

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: P331313-935

Luminaire Tested: **S122DIP-S485D925U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331313-935
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: S122DIP-S485D925U935-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 925 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4697.0 lumens
Efficiency: N/A
Efficacy: 105.6 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

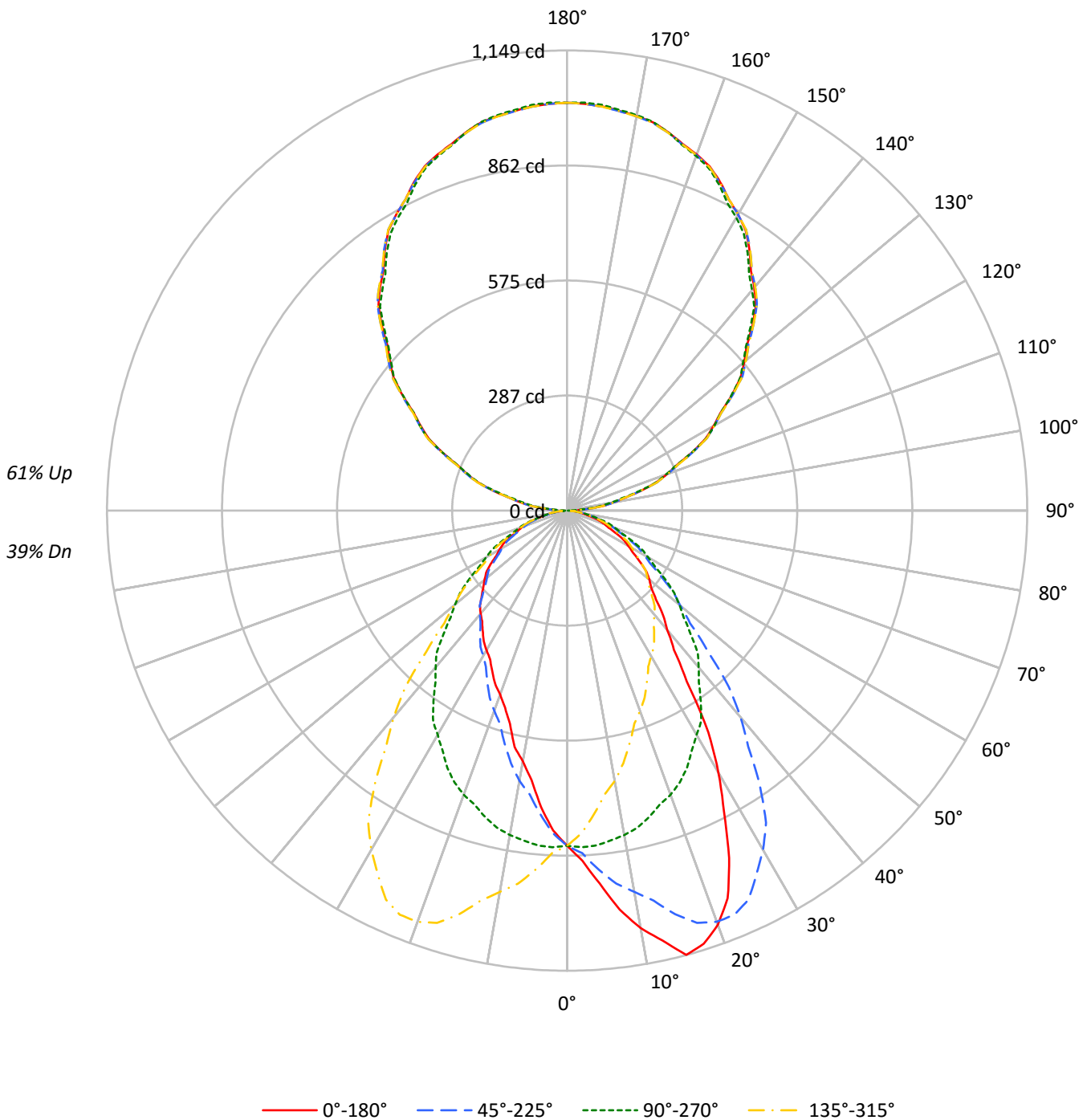
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	105	105	105	95	95	95	95	77	77	77	61	61	61	46	46	46	39				
1	96	92	88	85	87	84	80	78	68	66	64	54	53	52	42	41	40	34				
2	87	80	75	70	79	73	68	64	60	57	54	48	46	44	37	35	34	29				
3	80	71	64	58	73	65	59	54	53	49	46	43	40	37	33	31	29	25				
4	73	63	55	50	67	58	51	46	48	43	39	38	35	32	30	28	26	22				
5	67	56	49	43	61	52	45	40	43	38	34	35	31	28	27	25	23	19				
6	62	51	43	37	56	46	40	35	39	34	30	31	28	25	25	22	20	17				
7	58	46	38	33	52	42	35	31	35	30	26	29	25	22	23	20	18	15				
8	53	42	34	29	49	38	32	27	32	27	23	26	23	20	21	18	16	14				
9	50	38	31	26	45	35	29	24	29	24	21	24	21	18	19	17	15	13				
10	46	35	28	23	42	32	26	22	27	22	19	22	19	16	18	15	13	11				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13508	13508	13508	13508
5°	15144	13598	12049	13598
10°	17354	13485	10427	13485
15°	19199	13237	9212	13237
20°	18907	12972	8399	12972
25°	17047	12618	7883	12618
30°	14087	12055	7506	12055
35°	10267	11466	7238	11466
40°	8201	10768	7088	10768
45°	7165	9965	6887	9965
50°	6737	9183	6752	9183
55°	6210	8391	6570	8391
60°	5690	7550	6290	7550
65°	5184	6793	6021	6793
70°	4707	6057	5618	6057
75°	4173	5234	4972	5234
80°	3589	4342	3998	4342
85°	3223	3223	2371	3223



