

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: P331785

Luminaire Tested: **S122RDIW-S485D435U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331785
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIW-S485D435U835-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 435 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3589.9 lumens
Efficiency: N/A
Efficacy: 118.9 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

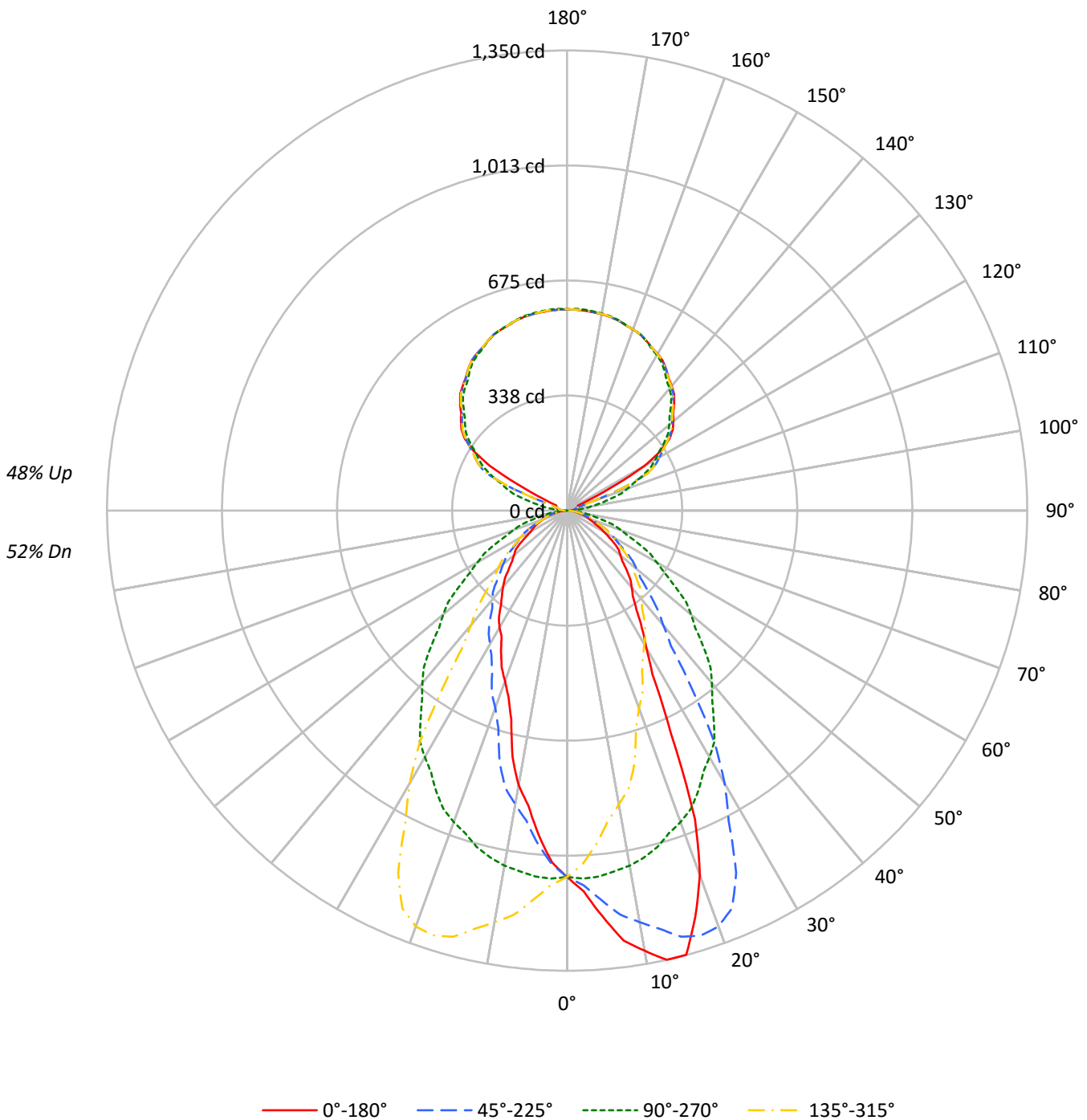
Input Watts (W): 30.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331785

CATALOG NUMBER: S122RDIW-S485D435U835-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P331785

