

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: P331658

Luminaire Tested: **SA2XXRDIP-C485D725U835-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331658
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-C485D725U835-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 725 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4451.1 lumens
Efficiency: N/A
Efficacy: 115.9 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

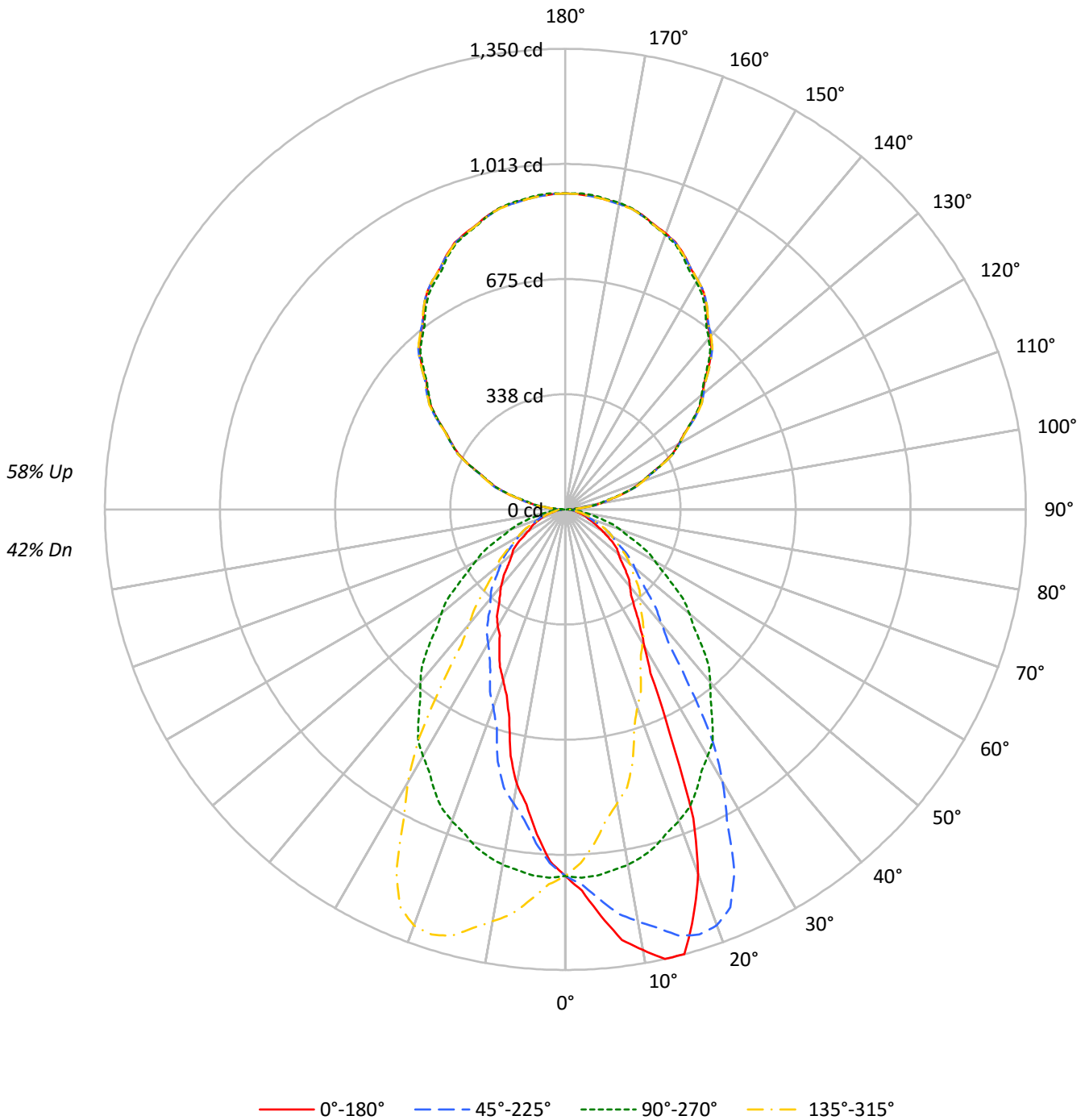
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	79	79	79	63	63	63	49	49	49	42
1	97	93	89	86	88	85	82	79	70	68	66	56	55	54	44	43	42	36
2	88	82	76	71	81	75	70	66	62	59	56	50	48	46	39	38	37	32
3	81	72	65	60	74	66	61	56	55	51	48	45	42	40	36	34	32	28
4	75	64	57	51	68	59	53	48	50	45	41	41	37	35	32	30	28	24
5	69	58	50	45	63	53	47	42	45	40	36	37	33	30	30	27	25	22
6	64	52	44	39	58	48	41	37	41	36	32	34	30	27	27	24	22	20
7	59	47	40	34	54	44	37	32	37	32	28	31	27	24	25	22	20	18
8	55	43	36	31	50	40	33	29	34	29	25	28	25	22	23	20	18	16
9	51	39	32	28	47	37	30	26	31	26	23	26	23	20	22	19	17	15
10	48	36	29	25	44	34	28	24	29	24	21	24	21	18	20	17	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17354	17354	17354	17354
5°	19379	17462	15483	17462
10°	21502	17339	13421	17339
15°	22559	17085	10574	17085
20°	19557	16708	9149	16708
25°	12827	16192	8170	16192
30°	8634	15567	7394	15567
35°	6993	14781	6668	14781
40°	6218	13923	6171	13923
45°	5628	12919	5507	12919
50°	5122	11921	5102	11921
55°	4814	10818	4752	10818
60°	4027	9804	3978	9804
65°	3396	8902	3851	8902
70°	3139	7950	3630	7950
75°	2938	6918	3356	6918
80°	2706	5690	2985	5690
85°	2482	4502	2631	4502



