

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: P331348

Luminaire Tested: **S122DIP-S675D725U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331348
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: S122DIP-S675D725U835-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5830.0 lumens
Efficiency: N/A
Efficacy: 127.0 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

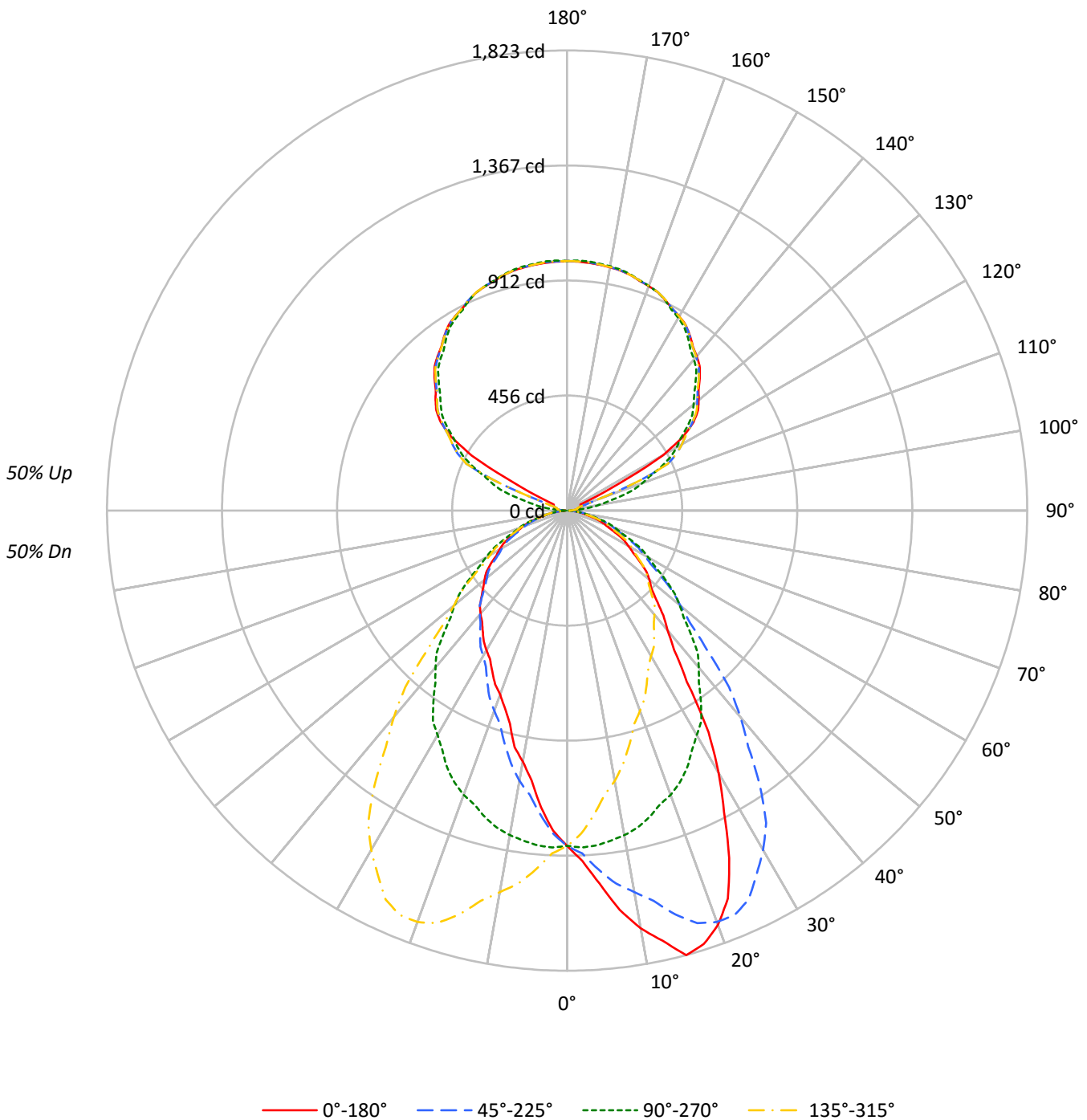
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	107	107	107	107	99	99	99	99	84	84	84	69	69	69	56	56	56	50
1	98	94	90	87	91	87	84	81	74	72	70	62	60	59	51	50	49	43
2	90	83	77	72	83	77	72	67	65	62	58	55	52	50	45	43	42	37
3	82	73	66	61	76	68	62	57	58	53	50	49	46	43	40	38	36	32
4	76	65	57	52	70	61	54	49	52	47	43	44	40	37	36	34	31	28
5	70	58	50	45	64	54	47	42	47	41	37	40	36	32	33	30	28	25
6	64	52	45	39	59	49	42	37	42	37	33	36	32	29	30	27	25	22
7	60	48	40	34	55	44	37	33	38	33	29	33	29	26	28	25	22	20
8	55	43	36	31	51	41	34	29	35	30	26	30	26	23	26	22	20	18
9	52	40	32	27	48	37	31	26	32	27	23	28	24	21	24	20	18	16
10	48	36	29	25	45	34	28	23	30	25	21	26	22	19	22	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	21447	21447	21447	21447
5°	24044	21585	19128	21585
10°	27552	21408	16554	21408
15°	30479	21016	14626	21016
20°	30015	20594	13332	20594
25°	27064	20035	12513	20035
30°	22365	19140	11915	19140
35°	16301	18203	11491	18203
40°	13019	17098	11255	17098
45°	11376	15817	10933	15817
50°	10693	14579	10721	14579
55°	9858	13320	10432	13320
60°	9032	11983	9991	11983
65°	8229	10785	9555	10785
70°	7468	9616	8917	9616
75°	6625	8309	7898	8309
80°	5700	6881	6360	6881
85°	5113	5113	3779	5113



