

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: P331677-927

Luminaire Tested: **SA2XXRDIP-C675D330U927-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331677-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C675D330U927-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 330 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3025.4 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Direct

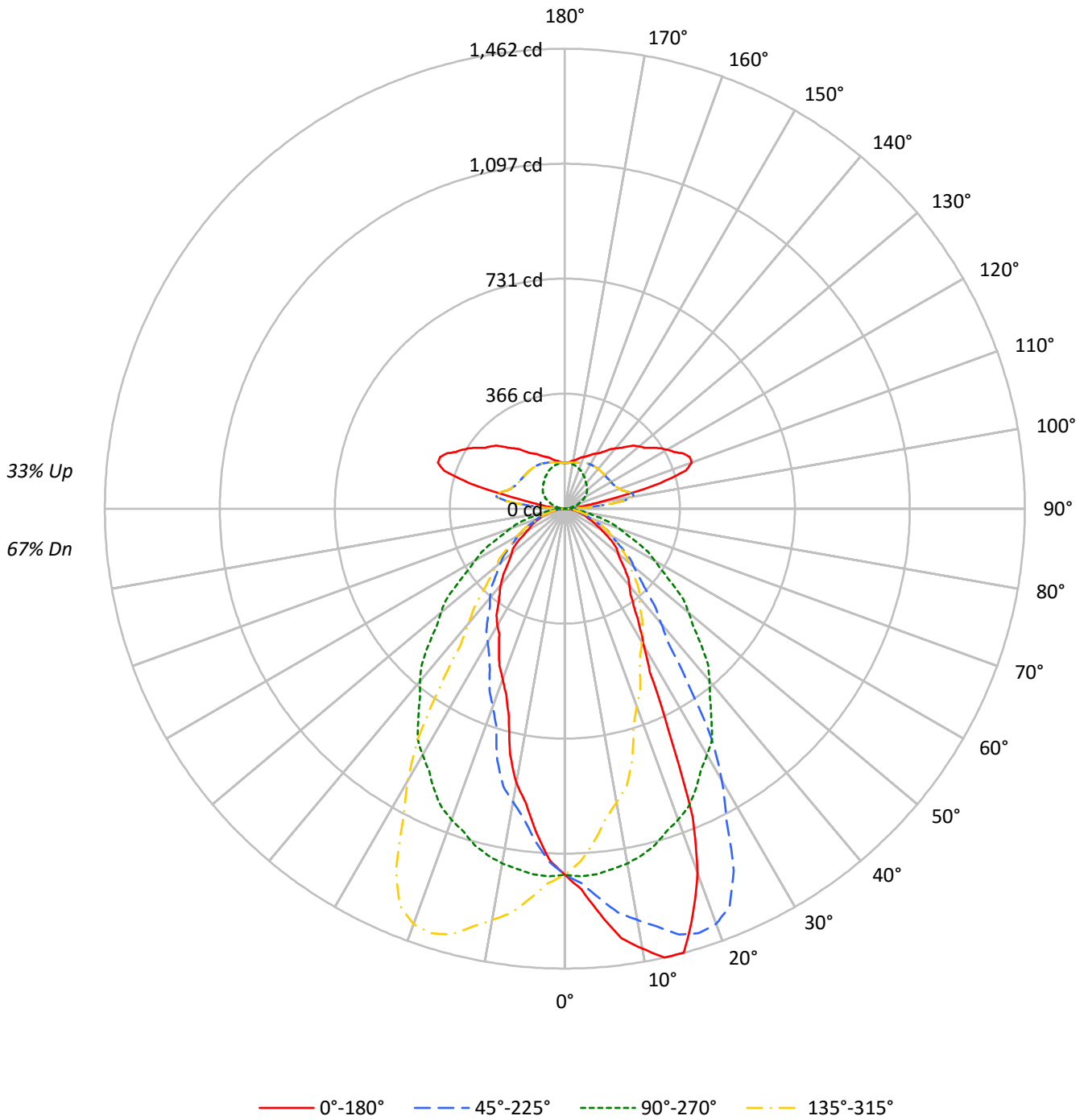
Input Watts (W): 35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331677-927

CATALOG NUMBER: SA2XXRDIP-C675D330U927-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P331677-927

CATALOG NUMBER: SA2XXRDIP-C675D330U927-4F0-1E-UDD-A4

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	111	111	111	111	105	105	105	105	93	93	93	81	81	81	71	71	71	67
1	102	98	95	92	96	93	90	87	83	80	78	73	72	70	65	63	62	58
2	94	87	82	77	89	83	78	73	74	70	67	66	63	60	58	56	54	50
3	87	78	71	65	82	74	68	63	66	61	57	59	55	52	53	50	47	44
4	80	70	62	56	75	66	59	54	60	54	50	54	49	46	48	45	42	39
5	74	63	55	49	70	60	53	48	54	48	44	49	44	41	44	40	37	35
6	69	57	49	44	65	54	47	42	49	44	39	45	40	36	40	36	34	31
7	64	52	44	39	60	50	43	38	45	39	35	41	36	33	37	33	30	28
8	60	48	40	35	56	46	39	34	42	36	32	38	33	30	34	31	28	26
9	56	44	37	32	53	42	35	31	39	33	29	35	31	27	32	28	25	23
10	53	41	34	29	50	39	33	28	36	30	27	33	28	25	30	26	23	22

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	18791	18791	18791	18791
5°	20985	18908	16765	18908
10°	23282	18775	14532	18775
15°	24428	18501	11450	18501
20°	21179	18093	9907	18093
25°	13890	17533	8845	17533
30°	9350	16858	8006	16858
35°	7571	16005	7222	16005
40°	6734	15076	6681	15076
45°	6094	13988	5966	13988
50°	5546	12911	5526	12911
55°	5213	11713	5146	11713
60°	4363	10618	4308	10618
65°	3679	9639	4172	9639
70°	3399	8611	3932	8611
75°	3175	7492	3631	7492
80°	2929	6165	3236	6165
85°	2705	4872	2853	4872



TEST NUMBER: P331677-927

CATALOG NUMBER: SA2XXRDIP-C675D330U927-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.3	3.6
10°-20°	307.4	10.2
20°-30°	396.1	13.1
30°-40°	376.4	12.4
40°-50°	322.5	10.7
50°-60°	245.6	8.1
60°-70°	155.2	5.1
70°-80°	77.5	2.6
80°-90°	21.5	0.7
90°-100°	58.2	1.9
100°-110°	197.5	6.5
110°-120°	209.8	6.9
120°-130°	172.7	5.7
130°-140°	138.7	4.6
140°-150°	104.8	3.5
150°-160°	73.7	2.4
160°-170°	43.4	1.4
170°-180°	14.1	0.5
0°-30°	813.8	26.9
0°-40°	1190.3	39.3
0°-60°	1758.3	58.1
0°-90°	2012.6	66.5
90°-120°	465.5	15.4
90°-150°	881.7	29.1
90°-180°	1013.0	33.5
0°-180°	3025.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1164	1164	1164	1164	1164	
5°	1295	1167	1034	1167	1295	128
15°	1461	1107	685	1107	1461	394
25°	780	984	496	984	780	370
35°	384	812	366	812	384	246
45°	267	613	261	613	267	207
55°	185	416	183	416	185	163
65°	96	252	109	252	96	98
75°	51	120	58	120	51	54
85°	15	26	15	26	15	16
90°	9	0	9	0	9	6
95°	32	10	32	10	32	41
105°	315	34	315	34	315	305
115°	415	60	415	60	415	406
125°	337	84	337	84	337	304
135°	279	98	279	98	279	217
145°	223	112	223	112	223	142
155°	187	128	187	128	187	87
165°	164	139	164	139	164	47
175°	148	145	148	145	148	14
180°	146	146	146	146	146	



