

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: P331314-840

Luminaire Tested: **S122DIP-S485D925U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331314-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIP-S485D925U840-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 925 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5816.7 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

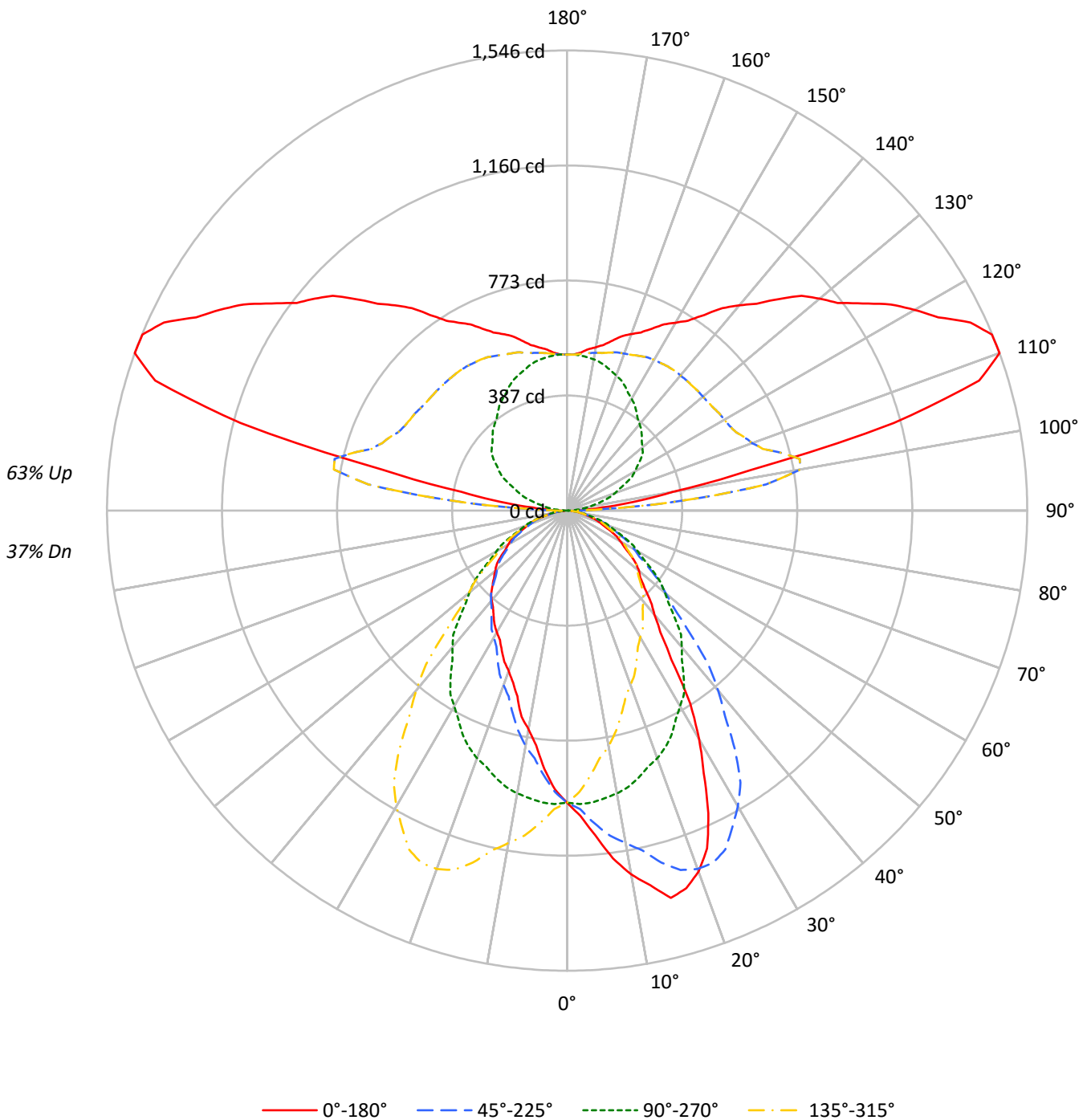
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	44	44	44	37				
1	95	91	87	84	86	83	80	77	67	65	63	53	52	50	40	39	38	32				
2	87	80	74	69	79	73	68	64	59	56	53	47	45	43	35	34	33	27				
3	80	71	64	58	72	64	58	54	53	48	45	42	39	36	32	30	28	24				
4	73	63	55	49	66	57	51	46	47	42	38	37	34	31	29	26	25	21				
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	24	22	18				
6	62	50	42	37	56	46	39	34	38	33	29	31	27	24	24	21	19	16				
7	57	45	38	32	52	42	35	30	35	29	26	28	24	21	22	19	17	14				
8	53	41	34	29	48	38	31	27	32	27	23	26	22	19	20	17	16	13				
9	49	38	30	26	45	35	28	24	29	24	21	24	20	17	18	16	14	12				
10	46	34	28	23	42	32	26	21	27	22	19	22	18	16	17	15	13	11				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15844	15844	15844	15844
5°	17763	15948	14131	15948
10°	20354	15816	12231	15816
15°	22519	15527	10805	15527
20°	22175	15216	9850	15216
25°	19996	14801	9246	14801
30°	16524	14139	8804	14139
35°	12043	13448	8489	13448
40°	9619	12631	8315	12631
45°	8405	11686	8079	11686
50°	7902	10771	7920	10771
55°	7282	9841	7707	9841
60°	6675	8854	7379	8854
65°	6082	7966	7060	7966
70°	5519	7105	6590	7105
75°	4897	6145	5833	6145
80°	4203	5086	4695	5086
85°	3779	3779	2779	3779