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.7	1.7
10°-20°	231.6	4.9
20°-30°	336.2	7.2
30°-40°	354.8	7.6
40°-50°	314.1	6.7
50°-60°	250.7	5.3
60°-70°	170.4	3.6
70°-80°	87.4	1.9
80°-90°	25.1	0.5
90°-100°	64.5	1.4
100°-110°	200.4	4.3
110°-120°	342.5	7.3
120°-130°	450.4	9.6
130°-140°	505.6	10.8
140°-150°	495.7	10.6
150°-160°	415.8	8.9
160°-170°	275.8	5.9
170°-180°	96.4	2.1
0°-30°	647.5	13.8
0°-40°	1002.3	21.3
0°-60°	1567.1	33.4
0°-90°	1849.9	39.4
90°-120°	607.4	12.9
90°-150°	2059.1	43.8
90°-180°	2847.0	60.6
0°-180°	4697.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	837	837	837	837	837	
5°	934	839	743	839	934	93
15°	1149	792	551	792	1149	317
25°	957	708	442	708	957	432
35°	521	582	367	582	521	339
45°	314	436	302	436	314	247
55°	221	298	233	298	221	198
65°	136	178	158	178	136	135
75°	67	84	80	84	67	71
85°	17	17	13	17	17	20
90°	29	1	29	1	29	14
95°	53	45	53	45	53	59
105°	191	185	191	185	191	201
115°	344	344	344	344	344	339
125°	502	500	502	500	502	447
135°	655	647	655	647	655	504
145°	794	785	794	785	794	496
155°	905	898	905	898	905	416
165°	978	977	978	977	978	276
175°	1013	1016	1013	1016	1013	96
180°	1018	1018	1018	1018	1018	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6
2.5°	875.3	875.6	876.0	871.9	871.4	871.4	867.8	864.7	861.1	856.2	856.7
5°	934.4	938.0	939.3	935.4	929.6	928.9	923.5	914.5	906.1	899.4	894.6
7.5°	1005.0	1006.4	1003.3	998.2	993.9	986.2	976.0	966.0	952.1	939.3	929.8
10°	1058.5	1060.5	1055.0	1047.6	1041.5	1032.5	1017.7	1002.5	984.3	966.6	952.4
12.5°	1099.2	1104.0	1096.9	1096.0	1085.5	1073.2	1055.5	1047.8	1022.1	997.5	982.2
15°	1148.6	1148.2	1148.9	1142.8	1135.1	1133.2	1114.5	1094.2	1057.9	1043.4	1018.3
17.5°	1134.3	1139.2	1141.4	1141.3	1141.2	1140.0	1133.9	1121.2	1102.9	1079.5	1050.6
20°	1100.4	1106.7	1107.8	1115.2	1119.3	1124.8	1127.0	1123.5	1112.2	1092.6	1067.6
22.5°	1047.8	1049.6	1052.7	1064.2	1073.2	1086.9	1094.1	1106.0	1101.6	1092.1	1071.2
25°	956.9	953.7	964.9	970.8	991.6	1013.5	1029.2	1046.6	1062.0	1071.4	1065.3
27.5°	847.7	842.9	859.8	875.1	892.1	915.8	940.3	969.3	993.4	1023.6	1034.0
30°	755.6	758.5	774.6	791.0	816.7	850.2	877.8	909.6	944.1	977.8	1001.3
32.5°	656.3	667.4	677.6	702.7	725.4	762.7	803.2	843.0	886.0	924.3	960.6
35°	520.9	533.7	547.9	566.3	598.1	635.1	674.6	728.3	786.9	839.2	882.4
37.5°	438.4	436.4	444.5	457.8	483.5	513.4	558.9	612.0	680.9	742.4	803.2
40°	389.1	387.8	393.6	405.8	425.4	447.3	487.2	533.7	597.8	673.0	745.4
42.5°	355.1	355.9	359.1	367.7	381.2	399.2	429.0	468.7	527.3	598.1	675.9
45°	313.8	316.1	319.6	323.8	331.5	346.3	363.0	391.3	437.6	496.8	573.3
47.5°	284.1	284.2	287.7	291.4	296.0	304.4	318.1	335.8	368.4	416.6	482.4
50°	268.2	265.9	268.5	271.4	276.2	282.0	291.0	307.7	329.6	368.5	423.4
52.5°	248.7	248.7	251.0	252.1	256.4	262.2	270.4	282.0	301.8	332.3	377.5
55°	220.6	222.2	223.5	225.4	229.3	233.4	239.9	247.6	263.0	285.9	319.3
57.5°	194.2	194.8	196.0	199.7	202.2	206.0	212.1	219.1	229.1	246.1	271.2
60°	176.2	176.2	178.7	180.4	183.6	187.4	192.3	199.1	208.0	221.9	242.1
62.5°	159.7	159.5	160.5	163.2	165.6	169.2	174.0	179.8	188.2	200.5	217.1
65°	135.7	135.1	137.0	137.6	140.2	143.7	147.6	153.7	160.5	169.4	184.3
67.5°	112.5	113.3	114.3	115.5	117.0	120.7	123.3	127.6	133.3	140.8	150.8
70°	99.7	99.7	99.7	100.7	102.5	104.5	107.1	110.6	116.1	122.5	131.5
72.5°	85.2	86.3	87.3	86.8	89.2	90.3	93.4	95.4	100.7	104.8	112.7
75°	66.9	66.9	66.9	68.4	69.5	70.4	72.3	74.3	76.9	82.0	86.2
77.5°	49.9	49.8	50.1	50.5	51.5	52.7	53.2	55.0	57.3	59.8	63.3
80°	38.6	39.3	39.5	40.2	40.2	40.8	41.2	43.4	45.0	46.7	48.9
82.5°	29.9	30.0	30.0	30.1	30.4	30.8	31.6	32.4	32.9	34.3	36.0
85°	17.4	17.0	17.0	17.7	17.4	17.4	18.0	18.7	18.7	18.9	20.0
87.5°	12.6	12.5	12.7	12.4	12.4	12.7	12.7	12.6	12.9	13.3	12.7
90°	29.2	29.0	28.8	28.7	28.4	28.6	28.9	29.3	29.7	30.0	25.8
92.5°	27.8	27.8	27.7	27.7	27.7	27.6	27.6	27.5	27.4	27.3	26.3
95°	53.3	53.6	54.1	54.4	54.8	55.0	55.0	55.0	55.0	55.0	54.6
97.5°	92.3	92.3	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	91.7
100°	117.7	117.9	118.1	118.3	118.5	118.6	118.6	118.6	118.6	118.6	118.0
102.5°	146.6	146.8	147.0	147.1	147.3	147.4	147.2	147.1	146.9	146.8	146.0
105°	190.7	190.7	190.7	190.7	190.7	190.5	190.2	189.8	189.4	189.0	188.6
107.5°	232.3	233.2	234.1	235.0	235.8	236.2	236.1	235.9	235.7	235.6	235.6
110°	264.7	265.2	265.8	266.4	266.9	267.3	267.3	267.3	267.3	267.3	267.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	295.6	296.0	296.4	296.9	297.2	297.7	298.2	298.6	299.1	299.5	299.7
115°	343.7	344.2	344.8	345.4	345.9	346.4	346.6	346.7	347.0	347.2	347.5
117.5°	389.6	390.1	390.7	391.3	391.8	392.4	392.9	393.3	393.7	394.3	395.3
120°	421.9	422.5	423.0	423.6	424.2	424.5	424.5	424.5	424.5	424.5	426.0
122.5°	453.5	453.9	454.3	454.8	455.2	455.6	456.1	456.5	457.0	457.4	458.6
125°	501.8	502.0	502.1	502.4	502.6	502.9	503.5	504.1	504.6	505.2	505.8
127.5°	545.8	546.4	547.0	547.6	548.2	548.9	549.6	550.3	551.0	551.6	552.3
130°	577.4	578.2	578.9	579.7	580.5	581.0	581.4	581.8	582.2	582.6	583.0
132.5°	607.7	608.3	608.9	609.5	610.1	610.8	611.7	612.5	613.4	614.2	614.1
135°	654.7	655.3	655.9	656.4	657.0	657.4	657.6	657.8	658.0	658.1	657.8
137.5°	697.3	698.1	698.9	699.6	700.4	700.9	701.0	701.2	701.4	701.5	701.0
140°	726.9	727.7	728.4	729.2	730.0	730.4	730.4	730.4	730.4	730.4	729.4
142.5°	753.7	754.5	755.3	756.0	756.8	757.1	756.9	756.8	756.6	756.5	755.8
145°	793.9	794.7	795.5	796.3	797.0	797.3	797.1	796.9	796.7	796.5	795.4
147.5°	829.8	830.6	831.3	832.1	832.8	832.9	832.5	832.1	831.6	831.2	830.4
150°	853.3	853.8	854.4	855.0	855.5	855.5	855.0	854.4	853.8	853.3	852.5
152.5°	875.2	876.0	876.7	877.4	878.1	878.1	877.4	876.7	876.0	875.2	874.3
155°	904.7	905.3	905.9	906.5	907.1	906.9	905.9	905.0	904.0	903.0	902.5
157.5°	930.2	931.1	932.0	933.0	933.8	933.7	932.4	931.1	929.8	928.5	928.2
160°	946.0	946.8	947.5	948.3	949.1	948.9	947.7	946.6	945.5	944.3	944.1
162.5°	959.8	960.7	961.6	962.5	963.5	963.2	961.9	960.6	959.3	958.0	957.9
165°	977.8	978.8	979.7	980.7	981.6	981.5	980.1	978.8	977.4	976.1	976.1
167.5°	992.6	993.6	994.5	995.6	996.5	996.3	995.1	993.7	992.4	991.0	991.1
170°	1000.1	1001.3	1002.5	1003.6	1004.7	1004.6	1003.3	1001.9	1000.7	999.3	999.4
172.5°	1006.3	1007.5	1008.7	1009.8	1010.9	1010.8	1009.5	1008.1	1006.9	1005.5	1005.6
175°	1013.1	1014.2	1015.3	1016.5	1017.6	1017.5	1016.2	1014.9	1013.5	1012.2	1012.5
177.5°	1016.2	1017.0	1018.0	1018.9	1019.8	1019.8	1018.9	1018.0	1017.0	1016.2	1016.4
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6
2.5°	858.5	856.4	855.1	850.6	846.4	842.3	841.0	841.5	835.9	830.5	828.2
5°	892.0	885.5	879.4	870.7	860.5	849.2	843.4	839.0	827.7	815.5	808.4
7.5°	922.0	912.7	901.0	884.7	869.7	852.0	840.7	830.8	814.2	797.0	786.5
10°	940.2	927.6	912.6	892.6	874.3	852.7	837.7	822.5	803.2	782.6	769.8
12.5°	955.9	939.0	924.1	898.5	876.8	849.9	832.0	810.7	790.4	765.9	753.3
15°	993.2	962.1	933.8	904.8	878.1	840.5	820.6	791.9	765.3	735.0	720.6
17.5°	1022.1	987.1	942.5	905.8	874.6	832.9	803.7	769.4	737.8	703.3	683.6
20°	1038.6	998.4	950.5	906.8	869.4	821.9	790.1	755.0	718.0	679.1	657.9
22.5°	1048.4	1006.2	958.7	902.9	859.2	812.9	772.8	734.4	696.9	655.0	632.7
25°	1051.5	1012.9	962.7	899.7	846.3	793.9	745.6	708.3	663.1	623.8	591.3
27.5°	1036.1	1008.5	960.3	893.6	831.5	770.2	716.4	674.2	626.3	583.8	551.0
30°	1017.4	1001.3	954.3	887.4	819.6	753.7	694.6	646.6	599.1	555.9	522.5
32.5°	988.3	984.8	943.6	878.7	807.0	732.9	671.7	623.2	570.5	528.1	496.3
35°	931.2	946.7	920.6	859.2	783.3	703.3	637.0	581.7	527.0	486.5	456.6
37.5°	854.7	893.0	886.2	830.5	751.2	671.0	597.8	540.0	487.9	447.0	417.7
40°	801.9	850.8	857.9	808.7	728.7	646.0	568.5	510.9	460.1	422.8	393.2
42.5°	745.4	802.5	821.9	782.5	704.0	619.7	542.3	482.7	432.4	396.1	369.9
45°	650.5	726.1	761.1	738.6	662.7	576.5	496.8	436.4	390.7	356.6	336.3
47.5°	561.8	644.4	691.6	683.5	616.8	531.5	452.7	394.7	350.3	323.0	304.9
50°	499.0	583.9	640.8	643.4	583.9	499.4	420.3	365.6	324.8	299.4	284.6
52.5°	444.5	525.6	587.6	601.2	547.2	465.9	391.2	336.8	300.8	277.5	264.2
55°	373.3	441.8	510.7	535.7	492.3	415.1	345.9	298.1	264.3	248.2	236.7
57.5°	310.4	367.5	431.0	458.7	432.0	365.9	301.1	259.5	232.1	218.0	209.1
60°	277.2	322.2	378.8	411.9	388.7	329.9	273.3	233.8	211.3	198.7	190.4
62.5°	246.3	286.2	334.0	364.3	351.7	296.2	245.6	210.6	191.2	179.4	173.4
65°	203.2	234.7	271.7	299.7	291.4	249.2	207.8	177.8	162.4	153.1	148.3
67.5°	167.3	190.1	215.8	240.2	233.5	203.6	170.4	147.1	135.5	127.5	124.7
70°	144.7	162.0	184.9	204.5	199.1	174.6	148.3	128.3	118.3	111.6	108.7
72.5°	123.1	137.3	154.8	170.8	167.1	146.8	124.8	109.8	102.1	95.9	93.5
75°	92.9	103.8	114.5	125.1	124.2	108.4	95.5	83.9	77.8	73.0	72.1
77.5°	68.6	74.7	82.0	88.3	86.5	77.5	67.4	60.8	56.3	53.0	52.5
80°	52.4	56.0	61.1	65.6	63.4	59.5	51.5	46.7	43.4	40.2	38.9
82.5°	38.0	41.6	44.6	47.1	45.4	41.8	36.8	33.5	31.6	29.4	28.8
85°	20.0	21.9	23.2	23.8	23.2	20.9	18.7	17.4	15.8	14.8	14.5
87.5°	12.1	11.2	10.3	10.2	9.0	8.5	7.1	5.9	6.0	6.2	6.2
90°	21.7	17.5	13.3	10.0	7.7	5.4	3.2	0.9	3.2	5.4	7.7
92.5°	25.3	24.4	23.3	22.0	20.3	18.7	17.0	15.3	17.0	18.7	20.3
95°	54.2	53.8	53.5	52.3	50.4	48.5	46.6	44.7	46.6	48.5	50.4
97.5°	91.0	90.3	89.5	88.3	86.7	85.0	83.3	81.6	83.3	85.0	86.7
100°	117.4	116.8	116.3	115.2	113.7	112.2	110.6	109.1	110.6	112.2	113.7
102.5°	145.3	144.6	143.9	142.8	141.6	140.4	139.2	138.0	139.2	140.4	141.6
105°	188.3	187.9	187.5	187.0	186.5	185.9	185.3	184.8	185.3	185.9	186.5
107.5°	235.6	235.6	235.6	235.2	234.4	233.5	232.6	231.8	232.6	233.5	234.4
110°	267.3	267.3	267.3	266.7	265.5	264.3	263.2	262.1	263.2	264.3	265.5