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.9	2.3
10°-20°	283.9	6.4
20°-30°	365.8	8.2
30°-40°	347.6	7.8
40°-50°	297.8	6.7
50°-60°	226.8	5.1
60°-70°	143.4	3.2
70°-80°	71.6	1.6
80°-90°	22.3	0.5
90°-100°	58.7	1.3
100°-110°	182.3	4.1
110°-120°	311.6	7.0
120°-130°	409.8	9.2
130°-140°	459.9	10.3
140°-150°	450.9	10.1
150°-160°	378.2	8.5
160°-170°	250.9	5.6
170°-180°	87.7	2.0
0°-30°	751.6	16.9
0°-40°	1099.2	24.7
0°-60°	1623.8	36.5
0°-90°	1861.1	41.8
90°-120°	552.6	12.4
90°-150°	1873.2	42.1
90°-180°	2590.0	58.2
0°-180°	4451.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1075	1075	1075	1075	1075	
5°	1196	1077	955	1077	1196	118
15°	1350	1022	633	1022	1350	364
25°	720	909	459	909	720	342
35°	355	750	338	750	355	227
45°	246	566	241	566	246	191
55°	171	384	169	384	171	150
65°	89	233	101	233	89	90
75°	47	111	54	111	47	50
85°	13	24	14	24	13	15
90°	27	1	27	1	27	12
95°	48	41	48	41	48	54
105°	174	168	174	168	174	182
115°	313	313	313	313	313	309
125°	456	455	456	455	456	407
135°	596	589	596	589	596	458
145°	722	714	722	714	722	451
155°	823	817	823	817	823	379
165°	890	889	890	889	890	251
175°	922	925	922	925	922	88
180°	926	926	926	926	926	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8
2.5°	1118.4	1119.3	1120.2	1118.1	1118.1	1116.3	1112.4	1109.4	1101.0	1099.8	1099.8
5°	1195.7	1195.0	1196.5	1191.6	1184.9	1183.4	1176.3	1167.0	1157.3	1146.4	1144.2
7.5°	1272.7	1271.6	1268.6	1267.7	1262.6	1251.3	1239.9	1227.7	1211.6	1195.8	1187.9
10°	1311.5	1323.8	1316.4	1303.3	1305.9	1288.4	1279.0	1263.0	1249.5	1226.0	1220.8
12.5°	1349.7	1354.6	1352.2	1344.8	1341.5	1329.3	1316.7	1302.7	1277.9	1256.8	1238.4
15°	1349.6	1356.7	1358.6	1356.3	1358.2	1357.4	1350.7	1339.1	1317.5	1294.3	1274.2
17.5°	1250.0	1254.9	1267.1	1275.4	1285.9	1308.0	1318.9	1323.2	1319.9	1306.7	1292.5
20°	1138.2	1130.0	1164.4	1181.9	1196.9	1234.2	1266.3	1278.6	1298.4	1298.1	1294.3
22.5°	979.9	981.8	1014.4	1035.2	1078.9	1116.2	1152.8	1199.2	1237.5	1262.8	1277.6
25°	720.0	734.2	766.7	795.0	843.6	913.1	976.2	1049.4	1118.4	1173.0	1224.9
27.5°	540.7	541.8	567.5	593.8	622.6	679.5	759.0	846.4	944.9	1026.1	1119.6
30°	463.1	460.8	471.7	487.7	512.4	556.4	616.2	702.1	800.3	922.8	1031.8
32.5°	408.1	408.2	416.4	428.3	448.7	478.4	519.4	589.1	682.0	802.4	930.2
35°	354.8	354.4	360.4	369.0	377.5	396.6	424.6	461.2	525.1	637.5	768.2
37.5°	316.5	318.2	321.1	326.5	335.9	346.5	363.4	387.9	433.4	499.9	609.7
40°	295.0	295.8	299.9	304.4	310.0	318.2	332.0	351.8	385.0	438.0	518.3
42.5°	275.3	276.0	279.0	283.1	287.5	295.8	307.2	324.3	351.3	392.6	458.9
45°	246.5	246.5	249.1	250.9	255.8	263.3	272.6	286.8	305.5	336.1	380.2
47.5°	219.4	219.5	221.2	224.4	227.5	233.3	242.5	254.1	267.7	291.4	329.0
50°	203.9	204.3	205.4	208.0	209.9	215.1	222.2	232.3	246.5	264.8	296.1
52.5°	191.3	191.1	192.5	193.7	194.9	198.7	204.0	212.9	225.6	241.5	267.5
55°	171.0	169.5	171.8	173.6	174.8	176.3	179.2	184.9	195.7	209.1	228.5
57.5°	145.6	145.0	146.6	148.3	151.8	155.9	158.4	162.0	167.6	177.2	196.5
60°	124.7	124.7	128.1	129.2	133.3	138.5	143.8	146.8	152.4	158.7	172.9
62.5°	106.2	106.5	108.1	109.2	111.5	117.9	125.3	131.8	137.1	143.2	152.6
65°	88.9	89.6	89.6	90.4	91.9	93.4	96.3	101.6	110.9	119.5	126.6
67.5°	75.4	75.7	75.9	76.6	77.0	78.6	79.8	82.2	84.3	92.5	101.3
70°	66.5	67.6	67.2	68.0	68.3	69.1	70.6	71.7	75.1	76.9	82.2
72.5°	58.1	58.9	58.9	59.3	60.3	60.4	61.6	62.7	64.9	66.5	69.3
75°	47.1	46.7	47.1	47.8	48.2	48.5	48.5	50.0	51.2	52.7	54.5
77.5°	36.3	36.7	36.6	36.7	36.7	37.4	37.3	38.0	39.1	39.9	40.8
80°	29.1	29.5	29.1	29.5	29.9	30.2	29.9	30.2	31.4	32.1	32.1
82.5°	22.6	22.6	22.9	22.9	23.0	23.1	23.6	23.7	24.5	24.3	24.6
85°	13.4	13.1	13.1	13.1	13.4	13.8	13.4	13.4	13.8	13.8	13.8
87.5°	10.1	10.4	10.3	10.3	10.3	10.3	10.3	10.7	10.5	10.8	9.8
90°	26.6	26.4	26.2	26.1	25.9	26.0	26.3	26.7	27.0	27.4	23.5
92.5°	25.3	25.3	25.3	25.2	25.2	25.1	25.1	25.0	24.9	24.9	24.0
95°	48.5	48.8	49.2	49.5	49.9	50.0	50.0	50.0	50.0	50.0	49.7
97.5°	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	83.4
100°	107.1	107.3	107.4	107.6	107.8	107.9	107.9	107.9	107.9	107.9	107.3
102.5°	133.3	133.5	133.7	133.9	134.0	134.1	133.9	133.8	133.6	133.5	132.8
105°	173.5	173.5	173.5	173.5	173.5	173.4	173.0	172.7	172.3	172.0	171.6
107.5°	211.4	212.2	213.0	213.8	214.6	214.9	214.7	214.6	214.5	214.3	214.3
110°	240.7	241.3	241.8	242.3	242.8	243.1	243.1	243.1	243.1	243.1	243.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	268.9	269.3	269.6	270.0	270.4	270.8	271.2	271.6	272.1	272.5	272.6
115°	312.7	313.2	313.7	314.2	314.7	315.1	315.3	315.4	315.6	315.8	316.1
117.5°	354.4	354.9	355.4	356.0	356.5	356.9	357.4	357.8	358.2	358.6	359.6
120°	383.8	384.3	384.8	385.3	385.9	386.1	386.1	386.1	386.1	386.1	387.5
122.5°	412.6	412.9	413.3	413.7	414.1	414.5	414.9	415.3	415.7	416.1	417.1
