

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: P331580-927

Luminaire Tested: **S122DIW-S865D1440U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331580-927
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-S865D1440U927-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1440 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6980.3 lumens
Efficiency: N/A
Efficacy: 91.1 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

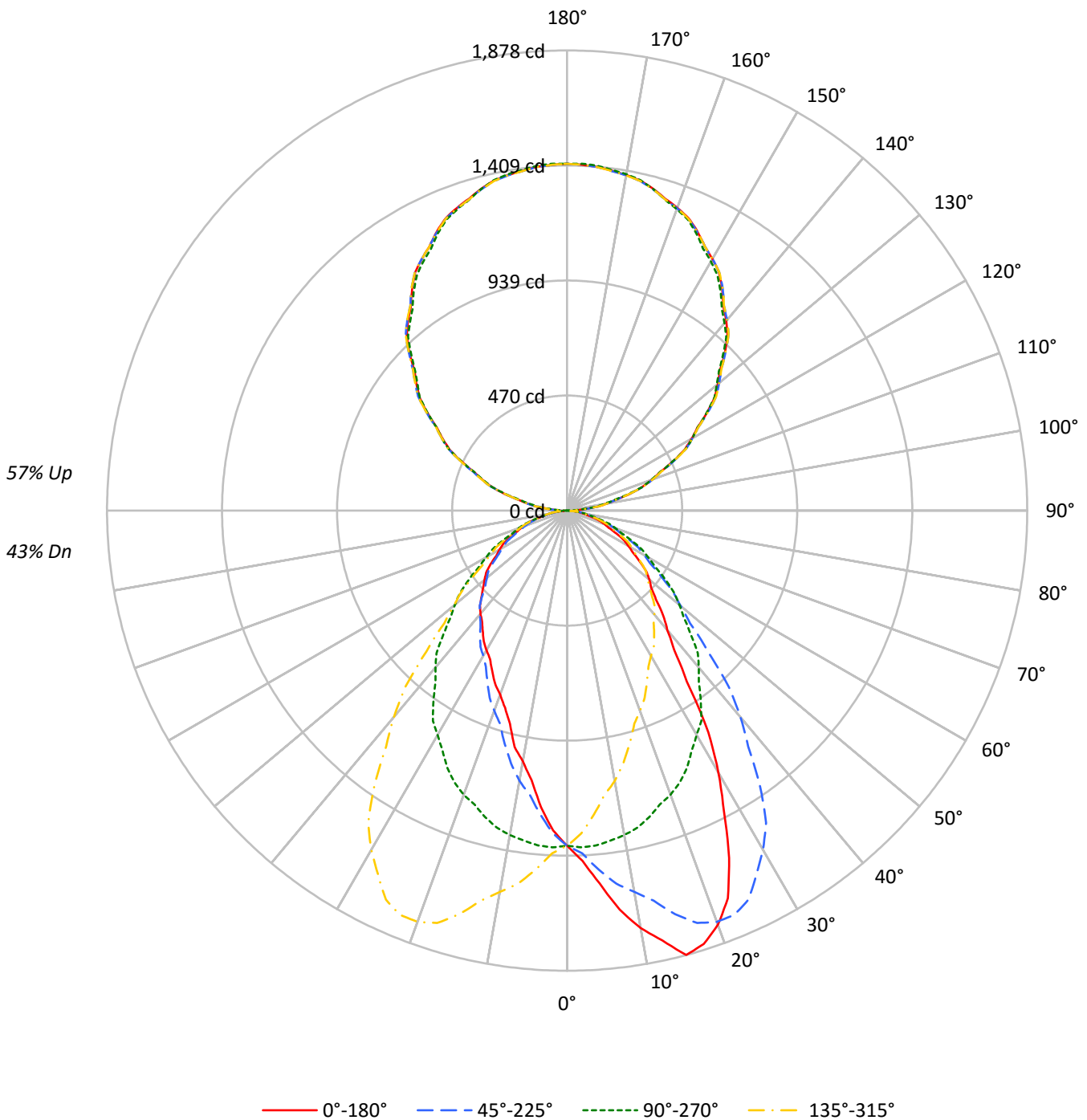
Input Watts (W): 76.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331580-927

CATALOG NUMBER: S122DIW-S865D1440U927-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





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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	50	30	10	50	30	10	50	30	10	0																			
RCR																																														
0	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	43																												
1	97	93	89	86	88	85	82	79	70	68	66	57	56	54	45	44	43	37																												
2	88	81	75	70	81	75	70	65	62	58	55	51	48	46	40	38	37	32																												
3	81	72	65	59	74	66	60	55	55	51	47	45	42	39	36	34	32	27																												
4	74	64	56	50	68	59	52	47	49	44	40	40	37	34	32	30	28	24																												
5	68	57	49	43	62	53	46	41	44	39	35	36	33	30	29	27	24	21																												
6	63	51	43	38	57	47	40	35	40	35	31	33	29	26	27	24	22	19																												
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	24	22	19	17																												
8	54	42	35	30	49	39	32	28	33	28	24	28	24	21	23	20	18	15																												
9	50	39	31	26	46	36	29	25	31	25	22	26	22	19	21	18	16	14																												
10	47	35	28	24	43	33	27	22	28	23	20	24	20	17	19	17	15	13																												