CATALOG NUMBER: S122RDIW-S485D435U835-4F0-1E-UDD-A

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	108	108	108	108	99	99	99	99	84	84	84	70	70	70	58	58	58	52
1	99	95	91	88	91	88	85	82	75	73	71	63	62	60	52	51	50	45
2	91	84	78	73	84	78	73	69	67	63	60	57	54	52	47	45	44	39
3	83	75	68	62	77	69	63	59	60	55	52	51	48	45	42	40	38	34
4	77	67	59	53	71	62	56	51	54	49	45	46	42	39	39	36	34	30
5	71	60	52	46	66	56	49	44	49	43	39	42	38	35	35	32	30	27
6	66	54	46	41	61	51	44	39	44	39	35	38	34	31	32	29	27	24
7	61	49	42	36	56	46	39	35	40	35	31	35	31	28	30	27	24	22
8	57	45	38	32	53	42	36	31	37	32	28	32	28	25	28	25	22	20
9	53	41	34	29	49	39	32	28	34	29	25	30	26	23	26	23	20	18
10	50	38	31	27	46	36	30	25	32	27	23	28	24	21	24	21	19	17

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



TEST NUMBER: P331785

CATALOG NUMBER: S122RDIW-S485D435U835-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.9	2.8
10°-20°	283.9	7.9
20°-30°	365.8	10.2
30°-40°	347.6	9.7
40°-50°	297.8	8.3
50°-60°	226.8	6.3
60°-70°	143.4	4.0
70°-80°	71.6	2.0
80°-90°	20.1	0.6
90°-100°	19.7	0.5
100°-110°	72.3	2.0
110°-120°	193.1	5.4
120°-130°	318.8	8.9
130°-140°	339.1	9.4
140°-150°	315.2	8.8
150°-160°	253.4	7.1
160°-170°	163.3	4.5
170°-180°	56.2	1.6
0°-30°	751.6	20.9
0°-40°	1099.2	30.6
0°-60°	1623.8	45.2
0°-90°	1858.9	51.8
90°-120°	285.1	7.9
90°-150°	1258.2	35.0
90°-180°	1731.0	48.2
0°-180°	3589.9	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°	12	0	12	0	12	6
95°	18	28	18	28	18	17
105°	32	130	32	130	32	34
115°	35	246	35	246	35	88
125°	365	348	365	348	365	316
135°	444	430	444	430	444	342
145°	506	499	506	499	506	317
155°	550	549	550	549	550	254
165°	577	579	577	579	577	163
175°	589	592	589	592	589	56
180°	591	591	591	591	591	



TEST NUMBER: P331785

CATALOG NUMBER: S122RDIW-S485D435U835-4F0-1E-UDD-A

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°	7.1	7.3	7.3	7.3	7.2	7.2	7.1	7.3	6.9	7.1	6.6
90°	11.5	11.4	11.2	11.0	10.8	10.4	10.0	9.5	9.0	8.5	7.8
92.5°	11.5	11.4	11.3	11.2	11.1	10.9	10.7	10.4	10.2	9.9	9.5
95°	18.4	18.5	18.6	18.7	18.8	18.6	18.1	17.6	17.1	16.7	16.0
97.5°	24.5	24.4	24.3	24.2	24.1	23.8	23.5	23.1	22.7	22.3	20.8
100°	28.6	28.4	28.3	28.1	27.9	27.4	26.6	25.9	25.1	24.4	22.7
102.5°	30.7	30.4	30.2	29.9	29.6	29.0	28.0	27.0	26.0	25.0	38.6
105°	32.5	32.1	31.7	31.3	31.0	30.3	29.2	28.2	27.1	26.1	52.0
107.5°	33.4	33.0	32.7	32.3	31.9	32.2	33.3	34.4	35.4	36.5	67.6
110°	33.8	33.4	33.0	32.6	32.2	36.8	46.3	55.8	65.3	74.8	102.2



