

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: P331657

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

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331657
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-C485D725U835-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 725 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

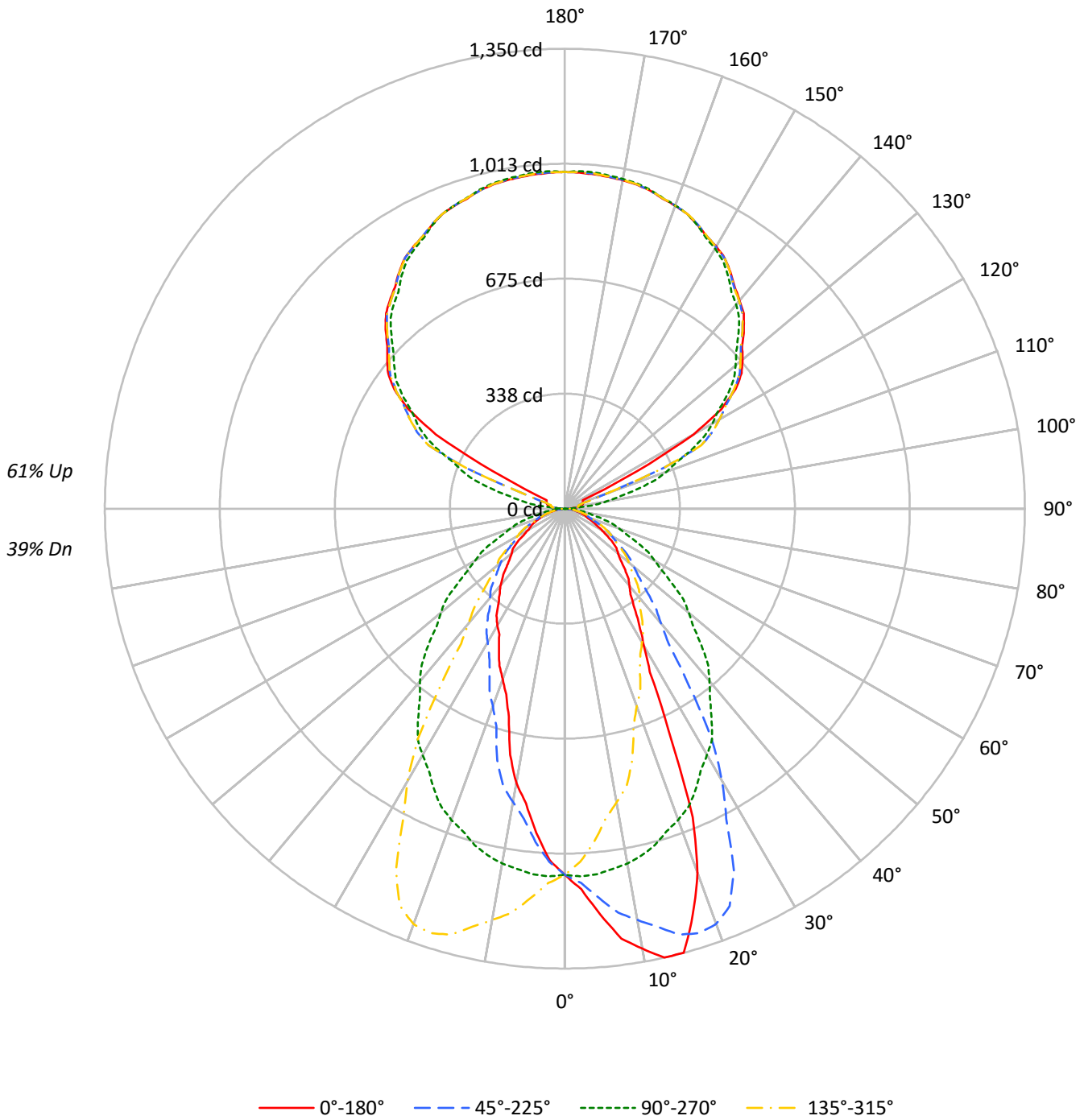
Lumens per Lamp: N/A
Luminaire Lumens: 4757.0 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

