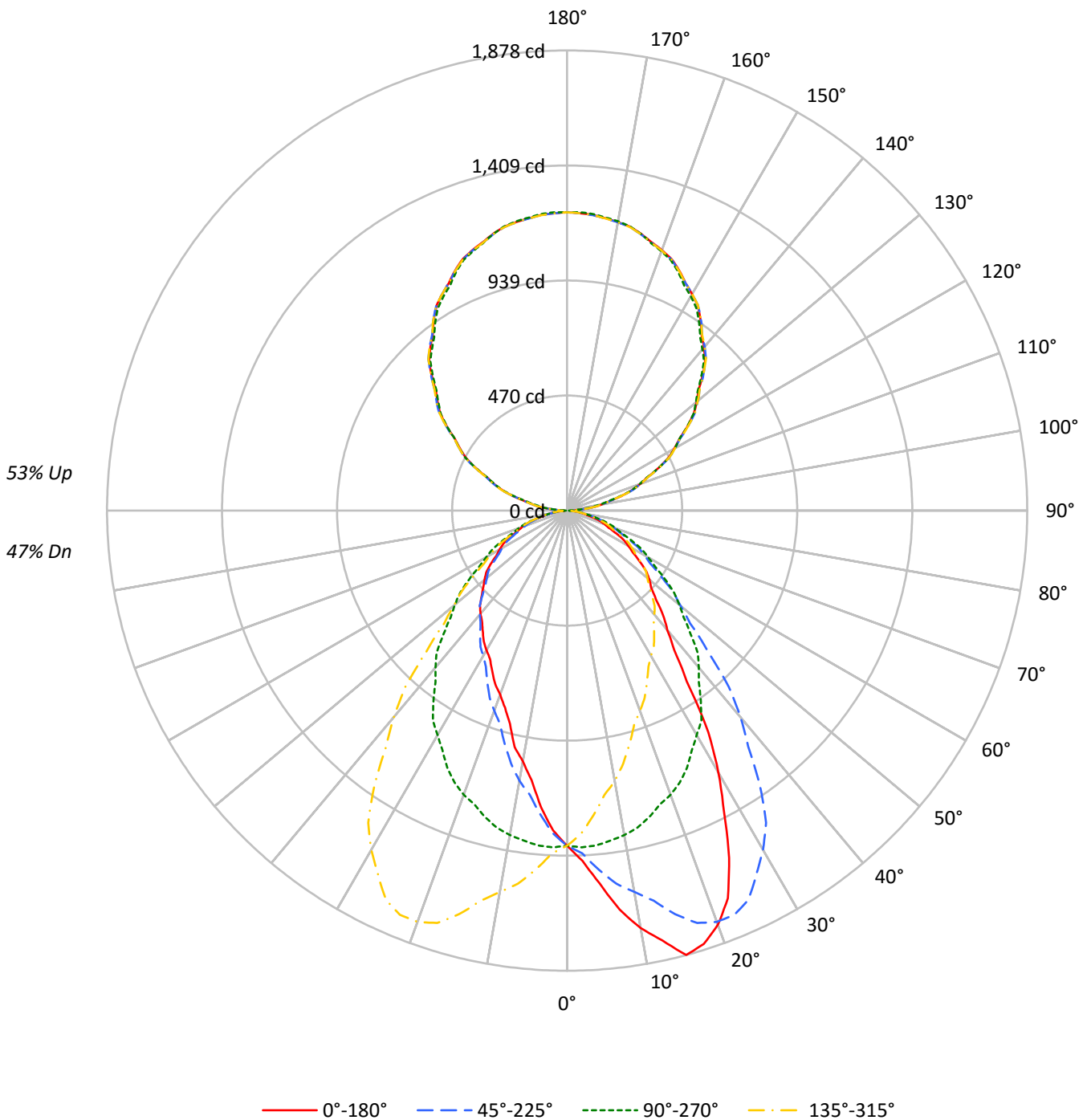
Input Watts (W): 69.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P331574-927

CATALOG NUMBER: S122DIW-S865D1240U927-4F0-1E-UDD-A1

### Luminous Intensity Polar Plot





TEST NUMBER: P331574-927

CATALOG NUMBER: S122DIW-S865D1240U927-4F0-1E-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	50	30	10	0	
RCR																						
0	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53	47				47
1	98	93	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46				40	
2	89	82	76	71	82	76	71	66	64	60	57	53	50	48	43	41	39				35	
3	82	73	65	60	75	67	61	56	57	52	48	47	44	41	38	36	34				30	
4	75	64	57	51	69	60	53	48	51	46	42	42	39	36	34	32	30				26	
5	69	58	50	44	63	53	47	41	46	40	36	38	34	31	31	28	26				23	
6	64	52	44	38	58	48	41	36	41	36	32	35	31	27	29	26	23				20	
7	59	47	39	34	54	44	37	32	37	32	28	32	28	24	26	23	21				18	
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	19				16	
9	51	39	32	27	47	36	30	25	31	26	23	27	23	20	22	19	17				15	
10	48	36	29	24	44	34	27	23	29	24	20	25	21	18	21	18	16				14	

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

	0°	90°	180°	270°
0°	22083	22083	22083	22083
5°	24759	22227	19697	22227
10°	28370	22046	17046	22046
15°	31385	21641	15059	21641
20°	30907	21206	13728	21206
25°	27868	20630	12886	20630
30°	23029	19708	12269	19708
35°	16783	18743	11832	18743
40°	13405	17606	11590	17606
45°	11714	16287	11259	16287
50°	11012	15013	11037	15013
55°	10151	13717	10742	13717
60°	9300	12339	10285	12339
65°	8474	11106	9838	11106
70°	7695	9904	9182	9904
75°	6818	8559	8135	8559
80°	5867	7085	6546	7085
85°	5261	5261	3890	5261



TEST NUMBER: P331574-927

CATALOG NUMBER: S122DIW-S865D1240U927-4F0-1E-UDD-A1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.3	2.0
10°-20°	378.7	5.9
20°-30°	549.6	8.6
30°-40°	579.9	9.0
40°-50°	513.5	8.0
50°-60°	409.8	6.4
60°-70°	278.5	4.3
70°-80°	142.8	2.2
80°-90°	39.3	0.6
90°-100°	77.1	1.2
100°-110°	239.6	3.7
110°-120°	409.5	6.4
120°-130°	538.5	8.4
130°-140°	604.4	9.4
140°-150°	592.6	9.2
150°-160°	497.0	7.7
160°-170°	329.7	5.1
170°-180°	115.2	1.8
0°-30°	1058.5	16.5
0°-40°	1638.5	25.5
0°-60°	2561.8	39.9
0°-90°	3022.4	47.0
90°-120°	726.2	11.3
90°-150°	2461.6	38.3
90°-180°	3404.0	53.0
0°-180°	6425.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1368	1368	1368	1368	1368	
5°	1528	1371	1215	1371	1528	153
15°	1878	1295	901	1295	1878	518
25°	1564	1158	723	1158	1564	707
35°	852	951	600	951	852	554
45°	513	713	493	713	513	403
55°	361	487	382	487	361	323
65°	222	291	258	291	222	221
75°	109	137	130	137	109	117
85°	28	28	21	28	28	32
90°	35	1	35	1	35	17
95°	64	53	64	53	64	71
105°	228	221	228	221	228	240
115°	411	411	411	411	411	406
125°	600	598	600	598	600	535
135°	783	774	783	774	783	602
145°	949	939	949	939	949	593
155°	1082	1073	1082	1073	1082	498
165°	1169	1168	1169	1168	1169	330
175°	1211	1215	1211	1215	1211	115
180°	1217	1217	1217	1217	1217	



