

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: P331694-927

Luminaire Tested: **SA2XXRDIP-C675D925U927-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331694-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C675D925U927-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 925 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4634.5 lumens
Efficiency: N/A
Efficacy: 89.1 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: General Diffuse

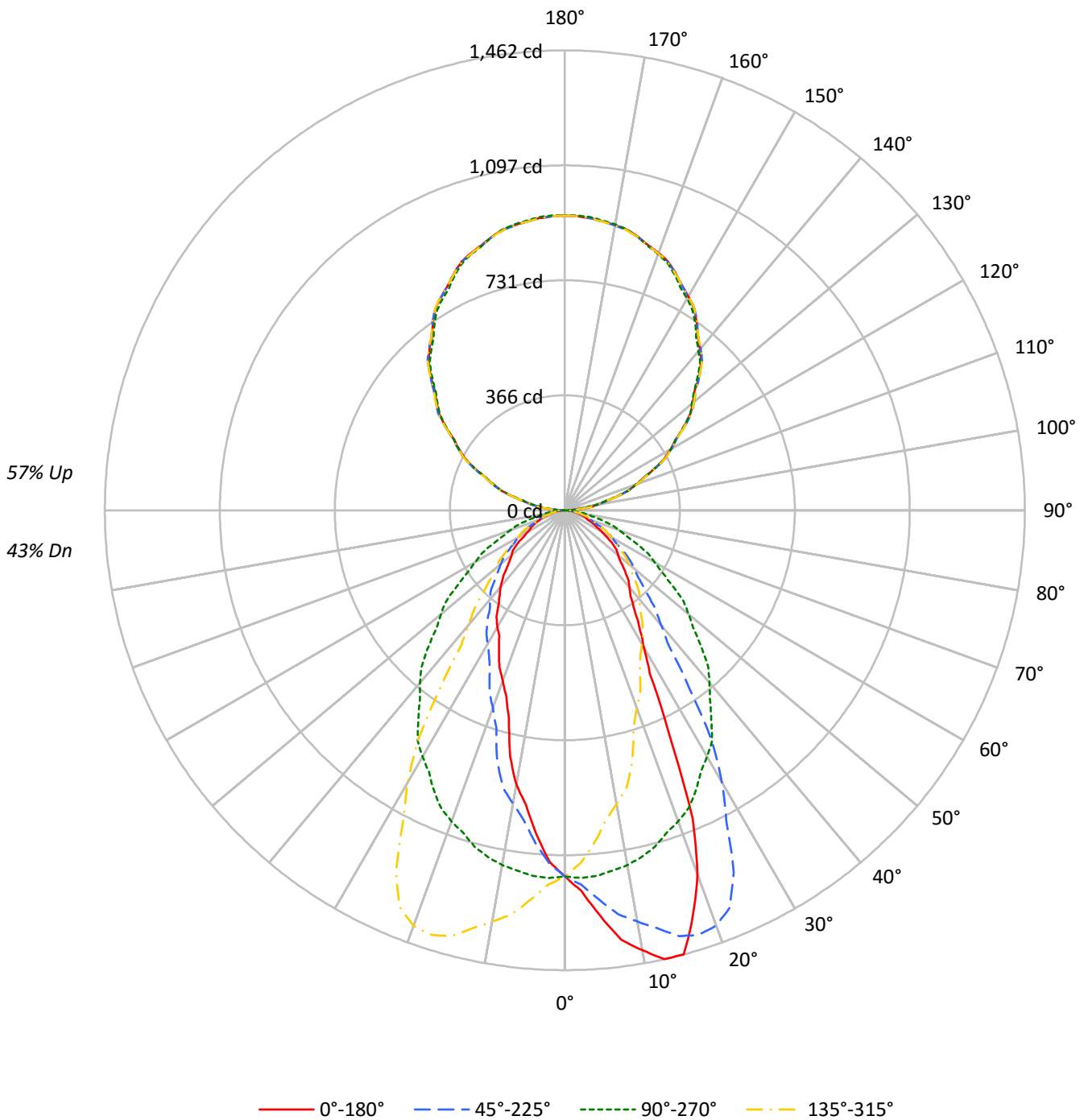
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	43
1	97	93	89	86	89	85	82	79	71	69	67	58	56	55	45	44	44	38
2	89	82	76	71	81	75	70	66	63	59	56	51	49	47	41	39	38	33
3	82	73	66	60	74	67	61	56	56	52	48	46	43	40	37	35	33	29
4	75	65	57	52	68	60	53	48	50	46	42	42	38	35	33	31	29	25
5	69	58	50	45	63	54	47	42	45	40	37	38	34	31	30	28	26	23
6	64	52	45	39	58	49	42	37	41	36	32	34	31	28	28	25	23	20
7	59	48	40	35	54	44	37	33	38	33	29	32	28	25	26	23	21	18
8	55	43	36	31	51	40	34	29	35	29	26	29	25	22	24	21	19	17
9	51	40	33	28	47	37	31	26	32	27	23	27	23	20	22	19	17	15
10	48	37	30	25	44	34	28	24	29	25	21	25	21	19	21	18	16	14