TEST NUMBER: P331313-935

CATALOG NUMBER: S122DIP-S485D925U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	299.8	300.0	300.1	299.6	298.5	297.4	296.2	295.1	296.2	297.4	298.5
115°	347.9	348.3	348.6	348.3	347.2	345.9	344.8	343.7	344.8	345.9	347.2
117.5°	396.3	397.4	398.5	398.3	396.7	395.2	393.6	392.2	393.6	395.2	396.7
120°	427.5	429.0	430.6	430.6	429.0	427.5	426.0	424.5	426.0	427.5	429.0
122.5°	459.6	460.6	461.8	461.3	459.5	457.7	455.8	454.0	455.8	457.7	459.5
125°	506.4	507.0	507.6	507.0	505.2	503.5	501.8	500.1	501.8	503.5	505.2
127.5°	553.0	553.7	554.4	553.6	551.5	549.3	547.1	544.9	547.1	549.3	551.5
130°	583.3	583.7	584.1	583.1	580.6	578.1	575.6	573.1	575.6	578.1	580.6
132.5°	614.1	614.0	613.9	612.9	610.8	608.8	606.7	604.8	606.7	608.8	610.8
135°	657.4	657.0	656.7	655.4	653.3	651.2	649.1	647.0	649.1	651.2	653.3
137.5°	700.5	700.0	699.5	698.4	696.6	694.9	693.2	691.6	693.2	694.9	696.6
140°	728.4	727.5	726.5	725.2	723.5	721.8	720.1	718.3	720.1	721.8	723.5
142.5°	755.2	754.5	753.9	752.7	751.0	749.2	747.5	745.8	747.5	749.2	751.0
145°	794.2	793.1	791.9	790.7	789.4	788.0	786.7	785.3	786.7	788.0	789.4
147.5°	829.7	829.0	828.2	827.0	825.4	823.8	822.2	820.5	822.2	823.8	825.4
150°	851.7	850.9	850.2	849.2	848.1	846.9	845.8	844.6	845.8	846.9	848.1
152.5°	873.4	872.5	871.6	870.6	869.4	868.2	867.1	865.9	867.1	868.2	869.4
155°	901.9	901.4	900.8	900.2	899.7	899.1	898.5	897.9	898.5	899.1	899.7
157.5°	927.8	927.5	927.1	926.8	926.3	926.0	925.6	925.2	925.6	926.0	926.3
160°	943.9	943.7	943.6	943.2	942.9	942.5	942.1	941.8	942.1	942.5	942.9
162.5°	957.7	957.5	957.3	957.2	957.1	957.0	956.9	956.8	956.9	957.0	957.1
165°	976.1	976.1	976.1	976.2	976.4	976.5	976.8	977.0	976.8	976.5	976.4
167.5°	991.1	991.2	991.2	991.5	992.0	992.6	993.2	993.8	993.2	992.6	992.0
170°	999.7	999.9	1000.1	1000.4	1001.0	1001.6	1002.1	1002.7	1002.1	1001.6	1001.0
172.5°	1005.8	1006.1	1006.3	1006.6	1007.2	1007.8	1008.3	1008.9	1008.3	1007.8	1007.2
175°	1013.0	1013.3	1013.7	1014.2	1014.8	1015.3	1015.9	1016.5	1015.9	1015.3	1014.8
177.5°	1016.8	1017.0	1017.4	1017.7	1018.2	1018.6	1019.1	1019.6	1019.1	1018.6	1018.2
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



