

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: P331532

Luminaire Tested: **S122DIW-S675D710U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331532
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-S675D710U835-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 710 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5392.7 lumens
Efficiency: N/A
Efficacy: 119.8 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

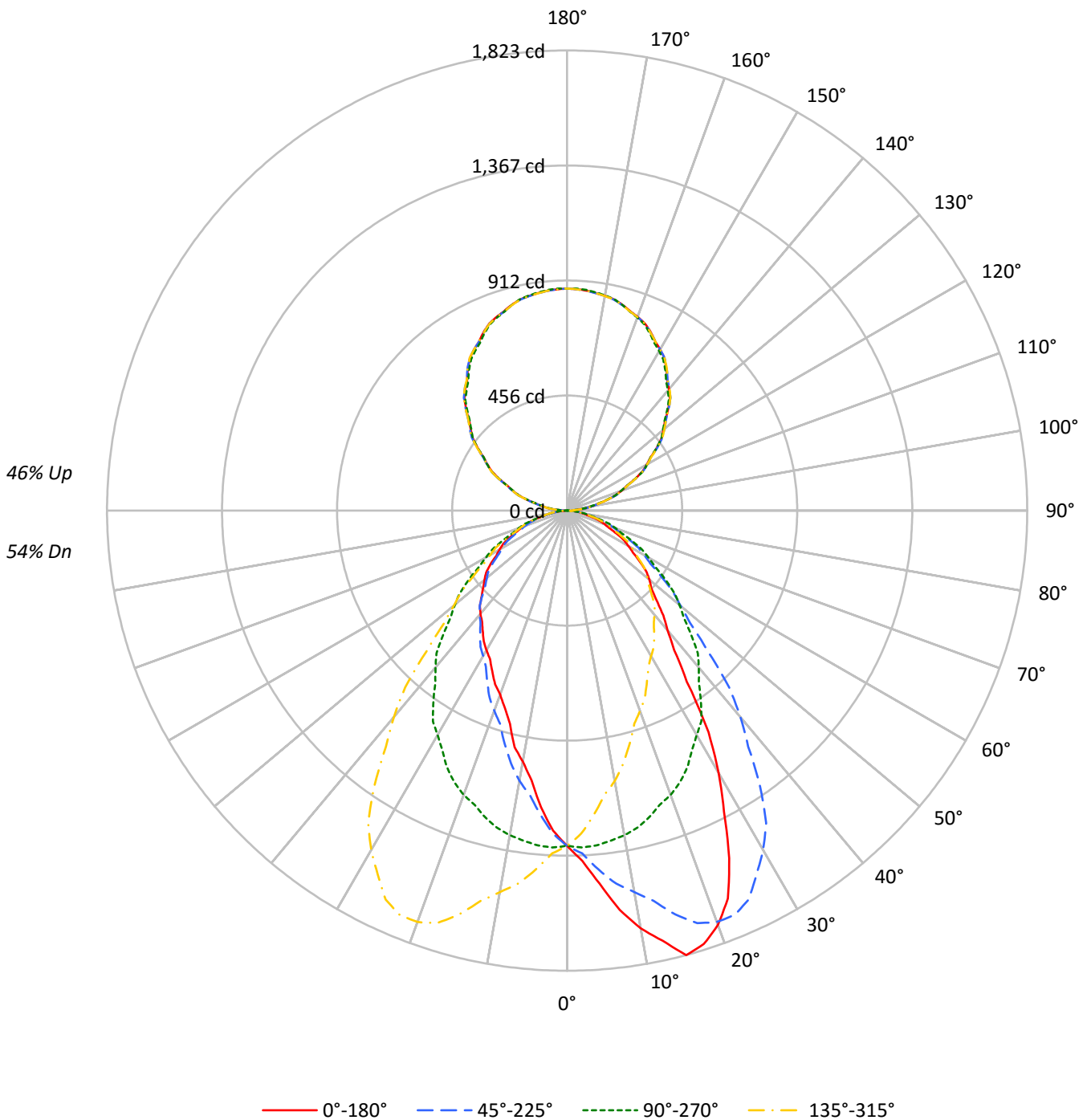
Input Watts (W): 45
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	91	88	92	88	85	82	76	74	72	65	63	61	54	53	52	47
2	91	84	78	73	84	78	73	68	67	63	60	57	55	52	48	46	44	40
3	83	74	67	61	77	69	63	58	60	55	51	51	48	45	43	41	38	35
4	76	66	58	52	71	62	55	50	53	48	44	46	42	39	39	36	34	30
5	70	59	51	45	65	55	48	43	48	43	38	41	37	34	35	32	30	27
6	65	53	45	40	60	50	43	38	44	38	34	38	33	30	32	29	26	24
7	60	48	40	35	56	45	38	33	40	34	30	34	30	27	30	26	24	21
8	56	44	36	31	52	41	34	30	36	31	27	32	27	24	27	24	21	19
9	52	40	33	28	49	38	31	27	33	28	24	29	25	22	25	22	19	17
10	49	37	30	25	46	35	28	24	31	26	22	27	23	20	24	20	18	16

