

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: P331693-927

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

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331693-927
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: SA2XXRDIP-C675D925U927-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 925 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

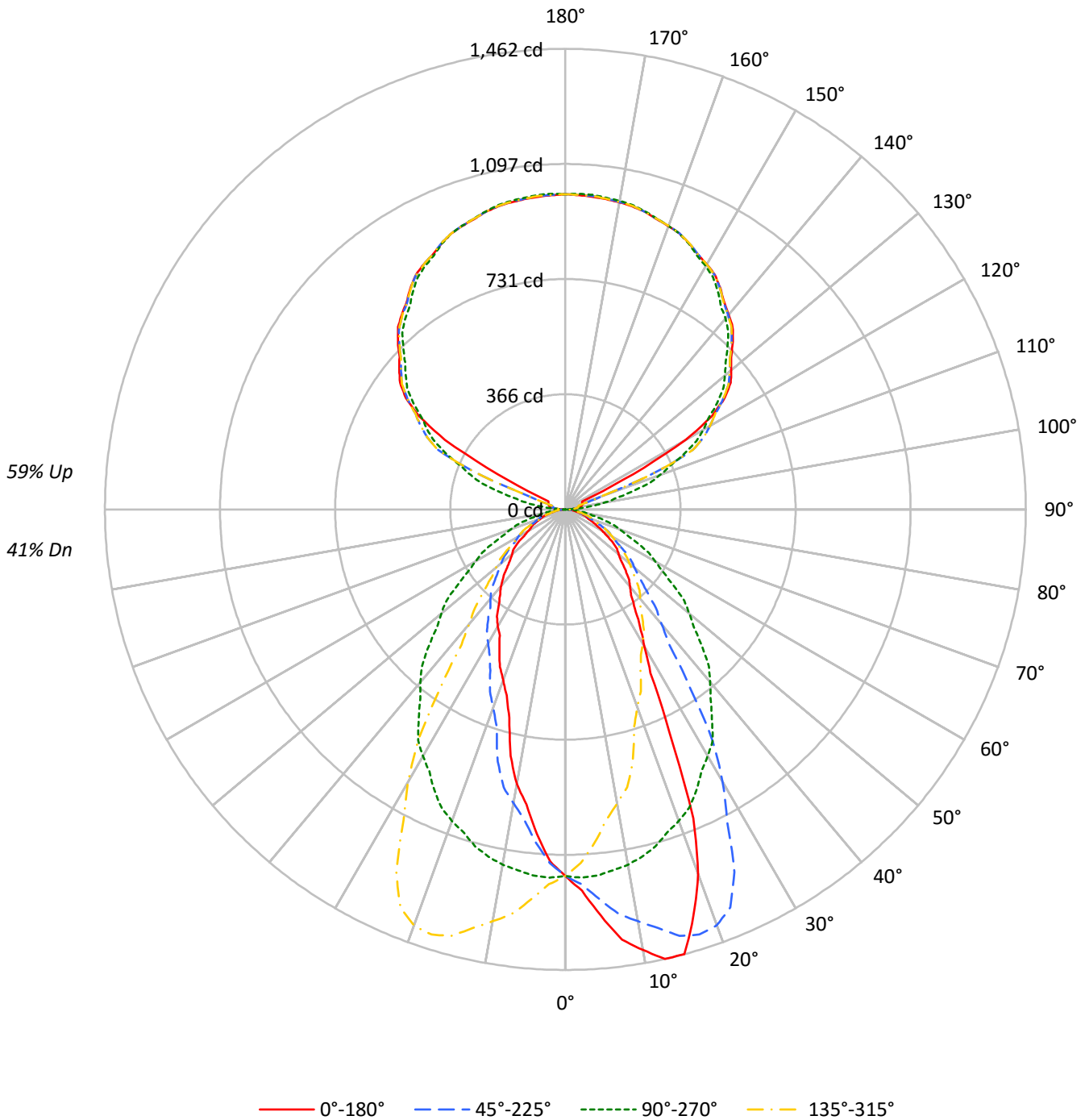
Lumens per Lamp: N/A
Luminaire Lumens: 4943.9 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41
1	96	92	89	85	88	84	81	79	69	67	65	56	54	53	43	42	41	36
2	88	81	76	71	80	74	70	65	62	58	55	50	47	45	39	37	36	31
3	81	72	65	60	74	66	60	56	55	51	47	45	42	39	35	33	31	27
4	74	64	57	51	68	59	53	48	49	45	41	40	37	34	32	29	28	24
5	69	58	50	44	62	53	46	41	44	39	36	36	33	30	29	26	25	21
6	63	52	44	39	58	48	41	36	40	35	31	33	29	27	27	24	22	19
7	59	47	40	34	54	44	37	32	37	32	28	30	27	24	24	22	20	17
8	55	43	36	31	50	40	33	29	34	29	25	28	24	22	23	20	18	16
9	51	39	32	27	47	36	30	26	31	26	23	26	22	20	21	18	17	14
10	48	36	29	25	44	34	27	23	29	24	21	24	20	18	20	17	15	13