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.5	2.2
10°-20°	367.8	6.3
20°-30°	533.7	9.2
30°-40°	563.2	9.7
40°-50°	498.7	8.6
50°-60°	398.0	6.8
60°-70°	270.5	4.6
70°-80°	138.7	2.4
80°-90°	35.9	0.6
90°-100°	33.0	0.6
100°-110°	120.9	2.1
110°-120°	323.3	5.5
120°-130°	533.6	9.2
130°-140°	567.5	9.7
140°-150°	527.5	9.0
150°-160°	424.1	7.3
160°-170°	273.3	4.7
170°-180°	94.1	1.6
0°-30°	1028.0	17.6
0°-40°	1591.2	27.3
0°-60°	2487.8	42.7
0°-90°	2932.9	50.3
90°-120°	477.2	8.2
90°-150°	2105.7	36.1
90°-180°	2897.0	49.7
0°-180°	5830.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1328	1328	1328	1328	1328	
5°	1484	1332	1180	1332	1484	148
15°	1823	1257	875	1257	1823	503
25°	1519	1125	702	1125	1519	687
35°	827	924	583	924	827	538
45°	498	693	479	693	498	392
55°	350	473	371	473	350	314
65°	215	282	250	282	215	214
75°	106	133	127	133	106	113
85°	28	28	20	28	28	31
90°	19	1	19	1	19	10
95°	31	46	31	46	31	29
105°	54	218	54	218	54	57
115°	59	411	59	411	59	147
125°	612	582	612	582	612	529
135°	743	720	743	720	743	573
145°	848	835	848	835	848	530
155°	920	919	920	919	920	424
165°	966	969	966	969	966	273
175°	985	991	985	991	985	94
180°	989	989	989	989	989	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3
2.5°	1389.5	1389.9	1390.8	1384.2	1383.4	1383.4	1377.7	1372.8	1367.1	1359.3	1360.1
5°	1483.5	1489.1	1491.1	1485.0	1475.8	1474.8	1466.1	1451.8	1438.5	1427.8	1420.2
7.5°	1595.6	1597.8	1592.8	1584.7	1577.9	1565.7	1549.5	1533.7	1511.5	1491.2	1476.1
10°	1680.5	1683.6	1674.9	1663.2	1653.5	1639.2	1615.7	1591.7	1562.6	1534.5	1512.0
12.5°	1745.0	1752.6	1741.5	1739.9	1723.3	1703.7	1675.7	1663.6	1622.6	1583.5	1559.4
15°	1823.4	1822.9	1824.0	1814.3	1802.0	1798.9	1769.3	1737.2	1679.5	1656.5	1616.7
17.5°	1800.8	1808.5	1812.1	1812.0	1811.7	1809.8	1800.3	1780.0	1751.1	1713.8	1667.8
20°	1746.9	1757.1	1758.6	1770.4	1777.0	1785.7	1789.2	1783.6	1765.8	1734.6	1694.8
22.5°	1663.6	1666.4	1671.2	1689.5	1703.9	1725.6	1737.0	1755.9	1749.0	1733.8	1700.5
25°	1519.2	1514.1	1532.0	1541.1	1574.3	1609.0	1634.1	1661.6	1686.1	1700.9	1691.2
27.5°	1345.8	1338.2	1364.9	1389.3	1416.3	1453.9	1492.9	1538.9	1577.2	1625.1	1641.5
30°	1199.6	1204.2	1229.8	1255.8	1296.6	1349.7	1393.6	1444.2	1498.8	1552.4	1589.6
32.5°	1042.0	1059.7	1075.8	1115.7	1151.6	1210.9	1275.2	1338.4	1406.5	1467.4	1525.1
35°	827.0	847.4	869.9	899.0	949.5	1008.2	1071.0	1156.2	1249.2	1332.4	1400.8
37.5°	696.1	692.8	705.7	726.7	767.7	815.0	887.3	971.6	1080.9	1178.7	1275.2
40°	617.7	615.6	624.8	644.2	675.4	710.1	773.4	847.4	949.0	1068.4	1183.3
42.5°	563.8	565.0	570.1	583.8	605.1	633.7	681.1	744.1	837.1	949.6	1073.0
45°	498.2	501.8	507.4	514.1	526.3	549.8	576.3	621.3	694.8	788.7	910.2
47.5°	451.1	451.2	456.9	462.7	470.0	483.2	504.9	533.0	584.9	661.4	765.8
50°	425.7	422.2	426.3	430.8	438.5	447.7	462.0	488.5	523.2	585.0	672.3
52.5°	394.7	394.8	398.5	400.2	407.1	416.2	429.3	447.7	479.1	527.4	599.2
55°	350.2	352.7	354.8	357.8	364.0	370.6	380.8	393.1	417.6	453.8	506.9
57.5°	308.3	309.1	311.2	317.0	320.9	327.0	336.7	347.8	363.8	390.6	430.5
60°	279.7	279.7	283.8	286.4	291.5	297.6	305.3	316.0	330.3	352.2	384.4
62.5°	253.6	253.2	254.8	259.0	262.9	268.6	276.3	285.4	298.8	318.3	344.8
65°	215.4	214.4	217.5	218.5	222.6	228.2	234.3	244.0	254.7	269.0	292.5
67.5°	178.7	179.9	181.5	183.5	185.7	191.6	195.7	202.6	211.6	223.5	239.4
70°	158.2	158.2	158.2	159.8	162.8	165.9	170.0	175.6	184.3	194.5	208.8
72.5°	135.4	137.0	138.6	137.7	141.6	143.4	148.3	151.5	159.8	166.3	179.0
75°	106.2	106.2	106.2	108.7	110.3	111.8	114.9	117.9	122.0	130.2	136.8
77.5°	79.2	79.0	79.5	80.1	81.8	83.6	84.5	87.3	91.1	94.8	100.5
80°	61.3	62.3	62.8	63.8	63.8	64.8	65.3	68.9	71.5	74.0	77.6
82.5°	47.4	47.6	47.7	47.9	48.3	48.9	50.2	51.4	52.3	54.4	57.2
85°	27.6	27.1	27.1	28.1	27.6	27.6	28.6	29.6	29.6	30.1	31.6
87.5°	14.5	14.4	14.8	14.3	14.2	14.5	14.4	13.8	14.0	14.3	14.5
90°	19.3	19.0	18.7	18.4	18.0	17.5	16.7	15.9	15.1	14.3	13.0
92.5°	19.3	19.1	18.9	18.7	18.6	18.2	17.8	17.4	17.0	16.6	16.0
95°	30.8	30.9	31.1	31.2	31.4	31.1	30.3	29.5	28.7	27.9	26.8
97.5°	41.1	40.9	40.7	40.5	40.3	39.9	39.2	38.6	38.0	37.3	34.8
100°	47.9	47.6	47.3	47.0	46.7	45.9	44.6	43.3	42.0	40.8	38.1
102.5°	51.4	50.9	50.5	50.0	49.6	48.5	46.9	45.2	43.6	41.9	64.5
105°	54.4	53.7	53.1	52.5	51.8	50.6	48.9	47.1	45.4	43.6	87.0
107.5°	55.9	55.3	54.7	54.0	53.4	54.0	55.7	57.5	59.3	61.1	113.1
110°	56.5	55.9	55.2	54.6	54.0	61.6	77.5	93.4	109.3	125.2	171.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	57.1	56.6	56.1	55.6	55.0	83.8	141.8	199.8	257.8	315.7	327.1
115°	58.7	70.1	81.5	93.0	104.4	147.0	220.6	294.2	367.8	441.4	437.4
117.5°	239.5	277.1	314.7	352.3	389.9	417.6	435.4	453.3	471.1	488.9	486.1
120°	436.4	457.8	479.3	500.7	522.2	532.0	530.1	528.2	526.2	524.3	521.5
122.5°	544.5	548.7	552.8	557.0	561.2	562.7	561.5	560.4	559.2	558.1	555.0
125°	611.6	611.1	610.7	610.2	609.7	608.9	607.8	606.7	605.6	604.5	601.4
127.5°	654.0	653.9	653.8	653.7	653.6	652.7	651.1	649.5	647.9	646.2	644.0
130°	680.3	680.4	680.6	680.8	680.9	680.1	678.4	676.6	674.9	673.1	671.4
132.5°	706.0	706.2	706.4	706.5	706.7	706.0	704.5	703.0	701.5	700.0	698.3
135°	743.2	743.5	743.9	744.2	744.5	743.9	742.3	740.7	739.1	737.5	736.1
137.5°	777.1	777.7	778.2	778.8	779.3	778.8	777.2	775.7	774.1	772.6	770.9
140°	798.3	799.1	799.9	800.7	801.5	801.2	799.7	798.3	796.9	795.5	793.7
142.5°	818.9	819.7	820.5	821.3	822.1	821.8	820.5	819.2	817.9	816.6	814.6
145°	847.7	848.5	849.3	850.1	850.8	850.7	849.6	848.5	847.4	846.2	843.5
147.5°	873.0	873.7	874.3	875.0	875.7	875.6	874.8	873.9	873.1	872.3	869.6
150°	888.4	889.2	890.0	890.8	891.6	891.5	890.6	889.6	888.7	887.7	885.2
152.5°	901.6	902.7	903.7	904.8	905.8	905.9	904.9	903.9	903.0	902.0	899.6
155°	919.9	921.2	922.5	923.7	925.0	925.2	924.2	923.3	922.3	921.3	919.4
157.5°	936.7	937.9	939.1	940.4	941.6	941.7	940.6	939.5	938.5	937.4	936.0
160°	946.4	947.5	948.6	949.7	950.8	950.9	950.0	949.0	948.1	947.1	946.1
162.5°	954.4	955.8	957.1	958.5	959.9	960.0	958.9	957.8	956.8	955.7	954.9
165°	966.4	967.5	968.6	969.8	970.9	970.9	969.8	968.6	967.5	966.4	965.9
167.5°	974.0	975.4	976.9	978.3	979.7	979.9	978.8	977.7	976.5	975.4	975.0
170°	978.6	980.0	981.4	982.9	984.3	984.5	983.3	982.2	981.1	980.0	979.7
172.5°	982.0	983.4	984.9	986.3	987.7	987.9	986.8	985.7	984.6	983.4	983.1
175°	985.0	986.6	988.2	989.8	991.4	991.6	990.5	989.4	988.3	987.2	986.8
177.5°	986.9	988.0	989.2	990.3	991.5	991.6	990.7	989.8	988.9	988.0	987.9
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3
2.5°	1363.0	1359.7	1357.7	1350.3	1343.8	1337.3	1335.2	1336.0	1327.1	1318.5	1314.8
5°	1416.1	1405.9	1396.2	1382.4	1366.1	1348.2	1339.0	1331.8	1314.0	1294.6	1283.4
7.5°	1463.7	1449.1	1430.4	1404.4	1380.7	1352.6	1334.7	1318.9	1292.7	1265.4	1248.6
10°	1492.7	1472.7	1448.7	1417.1	1388.0	1353.8	1329.8	1305.8	1275.2	1242.5	1222.1
12.5°	1517.6	1490.7	1467.1	1426.5	1392.1	1349.3	1320.8	1287.0	1254.8	1216.0	1196.0
15°	1576.9	1527.4	1482.4	1436.5	1394.1	1334.4	1302.8	1257.3	1214.9	1167.0	1144.0
17.5°	1622.7	1567.1	1496.3	1437.9	1388.5	1322.4	1275.9	1221.5	1171.4	1116.5	1085.3
20°	1648.9	1585.0	1509.0	1439.6	1380.3	1304.8	1254.3	1198.6	1139.9	1078.1	1044.4
22.5°	1664.4	1597.3	1522.1	1433.4	1364.0	1290.5	1226.9	1165.9	1106.4	1039.8	1004.4
25°	1669.3	1608.0	1528.4	1428.3	1343.6	1260.4	1183.8	1124.6	1052.6	990.3	938.8
27.5°	1645.0	1601.1	1524.5	1418.7	1320.0	1222.7	1137.4	1070.3	994.3	926.7	874.9
30°	1615.2	1589.6	1515.1	1408.9	1301.2	1196.6	1102.6	1026.6	951.0	882.6	829.5
32.5°	1569.0	1563.5	1498.0	1395.0	1281.2	1163.5	1066.3	989.4	905.7	838.5	787.9
35°	1478.4	1502.9	1461.5	1364.0	1243.5	1116.4	1011.3	923.5	836.7	772.4	724.9
37.5°	1356.9	1417.7	1406.9	1318.6	1192.7	1065.2	949.1	857.3	774.6	709.7	663.1
40°	1273.1	1350.7	1362.0	1283.9	1156.8	1025.6	902.5	811.2	730.5	671.3	624.3
42.5°	1183.3	1274.0	1304.8	1242.2	1117.5	983.9	860.9	766.2	686.4	628.8	587.2
45°	1032.7	1152.7	1208.3	1172.6	1052.1	915.3	788.7	692.7	620.2	566.1	534.0
47.5°	891.9	1023.0	1097.8	1085.2	979.3	843.8	718.7	626.6	556.0	512.8	484.0
50°	792.3	927.0	1017.4	1021.5	927.0	792.8	667.2	580.4	515.6	475.3	451.8
52.5°	705.7	834.3	932.9	954.5	868.6	739.7	621.1	534.7	477.6	440.5	419.5
55°	592.7	701.4	810.6	850.5	781.5	659.0	549.3	473.2	419.6	394.1	375.7
57.5°	492.7	583.4	684.3	728.3	685.8	580.9	478.0	412.0	368.5	346.1	332.0
60°	440.0	511.5	601.3	653.9	617.2	523.8	433.9	371.1	335.4	315.5	302.2
62.5°	391.0	454.3	530.3	578.4	558.4	470.3	389.8	334.4	303.5	284.8	275.3
65°	322.6	372.7	431.4	475.8	462.5	395.6	329.8	282.3	257.8	243.0	235.3
67.5°	265.7	301.8	342.5	381.4	370.7	323.3	270.5	233.5	215.2	202.5	197.9
70°	229.7	257.3	293.5	324.7	316.0	277.2	235.3	203.7	187.9	177.1	172.5
72.5°	195.4	218.1	245.7	271.2	265.3	233.1	198.2	174.3	162.1	152.2	148.4
75°	147.5	164.9	181.7	198.6	197.0	172.0	151.6	133.2	123.5	115.9	114.3
77.5°	108.9	118.6	130.1	140.1	137.3	123.0	107.0	96.5	89.3	84.2	83.4
80°	83.2	88.8	97.0	104.1	100.6	94.4	81.7	74.0	68.9	63.8	61.8
82.5°	60.3	66.0	70.9	74.7	72.0	66.3	58.4	53.2	50.1	46.7	45.8
85°	31.6	34.7	36.8	37.8	36.8	33.2	29.6	27.6	25.0	23.5	23.0
87.5°	14.6	14.3	14.1	14.6	13.0	12.7	10.7	9.1	9.1	9.0	8.5
90°	11.8	10.5	9.2	7.7	6.0	4.2	2.5	0.7	2.5	4.2	6.0
92.5°	15.3	14.7	14.1	13.8	14.0	14.1	14.3	14.4	14.3	14.1	14.0
95°	25.7	24.6	23.4	25.5	30.8	36.0	41.3	46.5	41.3	36.0	30.8
97.5°	32.2	29.6	27.0	33.1	47.9	62.7	77.5	92.3	77.5	62.7	47.9
100°	35.4	32.7	30.0	39.5	61.3	83.1	104.8	126.6	104.8	83.1	61.3
102.5°	87.1	109.7	132.3	145.9	150.6	155.2	159.8	164.4	159.8	155.2	150.6
105°	130.4	173.8	217.2	236.5	231.8	227.0	222.2	217.5	222.2	227.0	231.8
107.5°	165.2	217.2	269.3	293.4	289.5	285.7	281.8	278.0	281.8	285.7	289.5
110°	217.1	263.0	308.9	330.2	326.9	323.6	320.2	316.9	320.2	323.6	326.9