TEST NUMBER: P331785

CATALOG NUMBER: S122RDIW-S485D435U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	34.1	33.8	33.5	33.2	32.9	50.1	84.7	119.4	154.0	188.7	195.4
115°	35.0	41.9	48.7	55.6	62.4	87.8	131.8	175.8	219.7	263.7	261.3
117.5°	143.1	165.6	188.0	210.5	233.0	249.5	260.2	270.8	281.5	292.1	290.5
120°	260.7	273.5	286.4	299.2	312.0	317.9	316.7	315.6	314.4	313.3	311.6
122.5°	325.3	327.8	330.3	332.8	335.3	336.2	335.5	334.8	334.2	333.5	331.6
125°	365.4	365.2	364.9	364.6	364.3	363.8	363.2	362.5	361.8	361.2	359.4
127.5°	390.7	390.7	390.6	390.6	390.5	390.0	389.0	388.1	387.1	386.1	384.8
130°	406.5	406.6	406.7	406.8	406.9	406.4	405.3	404.3	403.2	402.2	401.2
132.5°	421.9	422.0	422.0	422.1	422.2	421.8	420.9	420.1	419.2	418.3	417.2
135°	444.1	444.3	444.5	444.7	444.8	444.5	443.5	442.6	441.6	440.7	439.8
137.5°	464.3	464.7	465.0	465.3	465.6	465.3	464.4	463.5	462.5	461.6	460.6
140°	477.0	477.5	477.9	478.4	478.9	478.7	477.9	477.0	476.1	475.3	474.2
142.5°	489.3	489.8	490.3	490.7	491.2	491.1	490.3	489.5	488.7	487.9	486.7
145°	506.5	507.0	507.4	507.9	508.4	508.3	507.6	507.0	506.3	505.6	504.0
147.5°	521.6	522.0	522.4	522.8	523.2	523.2	522.7	522.2	521.7	521.2	519.6
150°	530.9	531.3	531.8	532.3	532.8	532.7	532.1	531.6	531.0	530.4	528.9
152.5°	538.7	539.3	540.0	540.6	541.2	541.3	540.7	540.1	539.5	539.0	537.5
155°	549.7	550.4	551.2	551.9	552.7	552.8	552.2	551.7	551.1	550.5	549.4
157.5°	559.7	560.4	561.1	561.9	562.6	562.7	562.0	561.4	560.7	560.1	559.3
160°	565.5	566.1	566.8	567.5	568.1	568.2	567.6	567.0	566.5	565.9	565.3
162.5°	570.3	571.1	571.9	572.7	573.5	573.6	573.0	572.3	571.7	571.0	570.5
165°	577.4	578.1	578.8	579.4	580.1	580.1	579.4	578.8	578.1	577.4	577.2
167.5°	582.0	582.8	583.7	584.5	585.4	585.5	584.8	584.2	583.5	582.8	582.6
170°	584.7	585.6	586.4	587.3	588.1	588.2	587.6	586.9	586.2	585.6	585.4
172.5°	586.8	587.6	588.5	589.3	590.2	590.3	589.6	588.9	588.3	587.6	587.4
175°	588.6	589.5	590.5	591.4	592.4	592.5	591.8	591.2	590.5	589.8	589.6
177.5°	589.7	590.3	591.0	591.7	592.4	592.5	591.9	591.4	590.9	590.3	590.3
180°	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7



TEST NUMBER: P331785

CATALOG NUMBER: S122RDIW-S485D435U835-4F0-1E-UDD-A

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°	6.5	6.6	6.5	6.0	6.1	6.2	7.5	8.7	7.8	7.1	6.7
90°	7.0	6.3	5.5	4.6	3.6	2.5	1.5	0.4	1.5	2.5	3.6
92.5°	9.2	8.8	8.4	8.3	8.3	8.4	8.5	8.6	8.5	8.4	8.3
95°	15.3	14.7	14.0	15.2	18.4	21.5	24.6	27.8	24.6	21.5	18.4
97.5°	19.2	17.7	16.2	19.8	28.6	37.5	46.3	55.1	46.3	37.5	28.6
100°	21.1	19.5	17.9	23.6	36.6	49.6	62.6	75.7	62.6	49.6	36.6
102.5°	52.1	65.6	79.1	87.2	90.0	92.7	95.5	98.2	95.5	92.7	90.0
105°	77.9	103.9	129.8	141.3	138.5	135.6	132.8	129.9	132.8	135.6	138.5
107.5°	98.7	129.8	160.9	175.3	173.0	170.7	168.4	166.1	168.4	170.7	173.0
110°	129.7	157.1	184.6	197.3	195.3	193.3	191.3	189.3	191.3	193.3	195.3