TEST NUMBER: P331677-927

CATALOG NUMBER: SA2XXRDIP-C675D330U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1211.0	1212.0	1213.0	1210.7	1210.7	1208.7	1204.5	1201.3	1192.2	1191.0	1191.0
5°	1294.8	1294.0	1295.6	1290.4	1283.1	1281.4	1273.7	1263.7	1253.2	1241.4	1239.0
7.5°	1378.1	1376.9	1373.6	1372.8	1367.1	1354.9	1342.6	1329.4	1311.9	1294.9	1286.3
10°	1420.1	1433.5	1425.4	1411.3	1414.1	1395.1	1385.0	1367.6	1353.0	1327.5	1321.9
12.5°	1461.6	1466.8	1464.3	1456.2	1452.5	1439.4	1425.8	1410.6	1383.8	1360.9	1341.0
15°	1461.4	1469.1	1471.1	1468.7	1470.7	1469.9	1462.6	1450.1	1426.6	1401.5	1379.7
17.5°	1353.5	1358.8	1372.1	1381.1	1392.4	1416.3	1428.1	1432.7	1429.3	1415.0	1399.6
20°	1232.6	1223.6	1260.8	1279.8	1296.0	1336.4	1371.2	1384.6	1406.0	1405.6	1401.5
22.5°	1061.0	1063.2	1098.4	1121.0	1168.2	1208.6	1248.3	1298.5	1340.0	1367.4	1383.5
25°	779.7	795.0	830.2	860.9	913.5	988.7	1057.0	1136.3	1211.1	1270.1	1326.4
27.5°	585.5	586.7	614.6	642.9	674.1	735.8	821.8	916.5	1023.1	1111.1	1212.4
30°	501.5	499.0	510.7	528.1	554.8	602.5	667.2	760.3	866.6	999.2	1117.3
32.5°	441.9	442.0	450.9	463.7	485.9	518.1	562.4	637.9	738.5	868.9	1007.3
35°	384.1	383.7	390.2	399.5	408.8	429.4	459.8	499.4	568.5	690.2	831.8
37.5°	342.8	344.5	347.7	353.5	363.8	375.3	393.5	420.1	469.3	541.3	660.3
40°	319.5	320.3	324.7	329.5	335.6	344.5	359.5	380.9	416.9	474.4	561.3
42.5°	298.1	298.9	302.1	306.6	311.3	320.3	332.6	351.2	380.3	425.2	496.9
45°	266.9	266.9	269.7	271.7	277.0	285.1	295.2	310.5	330.8	363.9	411.6
47.5°	237.6	237.7	239.6	243.0	246.4	252.6	262.6	275.1	289.9	315.5	356.2
50°	220.8	221.2	222.4	225.2	227.3	232.9	240.6	251.5	266.9	286.7	320.7
52.5°	207.2	206.9	208.5	209.7	211.1	215.2	220.9	230.5	244.2	261.5	289.6
55°	185.2	183.5	186.0	188.1	189.3	190.8	194.1	200.2	211.9	226.5	247.5
57.5°	157.7	157.1	158.8	160.7	164.5	168.8	171.5	175.4	181.5	191.9	212.8
60°	135.1	135.1	138.7	139.9	144.3	150.0	155.7	158.9	165.0	171.8	187.2
62.5°	115.0	115.3	117.0	118.3	120.7	127.7	135.6	142.8	148.5	155.0	165.2
65°	96.3	97.0	97.0	97.8	99.5	101.1	104.3	110.0	120.1	129.4	137.0
67.5°	81.7	81.9	82.1	82.9	83.4	85.2	86.4	89.0	91.3	100.1	109.6
70°	72.0	73.2	72.8	73.6	74.0	74.8	76.4	77.6	81.3	83.3	89.0
72.5°	62.9	63.8	63.7	64.2	65.3	65.4	66.7	68.0	70.3	72.0	75.0
75°	50.9	50.5	50.9	51.7	52.1	52.6	52.6	54.2	55.4	57.0	59.0
77.5°	39.3	39.7	39.6	39.7	39.8	40.5	40.4	41.2	42.4	43.2	44.1
80°	31.5	31.9	31.5	31.9	32.3	32.7	32.3	32.7	34.0	34.8	34.8
82.5°	24.4	24.5	24.7	24.8	24.9	25.0	25.6	25.7	26.5	26.4	26.7
85°	14.6	14.2	14.2	14.2	14.6	15.0	14.6	14.6	15.0	15.0	15.0
87.5°	7.1	7.4	7.4	7.4	7.4	7.3	7.2	7.6	7.4	7.8	7.4
90°	9.3	9.3	9.3	9.3	9.3	9.0	8.4	9.0	9.3	9.5	9.3
92.5°	15.5	15.9	15.8	16.6	16.9	18.6	20.9	24.4	30.7	36.4	35.9
95°	31.9	31.6	32.5	34.7	38.3	44.5	56.2	73.4	96.0	109.7	97.1
97.5°	62.8	65.2	69.2	76.1	89.5	109.7	140.0	171.1	196.5	187.3	141.1
100°	100.2	105.3	113.4	125.4	148.6	182.5	220.9	255.6	261.4	221.1	152.3
102.5°	176.3	183.2	193.3	213.8	239.1	275.0	303.0	310.9	285.6	222.2	148.0
105°	315.4	319.3	331.4	348.7	366.1	375.3	371.7	340.1	281.9	207.4	139.7
107.5°	403.0	408.1	410.6	411.5	409.3	395.8	366.7	319.0	257.3	191.5	135.5
110°	429.4	429.7	427.1	421.8	409.8	386.8	351.0	300.9	241.9	183.9	134.7



TEST NUMBER: P331677-927

CATALOG NUMBER: SA2XXRDIP-C675D330U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	428.9	427.4	422.6	413.8	397.0	370.7	332.4	284.3	231.1	179.0	134.8
115°	415.1	412.6	405.3	392.4	372.6	343.7	307.0	264.0	217.8	173.6	136.0
117.5°	390.4	388.2	380.6	367.0	346.7	319.7	286.5	248.6	209.4	170.9	138.1
120°	374.5	371.7	363.6	350.5	330.8	305.4	275.7	241.0	204.9	169.4	139.4
122.5°	357.9	355.6	348.4	335.4	317.8	294.9	266.7	235.0	201.1	168.4	140.9
125°	336.8	334.5	327.5	316.9	300.6	279.6	255.0	226.2	195.7	166.8	143.3
127.5°	318.1	316.3	310.3	300.3	286.1	266.8	243.6	217.5	190.6	165.9	145.7
130°	307.6	305.4	299.8	290.3	276.6	258.1	236.0	211.9	187.3	165.4	147.5
132.5°	296.7	294.6	289.5	280.0	266.5	249.1	228.8	206.5	184.6	165.2	149.3
135°	279.1	278.0	272.9	263.6	251.6	236.0	217.5	199.0	180.8	164.9	151.5
137.5°	261.8	260.2	255.7	247.8	236.8	223.2	208.5	193.1	178.2	164.8	153.4
140°	249.9	248.3	244.1	236.8	227.8	215.6	202.6	189.2	176.6	164.6	154.2
142.5°	238.1	237.7	234.0	227.4	218.9	208.6	197.5	186.1	175.1	164.6	154.9
145°	222.8	222.0	219.2	214.4	207.7	199.6	190.9	181.6	173.0	164.0	155.6
147.5°	210.0	209.5	207.6	203.7	198.2	192.3	185.5	178.2	170.9	163.0	155.8
150°	202.4	202.1	200.4	197.0	192.8	187.8	182.0	175.8	169.1	162.3	155.6
152.5°	195.9	195.8	194.6	191.7	188.4	184.0	179.0	173.3	167.5	161.2	155.2
155°	187.3	187.8	186.7	184.7	181.6	178.6	174.4	169.9	164.6	159.2	154.5
157.5°	179.9	179.9	179.4	177.8	175.6	173.2	169.7	166.0	161.8	157.2	153.2
160°	175.2	175.2	174.9	173.6	171.6	169.6	166.5	163.4	159.8	155.9	152.6
162.5°	170.7	171.0	170.7	169.8	167.8	166.3	163.7	161.0	158.0	154.8	151.9
165°	164.3	164.6	164.6	163.4	162.3	161.2	159.2	157.3	155.0	152.6	150.6
167.5°	158.4	158.7	158.8	158.1	157.6	156.6	155.3	153.8	152.2	150.6	149.3
170°	154.8	155.3	155.6	154.8	154.5	153.9	152.8	152.0	150.6	149.5	148.6
172.5°	151.9	152.2	152.5	152.1	151.8	151.5	150.6	150.0	149.0	148.1	147.7
175°	148.1	148.6	148.9	148.6	148.6	148.4	148.1	147.8	146.9	146.6	146.4
177.5°	145.8	146.2	146.5	146.5	146.5	146.5	146.2	146.2	145.8	145.5	145.8
180°	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5