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: P331580-927

CATALOG NUMBER: S122DIW-S865D1440U927-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.3	1.9
10°-20°	378.7	5.4
20°-30°	549.6	7.9
30°-40°	579.9	8.3
40°-50°	513.5	7.4
50°-60°	409.8	5.9
60°-70°	278.5	4.0
70°-80°	142.8	2.0
80°-90°	40.1	0.6
90°-100°	89.7	1.3
100°-110°	278.5	4.0
110°-120°	476.1	6.8
120°-130°	626.1	9.0
130°-140°	702.7	10.1
140°-150°	689.0	9.9
150°-160°	577.9	8.3
160°-170°	383.3	5.5
170°-180°	134.0	1.9
0°-30°	1058.5	15.2
0°-40°	1638.5	23.5
0°-60°	2561.8	36.7
0°-90°	3023.2	43.3
90°-120°	844.3	12.1
90°-150°	2862.0	41.0
90°-180°	3957.0	56.7
0°-180°	6980.3	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°	41	1	41	1	41	19
95°	74	62	74	62	74	83
105°	265	257	265	257	265	279
115°	478	478	478	478	478	472
125°	697	695	697	695	697	622
135°	910	899	910	899	910	700
145°	1104	1092	1104	1092	1104	689
155°	1258	1248	1258	1248	1258	579
165°	1359	1358	1359	1358	1359	383
175°	1408	1413	1408	1413	1408	134
180°	1415	1415	1415	1415	1415	



TEST NUMBER: P331580-927

CATALOG NUMBER: S122DIW-S865D1440U927-4F0-1E-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°	19.1	19.0	19.4	18.9	18.9	19.3	19.4	19.1	19.6	20.1	19.4
90°	40.6	40.3	40.1	39.8	39.5	39.7	40.2	40.7	41.3	41.8	36.0
92.5°	38.7	38.7	38.6	38.5	38.5	38.4	38.3	38.2	38.1	37.9	36.6
95°	74.1	74.5	75.1	75.7	76.1	76.4	76.4	76.4	76.4	76.4	75.9
97.5°	128.3	128.3	128.3	128.4	128.5	128.5	128.5	128.5	128.5	128.5	127.5
100°	163.6	163.9	164.1	164.4	164.7	164.8	164.8	164.8	164.8	164.8	164.0
102.5°	203.7	204.0	204.3	204.5	204.8	204.9	204.6	204.4	204.2	204.0	203.0
105°	265.1	265.1	265.1	265.1	265.1	264.8	264.4	263.8	263.2	262.8	262.2
107.5°	322.9	324.2	325.3	326.6	327.8	328.3	328.1	327.9	327.6	327.5	327.5
110°	367.8	368.6	369.4	370.2	371.0	371.5	371.5	371.5	371.5	371.5	371.5



TEST NUMBER: P331580-927

CATALOG NUMBER: S122DIW-S865D1440U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	410.8	411.4	412.0	412.6	413.1	413.8	414.4	415.0	415.7	416.3	416.5
115°	477.7	478.5	479.3	480.1	480.9	481.4	481.6	482.0	482.2	482.5	483.0
117.5°	541.5	542.2	543.0	543.8	544.6	545.4	546.1	546.7	547.3	548.0	549.4
120°	586.4	587.2	588.0	588.7	589.5	589.9	589.9	589.9	589.9	589.9	592.1
122.5°	630.3	630.9	631.5	632.1	632.6	633.3	633.9	634.5	635.2	635.8	637.3
125°	697.4	697.8	698.0	698.2	698.5	699.0	699.8	700.6	701.4	702.2	703.1
127.5°	758.6	759.5	760.3	761.1	762.0	762.9	763.8	764.8	765.7	766.8	767.7
130°	802.6	803.6	804.7	805.7	806.8	807.6	808.1	808.7	809.2	809.7	810.2
132.5°	844.5	845.4	846.3	847.2	848.0	849.0	850.2	851.4	852.5	853.7	853.6
135°	910.1	910.9	911.6	912.4	913.2	913.8	914.0	914.3	914.6	914.8	914.3
137.5°	969.2	970.3	971.4	972.5	973.5	974.1	974.4	974.5	974.8	975.0	974.3
140°	1010.3	1011.4	1012.5	1013.5	1014.6	1015.1	1015.1	1015.1	1015.1	1015.1	1013.8
142.5°	1047.6	1048.7	1049.7	1050.8	1051.9	1052.3	1052.1	1051.9	1051.6	1051.5	1050.5
145°	1103.5	1104.5	1105.6	1106.7	1107.7	1108.1	1107.9	1107.6	1107.3	1107.1	1105.5
147.5°	1153.4	1154.4	1155.4	1156.4	1157.5	1157.7	1157.1	1156.5	1156.0	1155.3	1154.3
150°	1185.9	1186.7	1187.5	1188.3	1189.1	1189.1	1188.3	1187.5	1186.7	1185.9	1184.9
152.5°	1216.5	1217.5	1218.5	1219.5	1220.5	1220.5	1219.5	1218.5	1217.5	1216.5	1215.2
155°	1257.6	1258.4	1259.2	1260.0	1260.8	1260.4	1259.2	1257.8	1256.5	1255.1	1254.3
157.5°	1292.9	1294.2	1295.5	1296.7	1298.0	1297.8	1295.9	1294.1	1292.3	1290.5	1290.1
160°	1314.9	1316.0	1317.0	1318.0	1319.1	1318.8	1317.2	1315.7	1314.1	1312.5	1312.2
162.5°	1334.0	1335.3	1336.6	1337.8	1339.1	1338.8	1337.0	1335.2	1333.4	1331.6	1331.3
165°	1359.1	1360.4	1361.8	1363.0	1364.4	1364.1	1362.2	1360.4	1358.5	1356.7	1356.7
167.5°	1379.6	1381.0	1382.4	1383.8	1385.1	1384.9	1383.1	1381.2	1379.3	1377.4	1377.5
170°	1390.1	1391.7	1393.3	1394.9	1396.5	1396.4	1394.5	1392.7	1390.8	1388.9	1389.2
172.5°	1398.8	1400.3	1401.9	1403.5	1405.1	1404.9	1403.1	1401.2	1399.4	1397.5	1397.8
175°	1408.0	1409.6	1411.2	1412.8	1414.4	1414.3	1412.4	1410.6	1408.7	1406.8	1407.4
177.5°	1412.3	1413.6	1414.9	1416.2	1417.5	1417.5	1416.2	1414.9	1413.6	1412.3	1412.8
180°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2