TEST NUMBER: P331348

CATALOG NUMBER: S122DIP-S675D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	338.4	349.8	361.1	365.3	362.4	359.4	356.5	353.5	356.5	359.4	362.4
115°	433.4	429.4	425.5	422.1	419.4	416.7	414.0	411.3	414.0	416.7	419.4
117.5°	483.4	480.7	477.9	475.0	472.0	469.0	466.0	463.0	466.0	469.0	472.0
120°	518.6	515.8	512.9	510.3	507.9	505.5	503.1	500.7	503.1	505.5	507.9
122.5°	551.9	548.8	545.6	542.8	540.3	537.8	535.3	532.8	535.3	537.8	540.3
125°	598.4	595.4	592.4	589.8	587.8	585.7	583.6	581.6	583.6	585.7	587.8
127.5°	641.7	639.5	637.2	634.9	632.6	630.4	628.1	625.8	628.1	630.4	632.6
130°	669.6	667.9	666.1	664.0	661.4	658.9	656.4	653.8	656.4	658.9	661.4
132.5°	696.5	694.8	693.0	691.1	688.9	686.8	684.6	682.4	684.6	686.8	688.9
135°	734.6	733.2	731.8	729.8	727.3	724.7	722.2	719.6	722.2	724.7	727.3
137.5°	769.3	767.7	766.1	764.4	762.6	760.8	759.0	757.3	759.0	760.8	762.6
140°	792.0	790.2	788.5	786.9	785.7	784.4	783.1	781.9	783.1	784.4	785.7
142.5°	812.6	810.6	808.6	807.0	805.9	804.8	803.6	802.5	803.6	804.8	805.9
145°	840.8	838.1	835.4	834.2	834.3	834.5	834.6	834.8	834.6	834.5	834.3
147.5°	866.9	864.3	861.6	860.6	861.2	861.8	862.4	863.0	862.4	861.8	861.2
150°	882.6	880.1	877.6	876.8	878.0	879.1	880.2	881.3	880.2	879.1	878.0
152.5°	897.2	894.8	892.4	891.8	893.0	894.3	895.5	896.7	895.5	894.3	893.0
155°	917.5	915.6	913.7	913.5	914.9	916.3	917.8	919.2	917.8	916.3	914.9
157.5°	934.7	933.4	932.0	932.0	933.2	934.4	935.6	936.8	935.6	934.4	933.2
160°	945.2	944.2	943.3	943.3	944.2	945.2	946.1	947.1	946.1	945.2	944.2
162.5°	954.0	953.2	952.4	952.4	953.4	954.4	955.3	956.3	955.3	954.4	953.4
165°	965.5	965.0	964.5	964.7	965.7	966.7	967.6	968.6	967.6	966.7	965.7
167.5°	974.5	974.1	973.6	973.9	974.9	975.8	976.8	977.7	976.8	975.8	974.9
170°	979.4	979.1	978.7	979.1	980.0	981.0	981.9	982.9	981.9	981.0	980.0
172.5°	982.8	982.5	982.2	982.5	983.4	984.4	985.3	986.3	985.3	984.4	983.4
175°	986.5	986.2	985.9	986.3	987.4	988.5	989.6	990.7	989.6	988.5	987.4
177.5°	987.8	987.6	987.5	987.9	988.8	989.7	990.6	991.5	990.6	989.7	988.8
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



