

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: P331919-927

Luminaire Tested: **S123DIP-S560D585U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331919-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S560D585U927-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 585 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3746.4 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

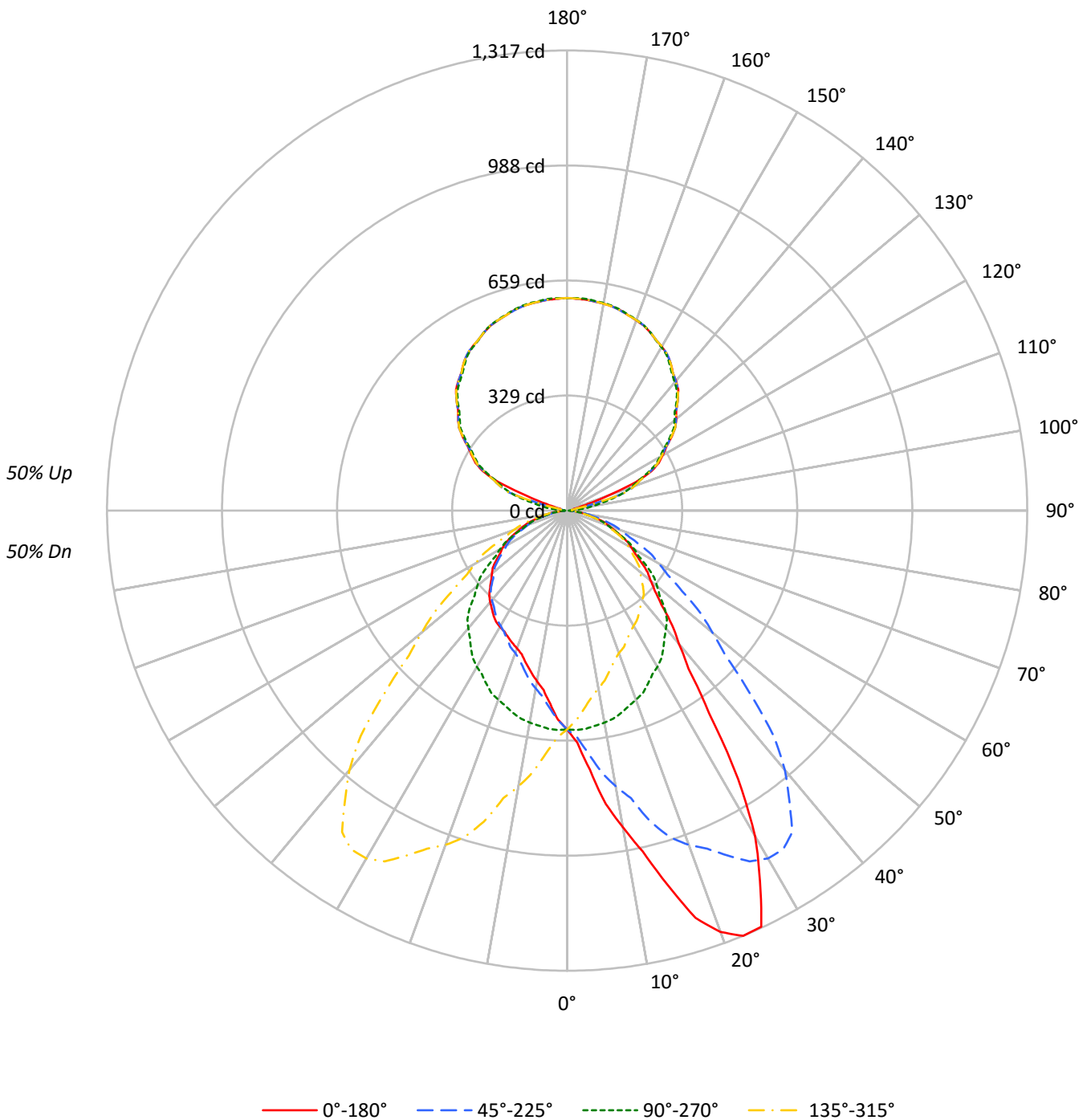
Input Watts (W): 32.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	50
1	98	94	90	87	91	87	84	81	74	71	69	62	60	58	50	49	48	43
2	90	82	76	71	83	76	71	67	65	61	58	54	52	49	45	43	41	37
3	82	73	65	60	75	67	61	56	57	53	49	48	45	42	40	37	35	31
4	75	64	57	51	69	60	53	48	51	46	42	43	39	36	36	33	31	27
5	69	57	49	43	63	53	46	41	46	40	36	39	35	31	32	29	27	24
6	64	52	44	38	58	48	41	36	41	36	32	35	31	28	29	26	24	21
7	59	47	39	33	54	43	36	31	38	32	28	32	28	24	27	23	21	18
8	55	42	35	29	50	40	33	28	34	29	25	29	25	22	25	21	19	16
9	51	39	31	26	47	36	29	25	31	26	22	27	23	20	23	19	17	15
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6740	6740	6740	6740
5°	8038	6769	5999	6769
10°	10061	6735	5418	6735
15°	12340	6681	5045	6681
20°	14701	6596	4803	6596
25°	15610	6494	4749	6494
30°	13380	6418	4774	6418
35°	9305	6311	4824	6311
40°	7009	6185	4808	6185
45°	5820	5999	4748	5999
50°	5213	5620	4706	5620
55°	4874	5210	4647	5210
60°	4573	4781	4598	4781
65°	4297	4358	4452	4358
70°	4028	3877	4239	3877
75°	3606	3394	3889	3394
80°	3155	2783	3347	2783
85°	2470	2025	2248	2025



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	1.6
10°-20°	197.8	5.3
20°-30°	332.0	8.9
30°-40°	375.9	10.0
40°-50°	337.1	9.0
50°-60°	272.0	7.3
60°-70°	189.6	5.1
70°-80°	99.6	2.7
80°-90°	26.1	0.7
90°-100°	22.1	0.6
100°-110°	105.4	2.8
110°-120°	253.1	6.8
120°-130°	322.3	8.6
130°-140°	344.4	9.2
140°-150°	322.0	8.6
150°-160°	259.8	6.9
160°-170°	167.7	4.5
170°-180°	57.8	1.5
0°-30°	591.5	15.8
0°-40°	967.4	25.8
0°-60°	1576.5	42.1
0°-90°	1891.8	50.5
90°-120°	380.6	10.2
90°-150°	1369.4	36.6
90°-180°	1855.0	49.5
0°-180°	3746.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	626	626	626	626	626	
