

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: P331794-940

Luminaire Tested: **S122RDIW-S485D970U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331794-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIW-S485D970U940-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 970 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4653.2 lumens
Efficiency: N/A
Efficacy: 102.9 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

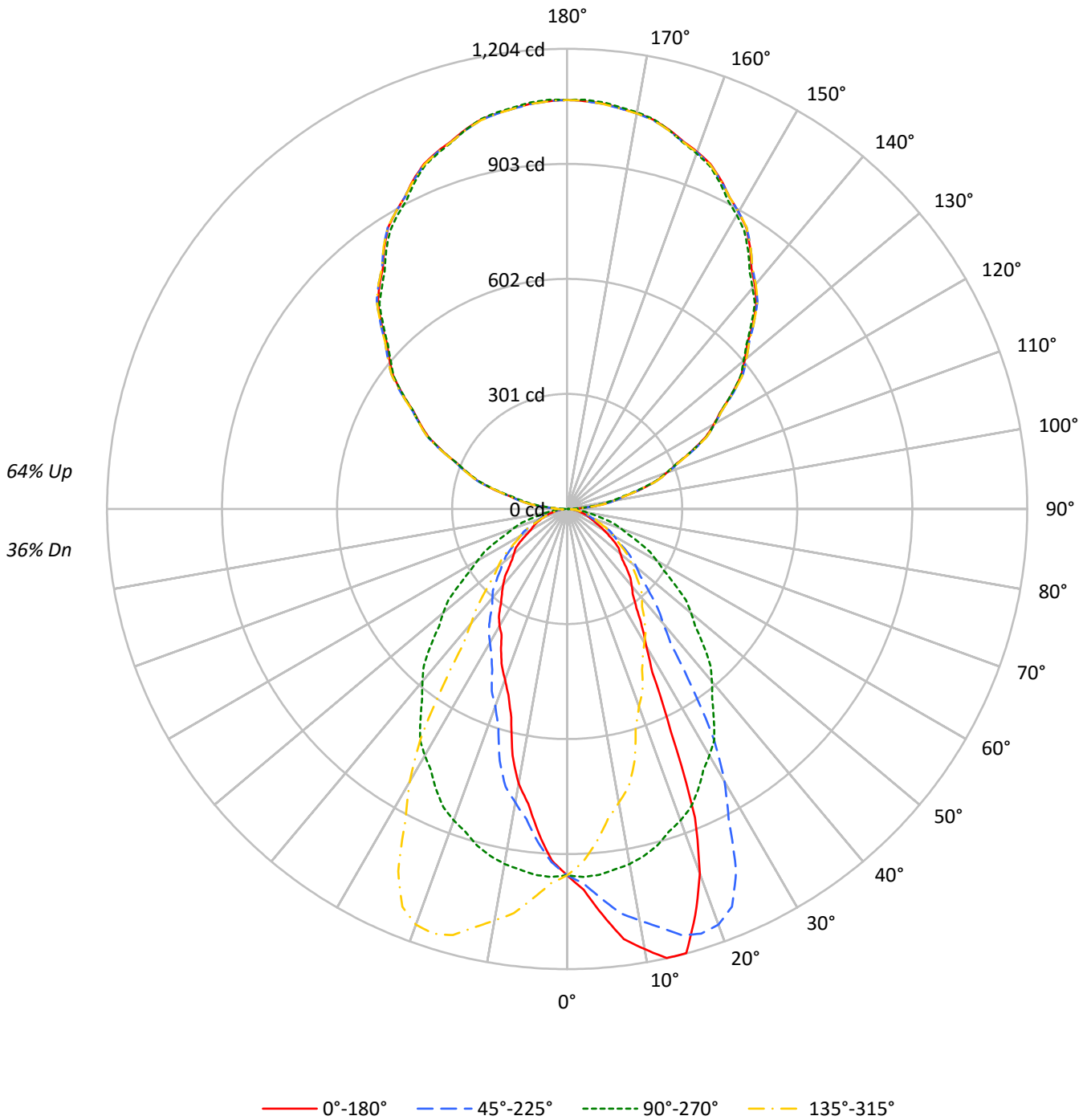
Input Watts (W): 45.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
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	50	30	10	0														
RCR																																						
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	36																				
1	95	91	87	84	86	83	80	77	67	65	63	52	51	50	39	38	37	31																				
2	87	80	74	70	79	73	68	64	59	56	53	47	44	42	35	33	32	27																				
3	80	71	64	59	72	65	59	54	53	49	45	42	39	37	31	30	28	24																				
4	73	63	56	50	66	58	51	46	47	43	39	37	34	32	28	26	25	21																				
5	67	57	49	43	61	52	45	40	42	38	34	34	31	28	26	24	22	19																				
6	62	51	43	38	56	47	40	35	38	34	30	31	27	25	24	22	20	17																				
7	58	46	39	33	52	42	36	31	35	30	27	28	25	22	22	20	18	15																				
8	54	42	35	30	49	39	32	28	32	27	24	26	23	20	20	18	16	14																				
9	50	38	31	27	45	35	29	25	30	25	21	24	21	18	19	17	15	13																				
10	47	35	28	24	42	33	26	22	27	23	19	22	19	16	18	15	14	12																				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15474	15474	15474	15474
5°	17280	15571	13807	15571
10°	19174	15462	11968	15462
15°	20117	15234	9429	15234
20°	17438	14899	8158	14899
25°	11437	14439	7285	14439
30°	7700	13882	6594	13882
35°	6236	13180	5947	13180
40°	5545	12416	5503	12416
45°	5019	11520	4912	11520
50°	4567	10630	4549	10630
55°	4293	9647	4236	9647
60°	3591	8741	3549	8741
65°	3030	7939	3435	7939
70°	2799	7091	3238	7091
75°	2620	6170	2994	6170
80°	2408	5077	2659	5077
85°	2205	4020	2353	4020