TEST NUMBER: P331348

CATALOG NUMBER: S122DIP-S675D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3
2.5°	1310.7	1308.3	1299.7	1295.2	1287.8	1280.9	1276.4	1278.5	1280.1	1279.3	1278.0
5°	1273.1	1263.4	1248.6	1235.9	1226.7	1209.8	1202.7	1199.1	1196.1	1192.5	1188.9
7.5°	1228.4	1213.1	1191.9	1173.7	1156.5	1135.6	1123.7	1116.5	1109.2	1101.1	1094.0
10°	1196.6	1175.1	1152.7	1127.1	1106.7	1087.8	1071.0	1059.8	1049.6	1039.9	1032.7
12.5°	1163.1	1138.4	1110.6	1075.7	1053.2	1026.2	1023.6	1003.8	987.9	981.9	973.5
15°	1109.8	1075.1	1039.9	998.5	980.6	956.1	940.8	925.5	911.7	902.0	899.5
17.5°	1049.2	1004.3	969.3	939.6	910.3	885.2	871.1	858.8	847.5	834.5	832.8
20°	1003.1	964.3	926.0	900.0	869.9	844.3	827.0	814.7	805.0	797.4	790.7
22.5°	959.4	916.9	881.9	853.4	823.7	803.1	789.4	777.6	769.5	761.0	754.8
25°	889.3	856.1	817.8	785.6	761.1	747.9	736.6	726.4	721.3	715.7	708.6
27.5°	827.9	791.0	755.2	730.3	708.8	697.0	689.0	682.1	677.3	674.0	670.0
30°	784.6	747.3	719.3	694.8	676.9	665.2	660.1	656.0	650.4	648.3	646.3
32.5°	743.0	709.4	685.4	664.1	647.1	639.4	634.7	631.1	626.7	624.6	620.5
35°	684.0	656.0	632.5	620.7	607.0	600.3	596.8	591.6	587.6	585.5	585.0
37.5°	628.6	604.2	588.8	573.7	567.9	563.8	558.9	555.4	554.2	553.9	553.4
40°	592.7	572.8	559.0	546.7	544.2	538.0	534.0	530.9	530.9	531.4	530.9
42.5°	560.0	542.1	530.0	519.4	516.4	512.7	508.6	508.4	509.3	511.0	509.3
45°	510.5	497.7	489.0	483.9	478.3	474.7	474.2	475.8	476.3	476.8	478.3
47.5°	464.9	456.5	448.6	443.0	440.5	439.9	439.3	442.0	444.4	445.3	447.7
50°	438.0	428.3	421.7	418.1	416.0	415.0	416.0	419.1	421.1	423.7	425.2
52.5°	407.8	400.9	396.3	393.6	392.8	393.4	393.6	397.1	400.3	401.2	402.0
55°	366.0	360.9	359.9	355.3	357.3	356.8	359.4	361.4	364.5	367.5	368.1
57.5°	324.4	320.3	317.5	317.9	318.5	320.8	322.9	326.5	329.8	333.0	333.3
60°	296.6	294.5	293.0	293.0	294.0	297.1	299.7	303.2	305.3	307.3	308.8
62.5°	271.3	269.2	267.7	268.5	271.2	273.0	276.0	277.9	279.9	282.0	282.7
65°	231.2	230.2	231.8	232.8	233.3	235.8	239.4	240.9	243.0	244.0	247.6
67.5°	194.4	194.6	194.4	195.8	198.8	199.4	202.8	206.3	206.7	208.7	211.0
70°	169.5	170.5	171.5	172.5	175.1	176.1	178.7	180.2	182.2	183.8	185.3
72.5°	146.6	146.8	147.8	147.6	149.8	152.0	154.2	155.7	157.7	159.7	161.2
75°	112.8	112.8	113.8	114.3	116.9	119.5	118.9	120.0	122.0	124.0	125.1
77.5°	82.4	81.3	82.4	82.9	83.7	85.9	86.3	87.7	90.0	89.3	90.5
80°	62.8	61.3	62.8	63.3	63.3	65.9	65.9	66.9	68.4	66.9	68.4
82.5°	44.8	44.1	45.2	45.3	46.1	46.2	47.1	47.3	48.8	48.1	48.8
85°	22.5	22.0	22.5	22.0	22.5	23.0	23.0	22.5	22.5	23.5	22.0
87.5°	8.5	8.4	8.2	8.5	8.3	8.2	7.9	8.1	8.2	7.6	7.7
90°	7.7	9.2	10.5	11.8	13.0	14.3	15.1	15.9	16.7	17.5	18.0
92.5°	13.8	14.1	14.7	15.3	16.0	16.6	17.0	17.4	17.8	18.2	18.6
95°	25.5	23.4	24.6	25.7	26.8	27.9	28.7	29.5	30.3	31.1	31.4
97.5°	33.1	27.0	29.6	32.2	34.8	37.3	38.0	38.6	39.2	39.9	40.3
100°	39.5	30.0	32.7	35.4	38.1	40.8	42.0	43.3	44.6	45.9	46.7
102.5°	145.9	132.3	109.7	87.1	64.5	41.9	43.6	45.2	46.9	48.5	49.6
105°	236.5	217.2	173.8	130.4	87.0	43.6	45.4	47.1	48.9	50.6	51.8
107.5°	293.4	269.3	217.2	165.2	113.1	61.1	59.3	57.5	55.7	54.0	53.4
110°	330.2	308.9	263.0	217.1	171.1	125.2	109.3	93.4	77.5	61.6	54.0



TEST NUMBER: P331348

CATALOG NUMBER: S122DIP-S675D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	365.3	361.1	349.8	338.4	327.1	315.7	257.8	199.8	141.8	83.8	55.0
115°	422.1	425.5	429.4	433.4	437.4	441.4	367.8	294.2	220.6	147.0	104.4
117.5°	475.0	477.9	480.7	483.4	486.1	488.9	471.1	453.3	435.4	417.6	389.9
120°	510.3	512.9	515.8	518.6	521.5	524.3	526.2	528.2	530.1	532.0	522.2
122.5°	542.8	545.6	548.8	551.9	555.0	558.1	559.2	560.4	561.5	562.7	561.2
125°	589.8	592.4	595.4	598.4	601.4	604.5	605.6	606.7	607.8	608.9	609.7
127.5°	634.9	637.2	639.5	641.7	644.0	646.2	647.9	649.5	651.1	652.7	653.6
130°	664.0	666.1	667.9	669.6	671.4	673.1	674.9	676.6	678.4	680.1	680.9
132.5°	691.1	693.0	694.8	696.5	698.3	700.0	701.5	703.0	704.5	706.0	706.7
135°	729.8	731.8	733.2	734.6	736.1	737.5	739.1	740.7	742.3	743.9	744.5
137.5°	764.4	766.1	767.7	769.3	770.9	772.6	774.1	775.7	777.2	778.8	779.3
140°	786.9	788.5	790.2	792.0	793.7	795.5	796.9	798.3	799.7	801.2	801.5
142.5°	807.0	808.6	810.6	812.6	814.6	816.6	817.9	819.2	820.5	821.8	822.1
145°	834.2	835.4	838.1	840.8	843.5	846.2	847.4	848.5	849.6	850.7	850.8
147.5°	860.6	861.6	864.3	866.9	869.6	872.3	873.1	873.9	874.8	875.6	875.7
150°	876.8	877.6	880.1	882.6	885.2	887.7	888.7	889.6	890.6	891.5	891.6
152.5°	891.8	892.4	894.8	897.2	899.6	902.0	903.0	903.9	904.9	905.9	905.8
155°	913.5	913.7	915.6	917.5	919.4	921.3	922.3	923.3	924.2	925.2	925.0
157.5°	932.0	932.0	933.4	934.7	936.0	937.4	938.5	939.5	940.6	941.7	941.6
160°	943.3	943.3	944.2	945.2	946.1	947.1	948.1	949.0	950.0	950.9	950.8
162.5°	952.4	952.4	953.2	954.0	954.9	955.7	956.8	957.8	958.9	960.0	959.9
165°	964.7	964.5	965.0	965.5	965.9	966.4	967.5	968.6	969.8	970.9	970.9
167.5°	973.9	973.6	974.1	974.5	975.0	975.4	976.5	977.7	978.8	979.9	979.7
170°	979.1	978.7	979.1	979.4	979.7	980.0	981.1	982.2	983.3	984.5	984.3
172.5°	982.5	982.2	982.5	982.8	983.1	983.4	984.6	985.7	986.8	987.9	987.7
175°	986.3	985.9	986.2	986.5	986.8	987.2	988.3	989.4	990.5	991.6	991.4
177.5°	987.9	987.5	987.6	987.8	987.9	988.0	988.9	989.8	990.7	991.6	991.5
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