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.5	1.6
10°-20°	271.7	4.7
20°-30°	394.3	6.8
30°-40°	416.1	7.2
40°-50°	368.4	6.3
50°-60°	294.0	5.1
60°-70°	199.8	3.4
70°-80°	102.5	1.8
80°-90°	29.4	0.5
90°-100°	209.6	3.6
100°-110°	711.1	12.2
110°-120°	755.5	13.0
120°-130°	621.9	10.7
130°-140°	499.4	8.6
140°-150°	377.4	6.5
150°-160°	265.2	4.6
160°-170°	156.1	2.7
170°-180°	50.8	0.9
0°-30°	759.5	13.1
0°-40°	1175.6	20.2
0°-60°	1838.0	31.6
0°-90°	2169.7	37.3
90°-120°	1676.1	28.8
90°-150°	3174.8	54.6
90°-180°	3647.0	62.7
0°-180°	5816.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	981	981	981	981	981	
5°	1096	984	872	984	1096	109
15°	1347	929	646	929	1347	372
25°	1122	831	519	831	1122	507
35°	611	682	431	682	611	397
45°	368	512	354	512	368	289
55°	259	350	274	350	259	232
65°	159	208	185	208	159	158
75°	78	98	94	98	78	84
85°	20	20	15	20	20	23
90°	33	1	33	1	33	19
95°	115	35	115	35	115	149
105°	1136	123	1136	123	1136	1099
115°	1495	217	1495	217	1495	1464
125°	1212	302	1212	302	1212	1096
135°	1005	355	1005	355	1005	781
145°	802	405	802	405	802	510
155°	674	461	674	461	674	315
165°	592	502	592	502	592	169
175°	533	523	533	523	533	52
180°	524	524	524	524	524	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3
2.5°	1026.6	1026.9	1027.4	1022.7	1022.1	1022.1	1017.8	1014.2	1010.0	1004.2	1004.8
5°	1096.0	1100.1	1101.7	1097.1	1090.4	1089.5	1083.2	1072.6	1062.8	1054.9	1049.2
7.5°	1178.8	1180.4	1176.8	1170.8	1165.8	1156.7	1144.8	1133.1	1116.7	1101.7	1090.6
10°	1241.5	1243.9	1237.4	1228.7	1221.5	1211.0	1193.7	1175.9	1154.5	1133.7	1117.1
12.5°	1289.2	1294.8	1286.6	1285.5	1273.1	1258.7	1238.0	1229.0	1198.8	1169.9	1152.1
15°	1347.2	1346.8	1347.6	1340.4	1331.3	1329.1	1307.2	1283.4	1240.8	1223.9	1194.4
17.5°	1330.4	1336.2	1338.8	1338.7	1338.5	1337.1	1330.0	1315.0	1293.6	1266.2	1232.2
20°	1290.6	1298.1	1299.3	1308.0	1312.8	1319.3	1321.9	1317.8	1304.5	1281.5	1252.1
22.5°	1229.0	1231.1	1234.7	1248.2	1258.8	1274.9	1283.2	1297.2	1292.1	1280.9	1256.4
25°	1122.4	1118.6	1131.8	1138.6	1163.1	1188.7	1207.2	1227.6	1245.7	1256.7	1249.5
27.5°	994.3	988.7	1008.5	1026.4	1046.3	1074.1	1102.9	1136.9	1165.2	1200.6	1212.7
30°	886.3	889.7	908.6	927.8	958.0	997.1	1029.6	1066.9	1107.3	1146.9	1174.4
32.5°	769.8	782.8	794.8	824.3	850.8	894.5	942.1	988.8	1039.2	1084.1	1126.7
35°	611.0	626.0	642.7	664.2	701.5	744.9	791.2	854.2	922.9	984.3	1034.9
37.5°	514.2	511.9	521.4	536.9	567.1	602.2	655.5	717.8	798.6	870.8	942.1
40°	456.4	454.8	461.6	475.9	499.0	524.6	571.4	626.0	701.1	789.3	874.2
42.5°	416.5	417.4	421.2	431.3	447.1	468.2	503.2	549.8	618.4	701.6	792.7
45°	368.1	370.7	374.9	379.8	388.8	406.2	425.8	459.0	513.3	582.7	672.5
47.5°	333.3	333.4	337.5	341.8	347.2	357.0	373.0	393.8	432.1	488.7	565.8
50°	314.6	311.8	314.9	318.3	324.0	330.7	341.3	360.9	386.6	432.2	496.7
52.5°	291.6	291.6	294.4	295.7	300.7	307.5	317.2	330.7	354.0	389.7	442.7
55°	258.7	260.6	262.2	264.4	268.9	273.8	281.3	290.4	308.5	335.3	374.5
57.5°	227.8	228.4	229.9	234.2	237.1	241.6	248.7	257.0	268.7	288.6	318.1
60°	206.7	206.7	209.6	211.6	215.3	219.8	225.5	233.5	244.0	260.2	284.0
62.5°	187.3	187.0	188.2	191.4	194.2	198.4	204.1	210.9	220.8	235.2	254.7
65°	159.2	158.4	160.7	161.4	164.4	168.5	173.1	180.3	188.2	198.7	216.1
67.5°	132.0	132.9	134.1	135.5	137.2	141.6	144.6	149.7	156.3	165.1	176.9
70°	116.9	116.9	116.9	118.1	120.3	122.6	125.6	129.8	136.1	143.7	154.2
72.5°	100.0	101.2	102.4	101.8	104.6	105.9	109.6	111.9	118.1	122.9	132.2
75°	78.5	78.5	78.5	80.3	81.5	82.6	84.8	87.2	90.2	96.1	101.1
77.5°	58.6	58.4	58.8	59.2	60.4	61.8	62.4	64.5	67.3	70.1	74.2
80°	45.2	46.0	46.4	47.2	47.2	47.9	48.3	50.9	52.8	54.7	57.4
82.5°	35.0	35.1	35.2	35.3	35.6	36.2	37.1	38.0	38.6	40.2	42.2
85°	20.4	20.0	20.0	20.7	20.4	20.4	21.1	21.9	21.9	22.2	23.4
87.5°	14.5	14.5	14.8	14.5	14.5	14.6	14.2	14.3	14.8	15.3	15.5
90°	33.2	33.2	33.2	33.2	33.2	32.2	30.2	32.2	33.2	34.2	33.2
92.5°	55.8	57.5	56.7	59.9	60.7	67.0	75.4	87.9	110.7	131.0	129.2
95°	114.9	113.9	116.9	125.0	138.0	160.3	202.6	264.1	345.7	395.1	349.7
97.5°	226.2	234.6	249.3	274.2	322.3	395.1	504.1	616.2	707.5	674.5	508.0
100°	360.8	379.0	408.2	451.5	535.2	657.1	795.2	920.2	941.4	796.2	548.3
102.5°	635.0	659.5	696.0	770.0	860.9	990.2	1091.2	1119.3	1028.4	800.2	533.0
105°	1135.9	1149.9	1193.4	1255.8	1318.3	1351.6	1338.5	1224.6	1014.9	746.8	502.9
107.5°	1451.0	1469.7	1478.3	1481.8	1473.9	1425.1	1320.3	1148.8	926.5	689.6	488.0
110°	1546.1	1547.1	1538.0	1518.8	1475.5	1392.9	1263.8	1083.5	870.8	662.2	484.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1544.5	1539.0	1521.9	1489.9	1429.6	1334.8	1197.0	1023.8	832.1	644.4	485.5
115°	1494.7	1485.6	1459.4	1413.0	1341.5	1237.7	1105.6	950.4	784.2	624.9	489.8
117.5°	1405.7	1398.2	1370.5	1321.5	1248.6	1151.1	1031.5	895.1	753.9	615.4	497.1
120°	1348.6	1338.5	1309.2	1261.8	1191.3	1099.5	992.8	867.8	737.8	609.8	501.9