TEST NUMBER: P331677-927

CATALOG NUMBER: SA2XXRDIP-C675D330U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1191.6	1189.0	1186.8	1180.9	1178.1	1171.6	1170.6	1170.3	1161.8	1153.7	1151.5
5°	1232.6	1226.1	1216.3	1205.0	1193.3	1181.1	1173.1	1166.6	1150.4	1135.0	1126.2
7.5°	1273.7	1259.9	1243.1	1221.7	1203.8	1183.8	1168.9	1155.6	1132.6	1110.6	1095.7
10°	1304.5	1281.8	1259.6	1230.1	1207.0	1184.4	1163.4	1145.2	1119.3	1090.2	1069.5
12.5°	1323.6	1298.7	1268.0	1239.1	1209.3	1180.5	1152.4	1129.0	1098.6	1068.5	1044.0
15°	1349.4	1322.7	1285.5	1244.3	1205.9	1168.2	1135.9	1106.8	1067.1	1031.2	1001.2
17.5°	1370.5	1333.8	1293.8	1246.1	1201.7	1153.8	1112.1	1075.0	1030.9	987.5	952.2
20°	1377.3	1340.9	1294.8	1247.1	1194.5	1138.3	1093.4	1053.0	1005.7	958.4	917.9
22.5°	1373.1	1344.8	1293.5	1236.4	1182.6	1123.7	1073.0	1026.1	973.7	925.3	878.5
25°	1344.6	1334.8	1286.3	1224.0	1162.6	1094.2	1035.6	984.2	924.4	872.7	821.7
27.5°	1277.9	1298.9	1268.8	1202.5	1134.2	1060.9	995.0	936.5	874.4	816.2	765.4
30°	1213.9	1262.0	1249.1	1187.6	1111.2	1039.3	965.3	904.2	837.9	778.0	727.9
32.5°	1126.2	1205.8	1218.4	1167.0	1087.9	1008.8	931.3	870.5	801.3	738.2	689.4
35°	986.7	1105.6	1160.2	1127.4	1048.1	962.8	882.7	812.0	742.4	680.2	631.6
37.5°	820.1	982.1	1073.0	1075.4	1002.6	913.9	826.7	756.5	685.2	624.1	571.6
40°	712.1	887.6	1006.1	1032.4	970.9	875.0	786.9	715.3	645.8	585.9	525.7
42.5°	615.1	789.9	935.6	981.3	932.4	837.2	748.8	673.9	606.3	549.7	488.1
45°	497.4	650.2	810.8	892.5	865.4	777.2	683.8	612.6	549.1	500.2	441.2
47.5°	419.5	527.3	682.6	793.1	792.7	712.2	620.3	552.2	493.3	447.4	399.6
50°	375.3	469.1	600.5	725.9	736.3	668.8	581.5	514.0	459.0	410.8	372.4
52.5°	335.5	412.8	530.9	651.1	681.0	622.6	537.8	475.5	422.1	377.9	344.9
55°	283.4	343.3	433.1	545.5	590.8	549.5	474.4	416.1	372.8	335.6	307.3
57.5°	239.8	284.7	356.7	447.3	499.9	474.0	411.9	364.6	327.6	294.0	271.6
60°	212.3	249.1	310.1	385.8	444.0	425.8	372.8	328.8	297.2	268.1	247.1
62.5°	186.4	218.0	270.4	331.8	385.2	377.6	334.3	297.4	269.7	243.2	225.4
65°	150.0	173.1	213.9	262.1	304.9	308.6	277.4	252.3	227.7	206.6	190.8
67.5°	119.5	134.5	163.3	203.8	235.9	247.4	228.4	209.2	189.6	173.4	159.7
70°	100.7	112.8	133.9	166.6	196.1	208.3	197.3	182.4	165.4	152.0	140.3
72.5°	81.6	93.4	108.9	132.9	158.3	171.3	167.5	156.9	143.1	132.0	120.9
75°	61.5	65.1	75.7	91.8	111.6	122.9	125.8	120.1	109.2	100.7	94.2
77.5°	45.5	47.6	52.7	61.2	74.1	84.2	88.3	87.7	80.2	75.2	69.2
80°	36.4	37.6	40.0	43.6	53.4	63.5	66.3	66.3	61.1	59.0	53.0
82.5°	27.6	28.5	30.0	32.0	36.5	45.4	48.6	49.2	45.9	43.2	38.4
85°	15.8	15.4	16.2	17.3	18.2	20.6	25.5	26.3	25.5	22.3	21.0
87.5°	7.1	7.0	6.7	6.2	6.4	6.6	8.0	9.4	8.3	7.5	7.1
90°	7.5	5.6	4.2	3.3	2.8	2.2	1.1	0.3	1.1	2.2	2.8
92.5°	28.0	19.0	12.7	10.1	8.2	7.0	4.9	3.4	4.9	7.0	8.2
95°	64.6	40.3	27.4	20.7	16.2	13.7	10.9	9.8	10.9	13.7	16.2
97.5°	87.1	53.2	37.0	29.4	24.2	20.4	17.4	15.9	17.4	20.4	24.2
100°	91.8	57.7	42.9	35.0	29.4	24.9	22.4	21.5	22.4	24.9	29.4
102.5°	92.1	61.7	48.0	40.2	34.3	29.9	27.3	26.7	27.3	29.9	34.3
105°	93.5	68.6	55.5	47.6	41.4	37.2	35.3	34.1	35.3	37.2	41.4
107.5°	97.4	75.7	62.9	55.0	48.9	45.0	43.1	42.2	43.1	45.0	48.9
110°	100.4	80.3	68.0	59.9	54.0	50.4	48.7	47.6	48.7	50.4	54.0



TEST NUMBER: P331677-927

CATALOG NUMBER: SA2XXRDIP-C675D330U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	103.9	84.8	73.0	64.6	58.9	55.5	53.6	52.5	53.6	55.5	58.9
115°	108.8	91.8	79.8	72.2	66.6	63.3	61.6	60.2	61.6	63.3	66.6
117.5°	114.2	98.2	87.1	79.3	73.9	70.9	69.2	68.1	69.2	70.9	73.9
120°	117.9	102.7	91.8	84.0	78.3	75.9	74.1	73.0	74.1	75.9	78.3
122.5°	121.0	106.9	96.7	88.6	83.1	80.3	78.7	77.8	78.7	80.3	83.1
125°	126.0	113.4	103.3	95.5	89.8	86.5	84.8	84.0	84.8	86.5	89.8
127.5°	130.6	119.3	109.5	101.4	96.1	92.4	90.0	88.9	90.0	92.4	96.1
130°	133.5	122.9	113.0	105.3	99.7	95.7	92.9	91.8	92.9	95.7	99.7
132.5°	136.4	126.0	116.7	108.8	103.0	98.9	95.9	94.5	95.9	98.9	103.0
135°	140.2	130.5	121.4	113.7	107.2	103.0	99.7	98.5	99.7	103.0	107.2
137.5°	143.1	134.0	125.2	117.9	111.5	107.0	103.7	102.3	103.7	107.0	111.5
140°	144.7	136.0	127.6	120.3	114.2	109.7	106.4	105.3	106.4	109.7	114.2
142.5°	146.1	137.6	129.4	122.6	116.7	112.2	109.1	108.1	109.1	112.2	116.7
145°	147.8	140.0	132.4	126.3	120.6	116.5	113.7	112.5	113.7	116.5	120.6
147.5°	148.8	141.9	134.8	129.3	124.6	120.7	118.0	117.2	118.0	120.7	124.6
150°	149.2	142.8	136.3	131.3	127.1	123.4	121.2	120.3	121.2	123.4	127.1
152.5°	149.4	143.6	137.8	133.3	129.3	126.1	123.9	123.5	123.9	126.1	129.3
155°	149.7	145.0	140.2	136.0	132.9	129.8	128.2	127.9	128.2	129.8	132.9
157.5°	149.7	145.9	141.9	138.4	135.9	133.2	131.9	131.6	131.9	133.2	135.9
160°	149.7	146.4	143.1	140.0	137.7	135.5	134.4	134.0	134.4	135.5	137.7
162.5°	149.5	146.6	143.7	141.3	139.3	137.5	136.3	136.6	136.3	137.5	139.3
165°	148.9	146.9	144.4	142.8	141.3	139.7	139.1	139.4	139.1	139.7	141.3
167.5°	148.5	146.9	145.0	144.0	143.0	141.9	141.4	141.7	141.4	141.9	143.0
170°	148.1	146.6	145.3	144.4	143.9	143.1	142.8	143.3	142.8	143.1	143.9
172.5°	147.4	146.5	145.5	144.9	144.6	143.7	143.9	144.2	143.9	143.7	144.6
175°	146.6	146.1	145.5	145.3	145.3	144.7	145.0	145.3	145.0	144.7	145.3
177.5°	146.2	145.8	145.5	145.5	145.5	145.1	145.3	145.8	145.3	145.1	145.5
180°	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5