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	2.2
10°-20°	307.4	6.2
20°-30°	396.1	8.0
30°-40°	376.4	7.6
40°-50°	322.5	6.5
50°-60°	245.6	5.0
60°-70°	155.2	3.1
70°-80°	77.5	1.6
80°-90°	22.6	0.5
90°-100°	33.4	0.7
100°-110°	122.3	2.5
110°-120°	326.9	6.6
120°-130°	539.7	10.9
130°-140°	574.0	11.6
140°-150°	533.5	10.8
150°-160°	428.9	8.7
160°-170°	276.4	5.6
170°-180°	95.1	1.9
0°-30°	813.8	16.5
0°-40°	1190.3	24.1
0°-60°	1758.3	35.6
0°-90°	2013.7	40.7
90°-120°	482.6	9.8
90°-150°	2129.7	43.1
90°-180°	2930.0	59.3
0°-180°	4943.9	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°	20	1	20	1	20	9
95°	31	47	31	47	31	29
105°	55	220	55	220	55	57
115°	59	416	59	416	59	149
125°	619	588	619	588	619	535
135°	752	728	752	728	752	579
145°	857	844	857	844	857	536
155°	930	930	930	930	930	429
165°	978	980	978	980	978	276
175°	996	1002	996	1002	996	95
180°	1000	1000	1000	1000	1000	



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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°	9.1	9.3	9.3	9.2	9.1	9.0	8.9	9.0	8.6	8.7	8.2
90°	19.6	19.3	18.9	18.5	18.2	17.7	16.9	16.1	15.3	14.5	13.2
92.5°	19.6	19.3	19.2	18.9	18.8	18.5	18.1	17.6	17.2	16.8	16.2
95°	31.1	31.3	31.4	31.6	31.8	31.4	30.7	29.8	29.0	28.2	27.1
97.5°	41.5	41.4	41.1	41.0	40.7	40.3	39.7	39.1	38.4	37.8	35.2
100°	48.5	48.2	47.8	47.5	47.2	46.4	45.1	43.8	42.5	41.3	38.5
102.5°	52.0	51.5	51.0	50.6	50.1	49.1	47.5	45.7	44.0	42.4	65.3
105°	55.0	54.3	53.7	53.1	52.4	51.2	49.4	47.7	45.9	44.1	88.0
107.5°	56.6	55.9	55.3	54.7	54.0	54.6	56.4	58.1	60.0	61.8	114.4
110°	57.2	56.5	55.8	55.2	54.6	62.3	78.3	94.4	110.5	126.6	173.1