TEST NUMBER: P331348

CATALOG NUMBER: S122DIP-S675D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3
2.5°	1274.0	1273.1	1273.1	1269.5	1273.1	1273.1	1274.0	1278.0	1279.3	1280.1	1278.5
5°	1181.8	1180.2	1177.7	1180.2	1177.7	1180.2	1181.8	1188.9	1192.5	1196.1	1199.1
7.5°	1090.6	1084.5	1083.6	1077.5	1083.6	1084.5	1090.6	1094.0	1101.1	1109.2	1116.5
10°	1024.0	1019.9	1019.4	1009.7	1019.4	1019.9	1024.0	1032.7	1039.9	1049.6	1059.8
12.5°	973.4	963.6	965.5	959.9	965.5	963.6	973.4	973.5	981.9	987.9	1003.8
15°	885.7	885.7	883.6	875.0	883.6	885.7	885.7	899.5	902.0	911.7	925.5
17.5°	822.7	821.7	816.8	819.2	816.8	821.7	822.7	832.8	834.5	847.5	858.8
20°	785.1	782.1	775.9	775.9	775.9	782.1	785.1	790.7	797.4	805.0	814.7
22.5°	749.6	749.4	742.9	744.9	742.9	749.4	749.6	754.8	761.0	769.5	777.6
25°	708.0	704.0	700.9	702.4	700.9	704.0	708.0	708.6	715.7	721.3	726.4
27.5°	668.6	666.4	666.2	662.0	666.2	666.4	668.6	670.0	674.0	677.3	682.1
30°	645.8	640.7	641.7	639.1	641.7	640.7	645.8	646.3	648.3	650.4	656.0
32.5°	619.6	617.8	616.8	614.6	616.8	617.8	619.6	620.5	624.6	626.7	631.1
35°	584.0	584.5	582.0	583.0	582.0	584.5	584.0	585.0	585.5	587.6	591.6
37.5°	552.9	554.5	553.3	553.6	553.3	554.5	552.9	553.4	553.9	554.2	555.4
40°	532.4	532.4	532.4	534.0	532.4	532.4	532.4	530.9	531.4	530.9	530.9
42.5°	512.8	512.0	511.2	511.1	511.2	512.0	512.8	509.3	511.0	509.3	508.4
45°	479.3	480.9	481.4	478.8	481.4	480.9	479.3	478.3	476.8	476.3	475.8
47.5°	449.0	449.2	449.0	451.3	449.0	449.2	449.0	447.7	445.3	444.4	442.0
50°	427.8	426.8	427.8	426.8	427.8	426.8	427.8	425.2	423.7	421.1	419.1
52.5°	405.3	405.5	404.9	404.7	404.9	405.5	405.3	402.0	401.2	400.3	397.1
55°	370.1	371.1	370.6	370.6	370.6	371.1	370.1	368.1	367.5	364.5	361.4
57.5°	333.7	334.6	335.3	333.0	335.3	334.6	333.7	333.3	333.0	329.8	326.5
60°	308.3	310.9	310.4	309.4	310.4	310.9	308.3	308.8	307.3	305.3	303.2
62.5°	285.1	286.0	285.9	285.7	285.9	286.0	285.1	282.7	282.0	279.9	277.9
65°	249.1	250.1	248.6	250.1	248.6	250.1	249.1	247.6	244.0	243.0	240.9
67.5°	210.4	210.7	211.9	212.6	211.9	210.7	210.4	211.0	208.7	206.7	206.3
70°	186.3	185.8	187.3	188.9	187.3	185.8	186.3	185.3	183.8	182.2	180.2
72.5°	161.0	162.1	161.6	162.7	161.6	162.1	161.0	161.2	159.7	157.7	155.7
75°	124.0	125.6	125.1	126.6	125.1	125.6	124.0	125.1	124.0	122.0	120.0
77.5°	89.6	89.8	89.6	90.5	89.6	89.8	89.6	90.5	89.3	90.0	87.7
80°	68.4	67.4	66.4	68.4	66.4	67.4	68.4	68.4	66.9	68.4	66.9
82.5°	47.6	48.2	47.2	47.2	47.2	48.2	47.6	48.8	48.1	48.8	47.3
85°	22.0	21.4	20.4	20.4	20.4	21.4	22.0	22.0	23.5	22.5	22.5
87.5°	7.8	7.4	7.5	7.1	7.5	7.4	7.8	7.7	7.6	8.2	8.1
90°	18.4	18.7	19.0	19.3	19.0	18.7	18.4	18.0	17.5	16.7	15.9
92.5°	18.7	18.9	19.1	19.3	19.1	18.9	18.7	18.6	18.2	17.8	17.4
95°	31.2	31.1	30.9	30.8	30.9	31.1	31.2	31.4	31.1	30.3	29.5
97.5°	40.5	40.7	40.9	41.1	40.9	40.7	40.5	40.3	39.9	39.2	38.6
100°	47.0	47.3	47.6	47.9	47.6	47.3	47.0	46.7	45.9	44.6	43.3
102.5°	50.0	50.5	50.9	51.4	50.9	50.5	50.0	49.6	48.5	46.9	45.2
105°	52.5	53.1	53.7	54.4	53.7	53.1	52.5	51.8	50.6	48.9	47.1
107.5°	54.0	54.7	55.3	55.9	55.3	54.7	54.0	53.4	54.0	55.7	57.5
110°	54.6	55.2	55.9	56.5	55.9	55.2	54.6	54.0	61.6	77.5	93.4



TEST NUMBER: P331348

CATALOG NUMBER: S122DIP-S675D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	55.6	56.1	56.6	57.1	56.6	56.1	55.6	55.0	83.8	141.8	199.8
115°	93.0	81.5	70.1	58.7	70.1	81.5	93.0	104.4	147.0	220.6	294.2
117.5°	352.3	314.7	277.1	239.5	277.1	314.7	352.3	389.9	417.6	435.4	453.3
120°	500.7	479.3	457.8	436.4	457.8	479.3	500.7	522.2	532.0	530.1	528.2
122.5°	557.0	552.8	548.7	544.5	548.7	552.8	557.0	561.2	562.7	561.5	560.4
125°	610.2	610.7	611.1	611.6	611.1	610.7	610.2	609.7	608.9	607.8	606.7
127.5°	653.7	653.8	653.9	654.0	653.9	653.8	653.7	653.6	652.7	651.1	649.5
130°	680.8	680.6	680.4	680.3	680.4	680.6	680.8	680.9	680.1	678.4	676.6
132.5°	706.5	706.4	706.2	706.0	706.2	706.4	706.5	706.7	706.0	704.5	703.0
135°	744.2	743.9	743.5	743.2	743.5	743.9	744.2	744.5	743.9	742.3	740.7
137.5°	778.8	778.2	777.7	777.1	777.7	778.2	778.8	779.3	778.8	777.2	775.7
140°	800.7	799.9	799.1	798.3	799.1	799.9	800.7	801.5	801.2	799.7	798.3
142.5°	821.3	820.5	819.7	818.9	819.7	820.5	821.3	822.1	821.8	820.5	819.2
145°	850.1	849.3	848.5	847.7	848.5	849.3	850.1	850.8	850.7	849.6	848.5
147.5°	875.0	874.3	873.7	873.0	873.7	874.3	875.0	875.7	875.6	874.8	873.9
150°	890.8	890.0	889.2	888.4	889.2	890.0	890.8	891.6	891.5	890.6	889.6
152.5°	904.8	903.7	902.7	901.6	902.7	903.7	904.8	905.8	905.9	904.9	903.9
155°	923.7	922.5	921.2	919.9	921.2	922.5	923.7	925.0	925.2	924.2	923.3
157.5°	940.4	939.1	937.9	936.7	937.9	939.1	940.4	941.6	941.7	940.6	939.5
160°	949.7	948.6	947.5	946.4	947.5	948.6	949.7	950.8	950.9	950.0	949.0
162.5°	958.5	957.1	955.8	954.4	955.8	957.1	958.5	959.9	960.0	958.9	957.8
165°	969.8	968.6	967.5	966.4	967.5	968.6	969.8	970.9	970.9	969.8	968.6
167.5°	978.3	976.9	975.4	974.0	975.4	976.9	978.3	979.7	979.9	978.8	977.7
170°	982.9	981.4	980.0	978.6	980.0	981.4	982.9	984.3	984.5	983.3	982.2
172.5°	986.3	984.9	983.4	982.0	983.4	984.9	986.3	987.7	987.9	986.8	985.7
175°	989.8	988.2	986.6	985.0	986.6	988.2	989.8	991.4	991.6	990.5	989.4
177.5°	990.3	989.2	988.0	986.9	988.0	989.2	990.3	991.5	991.6	990.7	989.8
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