TEST NUMBER: P331677-927

CATALOG NUMBER: SA2XXRDIP-C675D330U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1147.3	1145.0	1140.8	1134.3	1130.4	1123.6	1119.1	1121.7	1122.4	1121.7	1121.1
5°	1116.5	1107.9	1096.2	1084.9	1074.4	1063.1	1056.6	1053.8	1048.1	1044.9	1043.3
7.5°	1079.2	1064.5	1048.0	1028.3	1011.5	994.0	985.0	980.5	968.9	962.7	957.1
10°	1051.4	1028.3	1011.8	985.9	970.1	947.1	931.3	931.7	915.9	907.0	900.6
12.5°	1020.6	995.3	967.7	944.4	922.5	904.0	885.0	877.3	860.5	852.0	834.6
15°	969.7	940.2	911.1	879.5	857.3	828.5	801.1	767.5	740.4	716.9	710.5
17.5°	914.0	877.5	848.3	811.3	773.2	724.8	693.0	673.5	657.2	644.8	635.6
20°	875.8	838.7	807.6	751.7	700.4	667.7	644.2	629.2	612.2	598.9	591.6
22.5°	835.8	796.9	754.5	692.2	652.2	625.9	605.0	587.8	576.3	565.9	559.3
25°	778.8	736.3	666.4	623.5	591.2	563.7	549.1	538.6	526.5	512.3	505.9
27.5°	718.7	651.1	600.9	569.0	538.1	520.2	507.2	491.5	480.6	474.3	467.5
30°	673.7	606.2	567.0	532.2	510.3	490.5	475.2	466.3	455.7	444.8	440.4
32.5°	623.5	569.6	532.0	503.0	480.9	464.0	451.9	437.4	429.8	423.1	413.8
35°	561.3	520.5	486.1	462.6	441.6	427.9	413.7	405.2	391.4	385.8	382.1
37.5°	508.5	473.1	447.5	422.7	406.1	390.9	382.2	368.7	362.7	354.9	347.2
40°	478.8	444.0	419.3	399.1	380.5	369.2	358.3	347.4	338.4	334.9	325.5
42.5°	448.4	420.1	395.4	373.2	360.8	348.8	335.0	327.0	317.7	311.9	306.1
45°	406.4	381.4	360.3	342.1	328.4	315.8	306.9	293.6	288.4	276.6	271.7
47.5°	369.6	346.2	326.1	308.9	295.4	287.2	274.3	263.8	255.4	248.2	242.0
50°	343.3	323.9	304.5	289.1	277.0	265.3	251.9	246.7	233.7	230.0	226.5
52.5°	319.4	301.0	283.1	268.1	256.0	244.5	232.8	225.9	217.2	213.6	211.0
55°	285.9	268.1	251.1	237.7	225.6	213.9	206.6	198.1	194.1	191.2	188.1
57.5°	252.2	236.2	223.2	209.7	197.5	188.2	179.7	174.7	170.5	166.8	162.9
60°	230.9	215.6	203.8	191.2	178.7	171.0	164.6	158.5	153.7	148.0	146.4
62.5°	208.3	194.8	184.1	171.8	161.0	153.9	147.7	142.0	136.2	127.9	125.6
65°	177.1	166.6	155.3	145.2	135.5	128.6	119.7	113.2	110.8	110.0	109.6
67.5°	149.0	139.0	129.3	119.0	110.1	103.8	99.3	98.2	96.6	96.1	95.0
70°	130.2	120.9	111.2	101.5	93.0	91.8	90.2	88.6	86.5	85.7	84.9
72.5°	113.4	103.8	94.0	86.3	82.6	81.1	79.5	77.9	76.5	75.7	75.2
75°	86.9	78.0	71.6	68.8	66.7	65.5	63.1	61.9	61.1	59.8	59.4
77.5°	62.6	57.6	54.6	52.8	50.7	49.4	48.0	46.8	45.9	45.7	45.1
80°	47.7	45.3	43.3	40.9	40.0	38.4	38.0	36.8	37.2	36.0	36.0
82.5°	37.1	34.0	32.2	31.1	30.3	29.1	28.6	28.0	28.1	27.3	27.3
85°	19.0	18.2	17.3	16.6	16.6	15.4	15.8	15.4	15.4	14.6	14.2
87.5°	6.8	6.7	6.3	6.7	7.1	6.7	6.7	6.3	6.2	6.3	6.0
90°	3.3	4.2	5.6	7.5	9.3	9.5	9.3	9.0	8.4	9.0	9.3
92.5°	10.1	12.7	19.0	28.0	35.9	36.4	30.7	24.4	20.9	18.6	16.9
95°	20.7	27.4	40.3	64.6	97.1	109.7	96.0	73.4	56.2	44.5	38.3
97.5°	29.4	37.0	53.2	87.1	141.1	187.3	196.5	171.1	140.0	109.7	89.5
100°	35.0	42.9	57.7	91.8	152.3	221.1	261.4	255.6	220.9	182.5	148.6
102.5°	40.2	48.0	61.7	92.1	148.0	222.2	285.6	310.9	303.0	275.0	239.1
105°	47.6	55.5	68.6	93.5	139.7	207.4	281.9	340.1	371.7	375.3	366.1
107.5°	55.0	62.9	75.7	97.4	135.5	191.5	257.3	319.0	366.7	395.8	409.3
110°	59.9	68.0	80.3	100.4	134.7	183.9	241.9	300.9	351.0	386.8	409.8



TEST NUMBER: P331677-927

CATALOG NUMBER: SA2XXRDIP-C675D330U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	64.6	73.0	84.8	103.9	134.8	179.0	231.1	284.3	332.4	370.7	397.0
115°	72.2	79.8	91.8	108.8	136.0	173.6	217.8	264.0	307.0	343.7	372.6
117.5°	79.3	87.1	98.2	114.2	138.1	170.9	209.4	248.6	286.5	319.7	346.7
120°	84.0	91.8	102.7	117.9	139.4	169.4	204.9	241.0	275.7	305.4	330.8
122.5°	88.6	96.7	106.9	121.0	140.9	168.4	201.1	235.0	266.7	294.9	317.8
125°	95.5	103.3	113.4	126.0	143.3	166.8	195.7	226.2	255.0	279.6	300.6
127.5°	101.4	109.5	119.3	130.6	145.7	165.9	190.6	217.5	243.6	266.8	286.1
130°	105.3	113.0	122.9	133.5	147.5	165.4	187.3	211.9	236.0	258.1	276.6
132.5°	108.8	116.7	126.0	136.4	149.3	165.2	184.6	206.5	228.8	249.1	266.5
135°	113.7	121.4	130.5	140.2	151.5	164.9	180.8	199.0	217.5	236.0	251.6
137.5°	117.9	125.2	134.0	143.1	153.4	164.8	178.2	193.1	208.5	223.2	236.8
140°	120.3	127.6	136.0	144.7	154.2	164.6	176.6	189.2	202.6	215.6	227.8
142.5°	122.6	129.4	137.6	146.1	154.9	164.6	175.1	186.1	197.5	208.6	218.9
145°	126.3	132.4	140.0	147.8	155.6	164.0	173.0	181.6	190.9	199.6	207.7
147.5°	129.3	134.8	141.9	148.8	155.8	163.0	170.9	178.2	185.5	192.3	198.2
150°	131.3	136.3	142.8	149.2	155.6	162.3	169.1	175.8	182.0	187.8	192.8
152.5°	133.3	137.8	143.6	149.4	155.2	161.2	167.5	173.3	179.0	184.0	188.4
155°	136.0	140.2	145.0	149.7	154.5	159.2	164.6	169.9	174.4	178.6	181.6
157.5°	138.4	141.9	145.9	149.7	153.2	157.2	161.8	166.0	169.7	173.2	175.6
160°	140.0	143.1	146.4	149.7	152.6	155.9	159.8	163.4	166.5	169.6	171.6
162.5°	141.3	143.7	146.6	149.5	151.9	154.8	158.0	161.0	163.7	166.3	167.8
165°	142.8	144.4	146.9	148.9	150.6	152.6	155.0	157.3	159.2	161.2	162.3
167.5°	144.0	145.0	146.9	148.5	149.3	150.6	152.2	153.8	155.3	156.6	157.6
170°	144.4	145.3	146.6	148.1	148.6	149.5	150.6	152.0	152.8	153.9	154.5
172.5°	144.9	145.5	146.5	147.4	147.7	148.1	149.0	150.0	150.6	151.5	151.8
175°	145.3	145.5	146.1	146.6	146.4	146.6	146.9	147.8	148.1	148.4	148.6
177.5°	145.5	145.5	145.8	146.2	145.8	145.5	145.8	146.2	146.2	146.5	146.5
180°	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5