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	2.3
10°-20°	367.8	6.8
20°-30°	533.7	9.9
30°-40°	563.2	10.4
40°-50°	498.7	9.2
50°-60°	398.0	7.4
60°-70°	270.5	5.0
70°-80°	138.7	2.6
80°-90°	37.0	0.7
90°-100°	55.7	1.0
100°-110°	173.1	3.2
110°-120°	295.8	5.5
120°-130°	389.0	7.2
130°-140°	436.6	8.1
140°-150°	428.1	7.9
150°-160°	359.1	6.7
160°-170°	238.2	4.4
170°-180°	83.2	1.5
0°-30°	1028.0	19.1
0°-40°	1591.2	29.5
0°-60°	2487.8	46.1
0°-90°	2933.9	54.4
90°-120°	524.6	9.7
90°-150°	1778.3	33.0
90°-180°	2459.0	45.6
0°-180°	5392.7	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°	25	1	25	1	25	12
95°	46	39	46	39	46	51
105°	165	160	165	160	165	173
115°	297	297	297	297	297	293
125°	433	432	433	432	433	386
135°	565	559	565	559	565	435
145°	686	678	686	678	686	428
155°	781	775	781	775	781	360
165°	844	844	844	844	844	238
175°	875	878	875	878	875	83
180°	879	879	879	879	879	



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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°	15.7	15.6	16.0	15.6	15.5	16.0	16.0	15.7	16.2	16.6	16.3
90°	25.2	25.1	24.9	24.7	24.6	24.7	25.0	25.3	25.6	26.0	22.3
92.5°	24.0	24.0	24.0	23.9	23.9	23.9	23.8	23.7	23.7	23.6	22.7
95°	46.0	46.3	46.7	47.0	47.3	47.5	47.5	47.5	47.5	47.5	47.2
97.5°	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.2
100°	101.7	101.8	102.0	102.2	102.3	102.4	102.4	102.4	102.4	102.4	101.9
102.5°	126.6	126.8	126.9	127.1	127.3	127.3	127.1	127.0	126.9	126.7	126.1
105°	164.7	164.7	164.7	164.7	164.7	164.6	164.2	163.9	163.6	163.3	162.9
107.5°	200.7	201.4	202.2	202.9	203.7	204.0	203.9	203.7	203.6	203.5	203.5
110°	228.6	229.0	229.5	230.0	230.5	230.8	230.8	230.8	230.8	230.8	230.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	255.3	255.6	256.0	256.4	256.7	257.1	257.5	257.9	258.3	258.7	258.8
115°	296.8	297.3	297.8	298.3	298.8	299.1	299.3	299.5	299.6	299.8	300.1
117.5°	336.4	336.9	337.4	337.9	338.4	338.9	339.3	339.7	340.1	340.5	341.4
120°	364.3	364.8	365.3	365.8	366.3	366.6	366.6	366.6	366.6	366.6	367.9
122.5°	391.7	392.0	392.4	392.7	393.1	393.5	393.9	394.3	394.7	395.1	396.0
125°	433.4	433.5	433.7	433.9	434.0	434.3	434.8	435.3	435.8	436.3	436.8
127.5°	471.4	471.9	472.4	472.9	473.5	474.0	474.6	475.2	475.8	476.4	477.0
130°	498.7	499.3	500.0	500.6	501.3	501.8	502.1	502.5	502.8	503.1	503.4
132.5°	524.8	525.3	525.8	526.4	526.9	527.5	528.2	529.0	529.7	530.4	530.4
135°	565.4	565.9	566.4	566.9	567.4	567.8	567.9	568.1	568.2	568.4	568.1
137.5°	602.2	602.9	603.6	604.2	604.9	605.3	605.4	605.5	605.7	605.8	605.4
140°	627.8	628.4	629.1	629.8	630.4	630.7	630.7	630.7	630.7	630.7	629.9
142.5°	650.9	651.6	652.2	652.9	653.6	653.8	653.7	653.6	653.4	653.3	652.7
145°	685.7	686.3	687.0	687.6	688.3	688.5	688.4	688.2	688.0	687.9	686.9
147.5°	716.7	717.3	717.9	718.6	719.2	719.3	718.9	718.6	718.2	717.9	717.2
150°	736.9	737.4	737.8	738.3	738.8	738.8	738.3	737.8	737.4	736.9	736.2
152.5°	755.9	756.5	757.1	757.7	758.4	758.4	757.7	757.1	756.5	755.9	755.1
155°	781.4	781.9	782.4	782.9	783.4	783.2	782.4	781.5	780.7	779.9	779.4
157.5°	803.3	804.1	804.9	805.7	806.5	806.3	805.2	804.1	803.0	801.9	801.6
160°	817.0	817.7	818.3	819.0	819.6	819.5	818.5	817.5	816.5	815.5	815.3
162.5°	828.9	829.7	830.5	831.2	832.0	831.9	830.8	829.6	828.5	827.4	827.2
165°	844.5	845.3	846.1	846.9	847.8	847.6	846.4	845.3	844.1	843.0	843.0
167.5°	857.2	858.1	858.9	859.8	860.6	860.5	859.3	858.2	857.0	855.9	855.9
170°	863.7	864.7	865.7	866.7	867.7	867.6	866.5	865.3	864.2	863.0	863.2
172.5°	869.1	870.1	871.1	872.1	873.0	873.0	871.8	870.7	869.5	868.3	868.5
175°	874.9	875.9	876.9	877.8	878.8	878.8	877.6	876.4	875.3	874.1	874.5
177.5°	877.5	878.3	879.1	879.9	880.7	880.7	879.9	879.1	878.3	877.5	877.8
180°	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3