122.5°	1288.9	1280.4	1254.4	1207.8	1144.6	1061.7	960.5	846.0	724.1	606.5	507.6
125°	1212.4	1204.4	1179.2	1140.9	1082.5	1006.8	918.2	814.4	704.5	600.7	516.0
127.5°	1145.6	1139.1	1117.3	1081.5	1030.5	960.7	877.1	783.2	686.4	597.2	524.7
130°	1107.6	1099.5	1079.4	1045.2	995.8	929.3	849.6	763.0	674.3	595.6	531.2
132.5°	1068.1	1060.9	1042.4	1008.0	959.5	897.0	823.8	743.6	664.6	594.8	537.6
135°	1004.8	1000.8	982.7	949.4	906.1	849.6	783.2	716.6	651.1	593.6	545.2
137.5°	942.8	936.8	920.8	892.2	852.6	803.4	750.6	695.0	641.6	593.4	552.1
140°	900.0	894.0	878.9	852.6	820.4	776.1	729.7	681.4	636.0	592.6	555.3
142.5°	857.3	856.1	842.6	818.8	788.2	751.0	711.1	670.0	630.4	592.6	557.7
145°	802.2	799.2	789.2	772.0	747.8	718.6	687.4	654.1	622.9	590.6	560.4
147.5°	756.1	754.3	747.4	733.8	713.8	692.4	668.0	641.8	615.2	587.0	561.2
150°	728.7	727.7	721.6	709.5	694.4	676.3	655.1	633.0	608.7	584.6	560.4
152.5°	705.3	705.1	700.6	690.1	678.3	662.6	644.6	624.1	603.1	580.6	558.8
155°	674.3	676.3	672.3	665.2	654.1	643.0	627.9	611.8	592.6	573.5	556.3
157.5°	647.8	647.8	646.0	640.2	632.4	623.7	611.0	597.4	582.8	566.2	551.7
160°	631.0	631.0	630.0	624.9	617.8	610.8	599.7	588.5	575.5	561.4	549.3
162.5°	614.8	615.6	614.6	611.2	604.1	598.6	589.2	579.8	569.1	557.3	546.8
165°	591.6	592.6	592.6	588.5	584.6	580.6	573.5	566.4	558.4	549.3	542.2
167.5°	570.3	571.5	571.7	569.5	567.6	564.0	559.2	553.7	547.9	542.2	537.6
170°	557.3	559.4	560.4	557.3	556.3	554.3	550.3	547.2	542.2	538.2	535.2
172.5°	546.8	548.1	549.1	547.6	546.6	545.4	542.2	540.0	536.6	533.4	532.0
175°	533.2	535.2	536.2	535.2	535.2	534.2	533.2	532.2	529.2	528.2	527.1
177.5°	524.9	526.5	527.4	527.4	527.4	527.4	526.5	526.5	524.9	524.1	524.9
180°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3
2.5°	1006.9	1004.5	1003.0	997.6	992.8	988.0	986.4	987.0	980.4	974.1	971.4
5°	1046.2	1038.6	1031.5	1021.3	1009.3	996.0	989.3	984.0	970.8	956.4	948.2
7.5°	1081.4	1070.6	1056.7	1037.6	1020.1	999.3	986.0	974.4	955.0	934.8	922.5
10°	1102.8	1088.0	1070.4	1046.9	1025.4	1000.2	982.5	964.7	942.1	918.0	902.9
12.5°	1121.2	1101.4	1083.9	1053.9	1028.4	996.8	975.8	950.9	927.1	898.4	883.5
15°	1165.0	1128.4	1095.2	1061.3	1030.0	985.8	962.5	928.9	897.6	862.1	845.2
17.5°	1198.8	1157.7	1105.5	1062.4	1025.8	976.9	942.6	902.4	865.4	824.9	801.8
20°	1218.2	1171.0	1114.8	1063.6	1019.8	964.0	926.7	885.6	842.1	796.5	771.6
22.5°	1229.6	1180.1	1124.5	1059.0	1007.7	953.4	906.5	861.4	817.4	768.2	742.0
25°	1233.2	1188.0	1129.1	1055.2	992.6	931.2	874.5	830.8	777.7	731.6	693.6
27.5°	1215.3	1182.9	1126.3	1048.1	975.2	903.3	840.3	790.7	734.6	684.7	646.3
30°	1193.3	1174.4	1119.3	1040.9	961.3	884.0	814.7	758.4	702.7	652.1	612.9
32.5°	1159.2	1155.1	1106.7	1030.7	946.5	859.6	787.8	730.9	669.1	619.5	582.1
35°	1092.2	1110.3	1079.7	1007.7	918.7	824.9	747.1	682.3	618.1	570.6	535.5
37.5°	1002.5	1047.4	1039.5	974.1	881.1	787.0	701.1	633.4	572.3	524.3	489.9
40°	940.6	997.9	1006.2	948.5	854.6	757.7	666.8	599.3	539.7	495.9	461.2
42.5°	874.2	941.2	964.0	917.8	825.7	726.9	636.0	566.1	507.2	464.5	433.8
45°	763.0	851.6	892.7	866.3	777.3	676.2	582.7	511.8	458.3	418.3	394.5
47.5°	658.9	755.8	811.1	801.7	723.5	623.4	531.0	462.9	410.8	378.9	357.6
50°	585.3	684.9	751.6	754.7	684.9	585.7	492.9	428.8	380.9	351.1	333.8
52.5°	521.4	616.4	689.2	705.2	641.8	546.4	458.8	395.1	352.8	325.5	309.9
55°	437.9	518.2	599.0	628.3	577.4	486.9	405.8	349.6	310.0	291.1	277.6
57.5°	364.1	431.0	505.5	538.1	506.6	429.2	353.1	304.4	272.3	255.7	245.3
60°	325.1	377.9	444.2	483.1	456.0	387.0	320.5	274.2	247.8	233.1	223.3
62.5°	288.9	335.7	391.7	427.3	412.5	347.4	288.0	247.0	224.3	210.5	203.4
65°	238.3	275.3	318.7	351.5	341.7	292.3	243.7	208.5	190.5	179.6	173.9
67.5°	196.2	223.0	253.1	281.8	273.9	238.8	199.9	172.5	159.0	149.6	146.2
70°	169.8	190.1	216.8	239.8	233.5	204.8	173.9	150.5	138.8	130.9	127.4
72.5°	144.4	161.1	181.6	200.4	196.0	172.2	146.4	128.8	119.8	112.5	109.7
75°	109.0	121.8	134.3	146.7	145.6	127.1	112.0	98.5	91.3	85.6	84.5
77.5°	80.5	87.7	96.1	103.5	101.5	90.9	79.1	71.3	66.0	62.2	61.6
80°	61.5	65.6	71.7	77.0	74.3	69.8	60.4	54.7	50.9	47.2	45.6
82.5°	44.5	48.8	52.3	55.2	53.2	49.0	43.1	39.3	37.1	34.4	33.8
85°	23.4	25.7	27.2	27.9	27.2	24.5	21.9	20.4	18.5	17.4	17.0
87.5°	14.5	13.1	12.1	12.1	10.8	10.4	8.4	6.9	7.2	7.7	7.5
90°	27.2	20.2	15.1	12.1	10.1	8.1	4.0	1.0	4.0	8.1	10.1
92.5°	100.6	68.6	45.7	36.3	29.4	25.0	17.8	12.3	17.8	25.0	29.4
95°	232.8	145.1	98.8	74.6	58.5	49.4	39.3	35.2	39.3	49.4	58.5
97.5°	313.7	191.5	133.2	105.8	87.3	73.6	62.9	57.5	62.9	73.6	87.3
100°	330.6	207.6	154.2	126.0	105.8	89.7	80.6	77.6	80.6	89.7	105.8
102.5°	331.4	222.2	172.8	144.5	123.6	107.4	98.4	96.1	98.4	107.4	123.6
105°	336.6	246.9	199.5	171.4	149.2	134.0	127.0	123.0	127.0	134.0	149.2
107.5°	350.5	272.4	226.4	197.9	176.0	162.1	155.2	152.0	155.2	162.1	176.0
110°	361.8	289.2	244.9	215.7	194.5	181.4	175.4	171.4	175.4	181.4	194.5