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.3	2.4
10°-20°	307.4	6.6
20°-30°	396.1	8.5
30°-40°	376.4	8.1
40°-50°	322.5	7.0
50°-60°	245.6	5.3
60°-70°	155.2	3.3
70°-80°	77.5	1.7
80°-90°	23.9	0.5
90°-100°	59.4	1.3
100°-110°	184.4	4.0
110°-120°	315.1	6.8
120°-130°	414.4	8.9
130°-140°	465.2	10.0
140°-150°	456.1	9.8
150°-160°	382.5	8.3
160°-170°	253.7	5.5
170°-180°	88.7	1.9
0°-30°	813.8	17.6
0°-40°	1190.3	25.7
0°-60°	1758.3	37.9
0°-90°	2015.0	43.5
90°-120°	558.9	12.1
90°-150°	1894.5	40.9
90°-180°	2620.0	56.5
0°-180°	4634.5	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°	27	1	27	1	27	12
95°	49	41	49	41	49	55
105°	176	170	176	170	176	185
115°	316	316	316	316	316	312
125°	462	460	462	460	462	412
135°	602	595	602	595	602	464
145°	730	722	730	722	730	456
155°	832	826	832	826	832	383
165°	900	899	900	899	900	254
175°	932	935	932	935	932	89
180°	937	937	937	937	937	



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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°	10.5	10.9	10.8	10.8	10.8	10.8	10.9	11.2	10.9	11.3	10.3
90°	26.9	26.7	26.5	26.4	26.1	26.3	26.6	26.9	27.3	27.6	23.8
92.5°	25.6	25.6	25.5	25.5	25.5	25.4	25.3	25.3	25.2	25.1	24.2
95°	49.0	49.4	49.7	50.1	50.4	50.6	50.6	50.6	50.6	50.6	50.2
97.5°	84.9	84.9	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	84.4
100°	108.3	108.4	108.7	108.8	109.0	109.1	109.1	109.1	109.1	109.1	108.6
102.5°	134.9	135.1	135.2	135.4	135.5	135.6	135.5	135.3	135.1	135.1	134.4
105°	175.5	175.5	175.5	175.5	175.5	175.3	175.0	174.6	174.3	173.9	173.6
107.5°	213.7	214.6	215.4	216.2	217.0	217.3	217.2	217.1	216.9	216.7	216.7
110°	243.5	244.0	244.5	245.1	245.6	245.9	245.9	245.9	245.9	245.9	245.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	272.0	272.4	272.7	273.1	273.5	273.9	274.3	274.7	275.2	275.6	275.8
115°	316.2	316.7	317.3	317.8	318.3	318.7	318.9	319.0	319.2	319.4	319.7
117.5°	358.5	358.9	359.5	360.0	360.5	361.0	361.5	361.9	362.3	362.7	363.7
120°	388.2	388.7	389.2	389.8	390.3	390.5	390.5	390.5	390.5	390.5	392.0
122.5°	417.2	417.6	418.0	418.4	418.8	419.2	419.6	420.0	420.5	420.9	421.9
125°	461.7	461.8	462.0	462.2	462.4	462.7	463.3	463.8	464.3	464.9	465.4
127.5°	502.2	502.7	503.3	503.8	504.4	505.0	505.6	506.3	506.9	507.6	508.2
130°	531.2	532.0	532.7	533.4	534.1	534.6	535.0	535.3	535.7	536.0	536.4
132.5°	559.1	559.7	560.2	560.8	561.3	562.0	562.8	563.6	564.4	565.1	565.0
135°	602.4	602.9	603.5	604.0	604.5	604.8	605.1	605.2	605.4	605.5	605.2
137.5°	641.6	642.3	643.0	643.7	644.4	644.8	645.0	645.2	645.3	645.4	645.0
140°	668.8	669.6	670.2	670.9	671.6	672.0	672.0	672.0	672.0	672.0	671.1
142.5°	693.5	694.2	694.9	695.6	696.3	696.6	696.4	696.3	696.2	696.0	695.4
145°	730.5	731.2	731.9	732.6	733.3	733.6	733.4	733.2	733.0	732.8	731.8
147.5°	763.5	764.2	764.9	765.6	766.2	766.4	766.0	765.6	765.2	764.8	764.1
150°	785.1	785.5	786.1	786.6	787.1	787.1	786.6	786.1	785.5	785.1	784.3
152.5°	805.3	806.0	806.6	807.2	807.9	807.9	807.2	806.6	806.0	805.3	804.4
155°	832.4	833.0	833.5	834.0	834.6	834.4	833.5	832.7	831.8	830.8	830.4
157.5°	855.9	856.7	857.5	858.4	859.2	859.0	857.9	856.7	855.5	854.3	854.0
160°	870.4	871.1	871.8	872.5	873.2	873.1	872.0	870.9	869.9	868.8	868.6
162.5°	883.0	883.9	884.7	885.6	886.5	886.2	885.0	883.8	882.6	881.5	881.3
165°	899.7	900.6	901.4	902.3	903.2	903.0	901.7	900.6	899.3	898.1	898.1
167.5°	913.2	914.2	915.0	916.0	916.9	916.7	915.5	914.3	913.1	911.8	911.9
170°	920.2	921.2	922.3	923.4	924.4	924.3	923.1	921.9	920.7	919.4	919.6
172.5°	925.9	926.9	928.0	929.1	930.1	930.0	928.8	927.6	926.4	925.1	925.3
175°	932.1	933.1	934.1	935.3	936.3	936.2	934.9	933.7	932.5	931.3	931.6
177.5°	934.9	935.7	936.6	937.5	938.3	938.3	937.5	936.6	935.7	934.9	935.2
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