TEST NUMBER: P331693-927

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

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	57.8	57.2	56.7	56.2	55.7	84.8	143.4	202.1	260.7	319.3	330.8
115°	59.3	70.9	82.5	94.0	105.6	148.6	223.1	297.5	371.9	446.4	442.4
117.5°	242.2	280.3	318.3	356.3	394.3	422.4	440.5	458.4	476.4	494.4	491.7
120°	441.3	463.0	484.7	506.4	528.1	538.1	536.1	534.2	532.3	530.3	527.4
122.5°	550.7	554.9	559.1	563.4	567.6	569.1	567.9	566.8	565.6	564.5	561.3
125°	618.6	618.1	617.6	617.1	616.6	615.8	614.7	613.6	612.5	611.3	608.3
127.5°	661.4	661.3	661.2	661.2	661.0	660.2	658.5	656.9	655.2	653.6	651.3
130°	688.0	688.2	688.3	688.6	688.7	687.9	686.1	684.4	682.5	680.8	679.1
132.5°	714.1	714.2	714.4	714.5	714.7	714.1	712.6	711.1	709.6	708.0	706.2
135°	751.7	752.0	752.3	752.7	753.0	752.3	750.8	749.2	747.5	745.9	744.5
137.5°	786.0	786.6	787.1	787.7	788.2	787.7	786.1	784.5	782.9	781.4	779.7
140°	807.4	808.3	809.1	809.8	810.6	810.3	808.9	807.4	806.0	804.5	802.8
142.5°	828.2	829.1	829.9	830.7	831.5	831.2	829.9	828.5	827.3	825.9	823.9
145°	857.4	858.2	859.0	859.8	860.5	860.4	859.3	858.2	857.0	855.9	853.2
147.5°	883.0	883.6	884.3	884.9	885.7	885.6	884.7	883.9	883.0	882.3	879.6
150°	898.6	899.4	900.2	901.0	901.8	901.7	900.8	899.8	898.8	897.9	895.3
152.5°	911.9	913.0	914.0	915.0	916.2	916.2	915.2	914.3	913.3	912.4	909.9
155°	930.4	931.7	933.0	934.3	935.6	935.7	934.8	933.8	932.8	931.8	929.9
157.5°	947.4	948.6	949.8	951.1	952.4	952.4	951.3	950.2	949.2	948.1	946.7
160°	957.2	958.3	959.4	960.5	961.7	961.8	960.8	959.8	958.9	957.9	957.0
162.5°	965.3	966.7	968.0	969.5	970.8	971.0	969.9	968.8	967.7	966.6	965.7
165°	977.5	978.6	979.7	980.8	981.9	981.9	980.8	979.7	978.6	977.5	977.0
167.5°	985.1	986.6	988.0	989.4	990.9	991.1	989.9	988.8	987.7	986.6	986.1
170°	989.8	991.2	992.6	994.1	995.5	995.7	994.6	993.5	992.3	991.2	990.9
172.5°	993.2	994.7	996.1	997.5	999.0	999.2	998.1	996.9	995.8	994.7	994.3
175°	996.2	997.8	999.5	1001.1	1002.7	1002.9	1001.8	1000.7	999.6	998.4	998.1
177.5°	998.1	999.3	1000.4	1001.6	1002.7	1002.9	1002.0	1001.1	1000.2	999.3	999.2
180°	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9



TEST NUMBER: P331693-927

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

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°	7.8	7.9	7.7	7.1	7.1	7.0	8.2	9.5	8.6	8.0	7.7
90°	11.9	10.6	9.3	7.8	6.0	4.3	2.5	0.7	2.5	4.3	6.0
92.5°	15.5	14.9	14.2	13.9	14.1	14.3	14.4	14.6	14.4	14.3	14.1
95°	26.0	24.9	23.7	25.8	31.1	36.4	41.7	47.1	41.7	36.4	31.1
97.5°	32.6	29.9	27.3	33.5	48.5	63.5	78.3	93.3	78.3	63.5	48.5
100°	35.8	33.0	30.3	39.9	61.9	84.0	106.0	128.1	106.0	84.0	61.9
102.5°	88.1	111.0	133.9	147.6	152.3	156.9	161.6	166.3	161.6	156.9	152.3
105°	131.9	175.8	219.7	239.2	234.4	229.6	224.7	219.9	224.7	229.6	234.4
107.5°	167.1	219.7	272.4	296.8	292.8	288.9	285.0	281.1	285.0	288.9	292.8
110°	219.5	266.0	312.4	334.0	330.7	327.3	323.9	320.5	323.9	327.3	330.7



TEST NUMBER: P331693-927

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	342.3	353.8	365.3	369.5	366.5	363.5	360.5	357.5	360.5	363.5	366.5
115°	438.4	434.4	430.3	426.9	424.2	421.4	418.7	416.0	418.7	421.4	424.2
117.5°	488.9	486.2	483.4	480.5	477.4	474.4	471.3	468.3	471.3	474.4	477.4
120°	524.5	521.7	518.7	516.1	513.7	511.3	508.8	506.4	508.8	511.3	513.7
122.5°	558.2	555.0	551.8	549.0	546.4	543.9	541.4	538.8	541.4	543.9	546.4
125°	605.2	602.2	599.1	596.6	594.5	592.4	590.3	588.2	590.3	592.4	594.5
127.5°	649.0	646.7	644.4	642.1	639.8	637.5	635.3	632.9	635.3	637.5	639.8
130°	677.2	675.5	673.8	671.5	669.0	666.4	663.8	661.3	663.8	666.4	669.0
132.5°	704.5	702.7	700.9	698.9	696.8	694.6	692.4	690.2	692.4	694.6	696.8
135°	743.1	741.6	740.1	738.2	735.5	733.0	730.4	727.9	730.4	733.0	735.5
137.5°	778.1	776.4	774.8	773.1	771.3	769.5	767.7	765.9	767.7	769.5	771.3
140°	801.0	799.2	797.5	795.9	794.6	793.4	792.1	790.8	792.1	793.4	794.6
142.5°	821.9	819.8	817.8	816.3	815.1	814.0	812.8	811.6	812.8	814.0	815.1
145°	850.4	847.7	844.9	843.7	843.8	844.0	844.1	844.3	844.1	844.0	843.8
147.5°	876.9	874.1	871.4	870.4	871.0	871.6	872.2	872.8	872.2	871.6	871.0
150°	892.7	890.2	887.6	886.8	888.0	889.1	890.3	891.4	890.3	889.1	888.0
152.5°	907.4	905.0	902.5	902.0	903.2	904.4	905.7	907.0	905.7	904.4	903.2
155°	928.0	926.1	924.2	923.9	925.3	926.8	928.3	929.7	928.3	926.8	925.3
157.5°	945.4	944.0	942.7	942.6	943.8	945.1	946.3	947.5	946.3	945.1	943.8
160°	956.0	955.0	954.0	954.0	955.0	956.0	957.0	957.9	957.0	956.0	955.0
162.5°	964.9	964.1	963.2	963.3	964.2	965.3	966.2	967.2	966.2	965.3	964.2
165°	976.4	976.0	975.5	975.7	976.7	977.7	978.7	979.6	978.7	977.7	976.7
167.5°	985.6	985.2	984.8	985.0	986.0	987.0	987.9	988.9	987.9	987.0	986.0
170°	990.5	990.2	989.9	990.2	991.2	992.1	993.1	994.1	993.1	992.1	991.2
172.5°	994.0	993.7	993.4	993.7	994.7	995.6	996.6	997.5	996.6	995.6	994.7
175°	997.8	997.4	997.1	997.5	998.6	999.8	1000.9	1002.0	1000.9	999.8	998.6
177.5°	999.0	998.9	998.8	999.2	1000.1	1001.0	1001.9	1002.7	1001.9	1001.0	1000.1
180°	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9



