

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: P331348-830

Luminaire Tested: **SA2XXDIP-C675D725U830-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331348-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-C675D725U830-4F0-1E-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

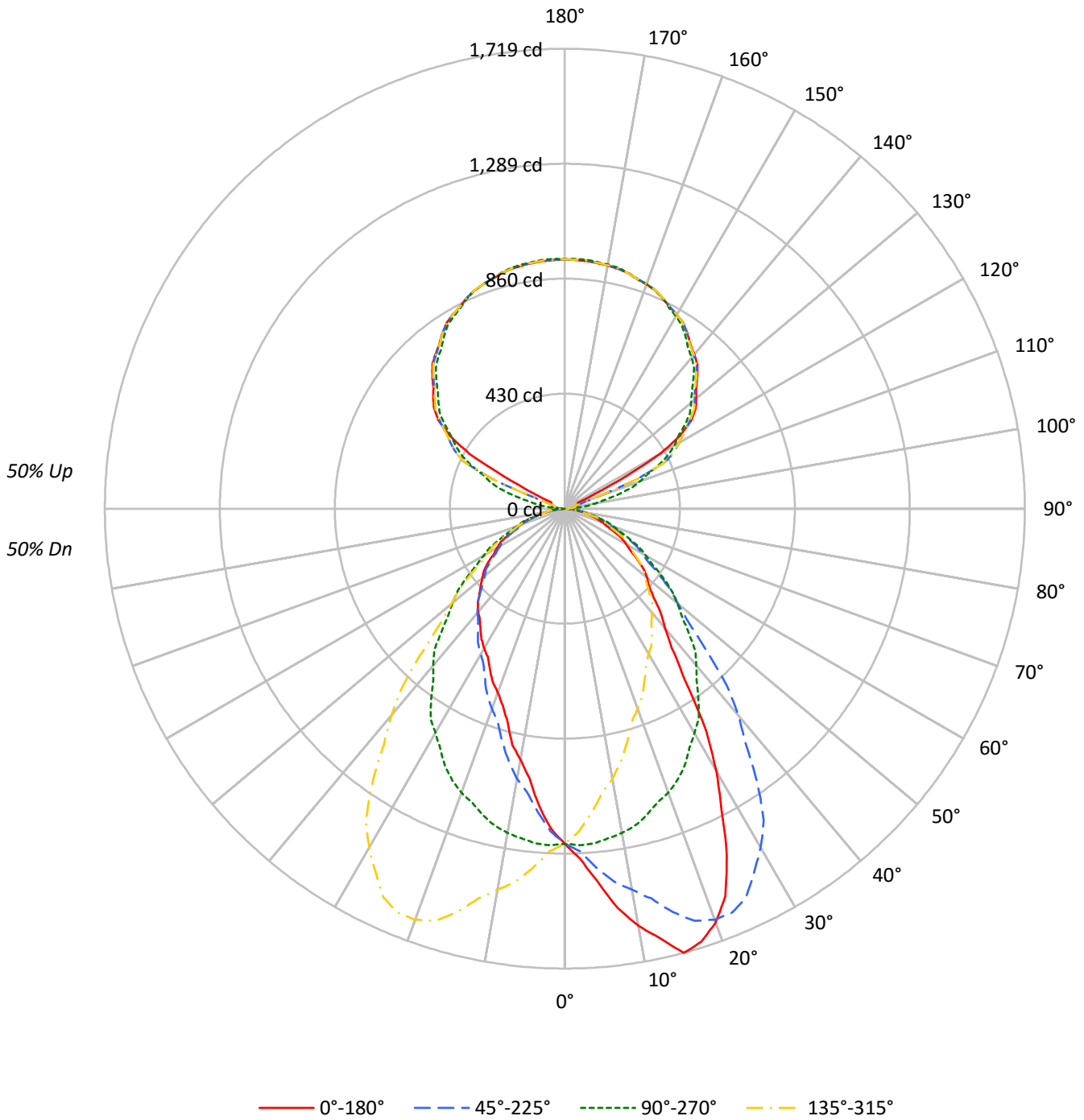
Lumens per Lamp: N/A
Luminaire Lumens: 5495.0 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

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°	20215	20215	20215	20215
5°	22663	20345	18029	20345
10°	25968	20179	15603	20179
15°	28727	19809	13785	19809
20°	28290	19411	12565	19411
25°	25509	18884	11794	18884
30°	21080	18040	11231	18040
35°	15364	17156	10831	17156
40°	12271	16115	10608	16115
45°	10723	14908	10305	14908
50°	10078	13742	10105	13742
55°	9292	12555	9833	12555
60°	8512	11296	9416	11296
65°	7755	10166	9005	10166
70°	7039	9064	8403	9064
75°	6245	7829	7442	7829
80°	5374	6481	5997	6481
85°	4817	4817	3557	4817