TEST NUMBER: P331574-927

CATALOG NUMBER: S122DIW-S865D1240U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1430.8	1431.2	1432.1	1425.4	1424.5	1424.5	1418.6	1413.6	1407.7	1399.7	1400.6
5°	1527.6	1533.3	1535.4	1529.1	1519.6	1518.6	1509.7	1494.9	1481.3	1470.2	1462.4
7.5°	1643.0	1645.3	1640.1	1631.8	1624.8	1612.2	1595.5	1579.3	1556.5	1535.6	1520.0
10°	1730.4	1733.6	1724.7	1712.5	1702.6	1687.8	1663.7	1638.9	1609.0	1580.1	1557.0
12.5°	1796.9	1804.7	1793.2	1791.6	1774.5	1754.3	1725.5	1713.0	1670.9	1630.5	1605.8
15°	1877.6	1877.1	1878.2	1868.1	1855.5	1852.4	1821.9	1788.8	1729.4	1705.7	1664.8
17.5°	1854.3	1862.3	1866.0	1865.8	1865.5	1863.5	1853.8	1832.9	1803.1	1764.7	1717.4
20°	1798.8	1809.3	1810.8	1823.0	1829.8	1838.7	1842.4	1836.6	1818.2	1786.1	1745.2
22.5°	1713.0	1715.9	1720.9	1739.7	1754.5	1776.9	1788.6	1808.0	1800.9	1785.3	1751.0
25°	1564.3	1559.1	1577.5	1586.9	1621.1	1656.8	1682.6	1711.0	1736.2	1751.4	1741.5
27.5°	1385.8	1377.9	1405.5	1430.6	1458.3	1497.1	1537.2	1584.6	1624.1	1673.3	1690.3
30°	1235.2	1240.0	1266.3	1293.1	1335.1	1389.8	1435.0	1487.1	1543.3	1598.5	1636.9
32.5°	1072.9	1091.2	1107.8	1148.8	1185.9	1246.8	1313.0	1378.2	1448.3	1511.0	1570.4
35°	851.5	872.6	895.7	925.7	977.7	1038.2	1102.8	1190.6	1286.3	1372.0	1442.4
37.5°	716.8	713.4	726.7	748.3	790.4	839.2	913.7	1000.4	1113.0	1213.7	1313.0
40°	636.0	633.9	643.4	663.4	695.5	731.2	796.4	872.6	977.2	1100.2	1218.5
42.5°	580.5	581.8	587.0	601.1	623.1	652.5	701.3	766.2	862.0	977.8	1104.9
45°	513.0	516.7	522.5	529.3	541.9	566.1	593.4	639.7	715.4	812.1	937.2
47.5°	464.5	464.5	470.5	476.4	483.9	497.6	519.8	548.9	602.3	681.0	788.6
50°	438.4	434.7	438.9	443.6	451.5	461.0	475.7	503.0	538.8	602.4	692.3
52.5°	406.5	406.5	410.4	412.1	419.1	428.6	442.0	461.0	493.4	543.1	617.0
55°	360.6	363.2	365.4	368.4	374.8	381.6	392.1	404.7	430.0	467.3	522.0
57.5°	317.5	318.3	320.4	326.5	330.4	336.8	346.7	358.1	374.5	402.2	443.3
60°	288.0	288.0	292.2	294.9	300.2	306.4	314.3	325.3	340.1	362.7	395.9
62.5°	261.2	260.7	262.4	266.7	270.7	276.6	284.5	293.8	307.7	327.8	355.1
65°	221.8	220.8	223.9	225.0	229.2	235.0	241.3	251.3	262.3	277.0	301.2
67.5°	183.9	185.2	187.0	188.9	191.2	197.3	201.5	208.6	217.9	230.1	246.5
70°	163.0	163.0	163.0	164.5	167.7	170.9	175.1	180.9	189.7	200.3	215.0
72.5°	139.4	141.1	142.8	141.8	145.8	147.7	152.7	156.0	164.5	171.3	184.3
75°	109.3	109.3	109.3	111.9	113.5	115.1	118.3	121.4	125.6	134.0	140.9
77.5°	81.6	81.4	81.9	82.5	84.2	86.1	87.1	89.9	93.8	97.7	103.5
80°	63.1	64.2	64.6	65.7	65.7	66.8	67.3	71.0	73.6	76.2	79.9
82.5°	48.8	49.0	49.1	49.3	49.7	50.4	51.7	52.9	53.8	56.0	58.9
85°	28.4	27.9	27.9	28.9	28.4	28.4	29.5	30.5	30.5	31.0	32.6
87.5°	17.9	17.9	18.2	17.7	17.7	18.1	18.3	17.9	18.5	18.9	18.4
90°	34.9	34.7	34.5	34.2	34.0	34.1	34.6	35.0	35.5	36.0	30.9
92.5°	33.3	33.3	33.2	33.1	33.1	33.0	33.0	32.9	32.7	32.6	31.4
95°	63.7	64.2	64.6	65.0	65.5	65.8	65.8	65.8	65.8	65.8	65.3
97.5°	110.4	110.4	110.4	110.4	110.5	110.5	110.5	110.5	110.5	110.5	109.6
100°	140.7	140.9	141.2	141.4	141.6	141.7	141.7	141.7	141.7	141.7	141.1
102.5°	175.2	175.5	175.7	175.9	176.2	176.2	176.0	175.8	175.6	175.5	174.6
105°	228.1	228.1	228.1	228.1	228.1	227.8	227.4	226.9	226.4	226.0	225.5
107.5°	277.7	278.8	279.9	280.9	281.9	282.4	282.2	282.0	281.9	281.6	281.6
110°	316.4	317.0	317.7	318.5	319.1	319.5	319.5	319.5	319.5	319.5	319.5



TEST NUMBER: P331574-927

CATALOG NUMBER: S122DIW-S865D1240U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	353.3	353.9	354.3	354.8	355.4	355.8	356.4	357.0	357.5	358.1	358.2
115°	410.9	411.5	412.3	413.0	413.6	414.1	414.3	414.5	414.8	414.9	415.4
117.5°	465.7	466.4	467.1	467.8	468.5	469.1	469.6	470.2	470.7	471.3	472.5
120°	504.4	505.0	505.7	506.4	507.1	507.4	507.4	507.4	507.4	507.4	509.2
122.5°	542.2	542.6	543.1	543.7	544.2	544.7	545.3	545.8	546.3	546.8	548.1
125°	599.8	600.1	600.3	600.6	600.8	601.3	601.9	602.6	603.3	604.0	604.7
127.5°	652.4	653.2	653.9	654.7	655.4	656.2	657.0	657.8	658.6	659.4	660.3
130°	690.2	691.2	692.1	693.0	694.0	694.6	695.1	695.5	695.9	696.4	696.9
132.5°	726.4	727.1	727.9	728.6	729.4	730.2	731.2	732.2	733.2	734.2	734.1
135°	782.7	783.4	784.1	784.7	785.4	785.9	786.2	786.4	786.6	786.8	786.4
137.5°	833.7	834.6	835.5	836.4	837.3	837.9	838.0	838.2	838.4	838.6	838.0
140°	869.0	869.9	870.8	871.7	872.7	873.1	873.1	873.1	873.1	873.1	872.0
142.5°	901.0	902.0	902.9	903.8	904.7	905.1	904.9	904.7	904.5	904.4	903.6
145°	949.1	950.1	950.9	951.9	952.8	953.1	952.9	952.7	952.4	952.2	950.9
147.5°	992.0	992.9	993.8	994.7	995.5	995.7	995.2	994.7	994.2	993.7	992.8
150°	1020.0	1020.6	1021.4	1022.1	1022.7	1022.7	1022.1	1021.4	1020.6	1020.0	1019.1
152.5°	1046.3	1047.2	1048.1	1048.8	1049.7	1049.7	1048.8	1048.1	1047.2	1046.3	1045.2
155°	1081.6	1082.3	1083.0	1083.7	1084.3	1084.1	1083.0	1081.9	1080.7	1079.6	1078.9
157.5°	1112.0	1113.1	1114.2	1115.3	1116.4	1116.2	1114.6	1113.1	1111.5	1110.0	1109.5
160°	1130.9	1131.9	1132.7	1133.7	1134.6	1134.3	1133.0	1131.6	1130.2	1128.9	1128.6
162.5°	1147.4	1148.4	1149.5	1150.6	1151.8	1151.5	1149.9	1148.4	1146.8	1145.3	1145.1
165°	1168.9	1170.1	1171.2	1172.4	1173.5	1173.3	1171.6	1170.1	1168.5	1166.9	1166.9
167.5°	1186.6	1187.8	1189.0	1190.2	1191.4	1191.1	1189.5	1188.0	1186.4	1184.7	1184.8
170°	1195.6	1197.0	1198.4	1199.8	1201.1	1201.0	1199.4	1197.8	1196.2	1194.6	1194.8
172.5°	1203.0	1204.4	1205.8	1207.1	1208.5	1208.4	1206.8	1205.2	1203.6	1202.0	1202.2
175°	1211.0	1212.4	1213.8	1215.1	1216.6	1216.4	1214.8	1213.2	1211.6	1210.0	1210.5
177.5°	1214.7	1215.8	1217.0	1218.1	1219.1	1219.1	1218.1	1217.0	1215.8	1214.7	1215.1
180°	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2