TEST NUMBER: P331580-927

CATALOG NUMBER: S122DIW-S865D1440U927-4F0-1E-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°	18.6	17.5	16.3	16.2	14.3	13.7	11.4	9.5	9.7	9.9	9.7
90°	30.1	24.3	18.5	13.9	10.8	7.5	4.4	1.2	4.4	7.5	10.8
92.5°	35.3	33.8	32.5	30.6	28.3	25.9	23.6	21.2	23.6	25.9	28.3
95°	75.3	74.9	74.3	72.7	70.0	67.4	64.7	62.1	64.7	67.4	70.0
97.5°	126.5	125.5	124.5	122.8	120.5	118.1	115.8	113.4	115.8	118.1	120.5
100°	163.2	162.4	161.6	160.2	158.0	155.9	153.8	151.7	153.8	155.9	158.0
102.5°	201.9	201.0	199.9	198.6	196.9	195.2	193.5	191.8	193.5	195.2	196.9
105°	261.7	261.2	260.6	259.9	259.1	258.3	257.5	256.7	257.5	258.3	259.1
107.5°	327.5	327.5	327.5	326.9	325.7	324.6	323.4	322.2	323.4	324.6	325.7
110°	371.5	371.5	371.5	370.6	369.0	367.4	365.8	364.2	365.8	367.4	369.0



TEST NUMBER: P331580-927

CATALOG NUMBER: S122DIW-S865D1440U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	416.8	416.9	417.2	416.5	414.9	413.3	411.7	410.1	411.7	413.3	414.9
115°	483.5	484.1	484.6	484.1	482.5	480.9	479.3	477.7	479.3	480.9	482.5
117.5°	550.9	552.4	553.9	553.6	551.4	549.3	547.2	545.1	547.2	549.3	551.4
120°	594.2	596.4	598.5	598.5	596.4	594.2	592.1	589.9	592.1	594.2	596.4
122.5°	638.8	640.3	641.7	641.3	638.7	636.1	633.6	631.1	633.6	636.1	638.7
125°	703.9	704.6	705.4	704.6	702.2	699.8	697.4	695.1	697.4	699.8	702.2
127.5°	768.7	769.6	770.6	769.5	766.5	763.4	760.4	757.4	760.4	763.4	766.5
130°	810.8	811.3	811.8	810.4	806.9	803.5	800.0	796.5	800.0	803.5	806.9
132.5°	853.4	853.3	853.3	851.8	849.0	846.1	843.4	840.5	843.4	846.1	849.0
135°	913.8	913.2	912.7	910.9	908.0	905.1	902.2	899.3	902.2	905.1	908.0
137.5°	973.6	973.0	972.2	970.7	968.3	965.9	963.5	961.2	963.5	965.9	968.3
140°	1012.5	1011.1	1009.8	1008.0	1005.6	1003.2	1000.8	998.4	1000.8	1003.2	1005.6
142.5°	1049.6	1048.7	1047.8	1046.2	1043.8	1041.4	1039.0	1036.6	1039.0	1041.4	1043.8
145°	1103.9	1102.3	1100.7	1099.0	1097.1	1095.3	1093.4	1091.5	1093.4	1095.3	1097.1
147.5°	1153.2	1152.1	1151.1	1149.5	1147.2	1144.9	1142.7	1140.5	1142.7	1144.9	1147.2
150°	1183.8	1182.7	1181.6	1180.4	1178.8	1177.2	1175.5	1173.9	1175.5	1177.2	1178.8
152.5°	1213.9	1212.7	1211.4	1210.0	1208.3	1206.7	1205.1	1203.6	1205.1	1206.7	1208.3
155°	1253.5	1252.8	1252.0	1251.2	1250.4	1249.6	1248.8	1248.0	1248.8	1249.6	1250.4
157.5°	1289.6	1289.1	1288.6	1288.1	1287.6	1287.1	1286.5	1285.9	1286.5	1287.1	1287.6
160°	1311.9	1311.7	1311.5	1311.1	1310.5	1310.0	1309.5	1308.9	1309.5	1310.0	1310.5
162.5°	1331.1	1330.8	1330.5	1330.4	1330.2	1330.2	1330.1	1329.9	1330.1	1330.2	1330.2
165°	1356.7	1356.7	1356.7	1356.8	1357.1	1357.3	1357.6	1357.9	1357.6	1357.3	1357.1
167.5°	1377.6	1377.6	1377.7	1378.1	1378.9	1379.7	1380.5	1381.2	1380.5	1379.7	1378.9
170°	1389.5	1389.7	1390.0	1390.5	1391.3	1392.1	1392.9	1393.7	1392.9	1392.1	1391.3
172.5°	1398.0	1398.4	1398.6	1399.2	1399.9	1400.7	1401.5	1402.3	1401.5	1400.7	1399.9
175°	1407.9	1408.4	1409.0	1409.6	1410.4	1411.2	1412.0	1412.8	1412.0	1411.2	1410.4
177.5°	1413.2	1413.6	1414.0	1414.6	1415.2	1415.9	1416.5	1417.1	1416.5	1415.9	1415.2
180°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2