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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°	9.5	9.0	8.2	7.4	7.2	7.1	8.3	9.5	8.6	8.1	7.9
90°	20.0	16.1	12.2	9.2	7.1	5.0	2.9	0.8	2.9	5.0	7.1
92.5°	23.3	22.4	21.5	20.3	18.7	17.2	15.6	14.1	15.6	17.2	18.7
95°	49.9	49.5	49.2	48.2	46.3	44.6	42.9	41.1	42.9	44.6	46.3
97.5°	83.7	83.1	82.4	81.3	79.8	78.2	76.7	75.1	76.7	78.2	79.8
100°	108.1	107.5	107.0	106.0	104.6	103.2	101.8	100.4	101.8	103.2	104.6
102.5°	133.7	133.0	132.4	131.4	130.3	129.2	128.1	127.0	128.1	129.2	130.3
105°	173.3	172.9	172.5	172.1	171.6	171.0	170.5	170.0	170.5	171.0	171.6
107.5°	216.7	216.7	216.7	216.4	215.6	214.8	214.0	213.3	214.0	214.8	215.6
110°	245.9	245.9	245.9	245.3	244.3	243.2	242.2	241.1	242.2	243.2	244.3



TEST NUMBER: P331694-927

CATALOG NUMBER: SA2XXRDIP-C675D925U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	275.8	276.0	276.2	275.7	274.6	273.6	272.5	271.5	272.5	273.6	274.6
115°	320.1	320.4	320.8	320.4	319.4	318.3	317.3	316.2	317.3	318.3	319.4
117.5°	364.6	365.7	366.6	366.5	365.0	363.6	362.2	360.8	362.2	363.6	365.0
120°	393.3	394.7	396.2	396.2	394.7	393.3	392.0	390.5	392.0	393.3	394.7
122.5°	422.9	423.8	424.8	424.5	422.8	421.1	419.4	417.7	419.4	421.1	422.8
125°	465.9	466.4	467.0	466.4	464.9	463.3	461.7	460.1	461.7	463.3	464.9
127.5°	508.8	509.5	510.1	509.4	507.4	505.4	503.4	501.4	503.4	505.4	507.4
130°	536.7	537.0	537.4	536.5	534.2	531.9	529.6	527.3	529.6	531.9	534.2
132.5°	565.0	564.9	564.8	563.9	562.0	560.2	558.3	556.4	558.3	560.2	562.0
135°	604.8	604.5	604.2	603.0	601.1	599.1	597.2	595.3	597.2	599.1	601.1
137.5°	644.5	644.0	643.6	642.5	641.0	639.4	637.8	636.3	637.8	639.4	641.0
140°	670.2	669.3	668.4	667.3	665.7	664.1	662.5	660.9	662.5	664.1	665.7
142.5°	694.8	694.2	693.6	692.5	690.9	689.4	687.8	686.2	687.8	689.4	690.9
145°	730.7	729.7	728.6	727.5	726.3	725.0	723.8	722.5	723.8	725.0	726.3
147.5°	763.3	762.7	762.0	760.9	759.4	758.0	756.5	754.9	756.5	758.0	759.4
150°	783.6	782.9	782.2	781.3	780.3	779.2	778.2	777.1	778.2	779.2	780.3
152.5°	803.6	802.7	801.9	801.0	799.9	798.8	797.8	796.7	797.8	798.8	799.9
155°	829.8	829.3	828.8	828.2	827.8	827.2	826.6	826.2	826.6	827.2	827.8
157.5°	853.7	853.3	853.0	852.7	852.3	852.0	851.6	851.3	851.6	852.0	852.3
160°	868.5	868.3	868.2	867.8	867.5	867.1	866.8	866.5	866.8	867.1	867.5
162.5°	881.1	881.0	880.7	880.7	880.6	880.5	880.4	880.4	880.4	880.5	880.6
165°	898.1	898.1	898.1	898.2	898.3	898.5	898.7	898.9	898.7	898.5	898.3
167.5°	911.9	912.0	912.0	912.3	912.8	913.3	913.9	914.3	913.9	913.3	912.8
170°	919.8	920.0	920.1	920.4	921.0	921.5	922.0	922.6	922.0	921.5	921.0
172.5°	925.4	925.7	925.8	926.1	926.7	927.2	927.7	928.3	927.7	927.2	926.7
175°	932.0	932.3	932.7	933.1	933.7	934.1	934.7	935.3	934.7	934.1	933.7
177.5°	935.5	935.7	936.0	936.4	936.8	937.2	937.6	938.1	937.6	937.2	936.8
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