TEST NUMBER: P331677-927

CATALOG NUMBER: SA2XXRDIP-C675D330U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1117.5	1118.2	1117.2	1117.8	1117.2	1118.2	1117.5	1121.1	1121.7	1122.4	1121.7
5°	1041.2	1036.4	1035.6	1034.4	1035.6	1036.4	1041.2	1043.3	1044.9	1048.1	1053.8
7.5°	950.2	949.4	947.5	944.6	947.5	949.4	950.2	957.1	962.7	968.9	980.5
10°	891.6	889.6	889.2	886.4	889.2	889.6	891.6	900.6	907.0	915.9	931.7
12.5°	823.1	810.0	808.7	801.6	808.7	810.0	823.1	834.6	852.0	860.5	877.3
15°	700.8	698.4	690.2	685.0	690.2	698.4	700.8	710.5	716.9	740.4	767.5
17.5°	630.9	623.0	620.4	619.3	620.4	623.0	630.9	635.6	644.8	657.2	673.5
20°	585.9	578.7	577.4	576.6	577.4	578.7	585.9	591.6	598.9	612.2	629.2
22.5°	554.8	547.2	544.2	541.7	544.2	547.2	554.8	559.3	565.9	576.3	587.8
25°	501.8	499.0	497.4	496.5	497.4	499.0	501.8	505.9	512.3	526.5	538.6
27.5°	460.3	454.1	452.9	450.8	452.9	454.1	460.3	467.5	474.3	480.6	491.5
30°	436.7	434.7	431.9	429.4	431.9	434.7	436.7	440.4	444.8	455.7	466.3
32.5°	408.9	407.2	404.7	403.5	404.7	407.2	408.9	413.8	423.1	429.8	437.4
35°	378.1	372.4	370.0	366.4	370.0	372.4	378.1	382.1	385.8	391.4	405.2
37.5°	345.5	342.5	339.1	340.3	339.1	342.5	345.5	347.2	354.9	362.7	368.7
40°	320.3	318.2	317.4	317.0	317.4	318.2	320.3	325.5	334.9	338.4	347.4
42.5°	300.2	294.6	292.6	292.5	292.6	294.6	300.2	306.1	311.9	317.7	327.0
45°	269.7	264.4	260.8	261.3	260.8	264.4	269.7	271.7	276.6	288.4	293.6
47.5°	238.5	238.4	236.1	236.8	236.1	238.4	238.5	242.0	248.2	255.4	263.8
50°	223.6	221.2	219.6	220.0	219.6	221.2	223.6	226.5	230.0	233.7	246.7
52.5°	209.4	207.3	206.0	207.7	206.0	207.3	209.4	211.0	213.6	217.2	225.9
55°	186.0	183.5	183.2	182.8	183.2	183.5	186.0	188.1	191.2	194.1	198.1
57.5°	159.9	158.3	155.8	154.8	155.8	158.3	159.9	162.9	166.8	170.5	174.7
60°	141.1	137.9	133.9	133.4	133.9	137.9	141.1	146.4	148.0	153.7	158.5
62.5°	124.0	123.3	122.6	122.5	122.6	123.3	124.0	125.6	127.9	136.2	142.0
65°	108.8	108.4	108.8	109.2	108.8	108.4	108.8	109.6	110.0	110.8	113.2
67.5°	94.8	94.0	93.3	93.6	93.3	94.0	94.8	95.0	96.1	96.6	98.2
70°	84.1	83.7	83.3	83.3	83.3	83.7	84.1	84.9	85.7	86.5	88.6
72.5°	73.8	73.7	73.3	73.0	73.3	73.7	73.8	75.2	75.7	76.5	77.9
75°	59.0	58.2	58.2	58.2	58.2	58.2	59.0	59.4	59.8	61.1	61.9
77.5°	45.0	44.6	44.1	43.8	44.1	44.6	45.0	45.1	45.7	45.9	46.8
80°	35.6	35.2	34.8	34.8	34.8	35.2	35.6	36.0	36.0	37.2	36.8
82.5°	27.2	26.8	26.7	26.4	26.7	26.8	27.2	27.3	27.3	28.1	28.0
85°	14.6	15.0	14.6	15.4	14.6	15.0	14.6	14.2	14.6	15.4	15.4
87.5°	6.0	5.7	6.0	5.7	6.0	5.7	6.0	6.0	6.3	6.2	6.3
90°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.0	8.4	9.0
92.5°	16.6	15.8	15.9	15.5	15.9	15.8	16.6	16.9	18.6	20.9	24.4
95°	34.7	32.5	31.6	31.9	31.6	32.5	34.7	38.3	44.5	56.2	73.4
97.5°	76.1	69.2	65.2	62.8	65.2	69.2	76.1	89.5	109.7	140.0	171.1
100°	125.4	113.4	105.3	100.2	105.3	113.4	125.4	148.6	182.5	220.9	255.6
102.5°	213.8	193.3	183.2	176.3	183.2	193.3	213.8	239.1	275.0	303.0	310.9
105°	348.7	331.4	319.3	315.4	319.3	331.4	348.7	366.1	375.3	371.7	340.1
107.5°	411.5	410.6	408.1	403.0	408.1	410.6	411.5	409.3	395.8	366.7	319.0
110°	421.8	427.1	429.7	429.4	429.7	427.1	421.8	409.8	386.8	351.0	300.9



TEST NUMBER: P331677-927

CATALOG NUMBER: SA2XXRDIP-C675D330U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	413.8	422.6	427.4	428.9	427.4	422.6	413.8	397.0	370.7	332.4	284.3
115°	392.4	405.3	412.6	415.1	412.6	405.3	392.4	372.6	343.7	307.0	264.0
117.5°	367.0	380.6	388.2	390.4	388.2	380.6	367.0	346.7	319.7	286.5	248.6
120°	350.5	363.6	371.7	374.5	371.7	363.6	350.5	330.8	305.4	275.7	241.0
122.5°	335.4	348.4	355.6	357.9	355.6	348.4	335.4	317.8	294.9	266.7	235.0
125°	316.9	327.5	334.5	336.8	334.5	327.5	316.9	300.6	279.6	255.0	226.2
127.5°	300.3	310.3	316.3	318.1	316.3	310.3	300.3	286.1	266.8	243.6	217.5
130°	290.3	299.8	305.4	307.6	305.4	299.8	290.3	276.6	258.1	236.0	211.9
132.5°	280.0	289.5	294.6	296.7	294.6	289.5	280.0	266.5	249.1	228.8	206.5
135°	263.6	272.9	278.0	279.1	278.0	272.9	263.6	251.6	236.0	217.5	199.0
137.5°	247.8	255.7	260.2	261.8	260.2	255.7	247.8	236.8	223.2	208.5	193.1
140°	236.8	244.1	248.3	249.9	248.3	244.1	236.8	227.8	215.6	202.6	189.2
142.5°	227.4	234.0	237.7	238.1	237.7	234.0	227.4	218.9	208.6	197.5	186.1
145°	214.4	219.2	222.0	222.8	222.0	219.2	214.4	207.7	199.6	190.9	181.6
147.5°	203.7	207.6	209.5	210.0	209.5	207.6	203.7	198.2	192.3	185.5	178.2
150°	197.0	200.4	202.1	202.4	202.1	200.4	197.0	192.8	187.8	182.0	175.8
152.5°	191.7	194.6	195.8	195.9	195.8	194.6	191.7	188.4	184.0	179.0	173.3
155°	184.7	186.7	187.8	187.3	187.8	186.7	184.7	181.6	178.6	174.4	169.9
157.5°	177.8	179.4	179.9	179.9	179.9	179.4	177.8	175.6	173.2	169.7	166.0
160°	173.6	174.9	175.2	175.2	175.2	174.9	173.6	171.6	169.6	166.5	163.4
162.5°	169.8	170.7	171.0	170.7	171.0	170.7	169.8	167.8	166.3	163.7	161.0
165°	163.4	164.6	164.6	164.3	164.6	164.6	163.4	162.3	161.2	159.2	157.3
167.5°	158.1	158.8	158.7	158.4	158.7	158.8	158.1	157.6	156.6	155.3	153.8
170°	154.8	155.6	155.3	154.8	155.3	155.6	154.8	154.5	153.9	152.8	152.0
172.5°	152.1	152.5	152.2	151.9	152.2	152.5	152.1	151.8	151.5	150.6	150.0
175°	148.6	148.9	148.6	148.1	148.6	148.9	148.6	148.6	148.4	148.1	147.8
177.5°	146.5	146.5	146.2	145.8	146.2	146.5	146.5	146.5	146.5	146.2	146.2
180°	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5