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	50	30	10	0	
RCR																						
0	105	105	105	105	95	95	95	95	77	77	77	61	61	61	46	46	46	39				
1	96	92	88	85	87	84	81	78	69	66	65	55	53	52	42	41	40	34				
2	88	81	75	70	80	74	69	65	61	57	54	49	46	44	37	36	35	30				
3	81	72	65	59	73	66	60	55	54	50	47	44	41	38	34	32	30	26				
4	74	64	57	51	67	59	52	47	49	44	40	39	36	33	31	28	27	23				
5	68	57	50	44	62	53	46	41	44	39	35	36	32	29	28	26	24	20				
6	63	52	44	38	57	47	41	36	40	35	31	32	29	26	26	23	21	18				
7	58	47	39	34	53	43	37	32	36	31	28	30	26	23	24	21	19	17				
8	54	43	35	30	49	39	33	28	33	28	25	27	24	21	22	19	17	15				
9	51	39	32	27	46	36	30	25	31	26	22	25	22	19	20	18	16	14				
10	47	36	29	24	43	33	27	23	28	23	20	23	20	17	19	16	15	13				

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	2.1
10°-20°	283.9	6.0
20°-30°	365.8	7.7
30°-40°	347.6	7.3
40°-50°	297.8	6.3
50°-60°	226.8	4.8
60°-70°	143.4	3.0
70°-80°	71.6	1.5
80°-90°	21.1	0.4
90°-100°	33.0	0.7
100°-110°	120.9	2.5
110°-120°	323.3	6.8
120°-130°	533.6	11.2
130°-140°	567.5	11.9
140°-150°	527.5	11.1
150°-160°	424.1	8.9
160°-170°	273.3	5.7
170°-180°	94.1	2.0
0°-30°	751.6	15.8
0°-40°	1099.2	23.1
0°-60°	1623.8	34.1
0°-90°	1859.9	39.1
90°-120°	477.2	10.0
90°-150°	2105.7	44.3
90°-180°	2897.0	60.9
0°-180°	4757.0	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°	19	1	19	1	19	9
95°	31	46	31	46	31	29
105°	54	218	54	218	54	57
115°	59	411	59	411	59	147
125°	612	582	612	582	612	529
135°	743	720	743	720	743	573
145°	848	835	848	835	848	530
155°	920	919	920	919	920	424
165°	966	969	966	969	966	273
175°	985	991	985	991	985	94
180°	989	989	989	989	989	



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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°	8.6	8.9	8.8	8.8	8.7	8.6	8.4	8.6	8.1	8.2	7.7
90°	19.3	19.0	18.7	18.4	18.0	17.5	16.7	15.9	15.1	14.3	13.0
92.5°	19.3	19.1	18.9	18.7	18.6	18.2	17.8	17.4	17.0	16.6	16.0
95°	30.8	30.9	31.1	31.2	31.4	31.1	30.3	29.5	28.7	27.9	26.8
97.5°	41.1	40.9	40.7	40.5	40.3	39.9	39.2	38.6	38.0	37.3	34.8
100°	47.9	47.6	47.3	47.0	46.7	45.9	44.6	43.3	42.0	40.8	38.1
102.5°	51.4	50.9	50.5	50.0	49.6	48.5	46.9	45.2	43.6	41.9	64.5
105°	54.4	53.7	53.1	52.5	51.8	50.6	48.9	47.1	45.4	43.6	87.0
107.5°	55.9	55.3	54.7	54.0	53.4	54.0	55.7	57.5	59.3	61.1	113.1
110°	56.5	55.9	55.2	54.6	54.0	61.6	77.5	93.4	109.3	125.2	171.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	57.1	56.6	56.1	55.6	55.0	83.8	141.8	199.8	257.8	315.7	327.1
115°	58.7	70.1	81.5	93.0	104.4	147.0	220.6	294.2	367.8	441.4	437.4
117.5°	239.5	277.1	314.7	352.3	389.9	417.6	435.4	453.3	471.1	488.9	486.1
120°	436.4	457.8	479.3	500.7	522.2	532.0	530.1	528.2	526.2	524.3	521.5
122.5°	544.5	548.7	552.8	557.0	561.2	562.7	561.5	560.4	559.2	558.1	555.0
125°	611.6	611.1	610.7	610.2	609.7	608.9	607.8	606.7	605.6	604.5	601.4
127.5°	654.0	653.9	653.8	653.7	653.6	652.7	651.1	649.5	647.9	646.2	644.0
130°	680.3	680.4	680.6	680.8	680.9	680.1	678.4	676.6	674.9	673.1	671.4
132.5°	706.0	706.2	706.4	706.5	706.7	706.0	704.5	703.0	701.5	700.0	698.3
135°	743.2	743.5	743.9	744.2	744.5	743.9	742.3	740.7	739.1	737.5	736.1
137.5°	777.1	777.7	778.2	778.8	779.3	778.8	777.2	775.7	774.1	772.6	770.9
140°	798.3	799.1	799.9	800.7	801.5	801.2	799.7	798.3	796.9	795.5	793.7
142.5°	818.9	819.7	820.5	821.3	822.1	821.8	820.5	819.2	817.9	816.6	814.6
145°	847.7	848.5	849.3	850.1	850.8	850.7	849.6	848.5	847.4	846.2	843.5
147.5°	873.0	873.7	874.3	875.0	875.7	875.6	874.8	873.9	873.1	872.3	869.6
150°	888.4	889.2	890.0	890.8	891.6	891.5	890.6	889.6	888.7	887.7	885.2
152.5°	901.6	902.7	903.7	904.8	905.8	905.9	904.9	903.9	903.0	902.0	899.6
155°	919.9	921.2	922.5	923.7	925.0	925.2	924.2	923.3	922.3	921.3	919.4
157.5°	936.7	937.9	939.1	940.4	941.6	941.7	940.6	939.5	938.5	937.4	936.0
160°	946.4	947.5	948.6	949.7	950.8	950.9	950.0	949.0	948.1	947.1	946.1
162.5°	954.4	955.8	957.1	958.5	959.9	960.0	958.9	957.8	956.8	955.7	954.9
165°	966.4	967.5	968.6	969.8	970.9	970.9	969.8	968.6	967.5	966.4	965.9
167.5°	974.0	975.4	976.9	978.3	979.7	979.9	978.8	977.7	976.5	975.4	975.0
170°	978.6	980.0	981.4	982.9	984.3	984.5	983.3	982.2	981.1	980.0	979.7
172.5°	982.0	983.4	984.9	986.3	987.7	987.9	986.8	985.7	984.6	983.4	983.1
175°	985.0	986.6	988.2	989.8	991.4	991.6	990.5	989.4	988.3	987.2	986.8
177.5°	986.9	988.0	989.2	990.3	991.5	991.6	990.7	989.8	988.9	988.0	987.9
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