TEST NUMBER: P331314-840

CATALOG NUMBER: S122DIP-S485D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	374.0	305.4	262.7	232.6	212.3	200.0	193.1	189.0	193.1	200.0	212.3
115°	392.0	330.6	287.2	260.0	239.8	227.8	221.8	216.7	221.8	227.8	239.8
117.5°	411.4	353.8	313.7	285.4	266.1	255.4	249.3	245.3	249.3	255.4	266.1
120°	424.3	369.9	330.6	302.4	282.2	273.2	267.1	263.1	267.1	273.2	282.2
122.5°	435.6	385.2	348.3	319.3	299.1	289.2	283.2	280.0	283.2	289.2	299.1
125°	453.5	408.2	371.9	343.7	323.6	311.4	305.4	302.4	305.4	311.4	323.6
127.5°	470.3	429.6	394.3	365.3	345.9	332.5	324.2	320.1	324.2	332.5	345.9
130°	480.8	442.4	407.2	379.0	358.8	344.7	334.6	330.6	334.6	344.7	358.8
132.5°	491.2	453.7	420.1	391.8	370.9	356.0	345.1	340.2	345.1	356.0	370.9
135°	504.9	469.7	437.4	409.2	386.0	370.9	358.8	354.8	358.8	370.9	386.0
137.5°	515.4	482.6	450.7	424.5	401.5	385.4	373.3	368.5	373.3	385.4	401.5
140°	521.1	489.8	459.6	433.4	411.2	395.1	383.0	379.0	383.0	395.1	411.2
142.5°	525.9	495.4	466.1	441.4	420.1	403.9	392.6	389.4	392.6	403.9	420.1
145°	532.2	503.9	476.8	454.5	434.4	419.3	409.2	405.2	409.2	419.3	434.4
147.5°	535.6	510.8	485.2	465.4	448.7	434.7	425.2	422.1	425.2	434.7	448.7
150°	537.1	514.0	490.8	472.7	457.6	444.4	436.4	433.4	436.4	444.4	457.6
152.5°	538.0	517.3	496.4	480.0	465.6	454.1	446.1	444.6	446.1	454.1	465.6
155°	539.2	522.1	504.9	489.8	478.8	467.7	461.6	460.6	461.6	467.7	478.8
157.5°	539.2	525.5	511.0	498.3	489.4	479.8	474.9	473.9	474.9	479.8	489.4
160°	539.2	527.1	515.0	503.9	495.8	487.8	483.8	482.8	483.8	487.8	495.8
162.5°	538.4	528.0	517.5	508.8	501.5	495.0	491.0	491.6	491.0	495.0	501.5
165°	536.2	529.2	520.1	514.0	509.0	502.9	500.9	501.9	500.9	502.9	509.0
167.5°	534.8	529.0	522.3	518.5	514.8	511.0	509.2	510.4	509.2	511.0	514.8
170°	533.2	528.2	523.1	520.1	518.1	515.0	514.0	516.0	514.0	515.0	518.1
172.5°	530.8	527.4	523.9	521.7	520.5	517.5	518.1	519.3	518.1	517.5	520.5
175°	528.2	526.1	524.1	523.1	523.1	521.1	522.1	523.1	522.1	521.1	523.1
177.5°	526.5	524.9	524.1	524.1	524.1	522.5	523.3	524.9	523.3	522.5	524.1
180°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1