TEST NUMBER: P331574-927

CATALOG NUMBER: S122DIW-S865D1240U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1403.5	1400.1	1398.0	1390.4	1383.7	1377.0	1374.9	1375.7	1366.5	1357.6	1353.8
5°	1458.2	1447.6	1437.7	1423.5	1406.7	1388.2	1378.8	1371.4	1353.0	1333.1	1321.5
7.5°	1507.1	1492.1	1472.9	1446.2	1421.7	1392.7	1374.4	1358.0	1331.2	1303.0	1285.7
10°	1537.0	1516.5	1491.8	1459.2	1429.3	1394.0	1369.3	1344.7	1313.0	1279.5	1258.4
12.5°	1562.7	1535.0	1510.7	1468.9	1433.5	1389.4	1360.1	1325.2	1292.0	1252.1	1231.5
15°	1623.7	1572.7	1526.5	1479.2	1435.5	1374.0	1341.5	1294.7	1251.0	1201.7	1178.0
17.5°	1671.0	1613.7	1540.8	1480.7	1429.7	1361.7	1313.8	1257.7	1206.2	1149.7	1117.5
20°	1697.9	1632.1	1553.8	1482.3	1421.3	1343.5	1291.5	1234.2	1173.8	1110.2	1075.5
22.5°	1713.8	1644.7	1567.3	1476.0	1404.5	1328.8	1263.4	1200.6	1139.3	1070.6	1034.3
25°	1718.9	1655.8	1573.8	1470.8	1383.5	1297.8	1219.0	1158.0	1083.9	1019.8	966.7
27.5°	1693.8	1648.6	1569.8	1460.9	1359.2	1259.0	1171.2	1102.1	1023.9	954.3	900.9
30°	1663.2	1636.9	1560.1	1450.8	1339.9	1232.2	1135.4	1057.1	979.3	908.9	854.2
32.5°	1615.7	1610.0	1542.5	1436.5	1319.3	1198.1	1098.0	1018.8	932.6	863.4	811.3
35°	1522.3	1547.5	1504.9	1404.5	1280.5	1149.6	1041.3	950.9	861.6	795.3	746.4
37.5°	1397.2	1459.8	1448.7	1357.7	1228.1	1096.9	977.3	882.8	797.6	730.8	682.8
40°	1311.0	1390.8	1402.4	1322.0	1191.1	1056.1	929.4	835.3	752.2	691.3	642.9
42.5°	1218.5	1311.8	1343.5	1279.1	1150.7	1013.1	886.5	789.0	706.8	647.5	604.6
45°	1063.4	1186.9	1244.2	1207.4	1083.4	942.5	812.1	713.3	638.7	583.0	549.9
47.5°	918.4	1053.4	1130.4	1117.5	1008.4	868.9	740.0	645.2	572.5	528.1	498.4
50°	815.8	954.6	1047.6	1051.9	954.6	816.3	687.1	597.7	530.9	489.4	465.2
52.5°	726.7	859.1	960.6	982.9	894.5	761.7	639.5	550.6	491.8	453.6	432.0
55°	610.3	722.2	834.7	875.8	804.8	678.6	565.6	487.3	432.1	405.8	386.9
57.5°	507.4	600.7	704.6	749.9	706.2	598.2	492.2	424.2	379.4	356.4	341.9
60°	453.1	526.7	619.2	673.4	635.5	539.3	446.8	382.1	345.4	324.9	311.2
62.5°	402.7	467.9	546.1	595.6	575.0	484.3	401.4	344.3	312.5	293.3	283.4
65°	332.2	383.7	444.2	489.9	476.3	407.3	339.6	290.7	265.5	250.2	242.3
67.5°	273.5	310.8	352.7	392.8	381.8	333.0	278.5	240.4	221.7	208.5	203.7
70°	236.5	264.9	302.2	334.3	325.3	285.4	242.3	209.8	193.5	182.4	177.7
72.5°	201.2	224.6	253.0	279.2	273.2	240.0	204.1	179.4	166.9	156.8	152.9
75°	151.9	169.8	187.1	204.5	202.9	177.1	156.1	137.2	127.2	119.3	117.7
77.5°	112.2	122.2	134.0	144.3	141.4	126.7	110.2	99.3	92.0	86.7	85.9
80°	85.7	91.5	99.9	107.3	103.5	97.3	84.1	76.2	71.0	65.7	63.6
82.5°	62.1	67.9	73.0	76.9	74.1	68.2	60.1	54.7	51.7	48.0	47.2
85°	32.6	35.7	37.9	38.9	37.9	34.1	30.5	28.4	25.7	24.2	23.7
87.5°	17.8	16.8	15.8	15.8	14.0	13.5	11.2	9.4	9.6	9.7	9.4
90°	25.9	20.9	15.8	12.0	9.3	6.5	3.8	1.0	3.8	6.5	9.3
92.5°	30.3	29.1	27.9	26.3	24.3	22.3	20.3	18.3	20.3	22.3	24.3
95°	64.8	64.4	63.9	62.6	60.3	58.0	55.7	53.4	55.7	58.0	60.3
97.5°	108.8	107.9	107.0	105.6	103.6	101.6	99.6	97.6	99.6	101.6	103.6
100°	140.4	139.7	139.0	137.8	135.9	134.1	132.3	130.5	132.3	134.1	135.9
102.5°	173.7	172.9	172.0	170.8	169.4	167.9	166.4	164.9	166.4	167.9	169.4
105°	225.1	224.6	224.2	223.6	222.9	222.2	221.5	220.9	221.5	222.2	222.9
107.5°	281.6	281.6	281.6	281.1	280.1	279.2	278.1	277.1	278.1	279.2	280.1
110°	319.5	319.5	319.5	318.8	317.4	316.0	314.7	313.3	314.7	316.0	317.4





TEST NUMBER: P331574-927

CATALOG NUMBER: S122DIW-S865D1240U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	358.5	358.6	358.8	358.2	356.9	355.5	354.1	352.8	354.1	355.5	356.9
115°	415.9	416.4	416.8	416.4	414.9	413.6	412.3	410.9	412.3	413.6	414.9
117.5°	473.8	475.1	476.4	476.1	474.3	472.5	470.6	468.8	470.6	472.5	474.3
120°	511.1	512.9	514.8	514.8	512.9	511.1	509.2	507.4	509.2	511.1	512.9
122.5°	549.5	550.7	552.0	551.5	549.3	547.2	544.9	542.7	544.9	547.2	549.3
125°	605.4	606.0	606.7	606.0	604.0	601.9	599.8	597.8	599.8	601.9	604.0
127.5°	661.1	661.9	662.7	661.9	659.3	656.6	654.0	651.4	654.0	656.6	659.3
130°	697.4	697.8	698.2	697.0	694.0	691.1	688.1	685.2	688.1	691.1	694.0
132.5°	734.0	734.0	733.9	732.6	730.2	727.8	725.3	722.9	725.3	727.8	730.2
135°	785.9	785.4	785.0	783.5	781.0	778.5	775.9	773.5	775.9	778.5	781.0
137.5°	837.4	836.8	836.2	834.9	832.8	830.8	828.7	826.6	828.7	830.8	832.8
140°	870.8	869.7	868.5	867.0	864.9	862.8	860.8	858.7	860.8	862.8	864.9
142.5°	902.8	902.0	901.2	899.8	897.8	895.7	893.7	891.6	893.7	895.7	897.8
145°	949.4	948.1	946.7	945.2	943.6	942.1	940.5	938.8	940.5	942.1	943.6
147.5°	991.9	990.9	990.1	988.6	986.7	984.8	982.9	981.0	982.9	984.8	986.7
150°	1018.2	1017.2	1016.4	1015.2	1013.8	1012.5	1011.1	1009.7	1011.1	1012.5	1013.8
152.5°	1044.1	1043.0	1041.9	1040.7	1039.3	1037.9	1036.6	1035.2	1036.6	1037.9	1039.3
155°	1078.2	1077.5	1076.8	1076.2	1075.5	1074.8	1074.1	1073.4	1074.1	1074.8	1075.5
157.5°	1109.1	1108.7	1108.3	1107.9	1107.5	1107.0	1106.5	1106.0	1106.5	1107.0	1107.5
160°	1128.4	1128.1	1128.0	1127.6	1127.2	1126.7	1126.2	1125.8	1126.2	1126.7	1127.2
162.5°	1144.9	1144.6	1144.4	1144.2	1144.1	1144.1	1144.0	1143.8	1144.0	1144.1	1144.1
165°	1166.9	1166.9	1166.9	1167.0	1167.2	1167.4	1167.7	1167.9	1167.7	1167.4	1167.2
167.5°	1184.9	1184.9	1184.9	1185.3	1186.0	1186.7	1187.3	1188.0	1187.3	1186.7	1186.0
170°	1195.1	1195.3	1195.6	1196.0	1196.7	1197.4	1198.0	1198.7	1198.0	1197.4	1196.7
172.5°	1202.5	1202.7	1202.9	1203.4	1204.0	1204.8	1205.5	1206.1	1205.5	1204.8	1204.0
175°	1210.9	1211.4	1211.9	1212.4	1213.1	1213.8	1214.5	1215.1	1214.5	1213.8	1213.1
177.5°	1215.4	1215.8	1216.2	1216.6	1217.2	1217.7	1218.3	1218.9	1218.3	1217.7	1217.2
180°	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2