5°	744	626	555	626	744	77
15°	1107	600	453	600	1107	320
25°	1314	547	400	547	1314	576
35°	708	480	367	480	708	460
45°	382	394	312	394	382	303
55°	260	278	248	278	260	233
65°	169	171	175	171	169	168
75°	87	82	94	82	87	93
85°	20	16	18	16	20	24
90°	14	0	14	0	14	7
95°	17	28	17	28	17	14
105°	20	135	20	135	20	45
115°	266	252	266	252	266	246
125°	363	356	363	356	363	324
135°	448	443	448	443	448	345
145°	516	511	516	511	516	322
155°	562	563	562	563	562	259
165°	593	594	593	594	593	167
175°	606	608	606	608	606	58
180°	608	608	608	608	608	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	664.6	664.1	662.9	663.8	661.9	659.3	659.0	656.6	649.5	649.0	647.1
5°	743.9	741.5	741.2	740.9	736.7	730.9	719.9	719.1	704.5	697.2	688.4
7.5°	846.8	848.0	843.6	839.7	826.7	818.2	806.4	791.5	773.6	755.4	743.3
10°	920.5	930.5	918.1	909.6	901.7	886.8	869.6	848.0	826.5	801.3	782.2
12.5°	999.7	1004.6	1002.1	994.0	981.8	959.2	928.5	904.8	884.9	843.0	826.1
15°	1107.4	1125.9	1114.1	1086.8	1087.4	1065.9	1025.8	981.8	958.5	921.7	871.6
17.5°	1222.3	1224.6	1219.5	1196.7	1181.5	1152.0	1115.0	1072.9	1025.5	981.1	928.0
20°	1283.4	1281.6	1271.0	1259.1	1233.0	1210.0	1169.6	1122.6	1061.9	1018.2	960.3
22.5°	1317.4	1314.3	1309.3	1299.4	1277.7	1252.9	1216.7	1165.3	1107.6	1047.3	980.4
25°	1314.3	1318.3	1318.9	1316.1	1308.6	1293.7	1265.2	1224.2	1166.6	1089.3	1019.5
27.5°	1195.4	1200.9	1217.2	1231.6	1247.7	1264.0	1261.9	1241.5	1198.9	1132.0	1046.7
30°	1076.5	1064.3	1094.4	1132.3	1158.1	1203.6	1229.1	1230.6	1206.7	1149.3	1066.1
32.5°	911.4	924.8	938.0	984.7	1041.1	1092.2	1142.9	1183.8	1188.4	1150.2	1077.5
35°	708.1	724.8	749.1	773.4	834.1	886.2	975.4	1053.1	1115.0	1123.2	1078.6
37.5°	570.6	578.9	594.2	618.5	658.2	720.2	789.2	887.3	977.0	1043.7	1046.6
40°	498.8	501.2	518.5	537.0	569.2	620.1	682.4	769.1	876.5	969.7	1008.5
42.5°	444.9	450.3	457.6	475.4	501.0	539.3	597.1	668.9	767.3	874.5	950.5
45°	382.3	388.3	392.9	404.7	422.9	448.7	489.1	554.6	629.5	740.3	842.6
47.5°	340.9	341.4	344.8	353.7	366.1	385.5	414.0	456.1	524.9	614.7	719.7
50°	311.3	316.2	317.3	324.3	334.1	348.3	372.0	407.7	464.2	543.1	639.6