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.2	2.2
10°-20°	346.6	6.3
20°-30°	503.1	9.2
30°-40°	530.9	9.7
40°-50°	470.0	8.6
50°-60°	375.1	6.8
60°-70°	254.9	4.6
70°-80°	130.7	2.4
80°-90°	33.8	0.6
90°-100°	31.1	0.6
100°-110°	114.0	2.1
110°-120°	304.7	5.5
120°-130°	502.9	9.2
130°-140°	534.9	9.7
140°-150°	497.1	9.0
150°-160°	399.7	7.3
160°-170°	257.6	4.7
170°-180°	88.7	1.6
0°-30°	968.9	17.6
0°-40°	1499.8	27.3
0°-60°	2344.9	42.7
0°-90°	2764.4	50.3
90°-120°	449.7	8.2
90°-150°	1984.7	36.1
90°-180°	2731.0	49.7
0°-180°	5495.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1252	1252	1252	1252	1252	
5°	1398	1255	1112	1255	1398	140
15°	1719	1185	825	1185	1719	474
25°	1432	1060	662	1060	1432	647
35°	780	870	550	870	780	507
45°	470	653	451	653	470	369
55°	330	446	349	446	330	296
65°	203	266	236	266	203	202
75°	100	126	119	126	100	107
85°	26	26	19	26	26	29
90°	18	1	18	1	18	9
95°	29	44	29	44	29	27
105°	51	205	51	205	51	53
115°	55	388	55	388	55	138
125°	576	548	576	548	576	499
135°	700	678	700	678	700	540
145°	799	787	799	787	799	500
155°	867	866	867	866	867	400
165°	911	913	911	913	911	257
175°	928	934	928	934	928	88
180°	932	932	932	932	932	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0
2.5°	1309.7	1310.0	1310.9	1304.7	1303.9	1303.9	1298.5	1293.9	1288.5	1281.2	1282.0
5°	1398.3	1403.5	1405.4	1399.7	1391.0	1390.1	1381.9	1368.4	1355.8	1345.8	1338.6
7.5°	1503.9	1506.0	1501.3	1493.6	1487.2	1475.7	1460.5	1445.6	1424.7	1405.5	1391.3
10°	1583.9	1586.9	1578.7	1567.6	1558.5	1545.0	1522.9	1500.2	1472.8	1446.3	1425.1
12.5°	1644.7	1651.9	1641.4	1639.9	1624.3	1605.8	1579.4	1568.0	1529.4	1492.5	1469.8
15°	1718.6	1718.2	1719.2	1710.1	1698.5	1695.5	1667.6	1637.4	1583.0	1561.3	1523.8
17.5°	1697.3	1704.6	1708.0	1707.9	1707.6	1705.8	1696.9	1677.7	1650.5	1615.3	1572.0
20°	1646.5	1656.1	1657.6	1668.7	1674.9	1683.1	1686.4	1681.1	1664.3	1634.9	1597.4
22.5°	1568.0	1570.7	1575.2	1592.4	1606.0	1626.5	1637.2	1655.0	1648.5	1634.2	1602.8
25°	1431.9	1427.1	1444.0	1452.6	1483.8	1516.6	1540.2	1566.1	1589.2	1603.2	1594.0
27.5°	1268.5	1261.3	1286.5	1309.5	1334.9	1370.4	1407.1	1450.5	1486.6	1531.7	1547.2
30°	1130.7	1135.0	1159.1	1183.6	1222.1	1272.1	1313.5	1361.2	1412.7	1463.2	1498.3
32.5°	982.1	998.8	1014.0	1051.6	1085.4	1141.3	1201.9	1261.5	1325.7	1383.1	1437.5
35°	779.5	798.7	819.9	847.3	894.9	950.3	1009.5	1089.8	1177.4	1255.8	1320.3
37.5°	656.1	653.0	665.2	684.9	723.6	768.2	836.3	915.8	1018.8	1111.0	1201.9
40°	582.2	580.2	588.9	607.2	636.6	669.3	729.0	798.7	894.5	1007.0	1115.3
42.5°	531.4	532.5	537.3	550.3	570.3	597.3	642.0	701.3	789.0	895.0	1011.3
45°	469.6	473.0	478.2	484.6	496.1	518.2	543.2	585.6	654.9	743.4	857.9
47.5°	425.2	425.3	430.6	436.1	443.0	455.4	475.9	502.4	551.3	623.4	721.8
50°	401.2	397.9	401.8	406.0	413.3	422.0	435.5	460.4	493.1	551.4	633.7
52.5°	372.0	372.1	375.6	377.2	383.7	392.3	404.6	422.0	451.6	497.1	564.8
55°	330.1	332.4	334.4	337.2	343.1	349.3	358.9	370.5	393.6	427.7	477.8
57.5°	290.6	291.3	293.3	298.8	302.5	308.2	317.4	327.8	342.9	368.2	405.8
60°	263.6	263.6	267.5	269.9	274.8	280.5	287.8	297.8	311.3	332.0	362.3
62.5°	239.0	238.7	240.2	244.1	247.8	253.2	260.4	269.0	281.6	300.0	325.0
65°	203.0	202.1	205.0	205.9	209.8	215.1	220.8	230.0	240.1	253.5	275.7
67.5°	168.4	169.6	171.1	173.0	175.0	180.6	184.5	191.0	199.4	210.7	225.6
70°	149.1	149.1	149.1	150.6	153.4	156.4	160.2	165.5	173.7	183.3	196.8
72.5°	127.6	129.1	130.6	129.8	133.5	135.2	139.8	142.8	150.6	156.7	168.7
75°	100.1	100.1	100.1	102.5	104.0	105.4	108.3	111.1	115.0	122.7	128.9
77.5°	74.6	74.5	74.9	75.5	77.1	78.8	79.6	82.3	85.9	89.4	94.7
80°	57.8	58.7	59.2	60.1	60.1	61.1	61.5	64.9	67.4	69.7	73.1
82.5°	44.7	44.9	45.0	45.1	45.5	46.1	47.3	48.4	49.3	51.3	53.9
85°	26.0	25.5	25.5	26.5	26.0	26.0	27.0	27.9	27.9	28.4	29.8
87.5°	13.7	13.6	13.9	13.5	13.4	13.7	13.6	13.0	13.2	13.5	13.7
90°	18.2	17.9	17.6	17.3	17.0	16.5	15.7	15.0	14.2	13.5	12.3
92.5°	18.2	18.0	17.8	17.6	17.5	17.2	16.8	16.4	16.0	15.6	15.1
95°	29.0	29.1	29.3	29.4	29.6	29.3	28.6	27.8	27.1	26.3	25.3
97.5°	38.7	38.5	38.4	38.2	38.0	37.6	36.9	36.4	35.8	35.2	32.8
100°	45.1	44.9	44.6	44.3	44.0	43.3	42.0	40.8	39.6	38.5	35.9
102.5°	48.4	48.0	47.6	47.1	46.8	45.7	44.2	42.6	41.1	39.5	60.8
105°	51.3	50.6	50.0	49.5	48.8	47.7	46.1	44.4	42.8	41.1	82.0
107.5°	52.7	52.1	51.6	50.9	50.3	50.9	52.5	54.2	55.9	57.6	106.6
110°	53.3	52.7	52.0	51.5	50.9	58.1	73.0	88.0	103.0	118.0	161.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	53.8	53.3	52.9	52.4	51.8	79.0	133.7	188.3	243.0	297.6	308.3
115°	55.3	66.1	76.8	87.7	98.4	138.6	207.9	277.3	346.7	416.0	412.3
117.5°	225.7	261.2	296.6	332.1	367.5	393.6	410.4	427.3	444.0	460.8	458.2
120°	411.3	431.5	451.8	471.9	492.2	501.4	499.6	497.9	496.0	494.2	491.5
122.5°	513.2	517.2	521.0	525.0	529.0	530.4	529.2	528.2	527.1	526.0	523.1
125°	576.5	576.0	575.6	575.1	574.7	573.9	572.9	571.8	570.8	569.8	566.8