TEST NUMBER: P331348

CATALOG NUMBER: S122DIP-S675D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3
2.5°	1276.4	1280.9	1287.8	1295.2	1299.7	1308.3	1310.7	1314.8	1318.5	1327.1	1336.0
5°	1202.7	1209.8	1226.7	1235.9	1248.6	1263.4	1273.1	1283.4	1294.6	1314.0	1331.8
7.5°	1123.7	1135.6	1156.5	1173.7	1191.9	1213.1	1228.4	1248.6	1265.4	1292.7	1318.9
10°	1071.0	1087.8	1106.7	1127.1	1152.7	1175.1	1196.6	1222.1	1242.5	1275.2	1305.8
12.5°	1023.6	1026.2	1053.2	1075.7	1110.6	1138.4	1163.1	1196.0	1216.0	1254.8	1287.0
15°	940.8	956.1	980.6	998.5	1039.9	1075.1	1109.8	1144.0	1167.0	1214.9	1257.3
17.5°	871.1	885.2	910.3	939.6	969.3	1004.3	1049.2	1085.3	1116.5	1171.4	1221.5
20°	827.0	844.3	869.9	900.0	926.0	964.3	1003.1	1044.4	1078.1	1139.9	1198.6
22.5°	789.4	803.1	823.7	853.4	881.9	916.9	959.4	1004.4	1039.8	1106.4	1165.9
25°	736.6	747.9	761.1	785.6	817.8	856.1	889.3	938.8	990.3	1052.6	1124.6
27.5°	689.0	697.0	708.8	730.3	755.2	791.0	827.9	874.9	926.7	994.3	1070.3
30°	660.1	665.2	676.9	694.8	719.3	747.3	784.6	829.5	882.6	951.0	1026.6
32.5°	634.7	639.4	647.1	664.1	685.4	709.4	743.0	787.9	838.5	905.7	989.4
35°	596.8	600.3	607.0	620.7	632.5	656.0	684.0	724.9	772.4	836.7	923.5
37.5°	558.9	563.8	567.9	573.7	588.8	604.2	628.6	663.1	709.7	774.6	857.3
40°	534.0	538.0	544.2	546.7	559.0	572.8	592.7	624.3	671.3	730.5	811.2
42.5°	508.6	512.7	516.4	519.4	530.0	542.1	560.0	587.2	628.8	686.4	766.2
45°	474.2	474.7	478.3	483.9	489.0	497.7	510.5	534.0	566.1	620.2	692.7
47.5°	439.3	439.9	440.5	443.0	448.6	456.5	464.9	484.0	512.8	556.0	626.6
50°	416.0	415.0	416.0	418.1	421.7	428.3	438.0	451.8	475.3	515.6	580.4
52.5°	393.6	393.4	392.8	393.6	396.3	400.9	407.8	419.5	440.5	477.6	534.7
55°	359.4	356.8	357.3	355.3	359.9	360.9	366.0	375.7	394.1	419.6	473.2
57.5°	322.9	320.8	318.5	317.9	317.5	320.3	324.4	332.0	346.1	368.5	412.0
60°	299.7	297.1	294.0	293.0	293.0	294.5	296.6	302.2	315.5	335.4	371.1
62.5°	276.0	273.0	271.2	268.5	267.7	269.2	271.3	275.3	284.8	303.5	334.4
65°	239.4	235.8	233.3	232.8	231.8	230.2	231.2	235.3	243.0	257.8	282.3
67.5°	202.8	199.4	198.8	195.8	194.4	194.6	194.4	197.9	202.5	215.2	233.5
70°	178.7	176.1	175.1	172.5	171.5	170.5	169.5	172.5	177.1	187.9	203.7
72.5°	154.2	152.0	149.8	147.6	147.8	146.8	146.6	148.4	152.2	162.1	174.3
75°	118.9	119.5	116.9	114.3	113.8	112.8	112.8	114.3	115.9	123.5	133.2
77.5°	86.3	85.9	83.7	82.9	82.4	81.3	82.4	83.4	84.2	89.3	96.5
80°	65.9	65.9	63.3	63.3	62.8	61.3	62.8	61.8	63.8	68.9	74.0
82.5°	47.1	46.2	46.1	45.3	45.2	44.1	44.8	45.8	46.7	50.1	53.2
85°	23.0	23.0	22.5	22.0	22.5	22.0	22.5	23.0	23.5	25.0	27.6
87.5°	7.9	8.2	8.3	8.5	8.2	8.4	8.5	8.5	9.0	9.1	9.1
90°	15.1	14.3	13.0	11.8	10.5	9.2	7.7	6.0	4.2	2.5	0.7
92.5°	17.0	16.6	16.0	15.3	14.7	14.1	13.8	14.0	14.1	14.3	14.4
95°	28.7	27.9	26.8	25.7	24.6	23.4	25.5	30.8	36.0	41.3	46.5
97.5°	38.0	37.3	34.8	32.2	29.6	27.0	33.1	47.9	62.7	77.5	92.3
100°	42.0	40.8	38.1	35.4	32.7	30.0	39.5	61.3	83.1	104.8	126.6
102.5°	43.6	41.9	64.5	87.1	109.7	132.3	145.9	150.6	155.2	159.8	164.4
105°	45.4	43.6	87.0	130.4	173.8	217.2	236.5	231.8	227.0	222.2	217.5
107.5°	59.3	61.1	113.1	165.2	217.2	269.3	293.4	289.5	285.7	281.8	278.0
110°	109.3	125.2	171.1	217.1	263.0	308.9	330.2	326.9	323.6	320.2	316.9