TEST NUMBER: P331580-927

CATALOG NUMBER: S122DIW-S865D1440U927-4F0-1E-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°	9.9	10.5	11.2	12.4	13.1	13.9	13.3	13.2	13.1	12.1	12.1
90°	13.9	18.5	24.3	30.1	36.0	41.8	41.3	40.7	40.2	39.7	39.5
92.5°	30.6	32.5	33.8	35.3	36.6	37.9	38.1	38.2	38.3	38.4	38.5
95°	72.7	74.3	74.9	75.3	75.9	76.4	76.4	76.4	76.4	76.4	76.1
97.5°	122.8	124.5	125.5	126.5	127.5	128.5	128.5	128.5	128.5	128.5	128.5
100°	160.2	161.6	162.4	163.2	164.0	164.8	164.8	164.8	164.8	164.8	164.7
102.5°	198.6	199.9	201.0	201.9	203.0	204.0	204.2	204.4	204.6	204.9	204.8
105°	259.9	260.6	261.2	261.7	262.2	262.8	263.2	263.8	264.4	264.8	265.1
107.5°	326.9	327.5	327.5	327.5	327.5	327.5	327.6	327.9	328.1	328.3	327.8
110°	370.6	371.5	371.5	371.5	371.5	371.5	371.5	371.5	371.5	371.5	371.0



TEST NUMBER: P331580-927

CATALOG NUMBER: S122DIW-S865D1440U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	416.5	417.2	416.9	416.8	416.5	416.3	415.7	415.0	414.4	413.8	413.1
115°	484.1	484.6	484.1	483.5	483.0	482.5	482.2	482.0	481.6	481.4	480.9
117.5°	553.6	553.9	552.4	550.9	549.4	548.0	547.3	546.7	546.1	545.4	544.6
120°	598.5	598.5	596.4	594.2	592.1	589.9	589.9	589.9	589.9	589.9	589.5
122.5°	641.3	641.7	640.3	638.8	637.3	635.8	635.2	634.5	633.9	633.3	632.6
125°	704.6	705.4	704.6	703.9	703.1	702.2	701.4	700.6	699.8	699.0	698.5
127.5°	769.5	770.6	769.6	768.7	767.7	766.8	765.7	764.8	763.8	762.9	762.0
130°	810.4	811.8	811.3	810.8	810.2	809.7	809.2	808.7	808.1	807.6	806.8
132.5°	851.8	853.3	853.3	853.4	853.6	853.7	852.5	851.4	850.2	849.0	848.0
135°	910.9	912.7	913.2	913.8	914.3	914.8	914.6	914.3	914.0	913.8	913.2
137.5°	970.7	972.2	973.0	973.6	974.3	975.0	974.8	974.5	974.4	974.1	973.5
140°	1008.0	1009.8	1011.1	1012.5	1013.8	1015.1	1015.1	1015.1	1015.1	1015.1	1014.6
142.5°	1046.2	1047.8	1048.7	1049.6	1050.5	1051.5	1051.6	1051.9	1052.1	1052.3	1051.9
145°	1099.0	1100.7	1102.3	1103.9	1105.5	1107.1	1107.3	1107.6	1107.9	1108.1	1107.7
147.5°	1149.5	1151.1	1152.1	1153.2	1154.3	1155.3	1156.0	1156.5	1157.1	1157.7	1157.5
150°	1180.4	1181.6	1182.7	1183.8	1184.9	1185.9	1186.7	1187.5	1188.3	1189.1	1189.1
152.5°	1210.0	1211.4	1212.7	1213.9	1215.2	1216.5	1217.5	1218.5	1219.5	1220.5	1220.5
155°	1251.2	1252.0	1252.8	1253.5	1254.3	1255.1	1256.5	1257.8	1259.2	1260.4	1260.8
157.5°	1288.1	1288.6	1289.1	1289.6	1290.1	1290.5	1292.3	1294.1	1295.9	1297.8	1298.0
160°	1311.1	1311.5	1311.7	1311.9	1312.2	1312.5	1314.1	1315.7	1317.2	1318.8	1319.1
162.5°	1330.4	1330.5	1330.8	1331.1	1331.3	1331.6	1333.4	1335.2	1337.0	1338.8	1339.1
165°	1356.8	1356.7	1356.7	1356.7	1356.7	1356.7	1358.5	1360.4	1362.2	1364.1	1364.4
167.5°	1378.1	1377.7	1377.6	1377.6	1377.5	1377.4	1379.3	1381.2	1383.1	1384.9	1385.1
170°	1390.5	1390.0	1389.7	1389.5	1389.2	1388.9	1390.8	1392.7	1394.5	1396.4	1396.5
172.5°	1399.2	1398.6	1398.4	1398.0	1397.8	1397.5	1399.4	1401.2	1403.1	1404.9	1405.1
175°	1409.6	1409.0	1408.4	1407.9	1407.4	1406.8	1408.7	1410.6	1412.4	1414.3	1414.4
177.5°	1414.6	1414.0	1413.6	1413.2	1412.8	1412.3	1413.6	1414.9	1416.2	1417.5	1417.5
180°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2