127.5°	616.4	616.3	616.2	616.1	616.0	615.2	613.7	612.2	610.7	609.1	607.0
130°	641.2	641.3	641.5	641.7	641.8	641.0	639.4	637.7	636.1	634.4	632.8
132.5°	665.4	665.6	665.8	665.9	666.1	665.4	664.0	662.6	661.2	659.8	658.2
135°	700.5	700.8	701.2	701.4	701.7	701.2	699.6	698.1	696.6	695.1	693.8
137.5°	732.4	733.0	733.5	734.1	734.5	734.1	732.5	731.1	729.6	728.2	726.6
140°	752.4	753.2	753.9	754.7	755.4	755.2	753.8	752.4	751.1	749.8	748.1
142.5°	771.8	772.6	773.4	774.1	774.9	774.6	773.4	772.1	770.9	769.7	767.8
145°	799.0	799.7	800.5	801.3	801.9	801.8	800.8	799.7	798.7	797.6	795.0
147.5°	822.8	823.5	824.1	824.7	825.4	825.3	824.5	823.7	822.9	822.2	819.6
150°	837.4	838.1	838.9	839.6	840.4	840.3	839.4	838.5	837.6	836.7	834.3
152.5°	849.8	850.8	851.8	852.8	853.8	853.8	852.9	852.0	851.1	850.2	847.9
155°	867.0	868.3	869.5	870.6	871.9	872.0	871.1	870.2	869.3	868.4	866.6
157.5°	882.9	884.0	885.1	886.4	887.5	887.6	886.6	885.5	884.6	883.5	882.2
160°	892.0	893.1	894.1	895.1	896.2	896.3	895.4	894.5	893.6	892.7	891.7
162.5°	899.6	900.9	902.1	903.4	904.7	904.8	903.8	902.8	901.8	900.8	900.0
165°	910.9	911.9	912.9	914.1	915.1	915.1	914.1	912.9	911.9	910.9	910.4
167.5°	918.0	919.4	920.8	922.1	923.4	923.6	922.6	921.5	920.4	919.4	919.0
170°	922.4	923.7	925.0	926.4	927.7	927.9	926.8	925.8	924.7	923.7	923.4
172.5°	925.6	926.9	928.3	929.6	930.9	931.1	930.1	929.1	928.0	926.9	926.6
175°	928.4	929.9	931.4	932.9	934.4	934.6	933.6	932.6	931.5	930.5	930.1
177.5°	930.2	931.2	932.4	933.4	934.5	934.6	933.8	932.9	932.1	931.2	931.1
180°	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0
2.5°	1284.7	1281.6	1279.7	1272.7	1266.6	1260.5	1258.5	1259.2	1250.8	1242.7	1239.3
5°	1334.7	1325.1	1316.0	1303.0	1287.6	1270.7	1262.1	1255.3	1238.5	1220.2	1209.7
7.5°	1379.6	1365.8	1348.2	1323.7	1301.4	1274.9	1258.0	1243.1	1218.4	1192.7	1176.9
10°	1406.9	1388.1	1365.5	1335.7	1308.2	1276.0	1253.4	1230.8	1201.9	1171.1	1151.9
12.5°	1430.4	1405.0	1382.8	1344.5	1312.1	1271.8	1244.9	1213.1	1182.7	1146.1	1127.3
15°	1486.3	1439.6	1397.2	1354.0	1314.0	1257.7	1227.9	1185.1	1145.1	1099.9	1078.3
17.5°	1529.5	1477.1	1410.3	1355.3	1308.7	1246.4	1202.6	1151.3	1104.1	1052.3	1022.9
20°	1554.2	1493.9	1422.3	1356.9	1301.0	1229.8	1182.2	1129.7	1074.4	1016.2	984.4
22.5°	1568.8	1505.5	1434.6	1351.0	1285.6	1216.4	1156.4	1098.9	1042.8	980.1	946.7
25°	1573.4	1515.6	1440.6	1346.2	1266.4	1188.0	1115.8	1060.0	992.1	933.4	884.9
27.5°	1550.5	1509.1	1436.9	1337.2	1244.2	1152.4	1072.0	1008.8	937.2	873.5	824.6
30°	1522.4	1498.3	1428.0	1327.9	1226.4	1127.8	1039.2	967.6	896.4	831.9	781.8
32.5°	1478.8	1473.7	1411.9	1314.8	1207.6	1096.6	1005.0	932.6	853.7	790.3	742.6
35°	1393.5	1416.5	1377.5	1285.6	1172.1	1052.3	953.2	870.4	788.6	728.0	683.2
37.5°	1278.9	1336.2	1326.1	1242.8	1124.2	1004.0	894.6	808.0	730.1	668.9	625.0
40°	1200.0	1273.1	1283.7	1210.1	1090.3	966.7	850.6	764.6	688.5	632.7	588.4
42.5°	1115.3	1200.8	1229.8	1170.8	1053.3	927.4	811.4	722.2	647.0	592.7	553.5
45°	973.4	1086.5	1138.9	1105.2	991.6	862.7	743.4	652.9	584.6	533.6	503.3
47.5°	840.7	964.2	1034.7	1022.8	923.0	795.3	677.4	590.6	524.1	483.3	456.2
50°	746.8	873.7	958.9	962.8	873.7	747.2	628.9	547.1	486.0	448.0	425.8
52.5°	665.2	786.4	879.3	899.7	818.7	697.2	585.4	504.0	450.2	415.2	395.4
55°	558.6	661.1	764.0	801.6	736.6	621.1	517.7	446.0	395.5	371.5	354.1
57.5°	464.4	549.9	645.0	686.5	646.4	547.5	450.5	388.3	347.3	326.2	312.9
60°	414.7	482.1	566.8	616.3	581.7	493.7	409.0	349.8	316.1	297.4	284.8
62.5°	368.5	428.2	499.8	545.2	526.3	443.3	367.4	315.2	286.1	268.4	259.5
65°	304.1	351.3	406.6	448.5	435.9	372.9	310.9	266.1	243.0	229.0	221.8
67.5°	250.4	284.5	322.8	359.5	349.4	304.7	255.0	220.1	202.8	190.9	186.5
70°	216.5	242.5	276.6	306.0	297.8	261.3	221.8	192.0	177.1	166.9	162.6
72.5°	184.2	205.6	231.6	255.6	250.1	219.7	186.8	164.3	152.8	143.5	139.9
75°	139.0	155.4	171.3	187.2	185.7	162.1	142.9	125.5	116.4	109.2	107.7
77.5°	102.6	111.8	122.6	132.1	129.4	115.9	100.9	91.0	84.2	79.4	78.6
80°	78.4	83.7	91.4	98.1	94.8	89.0	77.0	69.7	64.9	60.1	58.2
82.5°	56.8	62.2	66.8	70.4	67.9	62.5	55.0	50.1	47.2	44.0	43.2
85°	29.8	32.7	34.7	35.6	34.7	31.3	27.9	26.0	23.6	22.1	21.7
87.5°	13.8	13.5	13.3	13.8	12.3	12.0	10.1	8.6	8.6	8.5	8.0
90°	11.1	9.9	8.7	7.3	5.7	4.0	2.4	0.7	2.4	4.0	5.7
92.5°	14.4	13.9	13.3	13.0	13.2	13.3	13.5	13.6	13.5	13.3	13.2
95°	24.2	23.2	22.1	24.0	29.0	33.9	38.9	43.8	38.9	33.9	29.0
97.5°	30.3	27.9	25.4	31.2	45.1	59.1	73.0	87.0	73.0	59.1	45.1
100°	33.4	30.8	28.3	37.2	57.8	78.3	98.8	119.3	98.8	78.3	57.8
102.5°	82.1	103.4	124.7	137.5	141.9	146.3	150.6	155.0	150.6	146.3	141.9
105°	122.9	163.8	204.7	222.9	218.5	214.0	209.4	205.0	209.4	214.0	218.5
107.5°	155.7	204.7	253.8	276.5	272.9	269.3	265.6	262.0	265.6	269.3	272.9
110°	204.6	247.9	291.2	311.2	308.1	305.0	301.8	298.7	301.8	305.0	308.1