125°	456.5	456.7	456.8	457.0	457.2	457.5	458.0	458.6	459.1	459.6	460.1
127.5°	496.5	497.1	497.6	498.2	498.7	499.3	499.9	500.6	501.2	501.8	502.4
130°	525.3	526.0	526.7	527.3	528.0	528.6	528.9	529.3	529.6	530.0	530.3
132.5°	552.8	553.3	553.9	554.4	555.0	555.7	556.4	557.2	558.0	558.7	558.6
135°	595.6	596.1	596.7	597.2	597.7	598.0	598.2	598.4	598.6	598.7	598.4
137.5°	634.4	635.1	635.8	636.5	637.2	637.6	637.7	637.9	638.0	638.1	637.7
140°	661.3	662.0	662.7	663.4	664.0	664.4	664.4	664.4	664.4	664.4	663.5
142.5°	685.7	686.4	687.0	687.7	688.4	688.7	688.6	688.4	688.3	688.2	687.6
145°	722.2	722.9	723.6	724.3	725.0	725.3	725.1	724.9	724.8	724.6	723.5
147.5°	754.9	755.6	756.2	756.9	757.6	757.7	757.3	756.9	756.5	756.2	755.5
150°	776.2	776.7	777.2	777.7	778.3	778.3	777.7	777.2	776.7	776.2	775.5
152.5°	796.2	796.8	797.5	798.2	798.8	798.8	798.2	797.5	796.8	796.2	795.3
155°	823.1	823.6	824.1	824.6	825.2	825.0	824.1	823.2	822.4	821.5	821.0
157.5°	846.2	847.0	847.9	848.7	849.5	849.4	848.2	847.0	845.8	844.6	844.3
160°	860.6	861.3	862.0	862.7	863.4	863.2	862.2	861.1	860.1	859.0	858.9
162.5°	873.1	873.9	874.8	875.6	876.4	876.3	875.1	873.9	872.7	871.5	871.4
165°	889.5	890.4	891.2	892.1	893.0	892.8	891.6	890.4	889.2	887.9	887.9
167.5°	903.0	903.9	904.8	905.7	906.6	906.4	905.2	904.0	902.8	901.5	901.6
170°	909.8	910.9	911.9	913.0	914.0	913.9	912.7	911.5	910.3	909.0	909.2
172.5°	915.5	916.5	917.5	918.6	919.6	919.5	918.3	917.1	915.9	914.7	914.9
175°	921.6	922.6	923.6	924.7	925.7	925.6	924.4	923.2	922.0	920.8	921.1
177.5°	924.4	925.2	926.0	926.9	927.7	927.7	926.9	926.0	925.2	924.4	924.6
180°	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8
2.5°	1100.4	1098.1	1096.0	1090.6	1087.9	1081.9	1081.0	1080.7	1073.0	1065.5	1063.4
5°	1138.2	1132.3	1123.3	1112.8	1102.0	1090.8	1083.3	1077.4	1062.4	1048.2	1040.0
7.5°	1176.3	1163.5	1148.0	1128.2	1111.7	1093.2	1079.5	1067.1	1045.9	1025.6	1011.9
10°	1204.7	1183.8	1163.3	1136.0	1114.7	1093.8	1074.4	1057.6	1033.7	1006.8	987.7
12.5°	1222.3	1199.3	1171.0	1144.4	1116.8	1090.2	1064.2	1042.6	1014.6	986.8	964.1
15°	1246.2	1221.5	1187.2	1149.1	1113.6	1078.9	1049.0	1022.1	985.5	952.3	924.6
17.5°	1265.7	1231.7	1194.8	1150.8	1109.7	1065.6	1027.1	992.7	952.0	911.9	879.4
20°	1271.9	1238.3	1195.7	1151.7	1103.1	1051.2	1009.8	972.4	928.7	885.0	847.7
22.5°	1268.0	1241.9	1194.5	1141.8	1092.1	1037.8	991.0	947.6	899.2	854.6	811.3
25°	1241.7	1232.7	1187.9	1130.4	1073.6	1010.5	956.4	908.9	853.7	805.9	758.8
27.5°	1180.2	1199.6	1171.8	1110.5	1047.4	979.7	918.9	864.9	807.5	753.7	706.8
30°	1121.1	1165.5	1153.5	1096.8	1026.2	959.7	891.4	835.0	773.8	718.5	672.2
32.5°	1040.1	1113.5	1125.2	1077.7	1004.7	931.6	860.0	803.9	740.0	681.7	636.6
35°	911.2	1021.0	1071.4	1041.1	967.9	889.2	815.2	749.9	685.6	628.1	583.3
37.5°	757.4	906.9	991.0	993.1	925.9	844.0	763.5	698.6	632.8	576.4	527.9
40°	657.6	819.7	929.1	953.4	896.6	808.1	726.7	660.6	596.4	541.1	485.5
42.5°	568.0	729.5	864.0	906.2	861.1	773.2	691.5	622.4	559.9	507.6	450.8
45°	459.3	600.5	748.7	824.2	799.2	717.7	631.5	565.8	507.1	461.9	407.4
47.5°	387.5	487.0	630.4	732.5	732.0	657.7	572.9	509.9	455.5	413.2	369.0
50°	346.5	433.2	554.6	670.3	680.0	617.7	537.0	474.6	423.9	379.4	343.9
52.5°	309.8	381.2	490.3	601.3	628.9	574.9	496.7	439.1	389.8	348.9	318.5
55°	261.8	317.0	400.0	503.8	545.6	507.5	438.0	384.3	344.3	310.0	283.8
57.5°	221.4	262.9	329.4	413.0	461.7	437.7	380.5	336.8	302.6	271.5	250.9
60°	196.1	230.0	286.4	356.3	410.0	393.2	344.3	303.6	274.5	247.6	228.2
62.5°	172.2	201.4	249.7	306.4	355.7	348.7	308.8	274.6	249.1	224.6	208.2
65°	138.5	159.8	197.5	242.0	281.6	284.9	256.2	233.0	210.2	190.8	176.3
67.5°	110.3	124.2	150.8	188.2	217.9	228.5	210.9	193.2	175.1	160.1	147.5
70°	93.0	104.2	123.6	153.9	181.1	192.3	182.2	168.4	152.7	140.4	129.6
72.5°	75.4	86.3	100.6	122.8	146.2	158.3	154.8	144.8	132.1	121.9	111.7
75°	56.8	60.1	69.8	84.8	103.1	113.5	116.1	110.9	100.8	93.0	87.0
77.5°	42.0	44.0	48.6	56.5	68.4	77.7	81.6	81.0	74.0	69.5	63.9
80°	33.6	34.7	37.0	40.3	49.3	58.6	61.2	61.2	56.4	54.5	48.9
82.5°	25.5	26.4	27.7	29.6	33.8	41.9	44.8	45.4	42.3	39.9	35.5
85°	14.6	14.2	14.9	16.1	16.8	19.0	23.5	24.3	23.5	20.5	19.4
87.5°	9.0	8.6	7.8	6.9	6.8	6.7	7.7	8.8	8.0	7.6	7.4
90°	19.7	15.9	12.1	9.1	7.0	5.0	2.9	0.8	2.9	5.0	7.0
92.5°	23.0	22.1	21.2	20.0	18.5	17.0	15.4	13.9	15.4	17.0	18.5
95°	49.3	49.0	48.6	47.6	45.9	44.1	42.4	40.6	42.4	44.1	45.9
97.5°	82.8	82.1	81.5	80.4	78.8	77.3	75.8	74.3	75.8	77.3	78.8
100°	106.8	106.3	105.8	104.8	103.4	102.0	100.7	99.3	100.7	102.0	103.4
102.5°	132.2	131.5	130.9	130.0	128.9	127.8	126.6	125.5	126.6	127.8	128.9
105°	171.3	170.9	170.6	170.1	169.6	169.1	168.6	168.1	168.6	169.1	169.6
107.5°	214.3	214.3	214.3	213.9	213.2	212.4	211.7	210.9	211.7	212.4	213.2
110°	243.1	243.1	243.1	242.6	241.5	240.5	239.4	238.4	239.4	240.5	241.5