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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°	16.0	15.3	14.5	14.8	13.2	12.8	10.8	9.1	9.1	9.1	8.7
90°	18.7	15.1	11.5	8.7	6.7	4.7	2.7	0.7	2.7	4.7	6.7
92.5°	21.9	21.0	20.2	19.0	17.6	16.1	14.7	13.2	14.7	16.1	17.6
95°	46.8	46.5	46.2	45.2	43.5	41.9	40.2	38.6	40.2	41.9	43.5
97.5°	78.6	78.0	77.3	76.3	74.8	73.4	71.9	70.5	71.9	73.4	74.8
100°	101.4	100.9	100.4	99.5	98.2	96.9	95.6	94.2	95.6	96.9	98.2
102.5°	125.5	124.9	124.2	123.4	122.3	121.3	120.2	119.2	120.2	121.3	122.3
105°	162.6	162.3	161.9	161.5	161.0	160.5	160.0	159.5	160.0	160.5	161.0
107.5°	203.5	203.5	203.5	203.1	202.4	201.7	200.9	200.2	200.9	201.7	202.4
110°	230.8	230.8	230.8	230.3	229.3	228.3	227.3	226.3	227.3	228.3	229.3



TEST NUMBER: P331532

CATALOG NUMBER: S122DIW-S675D710U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	258.9	259.1	259.2	258.8	257.8	256.8	255.8	254.8	255.8	256.8	257.8
115°	300.4	300.8	301.1	300.8	299.8	298.8	297.8	296.8	297.8	298.8	299.8
117.5°	342.3	343.2	344.1	343.9	342.6	341.3	340.0	338.7	340.0	341.3	342.6
120°	369.2	370.5	371.8	371.8	370.5	369.2	367.9	366.6	367.9	369.2	370.5
122.5°	396.9	397.8	398.8	398.4	396.8	395.3	393.7	392.1	393.7	395.3	396.8
125°	437.3	437.8	438.3	437.8	436.3	434.8	433.4	431.9	433.4	434.8	436.3
127.5°	477.6	478.2	478.8	478.1	476.2	474.4	472.5	470.6	472.5	474.4	476.2
130°	503.8	504.1	504.4	503.5	501.4	499.2	497.1	494.9	497.1	499.2	501.4
132.5°	530.3	530.2	530.2	529.2	527.5	525.8	524.0	522.3	524.0	525.8	527.5
135°	567.8	567.4	567.1	566.0	564.2	562.4	560.6	558.8	560.6	562.4	564.2
137.5°	605.0	604.5	604.1	603.1	601.7	600.2	598.7	597.2	598.7	600.2	601.7
140°	629.1	628.3	627.4	626.3	624.8	623.3	621.8	620.4	621.8	623.3	624.8
142.5°	652.2	651.6	651.1	650.0	648.6	647.1	645.6	644.1	645.6	647.1	648.6
145°	685.9	684.9	683.9	682.9	681.7	680.5	679.4	678.2	679.4	680.5	681.7
147.5°	716.5	715.9	715.2	714.2	712.8	711.4	710.0	708.7	710.0	711.4	712.8
150°	735.5	734.9	734.2	733.4	732.4	731.4	730.4	729.4	730.4	731.4	732.4
152.5°	754.3	753.5	752.7	751.8	750.8	749.8	748.8	747.8	748.8	749.8	750.8
155°	778.9	778.4	777.9	777.4	776.9	776.4	775.9	775.4	775.9	776.4	776.9
157.5°	801.3	801.0	800.7	800.4	800.0	799.7	799.4	799.0	799.4	799.7	800.0
160°	815.2	815.0	814.9	814.6	814.3	813.9	813.6	813.3	813.6	813.9	814.3
162.5°	827.1	826.9	826.7	826.6	826.5	826.5	826.4	826.3	826.4	826.5	826.5
165°	843.0	843.0	843.0	843.1	843.2	843.4	843.5	843.7	843.5	843.4	843.2
167.5°	855.9	856.0	856.0	856.3	856.8	857.3	857.8	858.3	857.8	857.3	856.8
170°	863.3	863.5	863.7	864.0	864.5	865.0	865.5	866.0	865.5	865.0	864.5
172.5°	868.7	868.8	869.0	869.3	869.8	870.3	870.8	871.3	870.8	870.3	869.8
175°	874.8	875.1	875.5	875.9	876.4	876.9	877.4	877.8	877.4	876.9	876.4
177.5°	878.1	878.3	878.6	878.9	879.3	879.7	880.1	880.5	880.1	879.7	879.3
180°	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3