TEST NUMBER: P331574-927

CATALOG NUMBER: S122DIW-S865D1240U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1349.6	1347.1	1338.3	1333.7	1326.1	1319.0	1314.3	1316.4	1318.1	1317.2	1316.1
5°	1311.0	1301.0	1285.7	1272.6	1263.1	1245.8	1238.4	1234.8	1231.6	1227.9	1224.2
7.5°	1265.0	1249.2	1227.2	1208.6	1190.9	1169.3	1157.1	1149.7	1142.2	1133.9	1126.5
10°	1232.2	1210.1	1186.9	1160.6	1139.6	1120.1	1102.8	1091.2	1080.8	1070.7	1063.4
12.5°	1197.6	1172.2	1143.6	1107.6	1084.5	1056.7	1054.0	1033.6	1017.2	1011.1	1002.4
15°	1142.8	1107.0	1070.7	1028.2	1009.8	984.5	968.8	953.0	938.8	928.8	926.2
17.5°	1080.5	1034.2	998.1	967.5	937.3	911.5	897.0	884.4	872.7	859.4	857.5
20°	1032.9	992.9	953.5	926.7	895.7	869.4	851.5	838.9	828.9	821.1	814.2
22.5°	987.9	944.2	908.1	878.8	848.2	827.0	812.9	800.7	792.3	783.6	777.2
25°	915.7	881.5	842.1	809.0	783.7	770.1	758.5	748.0	742.8	737.0	729.6
27.5°	852.5	814.5	777.7	752.0	729.8	717.7	709.6	702.3	697.4	694.0	689.8
30°	807.9	769.5	740.6	715.4	697.0	684.9	679.7	675.5	669.7	667.6	665.5
32.5°	765.0	730.5	705.8	683.9	666.3	658.5	653.6	649.8	645.3	643.2	639.0
35°	704.4	675.5	651.3	639.2	625.0	618.1	614.5	609.3	605.0	602.9	602.4
37.5°	647.3	622.2	606.3	590.7	584.7	580.5	575.5	571.9	570.6	570.3	569.8
40°	610.3	589.8	575.6	563.0	560.3	554.1	549.9	546.7	546.7	547.2	546.7
42.5°	576.6	558.3	545.7	534.8	531.7	528.0	523.8	523.6	524.4	526.2	524.4
45°	525.6	512.5	503.6	498.3	492.5	488.9	488.3	489.9	490.4	491.0	492.5
47.5°	478.8	470.0	461.9	456.1	453.6	453.0	452.3	455.1	457.6	458.6	461.0
50°	451.0	441.0	434.2	430.5	428.4	427.4	428.4	431.6	433.6	436.3	437.8
52.5°	419.9	412.8	408.1	405.3	404.4	405.0	405.3	408.8	412.3	413.1	413.9
55°	376.9	371.6	370.6	365.8	368.0	367.4	370.0	372.2	375.3	378.5	379.0
57.5°	334.0	329.8	326.9	327.4	328.0	330.3	332.6	336.2	339.6	342.9	343.3
60°	305.4	303.3	301.7	301.7	302.8	305.9	308.6	312.2	314.3	316.5	318.0
62.5°	279.3	277.3	275.7	276.5	279.2	281.1	284.2	286.1	288.3	290.3	291.1
65°	238.1	237.1	238.7	239.7	240.2	242.9	246.5	248.1	250.2	251.3	254.9
67.5°	200.2	200.3	200.2	201.6	204.7	205.3	208.8	212.5	212.9	214.9	217.3
70°	174.5	175.5	176.7	177.7	180.3	181.3	183.9	185.5	187.7	189.3	190.8
72.5°	151.0	151.1	152.3	152.0	154.2	156.5	158.8	160.3	162.4	164.5	166.0
75°	116.1	116.1	117.2	117.7	120.4	123.0	122.5	123.5	125.6	127.7	128.8
77.5°	84.8	83.7	84.8	85.4	86.2	88.4	88.8	90.3	92.7	92.0	93.2
80°	64.6	63.1	64.6	65.2	65.2	67.8	67.8	68.8	70.4	68.8	70.4
82.5°	46.2	45.4	46.6	46.7	47.5	47.6	48.5	48.6	50.2	49.5	50.2
85°	23.1	22.6	23.1	22.6	23.1	23.7	23.7	23.1	23.1	24.2	22.6
87.5°	9.5	9.9	10.5	11.5	12.0	12.7	12.1	12.0	12.0	11.0	11.0
90°	12.0	15.8	20.9	25.9	30.9	36.0	35.5	35.0	34.6	34.1	34.0
92.5°	26.3	27.9	29.1	30.3	31.4	32.6	32.7	32.9	33.0	33.0	33.1
95°	62.6	63.9	64.4	64.8	65.3	65.8	65.8	65.8	65.8	65.8	65.5
97.5°	105.6	107.0	107.9	108.8	109.6	110.5	110.5	110.5	110.5	110.5	110.5
100°	137.8	139.0	139.7	140.4	141.1	141.7	141.7	141.7	141.7	141.7	141.6
102.5°	170.8	172.0	172.9	173.7	174.6	175.5	175.6	175.8	176.0	176.2	176.2
105°	223.6	224.2	224.6	225.1	225.5	226.0	226.4	226.9	227.4	227.8	228.1
107.5°	281.1	281.6	281.6	281.6	281.6	281.6	281.9	282.0	282.2	282.4	281.9
110°	318.8	319.5	319.5	319.5	319.5	319.5	319.5	319.5	319.5	319.5	319.1



TEST NUMBER: P331574-927

CATALOG NUMBER: S122DIW-S865D1240U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	358.2	358.8	358.6	358.5	358.2	358.1	357.5	357.0	356.4	355.8	355.4
115°	416.4	416.8	416.4	415.9	415.4	414.9	414.8	414.5	414.3	414.1	413.6
117.5°	476.1	476.4	475.1	473.8	472.5	471.3	470.7	470.2	469.6	469.1	468.5
120°	514.8	514.8	512.9	511.1	509.2	507.4	507.4	507.4	507.4	507.4	507.1
122.5°	551.5	552.0	550.7	549.5	548.1	546.8	546.3	545.8	545.3	544.7	544.2
125°	606.0	606.7	606.0	605.4	604.7	604.0	603.3	602.6	601.9	601.3	600.8
127.5°	661.9	662.7	661.9	661.1	660.3	659.4	658.6	657.8	657.0	656.2	655.4
130°	697.0	698.2	697.8	697.4	696.9	696.4	695.9	695.5	695.1	694.6	694.0
132.5°	732.6	733.9	734.0	734.0	734.1	734.2	733.2	732.2	731.2	730.2	729.4
135°	783.5	785.0	785.4	785.9	786.4	786.8	786.6	786.4	786.2	785.9	785.4
137.5°	834.9	836.2	836.8	837.4	838.0	838.6	838.4	838.2	838.0	837.9	837.3
140°	867.0	868.5	869.7	870.8	872.0	873.1	873.1	873.1	873.1	873.1	872.7
142.5°	899.8	901.2	902.0	902.8	903.6	904.4	904.5	904.7	904.9	905.1	904.7
145°	945.2	946.7	948.1	949.4	950.9	952.2	952.4	952.7	952.9	953.1	952.8
147.5°	988.6	990.1	990.9	991.9	992.8	993.7	994.2	994.7	995.2	995.7	995.5
150°	1015.2	1016.4	1017.2	1018.2	1019.1	1020.0	1020.6	1021.4	1022.1	1022.7	1022.7
152.5°	1040.7	1041.9	1043.0	1044.1	1045.2	1046.3	1047.2	1048.1	1048.8	1049.7	1049.7
155°	1076.2	1076.8	1077.5	1078.2	1078.9	1079.6	1080.7	1081.9	1083.0	1084.1	1084.3
157.5°	1107.9	1108.3	1108.7	1109.1	1109.5	1110.0	1111.5	1113.1	1114.6	1116.2	1116.4
160°	1127.6	1128.0	1128.1	1128.4	1128.6	1128.9	1130.2	1131.6	1133.0	1134.3	1134.6
162.5°	1144.2	1144.4	1144.6	1144.9	1145.1	1145.3	1146.8	1148.4	1149.9	1151.5	1151.8
165°	1167.0	1166.9	1166.9	1166.9	1166.9	1166.9	1168.5	1170.1	1171.6	1173.3	1173.5
167.5°	1185.3	1184.9	1184.9	1184.9	1184.8	1184.7	1186.4	1188.0	1189.5	1191.1	1191.4
170°	1196.0	1195.6	1195.3	1195.1	1194.8	1194.6	1196.2	1197.8	1199.4	1201.0	1201.1
172.5°	1203.4	1202.9	1202.7	1202.5	1202.2	1202.0	1203.6	1205.2	1206.8	1208.4	1208.5
175°	1212.4	1211.9	1211.4	1210.9	1210.5	1210.0	1211.6	1213.2	1214.8	1216.4	1216.6
177.5°	1216.6	1216.2	1215.8	1215.4	1215.1	1214.7	1215.8	1217.0	1218.1	1219.1	1219.1
180°	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2