TEST NUMBER: P331677-927

CATALOG NUMBER: SA2XXRDIP-C675D330U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1119.1	1123.6	1130.4	1134.3	1140.8	1145.0	1147.3	1151.5	1153.7	1161.8	1170.3
5°	1056.6	1063.1	1074.4	1084.9	1096.2	1107.9	1116.5	1126.2	1135.0	1150.4	1166.6
7.5°	985.0	994.0	1011.5	1028.3	1048.0	1064.5	1079.2	1095.7	1110.6	1132.6	1155.6
10°	931.3	947.1	970.1	985.9	1011.8	1028.3	1051.4	1069.5	1090.2	1119.3	1145.2
12.5°	885.0	904.0	922.5	944.4	967.7	995.3	1020.6	1044.0	1068.5	1098.6	1129.0
15°	801.1	828.5	857.3	879.5	911.1	940.2	969.7	1001.2	1031.2	1067.1	1106.8
17.5°	693.0	724.8	773.2	811.3	848.3	877.5	914.0	952.2	987.5	1030.9	1075.0
20°	644.2	667.7	700.4	751.7	807.6	838.7	875.8	917.9	958.4	1005.7	1053.0
22.5°	605.0	625.9	652.2	692.2	754.5	796.9	835.8	878.5	925.3	973.7	1026.1
25°	549.1	563.7	591.2	623.5	666.4	736.3	778.8	821.7	872.7	924.4	984.2
27.5°	507.2	520.2	538.1	569.0	600.9	651.1	718.7	765.4	816.2	874.4	936.5
30°	475.2	490.5	510.3	532.2	567.0	606.2	673.7	727.9	778.0	837.9	904.2
32.5°	451.9	464.0	480.9	503.0	532.0	569.6	623.5	689.4	738.2	801.3	870.5
35°	413.7	427.9	441.6	462.6	486.1	520.5	561.3	631.6	680.2	742.4	812.0
37.5°	382.2	390.9	406.1	422.7	447.5	473.1	508.5	571.6	624.1	685.2	756.5
40°	358.3	369.2	380.5	399.1	419.3	444.0	478.8	525.7	585.9	645.8	715.3
42.5°	335.0	348.8	360.8	373.2	395.4	420.1	448.4	488.1	549.7	606.3	673.9
45°	306.9	315.8	328.4	342.1	360.3	381.4	406.4	441.2	500.2	549.1	612.6
47.5°	274.3	287.2	295.4	308.9	326.1	346.2	369.6	399.6	447.4	493.3	552.2
50°	251.9	265.3	277.0	289.1	304.5	323.9	343.3	372.4	410.8	459.0	514.0
52.5°	232.8	244.5	256.0	268.1	283.1	301.0	319.4	344.9	377.9	422.1	475.5
55°	206.6	213.9	225.6	237.7	251.1	268.1	285.9	307.3	335.6	372.8	416.1
57.5°	179.7	188.2	197.5	209.7	223.2	236.2	252.2	271.6	294.0	327.6	364.6
60°	164.6	171.0	178.7	191.2	203.8	215.6	230.9	247.1	268.1	297.2	328.8
62.5°	147.7	153.9	161.0	171.8	184.1	194.8	208.3	225.4	243.2	269.7	297.4
65°	119.7	128.6	135.5	145.2	155.3	166.6	177.1	190.8	206.6	227.7	252.3
67.5°	99.3	103.8	110.1	119.0	129.3	139.0	149.0	159.7	173.4	189.6	209.2
70°	90.2	91.8	93.0	101.5	111.2	120.9	130.2	140.3	152.0	165.4	182.4
72.5°	79.5	81.1	82.6	86.3	94.0	103.8	113.4	120.9	132.0	143.1	156.9
75°	63.1	65.5	66.7	68.8	71.6	78.0	86.9	94.2	100.7	109.2	120.1
77.5°	48.0	49.4	50.7	52.8	54.6	57.6	62.6	69.2	75.2	80.2	87.7
80°	38.0	38.4	40.0	40.9	43.3	45.3	47.7	53.0	59.0	61.1	66.3
82.5°	28.6	29.1	30.3	31.1	32.2	34.0	37.1	38.4	43.2	45.9	49.2
85°	15.8	15.4	16.6	16.6	17.3	18.2	19.0	21.0	22.3	25.5	26.3
87.5°	6.7	6.7	7.1	6.7	6.3	6.7	6.8	7.1	7.5	8.3	9.4
90°	9.3	9.5	9.3	7.5	5.6	4.2	3.3	2.8	2.2	1.1	0.3
92.5°	30.7	36.4	35.9	28.0	19.0	12.7	10.1	8.2	7.0	4.9	3.4
95°	96.0	109.7	97.1	64.6	40.3	27.4	20.7	16.2	13.7	10.9	9.8
97.5°	196.5	187.3	141.1	87.1	53.2	37.0	29.4	24.2	20.4	17.4	15.9
100°	261.4	221.1	152.3	91.8	57.7	42.9	35.0	29.4	24.9	22.4	21.5
102.5°	285.6	222.2	148.0	92.1	61.7	48.0	40.2	34.3	29.9	27.3	26.7
105°	281.9	207.4	139.7	93.5	68.6	55.5	47.6	41.4	37.2	35.3	34.1
107.5°	257.3	191.5	135.5	97.4	75.7	62.9	55.0	48.9	45.0	43.1	42.2
110°	241.9	183.9	134.7	100.4	80.3	68.0	59.9	54.0	50.4	48.7	47.6



TEST NUMBER: P331677-927

CATALOG NUMBER: SA2XXRDIP-C675D330U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	231.1	179.0	134.8	103.9	84.8	73.0	64.6	58.9	55.5	53.6	52.5
115°	217.8	173.6	136.0	108.8	91.8	79.8	72.2	66.6	63.3	61.6	60.2
117.5°	209.4	170.9	138.1	114.2	98.2	87.1	79.3	73.9	70.9	69.2	68.1
120°	204.9	169.4	139.4	117.9	102.7	91.8	84.0	78.3	75.9	74.1	73.0
122.5°	201.1	168.4	140.9	121.0	106.9	96.7	88.6	83.1	80.3	78.7	77.8
125°	195.7	166.8	143.3	126.0	113.4	103.3	95.5	89.8	86.5	84.8	84.0
127.5°	190.6	165.9	145.7	130.6	119.3	109.5	101.4	96.1	92.4	90.0	88.9
130°	187.3	165.4	147.5	133.5	122.9	113.0	105.3	99.7	95.7	92.9	91.8
132.5°	184.6	165.2	149.3	136.4	126.0	116.7	108.8	103.0	98.9	95.9	94.5
135°	180.8	164.9	151.5	140.2	130.5	121.4	113.7	107.2	103.0	99.7	98.5
137.5°	178.2	164.8	153.4	143.1	134.0	125.2	117.9	111.5	107.0	103.7	102.3
140°	176.6	164.6	154.2	144.7	136.0	127.6	120.3	114.2	109.7	106.4	105.3
142.5°	175.1	164.6	154.9	146.1	137.6	129.4	122.6	116.7	112.2	109.1	108.1
145°	173.0	164.0	155.6	147.8	140.0	132.4	126.3	120.6	116.5	113.7	112.5
147.5°	170.9	163.0	155.8	148.8	141.9	134.8	129.3	124.6	120.7	118.0	117.2
150°	169.1	162.3	155.6	149.2	142.8	136.3	131.3	127.1	123.4	121.2	120.3
152.5°	167.5	161.2	155.2	149.4	143.6	137.8	133.3	129.3	126.1	123.9	123.5
155°	164.6	159.2	154.5	149.7	145.0	140.2	136.0	132.9	129.8	128.2	127.9
157.5°	161.8	157.2	153.2	149.7	145.9	141.9	138.4	135.9	133.2	131.9	131.6
160°	159.8	155.9	152.6	149.7	146.4	143.1	140.0	137.7	135.5	134.4	134.0
162.5°	158.0	154.8	151.9	149.5	146.6	143.7	141.3	139.3	137.5	136.3	136.6
165°	155.0	152.6	150.6	148.9	146.9	144.4	142.8	141.3	139.7	139.1	139.4
167.5°	152.2	150.6	149.3	148.5	146.9	145.0	144.0	143.0	141.9	141.4	141.7
170°	150.6	149.5	148.6	148.1	146.6	145.3	144.4	143.9	143.1	142.8	143.3
172.5°	149.0	148.1	147.7	147.4	146.5	145.5	144.9	144.6	143.7	143.9	144.2
175°	146.9	146.6	146.4	146.6	146.1	145.5	145.3	145.3	144.7	145.0	145.3
177.5°	145.8	145.5	145.8	146.2	145.8	145.5	145.5	145.5	145.1	145.3	145.8
180°	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5