TEST NUMBER: P331658

CATALOG NUMBER: SA2XXRDIP-C485D725U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	272.8	272.9	273.0	272.6	271.5	270.5	269.5	268.4	269.5	270.5	271.5
115°	316.5	316.8	317.2	316.8	315.8	314.7	313.7	312.7	313.7	314.7	315.8
117.5°	360.6	361.5	362.5	362.3	360.9	359.5	358.1	356.7	358.1	359.5	360.9
120°	388.9	390.3	391.7	391.7	390.3	388.9	387.5	386.1	387.5	388.9	390.3
122.5°	418.1	419.1	420.0	419.7	418.0	416.4	414.7	413.0	414.7	416.4	418.0
125°	460.6	461.2	461.7	461.2	459.6	458.0	456.5	454.9	456.5	458.0	459.6
127.5°	503.1	503.7	504.3	503.6	501.7	499.7	497.7	495.7	497.7	499.7	501.7
130°	530.6	531.0	531.3	530.4	528.1	525.9	523.6	521.4	523.6	525.9	528.1
132.5°	558.6	558.5	558.4	557.5	555.6	553.8	552.0	550.1	552.0	553.8	555.6
135°	598.0	597.7	597.3	596.2	594.3	592.4	590.5	588.6	590.5	592.4	594.3
137.5°	637.2	636.8	636.3	635.3	633.8	632.2	630.6	629.1	630.6	632.2	633.8
140°	662.7	661.8	660.9	659.7	658.1	656.6	655.0	653.5	655.0	656.6	658.1
142.5°	687.0	686.4	685.8	684.7	683.2	681.6	680.0	678.5	680.0	681.6	683.2
145°	722.5	721.5	720.4	719.3	718.1	716.9	715.6	714.4	715.6	716.9	718.1
147.5°	754.8	754.1	753.4	752.3	750.8	749.4	747.9	746.5	747.9	749.4	750.8
150°	774.8	774.1	773.4	772.5	771.5	770.4	769.4	768.4	769.4	770.4	771.5
152.5°	794.5	793.7	792.8	791.9	790.9	789.8	788.8	787.7	788.8	789.8	790.9
155°	820.5	819.9	819.4	818.9	818.4	817.9	817.3	816.8	817.3	817.9	818.4
157.5°	844.0	843.7	843.4	843.1	842.7	842.4	842.0	841.7	842.0	842.4	842.7
160°	858.7	858.5	858.3	858.1	857.7	857.4	857.0	856.7	857.0	857.4	857.7
162.5°	871.2	871.0	870.8	870.7	870.6	870.6	870.5	870.4	870.5	870.6	870.6
165°	887.9	887.9	887.9	888.0	888.2	888.4	888.6	888.7	888.6	888.4	888.2
167.5°	901.6	901.7	901.7	902.0	902.5	903.0	903.5	904.0	903.5	903.0	902.5
170°	909.4	909.6	909.7	910.1	910.6	911.1	911.7	912.2	911.7	911.1	910.6
172.5°	915.0	915.2	915.4	915.7	916.2	916.8	917.3	917.8	917.3	916.8	916.2
175°	921.5	921.8	922.2	922.6	923.1	923.6	924.2	924.7	924.2	923.6	923.1
177.5°	924.9	925.2	925.5	925.8	926.2	926.7	927.1	927.5	927.1	926.7	926.2
180°	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2



