

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: P331573-927

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331573-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
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-A
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1240 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6945.4 lumens
Efficiency: N/A
Efficacy: 99.5 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

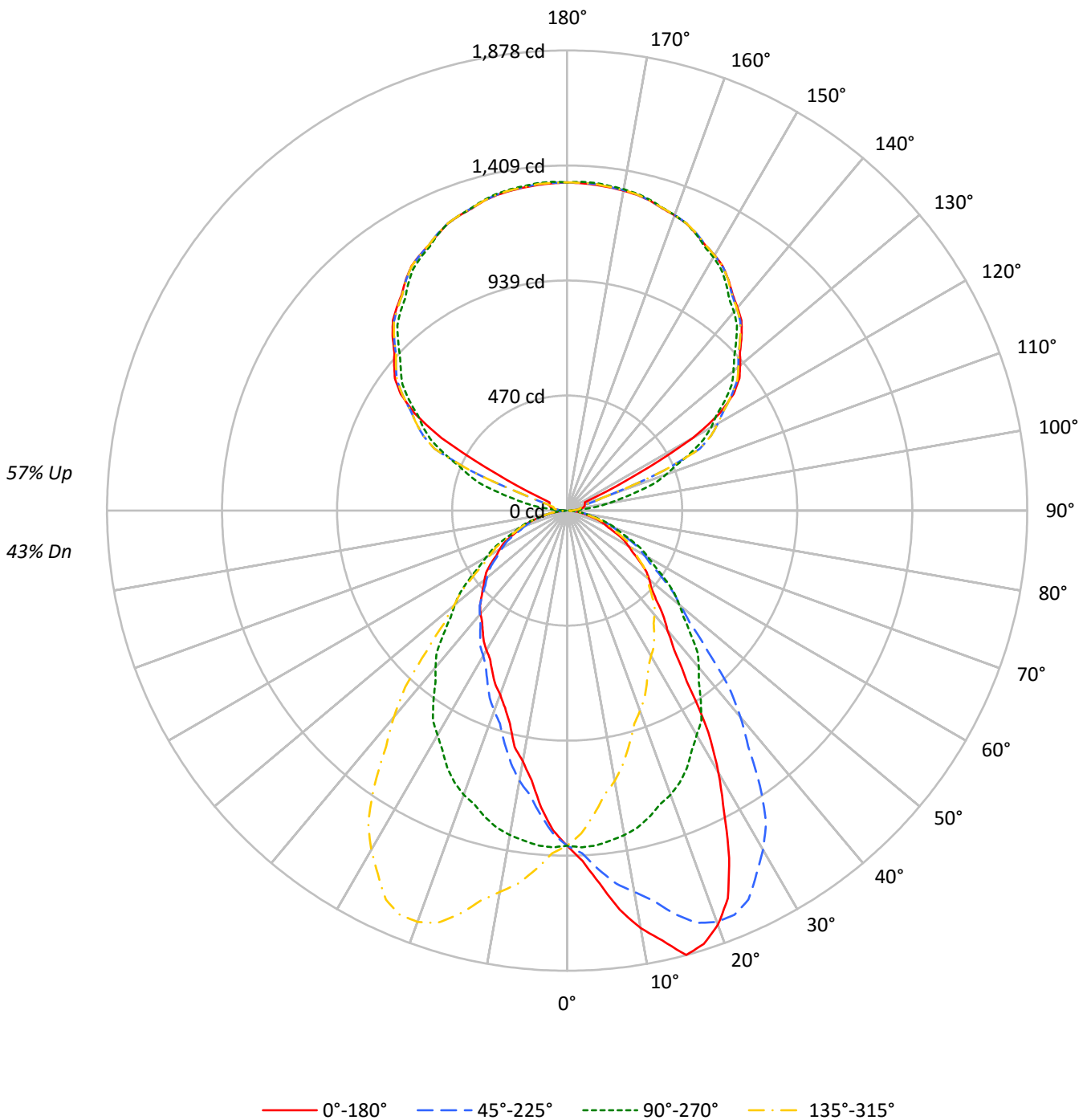
Input Watts (W): 69.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	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	71	81	75	70	65	62	59	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	28				
4	74	64	56	50	68	59	52	47	49	44	40	41	37	34	32	30	28	24				
5	68	57	49	43	62	53	46	41	44	39	35	37	33	30	29	27	25	21				
6	63	51	43	38	58	47	41	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	25	22	20	17				
8	54	42	35	30	50	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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.3	1.9
10°-20°	378.7	5.5
20°-30°	549.6	7.9
30°-40°	579.9	8.4
40°-50°	513.5	7.4
50°-60°	409.8	5.9
60°-70°	278.5	4.0
70°-80°	142.8	2.1
80°-90°	37.7	0.5
90°-100°	44.7	0.6
100°-110°	163.8	2.4
110°-120°	437.9	6.3
120°-130°	722.9	10.4
130°-140°	768.8	11.1
140°-150°	714.5	10.3
150°-160°	574.5	8.3
160°-170°	370.2	5.3
170°-180°	127.4	1.8
0°-30°	1058.5	15.2
0°-40°	1638.5	23.6
0°-60°	2561.8	36.9
0°-90°	3020.8	43.5
90°-120°	646.4	9.3
90°-150°	2852.5	41.1
90°-180°	3925.0	56.5
0°-180°	6945.4	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°	26	1	26	1	26	13
95°	42	63	42	63	42	39
105°	74	295	74	295	74	77
115°	80	557	80	557	80	199
125°	828	788	828	788	828	717
135°	1007	975	1007	975	1007	776
145°	1148	1131	1148	1131	1148	718
155°	1246	1245	1246	1245	1246	575
165°	1309	1312	1309	1312	1309	370
175°	1334	1342	1334	1342	1334	127
180°	1339	1339	1339	1339	1339	