TEST NUMBER: P331348-830

CATALOG NUMBER: SA2XXDIP-C675D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	319.0	329.7	340.4	344.3	341.6	338.7	336.0	333.2	336.0	338.7	341.6
115°	408.5	404.7	401.1	397.8	395.3	392.8	390.2	387.7	390.2	392.8	395.3
117.5°	455.6	453.1	450.4	447.7	444.9	442.1	439.2	436.4	439.2	442.1	444.9
120°	488.8	486.2	483.4	481.0	478.7	476.5	474.2	471.9	474.2	476.5	478.7
122.5°	520.2	517.3	514.3	511.6	509.3	506.9	504.5	502.2	504.5	506.9	509.3
125°	564.0	561.2	558.4	555.9	554.0	552.0	550.1	548.2	550.1	552.0	554.0
127.5°	604.8	602.8	600.6	598.4	596.3	594.2	592.0	589.8	592.0	594.2	596.3
130°	631.1	629.5	627.8	625.8	623.4	621.0	618.7	616.2	618.7	621.0	623.4
132.5°	656.5	654.9	653.2	651.4	649.3	647.3	645.3	643.2	645.3	647.3	649.3
135°	692.4	691.1	689.8	687.9	685.5	683.1	680.7	678.3	680.7	683.1	685.5
137.5°	725.1	723.6	722.1	720.5	718.8	717.1	715.4	713.8	715.4	717.1	718.8
140°	746.5	744.8	743.2	741.7	740.6	739.3	738.1	737.0	738.1	739.3	740.6
142.5°	765.9	764.0	762.1	760.6	759.6	758.6	757.4	756.4	757.4	758.6	759.6
145°	792.5	789.9	787.4	786.3	786.4	786.6	786.6	786.8	786.6	786.6	786.4
147.5°	817.1	814.6	812.1	811.2	811.7	812.3	812.8	813.4	812.8	812.3	811.7
150°	831.9	829.5	827.2	826.4	827.6	828.6	829.6	830.7	829.6	828.6	827.6
152.5°	845.6	843.4	841.1	840.6	841.7	842.9	844.0	845.2	844.0	842.9	841.7
155°	864.8	863.0	861.2	861.0	862.3	863.7	865.1	866.4	865.1	863.7	862.3
157.5°	881.0	879.8	878.4	878.4	879.6	880.7	881.8	883.0	881.8	880.7	879.6
160°	890.9	889.9	889.1	889.1	889.9	890.9	891.7	892.7	891.7	890.9	889.9
162.5°	899.2	898.4	897.7	897.7	898.6	899.6	900.4	901.4	900.4	899.6	898.6
165°	910.0	909.6	909.1	909.3	910.2	911.2	912.0	912.9	912.0	911.2	910.2
167.5°	918.5	918.1	917.7	917.9	918.9	919.7	920.7	921.5	920.7	919.7	918.9
170°	923.1	922.8	922.5	922.8	923.7	924.6	925.5	926.4	925.5	924.6	923.7
172.5°	926.3	926.0	925.8	926.0	926.9	927.8	928.7	929.6	928.7	927.8	926.9
175°	929.8	929.5	929.3	929.6	930.7	931.7	932.7	933.8	932.7	931.7	930.7
177.5°	931.0	930.9	930.8	931.1	932.0	932.8	933.7	934.5	933.7	932.8	932.0
180°	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8