TEST NUMBER: P331580-927

CATALOG NUMBER: S122DIW-S865D1440U927-4F0-1E-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°	12.2	11.8	11.9	11.5	11.9	11.8	12.2	12.1	12.1	13.1	13.2
90°	39.8	40.1	40.3	40.6	40.3	40.1	39.8	39.5	39.7	40.2	40.7
92.5°	38.5	38.6	38.7	38.7	38.7	38.6	38.5	38.5	38.4	38.3	38.2
95°	75.7	75.1	74.5	74.1	74.5	75.1	75.7	76.1	76.4	76.4	76.4
97.5°	128.4	128.3	128.3	128.3	128.3	128.3	128.4	128.5	128.5	128.5	128.5
100°	164.4	164.1	163.9	163.6	163.9	164.1	164.4	164.7	164.8	164.8	164.8
102.5°	204.5	204.3	204.0	203.7	204.0	204.3	204.5	204.8	204.9	204.6	204.4
105°	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	264.8	264.4	263.8
107.5°	326.6	325.3	324.2	322.9	324.2	325.3	326.6	327.8	328.3	328.1	327.9
110°	370.2	369.4	368.6	367.8	368.6	369.4	370.2	371.0	371.5	371.5	371.5



TEST NUMBER: P331580-927

CATALOG NUMBER: S122DIW-S865D1440U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	412.6	412.0	411.4	410.8	411.4	412.0	412.6	413.1	413.8	414.4	415.0
115°	480.1	479.3	478.5	477.7	478.5	479.3	480.1	480.9	481.4	481.6	482.0
117.5°	543.8	543.0	542.2	541.5	542.2	543.0	543.8	544.6	545.4	546.1	546.7
120°	588.7	588.0	587.2	586.4	587.2	588.0	588.7	589.5	589.9	589.9	589.9
122.5°	632.1	631.5	630.9	630.3	630.9	631.5	632.1	632.6	633.3	633.9	634.5
125°	698.2	698.0	697.8	697.4	697.8	698.0	698.2	698.5	699.0	699.8	700.6
127.5°	761.1	760.3	759.5	758.6	759.5	760.3	761.1	762.0	762.9	763.8	764.8
130°	805.7	804.7	803.6	802.6	803.6	804.7	805.7	806.8	807.6	808.1	808.7
132.5°	847.2	846.3	845.4	844.5	845.4	846.3	847.2	848.0	849.0	850.2	851.4
135°	912.4	911.6	910.9	910.1	910.9	911.6	912.4	913.2	913.8	914.0	914.3
137.5°	972.5	971.4	970.3	969.2	970.3	971.4	972.5	973.5	974.1	974.4	974.5
140°	1013.5	1012.5	1011.4	1010.3	1011.4	1012.5	1013.5	1014.6	1015.1	1015.1	1015.1
142.5°	1050.8	1049.7	1048.7	1047.6	1048.7	1049.7	1050.8	1051.9	1052.3	1052.1	1051.9
145°	1106.7	1105.6	1104.5	1103.5	1104.5	1105.6	1106.7	1107.7	1108.1	1107.9	1107.6
147.5°	1156.4	1155.4	1154.4	1153.4	1154.4	1155.4	1156.4	1157.5	1157.7	1157.1	1156.5
150°	1188.3	1187.5	1186.7	1185.9	1186.7	1187.5	1188.3	1189.1	1189.1	1188.3	1187.5
152.5°	1219.5	1218.5	1217.5	1216.5	1217.5	1218.5	1219.5	1220.5	1220.5	1219.5	1218.5
155°	1260.0	1259.2	1258.4	1257.6	1258.4	1259.2	1260.0	1260.8	1260.4	1259.2	1257.8
157.5°	1296.7	1295.5	1294.2	1292.9	1294.2	1295.5	1296.7	1298.0	1297.8	1295.9	1294.1
160°	1318.0	1317.0	1316.0	1314.9	1316.0	1317.0	1318.0	1319.1	1318.8	1317.2	1315.7
162.5°	1337.8	1336.6	1335.3	1334.0	1335.3	1336.6	1337.8	1339.1	1338.8	1337.0	1335.2
165°	1363.0	1361.8	1360.4	1359.1	1360.4	1361.8	1363.0	1364.4	1364.1	1362.2	1360.4
167.5°	1383.8	1382.4	1381.0	1379.6	1381.0	1382.4	1383.8	1385.1	1384.9	1383.1	1381.2
170°	1394.9	1393.3	1391.7	1390.1	1391.7	1393.3	1394.9	1396.5	1396.4	1394.5	1392.7
172.5°	1403.5	1401.9	1400.3	1398.8	1400.3	1401.9	1403.5	1405.1	1404.9	1403.1	1401.2
175°	1412.8	1411.2	1409.6	1408.0	1409.6	1411.2	1412.8	1414.4	1414.3	1412.4	1410.6
177.5°	1416.2	1414.9	1413.6	1412.3	1413.6	1414.9	1416.2	1417.5	1417.5	1416.2	1414.9
180°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2