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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°	16.2	16.1	16.4	15.9	15.8	16.1	15.8	15.2	15.4	15.7	15.8
90°	26.1	25.7	25.3	24.9	24.5	23.7	22.6	21.5	20.4	19.4	17.7
92.5°	26.1	25.9	25.7	25.3	25.1	24.7	24.2	23.6	23.1	22.5	21.6
95°	41.7	41.9	42.1	42.3	42.5	42.1	41.0	39.9	38.9	37.8	36.3
97.5°	55.6	55.4	55.1	54.8	54.6	54.0	53.2	52.3	51.4	50.6	47.1
100°	65.0	64.5	64.1	63.6	63.2	62.1	60.4	58.7	57.0	55.2	51.6
102.5°	69.6	69.0	68.4	67.7	67.2	65.8	63.5	61.2	59.0	56.8	87.4
105°	73.7	72.8	71.9	71.1	70.2	68.6	66.2	63.8	61.5	59.1	117.9
107.5°	75.8	74.9	74.1	73.2	72.3	73.1	75.5	78.0	80.3	82.8	153.3
110°	76.5	75.7	74.9	74.0	73.1	83.4	105.0	126.5	148.1	169.6	231.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	77.3	76.6	76.0	75.3	74.5	113.5	192.1	270.6	349.2	427.7	443.1
115°	79.5	95.0	110.5	126.0	141.5	199.1	298.8	398.5	498.2	597.9	592.6
117.5°	324.4	375.4	426.4	477.3	528.2	565.8	589.9	614.0	638.1	662.3	658.5
120°	591.1	620.2	649.3	678.3	707.4	720.6	718.0	715.5	712.9	710.3	706.5
122.5°	737.6	743.3	748.9	754.6	760.2	762.2	760.7	759.1	757.6	756.1	751.9
125°	828.5	827.9	827.3	826.6	825.9	824.9	823.4	821.9	820.4	818.9	814.8
127.5°	885.9	885.7	885.7	885.5	885.4	884.2	882.0	879.8	877.7	875.4	872.4
130°	921.5	921.8	922.0	922.2	922.4	921.3	919.0	916.6	914.3	911.9	909.5
132.5°	956.5	956.6	956.9	957.1	957.3	956.4	954.3	952.4	950.3	948.3	945.9
135°	1006.9	1007.3	1007.7	1008.1	1008.5	1007.7	1005.5	1003.4	1001.2	999.1	997.1
137.5°	1052.7	1053.5	1054.2	1054.9	1055.7	1055.0	1052.9	1050.8	1048.7	1046.6	1044.3
140°	1081.5	1082.5	1083.6	1084.7	1085.8	1085.4	1083.4	1081.5	1079.5	1077.6	1075.2
142.5°	1109.4	1110.4	1111.5	1112.6	1113.6	1113.3	1111.6	1109.8	1108.0	1106.3	1103.5
145°	1148.3	1149.4	1150.5	1151.5	1152.6	1152.4	1150.9	1149.4	1147.9	1146.4	1142.7
147.5°	1182.6	1183.5	1184.4	1185.3	1186.2	1186.1	1185.0	1183.9	1182.8	1181.6	1178.1
150°	1203.6	1204.6	1205.7	1206.8	1207.8	1207.8	1206.5	1205.1	1203.9	1202.6	1199.1
152.5°	1221.4	1222.8	1224.2	1225.7	1227.1	1227.2	1225.8	1224.6	1223.3	1221.9	1218.7
155°	1246.2	1247.9	1249.7	1251.3	1253.1	1253.3	1252.0	1250.7	1249.4	1248.2	1245.5
157.5°	1268.8	1270.6	1272.2	1273.9	1275.6	1275.7	1274.2	1272.8	1271.3	1269.9	1268.0
160°	1282.1	1283.6	1285.1	1286.6	1288.1	1288.2	1286.9	1285.6	1284.3	1283.0	1281.8
162.5°	1292.9	1294.7	1296.6	1298.5	1300.3	1300.5	1299.0	1297.6	1296.1	1294.7	1293.6
165°	1309.2	1310.7	1312.2	1313.7	1315.2	1315.2	1313.7	1312.2	1310.7	1309.2	1308.5
167.5°	1319.5	1321.4	1323.3	1325.2	1327.2	1327.4	1325.9	1324.4	1322.9	1321.4	1320.8
170°	1325.6	1327.6	1329.5	1331.5	1333.4	1333.6	1332.1	1330.6	1329.1	1327.6	1327.1
172.5°	1330.3	1332.2	1334.2	1336.1	1338.1	1338.2	1336.7	1335.2	1333.7	1332.2	1331.8
175°	1334.4	1336.5	1338.7	1340.8	1343.0	1343.3	1341.8	1340.3	1338.8	1337.3	1336.9
177.5°	1336.9	1338.5	1340.0	1341.6	1343.1	1343.3	1342.0	1340.8	1339.7	1338.5	1338.2
180°	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2