TEST NUMBER: P331314-840

CATALOG NUMBER: S122DIP-S485D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3
2.5°	968.4	966.5	960.2	956.8	951.5	946.3	943.0	944.5	945.7	945.1	944.2
5°	940.6	933.4	922.5	913.0	906.3	893.8	888.6	886.0	883.6	881.0	878.4
7.5°	907.6	896.3	880.6	867.2	854.4	839.0	830.2	824.9	819.4	813.4	808.2
10°	884.0	868.2	851.6	832.7	817.7	803.7	791.2	782.9	775.4	768.2	763.0
12.5°	859.3	841.0	820.5	794.8	778.1	758.1	756.3	741.6	729.8	725.4	719.2
15°	819.9	794.3	768.2	737.7	724.5	706.4	695.1	683.8	673.6	666.4	664.5
17.5°	775.2	741.9	716.1	694.2	672.6	654.0	643.6	634.5	626.1	616.5	615.3
20°	741.0	712.5	684.2	664.9	642.7	623.8	611.0	601.9	594.7	589.1	584.2
22.5°	708.8	677.4	651.6	630.5	608.5	593.3	583.2	574.5	568.6	562.3	557.6
25°	657.0	632.5	604.2	580.5	562.3	552.5	544.2	536.6	532.9	528.8	523.5
27.5°	611.7	584.4	558.0	539.6	523.6	514.9	509.1	503.9	500.4	498.0	494.9
30°	579.7	552.1	531.4	513.3	500.1	491.4	487.7	484.6	480.5	479.0	477.5
32.5°	548.9	524.1	506.3	490.7	478.1	472.4	469.0	466.3	463.0	461.5	458.5
35°	505.3	484.6	467.3	458.6	448.4	443.5	440.9	437.1	434.1	432.6	432.2
37.5°	464.4	446.4	434.9	423.8	419.5	416.5	412.9	410.3	409.4	409.2	408.8
40°	437.9	423.1	412.9	403.9	402.0	397.5	394.5	392.2	392.2	392.6	392.2
42.5°	413.7	400.5	391.5	383.7	381.5	378.8	375.8	375.7	376.3	377.5	376.3
45°	377.2	367.7	361.3	357.5	353.4	350.7	350.3	351.5	351.8	352.2	353.4
47.5°	343.5	337.2	331.4	327.3	325.5	325.0	324.6	326.5	328.3	329.0	330.7
50°	323.6	316.4	311.5	308.9	307.4	306.6	307.4	309.6	311.1	313.1	314.2
52.5°	301.2	296.2	292.9	290.7	290.1	290.6	290.7	293.4	295.8	296.4	297.0
55°	270.4	266.6	265.9	262.5	264.0	263.6	265.5	267.0	269.2	271.6	272.0
57.5°	239.6	236.6	234.6	234.9	235.3	237.0	238.5	241.3	243.7	246.0	246.3
60°	219.1	217.6	216.5	216.5	217.2	219.5	221.4	224.0	225.5	227.0	228.1
62.5°	200.5	198.9	197.7	198.3	200.4	201.7	203.9	205.3	206.8	208.3	208.8
65°	170.9	170.1	171.3	172.0	172.4	174.2	176.9	178.0	179.6	180.3	182.9
67.5°	143.6	143.8	143.6	144.7	146.8	147.3	149.8	152.5	152.8	154.2	155.9
70°	125.2	125.9	126.7	127.4	129.4	130.1	132.0	133.1	134.6	135.7	136.9
72.5°	108.4	108.5	109.3	109.1	110.7	112.3	113.9	115.0	116.5	118.0	119.1
75°	83.3	83.3	84.1	84.5	86.3	88.3	87.9	88.7	90.2	91.7	92.4
77.5°	60.9	60.1	60.9	61.2	61.8	63.4	63.7	64.8	66.6	66.0	66.9
80°	46.4	45.2	46.4	46.8	46.8	48.7	48.7	49.4	50.5	49.4	50.5
82.5°	33.1	32.6	33.4	33.5	34.1	34.1	34.7	34.9	36.1	35.5	36.1
85°	16.6	16.3	16.6	16.3	16.6	17.0	17.0	16.6	16.6	17.4	16.3
87.5°	7.6	7.9	8.6	10.0	10.9	10.8	10.3	10.1	9.7	9.5	9.7
90°	12.1	15.1	20.2	27.2	33.2	34.2	33.2	32.2	30.2	32.2	33.2
92.5°	36.3	45.7	68.6	100.6	129.2	131.0	110.7	87.9	75.4	67.0	60.7
95°	74.6	98.8	145.1	232.8	349.7	395.1	345.7	264.1	202.6	160.3	138.0
97.5°	105.8	133.2	191.5	313.7	508.0	674.5	707.5	616.2	504.1	395.1	322.3
100°	126.0	154.2	207.6	330.6	548.3	796.2	941.4	920.2	795.2	657.1	535.2
102.5°	144.5	172.8	222.2	331.4	533.0	800.2	1028.4	1119.3	1091.2	990.2	860.9
105°	171.4	199.5	246.9	336.6	502.9	746.8	1014.9	1224.6	1338.5	1351.6	1318.3
107.5°	197.9	226.4	272.4	350.5	488.0	689.6	926.5	1148.8	1320.3	1425.1	1473.9
110°	215.7	244.9	289.2	361.8	484.8	662.2	870.8	1083.5	1263.8	1392.9	1475.5



TEST NUMBER: P331314-840

CATALOG NUMBER: S122DIP-S485D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	232.6	262.7	305.4	374.0	485.5	644.4	832.1	1023.8	1197.0	1334.8	1429.6
115°	260.0	287.2	330.6	392.0	489.8	624.9	784.2	950.4	1105.6	1237.7	1341.5
117.5°	285.4	313.7	353.8	411.4	497.1	615.4	753.9	895.1	1031.5	1151.1	1248.6
120°	302.4	330.6	369.9	424.3	501.9	609.8	737.8	867.8	992.8	1099.5	1191.3
122.5°	319.3	348.3	385.2	435.6	507.6	606.5	724.1	846.0	960.5	1061.7	1144.6
125°	343.7	371.9	408.2	453.5	516.0	600.7	704.5	814.4	918.2	1006.8	1082.5
127.5°	365.3	394.3	429.6	470.3	524.7	597.2	686.4	783.2	877.1	960.7	1030.5
130°	379.0	407.2	442.4	480.8	531.2	595.6	674.3	763.0	849.6	929.3	995.8
132.5°	391.8	420.1	453.7	491.2	537.6	594.8	664.6	743.6	823.8	897.0	959.5
135°	409.2	437.4	469.7	504.9	545.2	593.6	651.1	716.6	783.2	849.6	906.1
137.5°	424.5	450.7	482.6	515.4	552.1	593.4	641.6	695.0	750.6	803.4	852.6
140°	433.4	459.6	489.8	521.1	555.3	592.6	636.0	681.4	729.7	776.1	820.4
142.5°	441.4	466.1	495.4	525.9	557.7	592.6	630.4	670.0	711.1	751.0	788.2
145°	454.5	476.8	503.9	532.2	560.4	590.6	622.9	654.1	687.4	718.6	747.8
147.5°	465.4	485.2	510.8	535.6	561.2	587.0	615.2	641.8	668.0	692.4	713.8
150°	472.7	490.8	514.0	537.1	560.4	584.6	608.7	633.0	655.1	676.3	694.4
152.5°	480.0	496.4	517.3	538.0	558.8	580.6	603.1	624.1	644.6	662.6	678.3
155°	489.8	504.9	522.1	539.2	556.3	573.5	592.6	611.8	627.9	643.0	654.1
157.5°	498.3	511.0	525.5	539.2	551.7	566.2	582.8	597.4	611.0	623.7	632.4
160°	503.9	515.0	527.1	539.2	549.3	561.4	575.5	588.5	599.7	610.8	617.8
162.5°	508.8	517.5	528.0	538.4	546.8	557.3	569.1	579.8	589.2	598.6	604.1
165°	514.0	520.1	529.2	536.2	542.2	549.3	558.4	566.4	573.5	580.6	584.6
167.5°	518.5	522.3	529.0	534.8	537.6	542.2	547.9	553.7	559.2	564.0	567.6
170°	520.1	523.1	528.2	533.2	535.2	538.2	542.2	547.2	550.3	554.3	556.3
172.5°	521.7	523.9	527.4	530.8	532.0	533.4	536.6	540.0	542.2	545.4	546.6
175°	523.1	524.1	526.1	528.2	527.1	528.2	529.2	532.2	533.2	534.2	535.2
177.5°	524.1	524.1	524.9	526.5	524.9	524.1	524.9	526.5	526.5	527.4	527.4
180°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1