TEST NUMBER: P331580-927

CATALOG NUMBER: S122DIW-S865D1440U927-4F0-1E-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°	13.3	13.9	13.1	12.4	11.2	10.5	9.9	9.7	9.9	9.7	9.5
90°	41.3	41.8	36.0	30.1	24.3	18.5	13.9	10.8	7.5	4.4	1.2
92.5°	38.1	37.9	36.6	35.3	33.8	32.5	30.6	28.3	25.9	23.6	21.2
95°	76.4	76.4	75.9	75.3	74.9	74.3	72.7	70.0	67.4	64.7	62.1
97.5°	128.5	128.5	127.5	126.5	125.5	124.5	122.8	120.5	118.1	115.8	113.4
100°	164.8	164.8	164.0	163.2	162.4	161.6	160.2	158.0	155.9	153.8	151.7
102.5°	204.2	204.0	203.0	201.9	201.0	199.9	198.6	196.9	195.2	193.5	191.8
105°	263.2	262.8	262.2	261.7	261.2	260.6	259.9	259.1	258.3	257.5	256.7
107.5°	327.6	327.5	327.5	327.5	327.5	327.5	326.9	325.7	324.6	323.4	322.2
110°	371.5	371.5	371.5	371.5	371.5	371.5	370.6	369.0	367.4	365.8	364.2



TEST NUMBER: P331580-927

CATALOG NUMBER: S122DIW-S865D1440U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	415.7	416.3	416.5	416.8	416.9	417.2	416.5	414.9	413.3	411.7	410.1
115°	482.2	482.5	483.0	483.5	484.1	484.6	484.1	482.5	480.9	479.3	477.7
117.5°	547.3	548.0	549.4	550.9	552.4	553.9	553.6	551.4	549.3	547.2	545.1
120°	589.9	589.9	592.1	594.2	596.4	598.5	598.5	596.4	594.2	592.1	589.9
122.5°	635.2	635.8	637.3	638.8	640.3	641.7	641.3	638.7	636.1	633.6	631.1
125°	701.4	702.2	703.1	703.9	704.6	705.4	704.6	702.2	699.8	697.4	695.1
127.5°	765.7	766.8	767.7	768.7	769.6	770.6	769.5	766.5	763.4	760.4	757.4
130°	809.2	809.7	810.2	810.8	811.3	811.8	810.4	806.9	803.5	800.0	796.5
132.5°	852.5	853.7	853.6	853.4	853.3	853.3	851.8	849.0	846.1	843.4	840.5
135°	914.6	914.8	914.3	913.8	913.2	912.7	910.9	908.0	905.1	902.2	899.3
137.5°	974.8	975.0	974.3	973.6	973.0	972.2	970.7	968.3	965.9	963.5	961.2
140°	1015.1	1015.1	1013.8	1012.5	1011.1	1009.8	1008.0	1005.6	1003.2	1000.8	998.4
142.5°	1051.6	1051.5	1050.5	1049.6	1048.7	1047.8	1046.2	1043.8	1041.4	1039.0	1036.6
145°	1107.3	1107.1	1105.5	1103.9	1102.3	1100.7	1099.0	1097.1	1095.3	1093.4	1091.5
147.5°	1156.0	1155.3	1154.3	1153.2	1152.1	1151.1	1149.5	1147.2	1144.9	1142.7	1140.5
150°	1186.7	1185.9	1184.9	1183.8	1182.7	1181.6	1180.4	1178.8	1177.2	1175.5	1173.9
152.5°	1217.5	1216.5	1215.2	1213.9	1212.7	1211.4	1210.0	1208.3	1206.7	1205.1	1203.6
155°	1256.5	1255.1	1254.3	1253.5	1252.8	1252.0	1251.2	1250.4	1249.6	1248.8	1248.0
157.5°	1292.3	1290.5	1290.1	1289.6	1289.1	1288.6	1288.1	1287.6	1287.1	1286.5	1285.9
160°	1314.1	1312.5	1312.2	1311.9	1311.7	1311.5	1311.1	1310.5	1310.0	1309.5	1308.9
162.5°	1333.4	1331.6	1331.3	1331.1	1330.8	1330.5	1330.4	1330.2	1330.2	1330.1	1329.9
165°	1358.5	1356.7	1356.7	1356.7	1356.7	1356.7	1356.8	1357.1	1357.3	1357.6	1357.9
167.5°	1379.3	1377.4	1377.5	1377.6	1377.6	1377.7	1378.1	1378.9	1379.7	1380.5	1381.2
170°	1390.8	1388.9	1389.2	1389.5	1389.7	1390.0	1390.5	1391.3	1392.1	1392.9	1393.7
172.5°	1399.4	1397.5	1397.8	1398.0	1398.4	1398.6	1399.2	1399.9	1400.7	1401.5	1402.3
175°	1408.7	1406.8	1407.4	1407.9	1408.4	1409.0	1409.6	1410.4	1411.2	1412.0	1412.8
177.5°	1413.6	1412.3	1412.8	1413.2	1413.6	1414.0	1414.6	1415.2	1415.9	1416.5	1417.1
180°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2