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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°	15.8	15.4	15.1	15.5	13.8	13.3	11.2	9.4	9.5	9.6	9.2
90°	15.9	14.2	12.5	10.5	8.1	5.7	3.3	1.0	3.3	5.7	8.1
92.5°	20.8	19.9	19.0	18.7	18.9	19.2	19.3	19.6	19.3	19.2	18.9
95°	34.8	33.3	31.8	34.5	41.7	48.8	55.8	63.0	55.8	48.8	41.7
97.5°	43.6	40.1	36.6	44.9	65.0	84.9	105.0	125.0	105.0	84.9	65.0
100°	47.9	44.3	40.6	53.6	83.0	112.5	142.0	171.5	142.0	112.5	83.0
102.5°	118.0	148.6	179.3	197.7	204.0	210.2	216.4	222.7	216.4	210.2	204.0
105°	176.7	235.5	294.3	320.4	313.9	307.5	301.0	294.6	301.0	307.5	313.9
107.5°	223.8	294.3	364.8	397.4	392.2	387.0	381.8	376.6	381.8	387.0	392.2
110°	294.1	356.3	418.5	447.3	442.8	438.3	433.8	429.3	433.8	438.3	442.8



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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	458.5	473.9	489.3	495.0	490.9	486.9	482.9	478.9	482.9	486.9	490.9
115°	587.2	581.8	576.4	571.9	568.2	564.5	560.9	557.2	560.9	564.5	568.2
117.5°	654.8	651.1	647.5	643.6	639.4	635.3	631.3	627.2	631.3	635.3	639.4
120°	702.6	698.7	694.8	691.3	688.0	684.8	681.6	678.3	681.6	684.8	688.0
122.5°	747.6	743.4	739.2	735.4	732.0	728.6	725.2	721.8	725.2	728.6	732.0
125°	810.6	806.6	802.5	799.0	796.2	793.4	790.6	787.8	790.6	793.4	796.2
127.5°	869.3	866.3	863.2	860.2	857.1	853.9	850.8	847.7	850.8	853.9	857.1
130°	907.1	904.8	902.4	899.5	896.0	892.6	889.1	885.7	889.1	892.6	896.0
132.5°	943.6	941.2	938.8	936.2	933.3	930.3	927.4	924.5	927.4	930.3	933.3
135°	995.2	993.2	991.3	988.6	985.2	981.8	978.3	974.9	978.3	981.8	985.2
137.5°	1042.2	1040.0	1037.8	1035.5	1033.1	1030.6	1028.3	1025.8	1028.3	1030.6	1033.1
140°	1072.9	1070.5	1068.1	1066.0	1064.3	1062.6	1060.9	1059.1	1060.9	1062.6	1064.3
142.5°	1100.8	1098.1	1095.4	1093.3	1091.7	1090.2	1088.6	1087.1	1088.6	1090.2	1091.7
145°	1139.1	1135.4	1131.7	1130.0	1130.2	1130.4	1130.7	1130.8	1130.7	1130.4	1130.2
147.5°	1174.4	1170.8	1167.2	1165.8	1166.6	1167.4	1168.2	1169.0	1168.2	1167.4	1166.6
150°	1195.7	1192.2	1188.8	1187.8	1189.3	1190.9	1192.4	1193.9	1192.4	1190.9	1189.3
152.5°	1215.4	1212.1	1208.9	1208.1	1209.7	1211.4	1213.1	1214.8	1213.1	1211.4	1209.7
155°	1242.9	1240.4	1237.8	1237.5	1239.4	1241.3	1243.3	1245.2	1243.3	1241.3	1239.4
157.5°	1266.2	1264.4	1262.6	1262.5	1264.2	1265.7	1267.4	1269.1	1267.4	1265.7	1264.2
160°	1280.4	1279.1	1277.9	1277.9	1279.1	1280.4	1281.8	1283.0	1281.8	1280.4	1279.1
162.5°	1292.4	1291.3	1290.1	1290.2	1291.6	1292.8	1294.1	1295.5	1294.1	1292.8	1291.6
165°	1307.9	1307.3	1306.6	1306.9	1308.2	1309.5	1310.8	1312.1	1310.8	1309.5	1308.2
167.5°	1320.2	1319.6	1319.0	1319.3	1320.6	1321.9	1323.2	1324.5	1323.2	1321.9	1320.6
170°	1326.7	1326.3	1325.9	1326.3	1327.6	1328.9	1330.2	1331.5	1330.2	1328.9	1327.6
172.5°	1331.3	1330.9	1330.5	1330.9	1332.2	1333.6	1334.8	1336.1	1334.8	1333.6	1332.2
175°	1336.4	1336.0	1335.5	1336.1	1337.6	1339.1	1340.6	1342.1	1340.6	1339.1	1337.6
177.5°	1338.1	1337.9	1337.8	1338.2	1339.5	1340.7	1341.9	1343.1	1341.9	1340.7	1339.5
180°	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2