TEST NUMBER: P331693-927

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

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°	7.7	7.7	7.3	7.5	7.8	7.8	7.9	7.8	7.9	8.1	7.8
90°	7.8	9.3	10.6	11.9	13.2	14.5	15.3	16.1	16.9	17.7	18.2
92.5°	13.9	14.2	14.9	15.5	16.2	16.8	17.2	17.6	18.1	18.5	18.8
95°	25.8	23.7	24.9	26.0	27.1	28.2	29.0	29.8	30.7	31.4	31.8
97.5°	33.5	27.3	29.9	32.6	35.2	37.8	38.4	39.1	39.7	40.3	40.7
100°	39.9	30.3	33.0	35.8	38.5	41.3	42.5	43.8	45.1	46.4	47.2
102.5°	147.6	133.9	111.0	88.1	65.3	42.4	44.0	45.7	47.5	49.1	50.1
105°	239.2	219.7	175.8	131.9	88.0	44.1	45.9	47.7	49.4	51.2	52.4
107.5°	296.8	272.4	219.7	167.1	114.4	61.8	60.0	58.1	56.4	54.6	54.0
110°	334.0	312.4	266.0	219.5	173.1	126.6	110.5	94.4	78.3	62.3	54.6



TEST NUMBER: P331693-927

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	369.5	365.3	353.8	342.3	330.8	319.3	260.7	202.1	143.4	84.8	55.7
115°	426.9	430.3	434.4	438.4	442.4	446.4	371.9	297.5	223.1	148.6	105.6
117.5°	480.5	483.4	486.2	488.9	491.7	494.4	476.4	458.4	440.5	422.4	394.3
120°	516.1	518.7	521.7	524.5	527.4	530.3	532.3	534.2	536.1	538.1	528.1
122.5°	549.0	551.8	555.0	558.2	561.3	564.5	565.6	566.8	567.9	569.1	567.6
125°	596.6	599.1	602.2	605.2	608.3	611.3	612.5	613.6	614.7	615.8	616.6
127.5°	642.1	644.4	646.7	649.0	651.3	653.6	655.2	656.9	658.5	660.2	661.0
130°	671.5	673.8	675.5	677.2	679.1	680.8	682.5	684.4	686.1	687.9	688.7
132.5°	698.9	700.9	702.7	704.5	706.2	708.0	709.6	711.1	712.6	714.1	714.7
135°	738.2	740.1	741.6	743.1	744.5	745.9	747.5	749.2	750.8	752.3	753.0
137.5°	773.1	774.8	776.4	778.1	779.7	781.4	782.9	784.5	786.1	787.7	788.2
140°	795.9	797.5	799.2	801.0	802.8	804.5	806.0	807.4	808.9	810.3	810.6
142.5°	816.3	817.8	819.8	821.9	823.9	825.9	827.3	828.5	829.9	831.2	831.5
145°	843.7	844.9	847.7	850.4	853.2	855.9	857.0	858.2	859.3	860.4	860.5
147.5°	870.4	871.4	874.1	876.9	879.6	882.3	883.0	883.9	884.7	885.6	885.7
150°	886.8	887.6	890.2	892.7	895.3	897.9	898.8	899.8	900.8	901.7	901.8
152.5°	902.0	902.5	905.0	907.4	909.9	912.4	913.3	914.3	915.2	916.2	916.2
155°	923.9	924.2	926.1	928.0	929.9	931.8	932.8	933.8	934.8	935.7	935.6
157.5°	942.6	942.7	944.0	945.4	946.7	948.1	949.2	950.2	951.3	952.4	952.4
160°	954.0	954.0	955.0	956.0	957.0	957.9	958.9	959.8	960.8	961.8	961.7
162.5°	963.3	963.2	964.1	964.9	965.7	966.6	967.7	968.8	969.9	971.0	970.8
165°	975.7	975.5	976.0	976.4	977.0	977.5	978.6	979.7	980.8	981.9	981.9
167.5°	985.0	984.8	985.2	985.6	986.1	986.6	987.7	988.8	989.9	991.1	990.9
170°	990.2	989.9	990.2	990.5	990.9	991.2	992.3	993.5	994.6	995.7	995.5
172.5°	993.7	993.4	993.7	994.0	994.3	994.7	995.8	996.9	998.1	999.2	999.0
175°	997.5	997.1	997.4	997.8	998.1	998.4	999.6	1000.7	1001.8	1002.9	1002.7
177.5°	999.2	998.8	998.9	999.0	999.2	999.3	1000.2	1001.1	1002.0	1002.9	1002.7
180°	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9