TEST NUMBER: P331580-927

CATALOG NUMBER: S122DIW-S865D1440U927-4F0-1E-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°	11.4	13.7	14.3	16.2	16.3	17.5	18.6	19.4	20.1	19.6	19.1
90°	4.4	7.5	10.8	13.9	18.5	24.3	30.1	36.0	41.8	41.3	40.7
92.5°	23.6	25.9	28.3	30.6	32.5	33.8	35.3	36.6	37.9	38.1	38.2
95°	64.7	67.4	70.0	72.7	74.3	74.9	75.3	75.9	76.4	76.4	76.4
97.5°	115.8	118.1	120.5	122.8	124.5	125.5	126.5	127.5	128.5	128.5	128.5
100°	153.8	155.9	158.0	160.2	161.6	162.4	163.2	164.0	164.8	164.8	164.8
102.5°	193.5	195.2	196.9	198.6	199.9	201.0	201.9	203.0	204.0	204.2	204.4
105°	257.5	258.3	259.1	259.9	260.6	261.2	261.7	262.2	262.8	263.2	263.8
107.5°	323.4	324.6	325.7	326.9	327.5	327.5	327.5	327.5	327.5	327.6	327.9
110°	365.8	367.4	369.0	370.6	371.5	371.5	371.5	371.5	371.5	371.5	371.5



TEST NUMBER: P331580-927

CATALOG NUMBER: S122DIW-S865D1440U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	411.7	413.3	414.9	416.5	417.2	416.9	416.8	416.5	416.3	415.7	415.0
115°	479.3	480.9	482.5	484.1	484.6	484.1	483.5	483.0	482.5	482.2	482.0
117.5°	547.2	549.3	551.4	553.6	553.9	552.4	550.9	549.4	548.0	547.3	546.7
120°	592.1	594.2	596.4	598.5	598.5	596.4	594.2	592.1	589.9	589.9	589.9
122.5°	633.6	636.1	638.7	641.3	641.7	640.3	638.8	637.3	635.8	635.2	634.5
125°	697.4	699.8	702.2	704.6	705.4	704.6	703.9	703.1	702.2	701.4	700.6
127.5°	760.4	763.4	766.5	769.5	770.6	769.6	768.7	767.7	766.8	765.7	764.8
130°	800.0	803.5	806.9	810.4	811.8	811.3	810.8	810.2	809.7	809.2	808.7
132.5°	843.4	846.1	849.0	851.8	853.3	853.3	853.4	853.6	853.7	852.5	851.4
135°	902.2	905.1	908.0	910.9	912.7	913.2	913.8	914.3	914.8	914.6	914.3
137.5°	963.5	965.9	968.3	970.7	972.2	973.0	973.6	974.3	975.0	974.8	974.5
140°	1000.8	1003.2	1005.6	1008.0	1009.8	1011.1	1012.5	1013.8	1015.1	1015.1	1015.1
142.5°	1039.0	1041.4	1043.8	1046.2	1047.8	1048.7	1049.6	1050.5	1051.5	1051.6	1051.9
145°	1093.4	1095.3	1097.1	1099.0	1100.7	1102.3	1103.9	1105.5	1107.1	1107.3	1107.6
147.5°	1142.7	1144.9	1147.2	1149.5	1151.1	1152.1	1153.2	1154.3	1155.3	1156.0	1156.5
150°	1175.5	1177.2	1178.8	1180.4	1181.6	1182.7	1183.8	1184.9	1185.9	1186.7	1187.5
152.5°	1205.1	1206.7	1208.3	1210.0	1211.4	1212.7	1213.9	1215.2	1216.5	1217.5	1218.5
155°	1248.8	1249.6	1250.4	1251.2	1252.0	1252.8	1253.5	1254.3	1255.1	1256.5	1257.8
157.5°	1286.5	1287.1	1287.6	1288.1	1288.6	1289.1	1289.6	1290.1	1290.5	1292.3	1294.1
160°	1309.5	1310.0	1310.5	1311.1	1311.5	1311.7	1311.9	1312.2	1312.5	1314.1	1315.7
162.5°	1330.1	1330.2	1330.2	1330.4	1330.5	1330.8	1331.1	1331.3	1331.6	1333.4	1335.2
165°	1357.6	1357.3	1357.1	1356.8	1356.7	1356.7	1356.7	1356.7	1356.7	1358.5	1360.4
167.5°	1380.5	1379.7	1378.9	1378.1	1377.7	1377.6	1377.6	1377.5	1377.4	1379.3	1381.2
170°	1392.9	1392.1	1391.3	1390.5	1390.0	1389.7	1389.5	1389.2	1388.9	1390.8	1392.7
172.5°	1401.5	1400.7	1399.9	1399.2	1398.6	1398.4	1398.0	1397.8	1397.5	1399.4	1401.2
175°	1412.0	1411.2	1410.4	1409.6	1409.0	1408.4	1407.9	1407.4	1406.8	1408.7	1410.6
177.5°	1416.5	1415.9	1415.2	1414.6	1414.0	1413.6	1413.2	1412.8	1412.3	1413.6	1414.9
180°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2