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.8	2.0
10°-20°	253.1	5.4
20°-30°	326.2	7.0
30°-40°	310.0	6.7
40°-50°	265.6	5.7
50°-60°	202.2	4.3
60°-70°	127.8	2.7
70°-80°	63.8	1.4
80°-90°	20.9	0.4
90°-100°	67.8	1.5
100°-110°	210.6	4.5
110°-120°	360.0	7.7
120°-130°	473.5	10.2
130°-140°	531.4	11.4
140°-150°	521.1	11.2
150°-160°	437.0	9.4
160°-170°	289.9	6.2
170°-180°	101.3	2.2
0°-30°	670.2	14.4
0°-40°	980.2	21.1
0°-60°	1448.0	31.1
0°-90°	1660.5	35.7
90°-120°	638.5	13.7
90°-150°	2164.4	46.5
90°-180°	2993.0	64.3
0°-180°	4653.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	958	958	958	958	958	
5°	1066	961	852	961	1066	105
15°	1204	911	564	911	1204	325
25°	642	810	409	810	642	305
35°	316	669	302	669	316	202
45°	220	504	215	504	220	170
55°	152	343	150	343	152	134
65°	79	208	90	208	79	81
75°	42	99	48	99	42	45
85°	12	22	13	22	12	14
90°	31	1	31	1	31	14
95°	56	47	56	47	56	62
105°	200	194	200	194	200	211
115°	361	361	361	361	361	357
125°	527	526	527	526	527	470
135°	688	680	688	680	688	530
145°	835	826	835	826	835	521
155°	951	944	951	944	951	438
165°	1028	1027	1028	1027	1028	290
175°	1065	1068	1065	1068	1065	101
180°	1070	1070	1070	1070	1070	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	997.3	998.1	998.9	997.0	997.0	995.4	991.9	989.3	981.8	980.7	980.7
5°	1066.2	1065.6	1066.9	1062.6	1056.6	1055.3	1048.9	1040.6	1032.0	1022.3	1020.3
7.5°	1134.9	1133.9	1131.2	1130.4	1125.9	1115.8	1105.6	1094.8	1080.4	1066.3	1059.3
10°	1169.5	1180.4	1173.8	1162.2	1164.5	1148.9	1140.5	1126.2	1114.2	1093.2	1088.6
12.5°	1203.5	1207.9	1205.8	1199.2	1196.2	1185.4	1174.1	1161.6	1139.5	1120.7	1104.3
15°	1203.5	1209.8	1211.5	1209.4	1211.1	1210.4	1204.4	1194.1	1174.8	1154.1	1136.2
17.5°	1114.6	1119.0	1129.9	1137.3	1146.7	1166.4	1176.1	1179.9	1177.0	1165.2	1152.5
20°	1014.9	1007.6	1038.3	1053.9	1067.3	1100.5	1129.2	1140.1	1157.8	1157.5	1154.1
22.5°	873.8	875.5	904.6	923.1	962.1	995.3	1028.0	1069.3	1103.5	1126.1	1139.2
25°	642.0	654.7	683.7	708.9	752.2	814.2	870.5	935.8	997.3	1046.0	1092.3
27.5°	482.1	483.1	506.0	529.5	555.2	605.9	676.8	754.7	842.6	915.0	998.4
30°	413.0	410.9	420.6	434.9	456.9	496.1	549.5	626.1	713.6	822.9	920.1
32.5°	363.9	364.0	371.3	381.9	400.1	426.6	463.2	525.3	608.1	715.5	829.5
35°	316.4	316.0	321.4	329.0	336.6	353.7	378.6	411.3	468.2	568.5	685.0
37.5°	282.2	283.7	286.3	291.1	299.5	309.0	324.0	345.9	386.5	445.8	543.7
40°	263.1	263.8	267.4	271.4	276.4	283.7	296.0	313.7	343.3	390.6	462.2
42.5°	245.5	246.1	248.8	252.4	256.4	263.8	273.9	289.2	313.3	350.1	409.2
45°	219.8	219.8	222.1	223.7	228.1	234.8	243.1	255.7	272.4	299.7	339.0
47.5°	195.6	195.7	197.2	200.1	202.9	208.0	216.2	226.6	238.7	259.8	293.4
50°	181.8	182.2	183.2	185.5	187.2	191.8	198.1	207.1	219.8	236.1	264.0
52.5°	170.6	170.4	171.7	172.7	173.8	177.2	181.9	189.8	201.2	215.3	238.5
55°	152.5	151.1	153.2	154.8	155.9	157.2	159.8	164.9	174.5	186.5	203.8
57.5°	129.8	129.3	130.7	132.2	135.4	139.0	141.2	144.5	149.5	158.0	175.2
60°	111.2	111.2	114.2	115.2	118.9	123.5	128.2	130.9	135.9	141.5	154.2
62.5°	94.7	95.0	96.4	97.4	99.4	105.1	111.7	117.5	122.3	127.7	136.1
65°	79.3	79.9	79.9	80.6	81.9	83.3	85.9	90.6	98.9	106.6	112.9
67.5°	67.2	67.5	67.7	68.3	68.7	70.1	71.2	73.3	75.2	82.5	90.3
70°	59.3	60.3	59.9	60.6	60.9	61.6	63.0	63.9	67.0	68.6	73.3
72.5°	51.8	52.5	52.5	52.9	53.8	53.9	54.9	55.9	57.9	59.3	61.8
75°	42.0	41.6	42.0	42.6	43.0	43.2	43.2	44.6	45.7	47.0	48.6
77.5°	32.4	32.7	32.6	32.7	32.7	33.3	33.3	33.9	34.9	35.6	36.4
80°	25.9	26.3	25.9	26.3	26.7	26.9	26.7	26.9	28.0	28.6	28.6
82.5°	20.2	20.2	20.4	20.4	20.5	20.6	21.0	21.1	21.8	21.7	21.9
85°	11.9	11.7	11.7	11.7	11.9	12.3	11.9	11.9	12.3	12.3	12.3
87.5°	10.4	10.6	10.6	10.5	10.5	10.5	10.6	11.0	10.8	11.1	10.0
90°	30.7	30.5	30.3	30.1	29.9	30.0	30.4	30.8	31.2	31.6	27.2
92.5°	29.2	29.2	29.2	29.2	29.1	29.1	29.0	28.9	28.8	28.7	27.6
95°	56.0	56.4	56.8	57.2	57.6	57.8	57.8	57.8	57.8	57.8	57.4
97.5°	97.0	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	96.4
100°	123.8	123.9	124.1	124.3	124.6	124.7	124.7	124.7	124.7	124.7	124.0
102.5°	154.1	154.3	154.4	154.7	154.9	154.9	154.7	154.6	154.4	154.3	153.5
105°	200.5	200.5	200.5	200.5	200.5	200.3	199.9	199.5	199.1	198.7	198.3
107.5°	244.2	245.1	246.0	247.0	247.9	248.3	248.2	248.0	247.8	247.6	247.6
110°	278.2	278.7	279.4	280.0	280.6	280.9	280.9	280.9	280.9	280.9	280.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	310.7	311.1	311.6	312.0	312.5	312.9	313.4	313.9	314.3	314.9	315.0
115°	361.2	361.9	362.5	363.1	363.6	364.1	364.3	364.4	364.7	364.9	365.2
117.5°	409.5	410.1	410.7	411.3	411.9	412.4	413.0	413.4	413.9	414.4	415.5
120°	443.4	444.1	444.7	445.2	445.9	446.2	446.2	446.2	446.2	446.2	447.8
122.5°	476.7	477.2	477.6	478.0	478.5	478.9	479.4	479.9	480.4	480.8	482.0
125°	527.4	527.6	527.9	528.1	528.2	528.7	529.2	529.9	530.5	531.1	531.6