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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°	9.3	9.2	9.2	9.5	9.4	9.3	9.1	9.3	9.6	9.0	9.1
90°	10.5	12.5	14.2	15.9	17.7	19.4	20.4	21.5	22.6	23.7	24.5
92.5°	18.7	19.0	19.9	20.8	21.6	22.5	23.1	23.6	24.2	24.7	25.1
95°	34.5	31.8	33.3	34.8	36.3	37.8	38.9	39.9	41.0	42.1	42.5
97.5°	44.9	36.6	40.1	43.6	47.1	50.6	51.4	52.3	53.2	54.0	54.6
100°	53.6	40.6	44.3	47.9	51.6	55.2	57.0	58.7	60.4	62.1	63.2
102.5°	197.7	179.3	148.6	118.0	87.4	56.8	59.0	61.2	63.5	65.8	67.2
105°	320.4	294.3	235.5	176.7	117.9	59.1	61.5	63.8	66.2	68.6	70.2
107.5°	397.4	364.8	294.3	223.8	153.3	82.8	80.3	78.0	75.5	73.1	72.3
110°	447.3	418.5	356.3	294.1	231.8	169.6	148.1	126.5	105.0	83.4	73.1



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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	495.0	489.3	473.9	458.5	443.1	427.7	349.2	270.6	192.1	113.5	74.5
115°	571.9	576.4	581.8	587.2	592.6	597.9	498.2	398.5	298.8	199.1	141.5
117.5°	643.6	647.5	651.1	654.8	658.5	662.3	638.1	614.0	589.9	565.8	528.2
120°	691.3	694.8	698.7	702.6	706.5	710.3	712.9	715.5	718.0	720.6	707.4
122.5°	735.4	739.2	743.4	747.6	751.9	756.1	757.6	759.1	760.7	762.2	760.2
125°	799.0	802.5	806.6	810.6	814.8	818.9	820.4	821.9	823.4	824.9	825.9
127.5°	860.2	863.2	866.3	869.3	872.4	875.4	877.7	879.8	882.0	884.2	885.4
130°	899.5	902.4	904.8	907.1	909.5	911.9	914.3	916.6	919.0	921.3	922.4
132.5°	936.2	938.8	941.2	943.6	945.9	948.3	950.3	952.4	954.3	956.4	957.3
135°	988.6	991.3	993.2	995.2	997.1	999.1	1001.2	1003.4	1005.5	1007.7	1008.5
137.5°	1035.5	1037.8	1040.0	1042.2	1044.3	1046.6	1048.7	1050.8	1052.9	1055.0	1055.7
140°	1066.0	1068.1	1070.5	1072.9	1075.2	1077.6	1079.5	1081.5	1083.4	1085.4	1085.8
142.5°	1093.3	1095.4	1098.1	1100.8	1103.5	1106.3	1108.0	1109.8	1111.6	1113.3	1113.6
145°	1130.0	1131.7	1135.4	1139.1	1142.7	1146.4	1147.9	1149.4	1150.9	1152.4	1152.6
147.5°	1165.8	1167.2	1170.8	1174.4	1178.1	1181.6	1182.8	1183.9	1185.0	1186.1	1186.2
150°	1187.8	1188.8	1192.2	1195.7	1199.1	1202.6	1203.9	1205.1	1206.5	1207.8	1207.8
152.5°	1208.1	1208.9	1212.1	1215.4	1218.7	1221.9	1223.3	1224.6	1225.8	1227.2	1227.1
155°	1237.5	1237.8	1240.4	1242.9	1245.5	1248.2	1249.4	1250.7	1252.0	1253.3	1253.1
157.5°	1262.5	1262.6	1264.4	1266.2	1268.0	1269.9	1271.3	1272.8	1274.2	1275.7	1275.6
160°	1277.9	1277.9	1279.1	1280.4	1281.8	1283.0	1284.3	1285.6	1286.9	1288.2	1288.1
162.5°	1290.2	1290.1	1291.3	1292.4	1293.6	1294.7	1296.1	1297.6	1299.0	1300.5	1300.3
165°	1306.9	1306.6	1307.3	1307.9	1308.5	1309.2	1310.7	1312.2	1313.7	1315.2	1315.2
167.5°	1319.3	1319.0	1319.6	1320.2	1320.8	1321.4	1322.9	1324.4	1325.9	1327.4	1327.2
170°	1326.3	1325.9	1326.3	1326.7	1327.1	1327.6	1329.1	1330.6	1332.1	1333.6	1333.4
172.5°	1330.9	1330.5	1330.9	1331.3	1331.8	1332.2	1333.7	1335.2	1336.7	1338.2	1338.1
175°	1336.1	1335.5	1336.0	1336.4	1336.9	1337.3	1338.8	1340.3	1341.8	1343.3	1343.0
177.5°	1338.2	1337.8	1337.9	1338.1	1338.2	1338.5	1339.7	1340.8	1342.0	1343.3	1343.1
180°	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2