TEST NUMBER: P331313-935

CATALOG NUMBER: S122DIP-S485D925U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6
2.5°	825.6	824.1	818.6	815.8	811.2	806.8	804.0	805.3	806.3	805.8	805.0
5°	801.9	795.8	786.5	778.4	772.7	762.1	757.6	755.4	753.4	751.1	748.9
7.5°	773.8	764.1	750.8	739.3	728.5	715.3	707.8	703.3	698.6	693.5	689.1
10°	753.7	740.2	726.1	710.0	697.2	685.2	674.6	667.5	661.1	655.0	650.5
12.5°	732.6	717.0	699.6	677.6	663.4	646.4	644.8	632.3	622.2	618.5	613.2
15°	699.0	677.2	655.0	629.0	617.7	602.3	592.6	583.0	574.3	568.2	566.5
17.5°	660.9	632.6	610.5	591.9	573.4	557.6	548.7	541.0	533.8	525.6	524.6
20°	631.8	607.4	583.3	566.9	547.9	531.8	520.9	513.2	507.0	502.2	498.1
22.5°	604.3	577.6	555.5	537.5	518.8	505.8	497.2	489.8	484.7	479.4	475.4
25°	560.2	539.2	515.1	494.9	479.4	471.1	464.0	457.5	454.3	450.8	446.3
27.5°	521.5	498.3	475.7	460.0	446.4	439.0	434.0	429.6	426.6	424.6	422.0
30°	494.2	470.7	453.1	437.6	426.4	419.0	415.8	413.2	409.7	408.4	407.1
32.5°	468.0	446.9	431.7	418.4	407.6	402.8	399.8	397.5	394.8	393.5	390.9
35°	430.8	413.2	398.4	391.0	382.3	378.2	375.9	372.6	370.1	368.9	368.5
37.5°	396.0	380.6	370.8	361.4	357.7	355.1	352.1	349.8	349.0	348.9	348.5
40°	373.3	360.8	352.1	344.4	342.8	338.9	336.3	334.4	334.4	334.8	334.4
42.5°	352.8	341.5	333.8	327.2	325.3	323.0	320.4	320.3	320.8	321.8	320.8
45°	321.6	313.5	308.1	304.8	301.3	299.0	298.7	299.7	300.0	300.3	301.3
47.5°	292.8	287.5	282.6	279.1	277.5	277.1	276.7	278.4	279.9	280.5	282.0
50°	275.9	269.8	265.6	263.4	262.1	261.4	262.1	264.0	265.3	266.9	267.9
52.5°	256.8	252.5	249.7	247.9	247.4	247.8	247.9	250.1	252.2	252.7	253.2
55°	230.6	227.3	226.7	223.8	225.1	224.7	226.4	227.6	229.5	231.5	231.9
57.5°	204.3	201.7	200.0	200.3	200.6	202.1	203.4	205.7	207.8	209.7	210.0
60°	186.8	185.5	184.6	184.6	185.2	187.2	188.7	191.0	192.3	193.6	194.5
62.5°	170.9	169.6	168.6	169.1	170.8	171.9	173.8	175.0	176.3	177.6	178.1
65°	145.7	145.0	146.0	146.6	147.0	148.5	150.8	151.8	153.1	153.7	155.9
67.5°	122.4	122.6	122.4	123.4	125.2	125.6	127.7	130.0	130.3	131.5	132.9
70°	106.8	107.4	108.1	108.7	110.3	110.9	112.5	113.5	114.8	115.7	116.8
72.5°	92.4	92.5	93.2	93.0	94.4	95.7	97.1	98.1	99.4	100.6	101.5
75°	71.0	71.0	71.7	72.1	73.6	75.3	74.9	75.6	76.9	78.2	78.8
77.5°	51.9	51.2	51.9	52.2	52.7	54.1	54.3	55.3	56.7	56.3	57.0
80°	39.5	38.6	39.5	39.9	39.9	41.5	41.5	42.1	43.0	42.1	43.0
82.5°	28.2	27.8	28.5	28.6	29.1	29.1	29.6	29.8	30.7	30.3	30.7
85°	14.1	13.9	14.1	13.9	14.1	14.5	14.5	14.1	14.1	14.8	13.9
87.5°	6.4	6.8	7.3	8.2	8.8	9.4	9.0	9.0	8.9	8.3	8.3
90°	10.0	13.3	17.5	21.7	25.8	30.0	29.7	29.3	28.9	28.6	28.4
92.5°	22.0	23.3	24.4	25.3	26.3	27.3	27.4	27.5	27.6	27.6	27.7
95°	52.3	53.5	53.8	54.2	54.6	55.0	55.0	55.0	55.0	55.0	54.8
97.5°	88.3	89.5	90.3	91.0	91.7	92.5	92.5	92.5	92.5	92.5	92.5
100°	115.2	116.3	116.8	117.4	118.0	118.6	118.6	118.6	118.6	118.6	118.5
102.5°	142.8	143.9	144.6	145.3	146.0	146.8	146.9	147.1	147.2	147.4	147.3
105°	187.0	187.5	187.9	188.3	188.6	189.0	189.4	189.8	190.2	190.5	190.7
107.5°	235.2	235.6	235.6	235.6	235.6	235.6	235.7	235.9	236.1	236.2	235.8
110°	266.7	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	266.9



TEST NUMBER: P331313-935

CATALOG NUMBER: S122DIP-S485D925U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	299.6	300.1	300.0	299.8	299.7	299.5	299.1	298.6	298.2	297.7	297.2
115°	348.3	348.6	348.3	347.9	347.5	347.2	347.0	346.7	346.6	346.4	345.9
117.5°	398.3	398.5	397.4	396.3	395.3	394.3	393.7	393.3	392.9	392.4	391.8
120°	430.6	430.6	429.0	427.5	426.0	424.5	424.5	424.5	424.5	424.5	424.2
122.5°	461.3	461.8	460.6	459.6	458.6	457.4	457.0	456.5	456.1	455.6	455.2
125°	507.0	507.6	507.0	506.4	505.8	505.2	504.6	504.1	503.5	502.9	502.6
127.5°	553.6	554.4	553.7	553.0	552.3	551.6	551.0	550.3	549.6	548.9	548.2
130°	583.1	584.1	583.7	583.3	583.0	582.6	582.2	581.8	581.4	581.0	580.5
132.5°	612.9	613.9	614.0	614.1	614.1	614.2	613.4	612.5	611.7	610.8	610.1
135°	655.4	656.7	657.0	657.4	657.8	658.1	658.0	657.8	657.6	657.4	657.0
137.5°	698.4	699.5	700.0	700.5	701.0	701.5	701.4	701.2	701.0	700.9	700.4
140°	725.2	726.5	727.5	728.4	729.4	730.4	730.4	730.4	730.4	730.4	730.0
142.5°	752.7	753.9	754.5	755.2	755.8	756.5	756.6	756.8	756.9	757.1	756.8
145°	790.7	791.9	793.1	794.2	795.4	796.5	796.7	796.9	797.1	797.3	797.0
147.5°	827.0	828.2	829.0	829.7	830.4	831.2	831.6	832.1	832.5	832.9	832.8
150°	849.2	850.2	850.9	851.7	852.5	853.3	853.8	854.4	855.0	855.5	855.5
152.5°	870.6	871.6	872.5	873.4	874.3	875.2	876.0	876.7	877.4	878.1	878.1
155°	900.2	900.8	901.4	901.9	902.5	903.0	904.0	905.0	905.9	906.9	907.1
157.5°	926.8	927.1	927.5	927.8	928.2	928.5	929.8	931.1	932.4	933.7	933.8
160°	943.2	943.6	943.7	943.9	944.1	944.3	945.5	946.6	947.7	948.9	949.1
162.5°	957.2	957.3	957.5	957.7	957.9	958.0	959.3	960.6	961.9	963.2	963.5
165°	976.2	976.1	976.1	976.1	976.1	976.1	977.4	978.8	980.1	981.5	981.6
167.5°	991.5	991.2	991.2	991.1	991.1	991.0	992.4	993.7	995.1	996.3	996.5
170°	1000.4	1000.1	999.9	999.7	999.4	999.3	1000.7	1001.9	1003.3	1004.6	1004.7
172.5°	1006.6	1006.3	1006.1	1005.8	1005.6	1005.5	1006.9	1008.1	1009.5	1010.8	1010.9
175°	1014.2	1013.7	1013.3	1013.0	1012.5	1012.2	1013.5	1014.9	1016.2	1017.5	1017.6
177.5°	1017.7	1017.4	1017.0	1016.8	1016.4	1016.2	1017.0	1018.0	1018.9	1019.8	1019.8
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