TEST NUMBER: P331785

CATALOG NUMBER: S122RDIW-S485D435U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	202.2	209.0	215.8	218.3	216.5	214.8	213.0	211.2	213.0	214.8	216.5
115°	259.0	256.6	254.2	252.2	250.6	249.0	247.4	245.8	247.4	249.0	250.6
117.5°	288.8	287.2	285.6	283.8	282.0	280.2	278.4	276.6	278.4	280.2	282.0
120°	309.9	308.2	306.5	304.9	303.5	302.0	300.6	299.2	300.6	302.0	303.5
122.5°	329.7	327.9	326.0	324.3	322.8	321.3	319.8	318.3	319.8	321.3	322.8
125°	357.6	355.8	353.9	352.4	351.2	350.0	348.7	347.5	348.7	350.0	351.2
127.5°	383.4	382.1	380.7	379.4	378.0	376.6	375.3	373.9	375.3	376.6	378.0
130°	400.1	399.1	398.0	396.7	395.2	393.7	392.2	390.7	392.2	393.7	395.2
132.5°	416.2	415.1	414.1	412.9	411.6	410.3	409.0	407.8	409.0	410.3	411.6
135°	439.0	438.1	437.2	436.1	434.5	433.0	431.5	430.0	431.5	433.0	434.5
137.5°	459.7	458.7	457.7	456.7	455.7	454.6	453.5	452.5	453.5	454.6	455.7
140°	473.2	472.2	471.1	470.2	469.4	468.7	467.9	467.2	467.9	468.7	469.4
142.5°	485.5	484.3	483.2	482.2	481.5	480.8	480.2	479.5	480.2	480.8	481.5
145°	502.4	500.8	499.2	498.4	498.5	498.6	498.7	498.8	498.7	498.6	498.5
147.5°	518.0	516.4	514.8	514.2	514.6	514.9	515.3	515.6	515.3	514.9	514.6
150°	527.4	525.9	524.3	523.9	524.6	525.2	525.9	526.6	525.9	525.2	524.6
152.5°	536.1	534.6	533.2	532.8	533.6	534.3	535.1	535.8	535.1	534.3	533.6
155°	548.2	547.1	546.0	545.8	546.7	547.5	548.4	549.2	548.4	547.5	546.7
157.5°	558.5	557.7	556.9	556.9	557.6	558.3	559.0	559.7	559.0	558.3	557.6
160°	564.8	564.2	563.6	563.6	564.2	564.8	565.3	565.9	565.3	564.8	564.2
162.5°	570.0	569.5	569.1	569.1	569.7	570.2	570.8	571.4	570.8	570.2	569.7
165°	576.9	576.6	576.3	576.4	577.0	577.6	578.2	578.7	578.2	577.6	577.0
167.5°	582.3	582.0	581.8	581.9	582.5	583.1	583.6	584.2	583.6	583.1	582.5
170°	585.2	585.0	584.8	585.0	585.6	586.1	586.7	587.3	586.7	586.1	585.6
172.5°	587.2	587.0	586.9	587.0	587.6	588.2	588.8	589.3	588.8	588.2	587.6
175°	589.5	589.3	589.1	589.3	590.0	590.6	591.3	592.0	591.3	590.6	590.0
177.5°	590.2	590.1	590.0	590.3	590.8	591.3	591.9	592.4	591.9	591.3	590.8
180°	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7



TEST NUMBER: P331785

CATALOG NUMBER: S122RDIW-S485D435U835-4F0-1E-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°	6.6	6.5	6.0	6.2	6.3	6.2	6.3	6.1	6.2	6.3	6.0
90°	4.6	5.5	6.3	7.0	7.8	8.5	9.0	9.5	10.0	10.4	10.8
92.5°	8.3	8.4	8.8	9.2	9.5	9.9	10.2	10.4	10.7	10.9	11.1
95°	15.2	14.0	14.7	15.3	16.0	16.7	17.1	17.6	18.1	18.6	18.8
97.5°	19.8	16.2	17.7	19.2	20.8	22.3	22.7	23.1	23.5	23.8	24.1
100°	23.6	17.9	19.5	21.1	22.7	24.4	25.1	25.9	26.6	27.4	27.9
102.5°	87.2	79.1	65.6	52.1	38.6	25.0	26.0	27.0	28.0	29.0	29.6
105°	141.3	129.8	103.9	77.9	52.0	26.1	27.1	28.2	29.2	30.3	31.0
107.5°	175.3	160.9	129.8	98.7	67.6	36.5	35.4	34.4	33.3	32.2	31.9
110°	197.3	184.6	157.1	129.7	102.2	74.8	65.3	55.8	46.3	36.8	32.2