TEST NUMBER: P331314-840

CATALOG NUMBER: S122DIP-S485D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3
2.5°	941.2	940.6	940.6	937.9	940.6	940.6	941.2	944.2	945.1	945.7	944.5
5°	873.1	871.9	870.1	871.9	870.1	871.9	873.1	878.4	881.0	883.6	886.0
7.5°	805.8	801.2	800.5	796.1	800.5	801.2	805.8	808.2	813.4	819.4	824.9
10°	756.6	753.6	753.2	746.0	753.2	753.6	756.6	763.0	768.2	775.4	782.9
12.5°	719.1	711.9	713.4	709.2	713.4	711.9	719.1	719.2	725.4	729.8	741.6
15°	654.3	654.3	652.9	646.4	652.9	654.3	654.3	664.5	666.4	673.6	683.8
17.5°	607.8	607.0	603.4	605.2	603.4	607.0	607.8	615.3	616.5	626.1	634.5
20°	580.1	577.7	573.3	573.3	573.3	577.7	580.1	584.2	589.1	594.7	601.9
22.5°	553.8	553.6	548.9	550.4	548.9	553.6	553.8	557.6	562.3	568.6	574.5
25°	523.1	520.1	517.9	519.0	517.9	520.1	523.1	523.5	528.8	532.9	536.6
27.5°	494.0	492.3	492.2	489.1	492.2	492.3	494.0	494.9	498.0	500.4	503.9
30°	477.1	473.3	474.0	472.2	474.0	473.3	477.1	477.5	479.0	480.5	484.6
32.5°	457.8	456.5	455.7	454.0	455.7	456.5	457.8	458.5	461.5	463.0	466.3
35°	431.4	431.8	429.9	430.7	429.9	431.8	431.4	432.2	432.6	434.1	437.1
37.5°	408.5	409.7	408.8	409.0	408.8	409.7	408.5	408.8	409.2	409.4	410.3
40°	393.3	393.3	393.3	394.5	393.3	393.3	393.3	392.2	392.6	392.2	392.2
42.5°	378.9	378.3	377.7	377.6	377.7	378.3	378.9	376.3	377.5	376.3	375.7
45°	354.2	355.3	355.7	353.8	355.7	355.3	354.2	353.4	352.2	351.8	351.5
47.5°	331.7	331.8	331.7	333.4	331.7	331.8	331.7	330.7	329.0	328.3	326.5
50°	316.1	315.3	316.1	315.3	316.1	315.3	316.1	314.2	313.1	311.1	309.6
52.5°	299.4	299.6	299.1	299.0	299.1	299.6	299.4	297.0	296.4	295.8	293.4
55°	273.5	274.2	273.8	273.8	273.8	274.2	273.5	272.0	271.6	269.2	267.0
57.5°	246.5	247.2	247.7	246.0	247.7	247.2	246.5	246.3	246.0	243.7	241.3
60°	227.8	229.6	229.3	228.5	229.3	229.6	227.8	228.1	227.0	225.5	224.0
62.5°	210.6	211.3	211.2	211.1	211.2	211.3	210.6	208.8	208.3	206.8	205.3
65°	184.0	184.8	183.7	184.8	183.7	184.8	184.0	182.9	180.3	179.6	178.0
67.5°	155.4	155.7	156.5	157.0	156.5	155.7	155.4	155.9	154.2	152.8	152.5
70°	137.6	137.2	138.5	139.6	138.5	137.2	137.6	136.9	135.7	134.6	133.1
72.5°	119.0	119.8	119.4	120.3	119.4	119.8	119.0	119.1	118.0	116.5	115.0
75°	91.7	92.8	92.4	93.5	92.4	92.8	91.7	92.4	91.7	90.2	88.7
77.5°	66.2	66.3	66.2	66.9	66.2	66.3	66.2	66.9	66.0	66.6	64.8
80°	50.5	49.8	49.0	50.5	49.0	49.8	50.5	50.5	49.4	50.5	49.4
82.5°	35.1	35.6	34.8	34.8	34.8	35.6	35.1	36.1	35.5	36.1	34.9
85°	16.3	15.9	15.0	15.0	15.0	15.9	16.3	16.3	17.4	16.6	16.6
87.5°	9.7	9.4	9.4	9.1	9.4	9.4	9.7	9.7	9.5	9.7	10.1
90°	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	32.2	30.2	32.2
92.5°	59.9	56.7	57.5	55.8	57.5	56.7	59.9	60.7	67.0	75.4	87.9
95°	125.0	116.9	113.9	114.9	113.9	116.9	125.0	138.0	160.3	202.6	264.1
97.5°	274.2	249.3	234.6	226.2	234.6	249.3	274.2	322.3	395.1	504.1	616.2
100°	451.5	408.2	379.0	360.8	379.0	408.2	451.5	535.2	657.1	795.2	920.2
102.5°	770.0	696.0	659.5	635.0	659.5	696.0	770.0	860.9	990.2	1091.2	1119.3
105°	1255.8	1193.4	1149.9	1135.9	1149.9	1193.4	1255.8	1318.3	1351.6	1338.5	1224.6
107.5°	1481.8	1478.3	1469.7	1451.0	1469.7	1478.3	1481.8	1473.9	1425.1	1320.3	1148.8
110°	1518.8	1538.0	1547.1	1546.1	1547.1	1538.0	1518.8	1475.5	1392.9	1263.8	1083.5



TEST NUMBER: P331314-840

CATALOG NUMBER: S122DIP-S485D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1489.9	1521.9	1539.0	1544.5	1539.0	1521.9	1489.9	1429.6	1334.8	1197.0	1023.8
115°	1413.0	1459.4	1485.6	1494.7	1485.6	1459.4	1413.0	1341.5	1237.7	1105.6	950.4
117.5°	1321.5	1370.5	1398.2	1405.7	1398.2	1370.5	1321.5	1248.6	1151.1	1031.5	895.1
120°	1261.8	1309.2	1338.5	1348.6	1338.5	1309.2	1261.8	1191.3	1099.5	992.8	867.8
122.5°	1207.8	1254.4	1280.4	1288.9	1280.4	1254.4	1207.8	1144.6	1061.7	960.5	846.0
125°	1140.9	1179.2	1204.4	1212.4	1204.4	1179.2	1140.9	1082.5	1006.8	918.2	814.4
127.5°	1081.5	1117.3	1139.1	1145.6	1139.1	1117.3	1081.5	1030.5	960.7	877.1	783.2
130°	1045.2	1079.4	1099.5	1107.6	1099.5	1079.4	1045.2	995.8	929.3	849.6	763.0
132.5°	1008.0	1042.4	1060.9	1068.1	1060.9	1042.4	1008.0	959.5	897.0	823.8	743.6
135°	949.4	982.7	1000.8	1004.8	1000.8	982.7	949.4	906.1	849.6	783.2	716.6
137.5°	892.2	920.8	936.8	942.8	936.8	920.8	892.2	852.6	803.4	750.6	695.0
140°	852.6	878.9	894.0	900.0	894.0	878.9	852.6	820.4	776.1	729.7	681.4
142.5°	818.8	842.6	856.1	857.3	856.1	842.6	818.8	788.2	751.0	711.1	670.0
145°	772.0	789.2	799.2	802.2	799.2	789.2	772.0	747.8	718.6	687.4	654.1
147.5°	733.8	747.4	754.3	756.1	754.3	747.4	733.8	713.8	692.4	668.0	641.8
150°	709.5	721.6	727.7	728.7	727.7	721.6	709.5	694.4	676.3	655.1	633.0
152.5°	690.1	700.6	705.1	705.3	705.1	700.6	690.1	678.3	662.6	644.6	624.1
155°	665.2	672.3	676.3	674.3	676.3	672.3	665.2	654.1	643.0	627.9	611.8
157.5°	640.2	646.0	647.8	647.8	647.8	646.0	640.2	632.4	623.7	611.0	597.4
160°	624.9	630.0	631.0	631.0	631.0	630.0	624.9	617.8	610.8	599.7	588.5
162.5°	611.2	614.6	615.6	614.8	615.6	614.6	611.2	604.1	598.6	589.2	579.8
165°	588.5	592.6	592.6	591.6	592.6	592.6	588.5	584.6	580.6	573.5	566.4
167.5°	569.5	571.7	571.5	570.3	571.5	571.7	569.5	567.6	564.0	559.2	553.7
170°	557.3	560.4	559.4	557.3	559.4	560.4	557.3	556.3	554.3	550.3	547.2
172.5°	547.6	549.1	548.1	546.8	548.1	549.1	547.6	546.6	545.4	542.2	540.0
175°	535.2	536.2	535.2	533.2	535.2	536.2	535.2	535.2	534.2	533.2	532.2
177.5°	527.4	527.4	526.5	524.9	526.5	527.4	527.4	527.4	527.4	526.5	526.5
180°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1