TEST NUMBER: P331693-927

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

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°	7.9	7.7	8.1	7.8	8.1	7.7	7.9	7.8	8.1	7.9	7.8
90°	18.5	18.9	19.3	19.6	19.3	18.9	18.5	18.2	17.7	16.9	16.1
92.5°	18.9	19.2	19.3	19.6	19.3	19.2	18.9	18.8	18.5	18.1	17.6
95°	31.6	31.4	31.3	31.1	31.3	31.4	31.6	31.8	31.4	30.7	29.8
97.5°	41.0	41.1	41.4	41.5	41.4	41.1	41.0	40.7	40.3	39.7	39.1
100°	47.5	47.8	48.2	48.5	48.2	47.8	47.5	47.2	46.4	45.1	43.8
102.5°	50.6	51.0	51.5	52.0	51.5	51.0	50.6	50.1	49.1	47.5	45.7
105°	53.1	53.7	54.3	55.0	54.3	53.7	53.1	52.4	51.2	49.4	47.7
107.5°	54.7	55.3	55.9	56.6	55.9	55.3	54.7	54.0	54.6	56.4	58.1
110°	55.2	55.8	56.5	57.2	56.5	55.8	55.2	54.6	62.3	78.3	94.4



TEST NUMBER: P331693-927

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	56.2	56.7	57.2	57.8	57.2	56.7	56.2	55.7	84.8	143.4	202.1
115°	94.0	82.5	70.9	59.3	70.9	82.5	94.0	105.6	148.6	223.1	297.5
117.5°	356.3	318.3	280.3	242.2	280.3	318.3	356.3	394.3	422.4	440.5	458.4
120°	506.4	484.7	463.0	441.3	463.0	484.7	506.4	528.1	538.1	536.1	534.2
122.5°	563.4	559.1	554.9	550.7	554.9	559.1	563.4	567.6	569.1	567.9	566.8
125°	617.1	617.6	618.1	618.6	618.1	617.6	617.1	616.6	615.8	614.7	613.6
127.5°	661.2	661.2	661.3	661.4	661.3	661.2	661.2	661.0	660.2	658.5	656.9
130°	688.6	688.3	688.2	688.0	688.2	688.3	688.6	688.7	687.9	686.1	684.4
132.5°	714.5	714.4	714.2	714.1	714.2	714.4	714.5	714.7	714.1	712.6	711.1
135°	752.7	752.3	752.0	751.7	752.0	752.3	752.7	753.0	752.3	750.8	749.2
137.5°	787.7	787.1	786.6	786.0	786.6	787.1	787.7	788.2	787.7	786.1	784.5
140°	809.8	809.1	808.3	807.4	808.3	809.1	809.8	810.6	810.3	808.9	807.4
142.5°	830.7	829.9	829.1	828.2	829.1	829.9	830.7	831.5	831.2	829.9	828.5
145°	859.8	859.0	858.2	857.4	858.2	859.0	859.8	860.5	860.4	859.3	858.2
147.5°	884.9	884.3	883.6	883.0	883.6	884.3	884.9	885.7	885.6	884.7	883.9
150°	901.0	900.2	899.4	898.6	899.4	900.2	901.0	901.8	901.7	900.8	899.8
152.5°	915.0	914.0	913.0	911.9	913.0	914.0	915.0	916.2	916.2	915.2	914.3
155°	934.3	933.0	931.7	930.4	931.7	933.0	934.3	935.6	935.7	934.8	933.8
157.5°	951.1	949.8	948.6	947.4	948.6	949.8	951.1	952.4	952.4	951.3	950.2
160°	960.5	959.4	958.3	957.2	958.3	959.4	960.5	961.7	961.8	960.8	959.8
162.5°	969.5	968.0	966.7	965.3	966.7	968.0	969.5	970.8	971.0	969.9	968.8
165°	980.8	979.7	978.6	977.5	978.6	979.7	980.8	981.9	981.9	980.8	979.7
167.5°	989.4	988.0	986.6	985.1	986.6	988.0	989.4	990.9	991.1	989.9	988.8
170°	994.1	992.6	991.2	989.8	991.2	992.6	994.1	995.5	995.7	994.6	993.5
172.5°	997.5	996.1	994.7	993.2	994.7	996.1	997.5	999.0	999.2	998.1	996.9
175°	1001.1	999.5	997.8	996.2	997.8	999.5	1001.1	1002.7	1002.9	1001.8	1000.7
177.5°	1001.6	1000.4	999.3	998.1	999.3	1000.4	1001.6	1002.7	1002.9	1002.0	1001.1
180°	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9