TEST NUMBER: P331785

CATALOG NUMBER: S122RDIW-S485D435U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	218.3	215.8	209.0	202.2	195.4	188.7	154.0	119.4	84.7	50.1	32.9
115°	252.2	254.2	256.6	259.0	261.3	263.7	219.7	175.8	131.8	87.8	62.4
117.5°	283.8	285.6	287.2	288.8	290.5	292.1	281.5	270.8	260.2	249.5	233.0
120°	304.9	306.5	308.2	309.9	311.6	313.3	314.4	315.6	316.7	317.9	312.0
122.5°	324.3	326.0	327.9	329.7	331.6	333.5	334.2	334.8	335.5	336.2	335.3
125°	352.4	353.9	355.8	357.6	359.4	361.2	361.8	362.5	363.2	363.8	364.3
127.5°	379.4	380.7	382.1	383.4	384.8	386.1	387.1	388.1	389.0	390.0	390.5
130°	396.7	398.0	399.1	400.1	401.2	402.2	403.2	404.3	405.3	406.4	406.9
132.5°	412.9	414.1	415.1	416.2	417.2	418.3	419.2	420.1	420.9	421.8	422.2
135°	436.1	437.2	438.1	439.0	439.8	440.7	441.6	442.6	443.5	444.5	444.8
137.5°	456.7	457.7	458.7	459.7	460.6	461.6	462.5	463.5	464.4	465.3	465.6
140°	470.2	471.1	472.2	473.2	474.2	475.3	476.1	477.0	477.9	478.7	478.9
142.5°	482.2	483.2	484.3	485.5	486.7	487.9	488.7	489.5	490.3	491.1	491.2
145°	498.4	499.2	500.8	502.4	504.0	505.6	506.3	507.0	507.6	508.3	508.4
147.5°	514.2	514.8	516.4	518.0	519.6	521.2	521.7	522.2	522.7	523.2	523.2
150°	523.9	524.3	525.9	527.4	528.9	530.4	531.0	531.6	532.1	532.7	532.8
152.5°	532.8	533.2	534.6	536.1	537.5	539.0	539.5	540.1	540.7	541.3	541.2
155°	545.8	546.0	547.1	548.2	549.4	550.5	551.1	551.7	552.2	552.8	552.7
157.5°	556.9	556.9	557.7	558.5	559.3	560.1	560.7	561.4	562.0	562.7	562.6
160°	563.6	563.6	564.2	564.8	565.3	565.9	566.5	567.0	567.6	568.2	568.1
162.5°	569.1	569.1	569.5	570.0	570.5	571.0	571.7	572.3	573.0	573.6	573.5
165°	576.4	576.3	576.6	576.9	577.2	577.4	578.1	578.8	579.4	580.1	580.1
167.5°	581.9	581.8	582.0	582.3	582.6	582.8	583.5	584.2	584.8	585.5	585.4
170°	585.0	584.8	585.0	585.2	585.4	585.6	586.2	586.9	587.6	588.2	588.1
172.5°	587.0	586.9	587.0	587.2	587.4	587.6	588.3	588.9	589.6	590.3	590.2
175°	589.3	589.1	589.3	589.5	589.6	589.8	590.5	591.2	591.8	592.5	592.4
177.5°	590.3	590.0	590.1	590.2	590.3	590.3	590.9	591.4	591.9	592.5	592.4
180°	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7



TEST NUMBER: P331785

CATALOG NUMBER: S122RDIW-S485D435U835-4F0-1E-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°	6.1	5.8	6.2	5.9	6.2	5.8	6.1	6.0	6.3	6.2	6.1
90°	11.0	11.2	11.4	11.5	11.4	11.2	11.0	10.8	10.4	10.0	9.5
92.5°	11.2	11.3	11.4	11.5	11.4	11.3	11.2	11.1	10.9	10.7	10.4
95°	18.7	18.6	18.5	18.4	18.5	18.6	18.7	18.8	18.6	18.1	17.6
97.5°	24.2	24.3	24.4	24.5	24.4	24.3	24.2	24.1	23.8	23.5	23.1
100°	28.1	28.3	28.4	28.6	28.4	28.3	28.1	27.9	27.4	26.6	25.9
102.5°	29.9	30.2	30.4	30.7	30.4	30.2	29.9	29.6	29.0	28.0	27.0
105°	31.3	31.7	32.1	32.5	32.1	31.7	31.3	31.0	30.3	29.2	28.2
107.5°	32.3	32.7	33.0	33.4	33.0	32.7	32.3	31.9	32.2	33.3	34.4
110°	32.6	33.0	33.4	33.8	33.4	33.0	32.6	32.2	36.8	46.3	55.8