TEST NUMBER: P331574-927

CATALOG NUMBER: S122DIW-S865D1240U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1311.8	1311.0	1311.0	1307.2	1311.0	1311.0	1311.8	1316.1	1317.2	1318.1	1316.4
5°	1216.9	1215.3	1212.7	1215.3	1212.7	1215.3	1216.9	1224.2	1227.9	1231.6	1234.8
7.5°	1123.0	1116.7	1115.7	1109.5	1115.7	1116.7	1123.0	1126.5	1133.9	1142.2	1149.7
10°	1054.5	1050.3	1049.7	1039.7	1049.7	1050.3	1054.5	1063.4	1070.7	1080.8	1091.2
12.5°	1002.3	992.2	994.2	988.4	994.2	992.2	1002.3	1002.4	1011.1	1017.2	1033.6
15°	912.0	912.0	909.9	900.9	909.9	912.0	912.0	926.2	928.8	938.8	953.0
17.5°	847.2	846.1	841.1	843.6	841.1	846.1	847.2	857.5	859.4	872.7	884.4
20°	808.4	805.3	799.0	799.0	799.0	805.3	808.4	814.2	821.1	828.9	838.9
22.5°	771.9	771.7	764.9	767.0	764.9	771.7	771.9	777.2	783.6	792.3	800.7
25°	729.0	724.8	721.8	723.3	721.8	724.8	729.0	729.6	737.0	742.8	748.0
27.5°	688.5	686.2	686.0	681.7	686.0	686.2	688.5	689.8	694.0	697.4	702.3
30°	665.0	659.7	660.8	658.1	660.8	659.7	665.0	665.5	667.6	669.7	675.5
32.5°	638.0	636.1	635.1	632.9	635.1	636.1	638.0	639.0	643.2	645.3	649.8
35°	601.3	601.9	599.2	600.3	599.2	601.9	601.3	602.4	602.9	605.0	609.3
37.5°	569.3	570.9	569.7	570.1	569.7	570.9	569.3	569.8	570.3	570.6	571.9
40°	548.3	548.3	548.3	549.9	548.3	548.3	548.3	546.7	547.2	546.7	546.7
42.5°	528.1	527.2	526.4	526.2	526.4	527.2	528.1	524.4	526.2	524.4	523.6
45°	493.6	495.2	495.7	493.1	495.7	495.2	493.6	492.5	491.0	490.4	489.9
47.5°	462.4	462.6	462.4	464.7	462.4	462.6	462.4	461.0	458.6	457.6	455.1
50°	440.5	439.4	440.5	439.4	440.5	439.4	440.5	437.8	436.3	433.6	431.6
52.5°	417.4	417.6	416.9	416.8	416.9	417.6	417.4	413.9	413.1	412.3	408.8
55°	381.1	382.1	381.6	381.6	381.6	382.1	381.1	379.0	378.5	375.3	372.2
57.5°	343.6	344.5	345.2	342.9	345.2	344.5	343.6	343.3	342.9	339.6	336.2
60°	317.5	320.1	319.6	318.5	319.6	320.1	317.5	318.0	316.5	314.3	312.2
62.5°	293.5	294.5	294.4	294.1	294.4	294.5	293.5	291.1	290.3	288.3	286.1
65°	256.5	257.5	256.0	257.5	256.0	257.5	256.5	254.9	251.3	250.2	248.1
67.5°	216.7	217.0	218.2	218.9	218.2	217.0	216.7	217.3	214.9	212.9	212.5
70°	191.9	191.3	192.9	194.5	192.9	191.3	191.9	190.8	189.3	187.7	185.5
72.5°	165.8	166.9	166.4	167.5	166.4	166.9	165.8	166.0	164.5	162.4	160.3
75°	127.7	129.3	128.8	130.4	128.8	129.3	127.7	128.8	127.7	125.6	123.5
77.5°	92.3	92.5	92.3	93.2	92.3	92.5	92.3	93.2	92.0	92.7	90.3
80°	70.4	69.4	68.4	70.4	68.4	69.4	70.4	70.4	68.8	70.4	68.8
82.5°	49.0	49.6	48.6	48.6	48.6	49.6	49.0	50.2	49.5	50.2	48.6
85°	22.6	22.1	21.0	21.0	21.0	22.1	22.6	22.6	24.2	23.1	23.1
87.5°	11.1	10.7	10.7	10.4	10.7	10.7	11.1	11.0	11.0	12.0	12.0
90°	34.2	34.5	34.7	34.9	34.7	34.5	34.2	34.0	34.1	34.6	35.0
92.5°	33.1	33.2	33.3	33.3	33.3	33.2	33.1	33.1	33.0	33.0	32.9
95°	65.0	64.6	64.2	63.7	64.2	64.6	65.0	65.5	65.8	65.8	65.8
97.5°	110.4	110.4	110.4	110.4	110.4	110.4	110.4	110.5	110.5	110.5	110.5
100°	141.4	141.2	140.9	140.7	140.9	141.2	141.4	141.6	141.7	141.7	141.7
102.5°	175.9	175.7	175.5	175.2	175.5	175.7	175.9	176.2	176.2	176.0	175.8
105°	228.1	228.1	228.1	228.1	228.1	228.1	228.1	228.1	227.8	227.4	226.9
107.5°	280.9	279.9	278.8	277.7	278.8	279.9	280.9	281.9	282.4	282.2	282.0
110°	318.5	317.7	317.0	316.4	317.0	317.7	318.5	319.1	319.5	319.5	319.5



TEST NUMBER: P331574-927

CATALOG NUMBER: S122DIW-S865D1240U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	354.8	354.3	353.9	353.3	353.9	354.3	354.8	355.4	355.8	356.4	357.0
115°	413.0	412.3	411.5	410.9	411.5	412.3	413.0	413.6	414.1	414.3	414.5
117.5°	467.8	467.1	466.4	465.7	466.4	467.1	467.8	468.5	469.1	469.6	470.2
120°	506.4	505.7	505.0	504.4	505.0	505.7	506.4	507.1	507.4	507.4	507.4
122.5°	543.7	543.1	542.6	542.2	542.6	543.1	543.7	544.2	544.7	545.3	545.8
125°	600.6	600.3	600.1	599.8	600.1	600.3	600.6	600.8	601.3	601.9	602.6
127.5°	654.7	653.9	653.2	652.4	653.2	653.9	654.7	655.4	656.2	657.0	657.8
130°	693.0	692.1	691.2	690.2	691.2	692.1	693.0	694.0	694.6	695.1	695.5
132.5°	728.6	727.9	727.1	726.4	727.1	727.9	728.6	729.4	730.2	731.2	732.2
135°	784.7	784.1	783.4	782.7	783.4	784.1	784.7	785.4	785.9	786.2	786.4
137.5°	836.4	835.5	834.6	833.7	834.6	835.5	836.4	837.3	837.9	838.0	838.2
140°	871.7	870.8	869.9	869.0	869.9	870.8	871.7	872.7	873.1	873.1	873.1
142.5°	903.8	902.9	902.0	901.0	902.0	902.9	903.8	904.7	905.1	904.9	904.7
145°	951.9	950.9	950.1	949.1	950.1	950.9	951.9	952.8	953.1	952.9	952.7
147.5°	994.7	993.8	992.9	992.0	992.9	993.8	994.7	995.5	995.7	995.2	994.7
150°	1022.1	1021.4	1020.6	1020.0	1020.6	1021.4	1022.1	1022.7	1022.7	1022.1	1021.4
152.5°	1048.8	1048.1	1047.2	1046.3	1047.2	1048.1	1048.8	1049.7	1049.7	1048.8	1048.1
155°	1083.7	1083.0	1082.3	1081.6	1082.3	1083.0	1083.7	1084.3	1084.1	1083.0	1081.9
157.5°	1115.3	1114.2	1113.1	1112.0	1113.1	1114.2	1115.3	1116.4	1116.2	1114.6	1113.1
160°	1133.7	1132.7	1131.9	1130.9	1131.9	1132.7	1133.7	1134.6	1134.3	1133.0	1131.6
162.5°	1150.6	1149.5	1148.4	1147.4	1148.4	1149.5	1150.6	1151.8	1151.5	1149.9	1148.4
165°	1172.4	1171.2	1170.1	1168.9	1170.1	1171.2	1172.4	1173.5	1173.3	1171.6	1170.1
167.5°	1190.2	1189.0	1187.8	1186.6	1187.8	1189.0	1190.2	1191.4	1191.1	1189.5	1188.0
170°	1199.8	1198.4	1197.0	1195.6	1197.0	1198.4	1199.8	1201.1	1201.0	1199.4	1197.8
172.5°	1207.1	1205.8	1204.4	1203.0	1204.4	1205.8	1207.1	1208.5	1208.4	1206.8	1205.2
175°	1215.1	1213.8	1212.4	1211.0	1212.4	1213.8	1215.1	1216.6	1216.4	1214.8	1213.2
177.5°	1218.1	1217.0	1215.8	1214.7	1215.8	1217.0	1218.1	1219.1	1219.1	1218.1	1217.0
180°	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2