TEST NUMBER: P331532

CATALOG NUMBER: S122DIW-S675D710U835-4F0-1E-UDD-A1

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°	8.7	8.8	9.1	9.9	10.2	10.5	10.0	10.0	9.9	9.0	9.0
90°	8.7	11.5	15.1	18.7	22.3	26.0	25.6	25.3	25.0	24.7	24.6
92.5°	19.0	20.2	21.0	21.9	22.7	23.6	23.7	23.7	23.8	23.9	23.9
95°	45.2	46.2	46.5	46.8	47.2	47.5	47.5	47.5	47.5	47.5	47.3
97.5°	76.3	77.3	78.0	78.6	79.2	79.8	79.8	79.8	79.8	79.8	79.8
100°	99.5	100.4	100.9	101.4	101.9	102.4	102.4	102.4	102.4	102.4	102.3
102.5°	123.4	124.2	124.9	125.5	126.1	126.7	126.9	127.0	127.1	127.3	127.3
105°	161.5	161.9	162.3	162.6	162.9	163.3	163.6	163.9	164.2	164.6	164.7
107.5°	203.1	203.5	203.5	203.5	203.5	203.5	203.6	203.7	203.9	204.0	203.7
110°	230.3	230.8	230.8	230.8	230.8	230.8	230.8	230.8	230.8	230.8	230.5



TEST NUMBER: P331532

CATALOG NUMBER: S122DIW-S675D710U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	258.8	259.2	259.1	258.9	258.8	258.7	258.3	257.9	257.5	257.1	256.7
115°	300.8	301.1	300.8	300.4	300.1	299.8	299.6	299.5	299.3	299.1	298.8
117.5°	343.9	344.1	343.2	342.3	341.4	340.5	340.1	339.7	339.3	338.9	338.4
120°	371.8	371.8	370.5	369.2	367.9	366.6	366.6	366.6	366.6	366.6	366.3
122.5°	398.4	398.8	397.8	396.9	396.0	395.1	394.7	394.3	393.9	393.5	393.1
125°	437.8	438.3	437.8	437.3	436.8	436.3	435.8	435.3	434.8	434.3	434.0
127.5°	478.1	478.8	478.2	477.6	477.0	476.4	475.8	475.2	474.6	474.0	473.5
130°	503.5	504.4	504.1	503.8	503.4	503.1	502.8	502.5	502.1	501.8	501.3
132.5°	529.2	530.2	530.2	530.3	530.4	530.4	529.7	529.0	528.2	527.5	526.9
135°	566.0	567.1	567.4	567.8	568.1	568.4	568.2	568.1	567.9	567.8	567.4
137.5°	603.1	604.1	604.5	605.0	605.4	605.8	605.7	605.5	605.4	605.3	604.9
140°	626.3	627.4	628.3	629.1	629.9	630.7	630.7	630.7	630.7	630.7	630.4
142.5°	650.0	651.1	651.6	652.2	652.7	653.3	653.4	653.6	653.7	653.8	653.6
145°	682.9	683.9	684.9	685.9	686.9	687.9	688.0	688.2	688.4	688.5	688.3
147.5°	714.2	715.2	715.9	716.5	717.2	717.9	718.2	718.6	718.9	719.3	719.2
150°	733.4	734.2	734.9	735.5	736.2	736.9	737.4	737.8	738.3	738.8	738.8
152.5°	751.8	752.7	753.5	754.3	755.1	755.9	756.5	757.1	757.7	758.4	758.4
155°	777.4	777.9	778.4	778.9	779.4	779.9	780.7	781.5	782.4	783.2	783.4
157.5°	800.4	800.7	801.0	801.3	801.6	801.9	803.0	804.1	805.2	806.3	806.5
160°	814.6	814.9	815.0	815.2	815.3	815.5	816.5	817.5	818.5	819.5	819.6
162.5°	826.6	826.7	826.9	827.1	827.2	827.4	828.5	829.6	830.8	831.9	832.0
165°	843.1	843.0	843.0	843.0	843.0	843.0	844.1	845.3	846.4	847.6	847.8
167.5°	856.3	856.0	856.0	855.9	855.9	855.9	857.0	858.2	859.3	860.5	860.6
170°	864.0	863.7	863.5	863.3	863.2	863.0	864.2	865.3	866.5	867.6	867.7
172.5°	869.3	869.0	868.8	868.7	868.5	868.3	869.5	870.7	871.8	873.0	873.0
175°	875.9	875.5	875.1	874.8	874.5	874.1	875.3	876.4	877.6	878.8	878.8
177.5°	878.9	878.6	878.3	878.1	877.8	877.5	878.3	879.1	879.9	880.7	880.7
180°	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3