TEST NUMBER: P331694-927

CATALOG NUMBER: SA2XXRDIP-C675D925U927-4F0-1E-UDD-A1

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°	8.0	8.2	8.4	9.2	9.9	10.4	10.3	9.9	9.8	9.7	9.4
90°	9.2	12.2	16.1	20.0	23.8	27.6	27.3	26.9	26.6	26.3	26.1
92.5°	20.3	21.5	22.4	23.3	24.2	25.1	25.2	25.3	25.3	25.4	25.5
95°	48.2	49.2	49.5	49.9	50.2	50.6	50.6	50.6	50.6	50.6	50.4
97.5°	81.3	82.4	83.1	83.7	84.4	85.1	85.1	85.1	85.1	85.1	85.1
100°	106.0	107.0	107.5	108.1	108.6	109.1	109.1	109.1	109.1	109.1	109.0
102.5°	131.4	132.4	133.0	133.7	134.4	135.1	135.1	135.3	135.5	135.6	135.5
105°	172.1	172.5	172.9	173.3	173.6	173.9	174.3	174.6	175.0	175.3	175.5
107.5°	216.4	216.7	216.7	216.7	216.7	216.7	216.9	217.1	217.2	217.3	217.0
110°	245.3	245.9	245.9	245.9	245.9	245.9	245.9	245.9	245.9	245.9	245.6



TEST NUMBER: P331694-927

CATALOG NUMBER: SA2XXRDIP-C675D925U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	275.7	276.2	276.0	275.8	275.8	275.6	275.2	274.7	274.3	273.9	273.5
115°	320.4	320.8	320.4	320.1	319.7	319.4	319.2	319.0	318.9	318.7	318.3
117.5°	366.5	366.6	365.7	364.6	363.7	362.7	362.3	361.9	361.5	361.0	360.5
120°	396.2	396.2	394.7	393.3	392.0	390.5	390.5	390.5	390.5	390.5	390.3
122.5°	424.5	424.8	423.8	422.9	421.9	420.9	420.5	420.0	419.6	419.2	418.8
125°	466.4	467.0	466.4	465.9	465.4	464.9	464.3	463.8	463.3	462.7	462.4
127.5°	509.4	510.1	509.5	508.8	508.2	507.6	506.9	506.3	505.6	505.0	504.4
130°	536.5	537.4	537.0	536.7	536.4	536.0	535.7	535.3	535.0	534.6	534.1
132.5°	563.9	564.8	564.9	565.0	565.0	565.1	564.4	563.6	562.8	562.0	561.3
135°	603.0	604.2	604.5	604.8	605.2	605.5	605.4	605.2	605.1	604.8	604.5
137.5°	642.5	643.6	644.0	644.5	645.0	645.4	645.3	645.2	645.0	644.8	644.4
140°	667.3	668.4	669.3	670.2	671.1	672.0	672.0	672.0	672.0	672.0	671.6
142.5°	692.5	693.6	694.2	694.8	695.4	696.0	696.2	696.3	696.4	696.6	696.3
145°	727.5	728.6	729.7	730.7	731.8	732.8	733.0	733.2	733.4	733.6	733.3
147.5°	760.9	762.0	762.7	763.3	764.1	764.8	765.2	765.6	766.0	766.4	766.2
150°	781.3	782.2	782.9	783.6	784.3	785.1	785.5	786.1	786.6	787.1	787.1
152.5°	801.0	801.9	802.7	803.6	804.4	805.3	806.0	806.6	807.2	807.9	807.9
155°	828.2	828.8	829.3	829.8	830.4	830.8	831.8	832.7	833.5	834.4	834.6
157.5°	852.7	853.0	853.3	853.7	854.0	854.3	855.5	856.7	857.9	859.0	859.2
160°	867.8	868.2	868.3	868.5	868.6	868.8	869.9	870.9	872.0	873.1	873.2
162.5°	880.7	880.7	881.0	881.1	881.3	881.5	882.6	883.8	885.0	886.2	886.5
165°	898.2	898.1	898.1	898.1	898.1	898.1	899.3	900.6	901.7	903.0	903.2
167.5°	912.3	912.0	912.0	911.9	911.9	911.8	913.1	914.3	915.5	916.7	916.9
170°	920.4	920.1	920.0	919.8	919.6	919.4	920.7	921.9	923.1	924.3	924.4
172.5°	926.1	925.8	925.7	925.4	925.3	925.1	926.4	927.6	928.8	930.0	930.1
175°	933.1	932.7	932.3	932.0	931.6	931.3	932.5	933.7	934.9	936.2	936.3
177.5°	936.4	936.0	935.7	935.5	935.2	934.9	935.7	936.6	937.5	938.3	938.3
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