TEST NUMBER: P331348-830

CATALOG NUMBER: SA2XXDIP-C675D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0
2.5°	1235.4	1233.1	1225.0	1220.8	1213.8	1207.3	1203.1	1205.0	1206.5	1205.8	1204.6
5°	1200.0	1190.8	1176.9	1164.9	1156.2	1140.3	1133.6	1130.2	1127.4	1124.0	1120.6
7.5°	1157.8	1143.4	1123.4	1106.3	1090.1	1070.4	1059.1	1052.3	1045.5	1037.8	1031.1
10°	1127.8	1107.6	1086.5	1062.3	1043.1	1025.3	1009.5	998.9	989.3	980.1	973.4
12.5°	1096.3	1073.0	1046.8	1013.9	992.7	967.2	964.8	946.1	931.1	925.5	917.6
15°	1046.0	1013.3	980.1	941.1	924.3	901.2	886.7	872.3	859.3	850.2	847.8
17.5°	988.9	946.6	913.6	885.6	858.0	834.3	821.0	809.5	798.8	786.6	784.9
20°	945.5	908.9	872.8	848.3	819.9	795.8	779.5	767.9	758.7	751.6	745.3
22.5°	904.3	864.2	831.2	804.4	776.4	757.0	744.0	732.9	725.3	717.3	711.4
25°	838.2	806.9	770.8	740.5	717.4	704.9	694.3	684.7	679.9	674.6	667.9
27.5°	780.3	745.6	711.8	688.3	668.1	657.0	649.4	642.9	638.4	635.3	631.5
30°	739.5	704.4	678.0	654.9	638.0	627.0	622.2	618.3	613.0	611.1	609.2
32.5°	700.3	668.6	646.0	625.9	609.9	602.7	598.2	594.8	590.7	588.7	584.8
35°	644.7	618.3	596.2	585.0	572.1	565.8	562.5	557.6	553.8	551.9	551.4
37.5°	592.5	569.5	555.0	540.7	535.3	531.4	526.8	523.5	522.4	522.1	521.6
40°	558.6	539.9	526.9	515.3	512.9	507.1	503.3	500.4	500.4	500.9	500.4
42.5°	527.8	511.0	499.5	489.6	486.7	483.2	479.4	479.2	480.0	481.6	480.0
45°	481.2	469.1	460.9	456.1	450.8	447.4	447.0	448.5	448.9	449.4	450.8
47.5°	438.2	430.3	422.8	417.5	415.2	414.6	414.1	416.6	418.9	419.7	422.0
50°	412.8	403.7	397.5	394.1	392.1	391.2	392.1	395.0	396.9	399.4	400.8
52.5°	384.4	377.9	373.5	371.0	370.2	370.8	371.0	374.3	377.3	378.1	378.9
55°	345.0	340.2	339.2	334.9	336.8	336.3	338.7	340.6	343.6	346.4	346.9
57.5°	305.8	301.9	299.3	299.6	300.2	302.4	304.3	307.7	310.9	313.9	314.1
60°	279.6	277.6	276.2	276.2	277.1	280.0	282.5	285.8	287.8	289.6	291.1
62.5°	255.7	253.7	252.3	253.1	255.6	257.3	260.1	261.9	263.8	265.8	266.5
65°	217.9	217.0	218.5	219.4	219.9	222.3	225.6	227.1	229.0	230.0	233.4
67.5°	183.2	183.4	183.2	184.5	187.4	187.9	191.1	194.4	194.8	196.7	198.9
70°	159.8	160.7	161.6	162.6	165.0	166.0	168.4	169.8	171.7	173.2	174.7
72.5°	138.2	138.4	139.3	139.1	141.2	143.3	145.3	146.8	148.6	150.5	151.9
75°	106.3	106.3	107.3	107.7	110.2	112.6	112.1	113.1	115.0	116.9	117.9
77.5°	77.7	76.6	77.7	78.1	78.9	81.0	81.3	82.7	84.8	84.2	85.3
80°	59.2	57.8	59.2	59.7	59.7	62.1	62.1	63.1	64.5	63.1	64.5
82.5°	42.2	41.6	42.6	42.7	43.5	43.5	44.4	44.6	46.0	45.3	46.0
85°	21.2	20.7	21.2	20.7	21.2	21.7	21.7	21.2	21.2	22.1	20.7
87.5°	8.0	7.9	7.7	8.0	7.8	7.7	7.4	7.6	7.7	7.2	7.3
90°	7.3	8.7	9.9	11.1	12.3	13.5	14.2	15.0	15.7	16.5	17.0
92.5°	13.0	13.3	13.9	14.4	15.1	15.6	16.0	16.4	16.8	17.2	17.5
95°	24.0	22.1	23.2	24.2	25.3	26.3	27.1	27.8	28.6	29.3	29.6
97.5°	31.2	25.4	27.9	30.3	32.8	35.2	35.8	36.4	36.9	37.6	38.0
100°	37.2	28.3	30.8	33.4	35.9	38.5	39.6	40.8	42.0	43.3	44.0
102.5°	137.5	124.7	103.4	82.1	60.8	39.5	41.1	42.6	44.2	45.7	46.8
105°	222.9	204.7	163.8	122.9	82.0	41.1	42.8	44.4	46.1	47.7	48.8
107.5°	276.5	253.8	204.7	155.7	106.6	57.6	55.9	54.2	52.5	50.9	50.3
110°	311.2	291.2	247.9	204.6	161.3	118.0	103.0	88.0	73.0	58.1	50.9



TEST NUMBER: P331348-830

CATALOG NUMBER: SA2XXDIP-C675D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	344.3	340.4	329.7	319.0	308.3	297.6	243.0	188.3	133.7	79.0	51.8
115°	397.8	401.1	404.7	408.5	412.3	416.0	346.7	277.3	207.9	138.6	98.4
117.5°	447.7	450.4	453.1	455.6	458.2	460.8	444.0	427.3	410.4	393.6	367.5
120°	481.0	483.4	486.2	488.8	491.5	494.2	496.0	497.9	499.6	501.4	492.2
122.5°	511.6	514.3	517.3	520.2	523.1	526.0	527.1	528.2	529.2	530.4	529.0
125°	555.9	558.4	561.2	564.0	566.8	569.8	570.8	571.8	572.9	573.9	574.7
127.5°	598.4	600.6	602.8	604.8	607.0	609.1	610.7	612.2	613.7	615.2	616.0
130°	625.8	627.8	629.5	631.1	632.8	634.4	636.1	637.7	639.4	641.0	641.8
132.5°	651.4	653.2	654.9	656.5	658.2	659.8	661.2	662.6	664.0	665.4	666.1
135°	687.9	689.8	691.1	692.4	693.8	695.1	696.6	698.1	699.6	701.2	701.7
137.5°	720.5	722.1	723.6	725.1	726.6	728.2	729.6	731.1	732.5	734.1	734.5
140°	741.7	743.2	744.8	746.5	748.1	749.8	751.1	752.4	753.8	755.2	755.4
142.5°	760.6	762.1	764.0	765.9	767.8	769.7	770.9	772.1	773.4	774.6	774.9
145°	786.3	787.4	789.9	792.5	795.0	797.6	798.7	799.7	800.8	801.8	801.9
147.5°	811.2	812.1	814.6	817.1	819.6	822.2	822.9	823.7	824.5	825.3	825.4
150°	826.4	827.2	829.5	831.9	834.3	836.7	837.6	838.5	839.4	840.3	840.4
152.5°	840.6	841.1	843.4	845.6	847.9	850.2	851.1	852.0	852.9	853.8	853.8
155°	861.0	861.2	863.0	864.8	866.6	868.4	869.3	870.2	871.1	872.0	871.9
157.5°	878.4	878.4	879.8	881.0	882.2	883.5	884.6	885.5	886.6	887.6	887.5
160°	889.1	889.1	889.9	890.9	891.7	892.7	893.6	894.5	895.4	896.3	896.2
162.5°	897.7	897.7	898.4	899.2	900.0	900.8	901.8	902.8	903.8	904.8	904.7
165°	909.3	909.1	909.6	910.0	910.4	910.9	911.9	912.9	914.1	915.1	915.1
167.5°	917.9	917.7	918.1	918.5	919.0	919.4	920.4	921.5	922.6	923.6	923.4
170°	922.8	922.5	922.8	923.1	923.4	923.7	924.7	925.8	926.8	927.9	927.7
172.5°	926.0	925.8	926.0	926.3	926.6	926.9	928.0	929.1	930.1	931.1	930.9
175°	929.6	929.3	929.5	929.8	930.1	930.5	931.5	932.6	933.6	934.6	934.4
177.5°	931.1	930.8	930.9	931.0	931.1	931.2	932.1	932.9	933.8	934.6	934.5
180°	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8