52.5°	290.4	291.8	295.2	300.3	308.8	319.9	340.4	368.4	412.7	480.0	568.7
55°	259.7	259.7	263.1	267.0	271.9	281.9	295.5	316.2	349.8	402.0	475.5
57.5°	231.3	232.8	235.2	236.4	240.5	247.2	258.6	274.3	299.4	339.5	397.9
60°	212.4	215.1	214.8	217.2	220.9	226.0	235.8	248.5	270.9	303.1	352.3
62.5°	195.9	195.7	195.7	198.5	202.2	207.1	213.4	224.4	243.5	272.0	313.9
65°	168.7	168.1	170.2	172.1	173.3	176.9	181.7	191.5	204.2	225.5	257.9
67.5°	144.6	142.8	143.9	144.6	146.6	149.5	154.0	160.0	170.2	187.2	211.7
70°	128.0	126.5	126.2	126.8	128.7	130.8	134.1	139.9	149.2	163.0	180.9
72.5°	111.1	110.0	110.0	111.3	112.2	113.5	115.9	121.2	128.7	138.9	155.6
75°	86.7	86.7	86.7	87.1	88.0	89.2	91.0	93.7	99.5	106.8	118.0
77.5°	65.0	65.0	64.6	64.6	65.9	66.5	66.9	69.4	72.6	77.6	85.7
80°	50.9	49.4	50.1	50.9	51.6	51.9	52.8	53.4	56.2	58.9	64.6
82.5°	37.9	36.6	36.7	38.1	38.3	38.5	39.5	40.3	41.4	43.8	46.9
85°	20.0	20.0	20.4	20.4	20.6	20.4	21.2	21.5	21.5	23.1	24.9
87.5°	10.0	9.5	9.7	9.9	9.6	9.7	9.9	10.1	10.3	10.5	10.4
90°	13.5	13.4	13.2	13.0	12.8	12.4	12.0	11.6	11.2	10.9	9.5
92.5°	15.0	14.9	14.7	14.7	14.5	14.1	13.5	12.8	12.2	11.6	10.6
95°	17.2	17.2	17.2	17.2	17.2	16.8	16.1	15.4	14.7	14.0	12.9
97.5°	18.6	18.5	18.4	18.3	18.2	17.7	17.0	16.2	15.4	14.6	21.8
100°	19.0	18.9	18.8	18.7	18.5	18.1	17.3	16.5	15.7	14.9	30.6
102.5°	19.3	19.2	19.0	18.8	18.6	19.8	22.3	24.7	27.3	29.7	46.8
105°	19.9	19.6	19.5	19.3	19.1	27.9	45.6	63.4	81.2	98.9	108.0
107.5°	62.4	75.8	89.2	102.6	116.1	129.2	142.3	155.3	168.3	181.3	179.9
110°	124.2	138.6	153.0	167.3	181.6	190.5	193.8	197.2	200.4	203.7	202.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	213.2	216.2	219.2	222.3	225.3	226.8	226.7	226.6	226.6	226.6	225.5
115°	265.7	265.3	264.9	264.4	264.0	263.4	262.4	261.3	260.4	259.4	258.4
117.5°	295.2	295.1	295.0	294.9	294.9	294.4	293.6	292.8	292.0	291.1	290.7
120°	315.4	315.4	315.4	315.4	315.4	315.0	314.2	313.4	312.6	311.7	311.5
122.5°	335.3	335.2	335.1	335.0	334.9	334.6	334.1	333.5	333.0	332.4	332.0
125°	363.3	363.1	362.9	362.7	362.5	362.3	362.0	361.9	361.6	361.5	361.1
127.5°	390.2	390.4	390.6	390.8	391.0	390.9	390.6	390.3	390.0	389.7	389.2
130°	407.6	407.7	408.0	408.1	408.4	408.2	407.8	407.4	407.0	406.6	406.2