TEST NUMBER: P331313-935

CATALOG NUMBER: S122DIP-S485D925U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6
2.5°	802.5	801.9	801.9	799.6	801.9	801.9	802.5	805.0	805.8	806.3	805.3
5°	744.4	743.4	741.8	743.4	741.8	743.4	744.4	748.9	751.1	753.4	755.4
7.5°	687.0	683.1	682.5	678.7	682.5	683.1	687.0	689.1	693.5	698.6	703.3
10°	645.1	642.5	642.1	636.0	642.1	642.5	645.1	650.5	655.0	661.1	667.5
12.5°	613.1	606.9	608.2	604.7	608.2	606.9	613.1	613.2	618.5	622.2	632.3
15°	557.8	557.8	556.6	551.1	556.6	557.8	557.8	566.5	568.2	574.3	583.0
17.5°	518.2	517.5	514.4	516.0	514.4	517.5	518.2	524.6	525.6	533.8	541.0
20°	494.6	492.6	488.8	488.8	488.8	492.6	494.6	498.1	502.2	507.0	513.2
22.5°	472.2	472.0	468.0	469.2	468.0	472.0	472.2	475.4	479.4	484.7	489.8
25°	446.0	443.4	441.5	442.5	441.5	443.4	446.0	446.3	450.8	454.3	457.5
27.5°	421.2	419.7	419.7	417.0	419.7	419.7	421.2	422.0	424.6	426.6	429.6
30°	406.7	403.6	404.2	402.6	404.2	403.6	406.7	407.1	408.4	409.7	413.2
32.5°	390.3	389.2	388.5	387.1	388.5	389.2	390.3	390.9	393.5	394.8	397.5
35°	367.8	368.2	366.5	367.2	366.5	368.2	367.8	368.5	368.9	370.1	372.6
37.5°	348.3	349.3	348.5	348.7	348.5	349.3	348.3	348.5	348.9	349.0	349.8
40°	335.4	335.4	335.4	336.3	335.4	335.4	335.4	334.4	334.8	334.4	334.4
42.5°	323.0	322.5	322.0	321.9	322.0	322.5	323.0	320.8	321.8	320.8	320.3
45°	302.0	302.9	303.2	301.6	303.2	302.9	302.0	301.3	300.3	300.0	299.7
47.5°	282.8	282.9	282.8	284.2	282.8	282.9	282.8	282.0	280.5	279.9	278.4
50°	269.5	268.8	269.5	268.8	269.5	268.8	269.5	267.9	266.9	265.3	264.0
52.5°	255.3	255.5	255.0	254.9	255.0	255.5	255.3	253.2	252.7	252.2	250.1
55°	233.2	233.8	233.4	233.4	233.4	233.8	233.2	231.9	231.5	229.5	227.6
57.5°	210.2	210.8	211.2	209.7	211.2	210.8	210.2	210.0	209.7	207.8	205.7
60°	194.2	195.8	195.5	194.8	195.5	195.8	194.2	194.5	193.6	192.3	191.0
62.5°	179.5	180.1	180.0	179.9	180.0	180.1	179.5	178.1	177.6	176.3	175.0
65°	156.9	157.6	156.6	157.6	156.6	157.6	156.9	155.9	153.7	153.1	151.8
67.5°	132.5	132.8	133.5	133.9	133.5	132.8	132.5	132.9	131.5	130.3	130.0
70°	117.4	117.0	118.0	119.0	118.0	117.0	117.4	116.8	115.7	114.8	113.5
72.5°	101.4	102.1	101.8	102.5	101.8	102.1	101.4	101.5	100.6	99.4	98.1
75°	78.2	79.1	78.8	79.7	78.8	79.1	78.2	78.8	78.2	76.9	75.6
77.5°	56.5	56.6	56.5	57.0	56.5	56.6	56.5	57.0	56.3	56.7	55.3
80°	43.0	42.4	41.8	43.0	41.8	42.4	43.0	43.0	42.1	43.0	42.1
82.5°	30.0	30.4	29.7	29.7	29.7	30.4	30.0	30.7	30.3	30.7	29.8
85°	13.9	13.5	12.8	12.8	12.8	13.5	13.9	13.9	14.8	14.1	14.1
87.5°	8.3	8.1	8.1	7.9	8.1	8.1	8.3	8.3	8.3	8.9	9.0
90°	28.7	28.8	29.0	29.2	29.0	28.8	28.7	28.4	28.6	28.9	29.3
92.5°	27.7	27.7	27.8	27.8	27.8	27.7	27.7	27.7	27.6	27.6	27.5
95°	54.4	54.1	53.6	53.3	53.6	54.1	54.4	54.8	55.0	55.0	55.0
97.5°	92.4	92.4	92.3	92.3	92.3	92.4	92.4	92.5	92.5	92.5	92.5
100°	118.3	118.1	117.9	117.7	117.9	118.1	118.3	118.5	118.6	118.6	118.6
102.5°	147.1	147.0	146.8	146.6	146.8	147.0	147.1	147.3	147.4	147.2	147.1
105°	190.7	190.7	190.7	190.7	190.7	190.7	190.7	190.7	190.5	190.2	189.8
107.5°	235.0	234.1	233.2	232.3	233.2	234.1	235.0	235.8	236.2	236.1	235.9
110°	266.4	265.8	265.2	264.7	265.2	265.8	266.4	266.9	267.3	267.3	267.3



TEST NUMBER: P331313-935

CATALOG NUMBER: S122DIP-S485D925U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	296.9	296.4	296.0	295.6	296.0	296.4	296.9	297.2	297.7	298.2	298.6
115°	345.4	344.8	344.2	343.7	344.2	344.8	345.4	345.9	346.4	346.6	346.7
117.5°	391.3	390.7	390.1	389.6	390.1	390.7	391.3	391.8	392.4	392.9	393.3
120°	423.6	423.0	422.5	421.9	422.5	423.0	423.6	424.2	424.5	424.5	424.5
122.5°	454.8	454.3	453.9	453.5	453.9	454.3	454.8	455.2	455.6	456.1	456.5
125°	502.4	502.1	502.0	501.8	502.0	502.1	502.4	502.6	502.9	503.5	504.1
127.5°	547.6	547.0	546.4	545.8	546.4	547.0	547.6	548.2	548.9	549.6	550.3
130°	579.7	578.9	578.2	577.4	578.2	578.9	579.7	580.5	581.0	581.4	581.8
132.5°	609.5	608.9	608.3	607.7	608.3	608.9	609.5	610.1	610.8	611.7	612.5
135°	656.4	655.9	655.3	654.7	655.3	655.9	656.4	657.0	657.4	657.6	657.8
137.5°	699.6	698.9	698.1	697.3	698.1	698.9	699.6	700.4	700.9	701.0	701.2
140°	729.2	728.4	727.7	726.9	727.7	728.4	729.2	730.0	730.4	730.4	730.4
142.5°	756.0	755.3	754.5	753.7	754.5	755.3	756.0	756.8	757.1	756.9	756.8
145°	796.3	795.5	794.7	793.9	794.7	795.5	796.3	797.0	797.3	797.1	796.9
147.5°	832.1	831.3	830.6	829.8	830.6	831.3	832.1	832.8	832.9	832.5	832.1
150°	855.0	854.4	853.8	853.3	853.8	854.4	855.0	855.5	855.5	855.0	854.4
152.5°	877.4	876.7	876.0	875.2	876.0	876.7	877.4	878.1	878.1	877.4	876.7
155°	906.5	905.9	905.3	904.7	905.3	905.9	906.5	907.1	906.9	905.9	905.0
157.5°	933.0	932.0	931.1	930.2	931.1	932.0	933.0	933.8	933.7	932.4	931.1
160°	948.3	947.5	946.8	946.0	946.8	947.5	948.3	949.1	948.9	947.7	946.6
162.5°	962.5	961.6	960.7	959.8	960.7	961.6	962.5	963.5	963.2	961.9	960.6
165°	980.7	979.7	978.8	977.8	978.8	979.7	980.7	981.6	981.5	980.1	978.8
167.5°	995.6	994.5	993.6	992.6	993.6	994.5	995.6	996.5	996.3	995.1	993.7
170°	1003.6	1002.5	1001.3	1000.1	1001.3	1002.5	1003.6	1004.7	1004.6	1003.3	1001.9
172.5°	1009.8	1008.7	1007.5	1006.3	1007.5	1008.7	1009.8	1010.9	1010.8	1009.5	1008.1
175°	1016.5	1015.3	1014.2	1013.1	1014.2	1015.3	1016.5	1017.6	1017.5	1016.2	1014.9
177.5°	1018.9	1018.0	1017.0	1016.2	1017.0	1018.0	1018.9	1019.8	1019.8	1018.9	1018.0
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