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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°	7.4	7.5	7.2	6.6	6.6	6.5	7.7	8.8	8.0	7.4	7.2
90°	11.8	10.5	9.2	7.7	6.0	4.2	2.5	0.7	2.5	4.2	6.0
92.5°	15.3	14.7	14.1	13.8	14.0	14.1	14.3	14.4	14.3	14.1	14.0
95°	25.7	24.6	23.4	25.5	30.8	36.0	41.3	46.5	41.3	36.0	30.8
97.5°	32.2	29.6	27.0	33.1	47.9	62.7	77.5	92.3	77.5	62.7	47.9
100°	35.4	32.7	30.0	39.5	61.3	83.1	104.8	126.6	104.8	83.1	61.3
102.5°	87.1	109.7	132.3	145.9	150.6	155.2	159.8	164.4	159.8	155.2	150.6
105°	130.4	173.8	217.2	236.5	231.8	227.0	222.2	217.5	222.2	227.0	231.8
107.5°	165.2	217.2	269.3	293.4	289.5	285.7	281.8	278.0	281.8	285.7	289.5
110°	217.1	263.0	308.9	330.2	326.9	323.6	320.2	316.9	320.2	323.6	326.9



TEST NUMBER: P331657

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	338.4	349.8	361.1	365.3	362.4	359.4	356.5	353.5	356.5	359.4	362.4
115°	433.4	429.4	425.5	422.1	419.4	416.7	414.0	411.3	414.0	416.7	419.4
117.5°	483.4	480.7	477.9	475.0	472.0	469.0	466.0	463.0	466.0	469.0	472.0
120°	518.6	515.8	512.9	510.3	507.9	505.5	503.1	500.7	503.1	505.5	507.9
122.5°	551.9	548.8	545.6	542.8	540.3	537.8	535.3	532.8	535.3	537.8	540.3
125°	598.4	595.4	592.4	589.8	587.8	585.7	583.6	581.6	583.6	585.7	587.8
127.5°	641.7	639.5	637.2	634.9	632.6	630.4	628.1	625.8	628.1	630.4	632.6
130°	669.6	667.9	666.1	664.0	661.4	658.9	656.4	653.8	656.4	658.9	661.4
132.5°	696.5	694.8	693.0	691.1	688.9	686.8	684.6	682.4	684.6	686.8	688.9
135°	734.6	733.2	731.8	729.8	727.3	724.7	722.2	719.6	722.2	724.7	727.3
137.5°	769.3	767.7	766.1	764.4	762.6	760.8	759.0	757.3	759.0	760.8	762.6
140°	792.0	790.2	788.5	786.9	785.7	784.4	783.1	781.9	783.1	784.4	785.7
142.5°	812.6	810.6	808.6	807.0	805.9	804.8	803.6	802.5	803.6	804.8	805.9
145°	840.8	838.1	835.4	834.2	834.3	834.5	834.6	834.8	834.6	834.5	834.3
147.5°	866.9	864.3	861.6	860.6	861.2	861.8	862.4	863.0	862.4	861.8	861.2
150°	882.6	880.1	877.6	876.8	878.0	879.1	880.2	881.3	880.2	879.1	878.0
152.5°	897.2	894.8	892.4	891.8	893.0	894.3	895.5	896.7	895.5	894.3	893.0
155°	917.5	915.6	913.7	913.5	914.9	916.3	917.8	919.2	917.8	916.3	914.9
157.5°	934.7	933.4	932.0	932.0	933.2	934.4	935.6	936.8	935.6	934.4	933.2
160°	945.2	944.2	943.3	943.3	944.2	945.2	946.1	947.1	946.1	945.2	944.2
162.5°	954.0	953.2	952.4	952.4	953.4	954.4	955.3	956.3	955.3	954.4	953.4
165°	965.5	965.0	964.5	964.7	965.7	966.7	967.6	968.6	967.6	966.7	965.7
167.5°	974.5	974.1	973.6	973.9	974.9	975.8	976.8	977.7	976.8	975.8	974.9
170°	979.4	979.1	978.7	979.1	980.0	981.0	981.9	982.9	981.9	981.0	980.0
172.5°	982.8	982.5	982.2	982.5	983.4	984.4	985.3	986.3	985.3	984.4	983.4
175°	986.5	986.2	985.9	986.3	987.4	988.5	989.6	990.7	989.6	988.5	987.4
177.5°	987.8	987.6	987.5	987.9	988.8	989.7	990.6	991.5	990.6	989.7	988.8
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



TEST NUMBER: P331657

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

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°	7.2	7.2	6.9	7.1	7.4	7.3	7.5	7.4	7.5	7.7	7.5
90°	7.7	9.2	10.5	11.8	13.0	14.3	15.1	15.9	16.7	17.5	18.0
92.5°	13.8	14.1	14.7	15.3	16.0	16.6	17.0	17.4	17.8	18.2	18.6
95°	25.5	23.4	24.6	25.7	26.8	27.9	28.7	29.5	30.3	31.1	31.4
97.5°	33.1	27.0	29.6	32.2	34.8	37.3	38.0	38.6	39.2	39.9	40.3
100°	39.5	30.0	32.7	35.4	38.1	40.8	42.0	43.3	44.6	45.9	46.7
102.5°	145.9	132.3	109.7	87.1	64.5	41.9	43.6	45.2	46.9	48.5	49.6
105°	236.5	217.2	173.8	130.4	87.0	43.6	45.4	47.1	48.9	50.6	51.8
107.5°	293.4	269.3	217.2	165.2	113.1	61.1	59.3	57.5	55.7	54.0	53.4
110°	330.2	308.9	263.0	217.1	171.1	125.2	109.3	93.4	77.5	61.6	54.0