TEST NUMBER: P331348

CATALOG NUMBER: S122DIP-S675D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	257.8	315.7	327.1	338.4	349.8	361.1	365.3	362.4	359.4	356.5	353.5
115°	367.8	441.4	437.4	433.4	429.4	425.5	422.1	419.4	416.7	414.0	411.3
117.5°	471.1	488.9	486.1	483.4	480.7	477.9	475.0	472.0	469.0	466.0	463.0
120°	526.2	524.3	521.5	518.6	515.8	512.9	510.3	507.9	505.5	503.1	500.7
122.5°	559.2	558.1	555.0	551.9	548.8	545.6	542.8	540.3	537.8	535.3	532.8
125°	605.6	604.5	601.4	598.4	595.4	592.4	589.8	587.8	585.7	583.6	581.6
127.5°	647.9	646.2	644.0	641.7	639.5	637.2	634.9	632.6	630.4	628.1	625.8
130°	674.9	673.1	671.4	669.6	667.9	666.1	664.0	661.4	658.9	656.4	653.8
132.5°	701.5	700.0	698.3	696.5	694.8	693.0	691.1	688.9	686.8	684.6	682.4
135°	739.1	737.5	736.1	734.6	733.2	731.8	729.8	727.3	724.7	722.2	719.6
137.5°	774.1	772.6	770.9	769.3	767.7	766.1	764.4	762.6	760.8	759.0	757.3
140°	796.9	795.5	793.7	792.0	790.2	788.5	786.9	785.7	784.4	783.1	781.9
142.5°	817.9	816.6	814.6	812.6	810.6	808.6	807.0	805.9	804.8	803.6	802.5
145°	847.4	846.2	843.5	840.8	838.1	835.4	834.2	834.3	834.5	834.6	834.8
147.5°	873.1	872.3	869.6	866.9	864.3	861.6	860.6	861.2	861.8	862.4	863.0
150°	888.7	887.7	885.2	882.6	880.1	877.6	876.8	878.0	879.1	880.2	881.3
152.5°	903.0	902.0	899.6	897.2	894.8	892.4	891.8	893.0	894.3	895.5	896.7
155°	922.3	921.3	919.4	917.5	915.6	913.7	913.5	914.9	916.3	917.8	919.2
157.5°	938.5	937.4	936.0	934.7	933.4	932.0	932.0	933.2	934.4	935.6	936.8
160°	948.1	947.1	946.1	945.2	944.2	943.3	943.3	944.2	945.2	946.1	947.1
162.5°	956.8	955.7	954.9	954.0	953.2	952.4	952.4	953.4	954.4	955.3	956.3
165°	967.5	966.4	965.9	965.5	965.0	964.5	964.7	965.7	966.7	967.6	968.6
167.5°	976.5	975.4	975.0	974.5	974.1	973.6	973.9	974.9	975.8	976.8	977.7
170°	981.1	980.0	979.7	979.4	979.1	978.7	979.1	980.0	981.0	981.9	982.9
172.5°	984.6	983.4	983.1	982.8	982.5	982.2	982.5	983.4	984.4	985.3	986.3
175°	988.3	987.2	986.8	986.5	986.2	985.9	986.3	987.4	988.5	989.6	990.7
177.5°	988.9	988.0	987.9	987.8	987.6	987.5	987.9	988.8	989.7	990.6	991.5
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