TEST NUMBER: P331348-830

CATALOG NUMBER: SA2XXDIP-C675D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0
2.5°	1200.8	1200.0	1200.0	1196.6	1200.0	1200.0	1200.8	1204.6	1205.8	1206.5	1205.0
5°	1113.9	1112.4	1110.0	1112.4	1110.0	1112.4	1113.9	1120.6	1124.0	1127.4	1130.2
7.5°	1027.9	1022.2	1021.3	1015.6	1021.3	1022.2	1027.9	1031.1	1037.8	1045.5	1052.3
10°	965.2	961.3	960.8	951.7	960.8	961.3	965.2	973.4	980.1	989.3	998.9
12.5°	917.5	908.2	910.0	904.7	910.0	908.2	917.5	917.6	925.5	931.1	946.1
15°	834.8	834.8	832.8	824.7	832.8	834.8	834.8	847.8	850.2	859.3	872.3
17.5°	775.4	774.5	769.9	772.1	769.9	774.5	775.4	784.9	786.6	798.8	809.5
20°	740.0	737.2	731.3	731.3	731.3	737.2	740.0	745.3	751.6	758.7	767.9
22.5°	706.5	706.3	700.2	702.1	700.2	706.3	706.5	711.4	717.3	725.3	732.9
25°	667.3	663.5	660.6	662.0	660.6	663.5	667.3	667.9	674.6	679.9	684.7
27.5°	630.2	628.1	627.9	624.0	627.9	628.1	630.2	631.5	635.3	638.4	642.9
30°	608.7	603.9	604.8	602.4	604.8	603.9	608.7	609.2	611.1	613.0	618.3
32.5°	584.0	582.3	581.4	579.3	581.4	582.3	584.0	584.8	588.7	590.7	594.8
35°	550.4	550.9	548.6	549.5	548.6	550.9	550.4	551.4	551.9	553.8	557.6
37.5°	521.1	522.6	521.5	521.8	521.5	522.6	521.1	521.6	522.1	522.4	523.5
40°	501.8	501.8	501.8	503.3	501.8	501.8	501.8	500.4	500.9	500.4	500.4
42.5°	483.3	482.6	481.8	481.7	481.8	482.6	483.3	480.0	481.6	480.0	479.2
45°	451.8	453.3	453.7	451.3	453.7	453.3	451.8	450.8	449.4	448.9	448.5
47.5°	423.2	423.4	423.2	425.4	423.2	423.4	423.2	422.0	419.7	418.9	416.6
50°	403.2	402.3	403.2	402.3	403.2	402.3	403.2	400.8	399.4	396.9	395.0
52.5°	382.0	382.2	381.6	381.4	381.6	382.2	382.0	378.9	378.1	377.3	374.3
55°	348.8	349.8	349.3	349.3	349.3	349.8	348.8	346.9	346.4	343.6	340.6
57.5°	314.5	315.4	316.0	313.9	316.0	315.4	314.5	314.1	313.9	310.9	307.7
60°	290.6	293.0	292.6	291.6	292.6	293.0	290.6	291.1	289.6	287.8	285.8
62.5°	268.7	269.6	269.5	269.3	269.5	269.6	268.7	266.5	265.8	263.8	261.9
65°	234.8	235.7	234.3	235.7	234.3	235.7	234.8	233.4	230.0	229.0	227.1
67.5°	198.3	198.6	199.7	200.4	199.7	198.6	198.3	198.9	196.7	194.8	194.4
70°	175.6	175.1	176.5	178.0	176.5	175.1	175.6	174.7	173.2	171.7	169.8
72.5°	151.7	152.8	152.3	153.4	152.3	152.8	151.7	151.9	150.5	148.6	146.8
75°	116.9	118.4	117.9	119.3	117.9	118.4	116.9	117.9	116.9	115.0	113.1
77.5°	84.5	84.6	84.5	85.3	84.5	84.6	84.5	85.3	84.2	84.8	82.7
80°	64.5	63.5	62.6	64.5	62.6	63.5	64.5	64.5	63.1	64.5	63.1
82.5°	44.9	45.4	44.5	44.5	44.5	45.4	44.9	46.0	45.3	46.0	44.6
85°	20.7	20.2	19.2	19.2	19.2	20.2	20.7	20.7	22.1	21.2	21.2
87.5°	7.4	7.0	7.1	6.7	7.1	7.0	7.4	7.3	7.2	7.7	7.6
90°	17.3	17.6	17.9	18.2	17.9	17.6	17.3	17.0	16.5	15.7	15.0
92.5°	17.6	17.8	18.0	18.2	18.0	17.8	17.6	17.5	17.2	16.8	16.4
95°	29.4	29.3	29.1	29.0	29.1	29.3	29.4	29.6	29.3	28.6	27.8
97.5°	38.2	38.4	38.5	38.7	38.5	38.4	38.2	38.0	37.6	36.9	36.4
100°	44.3	44.6	44.9	45.1	44.9	44.6	44.3	44.0	43.3	42.0	40.8
102.5°	47.1	47.6	48.0	48.4	48.0	47.6	47.1	46.8	45.7	44.2	42.6
105°	49.5	50.0	50.6	51.3	50.6	50.0	49.5	48.8	47.7	46.1	44.4
107.5°	50.9	51.6	52.1	52.7	52.1	51.6	50.9	50.3	50.9	52.5	54.2
110°	51.5	52.0	52.7	53.3	52.7	52.0	51.5	50.9	58.1	73.0	88.0



TEST NUMBER: P331348-830

CATALOG NUMBER: SA2XXDIP-C675D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	52.4	52.9	53.3	53.8	53.3	52.9	52.4	51.8	79.0	133.7	188.3
115°	87.7	76.8	66.1	55.3	66.1	76.8	87.7	98.4	138.6	207.9	277.3
117.5°	332.1	296.6	261.2	225.7	261.2	296.6	332.1	367.5	393.6	410.4	427.3
120°	471.9	451.8	431.5	411.3	431.5	451.8	471.9	492.2	501.4	499.6	497.9
122.5°	525.0	521.0	517.2	513.2	517.2	521.0	525.0	529.0	530.4	529.2	528.2
125°	575.1	575.6	576.0	576.5	576.0	575.6	575.1	574.7	573.9	572.9	571.8
127.5°	616.1	616.2	616.3	616.4	616.3	616.2	616.1	616.0	615.2	613.7	612.2
130°	641.7	641.5	641.3	641.2	641.3	641.5	641.7	641.8	641.0	639.4	637.7
132.5°	665.9	665.8	665.6	665.4	665.6	665.8	665.9	666.1	665.4	664.0	662.6
135°	701.4	701.2	700.8	700.5	700.8	701.2	701.4	701.7	701.2	699.6	698.1
137.5°	734.1	733.5	733.0	732.4	733.0	733.5	734.1	734.5	734.1	732.5	731.1
140°	754.7	753.9	753.2	752.4	753.2	753.9	754.7	755.4	755.2	753.8	752.4
142.5°	774.1	773.4	772.6	771.8	772.6	773.4	774.1	774.9	774.6	773.4	772.1
145°	801.3	800.5	799.7	799.0	799.7	800.5	801.3	801.9	801.8	800.8	799.7
147.5°	824.7	824.1	823.5	822.8	823.5	824.1	824.7	825.4	825.3	824.5	823.7
150°	839.6	838.9	838.1	837.4	838.1	838.9	839.6	840.4	840.3	839.4	838.5
152.5°	852.8	851.8	850.8	849.8	850.8	851.8	852.8	853.8	853.8	852.9	852.0
155°	870.6	869.5	868.3	867.0	868.3	869.5	870.6	871.9	872.0	871.1	870.2
157.5°	886.4	885.1	884.0	882.9	884.0	885.1	886.4	887.5	887.6	886.6	885.5
160°	895.1	894.1	893.1	892.0	893.1	894.1	895.1	896.2	896.3	895.4	894.5
162.5°	903.4	902.1	900.9	899.6	900.9	902.1	903.4	904.7	904.8	903.8	902.8
165°	914.1	912.9	911.9	910.9	911.9	912.9	914.1	915.1	915.1	914.1	912.9
167.5°	922.1	920.8	919.4	918.0	919.4	920.8	922.1	923.4	923.6	922.6	921.5
170°	926.4	925.0	923.7	922.4	923.7	925.0	926.4	927.7	927.9	926.8	925.8
172.5°	929.6	928.3	926.9	925.6	926.9	928.3	929.6	930.9	931.1	930.1	929.1
175°	932.9	931.4	929.9	928.4	929.9	931.4	932.9	934.4	934.6	933.6	932.6
177.5°	933.4	932.4	931.2	930.2	931.2	932.4	933.4	934.5	934.6	933.8	932.9
180°	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8