TEST NUMBER: P331657

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	365.3	361.1	349.8	338.4	327.1	315.7	257.8	199.8	141.8	83.8	55.0
115°	422.1	425.5	429.4	433.4	437.4	441.4	367.8	294.2	220.6	147.0	104.4
117.5°	475.0	477.9	480.7	483.4	486.1	488.9	471.1	453.3	435.4	417.6	389.9
120°	510.3	512.9	515.8	518.6	521.5	524.3	526.2	528.2	530.1	532.0	522.2
122.5°	542.8	545.6	548.8	551.9	555.0	558.1	559.2	560.4	561.5	562.7	561.2
125°	589.8	592.4	595.4	598.4	601.4	604.5	605.6	606.7	607.8	608.9	609.7
127.5°	634.9	637.2	639.5	641.7	644.0	646.2	647.9	649.5	651.1	652.7	653.6
130°	664.0	666.1	667.9	669.6	671.4	673.1	674.9	676.6	678.4	680.1	680.9
132.5°	691.1	693.0	694.8	696.5	698.3	700.0	701.5	703.0	704.5	706.0	706.7
135°	729.8	731.8	733.2	734.6	736.1	737.5	739.1	740.7	742.3	743.9	744.5
137.5°	764.4	766.1	767.7	769.3	770.9	772.6	774.1	775.7	777.2	778.8	779.3
140°	786.9	788.5	790.2	792.0	793.7	795.5	796.9	798.3	799.7	801.2	801.5
142.5°	807.0	808.6	810.6	812.6	814.6	816.6	817.9	819.2	820.5	821.8	822.1
145°	834.2	835.4	838.1	840.8	843.5	846.2	847.4	848.5	849.6	850.7	850.8
147.5°	860.6	861.6	864.3	866.9	869.6	872.3	873.1	873.9	874.8	875.6	875.7
150°	876.8	877.6	880.1	882.6	885.2	887.7	888.7	889.6	890.6	891.5	891.6
152.5°	891.8	892.4	894.8	897.2	899.6	902.0	903.0	903.9	904.9	905.9	905.8
155°	913.5	913.7	915.6	917.5	919.4	921.3	922.3	923.3	924.2	925.2	925.0
157.5°	932.0	932.0	933.4	934.7	936.0	937.4	938.5	939.5	940.6	941.7	941.6
160°	943.3	943.3	944.2	945.2	946.1	947.1	948.1	949.0	950.0	950.9	950.8
162.5°	952.4	952.4	953.2	954.0	954.9	955.7	956.8	957.8	958.9	960.0	959.9
165°	964.7	964.5	965.0	965.5	965.9	966.4	967.5	968.6	969.8	970.9	970.9
167.5°	973.9	973.6	974.1	974.5	975.0	975.4	976.5	977.7	978.8	979.9	979.7
170°	979.1	978.7	979.1	979.4	979.7	980.0	981.1	982.2	983.3	984.5	984.3
172.5°	982.5	982.2	982.5	982.8	983.1	983.4	984.6	985.7	986.8	987.9	987.7
175°	986.3	985.9	986.2	986.5	986.8	987.2	988.3	989.4	990.5	991.6	991.4
177.5°	987.9	987.5	987.6	987.8	987.9	988.0	988.9	989.8	990.7	991.6	991.5
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



TEST NUMBER: P331657

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

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°	7.6	7.3	7.7	7.4	7.7	7.3	7.6	7.5	7.7	7.5	7.4
90°	18.4	18.7	19.0	19.3	19.0	18.7	18.4	18.0	17.5	16.7	15.9
92.5°	18.7	18.9	19.1	19.3	19.1	18.9	18.7	18.6	18.2	17.8	17.4
95°	31.2	31.1	30.9	30.8	30.9	31.1	31.2	31.4	31.1	30.3	29.5
97.5°	40.5	40.7	40.9	41.1	40.9	40.7	40.5	40.3	39.9	39.2	38.6
100°	47.0	47.3	47.6	47.9	47.6	47.3	47.0	46.7	45.9	44.6	43.3
102.5°	50.0	50.5	50.9	51.4	50.9	50.5	50.0	49.6	48.5	46.9	45.2
105°	52.5	53.1	53.7	54.4	53.7	53.1	52.5	51.8	50.6	48.9	47.1
107.5°	54.0	54.7	55.3	55.9	55.3	54.7	54.0	53.4	54.0	55.7	57.5
110°	54.6	55.2	55.9	56.5	55.9	55.2	54.6	54.0	61.6	77.5	93.4