TEST NUMBER: P331693-927

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

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°	7.9	7.8	7.8	7.5	7.3	7.7	7.7	7.7	8.0	8.6	9.5
90°	15.3	14.5	13.2	11.9	10.6	9.3	7.8	6.0	4.3	2.5	0.7
92.5°	17.2	16.8	16.2	15.5	14.9	14.2	13.9	14.1	14.3	14.4	14.6
95°	29.0	28.2	27.1	26.0	24.9	23.7	25.8	31.1	36.4	41.7	47.1
97.5°	38.4	37.8	35.2	32.6	29.9	27.3	33.5	48.5	63.5	78.3	93.3
100°	42.5	41.3	38.5	35.8	33.0	30.3	39.9	61.9	84.0	106.0	128.1
102.5°	44.0	42.4	65.3	88.1	111.0	133.9	147.6	152.3	156.9	161.6	166.3
105°	45.9	44.1	88.0	131.9	175.8	219.7	239.2	234.4	229.6	224.7	219.9
107.5°	60.0	61.8	114.4	167.1	219.7	272.4	296.8	292.8	288.9	285.0	281.1
110°	110.5	126.6	173.1	219.5	266.0	312.4	334.0	330.7	327.3	323.9	320.5



TEST NUMBER: P331693-927

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	260.7	319.3	330.8	342.3	353.8	365.3	369.5	366.5	363.5	360.5	357.5
115°	371.9	446.4	442.4	438.4	434.4	430.3	426.9	424.2	421.4	418.7	416.0
117.5°	476.4	494.4	491.7	488.9	486.2	483.4	480.5	477.4	474.4	471.3	468.3
120°	532.3	530.3	527.4	524.5	521.7	518.7	516.1	513.7	511.3	508.8	506.4
122.5°	565.6	564.5	561.3	558.2	555.0	551.8	549.0	546.4	543.9	541.4	538.8
125°	612.5	611.3	608.3	605.2	602.2	599.1	596.6	594.5	592.4	590.3	588.2
127.5°	655.2	653.6	651.3	649.0	646.7	644.4	642.1	639.8	637.5	635.3	632.9
130°	682.5	680.8	679.1	677.2	675.5	673.8	671.5	669.0	666.4	663.8	661.3
132.5°	709.6	708.0	706.2	704.5	702.7	700.9	698.9	696.8	694.6	692.4	690.2
135°	747.5	745.9	744.5	743.1	741.6	740.1	738.2	735.5	733.0	730.4	727.9
137.5°	782.9	781.4	779.7	778.1	776.4	774.8	773.1	771.3	769.5	767.7	765.9
140°	806.0	804.5	802.8	801.0	799.2	797.5	795.9	794.6	793.4	792.1	790.8
142.5°	827.3	825.9	823.9	821.9	819.8	817.8	816.3	815.1	814.0	812.8	811.6
145°	857.0	855.9	853.2	850.4	847.7	844.9	843.7	843.8	844.0	844.1	844.3
147.5°	883.0	882.3	879.6	876.9	874.1	871.4	870.4	871.0	871.6	872.2	872.8
150°	898.8	897.9	895.3	892.7	890.2	887.6	886.8	888.0	889.1	890.3	891.4
152.5°	913.3	912.4	909.9	907.4	905.0	902.5	902.0	903.2	904.4	905.7	907.0
155°	932.8	931.8	929.9	928.0	926.1	924.2	923.9	925.3	926.8	928.3	929.7
157.5°	949.2	948.1	946.7	945.4	944.0	942.7	942.6	943.8	945.1	946.3	947.5
160°	958.9	957.9	957.0	956.0	955.0	954.0	954.0	955.0	956.0	957.0	957.9
162.5°	967.7	966.6	965.7	964.9	964.1	963.2	963.3	964.2	965.3	966.2	967.2
165°	978.6	977.5	977.0	976.4	976.0	975.5	975.7	976.7	977.7	978.7	979.6
167.5°	987.7	986.6	986.1	985.6	985.2	984.8	985.0	986.0	987.0	987.9	988.9
170°	992.3	991.2	990.9	990.5	990.2	989.9	990.2	991.2	992.1	993.1	994.1
172.5°	995.8	994.7	994.3	994.0	993.7	993.4	993.7	994.7	995.6	996.6	997.5
175°	999.6	998.4	998.1	997.8	997.4	997.1	997.5	998.6	999.8	1000.9	1002.0
177.5°	1000.2	999.3	999.2	999.0	998.9	998.8	999.2	1000.1	1001.0	1001.9	1002.7
180°	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9