132.5°	423.4	423.7	424.0	424.3	424.6	424.5	424.1	423.7	423.3	422.9	422.6
135°	447.7	448.1	448.4	448.7	448.9	448.9	448.7	448.4	448.1	447.7	447.3
137.5°	470.6	470.8	471.0	471.2	471.4	471.3	470.8	470.3	469.8	469.4	469.1
140°	484.3	484.6	484.7	485.0	485.1	485.1	484.7	484.3	483.9	483.5	483.2
142.5°	497.0	497.3	497.6	497.9	498.1	498.1	497.8	497.5	497.2	496.9	496.5
145°	516.4	516.4	516.4	516.4	516.4	516.3	516.1	515.9	515.7	515.6	515.3
147.5°	530.9	531.4	531.8	532.3	532.7	532.9	532.7	532.5	532.3	532.1	531.9
150°	541.8	542.0	542.3	542.6	543.0	543.0	542.8	542.6	542.4	542.2	542.0
152.5°	550.4	550.9	551.4	551.8	552.2	552.3	551.9	551.6	551.2	550.9	550.7
155°	562.5	563.2	563.7	564.4	564.9	565.0	564.5	564.0	563.5	563.0	562.8
157.5°	572.7	573.5	574.3	575.0	575.8	576.0	575.4	574.7	574.2	573.5	573.6
160°	579.2	580.0	580.7	581.4	582.0	582.1	581.5	580.9	580.3	579.7	579.8
162.5°	585.4	586.0	586.6	587.2	587.9	587.9	587.2	586.5	585.8	585.1	585.2
165°	592.8	593.5	594.2	594.9	595.6	595.6	594.8	594.0	593.2	592.3	592.5
167.5°	598.1	599.0	599.8	600.6	601.3	601.3	600.6	599.8	599.0	598.1	598.1
170°	601.3	602.2	603.0	603.8	604.6	604.6	603.8	603.0	602.2	601.3	601.3
172.5°	603.2	604.0	605.0	605.9	606.7	606.7	605.9	605.1	604.4	603.6	603.5
175°	605.9	606.7	607.5	608.3	609.1	609.2	608.5	607.8	607.0	606.3	606.3
177.5°	606.7	607.5	608.3	609.1	609.9	610.0	609.3	608.7	608.1	607.4	607.4
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	645.6	643.7	641.7	638.3	635.4	631.3	630.1	628.7	624.3	620.4	617.5
5°	685.1	677.8	667.2	657.4	649.6	639.0	632.9	626.5	617.4	609.3	602.5
7.5°	726.4	712.0	695.5	677.7	661.1	645.0	632.1	620.6	607.8	595.7	586.4
10°	759.1	738.5	715.4	690.5	669.3	648.6	631.4	616.2	599.8	585.6	573.7
12.5°	796.5	765.9	734.1	703.9	678.7	650.1	629.2	609.9	591.4	574.2	560.9
15°	840.7	801.9	764.3	722.7	684.4	648.6	623.8	599.5	578.0	560.4	543.4
17.5°	881.0	837.0	787.4	736.9	690.8	648.3	613.5	586.1	559.1	537.6	520.6
20°	903.8	853.7	797.6	745.1	694.2	646.8	608.6	575.8	546.8	523.9	504.9
22.5°	923.5	864.9	806.8	750.8	694.0	642.9	599.7	565.9	534.3	512.1	491.8
25°	943.9	873.8	815.6	749.7	686.3	633.5	584.9	546.8	515.2	489.1	468.2