TEST NUMBER: P331573-927

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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°	9.2	8.9	9.0	8.6	9.0	8.9	9.2	9.1	9.0	9.6	9.3
90°	24.9	25.3	25.7	26.1	25.7	25.3	24.9	24.5	23.7	22.6	21.5
92.5°	25.3	25.7	25.9	26.1	25.9	25.7	25.3	25.1	24.7	24.2	23.6
95°	42.3	42.1	41.9	41.7	41.9	42.1	42.3	42.5	42.1	41.0	39.9
97.5°	54.8	55.1	55.4	55.6	55.4	55.1	54.8	54.6	54.0	53.2	52.3
100°	63.6	64.1	64.5	65.0	64.5	64.1	63.6	63.2	62.1	60.4	58.7
102.5°	67.7	68.4	69.0	69.6	69.0	68.4	67.7	67.2	65.8	63.5	61.2
105°	71.1	71.9	72.8	73.7	72.8	71.9	71.1	70.2	68.6	66.2	63.8
107.5°	73.2	74.1	74.9	75.8	74.9	74.1	73.2	72.3	73.1	75.5	78.0
110°	74.0	74.9	75.7	76.5	75.7	74.9	74.0	73.1	83.4	105.0	126.5



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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	75.3	76.0	76.6	77.3	76.6	76.0	75.3	74.5	113.5	192.1	270.6
115°	126.0	110.5	95.0	79.5	95.0	110.5	126.0	141.5	199.1	298.8	398.5
117.5°	477.3	426.4	375.4	324.4	375.4	426.4	477.3	528.2	565.8	589.9	614.0
120°	678.3	649.3	620.2	591.1	620.2	649.3	678.3	707.4	720.6	718.0	715.5
122.5°	754.6	748.9	743.3	737.6	743.3	748.9	754.6	760.2	762.2	760.7	759.1
125°	826.6	827.3	827.9	828.5	827.9	827.3	826.6	825.9	824.9	823.4	821.9
127.5°	885.5	885.7	885.7	885.9	885.7	885.7	885.5	885.4	884.2	882.0	879.8
130°	922.2	922.0	921.8	921.5	921.8	922.0	922.2	922.4	921.3	919.0	916.6
132.5°	957.1	956.9	956.6	956.5	956.6	956.9	957.1	957.3	956.4	954.3	952.4
135°	1008.1	1007.7	1007.3	1006.9	1007.3	1007.7	1008.1	1008.5	1007.7	1005.5	1003.4
137.5°	1054.9	1054.2	1053.5	1052.7	1053.5	1054.2	1054.9	1055.7	1055.0	1052.9	1050.8
140°	1084.7	1083.6	1082.5	1081.5	1082.5	1083.6	1084.7	1085.8	1085.4	1083.4	1081.5
142.5°	1112.6	1111.5	1110.4	1109.4	1110.4	1111.5	1112.6	1113.6	1113.3	1111.6	1109.8
145°	1151.5	1150.5	1149.4	1148.3	1149.4	1150.5	1151.5	1152.6	1152.4	1150.9	1149.4
147.5°	1185.3	1184.4	1183.5	1182.6	1183.5	1184.4	1185.3	1186.2	1186.1	1185.0	1183.9
150°	1206.8	1205.7	1204.6	1203.6	1204.6	1205.7	1206.8	1207.8	1207.8	1206.5	1205.1
152.5°	1225.7	1224.2	1222.8	1221.4	1222.8	1224.2	1225.7	1227.1	1227.2	1225.8	1224.6
155°	1251.3	1249.7	1247.9	1246.2	1247.9	1249.7	1251.3	1253.1	1253.3	1252.0	1250.7
157.5°	1273.9	1272.2	1270.6	1268.8	1270.6	1272.2	1273.9	1275.6	1275.7	1274.2	1272.8
160°	1286.6	1285.1	1283.6	1282.1	1283.6	1285.1	1286.6	1288.1	1288.2	1286.9	1285.6
162.5°	1298.5	1296.6	1294.7	1292.9	1294.7	1296.6	1298.5	1300.3	1300.5	1299.0	1297.6
165°	1313.7	1312.2	1310.7	1309.2	1310.7	1312.2	1313.7	1315.2	1315.2	1313.7	1312.2
167.5°	1325.2	1323.3	1321.4	1319.5	1321.4	1323.3	1325.2	1327.2	1327.4	1325.9	1324.4
170°	1331.5	1329.5	1327.6	1325.6	1327.6	1329.5	1331.5	1333.4	1333.6	1332.1	1330.6
172.5°	1336.1	1334.2	1332.2	1330.3	1332.2	1334.2	1336.1	1338.1	1338.2	1336.7	1335.2
175°	1340.8	1338.7	1336.5	1334.4	1336.5	1338.7	1340.8	1343.0	1343.3	1341.8	1340.3
177.5°	1341.6	1340.0	1338.5	1336.9	1338.5	1340.0	1341.6	1343.1	1343.3	1342.0	1340.8
180°	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2