TEST NUMBER: P331657

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	55.6	56.1	56.6	57.1	56.6	56.1	55.6	55.0	83.8	141.8	199.8
115°	93.0	81.5	70.1	58.7	70.1	81.5	93.0	104.4	147.0	220.6	294.2
117.5°	352.3	314.7	277.1	239.5	277.1	314.7	352.3	389.9	417.6	435.4	453.3
120°	500.7	479.3	457.8	436.4	457.8	479.3	500.7	522.2	532.0	530.1	528.2
122.5°	557.0	552.8	548.7	544.5	548.7	552.8	557.0	561.2	562.7	561.5	560.4
125°	610.2	610.7	611.1	611.6	611.1	610.7	610.2	609.7	608.9	607.8	606.7
127.5°	653.7	653.8	653.9	654.0	653.9	653.8	653.7	653.6	652.7	651.1	649.5
130°	680.8	680.6	680.4	680.3	680.4	680.6	680.8	680.9	680.1	678.4	676.6
132.5°	706.5	706.4	706.2	706.0	706.2	706.4	706.5	706.7	706.0	704.5	703.0
135°	744.2	743.9	743.5	743.2	743.5	743.9	744.2	744.5	743.9	742.3	740.7
137.5°	778.8	778.2	777.7	777.1	777.7	778.2	778.8	779.3	778.8	777.2	775.7
140°	800.7	799.9	799.1	798.3	799.1	799.9	800.7	801.5	801.2	799.7	798.3
142.5°	821.3	820.5	819.7	818.9	819.7	820.5	821.3	822.1	821.8	820.5	819.2
145°	850.1	849.3	848.5	847.7	848.5	849.3	850.1	850.8	850.7	849.6	848.5
147.5°	875.0	874.3	873.7	873.0	873.7	874.3	875.0	875.7	875.6	874.8	873.9
150°	890.8	890.0	889.2	888.4	889.2	890.0	890.8	891.6	891.5	890.6	889.6
152.5°	904.8	903.7	902.7	901.6	902.7	903.7	904.8	905.8	905.9	904.9	903.9
155°	923.7	922.5	921.2	919.9	921.2	922.5	923.7	925.0	925.2	924.2	923.3
157.5°	940.4	939.1	937.9	936.7	937.9	939.1	940.4	941.6	941.7	940.6	939.5
160°	949.7	948.6	947.5	946.4	947.5	948.6	949.7	950.8	950.9	950.0	949.0
162.5°	958.5	957.1	955.8	954.4	955.8	957.1	958.5	959.9	960.0	958.9	957.8
165°	969.8	968.6	967.5	966.4	967.5	968.6	969.8	970.9	970.9	969.8	968.6
167.5°	978.3	976.9	975.4	974.0	975.4	976.9	978.3	979.7	979.9	978.8	977.7
170°	982.9	981.4	980.0	978.6	980.0	981.4	982.9	984.3	984.5	983.3	982.2
172.5°	986.3	984.9	983.4	982.0	983.4	984.9	986.3	987.7	987.9	986.8	985.7
175°	989.8	988.2	986.6	985.0	986.6	988.2	989.8	991.4	991.6	990.5	989.4
177.5°	990.3	989.2	988.0	986.9	988.0	989.2	990.3	991.5	991.6	990.7	989.8
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



TEST NUMBER: P331657

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

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°	7.5	7.3	7.4	7.1	6.9	7.2	7.2	7.2	7.4	8.0	8.8
90°	15.1	14.3	13.0	11.8	10.5	9.2	7.7	6.0	4.2	2.5	0.7
92.5°	17.0	16.6	16.0	15.3	14.7	14.1	13.8	14.0	14.1	14.3	14.4
95°	28.7	27.9	26.8	25.7	24.6	23.4	25.5	30.8	36.0	41.3	46.5
97.5°	38.0	37.3	34.8	32.2	29.6	27.0	33.1	47.9	62.7	77.5	92.3
100°	42.0	40.8	38.1	35.4	32.7	30.0	39.5	61.3	83.1	104.8	126.6
102.5°	43.6	41.9	64.5	87.1	109.7	132.3	145.9	150.6	155.2	159.8	164.4
105°	45.4	43.6	87.0	130.4	173.8	217.2	236.5	231.8	227.0	222.2	217.5
107.5°	59.3	61.1	113.1	165.2	217.2	269.3	293.4	289.5	285.7	281.8	278.0
110°	109.3	125.2	171.1	217.1	263.0	308.9	330.2	326.9	323.6	320.2	316.9