TEST NUMBER: P331658

CATALOG NUMBER: SA2XXRDIP-C485D725U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8
2.5°	1059.5	1057.4	1053.5	1047.6	1044.0	1037.7	1033.5	1035.9	1036.5	1035.9	1035.3
5°	1031.1	1023.2	1012.4	1001.9	992.2	981.8	975.8	973.2	967.9	965.0	963.5
7.5°	996.6	983.1	967.8	949.6	934.1	917.9	909.6	905.5	894.8	889.0	883.9
10°	970.9	949.6	934.3	910.4	895.9	874.6	860.0	860.4	845.8	837.6	831.6
12.5°	942.6	919.2	893.7	872.2	852.0	834.9	817.3	810.2	794.7	786.8	770.7
15°	895.5	868.2	841.4	812.2	791.7	765.2	739.8	708.8	683.8	662.1	656.1
17.5°	844.1	810.4	783.4	749.2	714.0	669.4	640.0	622.0	606.9	595.5	587.0
20°	808.9	774.5	745.8	694.2	646.8	616.5	594.9	581.1	565.4	553.1	546.3
22.5°	771.8	736.0	696.8	639.2	602.3	578.0	558.7	542.8	532.2	522.6	516.5
25°	719.2	680.0	615.4	575.8	546.0	520.6	507.1	497.4	486.2	473.1	467.2
27.5°	663.7	601.3	554.9	525.5	497.0	480.5	468.4	453.9	443.9	438.0	431.8
30°	622.1	559.8	523.6	491.4	471.3	453.0	438.8	430.6	420.9	410.8	406.7
32.5°	575.8	526.0	491.3	464.6	444.1	428.5	417.3	404.0	397.0	390.8	382.2
35°	518.3	480.6	448.9	427.2	407.8	395.1	382.0	374.2	361.5	356.3	352.9
37.5°	469.6	436.9	413.2	390.4	375.0	361.0	353.0	340.5	335.0	327.7	320.6
40°	442.1	410.0	387.3	368.6	351.4	340.9	330.9	320.8	312.6	309.2	300.6
42.5°	414.1	387.9	365.1	344.7	333.2	322.1	309.4	302.0	293.4	288.0	282.7
45°	375.3	352.2	332.7	315.9	303.2	291.7	283.4	271.1	266.3	255.4	250.9
47.5°	341.2	319.7	301.2	285.2	272.8	265.3	253.3	243.6	235.9	229.2	223.5
50°	317.0	299.1	281.2	267.0	255.8	245.0	232.7	227.8	215.8	212.5	209.1
52.5°	294.9	277.9	261.5	247.6	236.4	225.9	215.0	208.7	200.6	197.2	194.8
55°	264.0	247.6	231.9	219.6	208.4	197.5	190.8	183.0	179.2	176.6	173.6
57.5°	232.9	218.2	206.1	193.7	182.4	173.8	166.0	161.3	157.4	154.0	150.4
60°	213.2	199.0	188.2	176.6	165.1	158.0	152.0	146.4	141.9	136.7	135.2
62.5°	192.3	179.9	170.0	158.7	148.6	142.1	136.5	131.2	125.8	118.2	116.1
65°	163.6	153.9	143.4	134.1	125.1	118.8	110.5	104.6	102.3	101.6	101.2
67.5°	137.6	128.4	119.4	109.9	101.7	95.8	91.6	90.7	89.2	88.7	87.7
70°	120.2	111.7	102.7	93.7	85.9	84.8	83.3	81.8	79.9	79.2	78.4
72.5°	104.7	95.8	86.9	79.7	76.3	74.9	73.4	71.9	70.7	69.9	69.5
75°	80.3	72.1	66.1	63.5	61.6	60.5	58.3	57.1	56.4	55.3	54.9
77.5°	57.8	53.2	50.4	48.8	46.8	45.6	44.4	43.2	42.4	42.2	41.6
80°	44.1	41.8	40.0	37.7	37.0	35.5	35.1	34.0	34.4	33.2	33.2
82.5°	34.2	31.4	29.8	28.8	28.0	26.8	26.4	25.9	26.0	25.2	25.2
85°	17.6	16.8	16.1	15.3	15.3	14.2	14.6	14.2	14.2	13.4	13.1
87.5°	7.5	7.8	8.0	8.7	9.5	10.0	9.9	9.5	9.4	9.4	9.1
90°	9.1	12.1	15.9	19.7	23.5	27.4	27.0	26.7	26.3	26.0	25.9
92.5°	20.0	21.2	22.1	23.0	24.0	24.9	24.9	25.0	25.1	25.1	25.2
95°	47.6	48.6	49.0	49.3	49.7	50.0	50.0	50.0	50.0	50.0	49.9
97.5°	80.4	81.5	82.1	82.8	83.4	84.1	84.1	84.1	84.1	84.1	84.1
100°	104.8	105.8	106.3	106.8	107.3	107.9	107.9	107.9	107.9	107.9	107.8
102.5°	130.0	130.9	131.5	132.2	132.8	133.5	133.6	133.8	133.9	134.1	134.0
105°	170.1	170.6	170.9	171.3	171.6	172.0	172.3	172.7	173.0	173.4	173.5
107.5°	213.9	214.3	214.3	214.3	214.3	214.3	214.5	214.6	214.7	214.9	214.6
110°	242.6	243.1	243.1	243.1	243.1	243.1	243.1	243.1	243.1	243.1	242.8



TEST NUMBER: P331658

CATALOG NUMBER: SA2XXRDIP-C485D725U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	272.6	273.0	272.9	272.8	272.6	272.5	272.1	271.6	271.2	270.8	270.4
115°	316.8	317.2	316.8	316.5	316.1	315.8	315.6	315.4	315.3	315.1	314.7
117.5°	362.3	362.5	361.5	360.6	359.6	358.6	358.2	357.8	357.4	356.9	356.5
120°	391.7	391.7	390.3	388.9	387.5	386.1	386.1	386.1	386.1	386.1	385.9
122.5°	419.7	420.0	419.1	418.1	417.1	416.1	415.7	415.3	414.9	414.5	414.1
125°	461.2	461.7	461.2	460.6	460.1	459.6	459.1	458.6	458.0	457.5	457.2
127.5°	503.6	504.3	503.7	503.1	502.4	501.8	501.2	500.6	499.9	499.3	498.7
130°	530.4	531.3	531.0	530.6	530.3	530.0	529.6	529.3	528.9	528.6	528.0
132.5°	557.5	558.4	558.5	558.6	558.6	558.7	558.0	557.2	556.4	555.7	555.0
135°	596.2	597.3	597.7	598.0	598.4	598.7	598.6	598.4	598.2	598.0	597.7
137.5°	635.3	636.3	636.8	637.2	637.7	638.1	638.0	637.9	637.7	637.6	637.2
140°	659.7	660.9	661.8	662.7	663.5	664.4	664.4	664.4	664.4	664.4	664.0
142.5°	684.7	685.8	686.4	687.0	687.6	688.2	688.3	688.4	688.6	688.7	688.4
145°	719.3	720.4	721.5	722.5	723.5	724.6	724.8	724.9	725.1	725.3	725.0
147.5°	752.3	753.4	754.1	754.8	755.5	756.2	756.5	756.9	757.3	757.7	757.6
150°	772.5	773.4	774.1	774.8	775.5	776.2	776.7	777.2	777.7	778.3	778.3
152.5°	791.9	792.8	793.7	794.5	795.3	796.2	796.8	797.5	798.2	798.8	798.8
155°	818.9	819.4	819.9	820.5	821.0	821.5	822.4	823.2	824.1	825.0	825.2
157.5°	843.1	843.4	843.7	844.0	844.3	844.6	845.8	847.0	848.2	849.4	849.5
160°	858.1	858.3	858.5	858.7	858.9	859.0	860.1	861.1	862.2	863.2	863.4
162.5°	870.7	870.8	871.0	871.2	871.4	871.5	872.7	873.9	875.1	876.3	876.4
165°	888.0	887.9	887.9	887.9	887.9	887.9	889.2	890.4	891.6	892.8	893.0
167.5°	902.0	901.7	901.7	901.6	901.6	901.5	902.8	904.0	905.2	906.4	906.6
170°	910.1	909.7	909.6	909.4	909.2	909.0	910.3	911.5	912.7	913.9	914.0
172.5°	915.7	915.4	915.2	915.0	914.9	914.7	915.9	917.1	918.3	919.5	919.6
175°	922.6	922.2	921.8	921.5	921.1	920.8	922.0	923.2	924.4	925.6	925.7
177.5°	925.8	925.5	925.2	924.9	924.6	924.4	925.2	926.0	926.9	927.7	927.7
180°	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2