TEST NUMBER: P331677-927

CATALOG NUMBER: SA2XXRDIP-C675D330U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1170.6	1171.6	1178.1	1180.9	1186.8	1189.0	1191.6	1191.0	1191.0	1192.2	1201.3
5°	1173.1	1181.1	1193.3	1205.0	1216.3	1226.1	1232.6	1239.0	1241.4	1253.2	1263.7
7.5°	1168.9	1183.8	1203.8	1221.7	1243.1	1259.9	1273.7	1286.3	1294.9	1311.9	1329.4
10°	1163.4	1184.4	1207.0	1230.1	1259.6	1281.8	1304.5	1321.9	1327.5	1353.0	1367.6
12.5°	1152.4	1180.5	1209.3	1239.1	1268.0	1298.7	1323.6	1341.0	1360.9	1383.8	1410.6
15°	1135.9	1168.2	1205.9	1244.3	1285.5	1322.7	1349.4	1379.7	1401.5	1426.6	1450.1
17.5°	1112.1	1153.8	1201.7	1246.1	1293.8	1333.8	1370.5	1399.6	1415.0	1429.3	1432.7
20°	1093.4	1138.3	1194.5	1247.1	1294.8	1340.9	1377.3	1401.5	1405.6	1406.0	1384.6
22.5°	1073.0	1123.7	1182.6	1236.4	1293.5	1344.8	1373.1	1383.5	1367.4	1340.0	1298.5
25°	1035.6	1094.2	1162.6	1224.0	1286.3	1334.8	1344.6	1326.4	1270.1	1211.1	1136.3
27.5°	995.0	1060.9	1134.2	1202.5	1268.8	1298.9	1277.9	1212.4	1111.1	1023.1	916.5
30°	965.3	1039.3	1111.2	1187.6	1249.1	1262.0	1213.9	1117.3	999.2	866.6	760.3
32.5°	931.3	1008.8	1087.9	1167.0	1218.4	1205.8	1126.2	1007.3	868.9	738.5	637.9
35°	882.7	962.8	1048.1	1127.4	1160.2	1105.6	986.7	831.8	690.2	568.5	499.4
37.5°	826.7	913.9	1002.6	1075.4	1073.0	982.1	820.1	660.3	541.3	469.3	420.1
40°	786.9	875.0	970.9	1032.4	1006.1	887.6	712.1	561.3	474.4	416.9	380.9
42.5°	748.8	837.2	932.4	981.3	935.6	789.9	615.1	496.9	425.2	380.3	351.2
45°	683.8	777.2	865.4	892.5	810.8	650.2	497.4	411.6	363.9	330.8	310.5
47.5°	620.3	712.2	792.7	793.1	682.6	527.3	419.5	356.2	315.5	289.9	275.1
50°	581.5	668.8	736.3	725.9	600.5	469.1	375.3	320.7	286.7	266.9	251.5
52.5°	537.8	622.6	681.0	651.1	530.9	412.8	335.5	289.6	261.5	244.2	230.5
55°	474.4	549.5	590.8	545.5	433.1	343.3	283.4	247.5	226.5	211.9	200.2
57.5°	411.9	474.0	499.9	447.3	356.7	284.7	239.8	212.8	191.9	181.5	175.4
60°	372.8	425.8	444.0	385.8	310.1	249.1	212.3	187.2	171.8	165.0	158.9
62.5°	334.3	377.6	385.2	331.8	270.4	218.0	186.4	165.2	155.0	148.5	142.8
65°	277.4	308.6	304.9	262.1	213.9	173.1	150.0	137.0	129.4	120.1	110.0
67.5°	228.4	247.4	235.9	203.8	163.3	134.5	119.5	109.6	100.1	91.3	89.0
70°	197.3	208.3	196.1	166.6	133.9	112.8	100.7	89.0	83.3	81.3	77.6
72.5°	167.5	171.3	158.3	132.9	108.9	93.4	81.6	75.0	72.0	70.3	68.0
75°	125.8	122.9	111.6	91.8	75.7	65.1	61.5	59.0	57.0	55.4	54.2
77.5°	88.3	84.2	74.1	61.2	52.7	47.6	45.5	44.1	43.2	42.4	41.2
80°	66.3	63.5	53.4	43.6	40.0	37.6	36.4	34.8	34.8	34.0	32.7
82.5°	48.6	45.4	36.5	32.0	30.0	28.5	27.6	26.7	26.4	26.5	25.7
85°	25.5	20.6	18.2	17.3	16.2	15.4	15.8	15.0	15.0	15.0	14.6
87.5°	8.0	6.6	6.4	6.2	6.7	7.0	7.1	7.4	7.8	7.4	7.6
90°	1.1	2.2	2.8	3.3	4.2	5.6	7.5	9.3	9.5	9.3	9.0
92.5°	4.9	7.0	8.2	10.1	12.7	19.0	28.0	35.9	36.4	30.7	24.4
95°	10.9	13.7	16.2	20.7	27.4	40.3	64.6	97.1	109.7	96.0	73.4
97.5°	17.4	20.4	24.2	29.4	37.0	53.2	87.1	141.1	187.3	196.5	171.1
100°	22.4	24.9	29.4	35.0	42.9	57.7	91.8	152.3	221.1	261.4	255.6
102.5°	27.3	29.9	34.3	40.2	48.0	61.7	92.1	148.0	222.2	285.6	310.9
105°	35.3	37.2	41.4	47.6	55.5	68.6	93.5	139.7	207.4	281.9	340.1
107.5°	43.1	45.0	48.9	55.0	62.9	75.7	97.4	135.5	191.5	257.3	319.0
110°	48.7	50.4	54.0	59.9	68.0	80.3	100.4	134.7	183.9	241.9	300.9