TEST NUMBER: P331348-830

CATALOG NUMBER: SA2XXDIP-C675D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0
2.5°	1203.1	1207.3	1213.8	1220.8	1225.0	1233.1	1235.4	1239.3	1242.7	1250.8	1259.2
5°	1133.6	1140.3	1156.2	1164.9	1176.9	1190.8	1200.0	1209.7	1220.2	1238.5	1255.3
7.5°	1059.1	1070.4	1090.1	1106.3	1123.4	1143.4	1157.8	1176.9	1192.7	1218.4	1243.1
10°	1009.5	1025.3	1043.1	1062.3	1086.5	1107.6	1127.8	1151.9	1171.1	1201.9	1230.8
12.5°	964.8	967.2	992.7	1013.9	1046.8	1073.0	1096.3	1127.3	1146.1	1182.7	1213.1
15°	886.7	901.2	924.3	941.1	980.1	1013.3	1046.0	1078.3	1099.9	1145.1	1185.1
17.5°	821.0	834.3	858.0	885.6	913.6	946.6	988.9	1022.9	1052.3	1104.1	1151.3
20°	779.5	795.8	819.9	848.3	872.8	908.9	945.5	984.4	1016.2	1074.4	1129.7
22.5°	744.0	757.0	776.4	804.4	831.2	864.2	904.3	946.7	980.1	1042.8	1098.9
25°	694.3	704.9	717.4	740.5	770.8	806.9	838.2	884.9	933.4	992.1	1060.0
27.5°	649.4	657.0	668.1	688.3	711.8	745.6	780.3	824.6	873.5	937.2	1008.8
30°	622.2	627.0	638.0	654.9	678.0	704.4	739.5	781.8	831.9	896.4	967.6
32.5°	598.2	602.7	609.9	625.9	646.0	668.6	700.3	742.6	790.3	853.7	932.6
35°	562.5	565.8	572.1	585.0	596.2	618.3	644.7	683.2	728.0	788.6	870.4
37.5°	526.8	531.4	535.3	540.7	555.0	569.5	592.5	625.0	668.9	730.1	808.0
40°	503.3	507.1	512.9	515.3	526.9	539.9	558.6	588.4	632.7	688.5	764.6
42.5°	479.4	483.2	486.7	489.6	499.5	511.0	527.8	553.5	592.7	647.0	722.2
45°	447.0	447.4	450.8	456.1	460.9	469.1	481.2	503.3	533.6	584.6	652.9
47.5°	414.1	414.6	415.2	417.5	422.8	430.3	438.2	456.2	483.3	524.1	590.6
50°	392.1	391.2	392.1	394.1	397.5	403.7	412.8	425.8	448.0	486.0	547.1
52.5°	371.0	370.8	370.2	371.0	373.5	377.9	384.4	395.4	415.2	450.2	504.0
55°	338.7	336.3	336.8	334.9	339.2	340.2	345.0	354.1	371.5	395.5	446.0
57.5°	304.3	302.4	300.2	299.6	299.3	301.9	305.8	312.9	326.2	347.3	388.3
60°	282.5	280.0	277.1	276.2	276.2	277.6	279.6	284.8	297.4	316.1	349.8
62.5°	260.1	257.3	255.6	253.1	252.3	253.7	255.7	259.5	268.4	286.1	315.2
65°	225.6	222.3	219.9	219.4	218.5	217.0	217.9	221.8	229.0	243.0	266.1
67.5°	191.1	187.9	187.4	184.5	183.2	183.4	183.2	186.5	190.9	202.8	220.1
70°	168.4	166.0	165.0	162.6	161.6	160.7	159.8	162.6	166.9	177.1	192.0
72.5°	145.3	143.3	141.2	139.1	139.3	138.4	138.2	139.9	143.5	152.8	164.3
75°	112.1	112.6	110.2	107.7	107.3	106.3	106.3	107.7	109.2	116.4	125.5
77.5°	81.3	81.0	78.9	78.1	77.7	76.6	77.7	78.6	79.4	84.2	91.0
80°	62.1	62.1	59.7	59.7	59.2	57.8	59.2	58.2	60.1	64.9	69.7
82.5°	44.4	43.5	43.5	42.7	42.6	41.6	42.2	43.2	44.0	47.2	50.1
85°	21.7	21.7	21.2	20.7	21.2	20.7	21.2	21.7	22.1	23.6	26.0
87.5°	7.4	7.7	7.8	8.0	7.7	7.9	8.0	8.0	8.5	8.6	8.6
90°	14.2	13.5	12.3	11.1	9.9	8.7	7.3	5.7	4.0	2.4	0.7
92.5°	16.0	15.6	15.1	14.4	13.9	13.3	13.0	13.2	13.3	13.5	13.6
95°	27.1	26.3	25.3	24.2	23.2	22.1	24.0	29.0	33.9	38.9	43.8
97.5°	35.8	35.2	32.8	30.3	27.9	25.4	31.2	45.1	59.1	73.0	87.0
100°	39.6	38.5	35.9	33.4	30.8	28.3	37.2	57.8	78.3	98.8	119.3
102.5°	41.1	39.5	60.8	82.1	103.4	124.7	137.5	141.9	146.3	150.6	155.0
105°	42.8	41.1	82.0	122.9	163.8	204.7	222.9	218.5	214.0	209.4	205.0
107.5°	55.9	57.6	106.6	155.7	204.7	253.8	276.5	272.9	269.3	265.6	262.0
110°	103.0	118.0	161.3	204.6	247.9	291.2	311.2	308.1	305.0	301.8	298.7



TEST NUMBER: P331348-830
 CATALOG NUMBER: SA2XXDIP-C675D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	243.0	297.6	308.3	319.0	329.7	340.4	344.3	341.6	338.7	336.0	333.2
115°	346.7	416.0	412.3	408.5	404.7	401.1	397.8	395.3	392.8	390.2	387.7
117.5°	444.0	460.8	458.2	455.6	453.1	450.4	447.7	444.9	442.1	439.2	436.4
120°	496.0	494.2	491.5	488.8	486.2	483.4	481.0	478.7	476.5	474.2	471.9
122.5°	527.1	526.0	523.1	520.2	517.3	514.3	511.6	509.3	506.9	504.5	502.2
125°	570.8	569.8	566.8	564.0	561.2	558.4	555.9	554.0	552.0	550.1	548.2
127.5°	610.7	609.1	607.0	604.8	602.8	600.6	598.4	596.3	594.2	592.0	589.8
130°	636.1	634.4	632.8	631.1	629.5	627.8	625.8	623.4	621.0	618.7	616.2
132.5°	661.2	659.8	658.2	656.5	654.9	653.2	651.4	649.3	647.3	645.3	643.2
135°	696.6	695.1	693.8	692.4	691.1	689.8	687.9	685.5	683.1	680.7	678.3
137.5°	729.6	728.2	726.6	725.1	723.6	722.1	720.5	718.8	717.1	715.4	713.8
140°	751.1	749.8	748.1	746.5	744.8	743.2	741.7	740.6	739.3	738.1	737.0
142.5°	770.9	769.7	767.8	765.9	764.0	762.1	760.6	759.6	758.6	757.4	756.4
145°	798.7	797.6	795.0	792.5	789.9	787.4	786.3	786.4	786.6	786.6	786.8
147.5°	822.9	822.2	819.6	817.1	814.6	812.1	811.2	811.7	812.3	812.8	813.4
150°	837.6	836.7	834.3	831.9	829.5	827.2	826.4	827.6	828.6	829.6	830.7
152.5°	851.1	850.2	847.9	845.6	843.4	841.1	840.6	841.7	842.9	844.0	845.2
155°	869.3	868.4	866.6	864.8	863.0	861.2	861.0	862.3	863.7	865.1	866.4
157.5°	884.6	883.5	882.2	881.0	879.8	878.4	878.4	879.6	880.7	881.8	883.0
160°	893.6	892.7	891.7	890.9	889.9	889.1	889.1	889.9	890.9	891.7	892.7
162.5°	901.8	900.8	900.0	899.2	898.4	897.7	897.7	898.6	899.6	900.4	901.4
165°	911.9	910.9	910.4	910.0	909.6	909.1	909.3	910.2	911.2	912.0	912.9
167.5°	920.4	919.4	919.0	918.5	918.1	917.7	917.9	918.9	919.7	920.7	921.5
170°	924.7	923.7	923.4	923.1	922.8	922.5	922.8	923.7	924.6	925.5	926.4
172.5°	928.0	926.9	926.6	926.3	926.0	925.8	926.0	926.9	927.8	928.7	929.6
175°	931.5	930.5	930.1	929.8	929.5	929.3	929.6	930.7	931.7	932.7	933.8
177.5°	932.1	931.2	931.1	931.0	930.9	930.8	931.1	932.0	932.8	933.7	934.5
180°	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8