TEST NUMBER: P331574-927

CATALOG NUMBER: S122DIW-S865D1240U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1314.3	1319.0	1326.1	1333.7	1338.3	1347.1	1349.6	1353.8	1357.6	1366.5	1375.7
5°	1238.4	1245.8	1263.1	1272.6	1285.7	1301.0	1311.0	1321.5	1333.1	1353.0	1371.4
7.5°	1157.1	1169.3	1190.9	1208.6	1227.2	1249.2	1265.0	1285.7	1303.0	1331.2	1358.0
10°	1102.8	1120.1	1139.6	1160.6	1186.9	1210.1	1232.2	1258.4	1279.5	1313.0	1344.7
12.5°	1054.0	1056.7	1084.5	1107.6	1143.6	1172.2	1197.6	1231.5	1252.1	1292.0	1325.2
15°	968.8	984.5	1009.8	1028.2	1070.7	1107.0	1142.8	1178.0	1201.7	1251.0	1294.7
17.5°	897.0	911.5	937.3	967.5	998.1	1034.2	1080.5	1117.5	1149.7	1206.2	1257.7
20°	851.5	869.4	895.7	926.7	953.5	992.9	1032.9	1075.5	1110.2	1173.8	1234.2
22.5°	812.9	827.0	848.2	878.8	908.1	944.2	987.9	1034.3	1070.6	1139.3	1200.6
25°	758.5	770.1	783.7	809.0	842.1	881.5	915.7	966.7	1019.8	1083.9	1158.0
27.5°	709.6	717.7	729.8	752.0	777.7	814.5	852.5	900.9	954.3	1023.9	1102.1
30°	679.7	684.9	697.0	715.4	740.6	769.5	807.9	854.2	908.9	979.3	1057.1
32.5°	653.6	658.5	666.3	683.9	705.8	730.5	765.0	811.3	863.4	932.6	1018.8
35°	614.5	618.1	625.0	639.2	651.3	675.5	704.4	746.4	795.3	861.6	950.9
37.5°	575.5	580.5	584.7	590.7	606.3	622.2	647.3	682.8	730.8	797.6	882.8
40°	549.9	554.1	560.3	563.0	575.6	589.8	610.3	642.9	691.3	752.2	835.3
42.5°	523.8	528.0	531.7	534.8	545.7	558.3	576.6	604.6	647.5	706.8	789.0
45°	488.3	488.9	492.5	498.3	503.6	512.5	525.6	549.9	583.0	638.7	713.3
47.5°	452.3	453.0	453.6	456.1	461.9	470.0	478.8	498.4	528.1	572.5	645.2
50°	428.4	427.4	428.4	430.5	434.2	441.0	451.0	465.2	489.4	530.9	597.7
52.5°	405.3	405.0	404.4	405.3	408.1	412.8	419.9	432.0	453.6	491.8	550.6
55°	370.0	367.4	368.0	365.8	370.6	371.6	376.9	386.9	405.8	432.1	487.3
57.5°	332.6	330.3	328.0	327.4	326.9	329.8	334.0	341.9	356.4	379.4	424.2
60°	308.6	305.9	302.8	301.7	301.7	303.3	305.4	311.2	324.9	345.4	382.1
62.5°	284.2	281.1	279.2	276.5	275.7	277.3	279.3	283.4	293.3	312.5	344.3
65°	246.5	242.9	240.2	239.7	238.7	237.1	238.1	242.3	250.2	265.5	290.7
67.5°	208.8	205.3	204.7	201.6	200.2	200.3	200.2	203.7	208.5	221.7	240.4
70°	183.9	181.3	180.3	177.7	176.7	175.5	174.5	177.7	182.4	193.5	209.8
72.5°	158.8	156.5	154.2	152.0	152.3	151.1	151.0	152.9	156.8	166.9	179.4
75°	122.5	123.0	120.4	117.7	117.2	116.1	116.1	117.7	119.3	127.2	137.2
77.5°	88.8	88.4	86.2	85.4	84.8	83.7	84.8	85.9	86.7	92.0	99.3
80°	67.8	67.8	65.2	65.2	64.6	63.1	64.6	63.6	65.7	71.0	76.2
82.5°	48.5	47.6	47.5	46.7	46.6	45.4	46.2	47.2	48.0	51.7	54.7
85°	23.7	23.7	23.1	22.6	23.1	22.6	23.1	23.7	24.2	25.7	28.4
87.5°	12.1	12.7	12.0	11.5	10.5	9.9	9.5	9.4	9.7	9.6	9.4
90°	35.5	36.0	30.9	25.9	20.9	15.8	12.0	9.3	6.5	3.8	1.0
92.5°	32.7	32.6	31.4	30.3	29.1	27.9	26.3	24.3	22.3	20.3	18.3
95°	65.8	65.8	65.3	64.8	64.4	63.9	62.6	60.3	58.0	55.7	53.4
97.5°	110.5	110.5	109.6	108.8	107.9	107.0	105.6	103.6	101.6	99.6	97.6
100°	141.7	141.7	141.1	140.4	139.7	139.0	137.8	135.9	134.1	132.3	130.5
102.5°	175.6	175.5	174.6	173.7	172.9	172.0	170.8	169.4	167.9	166.4	164.9
105°	226.4	226.0	225.5	225.1	224.6	224.2	223.6	222.9	222.2	221.5	220.9
107.5°	281.9	281.6	281.6	281.6	281.6	281.6	281.1	280.1	279.2	278.1	277.1
110°	319.5	319.5	319.5	319.5	319.5	319.5	318.8	317.4	316.0	314.7	313.3



TEST NUMBER: P331574-927

CATALOG NUMBER: S122DIW-S865D1240U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	357.5	358.1	358.2	358.5	358.6	358.8	358.2	356.9	355.5	354.1	352.8
115°	414.8	414.9	415.4	415.9	416.4	416.8	416.4	414.9	413.6	412.3	410.9
117.5°	470.7	471.3	472.5	473.8	475.1	476.4	476.1	474.3	472.5	470.6	468.8
120°	507.4	507.4	509.2	511.1	512.9	514.8	514.8	512.9	511.1	509.2	507.4
122.5°	546.3	546.8	548.1	549.5	550.7	552.0	551.5	549.3	547.2	544.9	542.7
125°	603.3	604.0	604.7	605.4	606.0	606.7	606.0	604.0	601.9	599.8	597.8
127.5°	658.6	659.4	660.3	661.1	661.9	662.7	661.9	659.3	656.6	654.0	651.4
130°	695.9	696.4	696.9	697.4	697.8	698.2	697.0	694.0	691.1	688.1	685.2
132.5°	733.2	734.2	734.1	734.0	734.0	733.9	732.6	730.2	727.8	725.3	722.9
135°	786.6	786.8	786.4	785.9	785.4	785.0	783.5	781.0	778.5	775.9	773.5
137.5°	838.4	838.6	838.0	837.4	836.8	836.2	834.9	832.8	830.8	828.7	826.6
140°	873.1	873.1	872.0	870.8	869.7	868.5	867.0	864.9	862.8	860.8	858.7
142.5°	904.5	904.4	903.6	902.8	902.0	901.2	899.8	897.8	895.7	893.7	891.6
145°	952.4	952.2	950.9	949.4	948.1	946.7	945.2	943.6	942.1	940.5	938.8
147.5°	994.2	993.7	992.8	991.9	990.9	990.1	988.6	986.7	984.8	982.9	981.0
150°	1020.6	1020.0	1019.1	1018.2	1017.2	1016.4	1015.2	1013.8	1012.5	1011.1	1009.7
152.5°	1047.2	1046.3	1045.2	1044.1	1043.0	1041.9	1040.7	1039.3	1037.9	1036.6	1035.2
155°	1080.7	1079.6	1078.9	1078.2	1077.5	1076.8	1076.2	1075.5	1074.8	1074.1	1073.4
157.5°	1111.5	1110.0	1109.5	1109.1	1108.7	1108.3	1107.9	1107.5	1107.0	1106.5	1106.0
160°	1130.2	1128.9	1128.6	1128.4	1128.1	1128.0	1127.6	1127.2	1126.7	1126.2	1125.8
162.5°	1146.8	1145.3	1145.1	1144.9	1144.6	1144.4	1144.2	1144.1	1144.1	1144.0	1143.8
165°	1168.5	1166.9	1166.9	1166.9	1166.9	1166.9	1167.0	1167.2	1167.4	1167.7	1167.9
167.5°	1186.4	1184.7	1184.8	1184.9	1184.9	1184.9	1185.3	1186.0	1186.7	1187.3	1188.0
170°	1196.2	1194.6	1194.8	1195.1	1195.3	1195.6	1196.0	1196.7	1197.4	1198.0	1198.7
172.5°	1203.6	1202.0	1202.2	1202.5	1202.7	1202.9	1203.4	1204.0	1204.8	1205.5	1206.1
175°	1211.6	1210.0	1210.5	1210.9	1211.4	1211.9	1212.4	1213.1	1213.8	1214.5	1215.1
177.5°	1215.8	1214.7	1215.1	1215.4	1215.8	1216.2	1216.6	1217.2	1217.7	1218.3	1218.9
180°	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2