TEST NUMBER: P331314-840

CATALOG NUMBER: S122DIP-S485D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3
2.5°	943.0	946.3	951.5	956.8	960.2	966.5	968.4	971.4	974.1	980.4	987.0
5°	888.6	893.8	906.3	913.0	922.5	933.4	940.6	948.2	956.4	970.8	984.0
7.5°	830.2	839.0	854.4	867.2	880.6	896.3	907.6	922.5	934.8	955.0	974.4
10°	791.2	803.7	817.7	832.7	851.6	868.2	884.0	902.9	918.0	942.1	964.7
12.5°	756.3	758.1	778.1	794.8	820.5	841.0	859.3	883.5	898.4	927.1	950.9
15°	695.1	706.4	724.5	737.7	768.2	794.3	819.9	845.2	862.1	897.6	928.9
17.5°	643.6	654.0	672.6	694.2	716.1	741.9	775.2	801.8	824.9	865.4	902.4
20°	611.0	623.8	642.7	664.9	684.2	712.5	741.0	771.6	796.5	842.1	885.6
22.5°	583.2	593.3	608.5	630.5	651.6	677.4	708.8	742.0	768.2	817.4	861.4
25°	544.2	552.5	562.3	580.5	604.2	632.5	657.0	693.6	731.6	777.7	830.8
27.5°	509.1	514.9	523.6	539.6	558.0	584.4	611.7	646.3	684.7	734.6	790.7
30°	487.7	491.4	500.1	513.3	531.4	552.1	579.7	612.9	652.1	702.7	758.4
32.5°	469.0	472.4	478.1	490.7	506.3	524.1	548.9	582.1	619.5	669.1	730.9
35°	440.9	443.5	448.4	458.6	467.3	484.6	505.3	535.5	570.6	618.1	682.3
37.5°	412.9	416.5	419.5	423.8	434.9	446.4	464.4	489.9	524.3	572.3	633.4
40°	394.5	397.5	402.0	403.9	412.9	423.1	437.9	461.2	495.9	539.7	599.3
42.5°	375.8	378.8	381.5	383.7	391.5	400.5	413.7	433.8	464.5	507.2	566.1
45°	350.3	350.7	353.4	357.5	361.3	367.7	377.2	394.5	418.3	458.3	511.8
47.5°	324.6	325.0	325.5	327.3	331.4	337.2	343.5	357.6	378.9	410.8	462.9
50°	307.4	306.6	307.4	308.9	311.5	316.4	323.6	333.8	351.1	380.9	428.8
52.5°	290.7	290.6	290.1	290.7	292.9	296.2	301.2	309.9	325.5	352.8	395.1
55°	265.5	263.6	264.0	262.5	265.9	266.6	270.4	277.6	291.1	310.0	349.6
57.5°	238.5	237.0	235.3	234.9	234.6	236.6	239.6	245.3	255.7	272.3	304.4
60°	221.4	219.5	217.2	216.5	216.5	217.6	219.1	223.3	233.1	247.8	274.2
62.5°	203.9	201.7	200.4	198.3	197.7	198.9	200.5	203.4	210.5	224.3	247.0
65°	176.9	174.2	172.4	172.0	171.3	170.1	170.9	173.9	179.6	190.5	208.5
67.5°	149.8	147.3	146.8	144.7	143.6	143.8	143.6	146.2	149.6	159.0	172.5
70°	132.0	130.1	129.4	127.4	126.7	125.9	125.2	127.4	130.9	138.8	150.5
72.5°	113.9	112.3	110.7	109.1	109.3	108.5	108.4	109.7	112.5	119.8	128.8
75°	87.9	88.3	86.3	84.5	84.1	83.3	83.3	84.5	85.6	91.3	98.5
77.5°	63.7	63.4	61.8	61.2	60.9	60.1	60.9	61.6	62.2	66.0	71.3
80°	48.7	48.7	46.8	46.8	46.4	45.2	46.4	45.6	47.2	50.9	54.7
82.5°	34.7	34.1	34.1	33.5	33.4	32.6	33.1	33.8	34.4	37.1	39.3
85°	17.0	17.0	16.6	16.3	16.6	16.3	16.6	17.0	17.4	18.5	20.4
87.5°	10.3	10.8	10.9	10.0	8.6	7.9	7.6	7.5	7.7	7.2	6.9
90°	33.2	34.2	33.2	27.2	20.2	15.1	12.1	10.1	8.1	4.0	1.0
92.5°	110.7	131.0	129.2	100.6	68.6	45.7	36.3	29.4	25.0	17.8	12.3
95°	345.7	395.1	349.7	232.8	145.1	98.8	74.6	58.5	49.4	39.3	35.2
97.5°	707.5	674.5	508.0	313.7	191.5	133.2	105.8	87.3	73.6	62.9	57.5
100°	941.4	796.2	548.3	330.6	207.6	154.2	126.0	105.8	89.7	80.6	77.6
102.5°	1028.4	800.2	533.0	331.4	222.2	172.8	144.5	123.6	107.4	98.4	96.1
105°	1014.9	746.8	502.9	336.6	246.9	199.5	171.4	149.2	134.0	127.0	123.0
107.5°	926.5	689.6	488.0	350.5	272.4	226.4	197.9	176.0	162.1	155.2	152.0
110°	870.8	662.2	484.8	361.8	289.2	244.9	215.7	194.5	181.4	175.4	171.4



TEST NUMBER: P331314-840

CATALOG NUMBER: S122DIP-S485D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	832.1	644.4	485.5	374.0	305.4	262.7	232.6	212.3	200.0	193.1	189.0
115°	784.2	624.9	489.8	392.0	330.6	287.2	260.0	239.8	227.8	221.8	216.7
117.5°	753.9	615.4	497.1	411.4	353.8	313.7	285.4	266.1	255.4	249.3	245.3
120°	737.8	609.8	501.9	424.3	369.9	330.6	302.4	282.2	273.2	267.1	263.1
122.5°	724.1	606.5	507.6	435.6	385.2	348.3	319.3	299.1	289.2	283.2	280.0
125°	704.5	600.7	516.0	453.5	408.2	371.9	343.7	323.6	311.4	305.4	302.4
127.5°	686.4	597.2	524.7	470.3	429.6	394.3	365.3	345.9	332.5	324.2	320.1
130°	674.3	595.6	531.2	480.8	442.4	407.2	379.0	358.8	344.7	334.6	330.6
132.5°	664.6	594.8	537.6	491.2	453.7	420.1	391.8	370.9	356.0	345.1	340.2
135°	651.1	593.6	545.2	504.9	469.7	437.4	409.2	386.0	370.9	358.8	354.8
137.5°	641.6	593.4	552.1	515.4	482.6	450.7	424.5	401.5	385.4	373.3	368.5
140°	636.0	592.6	555.3	521.1	489.8	459.6	433.4	411.2	395.1	383.0	379.0
142.5°	630.4	592.6	557.7	525.9	495.4	466.1	441.4	420.1	403.9	392.6	389.4
145°	622.9	590.6	560.4	532.2	503.9	476.8	454.5	434.4	419.3	409.2	405.2
147.5°	615.2	587.0	561.2	535.6	510.8	485.2	465.4	448.7	434.7	425.2	422.1
150°	608.7	584.6	560.4	537.1	514.0	490.8	472.7	457.6	444.4	436.4	433.4
152.5°	603.1	580.6	558.8	538.0	517.3	496.4	480.0	465.6	454.1	446.1	444.6
155°	592.6	573.5	556.3	539.2	522.1	504.9	489.8	478.8	467.7	461.6	460.6
157.5°	582.8	566.2	551.7	539.2	525.5	511.0	498.3	489.4	479.8	474.9	473.9
160°	575.5	561.4	549.3	539.2	527.1	515.0	503.9	495.8	487.8	483.8	482.8
162.5°	569.1	557.3	546.8	538.4	528.0	517.5	508.8	501.5	495.0	491.0	491.6
165°	558.4	549.3	542.2	536.2	529.2	520.1	514.0	509.0	502.9	500.9	501.9
167.5°	547.9	542.2	537.6	534.8	529.0	522.3	518.5	514.8	511.0	509.2	510.4
170°	542.2	538.2	535.2	533.2	528.2	523.1	520.1	518.1	515.0	514.0	516.0
172.5°	536.6	533.4	532.0	530.8	527.4	523.9	521.7	520.5	517.5	518.1	519.3
175°	529.2	528.2	527.1	528.2	526.1	524.1	523.1	523.1	521.1	522.1	523.1
177.5°	524.9	524.1	524.9	526.5	524.9	524.1	524.1	524.1	522.5	523.3	524.9
180°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1