TEST NUMBER: P331532

CATALOG NUMBER: S122DIW-S675D710U835-4F0-1E-UDD-A1

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°	9.0	8.7	8.7	8.3	8.7	8.7	9.0	9.0	9.0	9.9	10.0
90°	24.7	24.9	25.1	25.2	25.1	24.9	24.7	24.6	24.7	25.0	25.3
92.5°	23.9	24.0	24.0	24.0	24.0	24.0	23.9	23.9	23.9	23.8	23.7
95°	47.0	46.7	46.3	46.0	46.3	46.7	47.0	47.3	47.5	47.5	47.5
97.5°	79.8	79.8	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8
100°	102.2	102.0	101.8	101.7	101.8	102.0	102.2	102.3	102.4	102.4	102.4
102.5°	127.1	126.9	126.8	126.6	126.8	126.9	127.1	127.3	127.3	127.1	127.0
105°	164.7	164.7	164.7	164.7	164.7	164.7	164.7	164.7	164.6	164.2	163.9
107.5°	202.9	202.2	201.4	200.7	201.4	202.2	202.9	203.7	204.0	203.9	203.7
110°	230.0	229.5	229.0	228.6	229.0	229.5	230.0	230.5	230.8	230.8	230.8



TEST NUMBER: P331532

CATALOG NUMBER: S122DIW-S675D710U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	256.4	256.0	255.6	255.3	255.6	256.0	256.4	256.7	257.1	257.5	257.9
115°	298.3	297.8	297.3	296.8	297.3	297.8	298.3	298.8	299.1	299.3	299.5
117.5°	337.9	337.4	336.9	336.4	336.9	337.4	337.9	338.4	338.9	339.3	339.7
120°	365.8	365.3	364.8	364.3	364.8	365.3	365.8	366.3	366.6	366.6	366.6
122.5°	392.7	392.4	392.0	391.7	392.0	392.4	392.7	393.1	393.5	393.9	394.3
125°	433.9	433.7	433.5	433.4	433.5	433.7	433.9	434.0	434.3	434.8	435.3
127.5°	472.9	472.4	471.9	471.4	471.9	472.4	472.9	473.5	474.0	474.6	475.2
130°	500.6	500.0	499.3	498.7	499.3	500.0	500.6	501.3	501.8	502.1	502.5
132.5°	526.4	525.8	525.3	524.8	525.3	525.8	526.4	526.9	527.5	528.2	529.0
135°	566.9	566.4	565.9	565.4	565.9	566.4	566.9	567.4	567.8	567.9	568.1
137.5°	604.2	603.6	602.9	602.2	602.9	603.6	604.2	604.9	605.3	605.4	605.5
140°	629.8	629.1	628.4	627.8	628.4	629.1	629.8	630.4	630.7	630.7	630.7
142.5°	652.9	652.2	651.6	650.9	651.6	652.2	652.9	653.6	653.8	653.7	653.6
145°	687.6	687.0	686.3	685.7	686.3	687.0	687.6	688.3	688.5	688.4	688.2
147.5°	718.6	717.9	717.3	716.7	717.3	717.9	718.6	719.2	719.3	718.9	718.6
150°	738.3	737.8	737.4	736.9	737.4	737.8	738.3	738.8	738.8	738.3	737.8
152.5°	757.7	757.1	756.5	755.9	756.5	757.1	757.7	758.4	758.4	757.7	757.1
155°	782.9	782.4	781.9	781.4	781.9	782.4	782.9	783.4	783.2	782.4	781.5
157.5°	805.7	804.9	804.1	803.3	804.1	804.9	805.7	806.5	806.3	805.2	804.1
160°	819.0	818.3	817.7	817.0	817.7	818.3	819.0	819.6	819.5	818.5	817.5
162.5°	831.2	830.5	829.7	828.9	829.7	830.5	831.2	832.0	831.9	830.8	829.6
165°	846.9	846.1	845.3	844.5	845.3	846.1	846.9	847.8	847.6	846.4	845.3
167.5°	859.8	858.9	858.1	857.2	858.1	858.9	859.8	860.6	860.5	859.3	858.2
170°	866.7	865.7	864.7	863.7	864.7	865.7	866.7	867.7	867.6	866.5	865.3
172.5°	872.1	871.1	870.1	869.1	870.1	871.1	872.1	873.0	873.0	871.8	870.7
175°	877.8	876.9	875.9	874.9	875.9	876.9	877.8	878.8	878.8	877.6	876.4
177.5°	879.9	879.1	878.3	877.5	878.3	879.1	879.9	880.7	880.7	879.9	879.1
180°	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3