TEST NUMBER: P331313-935

CATALOG NUMBER: S122DIP-S485D925U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6
2.5°	804.0	806.8	811.2	815.8	818.6	824.1	825.6	828.2	830.5	835.9	841.5
5°	757.6	762.1	772.7	778.4	786.5	795.8	801.9	808.4	815.5	827.7	839.0
7.5°	707.8	715.3	728.5	739.3	750.8	764.1	773.8	786.5	797.0	814.2	830.8
10°	674.6	685.2	697.2	710.0	726.1	740.2	753.7	769.8	782.6	803.2	822.5
12.5°	644.8	646.4	663.4	677.6	699.6	717.0	732.6	753.3	765.9	790.4	810.7
15°	592.6	602.3	617.7	629.0	655.0	677.2	699.0	720.6	735.0	765.3	791.9
17.5°	548.7	557.6	573.4	591.9	610.5	632.6	660.9	683.6	703.3	737.8	769.4
20°	520.9	531.8	547.9	566.9	583.3	607.4	631.8	657.9	679.1	718.0	755.0
22.5°	497.2	505.8	518.8	537.5	555.5	577.6	604.3	632.7	655.0	696.9	734.4
25°	464.0	471.1	479.4	494.9	515.1	539.2	560.2	591.3	623.8	663.1	708.3
27.5°	434.0	439.0	446.4	460.0	475.7	498.3	521.5	551.0	583.8	626.3	674.2
30°	415.8	419.0	426.4	437.6	453.1	470.7	494.2	522.5	555.9	599.1	646.6
32.5°	399.8	402.8	407.6	418.4	431.7	446.9	468.0	496.3	528.1	570.5	623.2
35°	375.9	378.2	382.3	391.0	398.4	413.2	430.8	456.6	486.5	527.0	581.7
37.5°	352.1	355.1	357.7	361.4	370.8	380.6	396.0	417.7	447.0	487.9	540.0
40°	336.3	338.9	342.8	344.4	352.1	360.8	373.3	393.2	422.8	460.1	510.9
42.5°	320.4	323.0	325.3	327.2	333.8	341.5	352.8	369.9	396.1	432.4	482.7
45°	298.7	299.0	301.3	304.8	308.1	313.5	321.6	336.3	356.6	390.7	436.4
47.5°	276.7	277.1	277.5	279.1	282.6	287.5	292.8	304.9	323.0	350.3	394.7
50°	262.1	261.4	262.1	263.4	265.6	269.8	275.9	284.6	299.4	324.8	365.6
52.5°	247.9	247.8	247.4	247.9	249.7	252.5	256.8	264.2	277.5	300.8	336.8
55°	226.4	224.7	225.1	223.8	226.7	227.3	230.6	236.7	248.2	264.3	298.1
57.5°	203.4	202.1	200.6	200.3	200.0	201.7	204.3	209.1	218.0	232.1	259.5
60°	188.7	187.2	185.2	184.6	184.6	185.5	186.8	190.4	198.7	211.3	233.8
62.5°	173.8	171.9	170.8	169.1	168.6	169.6	170.9	173.4	179.4	191.2	210.6
65°	150.8	148.5	147.0	146.6	146.0	145.0	145.7	148.3	153.1	162.4	177.8
67.5°	127.7	125.6	125.2	123.4	122.4	122.6	122.4	124.7	127.5	135.5	147.1
70°	112.5	110.9	110.3	108.7	108.1	107.4	106.8	108.7	111.6	118.3	128.3
72.5°	97.1	95.7	94.4	93.0	93.2	92.5	92.4	93.5	95.9	102.1	109.8
75°	74.9	75.3	73.6	72.1	71.7	71.0	71.0	72.1	73.0	77.8	83.9
77.5°	54.3	54.1	52.7	52.2	51.9	51.2	51.9	52.5	53.0	56.3	60.8
80°	41.5	41.5	39.9	39.9	39.5	38.6	39.5	38.9	40.2	43.4	46.7
82.5°	29.6	29.1	29.1	28.6	28.5	27.8	28.2	28.8	29.4	31.6	33.5
85°	14.5	14.5	14.1	13.9	14.1	13.9	14.1	14.5	14.8	15.8	17.4
87.5°	9.0	9.4	8.8	8.2	7.3	6.8	6.4	6.2	6.2	6.0	5.9
90°	29.7	30.0	25.8	21.7	17.5	13.3	10.0	7.7	5.4	3.2	0.9
92.5°	27.4	27.3	26.3	25.3	24.4	23.3	22.0	20.3	18.7	17.0	15.3
95°	55.0	55.0	54.6	54.2	53.8	53.5	52.3	50.4	48.5	46.6	44.7
97.5°	92.5	92.5	91.7	91.0	90.3	89.5	88.3	86.7	85.0	83.3	81.6
100°	118.6	118.6	118.0	117.4	116.8	116.3	115.2	113.7	112.2	110.6	109.1
102.5°	146.9	146.8	146.0	145.3	144.6	143.9	142.8	141.6	140.4	139.2	138.0
105°	189.4	189.0	188.6	188.3	187.9	187.5	187.0	186.5	185.9	185.3	184.8
107.5°	235.7	235.6	235.6	235.6	235.6	235.6	235.2	234.4	233.5	232.6	231.8
110°	267.3	267.3	267.3	267.3	267.3	267.3	266.7	265.5	264.3	263.2	262.1