TEST NUMBER: P331314-840

CATALOG NUMBER: S122DIP-S485D925U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3
2.5°	986.4	988.0	992.8	997.6	1003.0	1004.5	1006.9	1004.8	1004.2	1010.0	1014.2
5°	989.3	996.0	1009.3	1021.3	1031.5	1038.6	1046.2	1049.2	1054.9	1062.8	1072.6
7.5°	986.0	999.3	1020.1	1037.6	1056.7	1070.6	1081.4	1090.6	1101.7	1116.7	1133.1
10°	982.5	1000.2	1025.4	1046.9	1070.4	1088.0	1102.8	1117.1	1133.7	1154.5	1175.9
12.5°	975.8	996.8	1028.4	1053.9	1083.9	1101.4	1121.2	1152.1	1169.9	1198.8	1229.0
15°	962.5	985.8	1030.0	1061.3	1095.2	1128.4	1165.0	1194.4	1223.9	1240.8	1283.4
17.5°	942.6	976.9	1025.8	1062.4	1105.5	1157.7	1198.8	1232.2	1266.2	1293.6	1315.0
20°	926.7	964.0	1019.8	1063.6	1114.8	1171.0	1218.2	1252.1	1281.5	1304.5	1317.8
22.5°	906.5	953.4	1007.7	1059.0	1124.5	1180.1	1229.6	1256.4	1280.9	1292.1	1297.2
25°	874.5	931.2	992.6	1055.2	1129.1	1188.0	1233.2	1249.5	1256.7	1245.7	1227.6
27.5°	840.3	903.3	975.2	1048.1	1126.3	1182.9	1215.3	1212.7	1200.6	1165.2	1136.9
30°	814.7	884.0	961.3	1040.9	1119.3	1174.4	1193.3	1174.4	1146.9	1107.3	1066.9
32.5°	787.8	859.6	946.5	1030.7	1106.7	1155.1	1159.2	1126.7	1084.1	1039.2	988.8
35°	747.1	824.9	918.7	1007.7	1079.7	1110.3	1092.2	1034.9	984.3	922.9	854.2
37.5°	701.1	787.0	881.1	974.1	1039.5	1047.4	1002.5	942.1	870.8	798.6	717.8
40°	666.8	757.7	854.6	948.5	1006.2	997.9	940.6	874.2	789.3	701.1	626.0
42.5°	636.0	726.9	825.7	917.8	964.0	941.2	874.2	792.7	701.6	618.4	549.8
45°	582.7	676.2	777.3	866.3	892.7	851.6	763.0	672.5	582.7	513.3	459.0
47.5°	531.0	623.4	723.5	801.7	811.1	755.8	658.9	565.8	488.7	432.1	393.8
50°	492.9	585.7	684.9	754.7	751.6	684.9	585.3	496.7	432.2	386.6	360.9
52.5°	458.8	546.4	641.8	705.2	689.2	616.4	521.4	442.7	389.7	354.0	330.7
55°	405.8	486.9	577.4	628.3	599.0	518.2	437.9	374.5	335.3	308.5	290.4
57.5°	353.1	429.2	506.6	538.1	505.5	431.0	364.1	318.1	288.6	268.7	257.0
60°	320.5	387.0	456.0	483.1	444.2	377.9	325.1	284.0	260.2	244.0	233.5
62.5°	288.0	347.4	412.5	427.3	391.7	335.7	288.9	254.7	235.2	220.8	210.9
65°	243.7	292.3	341.7	351.5	318.7	275.3	238.3	216.1	198.7	188.2	180.3
67.5°	199.9	238.8	273.9	281.8	253.1	223.0	196.2	176.9	165.1	156.3	149.7
70°	173.9	204.8	233.5	239.8	216.8	190.1	169.8	154.2	143.7	136.1	129.8
72.5°	146.4	172.2	196.0	200.4	181.6	161.1	144.4	132.2	122.9	118.1	111.9
75°	112.0	127.1	145.6	146.7	134.3	121.8	109.0	101.1	96.1	90.2	87.2
77.5°	79.1	90.9	101.5	103.5	96.1	87.7	80.5	74.2	70.1	67.3	64.5
80°	60.4	69.8	74.3	77.0	71.7	65.6	61.5	57.4	54.7	52.8	50.9
82.5°	43.1	49.0	53.2	55.2	52.3	48.8	44.5	42.2	40.2	38.6	38.0
85°	21.9	24.5	27.2	27.9	27.2	25.7	23.4	23.4	22.2	21.9	21.9
87.5°	8.4	10.4	10.8	12.1	12.1	13.1	14.5	15.5	15.3	14.8	14.3
90°	4.0	8.1	10.1	12.1	15.1	20.2	27.2	33.2	34.2	33.2	32.2
92.5°	17.8	25.0	29.4	36.3	45.7	68.6	100.6	129.2	131.0	110.7	87.9
95°	39.3	49.4	58.5	74.6	98.8	145.1	232.8	349.7	395.1	345.7	264.1
97.5°	62.9	73.6	87.3	105.8	133.2	191.5	313.7	508.0	674.5	707.5	616.2
100°	80.6	89.7	105.8	126.0	154.2	207.6	330.6	548.3	796.2	941.4	920.2
102.5°	98.4	107.4	123.6	144.5	172.8	222.2	331.4	533.0	800.2	1028.4	1119.3
105°	127.0	134.0	149.2	171.4	199.5	246.9	336.6	502.9	746.8	1014.9	1224.6
107.5°	155.2	162.1	176.0	197.9	226.4	272.4	350.5	488.0	689.6	926.5	1148.8
110°	175.4	181.4	194.5	215.7	244.9	289.2	361.8	484.8	662.2	870.8	1083.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	193.1	200.0	212.3	232.6	262.7	305.4	374.0	485.5	644.4	832.1	1023.8
115°	221.8	227.8	239.8	260.0	287.2	330.6	392.0	489.8	624.9	784.2	950.4
117.5°	249.3	255.4	266.1	285.4	313.7	353.8	411.4	497.1	615.4	753.9	895.1
120°	267.1	273.2	282.2	302.4	330.6	369.9	424.3	501.9	609.8	737.8	867.8
122.5°	283.2	289.2	299.1	319.3	348.3	385.2	435.6	507.6	606.5	724.1	846.0
125°	305.4	311.4	323.6	343.7	371.9	408.2	453.5	516.0	600.7	704.5	814.4
127.5°	324.2	332.5	345.9	365.3	394.3	429.6	470.3	524.7	597.2	686.4	783.2
130°	334.6	344.7	358.8	379.0	407.2	442.4	480.8	531.2	595.6	674.3	763.0
132.5°	345.1	356.0	370.9	391.8	420.1	453.7	491.2	537.6	594.8	664.6	743.6
135°	358.8	370.9	386.0	409.2	437.4	469.7	504.9	545.2	593.6	651.1	716.6
137.5°	373.3	385.4	401.5	424.5	450.7	482.6	515.4	552.1	593.4	641.6	695.0
140°	383.0	395.1	411.2	433.4	459.6	489.8	521.1	555.3	592.6	636.0	681.4
142.5°	392.6	403.9	420.1	441.4	466.1	495.4	525.9	557.7	592.6	630.4	670.0
145°	409.2	419.3	434.4	454.5	476.8	503.9	532.2	560.4	590.6	622.9	654.1
147.5°	425.2	434.7	448.7	465.4	485.2	510.8	535.6	561.2	587.0	615.2	641.8
150°	436.4	444.4	457.6	472.7	490.8	514.0	537.1	560.4	584.6	608.7	633.0
152.5°	446.1	454.1	465.6	480.0	496.4	517.3	538.0	558.8	580.6	603.1	624.1
155°	461.6	467.7	478.8	489.8	504.9	522.1	539.2	556.3	573.5	592.6	611.8
157.5°	474.9	479.8	489.4	498.3	511.0	525.5	539.2	551.7	566.2	582.8	597.4
160°	483.8	487.8	495.8	503.9	515.0	527.1	539.2	549.3	561.4	575.5	588.5
162.5°	491.0	495.0	501.5	508.8	517.5	528.0	538.4	546.8	557.3	569.1	579.8
165°	500.9	502.9	509.0	514.0	520.1	529.2	536.2	542.2	549.3	558.4	566.4
167.5°	509.2	511.0	514.8	518.5	522.3	529.0	534.8	537.6	542.2	547.9	553.7
170°	514.0	515.0	518.1	520.1	523.1	528.2	533.2	535.2	538.2	542.2	547.2
172.5°	518.1	517.5	520.5	521.7	523.9	527.4	530.8	532.0	533.4	536.6	540.0
175°	522.1	521.1	523.1	523.1	524.1	526.1	528.2	527.1	528.2	529.2	532.2
177.5°	523.3	522.5	524.1	524.1	524.1	524.9	526.5	524.9	524.1	524.9	526.5
180°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	981.3	981.3	981.3	981.3	981.3	981.3	981.3
2.5°	1017.8	1022.1	1022.1	1022.7	1027.4	1026.9	1026.6
5°	1083.2	1089.5	1090.4	1097.1	1101.7	1100.1	1096.0
7.5°	1144.8	1156.7	1165.8	1170.8	1176.8	1180.4	1178.8
10°	1193.7	1211.0	1221.5	1228.7	1237.4	1243.9	1241.5
12.5°	1238.0	1258.7	1273.1	1285.5	1286.6	1294.8	1289.2
15°	1307.2	1329.1	1331.3	1340.4	1347.6	1346.8	1347.2
17.5°	1330.0	1337.1	1338.5	1338.7	1338.8	1336.2	1330.4
20°	1321.9	1319.3	1312.8	1308.0	1299.3	1298.1	1290.6
22.5°	1283.2	1274.9	1258.8	1248.2	1234.7	1231.1	1229.0
25°	1207.2	1188.7	1163.1	1138.6	1131.8	1118.6	1122.4
27.5°	1102.9	1074.1	1046.3	1026.4	1008.5	988.7	994.3
30°	1029.6	997.1	958.0	927.8	908.6	889.7	886.3
32.5°	942.1	894.5	850.8	824.3	794.8	782.8	769.8
35°	791.2	744.9	701.5	664.2	642.7	626.0	611.0
37.5°	655.5	602.2	567.1	536.9	521.4	511.9	514.2
40°	571.4	524.6	499.0	475.9	461.6	454.8	456.4
42.5°	503.2	468.2	447.1	431.3	421.2	417.4	416.5
45°	425.8	406.2	388.8	379.8	374.9	370.7	368.1
47.5°	373.0	357.0	347.2	341.8	337.5	333.4	333.3
50°	341.3	330.7	324.0	318.3	314.9	311.8	314.6
52.5°	317.2	307.5	300.7	295.7	294.4	291.6	291.6
55°	281.3	273.8	268.9	264.4	262.2	260.6	258.7
57.5°	248.7	241.6	237.1	234.2	229.9	228.4	227.8
60°	225.5	219.8	215.3	211.6	209.6	206.7	206.7
62.5°	204.1	198.4	194.2	191.4	188.2	187.0	187.3
65°	173.1	168.5	164.4	161.4	160.7	158.4	159.2
67.5°	144.6	141.6	137.2	135.5	134.1	132.9	132.0
70°	125.6	122.6	120.3	118.1	116.9	116.9	116.9
72.5°	109.6	105.9	104.6	101.8	102.4	101.2	100.0
75°	84.8	82.6	81.5	80.3	78.5	78.5	78.5
77.5°	62.4	61.8	60.4	59.2	58.8	58.4	58.6
80°	48.3	47.9	47.2	47.2	46.4	46.0	45.2
82.5°	37.1	36.2	35.6	35.3	35.2	35.1	35.0
85°	21.1	20.4	20.4	20.7	20.0	20.0	20.4
87.5°	14.2	14.6	14.5	14.5	14.8	14.5	14.5
90°	30.2	32.2	33.2	33.2	33.2	33.2	33.2
92.5°	75.4	67.0	60.7	59.9	56.7	57.5	55.8
95°	202.6	160.3	138.0	125.0	116.9	113.9	114.9
97.5°	504.1	395.1	322.3	274.2	249.3	234.6	226.2
100°	795.2	657.1	535.2	451.5	408.2	379.0	360.8
102.5°	1091.2	990.2	860.9	770.0	696.0	659.5	635.0
105°	1338.5	1351.6	1318.3	1255.8	1193.4	1149.9	1135.9
107.5°	1320.3	1425.1	1473.9	1481.8	1478.3	1469.7	1451.0
110°	1263.8	1392.9	1475.5	1518.8	1538.0	1547.1	1546.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1197.0	1334.8	1429.6	1489.9	1521.9	1539.0	1544.5
115°	1105.6	1237.7	1341.5	1413.0	1459.4	1485.6	1494.7
117.5°	1031.5	1151.1	1248.6	1321.5	1370.5	1398.2	1405.7
120°	992.8	1099.5	1191.3	1261.8	1309.2	1338.5	1348.6
122.5°	960.5	1061.7	1144.6	1207.8	1254.4	1280.4	1288.9
125°	918.2	1006.8	1082.5	1140.9	1179.2	1204.4	1212.4
127.5°	877.1	960.7	1030.5	1081.5	1117.3	1139.1	1145.6
130°	849.6	929.3	995.8	1045.2	1079.4	1099.5	1107.6
132.5°	823.8	897.0	959.5	1008.0	1042.4	1060.9	1068.1
135°	783.2	849.6	906.1	949.4	982.7	1000.8	1004.8
137.5°	750.6	803.4	852.6	892.2	920.8	936.8	942.8
140°	729.7	776.1	820.4	852.6	878.9	894.0	900.0
142.5°	711.1	751.0	788.2	818.8	842.6	856.1	857.3
145°	687.4	718.6	747.8	772.0	789.2	799.2	802.2
147.5°	668.0	692.4	713.8	733.8	747.4	754.3	756.1
150°	655.1	676.3	694.4	709.5	721.6	727.7	728.7
152.5°	644.6	662.6	678.3	690.1	700.6	705.1	705.3
155°	627.9	643.0	654.1	665.2	672.3	676.3	674.3
157.5°	611.0	623.7	632.4	640.2	646.0	647.8	647.8
160°	599.7	610.8	617.8	624.9	630.0	631.0	631.0
162.5°	589.2	598.6	604.1	611.2	614.6	615.6	614.8
165°	573.5	580.6	584.6	588.5	592.6	592.6	591.6
167.5°	559.2	564.0	567.6	569.5	571.7	571.5	570.3
170°	550.3	554.3	556.3	557.3	560.4	559.4	557.3
172.5°	542.2	545.4	546.6	547.6	549.1	548.1	546.8
175°	533.2	534.2	535.2	535.2	536.2	535.2	533.2
177.5°	526.5	527.4	527.4	527.4	527.4	526.5	524.9
180°	524.1	524.1	524.1	524.1	524.1	524.1	524.1

(END OF REPORT)