TEST NUMBER: P331693-927

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

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°	8.2	7.0	7.1	7.1	7.7	7.9	7.8	8.2	8.7	8.6	9.0
90°	2.5	4.3	6.0	7.8	9.3	10.6	11.9	13.2	14.5	15.3	16.1
92.5°	14.4	14.3	14.1	13.9	14.2	14.9	15.5	16.2	16.8	17.2	17.6
95°	41.7	36.4	31.1	25.8	23.7	24.9	26.0	27.1	28.2	29.0	29.8
97.5°	78.3	63.5	48.5	33.5	27.3	29.9	32.6	35.2	37.8	38.4	39.1
100°	106.0	84.0	61.9	39.9	30.3	33.0	35.8	38.5	41.3	42.5	43.8
102.5°	161.6	156.9	152.3	147.6	133.9	111.0	88.1	65.3	42.4	44.0	45.7
105°	224.7	229.6	234.4	239.2	219.7	175.8	131.9	88.0	44.1	45.9	47.7
107.5°	285.0	288.9	292.8	296.8	272.4	219.7	167.1	114.4	61.8	60.0	58.1
110°	323.9	327.3	330.7	334.0	312.4	266.0	219.5	173.1	126.6	110.5	94.4



TEST NUMBER: P331693-927

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

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	360.5	363.5	366.5	369.5	365.3	353.8	342.3	330.8	319.3	260.7	202.1
115°	418.7	421.4	424.2	426.9	430.3	434.4	438.4	442.4	446.4	371.9	297.5
117.5°	471.3	474.4	477.4	480.5	483.4	486.2	488.9	491.7	494.4	476.4	458.4
120°	508.8	511.3	513.7	516.1	518.7	521.7	524.5	527.4	530.3	532.3	534.2
122.5°	541.4	543.9	546.4	549.0	551.8	555.0	558.2	561.3	564.5	565.6	566.8
125°	590.3	592.4	594.5	596.6	599.1	602.2	605.2	608.3	611.3	612.5	613.6
127.5°	635.3	637.5	639.8	642.1	644.4	646.7	649.0	651.3	653.6	655.2	656.9
130°	663.8	666.4	669.0	671.5	673.8	675.5	677.2	679.1	680.8	682.5	684.4
132.5°	692.4	694.6	696.8	698.9	700.9	702.7	704.5	706.2	708.0	709.6	711.1
135°	730.4	733.0	735.5	738.2	740.1	741.6	743.1	744.5	745.9	747.5	749.2
137.5°	767.7	769.5	771.3	773.1	774.8	776.4	778.1	779.7	781.4	782.9	784.5
140°	792.1	793.4	794.6	795.9	797.5	799.2	801.0	802.8	804.5	806.0	807.4
142.5°	812.8	814.0	815.1	816.3	817.8	819.8	821.9	823.9	825.9	827.3	828.5
145°	844.1	844.0	843.8	843.7	844.9	847.7	850.4	853.2	855.9	857.0	858.2
147.5°	872.2	871.6	871.0	870.4	871.4	874.1	876.9	879.6	882.3	883.0	883.9
150°	890.3	889.1	888.0	886.8	887.6	890.2	892.7	895.3	897.9	898.8	899.8
152.5°	905.7	904.4	903.2	902.0	902.5	905.0	907.4	909.9	912.4	913.3	914.3
155°	928.3	926.8	925.3	923.9	924.2	926.1	928.0	929.9	931.8	932.8	933.8
157.5°	946.3	945.1	943.8	942.6	942.7	944.0	945.4	946.7	948.1	949.2	950.2
160°	957.0	956.0	955.0	954.0	954.0	955.0	956.0	957.0	957.9	958.9	959.8
162.5°	966.2	965.3	964.2	963.3	963.2	964.1	964.9	965.7	966.6	967.7	968.8
165°	978.7	977.7	976.7	975.7	975.5	976.0	976.4	977.0	977.5	978.6	979.7
167.5°	987.9	987.0	986.0	985.0	984.8	985.2	985.6	986.1	986.6	987.7	988.8
170°	993.1	992.1	991.2	990.2	989.9	990.2	990.5	990.9	991.2	992.3	993.5
172.5°	996.6	995.6	994.7	993.7	993.4	993.7	994.0	994.3	994.7	995.8	996.9
175°	1000.9	999.8	998.6	997.5	997.1	997.4	997.8	998.1	998.4	999.6	1000.7
177.5°	1001.9	1001.0	1000.1	999.2	998.8	998.9	999.0	999.2	999.3	1000.2	1001.1
180°	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9	999.9