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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°	9.1	9.3	9.4	9.5	9.2	9.2	9.3	9.2	9.6	9.5	9.4
90°	20.4	19.4	17.7	15.9	14.2	12.5	10.5	8.1	5.7	3.3	1.0
92.5°	23.1	22.5	21.6	20.8	19.9	19.0	18.7	18.9	19.2	19.3	19.6
95°	38.9	37.8	36.3	34.8	33.3	31.8	34.5	41.7	48.8	55.8	63.0
97.5°	51.4	50.6	47.1	43.6	40.1	36.6	44.9	65.0	84.9	105.0	125.0
100°	57.0	55.2	51.6	47.9	44.3	40.6	53.6	83.0	112.5	142.0	171.5
102.5°	59.0	56.8	87.4	118.0	148.6	179.3	197.7	204.0	210.2	216.4	222.7
105°	61.5	59.1	117.9	176.7	235.5	294.3	320.4	313.9	307.5	301.0	294.6
107.5°	80.3	82.8	153.3	223.8	294.3	364.8	397.4	392.2	387.0	381.8	376.6
110°	148.1	169.6	231.8	294.1	356.3	418.5	447.3	442.8	438.3	433.8	429.3



TEST NUMBER: P331573-927

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	349.2	427.7	443.1	458.5	473.9	489.3	495.0	490.9	486.9	482.9	478.9
115°	498.2	597.9	592.6	587.2	581.8	576.4	571.9	568.2	564.5	560.9	557.2
117.5°	638.1	662.3	658.5	654.8	651.1	647.5	643.6	639.4	635.3	631.3	627.2
120°	712.9	710.3	706.5	702.6	698.7	694.8	691.3	688.0	684.8	681.6	678.3
122.5°	757.6	756.1	751.9	747.6	743.4	739.2	735.4	732.0	728.6	725.2	721.8
125°	820.4	818.9	814.8	810.6	806.6	802.5	799.0	796.2	793.4	790.6	787.8
127.5°	877.7	875.4	872.4	869.3	866.3	863.2	860.2	857.1	853.9	850.8	847.7
130°	914.3	911.9	909.5	907.1	904.8	902.4	899.5	896.0	892.6	889.1	885.7
132.5°	950.3	948.3	945.9	943.6	941.2	938.8	936.2	933.3	930.3	927.4	924.5
135°	1001.2	999.1	997.1	995.2	993.2	991.3	988.6	985.2	981.8	978.3	974.9
137.5°	1048.7	1046.6	1044.3	1042.2	1040.0	1037.8	1035.5	1033.1	1030.6	1028.3	1025.8
140°	1079.5	1077.6	1075.2	1072.9	1070.5	1068.1	1066.0	1064.3	1062.6	1060.9	1059.1
142.5°	1108.0	1106.3	1103.5	1100.8	1098.1	1095.4	1093.3	1091.7	1090.2	1088.6	1087.1
145°	1147.9	1146.4	1142.7	1139.1	1135.4	1131.7	1130.0	1130.2	1130.4	1130.7	1130.8
147.5°	1182.8	1181.6	1178.1	1174.4	1170.8	1167.2	1165.8	1166.6	1167.4	1168.2	1169.0
150°	1203.9	1202.6	1199.1	1195.7	1192.2	1188.8	1187.8	1189.3	1190.9	1192.4	1193.9
152.5°	1223.3	1221.9	1218.7	1215.4	1212.1	1208.9	1208.1	1209.7	1211.4	1213.1	1214.8
155°	1249.4	1248.2	1245.5	1242.9	1240.4	1237.8	1237.5	1239.4	1241.3	1243.3	1245.2
157.5°	1271.3	1269.9	1268.0	1266.2	1264.4	1262.6	1262.5	1264.2	1265.7	1267.4	1269.1
160°	1284.3	1283.0	1281.8	1280.4	1279.1	1277.9	1277.9	1279.1	1280.4	1281.8	1283.0
162.5°	1296.1	1294.7	1293.6	1292.4	1291.3	1290.1	1290.2	1291.6	1292.8	1294.1	1295.5
165°	1310.7	1309.2	1308.5	1307.9	1307.3	1306.6	1306.9	1308.2	1309.5	1310.8	1312.1
167.5°	1322.9	1321.4	1320.8	1320.2	1319.6	1319.0	1319.3	1320.6	1321.9	1323.2	1324.5
170°	1329.1	1327.6	1327.1	1326.7	1326.3	1325.9	1326.3	1327.6	1328.9	1330.2	1331.5
172.5°	1333.7	1332.2	1331.8	1331.3	1330.9	1330.5	1330.9	1332.2	1333.6	1334.8	1336.1
175°	1338.8	1337.3	1336.9	1336.4	1336.0	1335.5	1336.1	1337.6	1339.1	1340.6	1342.1
177.5°	1339.7	1338.5	1338.2	1338.1	1337.9	1337.8	1338.2	1339.5	1340.7	1341.9	1343.1
180°	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2