TEST NUMBER: P331785

CATALOG NUMBER: S122RDIW-S485D435U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	33.2	33.5	33.8	34.1	33.8	33.5	33.2	32.9	50.1	84.7	119.4
115°	55.6	48.7	41.9	35.0	41.9	48.7	55.6	62.4	87.8	131.8	175.8
117.5°	210.5	188.0	165.6	143.1	165.6	188.0	210.5	233.0	249.5	260.2	270.8
120°	299.2	286.4	273.5	260.7	273.5	286.4	299.2	312.0	317.9	316.7	315.6
122.5°	332.8	330.3	327.8	325.3	327.8	330.3	332.8	335.3	336.2	335.5	334.8
125°	364.6	364.9	365.2	365.4	365.2	364.9	364.6	364.3	363.8	363.2	362.5
127.5°	390.6	390.6	390.7	390.7	390.7	390.6	390.6	390.5	390.0	389.0	388.1
130°	406.8	406.7	406.6	406.5	406.6	406.7	406.8	406.9	406.4	405.3	404.3
132.5°	422.1	422.0	422.0	421.9	422.0	422.0	422.1	422.2	421.8	420.9	420.1
135°	444.7	444.5	444.3	444.1	444.3	444.5	444.7	444.8	444.5	443.5	442.6
137.5°	465.3	465.0	464.7	464.3	464.7	465.0	465.3	465.6	465.3	464.4	463.5
140°	478.4	477.9	477.5	477.0	477.5	477.9	478.4	478.9	478.7	477.9	477.0
142.5°	490.7	490.3	489.8	489.3	489.8	490.3	490.7	491.2	491.1	490.3	489.5
145°	507.9	507.4	507.0	506.5	507.0	507.4	507.9	508.4	508.3	507.6	507.0
147.5°	522.8	522.4	522.0	521.6	522.0	522.4	522.8	523.2	523.2	522.7	522.2
150°	532.3	531.8	531.3	530.9	531.3	531.8	532.3	532.8	532.7	532.1	531.6
152.5°	540.6	540.0	539.3	538.7	539.3	540.0	540.6	541.2	541.3	540.7	540.1
155°	551.9	551.2	550.4	549.7	550.4	551.2	551.9	552.7	552.8	552.2	551.7
157.5°	561.9	561.1	560.4	559.7	560.4	561.1	561.9	562.6	562.7	562.0	561.4
160°	567.5	566.8	566.1	565.5	566.1	566.8	567.5	568.1	568.2	567.6	567.0
162.5°	572.7	571.9	571.1	570.3	571.1	571.9	572.7	573.5	573.6	573.0	572.3
165°	579.4	578.8	578.1	577.4	578.1	578.8	579.4	580.1	580.1	579.4	578.8
167.5°	584.5	583.7	582.8	582.0	582.8	583.7	584.5	585.4	585.5	584.8	584.2
170°	587.3	586.4	585.6	584.7	585.6	586.4	587.3	588.1	588.2	587.6	586.9
172.5°	589.3	588.5	587.6	586.8	587.6	588.5	589.3	590.2	590.3	589.6	588.9
175°	591.4	590.5	589.5	588.6	589.5	590.5	591.4	592.4	592.5	591.8	591.2
177.5°	591.7	591.0	590.3	589.7	590.3	591.0	591.7	592.4	592.5	591.9	591.4
180°	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7



TEST NUMBER: P331785

CATALOG NUMBER: S122RDIW-S485D435U835-4F0-1E-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°	6.3	6.2	6.3	6.2	6.0	6.5	6.6	6.7	7.1	7.8	8.7
90°	9.0	8.5	7.8	7.0	6.3	5.5	4.6	3.6	2.5	1.5	0.4
92.5°	10.2	9.9	9.5	9.2	8.8	8.4	8.3	8.3	8.4	8.5	8.6
95°	17.1	16.7	16.0	15.3	14.7	14.0	15.2	18.4	21.5	24.6	27.8
97.5°	22.7	22.3	20.8	19.2	17.7	16.2	19.8	28.6	37.5	46.3	55.1
100°	25.1	24.4	22.7	21.1	19.5	17.9	23.6	36.6	49.6	62.6	75.7
102.5°	26.0	25.0	38.6	52.1	65.6	79.1	87.2	90.0	92.7	95.5	98.2
105°	27.1	26.1	52.0	77.9	103.9	129.8	141.3	138.5	135.6	132.8	129.9
107.5°	35.4	36.5	67.6	98.7	129.8	160.9	175.3	173.0	170.7	168.4	166.1
110°	65.3	74.8	102.2	129.7	157.1	184.6	197.3	195.3	193.3	191.3	189.3



TEST NUMBER: P331785

CATALOG NUMBER: S122RDIW-S485D435U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	154.0	188.7	195.4	202.2	209.0	215.8	218.3	216.5	214.8	213.0	211.2
115°	219.7	263.7	261.3	259.0	256.6	254.2	252.2	250.6	249.0	247.4	245.8
117.5°	281.5	292.1	290.5	288.8	287.2	285.6	283.8	282.0	280.2	278.4	276.6
120°	314.4	313.3	311.6	309.9	308.2	306.5	304.9	303.5	302.0	300.6	299.2
122.5°	334.2	333.5	331.6	329.7	327.9	326.0	324.3	322.8	321.3	319.8	318.3
125°	361.8	361.2	359.4	357.6	355.8	353.9	352.4	351.2	350.0	348.7	347.5
127.5°	387.1	386.1	384.8	383.4	382.1	380.7	379.4	378.0	376.6	375.3	373.9
130°	403.2	402.2	401.2	400.1	399.1	398.0	396.7	395.2	393.7	392.2	390.7
132.5°	419.2	418.3	417.2	416.2	415.1	414.1	412.9	411.6	410.3	409.0	407.8
135°	441.6	440.7	439.8	439.0	438.1	437.2	436.1	434.5	433.0	431.5	430.0
137.5°	462.5	461.6	460.6	459.7	458.7	457.7	456.7	455.7	454.6	453.5	452.5
140°	476.1	475.3	474.2	473.2	472.2	471.1	470.2	469.4	468.7	467.9	467.2
142.5°	488.7	487.9	486.7	485.5	484.3	483.2	482.2	481.5	480.8	480.2	479.5
145°	506.3	505.6	504.0	502.4	500.8	499.2	498.4	498.5	498.6	498.7	498.8
147.5°	521.7	521.2	519.6	518.0	516.4	514.8	514.2	514.6	514.9	515.3	515.6
150°	531.0	530.4	528.9	527.4	525.9	524.3	523.9	524.6	525.2	525.9	526.6
152.5°	539.5	539.0	537.5	536.1	534.6	533.2	532.8	533.6	534.3	535.1	535.8
155°	551.1	550.5	549.4	548.2	547.1	546.0	545.8	546.7	547.5	548.4	549.2
157.5°	560.7	560.1	559.3	558.5	557.7	556.9	556.9	557.6	558.3	559.0	559.7
160°	566.5	565.9	565.3	564.8	564.2	563.6	563.6	564.2	564.8	565.3	565.9
162.5°	571.7	571.0	570.5	570.0	569.5	569.1	569.1	569.7	570.2	570.8	571.4
165°	578.1	577.4	577.2	576.9	576.6	576.3	576.4	577.0	577.6	578.2	578.7
167.5°	583.5	582.8	582.6	582.3	582.0	581.8	581.9	582.5	583.1	583.6	584.2
170°	586.2	585.6	585.4	585.2	585.0	584.8	585.0	585.6	586.1	586.7	587.3
172.5°	588.3	587.6	587.4	587.2	587.0	586.9	587.0	587.6	588.2	588.8	589.3
175°	590.5	589.8	589.6	589.5	589.3	589.1	589.3	590.0	590.6	591.3	592.0
177.5°	590.9	590.3	590.3	590.2	590.1	590.0	590.3	590.8	591.3	591.9	592.4
180°	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7