TEST NUMBER: P331658

CATALOG NUMBER: SA2XXRDIP-C485D725U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8
2.5°	1032.0	1032.6	1031.7	1032.3	1031.7	1032.6	1032.0	1035.3	1035.9	1036.5	1035.9
5°	961.6	957.1	956.4	955.3	956.4	957.1	961.6	963.5	965.0	967.9	973.2
7.5°	877.5	876.8	875.0	872.3	875.0	876.8	877.5	883.9	889.0	894.8	905.5
10°	823.4	821.6	821.2	818.6	821.2	821.6	823.4	831.6	837.6	845.8	860.4
12.5°	760.1	748.1	746.8	740.3	746.8	748.1	760.1	770.7	786.8	794.7	810.2
15°	647.2	644.9	637.5	632.6	637.5	644.9	647.2	656.1	662.1	683.8	708.8
17.5°	582.6	575.3	573.0	572.0	573.0	575.3	582.6	587.0	595.5	606.9	622.0
20°	541.1	534.4	533.3	532.5	533.3	534.4	541.1	546.3	553.1	565.4	581.1
22.5°	512.4	505.4	502.5	500.3	502.5	505.4	512.4	516.5	522.6	532.2	542.8
25°	463.4	460.8	459.3	458.6	459.3	460.8	463.4	467.2	473.1	486.2	497.4
27.5°	425.1	419.4	418.2	416.3	418.2	419.4	425.1	431.8	438.0	443.9	453.9
30°	403.3	401.4	398.8	396.6	398.8	401.4	403.3	406.7	410.8	420.9	430.6
32.5°	377.6	376.1	373.7	372.7	373.7	376.1	377.6	382.2	390.8	397.0	404.0
35°	349.2	343.9	341.7	338.3	341.7	343.9	349.2	352.9	356.3	361.5	374.2
37.5°	319.1	316.3	313.2	314.3	313.2	316.3	319.1	320.6	327.7	335.0	340.5
40°	295.8	293.9	293.1	292.8	293.1	293.9	295.8	300.6	309.2	312.6	320.8
42.5°	277.2	272.1	270.1	270.1	270.1	272.1	277.2	282.7	288.0	293.4	302.0
45°	249.1	244.2	240.9	241.2	240.9	244.2	249.1	250.9	255.4	266.3	271.1
47.5°	220.3	220.1	218.0	218.7	218.0	220.1	220.3	223.5	229.2	235.9	243.6
50°	206.5	204.3	202.8	203.1	202.8	204.3	206.5	209.1	212.5	215.8	227.8
52.5°	193.4	191.4	190.2	191.8	190.2	191.4	193.4	194.8	197.2	200.6	208.7
55°	171.8	169.5	169.2	168.8	169.2	169.5	171.8	173.6	176.6	179.2	183.0
57.5°	147.7	146.2	143.9	143.0	143.9	146.2	147.7	150.4	154.0	157.4	161.3
60°	130.3	127.3	123.6	123.2	123.6	127.3	130.3	135.2	136.7	141.9	146.4
62.5°	114.5	113.9	113.2	113.1	113.2	113.9	114.5	116.1	118.2	125.8	131.2
65°	100.5	100.1	100.5	100.8	100.5	100.1	100.5	101.2	101.6	102.3	104.6
67.5°	87.5	86.9	86.2	86.5	86.2	86.9	87.5	87.7	88.7	89.2	90.7
70°	77.7	77.3	76.9	76.9	76.9	77.3	77.7	78.4	79.2	79.9	81.8
72.5°	68.1	68.0	67.7	67.4	67.7	68.0	68.1	69.5	69.9	70.7	71.9
75°	54.5	53.8	53.8	53.8	53.8	53.8	54.5	54.9	55.3	56.4	57.1
77.5°	41.5	41.2	40.8	40.5	40.8	41.2	41.5	41.6	42.2	42.4	43.2
80°	32.9	32.5	32.1	32.1	32.1	32.5	32.9	33.2	33.2	34.4	34.0
82.5°	25.1	24.7	24.6	24.3	24.6	24.7	25.1	25.2	25.2	26.0	25.9
85°	13.4	13.8	13.4	14.2	13.4	13.8	13.4	13.1	13.4	14.2	14.2
87.5°	9.1	8.8	9.2	8.9	9.2	8.8	9.1	9.1	9.4	9.4	9.5
90°	26.1	26.2	26.4	26.6	26.4	26.2	26.1	25.9	26.0	26.3	26.7
92.5°	25.2	25.3	25.3	25.3	25.3	25.3	25.2	25.2	25.1	25.1	25.0
95°	49.5	49.2	48.8	48.5	48.8	49.2	49.5	49.9	50.0	50.0	50.0
97.5°	84.1	84.0	84.0	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.1
100°	107.6	107.4	107.3	107.1	107.3	107.4	107.6	107.8	107.9	107.9	107.9
102.5°	133.9	133.7	133.5	133.3	133.5	133.7	133.9	134.0	134.1	133.9	133.8
105°	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.4	173.0	172.7
107.5°	213.8	213.0	212.2	211.4	212.2	213.0	213.8	214.6	214.9	214.7	214.6
110°	242.3	241.8	241.3	240.7	241.3	241.8	242.3	242.8	243.1	243.1	243.1



TEST NUMBER: P331658

CATALOG NUMBER: SA2XXRDIP-C485D725U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	270.0	269.6	269.3	268.9	269.3	269.6	270.0	270.4	270.8	271.2	271.6
115°	314.2	313.7	313.2	312.7	313.2	313.7	314.2	314.7	315.1	315.3	315.4
117.5°	356.0	355.4	354.9	354.4	354.9	355.4	356.0	356.5	356.9	357.4	357.8
120°	385.3	384.8	384.3	383.8	384.3	384.8	385.3	385.9	386.1	386.1	386.1
122.5°	413.7	413.3	412.9	412.6	412.9	413.3	413.7	414.1	414.5	414.9	415.3
125°	457.0	456.8	456.7	456.5	456.7	456.8	457.0	457.2	457.5	458.0	458.6
127.5°	498.2	497.6	497.1	496.5	497.1	497.6	498.2	498.7	499.3	499.9	500.6
130°	527.3	526.7	526.0	525.3	526.0	526.7	527.3	528.0	528.6	528.9	529.3
132.5°	554.4	553.9	553.3	552.8	553.3	553.9	554.4	555.0	555.7	556.4	557.2
135°	597.2	596.7	596.1	595.6	596.1	596.7	597.2	597.7	598.0	598.2	598.4
137.5°	636.5	635.8	635.1	634.4	635.1	635.8	636.5	637.2	637.6	637.7	637.9
140°	663.4	662.7	662.0	661.3	662.0	662.7	663.4	664.0	664.4	664.4	664.4
142.5°	687.7	687.0	686.4	685.7	686.4	687.0	687.7	688.4	688.7	688.6	688.4
145°	724.3	723.6	722.9	722.2	722.9	723.6	724.3	725.0	725.3	725.1	724.9
147.5°	756.9	756.2	755.6	754.9	755.6	756.2	756.9	757.6	757.7	757.3	756.9
150°	777.7	777.2	776.7	776.2	776.7	777.2	777.7	778.3	778.3	777.7	777.2
152.5°	798.2	797.5	796.8	796.2	796.8	797.5	798.2	798.8	798.8	798.2	797.5
155°	824.6	824.1	823.6	823.1	823.6	824.1	824.6	825.2	825.0	824.1	823.2
157.5°	848.7	847.9	847.0	846.2	847.0	847.9	848.7	849.5	849.4	848.2	847.0
160°	862.7	862.0	861.3	860.6	861.3	862.0	862.7	863.4	863.2	862.2	861.1
162.5°	875.6	874.8	873.9	873.1	873.9	874.8	875.6	876.4	876.3	875.1	873.9
165°	892.1	891.2	890.4	889.5	890.4	891.2	892.1	893.0	892.8	891.6	890.4
167.5°	905.7	904.8	903.9	903.0	903.9	904.8	905.7	906.6	906.4	905.2	904.0
170°	913.0	911.9	910.9	909.8	910.9	911.9	913.0	914.0	913.9	912.7	911.5
172.5°	918.6	917.5	916.5	915.5	916.5	917.5	918.6	919.6	919.5	918.3	917.1
175°	924.7	923.6	922.6	921.6	922.6	923.6	924.7	925.7	925.6	924.4	923.2
177.5°	926.9	926.0	925.2	924.4	925.2	926.0	926.9	927.7	927.7	926.9	926.0
180°	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2