TEST NUMBER: P331694-927

CATALOG NUMBER: SA2XXRDIP-C675D925U927-4F0-1E-UDD-A1

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°	9.5	9.2	9.6	9.3	9.6	9.2	9.5	9.4	9.7	9.8	9.9
90°	26.4	26.5	26.7	26.9	26.7	26.5	26.4	26.1	26.3	26.6	26.9
92.5°	25.5	25.5	25.6	25.6	25.6	25.5	25.5	25.5	25.4	25.3	25.3
95°	50.1	49.7	49.4	49.0	49.4	49.7	50.1	50.4	50.6	50.6	50.6
97.5°	85.0	85.0	84.9	84.9	84.9	85.0	85.0	85.1	85.1	85.1	85.1
100°	108.8	108.7	108.4	108.3	108.4	108.7	108.8	109.0	109.1	109.1	109.1
102.5°	135.4	135.2	135.1	134.9	135.1	135.2	135.4	135.5	135.6	135.5	135.3
105°	175.5	175.5	175.5	175.5	175.5	175.5	175.5	175.5	175.3	175.0	174.6
107.5°	216.2	215.4	214.6	213.7	214.6	215.4	216.2	217.0	217.3	217.2	217.1
110°	245.1	244.5	244.0	243.5	244.0	244.5	245.1	245.6	245.9	245.9	245.9



TEST NUMBER: P331694-927

CATALOG NUMBER: SA2XXRDIP-C675D925U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	273.1	272.7	272.4	272.0	272.4	272.7	273.1	273.5	273.9	274.3	274.7
115°	317.8	317.3	316.7	316.2	316.7	317.3	317.8	318.3	318.7	318.9	319.0
117.5°	360.0	359.5	358.9	358.5	358.9	359.5	360.0	360.5	361.0	361.5	361.9
120°	389.8	389.2	388.7	388.2	388.7	389.2	389.8	390.3	390.5	390.5	390.5
122.5°	418.4	418.0	417.6	417.2	417.6	418.0	418.4	418.8	419.2	419.6	420.0
125°	462.2	462.0	461.8	461.7	461.8	462.0	462.2	462.4	462.7	463.3	463.8
127.5°	503.8	503.3	502.7	502.2	502.7	503.3	503.8	504.4	505.0	505.6	506.3
130°	533.4	532.7	532.0	531.2	532.0	532.7	533.4	534.1	534.6	535.0	535.3
132.5°	560.8	560.2	559.7	559.1	559.7	560.2	560.8	561.3	562.0	562.8	563.6
135°	604.0	603.5	602.9	602.4	602.9	603.5	604.0	604.5	604.8	605.1	605.2
137.5°	643.7	643.0	642.3	641.6	642.3	643.0	643.7	644.4	644.8	645.0	645.2
140°	670.9	670.2	669.6	668.8	669.6	670.2	670.9	671.6	672.0	672.0	672.0
142.5°	695.6	694.9	694.2	693.5	694.2	694.9	695.6	696.3	696.6	696.4	696.3
145°	732.6	731.9	731.2	730.5	731.2	731.9	732.6	733.3	733.6	733.4	733.2
147.5°	765.6	764.9	764.2	763.5	764.2	764.9	765.6	766.2	766.4	766.0	765.6
150°	786.6	786.1	785.5	785.1	785.5	786.1	786.6	787.1	787.1	786.6	786.1
152.5°	807.2	806.6	806.0	805.3	806.0	806.6	807.2	807.9	807.9	807.2	806.6
155°	834.0	833.5	833.0	832.4	833.0	833.5	834.0	834.6	834.4	833.5	832.7
157.5°	858.4	857.5	856.7	855.9	856.7	857.5	858.4	859.2	859.0	857.9	856.7
160°	872.5	871.8	871.1	870.4	871.1	871.8	872.5	873.2	873.1	872.0	870.9
162.5°	885.6	884.7	883.9	883.0	883.9	884.7	885.6	886.5	886.2	885.0	883.8
165°	902.3	901.4	900.6	899.7	900.6	901.4	902.3	903.2	903.0	901.7	900.6
167.5°	916.0	915.0	914.2	913.2	914.2	915.0	916.0	916.9	916.7	915.5	914.3
170°	923.4	922.3	921.2	920.2	921.2	922.3	923.4	924.4	924.3	923.1	921.9
172.5°	929.1	928.0	926.9	925.9	926.9	928.0	929.1	930.1	930.0	928.8	927.6
175°	935.3	934.1	933.1	932.1	933.1	934.1	935.3	936.3	936.2	934.9	933.7
177.5°	937.5	936.6	935.7	934.9	935.7	936.6	937.5	938.3	938.3	937.5	936.6
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