127.5°	573.7	574.4	575.0	575.6	576.2	576.9	577.7	578.4	579.1	579.9	580.6
130°	606.9	607.7	608.5	609.3	610.1	610.7	611.2	611.5	612.0	612.3	612.8
132.5°	638.7	639.4	640.0	640.7	641.3	642.0	642.9	643.8	644.7	645.6	645.5
135°	688.2	688.8	689.4	690.0	690.6	691.0	691.3	691.4	691.6	691.8	691.4
137.5°	733.0	733.8	734.6	735.4	736.2	736.7	736.9	737.0	737.2	737.4	736.8
140°	764.1	764.9	765.7	766.5	767.3	767.7	767.7	767.7	767.7	767.7	766.7
142.5°	792.3	793.1	793.9	794.7	795.5	795.8	795.7	795.5	795.3	795.1	794.5
145°	834.6	835.4	836.2	837.0	837.8	838.0	837.9	837.7	837.4	837.2	836.1
147.5°	872.3	873.1	873.8	874.6	875.3	875.5	875.0	874.6	874.1	873.7	872.9
150°	896.9	897.4	898.0	898.7	899.3	899.3	898.7	898.0	897.4	896.9	896.1
152.5°	920.0	920.7	921.5	922.3	923.0	923.0	922.3	921.5	920.7	920.0	919.0
155°	951.0	951.6	952.3	952.9	953.4	953.2	952.3	951.3	950.2	949.2	948.6
157.5°	977.8	978.7	979.7	980.7	981.6	981.4	980.1	978.7	977.3	976.0	975.6
160°	994.4	995.2	996.0	996.8	997.6	997.4	996.2	995.0	993.8	992.6	992.4
162.5°	1008.9	1009.8	1010.8	1011.7	1012.7	1012.5	1011.1	1009.8	1008.4	1007.0	1006.8
165°	1027.8	1028.9	1029.8	1030.8	1031.8	1031.6	1030.2	1028.9	1027.4	1026.0	1026.0
167.5°	1043.4	1044.4	1045.4	1046.5	1047.5	1047.3	1046.0	1044.6	1043.1	1041.7	1041.8
170°	1051.3	1052.5	1053.7	1054.9	1056.1	1056.1	1054.6	1053.2	1051.8	1050.4	1050.6
172.5°	1057.8	1059.0	1060.2	1061.4	1062.7	1062.5	1061.1	1059.7	1058.3	1056.9	1057.1
175°	1064.9	1066.0	1067.3	1068.4	1069.7	1069.5	1068.2	1066.8	1065.3	1063.9	1064.3
177.5°	1068.1	1069.1	1070.1	1070.9	1071.9	1071.9	1070.9	1070.1	1069.1	1068.1	1068.4
180°	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	981.2	979.2	977.3	972.5	970.1	964.7	963.9	963.7	956.8	950.1	948.2
5°	1014.9	1009.7	1001.7	992.3	982.7	972.7	966.0	960.7	947.4	934.7	927.4
7.5°	1048.9	1037.5	1023.7	1006.0	991.3	974.8	962.6	951.5	932.6	914.5	902.3
10°	1074.2	1055.6	1037.3	1013.0	994.0	975.4	958.1	943.1	921.8	897.8	880.7
12.5°	1089.9	1069.4	1044.2	1020.5	995.9	972.1	949.0	929.7	904.7	879.9	859.7
15°	1111.3	1089.2	1058.6	1024.7	993.0	962.1	935.4	911.4	878.8	849.2	824.5
17.5°	1128.6	1098.3	1065.4	1026.2	989.5	950.2	915.9	885.2	848.9	813.2	784.2
20°	1134.2	1104.2	1066.2	1027.0	983.6	937.4	900.4	867.1	828.1	789.2	755.9
22.5°	1130.7	1107.4	1065.1	1018.2	973.8	925.4	883.7	845.0	801.8	762.1	723.4
25°	1107.2	1099.2	1059.3	1008.0	957.3	901.1	852.8	810.5	761.3	718.6	676.6
27.5°	1052.4	1069.7	1044.9	990.2	934.0	873.6	819.4	771.2	720.1	672.1	630.3
30°	999.7	1039.3	1028.6	978.0	915.1	855.8	794.9	744.6	690.0	640.7	599.4
32.5°	927.5	992.9	1003.4	961.0	895.9	830.7	766.9	716.8	659.9	607.9	567.7
35°	812.5	910.4	955.4	928.4	863.1	792.9	726.9	668.7	611.4	560.1	520.1
37.5°	675.4	808.7	883.7	885.6	825.6	752.6	680.8	622.9	564.3	514.0	470.7
40°	586.4	730.9	828.5	850.2	799.5	720.6	648.0	589.1	531.8	482.5	432.9
42.5°	506.5	650.5	770.4	808.1	767.9	689.5	616.6	555.0	499.3	452.6	402.0
45°	409.6	535.5	667.6	734.9	712.7	640.0	563.1	504.5	452.2	411.9	363.3
47.5°	345.5	434.3	562.1	653.2	652.7	586.5	510.9	454.7	406.2	368.5	329.0
50°	309.0	386.3	494.5	597.7	606.4	550.8	478.8	423.2	378.0	338.3	306.7
52.5°	276.3	339.9	437.2	536.2	560.8	512.6	442.9	391.6	347.6	311.1	284.0
55°	233.4	282.7	356.7	449.2	486.5	452.5	390.6	342.7	307.0	276.4	253.1
57.5°	197.4	234.4	293.7	368.3	411.7	390.3	339.3	300.3	269.8	242.1	223.7
60°	174.9	205.1	255.4	317.7	365.6	350.6	307.0	270.7	244.8	220.8	203.5
62.5°	153.6	179.6	222.7	273.2	317.2	310.9	275.4	244.9	222.1	200.3	185.7
65°	123.5	142.5	176.1	215.8	251.1	254.0	228.5	207.8	187.4	170.1	157.2
67.5°	98.4	110.8	134.5	167.8	194.3	203.8	188.1	172.3	156.1	142.8	131.5
70°	82.9	92.9	110.2	137.2	161.5	171.5	162.5	150.2	136.2	125.2	115.6
72.5°	67.2	77.0	89.7	109.5	130.4	141.2	138.0	129.1	117.8	108.7	99.6
75°	50.6	53.6	62.2	75.6	91.9	101.2	103.5	98.9	89.9	82.9	77.6
77.5°	37.5	39.2	43.3	50.4	61.0	69.3	72.8	72.2	66.0	62.0	57.0
80°	30.0	30.9	33.0	35.9	44.0	52.3	54.6	54.6	50.3	48.6	43.6
82.5°	22.7	23.5	24.7	26.4	30.1	37.4	39.9	40.5	37.7	35.6	31.7
85°	13.0	12.7	13.3	14.4	15.0	16.9	21.0	21.7	21.0	18.3	17.3
87.5°	9.1	8.5	7.6	6.6	6.4	6.2	7.0	7.9	7.3	7.0	7.0
90°	22.7	18.4	13.9	10.5	8.1	5.7	3.3	0.9	3.3	5.7	8.1
92.5°	26.7	25.6	24.5	23.2	21.4	19.6	17.8	16.1	17.8	19.6	21.4
95°	57.0	56.6	56.2	55.0	53.0	51.0	49.0	47.0	49.0	51.0	53.0
97.5°	95.7	94.9	94.2	92.8	91.1	89.3	87.6	85.8	87.6	89.3	91.1
100°	123.4	122.8	122.3	121.1	119.5	117.9	116.3	114.7	116.3	117.9	119.5
102.5°	152.8	151.9	151.2	150.2	148.9	147.6	146.3	145.1	146.3	147.6	148.9
105°	197.9	197.5	197.1	196.6	196.0	195.4	194.7	194.2	194.7	195.4	196.0
107.5°	247.6	247.6	247.6	247.2	246.3	245.4	244.6	243.7	244.6	245.4	246.3
110°	280.9	280.9	280.9	280.3	279.1	277.9	276.7	275.4	276.7	277.9	279.1