TEST NUMBER: P331693-927

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

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°	8.9	9.0	9.1	9.2	9.3	9.3	9.1
90°	16.9	17.7	18.2	18.5	18.9	19.3	19.6
92.5°	18.1	18.5	18.8	18.9	19.2	19.3	19.6
95°	30.7	31.4	31.8	31.6	31.4	31.3	31.1
97.5°	39.7	40.3	40.7	41.0	41.1	41.4	41.5
100°	45.1	46.4	47.2	47.5	47.8	48.2	48.5
102.5°	47.5	49.1	50.1	50.6	51.0	51.5	52.0
105°	49.4	51.2	52.4	53.1	53.7	54.3	55.0
107.5°	56.4	54.6	54.0	54.7	55.3	55.9	56.6
110°	78.3	62.3	54.6	55.2	55.8	56.5	57.2



TEST NUMBER: P331693-927

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

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	143.4	84.8	55.7	56.2	56.7	57.2	57.8
115°	223.1	148.6	105.6	94.0	82.5	70.9	59.3
117.5°	440.5	422.4	394.3	356.3	318.3	280.3	242.2
120°	536.1	538.1	528.1	506.4	484.7	463.0	441.3
122.5°	567.9	569.1	567.6	563.4	559.1	554.9	550.7
125°	614.7	615.8	616.6	617.1	617.6	618.1	618.6
127.5°	658.5	660.2	661.0	661.2	661.2	661.3	661.4
130°	686.1	687.9	688.7	688.6	688.3	688.2	688.0
132.5°	712.6	714.1	714.7	714.5	714.4	714.2	714.1
135°	750.8	752.3	753.0	752.7	752.3	752.0	751.7
137.5°	786.1	787.7	788.2	787.7	787.1	786.6	786.0
140°	808.9	810.3	810.6	809.8	809.1	808.3	807.4
142.5°	829.9	831.2	831.5	830.7	829.9	829.1	828.2
145°	859.3	860.4	860.5	859.8	859.0	858.2	857.4
147.5°	884.7	885.6	885.7	884.9	884.3	883.6	883.0
150°	900.8	901.7	901.8	901.0	900.2	899.4	898.6
152.5°	915.2	916.2	916.2	915.0	914.0	913.0	911.9
155°	934.8	935.7	935.6	934.3	933.0	931.7	930.4
157.5°	951.3	952.4	952.4	951.1	949.8	948.6	947.4
160°	960.8	961.8	961.7	960.5	959.4	958.3	957.2
162.5°	969.9	971.0	970.8	969.5	968.0	966.7	965.3
165°	980.8	981.9	981.9	980.8	979.7	978.6	977.5
167.5°	989.9	991.1	990.9	989.4	988.0	986.6	985.1
170°	994.6	995.7	995.5	994.1	992.6	991.2	989.8
172.5°	998.1	999.2	999.0	997.5	996.1	994.7	993.2
175°	1001.8	1002.9	1002.7	1001.1	999.5	997.8	996.2
177.5°	1002.0	1002.9	1002.7	1001.6	1000.4	999.3	998.1
180°	999.9	999.9	999.9	999.9	999.9	999.9	999.9

(END OF REPORT)