TEST NUMBER: P331694-927

CATALOG NUMBER: SA2XXRDIP-C675D925U927-4F0-1E-UDD-A1

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°	10.3	10.4	9.9	9.2	8.4	8.2	8.0	7.9	8.1	8.6	9.5
90°	27.3	27.6	23.8	20.0	16.1	12.2	9.2	7.1	5.0	2.9	0.8
92.5°	25.2	25.1	24.2	23.3	22.4	21.5	20.3	18.7	17.2	15.6	14.1
95°	50.6	50.6	50.2	49.9	49.5	49.2	48.2	46.3	44.6	42.9	41.1
97.5°	85.1	85.1	84.4	83.7	83.1	82.4	81.3	79.8	78.2	76.7	75.1
100°	109.1	109.1	108.6	108.1	107.5	107.0	106.0	104.6	103.2	101.8	100.4
102.5°	135.1	135.1	134.4	133.7	133.0	132.4	131.4	130.3	129.2	128.1	127.0
105°	174.3	173.9	173.6	173.3	172.9	172.5	172.1	171.6	171.0	170.5	170.0
107.5°	216.9	216.7	216.7	216.7	216.7	216.7	216.4	215.6	214.8	214.0	213.3
110°	245.9	245.9	245.9	245.9	245.9	245.9	245.3	244.3	243.2	242.2	241.1



TEST NUMBER: P331694-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	275.2	275.6	275.8	275.8	276.0	276.2	275.7	274.6	273.6	272.5	271.5
115°	319.2	319.4	319.7	320.1	320.4	320.8	320.4	319.4	318.3	317.3	316.2
117.5°	362.3	362.7	363.7	364.6	365.7	366.6	366.5	365.0	363.6	362.2	360.8
120°	390.5	390.5	392.0	393.3	394.7	396.2	396.2	394.7	393.3	392.0	390.5
122.5°	420.5	420.9	421.9	422.9	423.8	424.8	424.5	422.8	421.1	419.4	417.7
125°	464.3	464.9	465.4	465.9	466.4	467.0	466.4	464.9	463.3	461.7	460.1
127.5°	506.9	507.6	508.2	508.8	509.5	510.1	509.4	507.4	505.4	503.4	501.4
130°	535.7	536.0	536.4	536.7	537.0	537.4	536.5	534.2	531.9	529.6	527.3
132.5°	564.4	565.1	565.0	565.0	564.9	564.8	563.9	562.0	560.2	558.3	556.4
135°	605.4	605.5	605.2	604.8	604.5	604.2	603.0	601.1	599.1	597.2	595.3
137.5°	645.3	645.4	645.0	644.5	644.0	643.6	642.5	641.0	639.4	637.8	636.3
140°	672.0	672.0	671.1	670.2	669.3	668.4	667.3	665.7	664.1	662.5	660.9
142.5°	696.2	696.0	695.4	694.8	694.2	693.6	692.5	690.9	689.4	687.8	686.2
145°	733.0	732.8	731.8	730.7	729.7	728.6	727.5	726.3	725.0	723.8	722.5
147.5°	765.2	764.8	764.1	763.3	762.7	762.0	760.9	759.4	758.0	756.5	754.9
150°	785.5	785.1	784.3	783.6	782.9	782.2	781.3	780.3	779.2	778.2	777.1
152.5°	806.0	805.3	804.4	803.6	802.7	801.9	801.0	799.9	798.8	797.8	796.7
155°	831.8	830.8	830.4	829.8	829.3	828.8	828.2	827.8	827.2	826.6	826.2
157.5°	855.5	854.3	854.0	853.7	853.3	853.0	852.7	852.3	852.0	851.6	851.3
160°	869.9	868.8	868.6	868.5	868.3	868.2	867.8	867.5	867.1	866.8	866.5
162.5°	882.6	881.5	881.3	881.1	881.0	880.7	880.7	880.6	880.5	880.4	880.4
165°	899.3	898.1	898.1	898.1	898.1	898.1	898.2	898.3	898.5	898.7	898.9
167.5°	913.1	911.8	911.9	911.9	912.0	912.0	912.3	912.8	913.3	913.9	914.3
170°	920.7	919.4	919.6	919.8	920.0	920.1	920.4	921.0	921.5	922.0	922.6
172.5°	926.4	925.1	925.3	925.4	925.7	925.8	926.1	926.7	927.2	927.7	928.3
175°	932.5	931.3	931.6	932.0	932.3	932.7	933.1	933.7	934.1	934.7	935.3
177.5°	935.7	934.9	935.2	935.5	935.7	936.0	936.4	936.8	937.2	937.6	938.1
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