TEST NUMBER: P331532

CATALOG NUMBER: S122DIW-S675D710U835-4F0-1E-UDD-A1

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°	10.0	10.5	10.2	9.9	9.1	8.8	8.7	8.7	9.1	9.1	9.1
90°	25.6	26.0	22.3	18.7	15.1	11.5	8.7	6.7	4.7	2.7	0.7
92.5°	23.7	23.6	22.7	21.9	21.0	20.2	19.0	17.6	16.1	14.7	13.2
95°	47.5	47.5	47.2	46.8	46.5	46.2	45.2	43.5	41.9	40.2	38.6
97.5°	79.8	79.8	79.2	78.6	78.0	77.3	76.3	74.8	73.4	71.9	70.5
100°	102.4	102.4	101.9	101.4	100.9	100.4	99.5	98.2	96.9	95.6	94.2
102.5°	126.9	126.7	126.1	125.5	124.9	124.2	123.4	122.3	121.3	120.2	119.2
105°	163.6	163.3	162.9	162.6	162.3	161.9	161.5	161.0	160.5	160.0	159.5
107.5°	203.6	203.5	203.5	203.5	203.5	203.5	203.1	202.4	201.7	200.9	200.2
110°	230.8	230.8	230.8	230.8	230.8	230.8	230.3	229.3	228.3	227.3	226.3



TEST NUMBER: P331532

CATALOG NUMBER: S122DIW-S675D710U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	258.3	258.7	258.8	258.9	259.1	259.2	258.8	257.8	256.8	255.8	254.8
115°	299.6	299.8	300.1	300.4	300.8	301.1	300.8	299.8	298.8	297.8	296.8
117.5°	340.1	340.5	341.4	342.3	343.2	344.1	343.9	342.6	341.3	340.0	338.7
120°	366.6	366.6	367.9	369.2	370.5	371.8	371.8	370.5	369.2	367.9	366.6
122.5°	394.7	395.1	396.0	396.9	397.8	398.8	398.4	396.8	395.3	393.7	392.1
125°	435.8	436.3	436.8	437.3	437.8	438.3	437.8	436.3	434.8	433.4	431.9
127.5°	475.8	476.4	477.0	477.6	478.2	478.8	478.1	476.2	474.4	472.5	470.6
130°	502.8	503.1	503.4	503.8	504.1	504.4	503.5	501.4	499.2	497.1	494.9
132.5°	529.7	530.4	530.4	530.3	530.2	530.2	529.2	527.5	525.8	524.0	522.3
135°	568.2	568.4	568.1	567.8	567.4	567.1	566.0	564.2	562.4	560.6	558.8
137.5°	605.7	605.8	605.4	605.0	604.5	604.1	603.1	601.7	600.2	598.7	597.2
140°	630.7	630.7	629.9	629.1	628.3	627.4	626.3	624.8	623.3	621.8	620.4
142.5°	653.4	653.3	652.7	652.2	651.6	651.1	650.0	648.6	647.1	645.6	644.1
145°	688.0	687.9	686.9	685.9	684.9	683.9	682.9	681.7	680.5	679.4	678.2
147.5°	718.2	717.9	717.2	716.5	715.9	715.2	714.2	712.8	711.4	710.0	708.7
150°	737.4	736.9	736.2	735.5	734.9	734.2	733.4	732.4	731.4	730.4	729.4
152.5°	756.5	755.9	755.1	754.3	753.5	752.7	751.8	750.8	749.8	748.8	747.8
155°	780.7	779.9	779.4	778.9	778.4	777.9	777.4	776.9	776.4	775.9	775.4
157.5°	803.0	801.9	801.6	801.3	801.0	800.7	800.4	800.0	799.7	799.4	799.0
160°	816.5	815.5	815.3	815.2	815.0	814.9	814.6	814.3	813.9	813.6	813.3
162.5°	828.5	827.4	827.2	827.1	826.9	826.7	826.6	826.5	826.5	826.4	826.3
165°	844.1	843.0	843.0	843.0	843.0	843.0	843.1	843.2	843.4	843.5	843.7
167.5°	857.0	855.9	855.9	855.9	856.0	856.0	856.3	856.8	857.3	857.8	858.3
170°	864.2	863.0	863.2	863.3	863.5	863.7	864.0	864.5	865.0	865.5	866.0
172.5°	869.5	868.3	868.5	868.7	868.8	869.0	869.3	869.8	870.3	870.8	871.3
175°	875.3	874.1	874.5	874.8	875.1	875.5	875.9	876.4	876.9	877.4	877.8
177.5°	878.3	877.5	877.8	878.1	878.3	878.6	878.9	879.3	879.7	880.1	880.5
180°	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3