TEST NUMBER: P331573-927

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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	13.3	13.8	15.5	15.1	15.4	15.8	15.8	15.7	15.4	15.2
90°	3.3	5.7	8.1	10.5	12.5	14.2	15.9	17.7	19.4	20.4	21.5
92.5°	19.3	19.2	18.9	18.7	19.0	19.9	20.8	21.6	22.5	23.1	23.6
95°	55.8	48.8	41.7	34.5	31.8	33.3	34.8	36.3	37.8	38.9	39.9
97.5°	105.0	84.9	65.0	44.9	36.6	40.1	43.6	47.1	50.6	51.4	52.3
100°	142.0	112.5	83.0	53.6	40.6	44.3	47.9	51.6	55.2	57.0	58.7
102.5°	216.4	210.2	204.0	197.7	179.3	148.6	118.0	87.4	56.8	59.0	61.2
105°	301.0	307.5	313.9	320.4	294.3	235.5	176.7	117.9	59.1	61.5	63.8
107.5°	381.8	387.0	392.2	397.4	364.8	294.3	223.8	153.3	82.8	80.3	78.0
110°	433.8	438.3	442.8	447.3	418.5	356.3	294.1	231.8	169.6	148.1	126.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	482.9	486.9	490.9	495.0	489.3	473.9	458.5	443.1	427.7	349.2	270.6
115°	560.9	564.5	568.2	571.9	576.4	581.8	587.2	592.6	597.9	498.2	398.5
117.5°	631.3	635.3	639.4	643.6	647.5	651.1	654.8	658.5	662.3	638.1	614.0
120°	681.6	684.8	688.0	691.3	694.8	698.7	702.6	706.5	710.3	712.9	715.5
122.5°	725.2	728.6	732.0	735.4	739.2	743.4	747.6	751.9	756.1	757.6	759.1
125°	790.6	793.4	796.2	799.0	802.5	806.6	810.6	814.8	818.9	820.4	821.9
127.5°	850.8	853.9	857.1	860.2	863.2	866.3	869.3	872.4	875.4	877.7	879.8
130°	889.1	892.6	896.0	899.5	902.4	904.8	907.1	909.5	911.9	914.3	916.6
132.5°	927.4	930.3	933.3	936.2	938.8	941.2	943.6	945.9	948.3	950.3	952.4
135°	978.3	981.8	985.2	988.6	991.3	993.2	995.2	997.1	999.1	1001.2	1003.4
137.5°	1028.3	1030.6	1033.1	1035.5	1037.8	1040.0	1042.2	1044.3	1046.6	1048.7	1050.8
140°	1060.9	1062.6	1064.3	1066.0	1068.1	1070.5	1072.9	1075.2	1077.6	1079.5	1081.5
142.5°	1088.6	1090.2	1091.7	1093.3	1095.4	1098.1	1100.8	1103.5	1106.3	1108.0	1109.8
145°	1130.7	1130.4	1130.2	1130.0	1131.7	1135.4	1139.1	1142.7	1146.4	1147.9	1149.4
147.5°	1168.2	1167.4	1166.6	1165.8	1167.2	1170.8	1174.4	1178.1	1181.6	1182.8	1183.9
150°	1192.4	1190.9	1189.3	1187.8	1188.8	1192.2	1195.7	1199.1	1202.6	1203.9	1205.1
152.5°	1213.1	1211.4	1209.7	1208.1	1208.9	1212.1	1215.4	1218.7	1221.9	1223.3	1224.6
155°	1243.3	1241.3	1239.4	1237.5	1237.8	1240.4	1242.9	1245.5	1248.2	1249.4	1250.7
157.5°	1267.4	1265.7	1264.2	1262.5	1262.6	1264.4	1266.2	1268.0	1269.9	1271.3	1272.8
160°	1281.8	1280.4	1279.1	1277.9	1277.9	1279.1	1280.4	1281.8	1283.0	1284.3	1285.6
162.5°	1294.1	1292.8	1291.6	1290.2	1290.1	1291.3	1292.4	1293.6	1294.7	1296.1	1297.6
165°	1310.8	1309.5	1308.2	1306.9	1306.6	1307.3	1307.9	1308.5	1309.2	1310.7	1312.2
167.5°	1323.2	1321.9	1320.6	1319.3	1319.0	1319.6	1320.2	1320.8	1321.4	1322.9	1324.4
170°	1330.2	1328.9	1327.6	1326.3	1325.9	1326.3	1326.7	1327.1	1327.6	1329.1	1330.6
172.5°	1334.8	1333.6	1332.2	1330.9	1330.5	1330.9	1331.3	1331.8	1332.2	1333.7	1335.2
175°	1340.6	1339.1	1337.6	1336.1	1335.5	1336.0	1336.4	1336.9	1337.3	1338.8	1340.3
177.5°	1341.9	1340.7	1339.5	1338.2	1337.8	1337.9	1338.1	1338.2	1338.5	1339.7	1340.8
180°	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2