TEST NUMBER: P331658

CATALOG NUMBER: SA2XXRDIP-C485D725U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8
2.5°	1033.5	1037.7	1044.0	1047.6	1053.5	1057.4	1059.5	1063.4	1065.5	1073.0	1080.7
5°	975.8	981.8	992.2	1001.9	1012.4	1023.2	1031.1	1040.0	1048.2	1062.4	1077.4
7.5°	909.6	917.9	934.1	949.6	967.8	983.1	996.6	1011.9	1025.6	1045.9	1067.1
10°	860.0	874.6	895.9	910.4	934.3	949.6	970.9	987.7	1006.8	1033.7	1057.6
12.5°	817.3	834.9	852.0	872.2	893.7	919.2	942.6	964.1	986.8	1014.6	1042.6
15°	739.8	765.2	791.7	812.2	841.4	868.2	895.5	924.6	952.3	985.5	1022.1
17.5°	640.0	669.4	714.0	749.2	783.4	810.4	844.1	879.4	911.9	952.0	992.7
20°	594.9	616.5	646.8	694.2	745.8	774.5	808.9	847.7	885.0	928.7	972.4
22.5°	558.7	578.0	602.3	639.2	696.8	736.0	771.8	811.3	854.6	899.2	947.6
25°	507.1	520.6	546.0	575.8	615.4	680.0	719.2	758.8	805.9	853.7	908.9
27.5°	468.4	480.5	497.0	525.5	554.9	601.3	663.7	706.8	753.7	807.5	864.9
30°	438.8	453.0	471.3	491.4	523.6	559.8	622.1	672.2	718.5	773.8	835.0
32.5°	417.3	428.5	444.1	464.6	491.3	526.0	575.8	636.6	681.7	740.0	803.9
35°	382.0	395.1	407.8	427.2	448.9	480.6	518.3	583.3	628.1	685.6	749.9
37.5°	353.0	361.0	375.0	390.4	413.2	436.9	469.6	527.9	576.4	632.8	698.6
40°	330.9	340.9	351.4	368.6	387.3	410.0	442.1	485.5	541.1	596.4	660.6
42.5°	309.4	322.1	333.2	344.7	365.1	387.9	414.1	450.8	507.6	559.9	622.4
45°	283.4	291.7	303.2	315.9	332.7	352.2	375.3	407.4	461.9	507.1	565.8
47.5°	253.3	265.3	272.8	285.2	301.2	319.7	341.2	369.0	413.2	455.5	509.9
50°	232.7	245.0	255.8	267.0	281.2	299.1	317.0	343.9	379.4	423.9	474.6
52.5°	215.0	225.9	236.4	247.6	261.5	277.9	294.9	318.5	348.9	389.8	439.1
55°	190.8	197.5	208.4	219.6	231.9	247.6	264.0	283.8	310.0	344.3	384.3
57.5°	166.0	173.8	182.4	193.7	206.1	218.2	232.9	250.9	271.5	302.6	336.8
60°	152.0	158.0	165.1	176.6	188.2	199.0	213.2	228.2	247.6	274.5	303.6
62.5°	136.5	142.1	148.6	158.7	170.0	179.9	192.3	208.2	224.6	249.1	274.6
65°	110.5	118.8	125.1	134.1	143.4	153.9	163.6	176.3	190.8	210.2	233.0
67.5°	91.6	95.8	101.7	109.9	119.4	128.4	137.6	147.5	160.1	175.1	193.2
70°	83.3	84.8	85.9	93.7	102.7	111.7	120.2	129.6	140.4	152.7	168.4
72.5°	73.4	74.9	76.3	79.7	86.9	95.8	104.7	111.7	121.9	132.1	144.8
75°	58.3	60.5	61.6	63.5	66.1	72.1	80.3	87.0	93.0	100.8	110.9
77.5°	44.4	45.6	46.8	48.8	50.4	53.2	57.8	63.9	69.5	74.0	81.0
80°	35.1	35.5	37.0	37.7	40.0	41.8	44.1	48.9	54.5	56.4	61.2
82.5°	26.4	26.8	28.0	28.8	29.8	31.4	34.2	35.5	39.9	42.3	45.4
85°	14.6	14.2	15.3	15.3	16.1	16.8	17.6	19.4	20.5	23.5	24.3
87.5°	9.9	10.0	9.5	8.7	8.0	7.8	7.5	7.4	7.6	8.0	8.8
90°	27.0	27.4	23.5	19.7	15.9	12.1	9.1	7.0	5.0	2.9	0.8
92.5°	24.9	24.9	24.0	23.0	22.1	21.2	20.0	18.5	17.0	15.4	13.9
95°	50.0	50.0	49.7	49.3	49.0	48.6	47.6	45.9	44.1	42.4	40.6
97.5°	84.1	84.1	83.4	82.8	82.1	81.5	80.4	78.8	77.3	75.8	74.3
100°	107.9	107.9	107.3	106.8	106.3	105.8	104.8	103.4	102.0	100.7	99.3
102.5°	133.6	133.5	132.8	132.2	131.5	130.9	130.0	128.9	127.8	126.6	125.5
105°	172.3	172.0	171.6	171.3	170.9	170.6	170.1	169.6	169.1	168.6	168.1
107.5°	214.5	214.3	214.3	214.3	214.3	214.3	213.9	213.2	212.4	211.7	210.9
110°	243.1	243.1	243.1	243.1	243.1	243.1	242.6	241.5	240.5	239.4	238.4



TEST NUMBER: P331658

CATALOG NUMBER: SA2XXRDIP-C485D725U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	272.1	272.5	272.6	272.8	272.9	273.0	272.6	271.5	270.5	269.5	268.4
115°	315.6	315.8	316.1	316.5	316.8	317.2	316.8	315.8	314.7	313.7	312.7
117.5°	358.2	358.6	359.6	360.6	361.5	362.5	362.3	360.9	359.5	358.1	356.7
120°	386.1	386.1	387.5	388.9	390.3	391.7	391.7	390.3	388.9	387.5	386.1
122.5°	415.7	416.1	417.1	418.1	419.1	420.0	419.7	418.0	416.4	414.7	413.0
125°	459.1	459.6	460.1	460.6	461.2	461.7	461.2	459.6	458.0	456.5	454.9
127.5°	501.2	501.8	502.4	503.1	503.7	504.3	503.6	501.7	499.7	497.7	495.7
130°	529.6	530.0	530.3	530.6	531.0	531.3	530.4	528.1	525.9	523.6	521.4
132.5°	558.0	558.7	558.6	558.6	558.5	558.4	557.5	555.6	553.8	552.0	550.1
135°	598.6	598.7	598.4	598.0	597.7	597.3	596.2	594.3	592.4	590.5	588.6
137.5°	638.0	638.1	637.7	637.2	636.8	636.3	635.3	633.8	632.2	630.6	629.1
140°	664.4	664.4	663.5	662.7	661.8	660.9	659.7	658.1	656.6	655.0	653.5
142.5°	688.3	688.2	687.6	687.0	686.4	685.8	684.7	683.2	681.6	680.0	678.5
145°	724.8	724.6	723.5	722.5	721.5	720.4	719.3	718.1	716.9	715.6	714.4
147.5°	756.5	756.2	755.5	754.8	754.1	753.4	752.3	750.8	749.4	747.9	746.5
150°	776.7	776.2	775.5	774.8	774.1	773.4	772.5	771.5	770.4	769.4	768.4
152.5°	796.8	796.2	795.3	794.5	793.7	792.8	791.9	790.9	789.8	788.8	787.7
155°	822.4	821.5	821.0	820.5	819.9	819.4	818.9	818.4	817.9	817.3	816.8
157.5°	845.8	844.6	844.3	844.0	843.7	843.4	843.1	842.7	842.4	842.0	841.7
160°	860.1	859.0	858.9	858.7	858.5	858.3	858.1	857.7	857.4	857.0	856.7
162.5°	872.7	871.5	871.4	871.2	871.0	870.8	870.7	870.6	870.6	870.5	870.4
165°	889.2	887.9	887.9	887.9	887.9	887.9	888.0	888.2	888.4	888.6	888.7
167.5°	902.8	901.5	901.6	901.6	901.7	901.7	902.0	902.5	903.0	903.5	904.0
170°	910.3	909.0	909.2	909.4	909.6	909.7	910.1	910.6	911.1	911.7	912.2
172.5°	915.9	914.7	914.9	915.0	915.2	915.4	915.7	916.2	916.8	917.3	917.8
175°	922.0	920.8	921.1	921.5	921.8	922.2	922.6	923.1	923.6	924.2	924.7
177.5°	925.2	924.4	924.6	924.9	925.2	925.5	925.8	926.2	926.7	927.1	927.5
180°	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2