27.5°	961.4	873.2	804.1	733.2	674.3	621.4	569.6	528.5	495.0	466.7	445.4
30°	973.0	874.4	792.2	722.1	662.7	608.0	557.6	516.4	481.2	452.3	432.4
32.5°	980.3	873.7	781.3	706.5	644.2	595.9	544.8	502.1	465.9	437.6	418.3
35°	984.5	868.3	762.5	674.5	614.4	567.4	524.6	480.3	442.4	416.0	394.1
37.5°	976.0	857.1	740.6	643.5	577.7	531.5	495.4	457.7	421.4	392.4	373.5
40°	962.7	849.9	723.6	621.7	552.5	507.9	477.3	440.2	404.4	376.8	359.3
42.5°	937.2	835.0	705.0	597.4	526.2	481.6	453.4	422.6	388.6	362.7	345.2
45°	875.0	802.8	676.9	561.0	487.6	441.5	416.6	394.1	363.5	338.3	323.1
47.5°	788.7	754.3	636.4	522.6	447.2	402.8	376.9	358.9	336.4	316.2	301.6
50°	728.8	714.5	609.0	496.4	420.2	376.8	352.0	335.6	319.5	299.1	285.8
52.5°	659.6	668.4	576.9	469.2	392.8	350.1	326.7	313.7	299.1	282.4	270.8
55°	562.2	594.1	521.6	423.6	352.0	311.3	289.1	277.6	269.1	256.7	246.7
57.5°	471.0	511.5	461.7	376.5	311.8	276.8	255.6	243.0	237.5	231.0	223.2
60°	416.8	456.9	419.0	345.0	284.9	251.5	232.7	222.1	216.7	212.1	205.4
62.5°	368.6	409.1	377.2	312.9	258.4	227.5	211.1	200.7	196.5	194.1	188.4
65°	302.2	337.1	315.8	263.1	220.5	193.3	178.4	171.1	167.2	166.3	162.6
67.5°	246.0	272.5	257.1	218.2	184.7	161.1	148.5	142.4	139.3	139.0	136.3
70°	209.1	233.9	222.1	186.9	158.0	139.6	128.7	123.2	121.4	121.0	119.5
72.5°	180.4	197.7	188.4	159.0	136.7	119.9	111.9	106.2	104.1	104.6	103.5
75°	133.5	146.6	141.1	120.7	102.8	91.9	85.2	81.6	79.8	80.7	79.5
77.5°	96.1	104.3	99.4	85.3	74.3	66.4	61.5	59.3	57.6	57.5	57.0
80°	72.5	77.4	74.6	66.1	57.0	50.4	46.4	44.9	44.0	43.7	43.4
82.5°	51.7	55.8	52.5	46.7	40.6	36.5	34.3	32.3	31.6	31.8	31.5
85°	26.1	27.6	26.4	22.7	20.4	18.5	17.3	16.4	15.8	16.1	15.4
87.5°	10.6	10.6	9.6	8.4	7.8	6.8	6.6	5.9	5.6	5.9	5.8
90°	8.2	6.9	5.6	4.4	3.5	2.5	1.4	0.5	1.4	2.5	3.5
92.5°	9.6	8.6	7.6	7.3	7.5	7.8	8.2	8.4	8.2	7.8	7.5
95°	11.8	10.7	9.6	11.1	15.2	19.3	23.4	27.6	23.4	19.3	15.2
97.5°	29.0	36.2	43.5	48.0	49.8	51.7	53.6	55.4	53.6	51.7	49.8
100°	46.3	61.9	77.6	84.4	82.4	80.4	78.3	76.4	78.3	80.4	82.4
102.5°	63.9	81.0	98.2	106.0	104.6	103.1	101.6	100.2	101.6	103.1	104.6
105°	117.0	126.0	135.1	139.0	137.9	136.9	135.8	134.7	135.8	136.9	137.9