TEST NUMBER: P331580-927

CATALOG NUMBER: S122DIW-S865D1440U927-4F0-1E-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°	19.4	19.3	18.9	18.9	19.4	19.0	19.1
90°	40.2	39.7	39.5	39.8	40.1	40.3	40.6
92.5°	38.3	38.4	38.5	38.5	38.6	38.7	38.7
95°	76.4	76.4	76.1	75.7	75.1	74.5	74.1
97.5°	128.5	128.5	128.5	128.4	128.3	128.3	128.3
100°	164.8	164.8	164.7	164.4	164.1	163.9	163.6
102.5°	204.6	204.9	204.8	204.5	204.3	204.0	203.7
105°	264.4	264.8	265.1	265.1	265.1	265.1	265.1
107.5°	328.1	328.3	327.8	326.6	325.3	324.2	322.9
110°	371.5	371.5	371.0	370.2	369.4	368.6	367.8



TEST NUMBER: P331580-927

CATALOG NUMBER: S122DIW-S865D1440U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	414.4	413.8	413.1	412.6	412.0	411.4	410.8
115°	481.6	481.4	480.9	480.1	479.3	478.5	477.7
117.5°	546.1	545.4	544.6	543.8	543.0	542.2	541.5
120°	589.9	589.9	589.5	588.7	588.0	587.2	586.4
122.5°	633.9	633.3	632.6	632.1	631.5	630.9	630.3
125°	699.8	699.0	698.5	698.2	698.0	697.8	697.4
127.5°	763.8	762.9	762.0	761.1	760.3	759.5	758.6
130°	808.1	807.6	806.8	805.7	804.7	803.6	802.6
132.5°	850.2	849.0	848.0	847.2	846.3	845.4	844.5
135°	914.0	913.8	913.2	912.4	911.6	910.9	910.1
137.5°	974.4	974.1	973.5	972.5	971.4	970.3	969.2
140°	1015.1	1015.1	1014.6	1013.5	1012.5	1011.4	1010.3
142.5°	1052.1	1052.3	1051.9	1050.8	1049.7	1048.7	1047.6
145°	1107.9	1108.1	1107.7	1106.7	1105.6	1104.5	1103.5
147.5°	1157.1	1157.7	1157.5	1156.4	1155.4	1154.4	1153.4
150°	1188.3	1189.1	1189.1	1188.3	1187.5	1186.7	1185.9
152.5°	1219.5	1220.5	1220.5	1219.5	1218.5	1217.5	1216.5
155°	1259.2	1260.4	1260.8	1260.0	1259.2	1258.4	1257.6
157.5°	1295.9	1297.8	1298.0	1296.7	1295.5	1294.2	1292.9
160°	1317.2	1318.8	1319.1	1318.0	1317.0	1316.0	1314.9
162.5°	1337.0	1338.8	1339.1	1337.8	1336.6	1335.3	1334.0
165°	1362.2	1364.1	1364.4	1363.0	1361.8	1360.4	1359.1
167.5°	1383.1	1384.9	1385.1	1383.8	1382.4	1381.0	1379.6
170°	1394.5	1396.4	1396.5	1394.9	1393.3	1391.7	1390.1
172.5°	1403.1	1404.9	1405.1	1403.5	1401.9	1400.3	1398.8
175°	1412.4	1414.3	1414.4	1412.8	1411.2	1409.6	1408.0
177.5°	1416.2	1417.5	1417.5	1416.2	1414.9	1413.6	1412.3
180°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2

(END OF REPORT)