TEST NUMBER: P331658

CATALOG NUMBER: SA2XXRDIP-C485D725U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8
2.5°	1081.0	1081.9	1087.9	1090.6	1096.0	1098.1	1100.4	1099.8	1099.8	1101.0	1109.4
5°	1083.3	1090.8	1102.0	1112.8	1123.3	1132.3	1138.2	1144.2	1146.4	1157.3	1167.0
7.5°	1079.5	1093.2	1111.7	1128.2	1148.0	1163.5	1176.3	1187.9	1195.8	1211.6	1227.7
10°	1074.4	1093.8	1114.7	1136.0	1163.3	1183.8	1204.7	1220.8	1226.0	1249.5	1263.0
12.5°	1064.2	1090.2	1116.8	1144.4	1171.0	1199.3	1222.3	1238.4	1256.8	1277.9	1302.7
15°	1049.0	1078.9	1113.6	1149.1	1187.2	1221.5	1246.2	1274.2	1294.3	1317.5	1339.1
17.5°	1027.1	1065.6	1109.7	1150.8	1194.8	1231.7	1265.7	1292.5	1306.7	1319.9	1323.2
20°	1009.8	1051.2	1103.1	1151.7	1195.7	1238.3	1271.9	1294.3	1298.1	1298.4	1278.6
22.5°	991.0	1037.8	1092.1	1141.8	1194.5	1241.9	1268.0	1277.6	1262.8	1237.5	1199.2
25°	956.4	1010.5	1073.6	1130.4	1187.9	1232.7	1241.7	1224.9	1173.0	1118.4	1049.4
27.5°	918.9	979.7	1047.4	1110.5	1171.8	1199.6	1180.2	1119.6	1026.1	944.9	846.4
30°	891.4	959.7	1026.2	1096.8	1153.5	1165.5	1121.1	1031.8	922.8	800.3	702.1
32.5°	860.0	931.6	1004.7	1077.7	1125.2	1113.5	1040.1	930.2	802.4	682.0	589.1
35°	815.2	889.2	967.9	1041.1	1071.4	1021.0	911.2	768.2	637.5	525.1	461.2
37.5°	763.5	844.0	925.9	993.1	991.0	906.9	757.4	609.7	499.9	433.4	387.9
40°	726.7	808.1	896.6	953.4	929.1	819.7	657.6	518.3	438.0	385.0	351.8
42.5°	691.5	773.2	861.1	906.2	864.0	729.5	568.0	458.9	392.6	351.3	324.3
45°	631.5	717.7	799.2	824.2	748.7	600.5	459.3	380.2	336.1	305.5	286.8
47.5°	572.9	657.7	732.0	732.5	630.4	487.0	387.5	329.0	291.4	267.7	254.1
50°	537.0	617.7	680.0	670.3	554.6	433.2	346.5	296.1	264.8	246.5	232.3
52.5°	496.7	574.9	628.9	601.3	490.3	381.2	309.8	267.5	241.5	225.6	212.9
55°	438.0	507.5	545.6	503.8	400.0	317.0	261.8	228.5	209.1	195.7	184.9
57.5°	380.5	437.7	461.7	413.0	329.4	262.9	221.4	196.5	177.2	167.6	162.0
60°	344.3	393.2	410.0	356.3	286.4	230.0	196.1	172.9	158.7	152.4	146.8
62.5°	308.8	348.7	355.7	306.4	249.7	201.4	172.2	152.6	143.2	137.1	131.8
65°	256.2	284.9	281.6	242.0	197.5	159.8	138.5	126.6	119.5	110.9	101.6
67.5°	210.9	228.5	217.9	188.2	150.8	124.2	110.3	101.3	92.5	84.3	82.2
70°	182.2	192.3	181.1	153.9	123.6	104.2	93.0	82.2	76.9	75.1	71.7
72.5°	154.8	158.3	146.2	122.8	100.6	86.3	75.4	69.3	66.5	64.9	62.7
75°	116.1	113.5	103.1	84.8	69.8	60.1	56.8	54.5	52.7	51.2	50.0
77.5°	81.6	77.7	68.4	56.5	48.6	44.0	42.0	40.8	39.9	39.1	38.0
80°	61.2	58.6	49.3	40.3	37.0	34.7	33.6	32.1	32.1	31.4	30.2
82.5°	44.8	41.9	33.8	29.6	27.7	26.4	25.5	24.6	24.3	24.5	23.7
85°	23.5	19.0	16.8	16.1	14.9	14.2	14.6	13.8	13.8	13.8	13.4
87.5°	7.7	6.7	6.8	6.9	7.8	8.6	9.0	9.8	10.8	10.5	10.7
90°	2.9	5.0	7.0	9.1	12.1	15.9	19.7	23.5	27.4	27.0	26.7
92.5°	15.4	17.0	18.5	20.0	21.2	22.1	23.0	24.0	24.9	24.9	25.0
95°	42.4	44.1	45.9	47.6	48.6	49.0	49.3	49.7	50.0	50.0	50.0
97.5°	75.8	77.3	78.8	80.4	81.5	82.1	82.8	83.4	84.1	84.1	84.1
100°	100.7	102.0	103.4	104.8	105.8	106.3	106.8	107.3	107.9	107.9	107.9
102.5°	126.6	127.8	128.9	130.0	130.9	131.5	132.2	132.8	133.5	133.6	133.8
105°	168.6	169.1	169.6	170.1	170.6	170.9	171.3	171.6	172.0	172.3	172.7
107.5°	211.7	212.4	213.2	213.9	214.3	214.3	214.3	214.3	214.3	214.5	214.6
110°	239.4	240.5	241.5	242.6	243.1	243.1	243.1	243.1	243.1	243.1	243.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	269.5	270.5	271.5	272.6	273.0	272.9	272.8	272.6	272.5	272.1	271.6
115°	313.7	314.7	315.8	316.8	317.2	316.8	316.5	316.1	315.8	315.6	315.4
117.5°	358.1	359.5	360.9	362.3	362.5	361.5	360.6	359.6	358.6	358.2	357.8
120°	387.5	388.9	390.3	391.7	391.7	390.3	388.9	387.5	386.1	386.1	386.1
122.5°	414.7	416.4	418.0	419.7	420.0	419.1	418.1	417.1	416.1	415.7	415.3
125°	456.5	458.0	459.6	461.2	461.7	461.2	460.6	460.1	459.6	459.1	458.6
127.5°	497.7	499.7	501.7	503.6	504.3	503.7	503.1	502.4	501.8	501.2	500.6
130°	523.6	525.9	528.1	530.4	531.3	531.0	530.6	530.3	530.0	529.6	529.3
132.5°	552.0	553.8	555.6	557.5	558.4	558.5	558.6	558.6	558.7	558.0	557.2
135°	590.5	592.4	594.3	596.2	597.3	597.7	598.0	598.4	598.7	598.6	598.4
137.5°	630.6	632.2	633.8	635.3	636.3	636.8	637.2	637.7	638.1	638.0	637.9
140°	655.0	656.6	658.1	659.7	660.9	661.8	662.7	663.5	664.4	664.4	664.4
142.5°	680.0	681.6	683.2	684.7	685.8	686.4	687.0	687.6	688.2	688.3	688.4
145°	715.6	716.9	718.1	719.3	720.4	721.5	722.5	723.5	724.6	724.8	724.9
147.5°	747.9	749.4	750.8	752.3	753.4	754.1	754.8	755.5	756.2	756.5	756.9
150°	769.4	770.4	771.5	772.5	773.4	774.1	774.8	775.5	776.2	776.7	777.2
152.5°	788.8	789.8	790.9	791.9	792.8	793.7	794.5	795.3	796.2	796.8	797.5
155°	817.3	817.9	818.4	818.9	819.4	819.9	820.5	821.0	821.5	822.4	823.2
157.5°	842.0	842.4	842.7	843.1	843.4	843.7	844.0	844.3	844.6	845.8	847.0
160°	857.0	857.4	857.7	858.1	858.3	858.5	858.7	858.9	859.0	860.1	861.1
162.5°	870.5	870.6	870.6	870.7	870.8	871.0	871.2	871.4	871.5	872.7	873.9
165°	888.6	888.4	888.2	888.0	887.9	887.9	887.9	887.9	887.9	889.2	890.4
167.5°	903.5	903.0	902.5	902.0	901.7	901.7	901.6	901.6	901.5	902.8	904.0
170°	911.7	911.1	910.6	910.1	909.7	909.6	909.4	909.2	909.0	910.3	911.5
172.5°	917.3	916.8	916.2	915.7	915.4	915.2	915.0	914.9	914.7	915.9	917.1
175°	924.2	923.6	923.1	922.6	922.2	921.8	921.5	921.1	920.8	922.0	923.2
177.5°	927.1	926.7	926.2	925.8	925.5	925.2	924.9	924.6	924.4	925.2	926.0
180°	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2	926.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8	1074.8
2.5°	1112.4	1116.3	1118.1	1118.1	1120.2	1119.3	1118.4
5°	1176.3	1183.4	1184.9	1191.6	1196.5	1195.0	1195.7
7.5°	1239.9	1251.3	1262.6	1267.7	1268.6	1271.6	1272.7
10°	1279.0	1288.4	1305.9	1303.3	1316.4	1323.8	1311.5
12.5°	1316.7	1329.3	1341.5	1344.8	1352.2	1354.6	1349.7
15°	1350.7	1357.4	1358.2	1356.3	1358.6	1356.7	1349.6
17.5°	1318.9	1308.0	1285.9	1275.4	1267.1	1254.9	1250.0
20°	1266.3	1234.2	1196.9	1181.9	1164.4	1130.0	1138.2
22.5°	1152.8	1116.2	1078.9	1035.2	1014.4	981.8	979.9
25°	976.2	913.1	843.6	795.0	766.7	734.2	720.0
27.5°	759.0	679.5	622.6	593.8	567.5	541.8	540.7
30°	616.2	556.4	512.4	487.7	471.7	460.8	463.1
32.5°	519.4	478.4	448.7	428.3	416.4	408.2	408.1
35°	424.6	396.6	377.5	369.0	360.4	354.4	354.8
37.5°	363.4	346.5	335.9	326.5	321.1	318.2	316.5
40°	332.0	318.2	310.0	304.4	299.9	295.8	295.0
42.5°	307.2	295.8	287.5	283.1	279.0	276.0	275.3
45°	272.6	263.3	255.8	250.9	249.1	246.5	246.5
47.5°	242.5	233.3	227.5	224.4	221.2	219.5	219.4
50°	222.2	215.1	209.9	208.0	205.4	204.3	203.9
52.5°	204.0	198.7	194.9	193.7	192.5	191.1	191.3
55°	179.2	176.3	174.8	173.6	171.8	169.5	171.0
57.5°	158.4	155.9	151.8	148.3	146.6	145.0	145.6
60°	143.8	138.5	133.3	129.2	128.1	124.7	124.7
62.5°	125.3	117.9	111.5	109.2	108.1	106.5	106.2
65°	96.3	93.4	91.9	90.4	89.6	89.6	88.9
67.5°	79.8	78.6	77.0	76.6	75.9	75.7	75.4
70°	70.6	69.1	68.3	68.0	67.2	67.6	66.5
72.5°	61.6	60.4	60.3	59.3	58.9	58.9	58.1
75°	48.5	48.5	48.2	47.8	47.1	46.7	47.1
77.5°	37.3	37.4	36.7	36.7	36.6	36.7	36.3
80°	29.9	30.2	29.9	29.5	29.1	29.5	29.1
82.5°	23.6	23.1	23.0	22.9	22.9	22.6	22.6
85°	13.4	13.8	13.4	13.1	13.1	13.1	13.4
87.5°	10.3	10.3	10.3	10.3	10.3	10.4	10.1
90°	26.3	26.0	25.9	26.1	26.2	26.4	26.6
92.5°	25.1	25.1	25.2	25.2	25.3	25.3	25.3
95°	50.0	50.0	49.9	49.5	49.2	48.8	48.5
97.5°	84.1	84.1	84.1	84.1	84.0	84.0	83.9
100°	107.9	107.9	107.8	107.6	107.4	107.3	107.1
102.5°	133.9	134.1	134.0	133.9	133.7	133.5	133.3
105°	173.0	173.4	173.5	173.5	173.5	173.5	173.5
107.5°	214.7	214.9	214.6	213.8	213.0	212.2	211.4
110°	243.1	243.1	242.8	242.3	241.8	241.3	240.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	271.2	270.8	270.4	270.0	269.6	269.3	268.9
115°	315.3	315.1	314.7	314.2	313.7	313.2	312.7
117.5°	357.4	356.9	356.5	356.0	355.4	354.9	354.4
120°	386.1	386.1	385.9	385.3	384.8	384.3	383.8
122.5°	414.9	414.5	414.1	413.7	413.3	412.9	412.6
125°	458.0	457.5	457.2	457.0	456.8	456.7	456.5
127.5°	499.9	499.3	498.7	498.2	497.6	497.1	496.5
130°	528.9	528.6	528.0	527.3	526.7	526.0	525.3
132.5°	556.4	555.7	555.0	554.4	553.9	553.3	552.8
135°	598.2	598.0	597.7	597.2	596.7	596.1	595.6
137.5°	637.7	637.6	637.2	636.5	635.8	635.1	634.4
140°	664.4	664.4	664.0	663.4	662.7	662.0	661.3
142.5°	688.6	688.7	688.4	687.7	687.0	686.4	685.7
145°	725.1	725.3	725.0	724.3	723.6	722.9	722.2
147.5°	757.3	757.7	757.6	756.9	756.2	755.6	754.9
150°	777.7	778.3	778.3	777.7	777.2	776.7	776.2
152.5°	798.2	798.8	798.8	798.2	797.5	796.8	796.2
155°	824.1	825.0	825.2	824.6	824.1	823.6	823.1
157.5°	848.2	849.4	849.5	848.7	847.9	847.0	846.2
160°	862.2	863.2	863.4	862.7	862.0	861.3	860.6
162.5°	875.1	876.3	876.4	875.6	874.8	873.9	873.1
165°	891.6	892.8	893.0	892.1	891.2	890.4	889.5
167.5°	905.2	906.4	906.6	905.7	904.8	903.9	903.0
170°	912.7	913.9	914.0	913.0	911.9	910.9	909.8
172.5°	918.3	919.5	919.6	918.6	917.5	916.5	915.5
175°	924.4	925.6	925.7	924.7	923.6	922.6	921.6
177.5°	926.9	927.7	927.7	926.9	926.0	925.2	924.4
180°	926.2	926.2	926.2	926.2	926.2	926.2	926.2

(END OF REPORT)