TEST NUMBER: P331785

CATALOG NUMBER: S122RDIW-S485D435U835-4F0-1E-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°	7.5	6.2	6.1	6.0	6.5	6.6	6.5	6.6	7.1	6.9	7.3
90°	1.5	2.5	3.6	4.6	5.5	6.3	7.0	7.8	8.5	9.0	9.5
92.5°	8.5	8.4	8.3	8.3	8.4	8.8	9.2	9.5	9.9	10.2	10.4
95°	24.6	21.5	18.4	15.2	14.0	14.7	15.3	16.0	16.7	17.1	17.6
97.5°	46.3	37.5	28.6	19.8	16.2	17.7	19.2	20.8	22.3	22.7	23.1
100°	62.6	49.6	36.6	23.6	17.9	19.5	21.1	22.7	24.4	25.1	25.9
102.5°	95.5	92.7	90.0	87.2	79.1	65.6	52.1	38.6	25.0	26.0	27.0
105°	132.8	135.6	138.5	141.3	129.8	103.9	77.9	52.0	26.1	27.1	28.2
107.5°	168.4	170.7	173.0	175.3	160.9	129.8	98.7	67.6	36.5	35.4	34.4
110°	191.3	193.3	195.3	197.3	184.6	157.1	129.7	102.2	74.8	65.3	55.8



TEST NUMBER: P331785

CATALOG NUMBER: S122RDIW-S485D435U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	213.0	214.8	216.5	218.3	215.8	209.0	202.2	195.4	188.7	154.0	119.4
115°	247.4	249.0	250.6	252.2	254.2	256.6	259.0	261.3	263.7	219.7	175.8
117.5°	278.4	280.2	282.0	283.8	285.6	287.2	288.8	290.5	292.1	281.5	270.8
120°	300.6	302.0	303.5	304.9	306.5	308.2	309.9	311.6	313.3	314.4	315.6
122.5°	319.8	321.3	322.8	324.3	326.0	327.9	329.7	331.6	333.5	334.2	334.8
125°	348.7	350.0	351.2	352.4	353.9	355.8	357.6	359.4	361.2	361.8	362.5
127.5°	375.3	376.6	378.0	379.4	380.7	382.1	383.4	384.8	386.1	387.1	388.1
130°	392.2	393.7	395.2	396.7	398.0	399.1	400.1	401.2	402.2	403.2	404.3
132.5°	409.0	410.3	411.6	412.9	414.1	415.1	416.2	417.2	418.3	419.2	420.1
135°	431.5	433.0	434.5	436.1	437.2	438.1	439.0	439.8	440.7	441.6	442.6
137.5°	453.5	454.6	455.7	456.7	457.7	458.7	459.7	460.6	461.6	462.5	463.5
140°	467.9	468.7	469.4	470.2	471.1	472.2	473.2	474.2	475.3	476.1	477.0
142.5°	480.2	480.8	481.5	482.2	483.2	484.3	485.5	486.7	487.9	488.7	489.5
145°	498.7	498.6	498.5	498.4	499.2	500.8	502.4	504.0	505.6	506.3	507.0
147.5°	515.3	514.9	514.6	514.2	514.8	516.4	518.0	519.6	521.2	521.7	522.2
150°	525.9	525.2	524.6	523.9	524.3	525.9	527.4	528.9	530.4	531.0	531.6
152.5°	535.1	534.3	533.6	532.8	533.2	534.6	536.1	537.5	539.0	539.5	540.1
155°	548.4	547.5	546.7	545.8	546.0	547.1	548.2	549.4	550.5	551.1	551.7
157.5°	559.0	558.3	557.6	556.9	556.9	557.7	558.5	559.3	560.1	560.7	561.4
160°	565.3	564.8	564.2	563.6	563.6	564.2	564.8	565.3	565.9	566.5	567.0
162.5°	570.8	570.2	569.7	569.1	569.1	569.5	570.0	570.5	571.0	571.7	572.3
165°	578.2	577.6	577.0	576.4	576.3	576.6	576.9	577.2	577.4	578.1	578.8
167.5°	583.6	583.1	582.5	581.9	581.8	582.0	582.3	582.6	582.8	583.5	584.2
170°	586.7	586.1	585.6	585.0	584.8	585.0	585.2	585.4	585.6	586.2	586.9
172.5°	588.8	588.2	587.6	587.0	586.9	587.0	587.2	587.4	587.6	588.3	588.9
175°	591.3	590.6	590.0	589.3	589.1	589.3	589.5	589.6	589.8	590.5	591.2
177.5°	591.9	591.3	590.8	590.3	590.0	590.1	590.2	590.3	590.3	590.9	591.4
180°	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7