TEST NUMBER: P331657

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	257.8	315.7	327.1	338.4	349.8	361.1	365.3	362.4	359.4	356.5	353.5
115°	367.8	441.4	437.4	433.4	429.4	425.5	422.1	419.4	416.7	414.0	411.3
117.5°	471.1	488.9	486.1	483.4	480.7	477.9	475.0	472.0	469.0	466.0	463.0
120°	526.2	524.3	521.5	518.6	515.8	512.9	510.3	507.9	505.5	503.1	500.7
122.5°	559.2	558.1	555.0	551.9	548.8	545.6	542.8	540.3	537.8	535.3	532.8
125°	605.6	604.5	601.4	598.4	595.4	592.4	589.8	587.8	585.7	583.6	581.6
127.5°	647.9	646.2	644.0	641.7	639.5	637.2	634.9	632.6	630.4	628.1	625.8
130°	674.9	673.1	671.4	669.6	667.9	666.1	664.0	661.4	658.9	656.4	653.8
132.5°	701.5	700.0	698.3	696.5	694.8	693.0	691.1	688.9	686.8	684.6	682.4
135°	739.1	737.5	736.1	734.6	733.2	731.8	729.8	727.3	724.7	722.2	719.6
137.5°	774.1	772.6	770.9	769.3	767.7	766.1	764.4	762.6	760.8	759.0	757.3
140°	796.9	795.5	793.7	792.0	790.2	788.5	786.9	785.7	784.4	783.1	781.9
142.5°	817.9	816.6	814.6	812.6	810.6	808.6	807.0	805.9	804.8	803.6	802.5
145°	847.4	846.2	843.5	840.8	838.1	835.4	834.2	834.3	834.5	834.6	834.8
147.5°	873.1	872.3	869.6	866.9	864.3	861.6	860.6	861.2	861.8	862.4	863.0
150°	888.7	887.7	885.2	882.6	880.1	877.6	876.8	878.0	879.1	880.2	881.3
152.5°	903.0	902.0	899.6	897.2	894.8	892.4	891.8	893.0	894.3	895.5	896.7
155°	922.3	921.3	919.4	917.5	915.6	913.7	913.5	914.9	916.3	917.8	919.2
157.5°	938.5	937.4	936.0	934.7	933.4	932.0	932.0	933.2	934.4	935.6	936.8
160°	948.1	947.1	946.1	945.2	944.2	943.3	943.3	944.2	945.2	946.1	947.1
162.5°	956.8	955.7	954.9	954.0	953.2	952.4	952.4	953.4	954.4	955.3	956.3
165°	967.5	966.4	965.9	965.5	965.0	964.5	964.7	965.7	966.7	967.6	968.6
167.5°	976.5	975.4	975.0	974.5	974.1	973.6	973.9	974.9	975.8	976.8	977.7
170°	981.1	980.0	979.7	979.4	979.1	978.7	979.1	980.0	981.0	981.9	982.9
172.5°	984.6	983.4	983.1	982.8	982.5	982.2	982.5	983.4	984.4	985.3	986.3
175°	988.3	987.2	986.8	986.5	986.2	985.9	986.3	987.4	988.5	989.6	990.7
177.5°	988.9	988.0	987.9	987.8	987.6	987.5	987.9	988.8	989.7	990.6	991.5
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



TEST NUMBER: P331657

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

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	6.5	6.6	6.6	7.2	7.5	7.4	7.7	8.2	8.1	8.6
90°	2.5	4.2	6.0	7.7	9.2	10.5	11.8	13.0	14.3	15.1	15.9
92.5°	14.3	14.1	14.0	13.8	14.1	14.7	15.3	16.0	16.6	17.0	17.4
95°	41.3	36.0	30.8	25.5	23.4	24.6	25.7	26.8	27.9	28.7	29.5