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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°	15.8	16.1	15.8	15.9	16.4	16.1	16.2
90°	22.6	23.7	24.5	24.9	25.3	25.7	26.1
92.5°	24.2	24.7	25.1	25.3	25.7	25.9	26.1
95°	41.0	42.1	42.5	42.3	42.1	41.9	41.7
97.5°	53.2	54.0	54.6	54.8	55.1	55.4	55.6
100°	60.4	62.1	63.2	63.6	64.1	64.5	65.0
102.5°	63.5	65.8	67.2	67.7	68.4	69.0	69.6
105°	66.2	68.6	70.2	71.1	71.9	72.8	73.7
107.5°	75.5	73.1	72.3	73.2	74.1	74.9	75.8
110°	105.0	83.4	73.1	74.0	74.9	75.7	76.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	192.1	113.5	74.5	75.3	76.0	76.6	77.3
115°	298.8	199.1	141.5	126.0	110.5	95.0	79.5
117.5°	589.9	565.8	528.2	477.3	426.4	375.4	324.4
120°	718.0	720.6	707.4	678.3	649.3	620.2	591.1
122.5°	760.7	762.2	760.2	754.6	748.9	743.3	737.6
125°	823.4	824.9	825.9	826.6	827.3	827.9	828.5
127.5°	882.0	884.2	885.4	885.5	885.7	885.7	885.9
130°	919.0	921.3	922.4	922.2	922.0	921.8	921.5
132.5°	954.3	956.4	957.3	957.1	956.9	956.6	956.5
135°	1005.5	1007.7	1008.5	1008.1	1007.7	1007.3	1006.9
137.5°	1052.9	1055.0	1055.7	1054.9	1054.2	1053.5	1052.7
140°	1083.4	1085.4	1085.8	1084.7	1083.6	1082.5	1081.5
142.5°	1111.6	1113.3	1113.6	1112.6	1111.5	1110.4	1109.4
145°	1150.9	1152.4	1152.6	1151.5	1150.5	1149.4	1148.3
147.5°	1185.0	1186.1	1186.2	1185.3	1184.4	1183.5	1182.6
150°	1206.5	1207.8	1207.8	1206.8	1205.7	1204.6	1203.6
152.5°	1225.8	1227.2	1227.1	1225.7	1224.2	1222.8	1221.4
155°	1252.0	1253.3	1253.1	1251.3	1249.7	1247.9	1246.2
157.5°	1274.2	1275.7	1275.6	1273.9	1272.2	1270.6	1268.8
160°	1286.9	1288.2	1288.1	1286.6	1285.1	1283.6	1282.1
162.5°	1299.0	1300.5	1300.3	1298.5	1296.6	1294.7	1292.9
165°	1313.7	1315.2	1315.2	1313.7	1312.2	1310.7	1309.2
167.5°	1325.9	1327.4	1327.2	1325.2	1323.3	1321.4	1319.5
170°	1332.1	1333.6	1333.4	1331.5	1329.5	1327.6	1325.6
172.5°	1336.7	1338.2	1338.1	1336.1	1334.2	1332.2	1330.3
175°	1341.8	1343.3	1343.0	1340.8	1338.7	1336.5	1334.4
177.5°	1342.0	1343.3	1343.1	1341.6	1340.0	1338.5	1336.9
180°	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2	1339.2

(END OF REPORT)