TEST NUMBER: P331794-940

CATALOG NUMBER: S122RDIW-S485D970U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	315.1	315.3	315.5	315.0	313.8	312.5	311.4	310.1	311.4	312.5	313.8
115°	365.7	366.0	366.5	366.0	364.9	363.6	362.5	361.2	362.5	363.6	364.9
117.5°	416.6	417.8	418.8	418.7	417.1	415.4	413.8	412.2	413.8	415.4	417.1
120°	449.4	451.0	452.6	452.6	451.0	449.4	447.8	446.2	447.8	449.4	451.0
122.5°	483.1	484.2	485.4	484.9	483.0	481.1	479.2	477.2	479.2	481.1	483.0
125°	532.3	532.9	533.5	532.9	531.1	529.2	527.4	525.7	527.4	529.2	531.1
127.5°	581.3	582.0	582.7	581.9	579.7	577.4	575.1	572.8	575.1	577.4	579.7
130°	613.1	613.6	613.9	612.9	610.3	607.6	605.0	602.4	605.0	607.6	610.3
132.5°	645.4	645.3	645.2	644.2	642.0	639.9	637.8	635.6	637.8	639.9	642.0
135°	691.0	690.6	690.2	688.9	686.7	684.5	682.3	680.1	682.3	684.5	686.7
137.5°	736.3	735.8	735.3	734.1	732.3	730.5	728.7	726.8	728.7	730.5	732.3
140°	765.7	764.7	763.7	762.2	760.5	758.7	756.9	755.0	756.9	758.7	760.5
142.5°	793.8	793.1	792.5	791.2	789.3	787.6	785.8	784.0	785.8	787.6	789.3
145°	834.8	833.7	832.4	831.2	829.7	828.3	826.9	825.5	826.9	828.3	829.7
147.5°	872.1	871.3	870.5	869.2	867.5	865.9	864.2	862.6	864.2	865.9	867.5
150°	895.3	894.5	893.7	892.6	891.4	890.2	889.0	887.8	889.0	890.2	891.4
152.5°	918.0	917.1	916.1	915.1	913.8	912.7	911.4	910.3	911.4	912.7	913.8
155°	948.1	947.4	946.8	946.2	945.7	945.0	944.4	943.8	944.4	945.0	945.7
157.5°	975.3	974.9	974.6	974.1	973.7	973.3	972.9	972.5	972.9	973.3	973.7
160°	992.2	992.0	991.8	991.5	991.0	990.7	990.2	989.9	990.2	990.7	991.0
162.5°	1006.7	1006.5	1006.2	1006.1	1006.0	1005.9	1005.8	1005.8	1005.8	1005.9	1006.0
165°	1026.0	1026.0	1026.0	1026.1	1026.3	1026.5	1026.7	1026.9	1026.7	1026.5	1026.3
167.5°	1041.8	1041.9	1041.9	1042.2	1042.8	1043.4	1044.0	1044.6	1044.0	1043.4	1042.8
170°	1050.8	1051.0	1051.2	1051.6	1052.2	1052.8	1053.4	1054.0	1053.4	1052.8	1052.2
172.5°	1057.3	1057.5	1057.7	1058.1	1058.7	1059.3	1059.9	1060.5	1059.9	1059.3	1058.7
175°	1064.7	1065.1	1065.5	1066.0	1066.7	1067.3	1067.8	1068.4	1067.8	1067.3	1066.7
177.5°	1068.7	1069.1	1069.3	1069.8	1070.2	1070.8	1071.2	1071.7	1071.2	1070.8	1070.2
180°	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2