97.5°	77.5	62.7	47.9	33.1	27.0	29.6	32.2	34.8	37.3	38.0	38.6
100°	104.8	83.1	61.3	39.5	30.0	32.7	35.4	38.1	40.8	42.0	43.3
102.5°	159.8	155.2	150.6	145.9	132.3	109.7	87.1	64.5	41.9	43.6	45.2
105°	222.2	227.0	231.8	236.5	217.2	173.8	130.4	87.0	43.6	45.4	47.1
107.5°	281.8	285.7	289.5	293.4	269.3	217.2	165.2	113.1	61.1	59.3	57.5
110°	320.2	323.6	326.9	330.2	308.9	263.0	217.1	171.1	125.2	109.3	93.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	356.5	359.4	362.4	365.3	361.1	349.8	338.4	327.1	315.7	257.8	199.8
115°	414.0	416.7	419.4	422.1	425.5	429.4	433.4	437.4	441.4	367.8	294.2
117.5°	466.0	469.0	472.0	475.0	477.9	480.7	483.4	486.1	488.9	471.1	453.3
120°	503.1	505.5	507.9	510.3	512.9	515.8	518.6	521.5	524.3	526.2	528.2
122.5°	535.3	537.8	540.3	542.8	545.6	548.8	551.9	555.0	558.1	559.2	560.4
125°	583.6	585.7	587.8	589.8	592.4	595.4	598.4	601.4	604.5	605.6	606.7
127.5°	628.1	630.4	632.6	634.9	637.2	639.5	641.7	644.0	646.2	647.9	649.5
130°	656.4	658.9	661.4	664.0	666.1	667.9	669.6	671.4	673.1	674.9	676.6
132.5°	684.6	686.8	688.9	691.1	693.0	694.8	696.5	698.3	700.0	701.5	703.0
135°	722.2	724.7	727.3	729.8	731.8	733.2	734.6	736.1	737.5	739.1	740.7
137.5°	759.0	760.8	762.6	764.4	766.1	767.7	769.3	770.9	772.6	774.1	775.7
140°	783.1	784.4	785.7	786.9	788.5	790.2	792.0	793.7	795.5	796.9	798.3
142.5°	803.6	804.8	805.9	807.0	808.6	810.6	812.6	814.6	816.6	817.9	819.2
145°	834.6	834.5	834.3	834.2	835.4	838.1	840.8	843.5	846.2	847.4	848.5
147.5°	862.4	861.8	861.2	860.6	861.6	864.3	866.9	869.6	872.3	873.1	873.9
150°	880.2	879.1	878.0	876.8	877.6	880.1	882.6	885.2	887.7	888.7	889.6
152.5°	895.5	894.3	893.0	891.8	892.4	894.8	897.2	899.6	902.0	903.0	903.9
155°	917.8	916.3	914.9	913.5	913.7	915.6	917.5	919.4	921.3	922.3	923.3
157.5°	935.6	934.4	933.2	932.0	932.0	933.4	934.7	936.0	937.4	938.5	939.5
160°	946.1	945.2	944.2	943.3	943.3	944.2	945.2	946.1	947.1	948.1	949.0
162.5°	955.3	954.4	953.4	952.4	952.4	953.2	954.0	954.9	955.7	956.8	957.8
165°	967.6	966.7	965.7	964.7	964.5	965.0	965.5	965.9	966.4	967.5	968.6
167.5°	976.8	975.8	974.9	973.9	973.6	974.1	974.5	975.0	975.4	976.5	977.7
170°	981.9	981.0	980.0	979.1	978.7	979.1	979.4	979.7	980.0	981.1	982.2
172.5°	985.3	984.4	983.4	982.5	982.2	982.5	982.8	983.1	983.4	984.6	985.7
175°	989.6	988.5	987.4	986.3	985.9	986.2	986.5	986.8	987.2	988.3	989.4
177.5°	990.6	989.7	988.8	987.9	987.5	987.6	987.8	987.9	988.0	988.9	989.8
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