TEST NUMBER: P331574-927

CATALOG NUMBER: S122DIW-S865D1240U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1374.9	1377.0	1383.7	1390.4	1398.0	1400.1	1403.5	1400.6	1399.7	1407.7	1413.6
5°	1378.8	1388.2	1406.7	1423.5	1437.7	1447.6	1458.2	1462.4	1470.2	1481.3	1494.9
7.5°	1374.4	1392.7	1421.7	1446.2	1472.9	1492.1	1507.1	1520.0	1535.6	1556.5	1579.3
10°	1369.3	1394.0	1429.3	1459.2	1491.8	1516.5	1537.0	1557.0	1580.1	1609.0	1638.9
12.5°	1360.1	1389.4	1433.5	1468.9	1510.7	1535.0	1562.7	1605.8	1630.5	1670.9	1713.0
15°	1341.5	1374.0	1435.5	1479.2	1526.5	1572.7	1623.7	1664.8	1705.7	1729.4	1788.8
17.5°	1313.8	1361.7	1429.7	1480.7	1540.8	1613.7	1671.0	1717.4	1764.7	1803.1	1832.9
20°	1291.5	1343.5	1421.3	1482.3	1553.8	1632.1	1697.9	1745.2	1786.1	1818.2	1836.6
22.5°	1263.4	1328.8	1404.5	1476.0	1567.3	1644.7	1713.8	1751.0	1785.3	1800.9	1808.0
25°	1219.0	1297.8	1383.5	1470.8	1573.8	1655.8	1718.9	1741.5	1751.4	1736.2	1711.0
27.5°	1171.2	1259.0	1359.2	1460.9	1569.8	1648.6	1693.8	1690.3	1673.3	1624.1	1584.6
30°	1135.4	1232.2	1339.9	1450.8	1560.1	1636.9	1663.2	1636.9	1598.5	1543.3	1487.1
32.5°	1098.0	1198.1	1319.3	1436.5	1542.5	1610.0	1615.7	1570.4	1511.0	1448.3	1378.2
35°	1041.3	1149.6	1280.5	1404.5	1504.9	1547.5	1522.3	1442.4	1372.0	1286.3	1190.6
37.5°	977.3	1096.9	1228.1	1357.7	1448.7	1459.8	1397.2	1313.0	1213.7	1113.0	1000.4
40°	929.4	1056.1	1191.1	1322.0	1402.4	1390.8	1311.0	1218.5	1100.2	977.2	872.6
42.5°	886.5	1013.1	1150.7	1279.1	1343.5	1311.8	1218.5	1104.9	977.8	862.0	766.2
45°	812.1	942.5	1083.4	1207.4	1244.2	1186.9	1063.4	937.2	812.1	715.4	639.7
47.5°	740.0	868.9	1008.4	1117.5	1130.4	1053.4	918.4	788.6	681.0	602.3	548.9
50°	687.1	816.3	954.6	1051.9	1047.6	954.6	815.8	692.3	602.4	538.8	503.0
52.5°	639.5	761.7	894.5	982.9	960.6	859.1	726.7	617.0	543.1	493.4	461.0
55°	565.6	678.6	804.8	875.8	834.7	722.2	610.3	522.0	467.3	430.0	404.7
57.5°	492.2	598.2	706.2	749.9	704.6	600.7	507.4	443.3	402.2	374.5	358.1
60°	446.8	539.3	635.5	673.4	619.2	526.7	453.1	395.9	362.7	340.1	325.3
62.5°	401.4	484.3	575.0	595.6	546.1	467.9	402.7	355.1	327.8	307.7	293.8
65°	339.6	407.3	476.3	489.9	444.2	383.7	332.2	301.2	277.0	262.3	251.3
67.5°	278.5	333.0	381.8	392.8	352.7	310.8	273.5	246.5	230.1	217.9	208.6
70°	242.3	285.4	325.3	334.3	302.2	264.9	236.5	215.0	200.3	189.7	180.9
72.5°	204.1	240.0	273.2	279.2	253.0	224.6	201.2	184.3	171.3	164.5	156.0
75°	156.1	177.1	202.9	204.5	187.1	169.8	151.9	140.9	134.0	125.6	121.4
77.5°	110.2	126.7	141.4	144.3	134.0	122.2	112.2	103.5	97.7	93.8	89.9
80°	84.1	97.3	103.5	107.3	99.9	91.5	85.7	79.9	76.2	73.6	71.0
82.5°	60.1	68.2	74.1	76.9	73.0	67.9	62.1	58.9	56.0	53.8	52.9
85°	30.5	34.1	37.9	38.9	37.9	35.7	32.6	32.6	31.0	30.5	30.5
87.5°	11.2	13.5	14.0	15.8	15.8	16.8	17.8	18.4	18.9	18.5	17.9
90°	3.8	6.5	9.3	12.0	15.8	20.9	25.9	30.9	36.0	35.5	35.0
92.5°	20.3	22.3	24.3	26.3	27.9	29.1	30.3	31.4	32.6	32.7	32.9
95°	55.7	58.0	60.3	62.6	63.9	64.4	64.8	65.3	65.8	65.8	65.8
97.5°	99.6	101.6	103.6	105.6	107.0	107.9	108.8	109.6	110.5	110.5	110.5
100°	132.3	134.1	135.9	137.8	139.0	139.7	140.4	141.1	141.7	141.7	141.7
102.5°	166.4	167.9	169.4	170.8	172.0	172.9	173.7	174.6	175.5	175.6	175.8
105°	221.5	222.2	222.9	223.6	224.2	224.6	225.1	225.5	226.0	226.4	226.9
107.5°	278.1	279.2	280.1	281.1	281.6	281.6	281.6	281.6	281.6	281.9	282.0
110°	314.7	316.0	317.4	318.8	319.5	319.5	319.5	319.5	319.5	319.5	319.5