TEST NUMBER: P331794-940

CATALOG NUMBER: S122RDIW-S485D970U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	944.8	942.9	939.4	934.2	930.9	925.3	921.6	923.7	924.3	923.7	923.2
5°	919.4	912.4	902.8	893.4	884.8	875.5	870.1	867.8	863.1	860.5	859.2
7.5°	888.7	876.6	863.0	846.8	832.9	818.5	811.1	807.4	797.9	792.7	788.2
10°	865.8	846.8	833.1	811.8	798.9	779.9	766.9	767.2	754.2	746.9	741.5
12.5°	840.5	819.7	796.9	777.8	759.7	744.5	728.8	722.5	708.6	701.6	687.2
15°	798.5	774.2	750.3	724.2	706.0	682.3	659.7	632.0	609.8	590.4	585.1
17.5°	752.7	722.6	698.6	668.1	636.7	596.9	570.7	554.6	541.2	531.0	523.4
20°	721.3	690.6	665.0	619.0	576.8	549.7	530.5	518.2	504.2	493.2	487.1
22.5°	688.2	656.3	621.3	570.0	537.1	515.4	498.2	484.0	474.6	466.0	460.6
25°	641.3	606.4	548.8	513.4	486.9	464.2	452.2	443.5	433.5	421.9	416.6
27.5°	591.8	536.2	494.8	468.6	443.2	428.5	417.7	404.7	395.8	390.6	385.0
30°	554.7	499.2	466.9	438.2	420.3	403.9	391.3	384.0	375.3	366.3	362.7
32.5°	513.4	469.0	438.1	414.3	396.0	382.1	372.1	360.3	354.0	348.5	340.8
35°	462.2	428.6	400.3	380.9	363.6	352.3	340.6	333.7	322.4	317.7	314.7
37.5°	418.7	389.6	368.5	348.1	334.4	321.9	314.8	303.6	298.7	292.2	285.9
40°	394.2	365.6	345.4	328.7	313.3	304.0	295.1	286.1	278.7	275.7	268.0
42.5°	369.3	345.9	325.6	307.4	297.1	287.2	275.9	269.3	261.6	256.8	252.1
45°	334.7	314.1	296.7	281.7	270.4	260.1	252.7	241.7	237.5	227.7	223.7
47.5°	304.3	285.1	268.6	254.3	243.3	236.6	225.9	217.2	210.4	204.4	199.3
50°	282.7	266.7	250.7	238.1	228.1	218.5	207.5	203.1	192.4	189.5	186.5
52.5°	263.0	247.8	233.2	220.8	210.8	201.4	191.7	186.1	178.9	175.8	173.7
55°	235.4	220.8	206.8	195.8	185.8	176.1	170.1	163.2	159.8	157.5	154.8
57.5°	207.7	194.6	183.8	172.7	162.6	155.0	148.0	143.8	140.4	137.3	134.1
60°	190.1	177.5	167.8	157.5	147.2	140.9	135.5	130.5	126.5	121.9	120.6
62.5°	171.5	160.4	151.6	141.5	132.5	126.7	121.7	117.0	112.2	105.4	103.5
65°	145.9	137.2	127.9	119.6	111.6	105.9	98.5	93.3	91.2	90.6	90.2
67.5°	122.7	114.5	106.5	98.0	90.7	85.4	81.7	80.9	79.5	79.1	78.2
70°	107.2	99.6	91.6	83.6	76.6	75.6	74.3	72.9	71.2	70.6	69.9
72.5°	93.4	85.4	77.5	71.1	68.0	66.8	65.5	64.1	63.0	62.3	62.0
75°	71.6	64.3	58.9	56.6	54.9	53.9	52.0	50.9	50.3	49.3	49.0
77.5°	51.5	47.4	44.9	43.5	41.7	40.7	39.6	38.5	37.8	37.6	37.1
80°	39.3	37.3	35.7	33.6	33.0	31.7	31.3	30.3	30.7	29.6	29.6
82.5°	30.5	28.0	26.6	25.7	25.0	23.9	23.5	23.1	23.2	22.5	22.5
85°	15.7	15.0	14.4	13.6	13.6	12.7	13.0	12.7	12.7	11.9	11.7
87.5°	7.1	7.6	7.9	8.8	9.7	10.3	10.3	9.9	9.8	9.7	9.5
90°	10.5	13.9	18.4	22.7	27.2	31.6	31.2	30.8	30.4	30.0	29.9
92.5°	23.2	24.5	25.6	26.7	27.6	28.7	28.8	28.9	29.0	29.1	29.1
95°	55.0	56.2	56.6	57.0	57.4	57.8	57.8	57.8	57.8	57.8	57.6
97.5°	92.8	94.2	94.9	95.7	96.4	97.2	97.2	97.2	97.2	97.2	97.2
100°	121.1	122.3	122.8	123.4	124.0	124.7	124.7	124.7	124.7	124.7	124.6
102.5°	150.2	151.2	151.9	152.8	153.5	154.3	154.4	154.6	154.7	154.9	154.9
105°	196.6	197.1	197.5	197.9	198.3	198.7	199.1	199.5	199.9	200.3	200.5
107.5°	247.2	247.6	247.6	247.6	247.6	247.6	247.8	248.0	248.2	248.3	247.9
110°	280.3	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.6



TEST NUMBER: P331794-940

CATALOG NUMBER: S122RDIW-S485D970U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	315.0	315.5	315.3	315.1	315.0	314.9	314.3	313.9	313.4	312.9	312.5
115°	366.0	366.5	366.0	365.7	365.2	364.9	364.7	364.4	364.3	364.1	363.6
117.5°	418.7	418.8	417.8	416.6	415.5	414.4	413.9	413.4	413.0	412.4	411.9
120°	452.6	452.6	451.0	449.4	447.8	446.2	446.2	446.2	446.2	446.2	445.9
122.5°	484.9	485.4	484.2	483.1	482.0	480.8	480.4	479.9	479.4	478.9	478.5
125°	532.9	533.5	532.9	532.3	531.6	531.1	530.5	529.9	529.2	528.7	528.2
127.5°	581.9	582.7	582.0	581.3	580.6	579.9	579.1	578.4	577.7	576.9	576.2
130°	612.9	613.9	613.6	613.1	612.8	612.3	612.0	611.5	611.2	610.7	610.1
132.5°	644.2	645.2	645.3	645.4	645.5	645.6	644.7	643.8	642.9	642.0	641.3
135°	688.9	690.2	690.6	691.0	691.4	691.8	691.6	691.4	691.3	691.0	690.6
137.5°	734.1	735.3	735.8	736.3	736.8	737.4	737.2	737.0	736.9	736.7	736.2
140°	762.2	763.7	764.7	765.7	766.7	767.7	767.7	767.7	767.7	767.7	767.3
142.5°	791.2	792.5	793.1	793.8	794.5	795.1	795.3	795.5	795.7	795.8	795.5
145°	831.2	832.4	833.7	834.8	836.1	837.2	837.4	837.7	837.9	838.0	837.8
147.5°	869.2	870.5	871.3	872.1	872.9	873.7	874.1	874.6	875.0	875.5	875.3
150°	892.6	893.7	894.5	895.3	896.1	896.9	897.4	898.0	898.7	899.3	899.3
152.5°	915.1	916.1	917.1	918.0	919.0	920.0	920.7	921.5	922.3	923.0	923.0
155°	946.2	946.8	947.4	948.1	948.6	949.2	950.2	951.3	952.3	953.2	953.4
157.5°	974.1	974.6	974.9	975.3	975.6	976.0	977.3	978.7	980.1	981.4	981.6
160°	991.5	991.8	992.0	992.2	992.4	992.6	993.8	995.0	996.2	997.4	997.6
162.5°	1006.1	1006.2	1006.5	1006.7	1006.8	1007.0	1008.4	1009.8	1011.1	1012.5	1012.7
165°	1026.1	1026.0	1026.0	1026.0	1026.0	1026.0	1027.4	1028.9	1030.2	1031.6	1031.8
167.5°	1042.2	1041.9	1041.9	1041.8	1041.8	1041.7	1043.1	1044.6	1046.0	1047.3	1047.5
170°	1051.6	1051.2	1051.0	1050.8	1050.6	1050.4	1051.8	1053.2	1054.6	1056.1	1056.1
172.5°	1058.1	1057.7	1057.5	1057.3	1057.1	1056.9	1058.3	1059.7	1061.1	1062.5	1062.7
175°	1066.0	1065.5	1065.1	1064.7	1064.3	1063.9	1065.3	1066.8	1068.2	1069.5	1069.7
177.5°	1069.8	1069.3	1069.1	1068.7	1068.4	1068.1	1069.1	1070.1	1070.9	1071.9	1071.9
180°	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2