TEST NUMBER: P331348

CATALOG NUMBER: S122DIP-S675D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3
2.5°	1335.2	1337.3	1343.8	1350.3	1357.7	1359.7	1363.0	1360.1	1359.3	1367.1	1372.8
5°	1339.0	1348.2	1366.1	1382.4	1396.2	1405.9	1416.1	1420.2	1427.8	1438.5	1451.8
7.5°	1334.7	1352.6	1380.7	1404.4	1430.4	1449.1	1463.7	1476.1	1491.2	1511.5	1533.7
10°	1329.8	1353.8	1388.0	1417.1	1448.7	1472.7	1492.7	1512.0	1534.5	1562.6	1591.7
12.5°	1320.8	1349.3	1392.1	1426.5	1467.1	1490.7	1517.6	1559.4	1583.5	1622.6	1663.6
15°	1302.8	1334.4	1394.1	1436.5	1482.4	1527.4	1576.9	1616.7	1656.5	1679.5	1737.2
17.5°	1275.9	1322.4	1388.5	1437.9	1496.3	1567.1	1622.7	1667.8	1713.8	1751.1	1780.0
20°	1254.3	1304.8	1380.3	1439.6	1509.0	1585.0	1648.9	1694.8	1734.6	1765.8	1783.6
22.5°	1226.9	1290.5	1364.0	1433.4	1522.1	1597.3	1664.4	1700.5	1733.8	1749.0	1755.9
25°	1183.8	1260.4	1343.6	1428.3	1528.4	1608.0	1669.3	1691.2	1700.9	1686.1	1661.6
27.5°	1137.4	1222.7	1320.0	1418.7	1524.5	1601.1	1645.0	1641.5	1625.1	1577.2	1538.9
30°	1102.6	1196.6	1301.2	1408.9	1515.1	1589.6	1615.2	1589.6	1552.4	1498.8	1444.2
32.5°	1066.3	1163.5	1281.2	1395.0	1498.0	1563.5	1569.0	1525.1	1467.4	1406.5	1338.4
35°	1011.3	1116.4	1243.5	1364.0	1461.5	1502.9	1478.4	1400.8	1332.4	1249.2	1156.2
37.5°	949.1	1065.2	1192.7	1318.6	1406.9	1417.7	1356.9	1275.2	1178.7	1080.9	971.6
40°	902.5	1025.6	1156.8	1283.9	1362.0	1350.7	1273.1	1183.3	1068.4	949.0	847.4
42.5°	860.9	983.9	1117.5	1242.2	1304.8	1274.0	1183.3	1073.0	949.6	837.1	744.1
45°	788.7	915.3	1052.1	1172.6	1208.3	1152.7	1032.7	910.2	788.7	694.8	621.3
47.5°	718.7	843.8	979.3	1085.2	1097.8	1023.0	891.9	765.8	661.4	584.9	533.0
50°	667.2	792.8	927.0	1021.5	1017.4	927.0	792.3	672.3	585.0	523.2	488.5
52.5°	621.1	739.7	868.6	954.5	932.9	834.3	705.7	599.2	527.4	479.1	447.7
55°	549.3	659.0	781.5	850.5	810.6	701.4	592.7	506.9	453.8	417.6	393.1
57.5°	478.0	580.9	685.8	728.3	684.3	583.4	492.7	430.5	390.6	363.8	347.8
60°	433.9	523.8	617.2	653.9	601.3	511.5	440.0	384.4	352.2	330.3	316.0
62.5°	389.8	470.3	558.4	578.4	530.3	454.3	391.0	344.8	318.3	298.8	285.4
65°	329.8	395.6	462.5	475.8	431.4	372.7	322.6	292.5	269.0	254.7	244.0
67.5°	270.5	323.3	370.7	381.4	342.5	301.8	265.7	239.4	223.5	211.6	202.6
70°	235.3	277.2	316.0	324.7	293.5	257.3	229.7	208.8	194.5	184.3	175.6
72.5°	198.2	233.1	265.3	271.2	245.7	218.1	195.4	179.0	166.3	159.8	151.5
75°	151.6	172.0	197.0	198.6	181.7	164.9	147.5	136.8	130.2	122.0	117.9
77.5°	107.0	123.0	137.3	140.1	130.1	118.6	108.9	100.5	94.8	91.1	87.3
80°	81.7	94.4	100.6	104.1	97.0	88.8	83.2	77.6	74.0	71.5	68.9
82.5°	58.4	66.3	72.0	74.7	70.9	66.0	60.3	57.2	54.4	52.3	51.4
85°	29.6	33.2	36.8	37.8	36.8	34.7	31.6	31.6	30.1	29.6	29.6
87.5°	10.7	12.7	13.0	14.6	14.1	14.3	14.6	14.5	14.3	14.0	13.8
90°	2.5	4.2	6.0	7.7	9.2	10.5	11.8	13.0	14.3	15.1	15.9
92.5°	14.3	14.1	14.0	13.8	14.1	14.7	15.3	16.0	16.6	17.0	17.4
95°	41.3	36.0	30.8	25.5	23.4	24.6	25.7	26.8	27.9	28.7	29.5
97.5°	77.5	62.7	47.9	33.1	27.0	29.6	32.2	34.8	37.3	38.0	38.6
100°	104.8	83.1	61.3	39.5	30.0	32.7	35.4	38.1	40.8	42.0	43.3
102.5°	159.8	155.2	150.6	145.9	132.3	109.7	87.1	64.5	41.9	43.6	45.2
105°	222.2	227.0	231.8	236.5	217.2	173.8	130.4	87.0	43.6	45.4	47.1
107.5°	281.8	285.7	289.5	293.4	269.3	217.2	165.2	113.1	61.1	59.3	57.5
110°	320.2	323.6	326.9	330.2	308.9	263.0	217.1	171.1	125.2	109.3	93.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	356.5	359.4	362.4	365.3	361.1	349.8	338.4	327.1	315.7	257.8	199.8
115°	414.0	416.7	419.4	422.1	425.5	429.4	433.4	437.4	441.4	367.8	294.2
117.5°	466.0	469.0	472.0	475.0	477.9	480.7	483.4	486.1	488.9	471.1	453.3
120°	503.1	505.5	507.9	510.3	512.9	515.8	518.6	521.5	524.3	526.2	528.2
122.5°	535.3	537.8	540.3	542.8	545.6	548.8	551.9	555.0	558.1	559.2	560.4
125°	583.6	585.7	587.8	589.8	592.4	595.4	598.4	601.4	604.5	605.6	606.7
127.5°	628.1	630.4	632.6	634.9	637.2	639.5	641.7	644.0	646.2	647.9	649.5
130°	656.4	658.9	661.4	664.0	666.1	667.9	669.6	671.4	673.1	674.9	676.6
132.5°	684.6	686.8	688.9	691.1	693.0	694.8	696.5	698.3	700.0	701.5	703.0
135°	722.2	724.7	727.3	729.8	731.8	733.2	734.6	736.1	737.5	739.1	740.7
137.5°	759.0	760.8	762.6	764.4	766.1	767.7	769.3	770.9	772.6	774.1	775.7
140°	783.1	784.4	785.7	786.9	788.5	790.2	792.0	793.7	795.5	796.9	798.3
142.5°	803.6	804.8	805.9	807.0	808.6	810.6	812.6	814.6	816.6	817.9	819.2
145°	834.6	834.5	834.3	834.2	835.4	838.1	840.8	843.5	846.2	847.4	848.5
147.5°	862.4	861.8	861.2	860.6	861.6	864.3	866.9	869.6	872.3	873.1	873.9
150°	880.2	879.1	878.0	876.8	877.6	880.1	882.6	885.2	887.7	888.7	889.6
152.5°	895.5	894.3	893.0	891.8	892.4	894.8	897.2	899.6	902.0	903.0	903.9
155°	917.8	916.3	914.9	913.5	913.7	915.6	917.5	919.4	921.3	922.3	923.3
157.5°	935.6	934.4	933.2	932.0	932.0	933.4	934.7	936.0	937.4	938.5	939.5
160°	946.1	945.2	944.2	943.3	943.3	944.2	945.2	946.1	947.1	948.1	949.0
162.5°	955.3	954.4	953.4	952.4	952.4	953.2	954.0	954.9	955.7	956.8	957.8
165°	967.6	966.7	965.7	964.7	964.5	965.0	965.5	965.9	966.4	967.5	968.6
167.5°	976.8	975.8	974.9	973.9	973.6	974.1	974.5	975.0	975.4	976.5	977.7
170°	981.9	981.0	980.0	979.1	978.7	979.1	979.4	979.7	980.0	981.1	982.2
172.5°	985.3	984.4	983.4	982.5	982.2	982.5	982.8	983.1	983.4	984.6	985.7
175°	989.6	988.5	987.4	986.3	985.9	986.2	986.5	986.8	987.2	988.3	989.4
177.5°	990.6	989.7	988.8	987.9	987.5	987.6	987.8	987.9	988.0	988.9	989.8
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3
2.5°	1377.7	1383.4	1383.4	1384.2	1390.8	1389.9	1389.5
5°	1466.1	1474.8	1475.8	1485.0	1491.1	1489.1	1483.5
7.5°	1549.5	1565.7	1577.9	1584.7	1592.8	1597.8	1595.6
10°	1615.7	1639.2	1653.5	1663.2	1674.9	1683.6	1680.5
12.5°	1675.7	1703.7	1723.3	1739.9	1741.5	1752.6	1745.0
15°	1769.3	1798.9	1802.0	1814.3	1824.0	1822.9	1823.4
17.5°	1800.3	1809.8	1811.7	1812.0	1812.1	1808.5	1800.8
20°	1789.2	1785.7	1777.0	1770.4	1758.6	1757.1	1746.9
22.5°	1737.0	1725.6	1703.9	1689.5	1671.2	1666.4	1663.6
25°	1634.1	1609.0	1574.3	1541.1	1532.0	1514.1	1519.2
27.5°	1492.9	1453.9	1416.3	1389.3	1364.9	1338.2	1345.8
30°	1393.6	1349.7	1296.6	1255.8	1229.8	1204.2	1199.6
32.5°	1275.2	1210.9	1151.6	1115.7	1075.8	1059.7	1042.0
35°	1071.0	1008.2	949.5	899.0	869.9	847.4	827.0
37.5°	887.3	815.0	767.7	726.7	705.7	692.8	696.1
40°	773.4	710.1	675.4	644.2	624.8	615.6	617.7
42.5°	681.1	633.7	605.1	583.8	570.1	565.0	563.8
45°	576.3	549.8	526.3	514.1	507.4	501.8	498.2
47.5°	504.9	483.2	470.0	462.7	456.9	451.2	451.1
50°	462.0	447.7	438.5	430.8	426.3	422.2	425.7
52.5°	429.3	416.2	407.1	400.2	398.5	394.8	394.7
55°	380.8	370.6	364.0	357.8	354.8	352.7	350.2
57.5°	336.7	327.0	320.9	317.0	311.2	309.1	308.3
60°	305.3	297.6	291.5	286.4	283.8	279.7	279.7
62.5°	276.3	268.6	262.9	259.0	254.8	253.2	253.6
65°	234.3	228.2	222.6	218.5	217.5	214.4	215.4
67.5°	195.7	191.6	185.7	183.5	181.5	179.9	178.7
70°	170.0	165.9	162.8	159.8	158.2	158.2	158.2
72.5°	148.3	143.4	141.6	137.7	138.6	137.0	135.4
75°	114.9	111.8	110.3	108.7	106.2	106.2	106.2
77.5°	84.5	83.6	81.8	80.1	79.5	79.0	79.2
80°	65.3	64.8	63.8	63.8	62.8	62.3	61.3
82.5°	50.2	48.9	48.3	47.9	47.7	47.6	47.4
85°	28.6	27.6	27.6	28.1	27.1	27.1	27.6
87.5°	14.4	14.5	14.2	14.3	14.8	14.4	14.5
90°	16.7	17.5	18.0	18.4	18.7	19.0	19.3
92.5°	17.8	18.2	18.6	18.7	18.9	19.1	19.3
95°	30.3	31.1	31.4	31.2	31.1	30.9	30.8
97.5°	39.2	39.9	40.3	40.5	40.7	40.9	41.1
100°	44.6	45.9	46.7	47.0	47.3	47.6	47.9
102.5°	46.9	48.5	49.6	50.0	50.5	50.9	51.4
105°	48.9	50.6	51.8	52.5	53.1	53.7	54.4
107.5°	55.7	54.0	53.4	54.0	54.7	55.3	55.9
110°	77.5	61.6	54.0	54.6	55.2	55.9	56.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	141.8	83.8	55.0	55.6	56.1	56.6	57.1
115°	220.6	147.0	104.4	93.0	81.5	70.1	58.7
117.5°	435.4	417.6	389.9	352.3	314.7	277.1	239.5
120°	530.1	532.0	522.2	500.7	479.3	457.8	436.4
122.5°	561.5	562.7	561.2	557.0	552.8	548.7	544.5
125°	607.8	608.9	609.7	610.2	610.7	611.1	611.6
127.5°	651.1	652.7	653.6	653.7	653.8	653.9	654.0
130°	678.4	680.1	680.9	680.8	680.6	680.4	680.3
132.5°	704.5	706.0	706.7	706.5	706.4	706.2	706.0
135°	742.3	743.9	744.5	744.2	743.9	743.5	743.2
137.5°	777.2	778.8	779.3	778.8	778.2	777.7	777.1
140°	799.7	801.2	801.5	800.7	799.9	799.1	798.3
142.5°	820.5	821.8	822.1	821.3	820.5	819.7	818.9
145°	849.6	850.7	850.8	850.1	849.3	848.5	847.7
147.5°	874.8	875.6	875.7	875.0	874.3	873.7	873.0
150°	890.6	891.5	891.6	890.8	890.0	889.2	888.4
152.5°	904.9	905.9	905.8	904.8	903.7	902.7	901.6
155°	924.2	925.2	925.0	923.7	922.5	921.2	919.9
157.5°	940.6	941.7	941.6	940.4	939.1	937.9	936.7
160°	950.0	950.9	950.8	949.7	948.6	947.5	946.4
162.5°	958.9	960.0	959.9	958.5	957.1	955.8	954.4
165°	969.8	970.9	970.9	969.8	968.6	967.5	966.4
167.5°	978.8	979.9	979.7	978.3	976.9	975.4	974.0
170°	983.3	984.5	984.3	982.9	981.4	980.0	978.6
172.5°	986.8	987.9	987.7	986.3	984.9	983.4	982.0
175°	990.5	991.6	991.4	989.8	988.2	986.6	985.0
177.5°	990.7	991.6	991.5	990.3	989.2	988.0	986.9
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6

(END OF REPORT)