TEST NUMBER: P331574-927

CATALOG NUMBER: S122DIW-S865D1240U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	354.1	355.5	356.9	358.2	358.8	358.6	358.5	358.2	358.1	357.5	357.0
115°	412.3	413.6	414.9	416.4	416.8	416.4	415.9	415.4	414.9	414.8	414.5
117.5°	470.6	472.5	474.3	476.1	476.4	475.1	473.8	472.5	471.3	470.7	470.2
120°	509.2	511.1	512.9	514.8	514.8	512.9	511.1	509.2	507.4	507.4	507.4
122.5°	544.9	547.2	549.3	551.5	552.0	550.7	549.5	548.1	546.8	546.3	545.8
125°	599.8	601.9	604.0	606.0	606.7	606.0	605.4	604.7	604.0	603.3	602.6
127.5°	654.0	656.6	659.3	661.9	662.7	661.9	661.1	660.3	659.4	658.6	657.8
130°	688.1	691.1	694.0	697.0	698.2	697.8	697.4	696.9	696.4	695.9	695.5
132.5°	725.3	727.8	730.2	732.6	733.9	734.0	734.0	734.1	734.2	733.2	732.2
135°	775.9	778.5	781.0	783.5	785.0	785.4	785.9	786.4	786.8	786.6	786.4
137.5°	828.7	830.8	832.8	834.9	836.2	836.8	837.4	838.0	838.6	838.4	838.2
140°	860.8	862.8	864.9	867.0	868.5	869.7	870.8	872.0	873.1	873.1	873.1
142.5°	893.7	895.7	897.8	899.8	901.2	902.0	902.8	903.6	904.4	904.5	904.7
145°	940.5	942.1	943.6	945.2	946.7	948.1	949.4	950.9	952.2	952.4	952.7
147.5°	982.9	984.8	986.7	988.6	990.1	990.9	991.9	992.8	993.7	994.2	994.7
150°	1011.1	1012.5	1013.8	1015.2	1016.4	1017.2	1018.2	1019.1	1020.0	1020.6	1021.4
152.5°	1036.6	1037.9	1039.3	1040.7	1041.9	1043.0	1044.1	1045.2	1046.3	1047.2	1048.1
155°	1074.1	1074.8	1075.5	1076.2	1076.8	1077.5	1078.2	1078.9	1079.6	1080.7	1081.9
157.5°	1106.5	1107.0	1107.5	1107.9	1108.3	1108.7	1109.1	1109.5	1110.0	1111.5	1113.1
160°	1126.2	1126.7	1127.2	1127.6	1128.0	1128.1	1128.4	1128.6	1128.9	1130.2	1131.6
162.5°	1144.0	1144.1	1144.1	1144.2	1144.4	1144.6	1144.9	1145.1	1145.3	1146.8	1148.4
165°	1167.7	1167.4	1167.2	1167.0	1166.9	1166.9	1166.9	1166.9	1166.9	1168.5	1170.1
167.5°	1187.3	1186.7	1186.0	1185.3	1184.9	1184.9	1184.9	1184.8	1184.7	1186.4	1188.0
170°	1198.0	1197.4	1196.7	1196.0	1195.6	1195.3	1195.1	1194.8	1194.6	1196.2	1197.8
172.5°	1205.5	1204.8	1204.0	1203.4	1202.9	1202.7	1202.5	1202.2	1202.0	1203.6	1205.2
175°	1214.5	1213.8	1213.1	1212.4	1211.9	1211.4	1210.9	1210.5	1210.0	1211.6	1213.2
177.5°	1218.3	1217.7	1217.2	1216.6	1216.2	1215.8	1215.4	1215.1	1214.7	1215.8	1217.0
180°	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2



TEST NUMBER: P331574-927

CATALOG NUMBER: S122DIW-S865D1240U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1418.6	1424.5	1424.5	1425.4	1432.1	1431.2	1430.8
5°	1509.7	1518.6	1519.6	1529.1	1535.4	1533.3	1527.6
7.5°	1595.5	1612.2	1624.8	1631.8	1640.1	1645.3	1643.0
10°	1663.7	1687.8	1702.6	1712.5	1724.7	1733.6	1730.4
12.5°	1725.5	1754.3	1774.5	1791.6	1793.2	1804.7	1796.9
15°	1821.9	1852.4	1855.5	1868.1	1878.2	1877.1	1877.6
17.5°	1853.8	1863.5	1865.5	1865.8	1866.0	1862.3	1854.3
20°	1842.4	1838.7	1829.8	1823.0	1810.8	1809.3	1798.8
22.5°	1788.6	1776.9	1754.5	1739.7	1720.9	1715.9	1713.0
25°	1682.6	1656.8	1621.1	1586.9	1577.5	1559.1	1564.3
27.5°	1537.2	1497.1	1458.3	1430.6	1405.5	1377.9	1385.8
30°	1435.0	1389.8	1335.1	1293.1	1266.3	1240.0	1235.2
32.5°	1313.0	1246.8	1185.9	1148.8	1107.8	1091.2	1072.9
35°	1102.8	1038.2	977.7	925.7	895.7	872.6	851.5
37.5°	913.7	839.2	790.4	748.3	726.7	713.4	716.8
40°	796.4	731.2	695.5	663.4	643.4	633.9	636.0
42.5°	701.3	652.5	623.1	601.1	587.0	581.8	580.5
45°	593.4	566.1	541.9	529.3	522.5	516.7	513.0
47.5°	519.8	497.6	483.9	476.4	470.5	464.5	464.5
50°	475.7	461.0	451.5	443.6	438.9	434.7	438.4
52.5°	442.0	428.6	419.1	412.1	410.4	406.5	406.5
55°	392.1	381.6	374.8	368.4	365.4	363.2	360.6
57.5°	346.7	336.8	330.4	326.5	320.4	318.3	317.5
60°	314.3	306.4	300.2	294.9	292.2	288.0	288.0
62.5°	284.5	276.6	270.7	266.7	262.4	260.7	261.2
65°	241.3	235.0	229.2	225.0	223.9	220.8	221.8
67.5°	201.5	197.3	191.2	188.9	187.0	185.2	183.9
70°	175.1	170.9	167.7	164.5	163.0	163.0	163.0
72.5°	152.7	147.7	145.8	141.8	142.8	141.1	139.4
75°	118.3	115.1	113.5	111.9	109.3	109.3	109.3
77.5°	87.1	86.1	84.2	82.5	81.9	81.4	81.6
80°	67.3	66.8	65.7	65.7	64.6	64.2	63.1
82.5°	51.7	50.4	49.7	49.3	49.1	49.0	48.8
85°	29.5	28.4	28.4	28.9	27.9	27.9	28.4
87.5°	18.3	18.1	17.7	17.7	18.2	17.9	17.9
90°	34.6	34.1	34.0	34.2	34.5	34.7	34.9
92.5°	33.0	33.0	33.1	33.1	33.2	33.3	33.3
95°	65.8	65.8	65.5	65.0	64.6	64.2	63.7
97.5°	110.5	110.5	110.5	110.4	110.4	110.4	110.4
100°	141.7	141.7	141.6	141.4	141.2	140.9	140.7
102.5°	176.0	176.2	176.2	175.9	175.7	175.5	175.2
105°	227.4	227.8	228.1	228.1	228.1	228.1	228.1
107.5°	282.2	282.4	281.9	280.9	279.9	278.8	277.7
110°	319.5	319.5	319.1	318.5	317.7	317.0	316.4



TEST NUMBER: P331574-927

CATALOG NUMBER: S122DIW-S865D1240U927-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	356.4	355.8	355.4	354.8	354.3	353.9	353.3
115°	414.3	414.1	413.6	413.0	412.3	411.5	410.9
117.5°	469.6	469.1	468.5	467.8	467.1	466.4	465.7
120°	507.4	507.4	507.1	506.4	505.7	505.0	504.4
122.5°	545.3	544.7	544.2	543.7	543.1	542.6	542.2
125°	601.9	601.3	600.8	600.6	600.3	600.1	599.8
127.5°	657.0	656.2	655.4	654.7	653.9	653.2	652.4
130°	695.1	694.6	694.0	693.0	692.1	691.2	690.2
132.5°	731.2	730.2	729.4	728.6	727.9	727.1	726.4
135°	786.2	785.9	785.4	784.7	784.1	783.4	782.7
137.5°	838.0	837.9	837.3	836.4	835.5	834.6	833.7
140°	873.1	873.1	872.7	871.7	870.8	869.9	869.0
142.5°	904.9	905.1	904.7	903.8	902.9	902.0	901.0
145°	952.9	953.1	952.8	951.9	950.9	950.1	949.1
147.5°	995.2	995.7	995.5	994.7	993.8	992.9	992.0
150°	1022.1	1022.7	1022.7	1022.1	1021.4	1020.6	1020.0
152.5°	1048.8	1049.7	1049.7	1048.8	1048.1	1047.2	1046.3
155°	1083.0	1084.1	1084.3	1083.7	1083.0	1082.3	1081.6
157.5°	1114.6	1116.2	1116.4	1115.3	1114.2	1113.1	1112.0
160°	1133.0	1134.3	1134.6	1133.7	1132.7	1131.9	1130.9
162.5°	1149.9	1151.5	1151.8	1150.6	1149.5	1148.4	1147.4
165°	1171.6	1173.3	1173.5	1172.4	1171.2	1170.1	1168.9
167.5°	1189.5	1191.1	1191.4	1190.2	1189.0	1187.8	1186.6
170°	1199.4	1201.0	1201.1	1199.8	1198.4	1197.0	1195.6
172.5°	1206.8	1208.4	1208.5	1207.1	1205.8	1204.4	1203.0
175°	1214.8	1216.4	1216.6	1215.1	1213.8	1212.4	1211.0
177.5°	1218.1	1219.1	1219.1	1218.1	1217.0	1215.8	1214.7
180°	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2	1217.2

(END OF REPORT)