TEST NUMBER: P331794-940

CATALOG NUMBER: S122RDIW-S485D970U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	920.2	920.8	920.0	920.5	920.0	920.8	920.2	923.2	923.7	924.3	923.7
5°	857.5	853.5	852.8	851.9	852.8	853.5	857.5	859.2	860.5	863.1	867.8
7.5°	782.5	781.9	780.2	777.8	780.2	781.9	782.5	788.2	792.7	797.9	807.4
10°	734.2	732.6	732.3	730.0	732.3	732.6	734.2	741.5	746.9	754.2	767.2
12.5°	677.8	667.1	665.9	660.1	665.9	667.1	677.8	687.2	701.6	708.6	722.5
15°	577.1	575.1	568.5	564.1	568.5	575.1	577.1	585.1	590.4	609.8	632.0
17.5°	519.5	513.0	511.0	510.1	511.0	513.0	519.5	523.4	531.0	541.2	554.6
20°	482.5	476.5	475.5	474.8	475.5	476.5	482.5	487.1	493.2	504.2	518.2
22.5°	456.9	450.7	448.1	446.1	448.1	450.7	456.9	460.6	466.0	474.6	484.0
25°	413.2	410.9	409.6	408.9	409.6	410.9	413.2	416.6	421.9	433.5	443.5
27.5°	379.1	374.0	372.9	371.2	372.9	374.0	379.1	385.0	390.6	395.8	404.7
30°	359.6	357.9	355.6	353.7	355.6	357.9	359.6	362.7	366.3	375.3	384.0
32.5°	336.7	335.4	333.2	332.3	333.2	335.4	336.7	340.8	348.5	354.0	360.3
35°	311.4	306.7	304.7	301.7	304.7	306.7	311.4	314.7	317.7	322.4	333.7
37.5°	284.5	282.0	279.3	280.3	279.3	282.0	284.5	285.9	292.2	298.7	303.6
40°	263.8	262.1	261.4	261.1	261.4	262.1	263.8	268.0	275.7	278.7	286.1
42.5°	247.2	242.6	240.9	240.9	240.9	242.6	247.2	252.1	256.8	261.6	269.3
45°	222.1	217.8	214.8	215.1	214.8	217.8	222.1	223.7	227.7	237.5	241.7
47.5°	196.4	196.3	194.4	195.0	194.4	196.3	196.4	199.3	204.4	210.4	217.2
50°	184.1	182.2	180.8	181.1	180.8	182.2	184.1	186.5	189.5	192.4	203.1
52.5°	172.5	170.7	169.6	171.0	169.6	170.7	172.5	173.7	175.8	178.9	186.1
55°	153.2	151.1	150.9	150.5	150.9	151.1	153.2	154.8	157.5	159.8	163.2
57.5°	131.7	130.4	128.3	127.5	128.3	130.4	131.7	134.1	137.3	140.4	143.8
60°	116.2	113.5	110.2	109.9	110.2	113.5	116.2	120.6	121.9	126.5	130.5
62.5°	102.1	101.6	100.9	100.9	100.9	101.6	102.1	103.5	105.4	112.2	117.0
65°	89.6	89.3	89.6	89.9	89.6	89.3	89.6	90.2	90.6	91.2	93.3
67.5°	78.0	77.5	76.9	77.1	76.9	77.5	78.0	78.2	79.1	79.5	80.9
70°	69.3	68.9	68.6	68.6	68.6	68.9	69.3	69.9	70.6	71.2	72.9
72.5°	60.7	60.6	60.4	60.1	60.4	60.6	60.7	62.0	62.3	63.0	64.1
75°	48.6	48.0	48.0	48.0	48.0	48.0	48.6	49.0	49.3	50.3	50.9
77.5°	37.0	36.7	36.4	36.1	36.4	36.7	37.0	37.1	37.6	37.8	38.5
80°	29.3	29.0	28.6	28.6	28.6	29.0	29.3	29.6	29.6	30.7	30.3
82.5°	22.4	22.0	21.9	21.7	21.9	22.0	22.4	22.5	22.5	23.2	23.1
85°	11.9	12.3	11.9	12.7	11.9	12.3	11.9	11.7	11.9	12.7	12.7
87.5°	9.5	9.3	9.5	9.4	9.5	9.3	9.5	9.5	9.7	9.8	9.9
90°	30.1	30.3	30.5	30.7	30.5	30.3	30.1	29.9	30.0	30.4	30.8
92.5°	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.1	29.1	29.0	28.9
95°	57.2	56.8	56.4	56.0	56.4	56.8	57.2	57.6	57.8	57.8	57.8
97.5°	97.1	97.1	97.0	97.0	97.0	97.1	97.1	97.2	97.2	97.2	97.2
100°	124.3	124.1	123.9	123.8	123.9	124.1	124.3	124.6	124.7	124.7	124.7
102.5°	154.7	154.4	154.3	154.1	154.3	154.4	154.7	154.9	154.9	154.7	154.6
105°	200.5	200.5	200.5	200.5	200.5	200.5	200.5	200.5	200.3	199.9	199.5
107.5°	247.0	246.0	245.1	244.2	245.1	246.0	247.0	247.9	248.3	248.2	248.0
110°	280.0	279.4	278.7	278.2	278.7	279.4	280.0	280.6	280.9	280.9	280.9



TEST NUMBER: P331794-940

CATALOG NUMBER: S122RDIW-S485D970U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	312.0	311.6	311.1	310.7	311.1	311.6	312.0	312.5	312.9	313.4	313.9
115°	363.1	362.5	361.9	361.2	361.9	362.5	363.1	363.6	364.1	364.3	364.4
117.5°	411.3	410.7	410.1	409.5	410.1	410.7	411.3	411.9	412.4	413.0	413.4
120°	445.2	444.7	444.1	443.4	444.1	444.7	445.2	445.9	446.2	446.2	446.2
122.5°	478.0	477.6	477.2	476.7	477.2	477.6	478.0	478.5	478.9	479.4	479.9
125°	528.1	527.9	527.6	527.4	527.6	527.9	528.1	528.2	528.7	529.2	529.9
127.5°	575.6	575.0	574.4	573.7	574.4	575.0	575.6	576.2	576.9	577.7	578.4
130°	609.3	608.5	607.7	606.9	607.7	608.5	609.3	610.1	610.7	611.2	611.5
132.5°	640.7	640.0	639.4	638.7	639.4	640.0	640.7	641.3	642.0	642.9	643.8
135°	690.0	689.4	688.8	688.2	688.8	689.4	690.0	690.6	691.0	691.3	691.4
137.5°	735.4	734.6	733.8	733.0	733.8	734.6	735.4	736.2	736.7	736.9	737.0
140°	766.5	765.7	764.9	764.1	764.9	765.7	766.5	767.3	767.7	767.7	767.7
142.5°	794.7	793.9	793.1	792.3	793.1	793.9	794.7	795.5	795.8	795.7	795.5
145°	837.0	836.2	835.4	834.6	835.4	836.2	837.0	837.8	838.0	837.9	837.7
147.5°	874.6	873.8	873.1	872.3	873.1	873.8	874.6	875.3	875.5	875.0	874.6
150°	898.7	898.0	897.4	896.9	897.4	898.0	898.7	899.3	899.3	898.7	898.0
152.5°	922.3	921.5	920.7	920.0	920.7	921.5	922.3	923.0	923.0	922.3	921.5
155°	952.9	952.3	951.6	951.0	951.6	952.3	952.9	953.4	953.2	952.3	951.3
157.5°	980.7	979.7	978.7	977.8	978.7	979.7	980.7	981.6	981.4	980.1	978.7
160°	996.8	996.0	995.2	994.4	995.2	996.0	996.8	997.6	997.4	996.2	995.0
162.5°	1011.7	1010.8	1009.8	1008.9	1009.8	1010.8	1011.7	1012.7	1012.5	1011.1	1009.8
165°	1030.8	1029.8	1028.9	1027.8	1028.9	1029.8	1030.8	1031.8	1031.6	1030.2	1028.9
167.5°	1046.5	1045.4	1044.4	1043.4	1044.4	1045.4	1046.5	1047.5	1047.3	1046.0	1044.6
170°	1054.9	1053.7	1052.5	1051.3	1052.5	1053.7	1054.9	1056.1	1056.1	1054.6	1053.2
172.5°	1061.4	1060.2	1059.0	1057.8	1059.0	1060.2	1061.4	1062.7	1062.5	1061.1	1059.7
175°	1068.4	1067.3	1066.0	1064.9	1066.0	1067.3	1068.4	1069.7	1069.5	1068.2	1066.8
177.5°	1070.9	1070.1	1069.1	1068.1	1069.1	1070.1	1070.9	1071.9	1071.9	1070.9	1070.1
180°	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2