TEST NUMBER: P331785

CATALOG NUMBER: S122RDIW-S485D435U835-4F0-1E-UDD-A

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°	7.1	7.2	7.2	7.3	7.3	7.3	7.1
90°	10.0	10.4	10.8	11.0	11.2	11.4	11.5
92.5°	10.7	10.9	11.1	11.2	11.3	11.4	11.5
95°	18.1	18.6	18.8	18.7	18.6	18.5	18.4
97.5°	23.5	23.8	24.1	24.2	24.3	24.4	24.5
100°	26.6	27.4	27.9	28.1	28.3	28.4	28.6
102.5°	28.0	29.0	29.6	29.9	30.2	30.4	30.7
105°	29.2	30.3	31.0	31.3	31.7	32.1	32.5
107.5°	33.3	32.2	31.9	32.3	32.7	33.0	33.4
110°	46.3	36.8	32.2	32.6	33.0	33.4	33.8



TEST NUMBER: P331785

CATALOG NUMBER: S122RDIW-S485D435U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	84.7	50.1	32.9	33.2	33.5	33.8	34.1
115°	131.8	87.8	62.4	55.6	48.7	41.9	35.0
117.5°	260.2	249.5	233.0	210.5	188.0	165.6	143.1
120°	316.7	317.9	312.0	299.2	286.4	273.5	260.7
122.5°	335.5	336.2	335.3	332.8	330.3	327.8	325.3
125°	363.2	363.8	364.3	364.6	364.9	365.2	365.4
127.5°	389.0	390.0	390.5	390.6	390.6	390.7	390.7
130°	405.3	406.4	406.9	406.8	406.7	406.6	406.5
132.5°	420.9	421.8	422.2	422.1	422.0	422.0	421.9
135°	443.5	444.5	444.8	444.7	444.5	444.3	444.1
137.5°	464.4	465.3	465.6	465.3	465.0	464.7	464.3
140°	477.9	478.7	478.9	478.4	477.9	477.5	477.0
142.5°	490.3	491.1	491.2	490.7	490.3	489.8	489.3
145°	507.6	508.3	508.4	507.9	507.4	507.0	506.5
147.5°	522.7	523.2	523.2	522.8	522.4	522.0	521.6
150°	532.1	532.7	532.8	532.3	531.8	531.3	530.9
152.5°	540.7	541.3	541.2	540.6	540.0	539.3	538.7
155°	552.2	552.8	552.7	551.9	551.2	550.4	549.7
157.5°	562.0	562.7	562.6	561.9	561.1	560.4	559.7
160°	567.6	568.2	568.1	567.5	566.8	566.1	565.5
162.5°	573.0	573.6	573.5	572.7	571.9	571.1	570.3
165°	579.4	580.1	580.1	579.4	578.8	578.1	577.4
167.5°	584.8	585.5	585.4	584.5	583.7	582.8	582.0
170°	587.6	588.2	588.1	587.3	586.4	585.6	584.7
172.5°	589.6	590.3	590.2	589.3	588.5	587.6	586.8
175°	591.8	592.5	592.4	591.4	590.5	589.5	588.6
177.5°	591.9	592.5	592.4	591.7	591.0	590.3	589.7
180°	590.7	590.7	590.7	590.7	590.7	590.7	590.7

(END OF REPORT)