TEST NUMBER: P331532

CATALOG NUMBER: S122DIW-S675D710U835-4F0-1E-UDD-A1

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°	10.8	12.8	13.2	14.8	14.5	15.3	16.0	16.3	16.6	16.2	15.7
90°	2.7	4.7	6.7	8.7	11.5	15.1	18.7	22.3	26.0	25.6	25.3
92.5°	14.7	16.1	17.6	19.0	20.2	21.0	21.9	22.7	23.6	23.7	23.7
95°	40.2	41.9	43.5	45.2	46.2	46.5	46.8	47.2	47.5	47.5	47.5
97.5°	71.9	73.4	74.8	76.3	77.3	78.0	78.6	79.2	79.8	79.8	79.8
100°	95.6	96.9	98.2	99.5	100.4	100.9	101.4	101.9	102.4	102.4	102.4
102.5°	120.2	121.3	122.3	123.4	124.2	124.9	125.5	126.1	126.7	126.9	127.0
105°	160.0	160.5	161.0	161.5	161.9	162.3	162.6	162.9	163.3	163.6	163.9
107.5°	200.9	201.7	202.4	203.1	203.5	203.5	203.5	203.5	203.5	203.6	203.7
110°	227.3	228.3	229.3	230.3	230.8	230.8	230.8	230.8	230.8	230.8	230.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	255.8	256.8	257.8	258.8	259.2	259.1	258.9	258.8	258.7	258.3	257.9
115°	297.8	298.8	299.8	300.8	301.1	300.8	300.4	300.1	299.8	299.6	299.5
117.5°	340.0	341.3	342.6	343.9	344.1	343.2	342.3	341.4	340.5	340.1	339.7
120°	367.9	369.2	370.5	371.8	371.8	370.5	369.2	367.9	366.6	366.6	366.6
122.5°	393.7	395.3	396.8	398.4	398.8	397.8	396.9	396.0	395.1	394.7	394.3
125°	433.4	434.8	436.3	437.8	438.3	437.8	437.3	436.8	436.3	435.8	435.3
127.5°	472.5	474.4	476.2	478.1	478.8	478.2	477.6	477.0	476.4	475.8	475.2
130°	497.1	499.2	501.4	503.5	504.4	504.1	503.8	503.4	503.1	502.8	502.5
132.5°	524.0	525.8	527.5	529.2	530.2	530.2	530.3	530.4	530.4	529.7	529.0
135°	560.6	562.4	564.2	566.0	567.1	567.4	567.8	568.1	568.4	568.2	568.1
137.5°	598.7	600.2	601.7	603.1	604.1	604.5	605.0	605.4	605.8	605.7	605.5
140°	621.8	623.3	624.8	626.3	627.4	628.3	629.1	629.9	630.7	630.7	630.7
142.5°	645.6	647.1	648.6	650.0	651.1	651.6	652.2	652.7	653.3	653.4	653.6
145°	679.4	680.5	681.7	682.9	683.9	684.9	685.9	686.9	687.9	688.0	688.2
147.5°	710.0	711.4	712.8	714.2	715.2	715.9	716.5	717.2	717.9	718.2	718.6
150°	730.4	731.4	732.4	733.4	734.2	734.9	735.5	736.2	736.9	737.4	737.8
152.5°	748.8	749.8	750.8	751.8	752.7	753.5	754.3	755.1	755.9	756.5	757.1
155°	775.9	776.4	776.9	777.4	777.9	778.4	778.9	779.4	779.9	780.7	781.5
157.5°	799.4	799.7	800.0	800.4	800.7	801.0	801.3	801.6	801.9	803.0	804.1
160°	813.6	813.9	814.3	814.6	814.9	815.0	815.2	815.3	815.5	816.5	817.5
162.5°	826.4	826.5	826.5	826.6	826.7	826.9	827.1	827.2	827.4	828.5	829.6
165°	843.5	843.4	843.2	843.1	843.0	843.0	843.0	843.0	843.0	844.1	845.3
167.5°	857.8	857.3	856.8	856.3	856.0	856.0	855.9	855.9	855.9	857.0	858.2
170°	865.5	865.0	864.5	864.0	863.7	863.5	863.3	863.2	863.0	864.2	865.3
172.5°	870.8	870.3	869.8	869.3	869.0	868.8	868.7	868.5	868.3	869.5	870.7
175°	877.4	876.9	876.4	875.9	875.5	875.1	874.8	874.5	874.1	875.3	876.4
177.5°	880.1	879.7	879.3	878.9	878.6	878.3	878.1	877.8	877.5	878.3	879.1
180°	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3