TEST NUMBER: P331794-940

CATALOG NUMBER: S122RDIW-S485D970U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	921.6	925.3	930.9	934.2	939.4	942.9	944.8	948.2	950.1	956.8	963.7
5°	870.1	875.5	884.8	893.4	902.8	912.4	919.4	927.4	934.7	947.4	960.7
7.5°	811.1	818.5	832.9	846.8	863.0	876.6	888.7	902.3	914.5	932.6	951.5
10°	766.9	779.9	798.9	811.8	833.1	846.8	865.8	880.7	897.8	921.8	943.1
12.5°	728.8	744.5	759.7	777.8	796.9	819.7	840.5	859.7	879.9	904.7	929.7
15°	659.7	682.3	706.0	724.2	750.3	774.2	798.5	824.5	849.2	878.8	911.4
17.5°	570.7	596.9	636.7	668.1	698.6	722.6	752.7	784.2	813.2	848.9	885.2
20°	530.5	549.7	576.8	619.0	665.0	690.6	721.3	755.9	789.2	828.1	867.1
22.5°	498.2	515.4	537.1	570.0	621.3	656.3	688.2	723.4	762.1	801.8	845.0
25°	452.2	464.2	486.9	513.4	548.8	606.4	641.3	676.6	718.6	761.3	810.5
27.5°	417.7	428.5	443.2	468.6	494.8	536.2	591.8	630.3	672.1	720.1	771.2
30°	391.3	403.9	420.3	438.2	466.9	499.2	554.7	599.4	640.7	690.0	744.6
32.5°	372.1	382.1	396.0	414.3	438.1	469.0	513.4	567.7	607.9	659.9	716.8
35°	340.6	352.3	363.6	380.9	400.3	428.6	462.2	520.1	560.1	611.4	668.7
37.5°	314.8	321.9	334.4	348.1	368.5	389.6	418.7	470.7	514.0	564.3	622.9
40°	295.1	304.0	313.3	328.7	345.4	365.6	394.2	432.9	482.5	531.8	589.1
42.5°	275.9	287.2	297.1	307.4	325.6	345.9	369.3	402.0	452.6	499.3	555.0
45°	252.7	260.1	270.4	281.7	296.7	314.1	334.7	363.3	411.9	452.2	504.5
47.5°	225.9	236.6	243.3	254.3	268.6	285.1	304.3	329.0	368.5	406.2	454.7
50°	207.5	218.5	228.1	238.1	250.7	266.7	282.7	306.7	338.3	378.0	423.2
52.5°	191.7	201.4	210.8	220.8	233.2	247.8	263.0	284.0	311.1	347.6	391.6
55°	170.1	176.1	185.8	195.8	206.8	220.8	235.4	253.1	276.4	307.0	342.7
57.5°	148.0	155.0	162.6	172.7	183.8	194.6	207.7	223.7	242.1	269.8	300.3
60°	135.5	140.9	147.2	157.5	167.8	177.5	190.1	203.5	220.8	244.8	270.7
62.5°	121.7	126.7	132.5	141.5	151.6	160.4	171.5	185.7	200.3	222.1	244.9
65°	98.5	105.9	111.6	119.6	127.9	137.2	145.9	157.2	170.1	187.4	207.8
67.5°	81.7	85.4	90.7	98.0	106.5	114.5	122.7	131.5	142.8	156.1	172.3
70°	74.3	75.6	76.6	83.6	91.6	99.6	107.2	115.6	125.2	136.2	150.2
72.5°	65.5	66.8	68.0	71.1	77.5	85.4	93.4	99.6	108.7	117.8	129.1
75°	52.0	53.9	54.9	56.6	58.9	64.3	71.6	77.6	82.9	89.9	98.9
77.5°	39.6	40.7	41.7	43.5	44.9	47.4	51.5	57.0	62.0	66.0	72.2
80°	31.3	31.7	33.0	33.6	35.7	37.3	39.3	43.6	48.6	50.3	54.6
82.5°	23.5	23.9	25.0	25.7	26.6	28.0	30.5	31.7	35.6	37.7	40.5
85°	13.0	12.7	13.6	13.6	14.4	15.0	15.7	17.3	18.3	21.0	21.7
87.5°	10.3	10.3	9.7	8.8	7.9	7.6	7.1	7.0	7.0	7.3	7.9
90°	31.2	31.6	27.2	22.7	18.4	13.9	10.5	8.1	5.7	3.3	0.9
92.5°	28.8	28.7	27.6	26.7	25.6	24.5	23.2	21.4	19.6	17.8	16.1
95°	57.8	57.8	57.4	57.0	56.6	56.2	55.0	53.0	51.0	49.0	47.0
97.5°	97.2	97.2	96.4	95.7	94.9	94.2	92.8	91.1	89.3	87.6	85.8
100°	124.7	124.7	124.0	123.4	122.8	122.3	121.1	119.5	117.9	116.3	114.7
102.5°	154.4	154.3	153.5	152.8	151.9	151.2	150.2	148.9	147.6	146.3	145.1
105°	199.1	198.7	198.3	197.9	197.5	197.1	196.6	196.0	195.4	194.7	194.2
107.5°	247.8	247.6	247.6	247.6	247.6	247.6	247.2	246.3	245.4	244.6	243.7
110°	280.9	280.9	280.9	280.9	280.9	280.9	280.3	279.1	277.9	276.7	275.4



TEST NUMBER: P331794-940

CATALOG NUMBER: S122RDIW-S485D970U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	314.3	314.9	315.0	315.1	315.3	315.5	315.0	313.8	312.5	311.4	310.1
115°	364.7	364.9	365.2	365.7	366.0	366.5	366.0	364.9	363.6	362.5	361.2
117.5°	413.9	414.4	415.5	416.6	417.8	418.8	418.7	417.1	415.4	413.8	412.2
120°	446.2	446.2	447.8	449.4	451.0	452.6	452.6	451.0	449.4	447.8	446.2
122.5°	480.4	480.8	482.0	483.1	484.2	485.4	484.9	483.0	481.1	479.2	477.2
125°	530.5	531.1	531.6	532.3	532.9	533.5	532.9	531.1	529.2	527.4	525.7
127.5°	579.1	579.9	580.6	581.3	582.0	582.7	581.9	579.7	577.4	575.1	572.8
130°	612.0	612.3	612.8	613.1	613.6	613.9	612.9	610.3	607.6	605.0	602.4
132.5°	644.7	645.6	645.5	645.4	645.3	645.2	644.2	642.0	639.9	637.8	635.6
135°	691.6	691.8	691.4	691.0	690.6	690.2	688.9	686.7	684.5	682.3	680.1
137.5°	737.2	737.4	736.8	736.3	735.8	735.3	734.1	732.3	730.5	728.7	726.8
140°	767.7	767.7	766.7	765.7	764.7	763.7	762.2	760.5	758.7	756.9	755.0
142.5°	795.3	795.1	794.5	793.8	793.1	792.5	791.2	789.3	787.6	785.8	784.0
145°	837.4	837.2	836.1	834.8	833.7	832.4	831.2	829.7	828.3	826.9	825.5
147.5°	874.1	873.7	872.9	872.1	871.3	870.5	869.2	867.5	865.9	864.2	862.6
150°	897.4	896.9	896.1	895.3	894.5	893.7	892.6	891.4	890.2	889.0	887.8
152.5°	920.7	920.0	919.0	918.0	917.1	916.1	915.1	913.8	912.7	911.4	910.3
155°	950.2	949.2	948.6	948.1	947.4	946.8	946.2	945.7	945.0	944.4	943.8
157.5°	977.3	976.0	975.6	975.3	974.9	974.6	974.1	973.7	973.3	972.9	972.5
160°	993.8	992.6	992.4	992.2	992.0	991.8	991.5	991.0	990.7	990.2	989.9
162.5°	1008.4	1007.0	1006.8	1006.7	1006.5	1006.2	1006.1	1006.0	1005.9	1005.8	1005.8
165°	1027.4	1026.0	1026.0	1026.0	1026.0	1026.0	1026.1	1026.3	1026.5	1026.7	1026.9
167.5°	1043.1	1041.7	1041.8	1041.8	1041.9	1041.9	1042.2	1042.8	1043.4	1044.0	1044.6
170°	1051.8	1050.4	1050.6	1050.8	1051.0	1051.2	1051.6	1052.2	1052.8	1053.4	1054.0
172.5°	1058.3	1056.9	1057.1	1057.3	1057.5	1057.7	1058.1	1058.7	1059.3	1059.9	1060.5
175°	1065.3	1063.9	1064.3	1064.7	1065.1	1065.5	1066.0	1066.7	1067.3	1067.8	1068.4
177.5°	1069.1	1068.1	1068.4	1068.7	1069.1	1069.3	1069.8	1070.2	1070.8	1071.2	1071.7
180°	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2