TEST NUMBER: P331694-927

CATALOG NUMBER: SA2XXRDIP-C675D925U927-4F0-1E-UDD-A1

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°	8.3	7.1	7.2	7.4	8.2	9.0	9.5	10.3	11.3	10.9	11.2
90°	2.9	5.0	7.1	9.2	12.2	16.1	20.0	23.8	27.6	27.3	26.9
92.5°	15.6	17.2	18.7	20.3	21.5	22.4	23.3	24.2	25.1	25.2	25.3
95°	42.9	44.6	46.3	48.2	49.2	49.5	49.9	50.2	50.6	50.6	50.6
97.5°	76.7	78.2	79.8	81.3	82.4	83.1	83.7	84.4	85.1	85.1	85.1
100°	101.8	103.2	104.6	106.0	107.0	107.5	108.1	108.6	109.1	109.1	109.1
102.5°	128.1	129.2	130.3	131.4	132.4	133.0	133.7	134.4	135.1	135.1	135.3
105°	170.5	171.0	171.6	172.1	172.5	172.9	173.3	173.6	173.9	174.3	174.6
107.5°	214.0	214.8	215.6	216.4	216.7	216.7	216.7	216.7	216.7	216.9	217.1
110°	242.2	243.2	244.3	245.3	245.9	245.9	245.9	245.9	245.9	245.9	245.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	272.5	273.6	274.6	275.7	276.2	276.0	275.8	275.8	275.6	275.2	274.7
115°	317.3	318.3	319.4	320.4	320.8	320.4	320.1	319.7	319.4	319.2	319.0
117.5°	362.2	363.6	365.0	366.5	366.6	365.7	364.6	363.7	362.7	362.3	361.9
120°	392.0	393.3	394.7	396.2	396.2	394.7	393.3	392.0	390.5	390.5	390.5
122.5°	419.4	421.1	422.8	424.5	424.8	423.8	422.9	421.9	420.9	420.5	420.0
125°	461.7	463.3	464.9	466.4	467.0	466.4	465.9	465.4	464.9	464.3	463.8
127.5°	503.4	505.4	507.4	509.4	510.1	509.5	508.8	508.2	507.6	506.9	506.3
130°	529.6	531.9	534.2	536.5	537.4	537.0	536.7	536.4	536.0	535.7	535.3
132.5°	558.3	560.2	562.0	563.9	564.8	564.9	565.0	565.0	565.1	564.4	563.6
135°	597.2	599.1	601.1	603.0	604.2	604.5	604.8	605.2	605.5	605.4	605.2
137.5°	637.8	639.4	641.0	642.5	643.6	644.0	644.5	645.0	645.4	645.3	645.2
140°	662.5	664.1	665.7	667.3	668.4	669.3	670.2	671.1	672.0	672.0	672.0
142.5°	687.8	689.4	690.9	692.5	693.6	694.2	694.8	695.4	696.0	696.2	696.3
145°	723.8	725.0	726.3	727.5	728.6	729.7	730.7	731.8	732.8	733.0	733.2
147.5°	756.5	758.0	759.4	760.9	762.0	762.7	763.3	764.1	764.8	765.2	765.6
150°	778.2	779.2	780.3	781.3	782.2	782.9	783.6	784.3	785.1	785.5	786.1
152.5°	797.8	798.8	799.9	801.0	801.9	802.7	803.6	804.4	805.3	806.0	806.6
155°	826.6	827.2	827.8	828.2	828.8	829.3	829.8	830.4	830.8	831.8	832.7
157.5°	851.6	852.0	852.3	852.7	853.0	853.3	853.7	854.0	854.3	855.5	856.7
160°	866.8	867.1	867.5	867.8	868.2	868.3	868.5	868.6	868.8	869.9	870.9
162.5°	880.4	880.5	880.6	880.7	880.7	881.0	881.1	881.3	881.5	882.6	883.8
165°	898.7	898.5	898.3	898.2	898.1	898.1	898.1	898.1	898.1	899.3	900.6
167.5°	913.9	913.3	912.8	912.3	912.0	912.0	911.9	911.9	911.8	913.1	914.3
170°	922.0	921.5	921.0	920.4	920.1	920.0	919.8	919.6	919.4	920.7	921.9
172.5°	927.7	927.2	926.7	926.1	925.8	925.7	925.4	925.3	925.1	926.4	927.6
175°	934.7	934.1	933.7	933.1	932.7	932.3	932.0	931.6	931.3	932.5	933.7
177.5°	937.6	937.2	936.8	936.4	936.0	935.7	935.5	935.2	934.9	935.7	936.6
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8