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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°	16.0	16.0	15.5	15.6	16.0	15.6	15.7
90°	25.0	24.7	24.6	24.7	24.9	25.1	25.2
92.5°	23.8	23.9	23.9	23.9	24.0	24.0	24.0
95°	47.5	47.5	47.3	47.0	46.7	46.3	46.0
97.5°	79.8	79.8	79.8	79.8	79.8	79.7	79.7
100°	102.4	102.4	102.3	102.2	102.0	101.8	101.7
102.5°	127.1	127.3	127.3	127.1	126.9	126.8	126.6
105°	164.2	164.6	164.7	164.7	164.7	164.7	164.7
107.5°	203.9	204.0	203.7	202.9	202.2	201.4	200.7
110°	230.8	230.8	230.5	230.0	229.5	229.0	228.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	257.5	257.1	256.7	256.4	256.0	255.6	255.3
115°	299.3	299.1	298.8	298.3	297.8	297.3	296.8
117.5°	339.3	338.9	338.4	337.9	337.4	336.9	336.4
120°	366.6	366.6	366.3	365.8	365.3	364.8	364.3
122.5°	393.9	393.5	393.1	392.7	392.4	392.0	391.7
125°	434.8	434.3	434.0	433.9	433.7	433.5	433.4
127.5°	474.6	474.0	473.5	472.9	472.4	471.9	471.4
130°	502.1	501.8	501.3	500.6	500.0	499.3	498.7
132.5°	528.2	527.5	526.9	526.4	525.8	525.3	524.8
135°	567.9	567.8	567.4	566.9	566.4	565.9	565.4
137.5°	605.4	605.3	604.9	604.2	603.6	602.9	602.2
140°	630.7	630.7	630.4	629.8	629.1	628.4	627.8
142.5°	653.7	653.8	653.6	652.9	652.2	651.6	650.9
145°	688.4	688.5	688.3	687.6	687.0	686.3	685.7
147.5°	718.9	719.3	719.2	718.6	717.9	717.3	716.7
150°	738.3	738.8	738.8	738.3	737.8	737.4	736.9
152.5°	757.7	758.4	758.4	757.7	757.1	756.5	755.9
155°	782.4	783.2	783.4	782.9	782.4	781.9	781.4
157.5°	805.2	806.3	806.5	805.7	804.9	804.1	803.3
160°	818.5	819.5	819.6	819.0	818.3	817.7	817.0
162.5°	830.8	831.9	832.0	831.2	830.5	829.7	828.9
165°	846.4	847.6	847.8	846.9	846.1	845.3	844.5
167.5°	859.3	860.5	860.6	859.8	858.9	858.1	857.2
170°	866.5	867.6	867.7	866.7	865.7	864.7	863.7
172.5°	871.8	873.0	873.0	872.1	871.1	870.1	869.1
175°	877.6	878.8	878.8	877.8	876.9	875.9	874.9
177.5°	879.9	880.7	880.7	879.9	879.1	878.3	877.5
180°	879.3	879.3	879.3	879.3	879.3	879.3	879.3

(END OF REPORT)