TEST NUMBER: P331794-940

CATALOG NUMBER: S122RDIW-S485D970U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	963.9	964.7	970.1	972.5	977.3	979.2	981.2	980.7	980.7	981.8	989.3
5°	966.0	972.7	982.7	992.3	1001.7	1009.7	1014.9	1020.3	1022.3	1032.0	1040.6
7.5°	962.6	974.8	991.3	1006.0	1023.7	1037.5	1048.9	1059.3	1066.3	1080.4	1094.8
10°	958.1	975.4	994.0	1013.0	1037.3	1055.6	1074.2	1088.6	1093.2	1114.2	1126.2
12.5°	949.0	972.1	995.9	1020.5	1044.2	1069.4	1089.9	1104.3	1120.7	1139.5	1161.6
15°	935.4	962.1	993.0	1024.7	1058.6	1089.2	1111.3	1136.2	1154.1	1174.8	1194.1
17.5°	915.9	950.2	989.5	1026.2	1065.4	1098.3	1128.6	1152.5	1165.2	1177.0	1179.9
20°	900.4	937.4	983.6	1027.0	1066.2	1104.2	1134.2	1154.1	1157.5	1157.8	1140.1
22.5°	883.7	925.4	973.8	1018.2	1065.1	1107.4	1130.7	1139.2	1126.1	1103.5	1069.3
25°	852.8	901.1	957.3	1008.0	1059.3	1099.2	1107.2	1092.3	1046.0	997.3	935.8
27.5°	819.4	873.6	934.0	990.2	1044.9	1069.7	1052.4	998.4	915.0	842.6	754.7
30°	794.9	855.8	915.1	978.0	1028.6	1039.3	999.7	920.1	822.9	713.6	626.1
32.5°	766.9	830.7	895.9	961.0	1003.4	992.9	927.5	829.5	715.5	608.1	525.3
35°	726.9	792.9	863.1	928.4	955.4	910.4	812.5	685.0	568.5	468.2	411.3
37.5°	680.8	752.6	825.6	885.6	883.7	808.7	675.4	543.7	445.8	386.5	345.9
40°	648.0	720.6	799.5	850.2	828.5	730.9	586.4	462.2	390.6	343.3	313.7
42.5°	616.6	689.5	767.9	808.1	770.4	650.5	506.5	409.2	350.1	313.3	289.2
45°	563.1	640.0	712.7	734.9	667.6	535.5	409.6	339.0	299.7	272.4	255.7
47.5°	510.9	586.5	652.7	653.2	562.1	434.3	345.5	293.4	259.8	238.7	226.6
50°	478.8	550.8	606.4	597.7	494.5	386.3	309.0	264.0	236.1	219.8	207.1
52.5°	442.9	512.6	560.8	536.2	437.2	339.9	276.3	238.5	215.3	201.2	189.8
55°	390.6	452.5	486.5	449.2	356.7	282.7	233.4	203.8	186.5	174.5	164.9
57.5°	339.3	390.3	411.7	368.3	293.7	234.4	197.4	175.2	158.0	149.5	144.5
60°	307.0	350.6	365.6	317.7	255.4	205.1	174.9	154.2	141.5	135.9	130.9
62.5°	275.4	310.9	317.2	273.2	222.7	179.6	153.6	136.1	127.7	122.3	117.5
65°	228.5	254.0	251.1	215.8	176.1	142.5	123.5	112.9	106.6	98.9	90.6
67.5°	188.1	203.8	194.3	167.8	134.5	110.8	98.4	90.3	82.5	75.2	73.3
70°	162.5	171.5	161.5	137.2	110.2	92.9	82.9	73.3	68.6	67.0	63.9
72.5°	138.0	141.2	130.4	109.5	89.7	77.0	67.2	61.8	59.3	57.9	55.9
75°	103.5	101.2	91.9	75.6	62.2	53.6	50.6	48.6	47.0	45.7	44.6
77.5°	72.8	69.3	61.0	50.4	43.3	39.2	37.5	36.4	35.6	34.9	33.9
80°	54.6	52.3	44.0	35.9	33.0	30.9	30.0	28.6	28.6	28.0	26.9
82.5°	39.9	37.4	30.1	26.4	24.7	23.5	22.7	21.9	21.7	21.8	21.1
85°	21.0	16.9	15.0	14.4	13.3	12.7	13.0	12.3	12.3	12.3	11.9
87.5°	7.0	6.2	6.4	6.6	7.6	8.5	9.1	10.0	11.1	10.8	11.0
90°	3.3	5.7	8.1	10.5	13.9	18.4	22.7	27.2	31.6	31.2	30.8
92.5°	17.8	19.6	21.4	23.2	24.5	25.6	26.7	27.6	28.7	28.8	28.9
95°	49.0	51.0	53.0	55.0	56.2	56.6	57.0	57.4	57.8	57.8	57.8
97.5°	87.6	89.3	91.1	92.8	94.2	94.9	95.7	96.4	97.2	97.2	97.2
100°	116.3	117.9	119.5	121.1	122.3	122.8	123.4	124.0	124.7	124.7	124.7
102.5°	146.3	147.6	148.9	150.2	151.2	151.9	152.8	153.5	154.3	154.4	154.6
105°	194.7	195.4	196.0	196.6	197.1	197.5	197.9	198.3	198.7	199.1	199.5
107.5°	244.6	245.4	246.3	247.2	247.6	247.6	247.6	247.6	247.6	247.8	248.0
110°	276.7	277.9	279.1	280.3	280.9	280.9	280.9	280.9	280.9	280.9	280.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	311.4	312.5	313.8	315.0	315.5	315.3	315.1	315.0	314.9	314.3	313.9
115°	362.5	363.6	364.9	366.0	366.5	366.0	365.7	365.2	364.9	364.7	364.4
117.5°	413.8	415.4	417.1	418.7	418.8	417.8	416.6	415.5	414.4	413.9	413.4
120°	447.8	449.4	451.0	452.6	452.6	451.0	449.4	447.8	446.2	446.2	446.2
122.5°	479.2	481.1	483.0	484.9	485.4	484.2	483.1	482.0	480.8	480.4	479.9
125°	527.4	529.2	531.1	532.9	533.5	532.9	532.3	531.6	531.1	530.5	529.9
127.5°	575.1	577.4	579.7	581.9	582.7	582.0	581.3	580.6	579.9	579.1	578.4
130°	605.0	607.6	610.3	612.9	613.9	613.6	613.1	612.8	612.3	612.0	611.5
132.5°	637.8	639.9	642.0	644.2	645.2	645.3	645.4	645.5	645.6	644.7	643.8
135°	682.3	684.5	686.7	688.9	690.2	690.6	691.0	691.4	691.8	691.6	691.4
137.5°	728.7	730.5	732.3	734.1	735.3	735.8	736.3	736.8	737.4	737.2	737.0
140°	756.9	758.7	760.5	762.2	763.7	764.7	765.7	766.7	767.7	767.7	767.7
142.5°	785.8	787.6	789.3	791.2	792.5	793.1	793.8	794.5	795.1	795.3	795.5
145°	826.9	828.3	829.7	831.2	832.4	833.7	834.8	836.1	837.2	837.4	837.7
147.5°	864.2	865.9	867.5	869.2	870.5	871.3	872.1	872.9	873.7	874.1	874.6
150°	889.0	890.2	891.4	892.6	893.7	894.5	895.3	896.1	896.9	897.4	898.0
152.5°	911.4	912.7	913.8	915.1	916.1	917.1	918.0	919.0	920.0	920.7	921.5
155°	944.4	945.0	945.7	946.2	946.8	947.4	948.1	948.6	949.2	950.2	951.3
157.5°	972.9	973.3	973.7	974.1	974.6	974.9	975.3	975.6	976.0	977.3	978.7
160°	990.2	990.7	991.0	991.5	991.8	992.0	992.2	992.4	992.6	993.8	995.0
162.5°	1005.8	1005.9	1006.0	1006.1	1006.2	1006.5	1006.7	1006.8	1007.0	1008.4	1009.8
165°	1026.7	1026.5	1026.3	1026.1	1026.0	1026.0	1026.0	1026.0	1026.0	1027.4	1028.9
167.5°	1044.0	1043.4	1042.8	1042.2	1041.9	1041.9	1041.8	1041.8	1041.7	1043.1	1044.6
170°	1053.4	1052.8	1052.2	1051.6	1051.2	1051.0	1050.8	1050.6	1050.4	1051.8	1053.2
172.5°	1059.9	1059.3	1058.7	1058.1	1057.7	1057.5	1057.3	1057.1	1056.9	1058.3	1059.7
175°	1067.8	1067.3	1066.7	1066.0	1065.5	1065.1	1064.7	1064.3	1063.9	1065.3	1066.8
177.5°	1071.2	1070.8	1070.2	1069.8	1069.3	1069.1	1068.7	1068.4	1068.1	1069.1	1070.1
180°	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	958.4	958.4	958.4	958.4	958.4	958.4	958.4
2.5°	991.9	995.4	997.0	997.0	998.9	998.1	997.3
5°	1048.9	1055.3	1056.6	1062.6	1066.9	1065.6	1066.2
7.5°	1105.6	1115.8	1125.9	1130.4	1131.2	1133.9	1134.9
10°	1140.5	1148.9	1164.5	1162.2	1173.8	1180.4	1169.5
12.5°	1174.1	1185.4	1196.2	1199.2	1205.8	1207.9	1203.5
15°	1204.4	1210.4	1211.1	1209.4	1211.5	1209.8	1203.5
17.5°	1176.1	1166.4	1146.7	1137.3	1129.9	1119.0	1114.6
20°	1129.2	1100.5	1067.3	1053.9	1038.3	1007.6	1014.9
22.5°	1028.0	995.3	962.1	923.1	904.6	875.5	873.8
25°	870.5	814.2	752.2	708.9	683.7	654.7	642.0
27.5°	676.8	605.9	555.2	529.5	506.0	483.1	482.1
30°	549.5	496.1	456.9	434.9	420.6	410.9	413.0
32.5°	463.2	426.6	400.1	381.9	371.3	364.0	363.9
35°	378.6	353.7	336.6	329.0	321.4	316.0	316.4
37.5°	324.0	309.0	299.5	291.1	286.3	283.7	282.2
40°	296.0	283.7	276.4	271.4	267.4	263.8	263.1
42.5°	273.9	263.8	256.4	252.4	248.8	246.1	245.5
45°	243.1	234.8	228.1	223.7	222.1	219.8	219.8
47.5°	216.2	208.0	202.9	200.1	197.2	195.7	195.6
50°	198.1	191.8	187.2	185.5	183.2	182.2	181.8
52.5°	181.9	177.2	173.8	172.7	171.7	170.4	170.6
55°	159.8	157.2	155.9	154.8	153.2	151.1	152.5
57.5°	141.2	139.0	135.4	132.2	130.7	129.3	129.8
60°	128.2	123.5	118.9	115.2	114.2	111.2	111.2
62.5°	111.7	105.1	99.4	97.4	96.4	95.0	94.7
65°	85.9	83.3	81.9	80.6	79.9	79.9	79.3
67.5°	71.2	70.1	68.7	68.3	67.7	67.5	67.2
70°	63.0	61.6	60.9	60.6	59.9	60.3	59.3
72.5°	54.9	53.9	53.8	52.9	52.5	52.5	51.8
75°	43.2	43.2	43.0	42.6	42.0	41.6	42.0
77.5°	33.3	33.3	32.7	32.7	32.6	32.7	32.4
80°	26.7	26.9	26.7	26.3	25.9	26.3	25.9
82.5°	21.0	20.6	20.5	20.4	20.4	20.2	20.2
85°	11.9	12.3	11.9	11.7	11.7	11.7	11.9
87.5°	10.6	10.5	10.5	10.5	10.6	10.6	10.4
90°	30.4	30.0	29.9	30.1	30.3	30.5	30.7
92.5°	29.0	29.1	29.1	29.2	29.2	29.2	29.2
95°	57.8	57.8	57.6	57.2	56.8	56.4	56.0
97.5°	97.2	97.2	97.2	97.1	97.1	97.0	97.0
100°	124.7	124.7	124.6	124.3	124.1	123.9	123.8
102.5°	154.7	154.9	154.9	154.7	154.4	154.3	154.1
105°	199.9	200.3	200.5	200.5	200.5	200.5	200.5
107.5°	248.2	248.3	247.9	247.0	246.0	245.1	244.2
110°	280.9	280.9	280.6	280.0	279.4	278.7	278.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	313.4	312.9	312.5	312.0	311.6	311.1	310.7
115°	364.3	364.1	363.6	363.1	362.5	361.9	361.2
117.5°	413.0	412.4	411.9	411.3	410.7	410.1	409.5
120°	446.2	446.2	445.9	445.2	444.7	444.1	443.4
122.5°	479.4	478.9	478.5	478.0	477.6	477.2	476.7
125°	529.2	528.7	528.2	528.1	527.9	527.6	527.4
127.5°	577.7	576.9	576.2	575.6	575.0	574.4	573.7
130°	611.2	610.7	610.1	609.3	608.5	607.7	606.9
132.5°	642.9	642.0	641.3	640.7	640.0	639.4	638.7
135°	691.3	691.0	690.6	690.0	689.4	688.8	688.2
137.5°	736.9	736.7	736.2	735.4	734.6	733.8	733.0
140°	767.7	767.7	767.3	766.5	765.7	764.9	764.1
142.5°	795.7	795.8	795.5	794.7	793.9	793.1	792.3
145°	837.9	838.0	837.8	837.0	836.2	835.4	834.6
147.5°	875.0	875.5	875.3	874.6	873.8	873.1	872.3
150°	898.7	899.3	899.3	898.7	898.0	897.4	896.9
152.5°	922.3	923.0	923.0	922.3	921.5	920.7	920.0
155°	952.3	953.2	953.4	952.9	952.3	951.6	951.0
157.5°	980.1	981.4	981.6	980.7	979.7	978.7	977.8
160°	996.2	997.4	997.6	996.8	996.0	995.2	994.4
162.5°	1011.1	1012.5	1012.7	1011.7	1010.8	1009.8	1008.9
165°	1030.2	1031.6	1031.8	1030.8	1029.8	1028.9	1027.8
167.5°	1046.0	1047.3	1047.5	1046.5	1045.4	1044.4	1043.4
170°	1054.6	1056.1	1056.1	1054.9	1053.7	1052.5	1051.3
172.5°	1061.1	1062.5	1062.7	1061.4	1060.2	1059.0	1057.8
175°	1068.2	1069.5	1069.7	1068.4	1067.3	1066.0	1064.9
177.5°	1070.9	1071.9	1071.9	1070.9	1070.1	1069.1	1068.1
180°	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2	1070.2

(END OF REPORT)