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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°	10.9	10.8	10.8	10.8	10.8	10.9	10.5
90°	26.6	26.3	26.1	26.4	26.5	26.7	26.9
92.5°	25.3	25.4	25.5	25.5	25.5	25.6	25.6
95°	50.6	50.6	50.4	50.1	49.7	49.4	49.0
97.5°	85.1	85.1	85.1	85.0	85.0	84.9	84.9
100°	109.1	109.1	109.0	108.8	108.7	108.4	108.3
102.5°	135.5	135.6	135.5	135.4	135.2	135.1	134.9
105°	175.0	175.3	175.5	175.5	175.5	175.5	175.5
107.5°	217.2	217.3	217.0	216.2	215.4	214.6	213.7
110°	245.9	245.9	245.6	245.1	244.5	244.0	243.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	274.3	273.9	273.5	273.1	272.7	272.4	272.0
115°	318.9	318.7	318.3	317.8	317.3	316.7	316.2
117.5°	361.5	361.0	360.5	360.0	359.5	358.9	358.5
120°	390.5	390.5	390.3	389.8	389.2	388.7	388.2
122.5°	419.6	419.2	418.8	418.4	418.0	417.6	417.2
125°	463.3	462.7	462.4	462.2	462.0	461.8	461.7
127.5°	505.6	505.0	504.4	503.8	503.3	502.7	502.2
130°	535.0	534.6	534.1	533.4	532.7	532.0	531.2
132.5°	562.8	562.0	561.3	560.8	560.2	559.7	559.1
135°	605.1	604.8	604.5	604.0	603.5	602.9	602.4
137.5°	645.0	644.8	644.4	643.7	643.0	642.3	641.6
140°	672.0	672.0	671.6	670.9	670.2	669.6	668.8
142.5°	696.4	696.6	696.3	695.6	694.9	694.2	693.5
145°	733.4	733.6	733.3	732.6	731.9	731.2	730.5
147.5°	766.0	766.4	766.2	765.6	764.9	764.2	763.5
150°	786.6	787.1	787.1	786.6	786.1	785.5	785.1
152.5°	807.2	807.9	807.9	807.2	806.6	806.0	805.3
155°	833.5	834.4	834.6	834.0	833.5	833.0	832.4
157.5°	857.9	859.0	859.2	858.4	857.5	856.7	855.9
160°	872.0	873.1	873.2	872.5	871.8	871.1	870.4
162.5°	885.0	886.2	886.5	885.6	884.7	883.9	883.0
165°	901.7	903.0	903.2	902.3	901.4	900.6	899.7
167.5°	915.5	916.7	916.9	916.0	915.0	914.2	913.2
170°	923.1	924.3	924.4	923.4	922.3	921.2	920.2
172.5°	928.8	930.0	930.1	929.1	928.0	926.9	925.9
175°	934.9	936.2	936.3	935.3	934.1	933.1	932.1
177.5°	937.5	938.3	938.3	937.5	936.6	935.7	934.9
180°	936.8	936.8	936.8	936.8	936.8	936.8	936.8

(END OF REPORT)