TEST NUMBER: P331348-830
 CATALOG NUMBER: SA2XXDIP-C675D725U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0
2.5°	1258.5	1260.5	1266.6	1272.7	1279.7	1281.6	1284.7	1282.0	1281.2	1288.5	1293.9
5°	1262.1	1270.7	1287.6	1303.0	1316.0	1325.1	1334.7	1338.6	1345.8	1355.8	1368.4
7.5°	1258.0	1274.9	1301.4	1323.7	1348.2	1365.8	1379.6	1391.3	1405.5	1424.7	1445.6
10°	1253.4	1276.0	1308.2	1335.7	1365.5	1388.1	1406.9	1425.1	1446.3	1472.8	1500.2
12.5°	1244.9	1271.8	1312.1	1344.5	1382.8	1405.0	1430.4	1469.8	1492.5	1529.4	1568.0
15°	1227.9	1257.7	1314.0	1354.0	1397.2	1439.6	1486.3	1523.8	1561.3	1583.0	1637.4
17.5°	1202.6	1246.4	1308.7	1355.3	1410.3	1477.1	1529.5	1572.0	1615.3	1650.5	1677.7
20°	1182.2	1229.8	1301.0	1356.9	1422.3	1493.9	1554.2	1597.4	1634.9	1664.3	1681.1
22.5°	1156.4	1216.4	1285.6	1351.0	1434.6	1505.5	1568.8	1602.8	1634.2	1648.5	1655.0
25°	1115.8	1188.0	1266.4	1346.2	1440.6	1515.6	1573.4	1594.0	1603.2	1589.2	1566.1
27.5°	1072.0	1152.4	1244.2	1337.2	1436.9	1509.1	1550.5	1547.2	1531.7	1486.6	1450.5
30°	1039.2	1127.8	1226.4	1327.9	1428.0	1498.3	1522.4	1498.3	1463.2	1412.7	1361.2
32.5°	1005.0	1096.6	1207.6	1314.8	1411.9	1473.7	1478.8	1437.5	1383.1	1325.7	1261.5
35°	953.2	1052.3	1172.1	1285.6	1377.5	1416.5	1393.5	1320.3	1255.8	1177.4	1089.8
37.5°	894.6	1004.0	1124.2	1242.8	1326.1	1336.2	1278.9	1201.9	1111.0	1018.8	915.8
40°	850.6	966.7	1090.3	1210.1	1283.7	1273.1	1200.0	1115.3	1007.0	894.5	798.7
42.5°	811.4	927.4	1053.3	1170.8	1229.8	1200.8	1115.3	1011.3	895.0	789.0	701.3
45°	743.4	862.7	991.6	1105.2	1138.9	1086.5	973.4	857.9	743.4	654.9	585.6
47.5°	677.4	795.3	923.0	1022.8	1034.7	964.2	840.7	721.8	623.4	551.3	502.4
50°	628.9	747.2	873.7	962.8	958.9	873.7	746.8	633.7	551.4	493.1	460.4
52.5°	585.4	697.2	818.7	899.7	879.3	786.4	665.2	564.8	497.1	451.6	422.0
55°	517.7	621.1	736.6	801.6	764.0	661.1	558.6	477.8	427.7	393.6	370.5
57.5°	450.5	547.5	646.4	686.5	645.0	549.9	464.4	405.8	368.2	342.9	327.8
60°	409.0	493.7	581.7	616.3	566.8	482.1	414.7	362.3	332.0	311.3	297.8
62.5°	367.4	443.3	526.3	545.2	499.8	428.2	368.5	325.0	300.0	281.6	269.0
65°	310.9	372.9	435.9	448.5	406.6	351.3	304.1	275.7	253.5	240.1	230.0
67.5°	255.0	304.7	349.4	359.5	322.8	284.5	250.4	225.6	210.7	199.4	191.0
70°	221.8	261.3	297.8	306.0	276.6	242.5	216.5	196.8	183.3	173.7	165.5
72.5°	186.8	219.7	250.1	255.6	231.6	205.6	184.2	168.7	156.7	150.6	142.8
75°	142.9	162.1	185.7	187.2	171.3	155.4	139.0	128.9	122.7	115.0	111.1
77.5°	100.9	115.9	129.4	132.1	122.6	111.8	102.6	94.7	89.4	85.9	82.3
80°	77.0	89.0	94.8	98.1	91.4	83.7	78.4	73.1	69.7	67.4	64.9
82.5°	55.0	62.5	67.9	70.4	66.8	62.2	56.8	53.9	51.3	49.3	48.4
85°	27.9	31.3	34.7	35.6	34.7	32.7	29.8	29.8	28.4	27.9	27.9
87.5°	10.1	12.0	12.3	13.8	13.3	13.5	13.8	13.7	13.5	13.2	13.0
90°	2.4	4.0	5.7	7.3	8.7	9.9	11.1	12.3	13.5	14.2	15.0
92.5°	13.5	13.3	13.2	13.0	13.3	13.9	14.4	15.1	15.6	16.0	16.4
95°	38.9	33.9	29.0	24.0	22.1	23.2	24.2	25.3	26.3	27.1	27.8
97.5°	73.0	59.1	45.1	31.2	25.4	27.9	30.3	32.8	35.2	35.8	36.4
100°	98.8	78.3	57.8	37.2	28.3	30.8	33.4	35.9	38.5	39.6	40.8
102.5°	150.6	146.3	141.9	137.5	124.7	103.4	82.1	60.8	39.5	41.1	42.6
105°	209.4	214.0	218.5	222.9	204.7	163.8	122.9	82.0	41.1	42.8	44.4
107.5°	265.6	269.3	272.9	276.5	253.8	204.7	155.7	106.6	57.6	55.9	54.2
110°	301.8	305.0	308.1	311.2	291.2	247.9	204.6	161.3	118.0	103.0	88.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	336.0	338.7	341.6	344.3	340.4	329.7	319.0	308.3	297.6	243.0	188.3
115°	390.2	392.8	395.3	397.8	401.1	404.7	408.5	412.3	416.0	346.7	277.3
117.5°	439.2	442.1	444.9	447.7	450.4	453.1	455.6	458.2	460.8	444.0	427.3
120°	474.2	476.5	478.7	481.0	483.4	486.2	488.8	491.5	494.2	496.0	497.9
122.5°	504.5	506.9	509.3	511.6	514.3	517.3	520.2	523.1	526.0	527.1	528.2
125°	550.1	552.0	554.0	555.9	558.4	561.2	564.0	566.8	569.8	570.8	571.8
127.5°	592.0	594.2	596.3	598.4	600.6	602.8	604.8	607.0	609.1	610.7	612.2
130°	618.7	621.0	623.4	625.8	627.8	629.5	631.1	632.8	634.4	636.1	637.7
132.5°	645.3	647.3	649.3	651.4	653.2	654.9	656.5	658.2	659.8	661.2	662.6
135°	680.7	683.1	685.5	687.9	689.8	691.1	692.4	693.8	695.1	696.6	698.1
137.5°	715.4	717.1	718.8	720.5	722.1	723.6	725.1	726.6	728.2	729.6	731.1
140°	738.1	739.3	740.6	741.7	743.2	744.8	746.5	748.1	749.8	751.1	752.4
142.5°	757.4	758.6	759.6	760.6	762.1	764.0	765.9	767.8	769.7	770.9	772.1
145°	786.6	786.6	786.4	786.3	787.4	789.9	792.5	795.0	797.6	798.7	799.7
147.5°	812.8	812.3	811.7	811.2	812.1	814.6	817.1	819.6	822.2	822.9	823.7
150°	829.6	828.6	827.6	826.4	827.2	829.5	831.9	834.3	836.7	837.6	838.5
152.5°	844.0	842.9	841.7	840.6	841.1	843.4	845.6	847.9	850.2	851.1	852.0
155°	865.1	863.7	862.3	861.0	861.2	863.0	864.8	866.6	868.4	869.3	870.2
157.5°	881.8	880.7	879.6	878.4	878.4	879.8	881.0	882.2	883.5	884.6	885.5
160°	891.7	890.9	889.9	889.1	889.1	889.9	890.9	891.7	892.7	893.6	894.5
162.5°	900.4	899.6	898.6	897.7	897.7	898.4	899.2	900.0	900.8	901.8	902.8
165°	912.0	911.2	910.2	909.3	909.1	909.6	910.0	910.4	910.9	911.9	912.9
167.5°	920.7	919.7	918.9	917.9	917.7	918.1	918.5	919.0	919.4	920.4	921.5
170°	925.5	924.6	923.7	922.8	922.5	922.8	923.1	923.4	923.7	924.7	925.8
172.5°	928.7	927.8	926.9	926.0	925.8	926.0	926.3	926.6	926.9	928.0	929.1
175°	932.7	931.7	930.7	929.6	929.3	929.5	929.8	930.1	930.5	931.5	932.6
177.5°	933.7	932.8	932.0	931.1	930.8	930.9	931.0	931.1	931.2	932.1	932.9
180°	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8	931.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0	1252.0
2.5°	1298.5	1303.9	1303.9	1304.7	1310.9	1310.0	1309.7
5°	1381.9	1390.1	1391.0	1399.7	1405.4	1403.5	1398.3
7.5°	1460.5	1475.7	1487.2	1493.6	1501.3	1506.0	1503.9
10°	1522.9	1545.0	1558.5	1567.6	1578.7	1586.9	1583.9
12.5°	1579.4	1605.8	1624.3	1639.9	1641.4	1651.9	1644.7
15°	1667.6	1695.5	1698.5	1710.1	1719.2	1718.2	1718.6
17.5°	1696.9	1705.8	1707.6	1707.9	1708.0	1704.6	1697.3
20°	1686.4	1683.1	1674.9	1668.7	1657.6	1656.1	1646.5
22.5°	1637.2	1626.5	1606.0	1592.4	1575.2	1570.7	1568.0
25°	1540.2	1516.6	1483.8	1452.6	1444.0	1427.1	1431.9
27.5°	1407.1	1370.4	1334.9	1309.5	1286.5	1261.3	1268.5
30°	1313.5	1272.1	1222.1	1183.6	1159.1	1135.0	1130.7
32.5°	1201.9	1141.3	1085.4	1051.6	1014.0	998.8	982.1
35°	1009.5	950.3	894.9	847.3	819.9	798.7	779.5
37.5°	836.3	768.2	723.6	684.9	665.2	653.0	656.1
40°	729.0	669.3	636.6	607.2	588.9	580.2	582.2
42.5°	642.0	597.3	570.3	550.3	537.3	532.5	531.4
45°	543.2	518.2	496.1	484.6	478.2	473.0	469.6
47.5°	475.9	455.4	443.0	436.1	430.6	425.3	425.2
50°	435.5	422.0	413.3	406.0	401.8	397.9	401.2
52.5°	404.6	392.3	383.7	377.2	375.6	372.1	372.0
55°	358.9	349.3	343.1	337.2	334.4	332.4	330.1
57.5°	317.4	308.2	302.5	298.8	293.3	291.3	290.6
60°	287.8	280.5	274.8	269.9	267.5	263.6	263.6
62.5°	260.4	253.2	247.8	244.1	240.2	238.7	239.0
65°	220.8	215.1	209.8	205.9	205.0	202.1	203.0
67.5°	184.5	180.6	175.0	173.0	171.1	169.6	168.4
70°	160.2	156.4	153.4	150.6	149.1	149.1	149.1
72.5°	139.8	135.2	133.5	129.8	130.6	129.1	127.6
75°	108.3	105.4	104.0	102.5	100.1	100.1	100.1
77.5°	79.6	78.8	77.1	75.5	74.9	74.5	74.6
80°	61.5	61.1	60.1	60.1	59.2	58.7	57.8
82.5°	47.3	46.1	45.5	45.1	45.0	44.9	44.7
85°	27.0	26.0	26.0	26.5	25.5	25.5	26.0
87.5°	13.6	13.7	13.4	13.5	13.9	13.6	13.7
90°	15.7	16.5	17.0	17.3	17.6	17.9	18.2
92.5°	16.8	17.2	17.5	17.6	17.8	18.0	18.2
95°	28.6	29.3	29.6	29.4	29.3	29.1	29.0
97.5°	36.9	37.6	38.0	38.2	38.4	38.5	38.7
100°	42.0	43.3	44.0	44.3	44.6	44.9	45.1
102.5°	44.2	45.7	46.8	47.1	47.6	48.0	48.4
105°	46.1	47.7	48.8	49.5	50.0	50.6	51.3
107.5°	52.5	50.9	50.3	50.9	51.6	52.1	52.7
110°	73.0	58.1	50.9	51.5	52.0	52.7	53.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	133.7	79.0	51.8	52.4	52.9	53.3	53.8
115°	207.9	138.6	98.4	87.7	76.8	66.1	55.3
117.5°	410.4	393.6	367.5	332.1	296.6	261.2	225.7
120°	499.6	501.4	492.2	471.9	451.8	431.5	411.3
122.5°	529.2	530.4	529.0	525.0	521.0	517.2	513.2
125°	572.9	573.9	574.7	575.1	575.6	576.0	576.5
127.5°	613.7	615.2	616.0	616.1	616.2	616.3	616.4
130°	639.4	641.0	641.8	641.7	641.5	641.3	641.2
132.5°	664.0	665.4	666.1	665.9	665.8	665.6	665.4
135°	699.6	701.2	701.7	701.4	701.2	700.8	700.5
137.5°	732.5	734.1	734.5	734.1	733.5	733.0	732.4
140°	753.8	755.2	755.4	754.7	753.9	753.2	752.4
142.5°	773.4	774.6	774.9	774.1	773.4	772.6	771.8
145°	800.8	801.8	801.9	801.3	800.5	799.7	799.0
147.5°	824.5	825.3	825.4	824.7	824.1	823.5	822.8
150°	839.4	840.3	840.4	839.6	838.9	838.1	837.4
152.5°	852.9	853.8	853.8	852.8	851.8	850.8	849.8
155°	871.1	872.0	871.9	870.6	869.5	868.3	867.0
157.5°	886.6	887.6	887.5	886.4	885.1	884.0	882.9
160°	895.4	896.3	896.2	895.1	894.1	893.1	892.0
162.5°	903.8	904.8	904.7	903.4	902.1	900.9	899.6
165°	914.1	915.1	915.1	914.1	912.9	911.9	910.9
167.5°	922.6	923.6	923.4	922.1	920.8	919.4	918.0
170°	926.8	927.9	927.7	926.4	925.0	923.7	922.4
172.5°	930.1	931.1	930.9	929.6	928.3	926.9	925.6
175°	933.6	934.6	934.4	932.9	931.4	929.9	928.4
177.5°	933.8	934.6	934.5	933.4	932.4	931.2	930.2
180°	931.8	931.8	931.8	931.8	931.8	931.8	931.8

(END OF REPORT)