TEST NUMBER: P331313-935

CATALOG NUMBER: S122DIP-S485D925U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	299.1	299.5	299.7	299.8	300.0	300.1	299.6	298.5	297.4	296.2	295.1
115°	347.0	347.2	347.5	347.9	348.3	348.6	348.3	347.2	345.9	344.8	343.7
117.5°	393.7	394.3	395.3	396.3	397.4	398.5	398.3	396.7	395.2	393.6	392.2
120°	424.5	424.5	426.0	427.5	429.0	430.6	430.6	429.0	427.5	426.0	424.5
122.5°	457.0	457.4	458.6	459.6	460.6	461.8	461.3	459.5	457.7	455.8	454.0
125°	504.6	505.2	505.8	506.4	507.0	507.6	507.0	505.2	503.5	501.8	500.1
127.5°	551.0	551.6	552.3	553.0	553.7	554.4	553.6	551.5	549.3	547.1	544.9
130°	582.2	582.6	583.0	583.3	583.7	584.1	583.1	580.6	578.1	575.6	573.1
132.5°	613.4	614.2	614.1	614.1	614.0	613.9	612.9	610.8	608.8	606.7	604.8
135°	658.0	658.1	657.8	657.4	657.0	656.7	655.4	653.3	651.2	649.1	647.0
137.5°	701.4	701.5	701.0	700.5	700.0	699.5	698.4	696.6	694.9	693.2	691.6
140°	730.4	730.4	729.4	728.4	727.5	726.5	725.2	723.5	721.8	720.1	718.3
142.5°	756.6	756.5	755.8	755.2	754.5	753.9	752.7	751.0	749.2	747.5	745.8
145°	796.7	796.5	795.4	794.2	793.1	791.9	790.7	789.4	788.0	786.7	785.3
147.5°	831.6	831.2	830.4	829.7	829.0	828.2	827.0	825.4	823.8	822.2	820.5
150°	853.8	853.3	852.5	851.7	850.9	850.2	849.2	848.1	846.9	845.8	844.6
152.5°	876.0	875.2	874.3	873.4	872.5	871.6	870.6	869.4	868.2	867.1	865.9
155°	904.0	903.0	902.5	901.9	901.4	900.8	900.2	899.7	899.1	898.5	897.9
157.5°	929.8	928.5	928.2	927.8	927.5	927.1	926.8	926.3	926.0	925.6	925.2
160°	945.5	944.3	944.1	943.9	943.7	943.6	943.2	942.9	942.5	942.1	941.8
162.5°	959.3	958.0	957.9	957.7	957.5	957.3	957.2	957.1	957.0	956.9	956.8
165°	977.4	976.1	976.1	976.1	976.1	976.1	976.2	976.4	976.5	976.8	977.0
167.5°	992.4	991.0	991.1	991.1	991.2	991.2	991.5	992.0	992.6	993.2	993.8
170°	1000.7	999.3	999.4	999.7	999.9	1000.1	1000.4	1001.0	1001.6	1002.1	1002.7
172.5°	1006.9	1005.5	1005.6	1005.8	1006.1	1006.3	1006.6	1007.2	1007.8	1008.3	1008.9
175°	1013.5	1012.2	1012.5	1013.0	1013.3	1013.7	1014.2	1014.8	1015.3	1015.9	1016.5
177.5°	1017.0	1016.2	1016.4	1016.8	1017.0	1017.4	1017.7	1018.2	1018.6	1019.1	1019.6
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