TEST NUMBER: P331677-927

CATALOG NUMBER: SA2XXRDIP-C675D330U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	53.6	55.5	58.9	64.6	73.0	84.8	103.9	134.8	179.0	231.1	284.3
115°	61.6	63.3	66.6	72.2	79.8	91.8	108.8	136.0	173.6	217.8	264.0
117.5°	69.2	70.9	73.9	79.3	87.1	98.2	114.2	138.1	170.9	209.4	248.6
120°	74.1	75.9	78.3	84.0	91.8	102.7	117.9	139.4	169.4	204.9	241.0
122.5°	78.7	80.3	83.1	88.6	96.7	106.9	121.0	140.9	168.4	201.1	235.0
125°	84.8	86.5	89.8	95.5	103.3	113.4	126.0	143.3	166.8	195.7	226.2
127.5°	90.0	92.4	96.1	101.4	109.5	119.3	130.6	145.7	165.9	190.6	217.5
130°	92.9	95.7	99.7	105.3	113.0	122.9	133.5	147.5	165.4	187.3	211.9
132.5°	95.9	98.9	103.0	108.8	116.7	126.0	136.4	149.3	165.2	184.6	206.5
135°	99.7	103.0	107.2	113.7	121.4	130.5	140.2	151.5	164.9	180.8	199.0
137.5°	103.7	107.0	111.5	117.9	125.2	134.0	143.1	153.4	164.8	178.2	193.1
140°	106.4	109.7	114.2	120.3	127.6	136.0	144.7	154.2	164.6	176.6	189.2
142.5°	109.1	112.2	116.7	122.6	129.4	137.6	146.1	154.9	164.6	175.1	186.1
145°	113.7	116.5	120.6	126.3	132.4	140.0	147.8	155.6	164.0	173.0	181.6
147.5°	118.0	120.7	124.6	129.3	134.8	141.9	148.8	155.8	163.0	170.9	178.2
150°	121.2	123.4	127.1	131.3	136.3	142.8	149.2	155.6	162.3	169.1	175.8
152.5°	123.9	126.1	129.3	133.3	137.8	143.6	149.4	155.2	161.2	167.5	173.3
155°	128.2	129.8	132.9	136.0	140.2	145.0	149.7	154.5	159.2	164.6	169.9
157.5°	131.9	133.2	135.9	138.4	141.9	145.9	149.7	153.2	157.2	161.8	166.0
160°	134.4	135.5	137.7	140.0	143.1	146.4	149.7	152.6	155.9	159.8	163.4
162.5°	136.3	137.5	139.3	141.3	143.7	146.6	149.5	151.9	154.8	158.0	161.0
165°	139.1	139.7	141.3	142.8	144.4	146.9	148.9	150.6	152.6	155.0	157.3
167.5°	141.4	141.9	143.0	144.0	145.0	146.9	148.5	149.3	150.6	152.2	153.8
170°	142.8	143.1	143.9	144.4	145.3	146.6	148.1	148.6	149.5	150.6	152.0
172.5°	143.9	143.7	144.6	144.9	145.5	146.5	147.4	147.7	148.1	149.0	150.0
175°	145.0	144.7	145.3	145.3	145.5	146.1	146.6	146.4	146.6	146.9	147.8
177.5°	145.3	145.1	145.5	145.5	145.5	145.8	146.2	145.8	145.5	145.8	146.2
180°	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5



TEST NUMBER: P331677-927

CATALOG NUMBER: SA2XXRDIP-C675D330U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1204.5	1208.7	1210.7	1210.7	1213.0	1212.0	1211.0
5°	1273.7	1281.4	1283.1	1290.4	1295.6	1294.0	1294.8
7.5°	1342.6	1354.9	1367.1	1372.8	1373.6	1376.9	1378.1
10°	1385.0	1395.1	1414.1	1411.3	1425.4	1433.5	1420.1
12.5°	1425.8	1439.4	1452.5	1456.2	1464.3	1466.8	1461.6
15°	1462.6	1469.9	1470.7	1468.7	1471.1	1469.1	1461.4
17.5°	1428.1	1416.3	1392.4	1381.1	1372.1	1358.8	1353.5
20°	1371.2	1336.4	1296.0	1279.8	1260.8	1223.6	1232.6
22.5°	1248.3	1208.6	1168.2	1121.0	1098.4	1063.2	1061.0
25°	1057.0	988.7	913.5	860.9	830.2	795.0	779.7
27.5°	821.8	735.8	674.1	642.9	614.6	586.7	585.5
30°	667.2	602.5	554.8	528.1	510.7	499.0	501.5
32.5°	562.4	518.1	485.9	463.7	450.9	442.0	441.9
35°	459.8	429.4	408.8	399.5	390.2	383.7	384.1
37.5°	393.5	375.3	363.8	353.5	347.7	344.5	342.8
40°	359.5	344.5	335.6	329.5	324.7	320.3	319.5
42.5°	332.6	320.3	311.3	306.6	302.1	298.9	298.1
45°	295.2	285.1	277.0	271.7	269.7	266.9	266.9
47.5°	262.6	252.6	246.4	243.0	239.6	237.7	237.6
50°	240.6	232.9	227.3	225.2	222.4	221.2	220.8
52.5°	220.9	215.2	211.1	209.7	208.5	206.9	207.2
55°	194.1	190.8	189.3	188.1	186.0	183.5	185.2
57.5°	171.5	168.8	164.5	160.7	158.8	157.1	157.7
60°	155.7	150.0	144.3	139.9	138.7	135.1	135.1
62.5°	135.6	127.7	120.7	118.3	117.0	115.3	115.0
65°	104.3	101.1	99.5	97.8	97.0	97.0	96.3
67.5°	86.4	85.2	83.4	82.9	82.1	81.9	81.7
70°	76.4	74.8	74.0	73.6	72.8	73.2	72.0
72.5°	66.7	65.4	65.3	64.2	63.7	63.8	62.9
75°	52.6	52.6	52.1	51.7	50.9	50.5	50.9
77.5°	40.4	40.5	39.8	39.7	39.6	39.7	39.3
80°	32.3	32.7	32.3	31.9	31.5	31.9	31.5
82.5°	25.6	25.0	24.9	24.8	24.7	24.5	24.4
85°	14.6	15.0	14.6	14.2	14.2	14.2	14.6
87.5°	7.2	7.3	7.4	7.4	7.4	7.4	7.1
90°	8.4	9.0	9.3	9.3	9.3	9.3	9.3
92.5°	20.9	18.6	16.9	16.6	15.8	15.9	15.5
95°	56.2	44.5	38.3	34.7	32.5	31.6	31.9
97.5°	140.0	109.7	89.5	76.1	69.2	65.2	62.8
100°	220.9	182.5	148.6	125.4	113.4	105.3	100.2
102.5°	303.0	275.0	239.1	213.8	193.3	183.2	176.3
105°	371.7	375.3	366.1	348.7	331.4	319.3	315.4
107.5°	366.7	395.8	409.3	411.5	410.6	408.1	403.0
110°	351.0	386.8	409.8	421.8	427.1	429.7	429.4



TEST NUMBER: P331677-927

CATALOG NUMBER: SA2XXRDIP-C675D330U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	332.4	370.7	397.0	413.8	422.6	427.4	428.9
115°	307.0	343.7	372.6	392.4	405.3	412.6	415.1
117.5°	286.5	319.7	346.7	367.0	380.6	388.2	390.4
120°	275.7	305.4	330.8	350.5	363.6	371.7	374.5
122.5°	266.7	294.9	317.8	335.4	348.4	355.6	357.9
125°	255.0	279.6	300.6	316.9	327.5	334.5	336.8
127.5°	243.6	266.8	286.1	300.3	310.3	316.3	318.1
130°	236.0	258.1	276.6	290.3	299.8	305.4	307.6
132.5°	228.8	249.1	266.5	280.0	289.5	294.6	296.7
135°	217.5	236.0	251.6	263.6	272.9	278.0	279.1
137.5°	208.5	223.2	236.8	247.8	255.7	260.2	261.8
140°	202.6	215.6	227.8	236.8	244.1	248.3	249.9
142.5°	197.5	208.6	218.9	227.4	234.0	237.7	238.1
145°	190.9	199.6	207.7	214.4	219.2	222.0	222.8
147.5°	185.5	192.3	198.2	203.7	207.6	209.5	210.0
150°	182.0	187.8	192.8	197.0	200.4	202.1	202.4
152.5°	179.0	184.0	188.4	191.7	194.6	195.8	195.9
155°	174.4	178.6	181.6	184.7	186.7	187.8	187.3
157.5°	169.7	173.2	175.6	177.8	179.4	179.9	179.9
160°	166.5	169.6	171.6	173.6	174.9	175.2	175.2
162.5°	163.7	166.3	167.8	169.8	170.7	171.0	170.7
165°	159.2	161.2	162.3	163.4	164.6	164.6	164.3
167.5°	155.3	156.6	157.6	158.1	158.8	158.7	158.4
170°	152.8	153.9	154.5	154.8	155.6	155.3	154.8
172.5°	150.6	151.5	151.8	152.1	152.5	152.2	151.9
175°	148.1	148.4	148.6	148.6	148.9	148.6	148.1
177.5°	146.2	146.5	146.5	146.5	146.5	146.2	145.8
180°	145.5	145.5	145.5	145.5	145.5	145.5	145.5

(END OF REPORT)