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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°	8.4	8.6	8.7	8.8	8.8	8.9	8.6
90°	16.7	17.5	18.0	18.4	18.7	19.0	19.3
92.5°	17.8	18.2	18.6	18.7	18.9	19.1	19.3
95°	30.3	31.1	31.4	31.2	31.1	30.9	30.8
97.5°	39.2	39.9	40.3	40.5	40.7	40.9	41.1
100°	44.6	45.9	46.7	47.0	47.3	47.6	47.9
102.5°	46.9	48.5	49.6	50.0	50.5	50.9	51.4
105°	48.9	50.6	51.8	52.5	53.1	53.7	54.4
107.5°	55.7	54.0	53.4	54.0	54.7	55.3	55.9
110°	77.5	61.6	54.0	54.6	55.2	55.9	56.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	141.8	83.8	55.0	55.6	56.1	56.6	57.1
115°	220.6	147.0	104.4	93.0	81.5	70.1	58.7
117.5°	435.4	417.6	389.9	352.3	314.7	277.1	239.5
120°	530.1	532.0	522.2	500.7	479.3	457.8	436.4
122.5°	561.5	562.7	561.2	557.0	552.8	548.7	544.5
125°	607.8	608.9	609.7	610.2	610.7	611.1	611.6
127.5°	651.1	652.7	653.6	653.7	653.8	653.9	654.0
130°	678.4	680.1	680.9	680.8	680.6	680.4	680.3
132.5°	704.5	706.0	706.7	706.5	706.4	706.2	706.0
135°	742.3	743.9	744.5	744.2	743.9	743.5	743.2
137.5°	777.2	778.8	779.3	778.8	778.2	777.7	777.1
140°	799.7	801.2	801.5	800.7	799.9	799.1	798.3
142.5°	820.5	821.8	822.1	821.3	820.5	819.7	818.9
145°	849.6	850.7	850.8	850.1	849.3	848.5	847.7
147.5°	874.8	875.6	875.7	875.0	874.3	873.7	873.0
150°	890.6	891.5	891.6	890.8	890.0	889.2	888.4
152.5°	904.9	905.9	905.8	904.8	903.7	902.7	901.6
155°	924.2	925.2	925.0	923.7	922.5	921.2	919.9
157.5°	940.6	941.7	941.6	940.4	939.1	937.9	936.7
160°	950.0	950.9	950.8	949.7	948.6	947.5	946.4
162.5°	958.9	960.0	959.9	958.5	957.1	955.8	954.4
165°	969.8	970.9	970.9	969.8	968.6	967.5	966.4
167.5°	978.8	979.9	979.7	978.3	976.9	975.4	974.0
170°	983.3	984.5	984.3	982.9	981.4	980.0	978.6
172.5°	986.8	987.9	987.7	986.3	984.9	983.4	982.0
175°	990.5	991.6	991.4	989.8	988.2	986.6	985.0
177.5°	990.7	991.6	991.5	990.3	989.2	988.0	986.9
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6

(END OF REPORT)