TEST NUMBER: P331313-935

CATALOG NUMBER: S122DIP-S485D925U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6	836.6
2.5°	841.0	842.3	846.4	850.6	855.1	856.4	858.5	856.7	856.2	861.1	864.7
5°	843.4	849.2	860.5	870.7	879.4	885.5	892.0	894.6	899.4	906.1	914.5
7.5°	840.7	852.0	869.7	884.7	901.0	912.7	922.0	929.8	939.3	952.1	966.0
10°	837.7	852.7	874.3	892.6	912.6	927.6	940.2	952.4	966.6	984.3	1002.5
12.5°	832.0	849.9	876.8	898.5	924.1	939.0	955.9	982.2	997.5	1022.1	1047.8
15°	820.6	840.5	878.1	904.8	933.8	962.1	993.2	1018.3	1043.4	1057.9	1094.2
17.5°	803.7	832.9	874.6	905.8	942.5	987.1	1022.1	1050.6	1079.5	1102.9	1121.2
20°	790.1	821.9	869.4	906.8	950.5	998.4	1038.6	1067.6	1092.6	1112.2	1123.5
22.5°	772.8	812.9	859.2	902.9	958.7	1006.2	1048.4	1071.2	1092.1	1101.6	1106.0
25°	745.6	793.9	846.3	899.7	962.7	1012.9	1051.5	1065.3	1071.4	1062.0	1046.6
27.5°	716.4	770.2	831.5	893.6	960.3	1008.5	1036.1	1034.0	1023.6	993.4	969.3
30°	694.6	753.7	819.6	887.4	954.3	1001.3	1017.4	1001.3	977.8	944.1	909.6
32.5°	671.7	732.9	807.0	878.7	943.6	984.8	988.3	960.6	924.3	886.0	843.0
35°	637.0	703.3	783.3	859.2	920.6	946.7	931.2	882.4	839.2	786.9	728.3
37.5°	597.8	671.0	751.2	830.5	886.2	893.0	854.7	803.2	742.4	680.9	612.0
40°	568.5	646.0	728.7	808.7	857.9	850.8	801.9	745.4	673.0	597.8	533.7
42.5°	542.3	619.7	704.0	782.5	821.9	802.5	745.4	675.9	598.1	527.3	468.7
45°	496.8	576.5	662.7	738.6	761.1	726.1	650.5	573.3	496.8	437.6	391.3
47.5°	452.7	531.5	616.8	683.5	691.6	644.4	561.8	482.4	416.6	368.4	335.8
50°	420.3	499.4	583.9	643.4	640.8	583.9	499.0	423.4	368.5	329.6	307.7
52.5°	391.2	465.9	547.2	601.2	587.6	525.6	444.5	377.5	332.3	301.8	282.0
55°	345.9	415.1	492.3	535.7	510.7	441.8	373.3	319.3	285.9	263.0	247.6
57.5°	301.1	365.9	432.0	458.7	431.0	367.5	310.4	271.2	246.1	229.1	219.1
60°	273.3	329.9	388.7	411.9	378.8	322.2	277.2	242.1	221.9	208.0	199.1
62.5°	245.6	296.2	351.7	364.3	334.0	286.2	246.3	217.1	200.5	188.2	179.8
65°	207.8	249.2	291.4	299.7	271.7	234.7	203.2	184.3	169.4	160.5	153.7
67.5°	170.4	203.6	233.5	240.2	215.8	190.1	167.3	150.8	140.8	133.3	127.6
70°	148.3	174.6	199.1	204.5	184.9	162.0	144.7	131.5	122.5	116.1	110.6
72.5°	124.8	146.8	167.1	170.8	154.8	137.3	123.1	112.7	104.8	100.7	95.4
75°	95.5	108.4	124.2	125.1	114.5	103.8	92.9	86.2	82.0	76.9	74.3
77.5°	67.4	77.5	86.5	88.3	82.0	74.7	68.6	63.3	59.8	57.3	55.0
80°	51.5	59.5	63.4	65.6	61.1	56.0	52.4	48.9	46.7	45.0	43.4
82.5°	36.8	41.8	45.4	47.1	44.6	41.6	38.0	36.0	34.3	32.9	32.4
85°	18.7	20.9	23.2	23.8	23.2	21.9	20.0	20.0	18.9	18.7	18.7
87.5°	7.1	8.5	9.0	10.2	10.3	11.2	12.1	12.7	13.3	12.9	12.6
90°	3.2	5.4	7.7	10.0	13.3	17.5	21.7	25.8	30.0	29.7	29.3
92.5°	17.0	18.7	20.3	22.0	23.3	24.4	25.3	26.3	27.3	27.4	27.5
95°	46.6	48.5	50.4	52.3	53.5	53.8	54.2	54.6	55.0	55.0	55.0
97.5°	83.3	85.0	86.7	88.3	89.5	90.3	91.0	91.7	92.5	92.5	92.5
100°	110.6	112.2	113.7	115.2	116.3	116.8	117.4	118.0	118.6	118.6	118.6
102.5°	139.2	140.4	141.6	142.8	143.9	144.6	145.3	146.0	146.8	146.9	147.1
105°	185.3	185.9	186.5	187.0	187.5	187.9	188.3	188.6	189.0	189.4	189.8
107.5°	232.6	233.5	234.4	235.2	235.6	235.6	235.6	235.6	235.6	235.7	235.9
110°	263.2	264.3	265.5	266.7	267.3	267.3	267.3	267.3	267.3	267.3	267.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	296.2	297.4	298.5	299.6	300.1	300.0	299.8	299.7	299.5	299.1	298.6
115°	344.8	345.9	347.2	348.3	348.6	348.3	347.9	347.5	347.2	347.0	346.7
117.5°	393.6	395.2	396.7	398.3	398.5	397.4	396.3	395.3	394.3	393.7	393.3
120°	426.0	427.5	429.0	430.6	430.6	429.0	427.5	426.0	424.5	424.5	424.5
122.5°	455.8	457.7	459.5	461.3	461.8	460.6	459.6	458.6	457.4	457.0	456.5
125°	501.8	503.5	505.2	507.0	507.6	507.0	506.4	505.8	505.2	504.6	504.1
127.5°	547.1	549.3	551.5	553.6	554.4	553.7	553.0	552.3	551.6	551.0	550.3
130°	575.6	578.1	580.6	583.1	584.1	583.7	583.3	583.0	582.6	582.2	581.8
132.5°	606.7	608.8	610.8	612.9	613.9	614.0	614.1	614.1	614.2	613.4	612.5
135°	649.1	651.2	653.3	655.4	656.7	657.0	657.4	657.8	658.1	658.0	657.8
137.5°	693.2	694.9	696.6	698.4	699.5	700.0	700.5	701.0	701.5	701.4	701.2
140°	720.1	721.8	723.5	725.2	726.5	727.5	728.4	729.4	730.4	730.4	730.4
142.5°	747.5	749.2	751.0	752.7	753.9	754.5	755.2	755.8	756.5	756.6	756.8
145°	786.7	788.0	789.4	790.7	791.9	793.1	794.2	795.4	796.5	796.7	796.9
147.5°	822.2	823.8	825.4	827.0	828.2	829.0	829.7	830.4	831.2	831.6	832.1
150°	845.8	846.9	848.1	849.2	850.2	850.9	851.7	852.5	853.3	853.8	854.4
152.5°	867.1	868.2	869.4	870.6	871.6	872.5	873.4	874.3	875.2	876.0	876.7
155°	898.5	899.1	899.7	900.2	900.8	901.4	901.9	902.5	903.0	904.0	905.0
157.5°	925.6	926.0	926.3	926.8	927.1	927.5	927.8	928.2	928.5	929.8	931.1
160°	942.1	942.5	942.9	943.2	943.6	943.7	943.9	944.1	944.3	945.5	946.6
162.5°	956.9	957.0	957.1	957.2	957.3	957.5	957.7	957.9	958.0	959.3	960.6
165°	976.8	976.5	976.4	976.2	976.1	976.1	976.1	976.1	976.1	977.4	978.8
167.5°	993.2	992.6	992.0	991.5	991.2	991.2	991.1	991.1	991.0	992.4	993.7
170°	1002.1	1001.6	1001.0	1000.4	1000.1	999.9	999.7	999.4	999.3	1000.7	1001.9
172.5°	1008.3	1007.8	1007.2	1006.6	1006.3	1006.1	1005.8	1005.6	1005.5	1006.9	1008.1
175°	1015.9	1015.3	1014.8	1014.2	1013.7	1013.3	1013.0	1012.5	1012.2	1013.5	1014.9
177.5°	1019.1	1018.6	1018.2	1017.7	1017.4	1017.0	1016.8	1016.4	1016.2	1017.0	1018.0
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	836.6	836.6	836.6	836.6	836.6	836.6	836.6
2.5°	867.8	871.4	871.4	871.9	876.0	875.6	875.3
5°	923.5	928.9	929.6	935.4	939.3	938.0	934.4
7.5°	976.0	986.2	993.9	998.2	1003.3	1006.4	1005.0
10°	1017.7	1032.5	1041.5	1047.6	1055.0	1060.5	1058.5
12.5°	1055.5	1073.2	1085.5	1096.0	1096.9	1104.0	1099.2
15°	1114.5	1133.2	1135.1	1142.8	1148.9	1148.2	1148.6
17.5°	1133.9	1140.0	1141.2	1141.3	1141.4	1139.2	1134.3
20°	1127.0	1124.8	1119.3	1115.2	1107.8	1106.7	1100.4
22.5°	1094.1	1086.9	1073.2	1064.2	1052.7	1049.6	1047.8
25°	1029.2	1013.5	991.6	970.8	964.9	953.7	956.9
27.5°	940.3	915.8	892.1	875.1	859.8	842.9	847.7
30°	877.8	850.2	816.7	791.0	774.6	758.5	755.6
32.5°	803.2	762.7	725.4	702.7	677.6	667.4	656.3
35°	674.6	635.1	598.1	566.3	547.9	533.7	520.9
37.5°	558.9	513.4	483.5	457.8	444.5	436.4	438.4
40°	487.2	447.3	425.4	405.8	393.6	387.8	389.1
42.5°	429.0	399.2	381.2	367.7	359.1	355.9	355.1
45°	363.0	346.3	331.5	323.8	319.6	316.1	313.8
47.5°	318.1	304.4	296.0	291.4	287.7	284.2	284.1
50°	291.0	282.0	276.2	271.4	268.5	265.9	268.2
52.5°	270.4	262.2	256.4	252.1	251.0	248.7	248.7
55°	239.9	233.4	229.3	225.4	223.5	222.2	220.6
57.5°	212.1	206.0	202.2	199.7	196.0	194.8	194.2
60°	192.3	187.4	183.6	180.4	178.7	176.2	176.2
62.5°	174.0	169.2	165.6	163.2	160.5	159.5	159.7
65°	147.6	143.7	140.2	137.6	137.0	135.1	135.7
67.5°	123.3	120.7	117.0	115.5	114.3	113.3	112.5
70°	107.1	104.5	102.5	100.7	99.7	99.7	99.7
72.5°	93.4	90.3	89.2	86.8	87.3	86.3	85.2
75°	72.3	70.4	69.5	68.4	66.9	66.9	66.9
77.5°	53.2	52.7	51.5	50.5	50.1	49.8	49.9
80°	41.2	40.8	40.2	40.2	39.5	39.3	38.6
82.5°	31.6	30.8	30.4	30.1	30.0	30.0	29.9
85°	18.0	17.4	17.4	17.7	17.0	17.0	17.4
87.5°	12.7	12.7	12.4	12.4	12.7	12.5	12.6
90°	28.9	28.6	28.4	28.7	28.8	29.0	29.2
92.5°	27.6	27.6	27.7	27.7	27.7	27.8	27.8
95°	55.0	55.0	54.8	54.4	54.1	53.6	53.3
97.5°	92.5	92.5	92.5	92.4	92.4	92.3	92.3
100°	118.6	118.6	118.5	118.3	118.1	117.9	117.7
102.5°	147.2	147.4	147.3	147.1	147.0	146.8	146.6
105°	190.2	190.5	190.7	190.7	190.7	190.7	190.7
107.5°	236.1	236.2	235.8	235.0	234.1	233.2	232.3
110°	267.3	267.3	266.9	266.4	265.8	265.2	264.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	298.2	297.7	297.2	296.9	296.4	296.0	295.6
115°	346.6	346.4	345.9	345.4	344.8	344.2	343.7
117.5°	392.9	392.4	391.8	391.3	390.7	390.1	389.6
120°	424.5	424.5	424.2	423.6	423.0	422.5	421.9
122.5°	456.1	455.6	455.2	454.8	454.3	453.9	453.5
125°	503.5	502.9	502.6	502.4	502.1	502.0	501.8
127.5°	549.6	548.9	548.2	547.6	547.0	546.4	545.8
130°	581.4	581.0	580.5	579.7	578.9	578.2	577.4
132.5°	611.7	610.8	610.1	609.5	608.9	608.3	607.7
135°	657.6	657.4	657.0	656.4	655.9	655.3	654.7
137.5°	701.0	700.9	700.4	699.6	698.9	698.1	697.3
140°	730.4	730.4	730.0	729.2	728.4	727.7	726.9
142.5°	756.9	757.1	756.8	756.0	755.3	754.5	753.7
145°	797.1	797.3	797.0	796.3	795.5	794.7	793.9
147.5°	832.5	832.9	832.8	832.1	831.3	830.6	829.8
150°	855.0	855.5	855.5	855.0	854.4	853.8	853.3
152.5°	877.4	878.1	878.1	877.4	876.7	876.0	875.2
155°	905.9	906.9	907.1	906.5	905.9	905.3	904.7
157.5°	932.4	933.7	933.8	933.0	932.0	931.1	930.2
160°	947.7	948.9	949.1	948.3	947.5	946.8	946.0
162.5°	961.9	963.2	963.5	962.5	961.6	960.7	959.8
165°	980.1	981.5	981.6	980.7	979.7	978.8	977.8
167.5°	995.1	996.3	996.5	995.6	994.5	993.6	992.6
170°	1003.3	1004.6	1004.7	1003.6	1002.5	1001.3	1000.1
172.5°	1009.5	1010.8	1010.9	1009.8	1008.7	1007.5	1006.3
175°	1016.2	1017.5	1017.6	1016.5	1015.3	1014.2	1013.1
177.5°	1018.9	1019.8	1019.8	1018.9	1018.0	1017.0	1016.2
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2

(END OF REPORT)