107.5°	178.5	177.1	175.6	174.5	173.6	172.8	171.8	171.0	171.8	172.8	173.6
110°	201.5	200.4	199.4	198.4	197.6	196.8	196.0	195.2	196.0	196.8	197.6



TEST NUMBER: P331919-927

CATALOG NUMBER: S123DIP-S560D585U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	224.3	223.2	222.1	221.2	220.5	219.8	219.0	218.3	219.0	219.8	220.5
115°	257.5	256.7	255.7	255.0	254.4	253.7	253.2	252.5	253.2	253.7	254.4
117.5°	290.3	289.8	289.3	288.7	288.0	287.2	286.5	285.7	286.5	287.2	288.0
120°	311.2	310.9	310.5	310.0	309.0	308.2	307.2	306.3	307.2	308.2	309.0
122.5°	331.6	331.2	330.8	330.3	329.5	328.8	328.0	327.3	328.0	328.8	329.5
125°	360.7	360.3	359.9	359.3	358.5	357.7	356.9	356.0	356.9	357.7	358.5
127.5°	388.7	388.2	387.7	387.1	386.3	385.5	384.7	383.9	384.7	385.5	386.3
130°	405.8	405.4	405.0	404.4	403.6	402.8	402.0	401.2	402.0	402.8	403.6
132.5°	422.2	421.9	421.6	421.0	420.3	419.5	418.7	417.9	418.7	419.5	420.3
135°	446.9	446.6	446.2	445.7	445.0	444.4	443.9	443.2	443.9	444.4	445.0
137.5°	468.9	468.7	468.5	467.9	467.2	466.4	465.7	464.9	465.7	466.4	467.2
140°	482.8	482.5	482.3	481.8	481.2	480.6	480.0	479.3	480.0	480.6	481.2
142.5°	496.2	495.9	495.6	495.2	494.6	494.0	493.4	492.7	493.4	494.0	494.6
145°	515.2	514.9	514.8	514.3	513.6	512.9	512.1	511.4	512.1	512.9	513.6
147.5°	531.6	531.5	531.2	530.9	530.4	530.0	529.6	529.1	529.6	530.0	530.4
150°	541.8	541.6	541.4	541.1	540.8	540.5	540.3	540.0	540.3	540.5	540.8
152.5°	550.6	550.5	550.4	550.2	550.1	549.9	549.9	549.7	549.9	549.9	550.1
155°	562.8	562.7	562.6	562.6	562.8	563.0	563.2	563.4	563.2	563.0	562.8
157.5°	573.8	573.9	573.9	574.0	574.0	574.0	574.1	574.1	574.1	574.0	574.0
160°	579.9	580.0	580.1	580.2	580.3	580.4	580.5	580.6	580.5	580.4	580.3
162.5°	585.3	585.4	585.5	585.7	586.0	586.2	586.5	586.8	586.5	586.2	586.0
165°	592.6	592.6	592.7	592.9	593.3	593.6	593.8	594.1	593.8	593.6	593.3
167.5°	598.1	598.1	598.1	598.3	598.7	599.1	599.5	599.9	599.5	599.1	598.7
170°	601.3	601.3	601.3	601.6	602.0	602.4	602.8	603.2	602.8	602.4	602.0
172.5°	603.4	603.3	603.2	603.4	603.9	604.4	604.9	605.4	604.9	604.4	603.9
175°	606.2	606.0	605.9	606.2	606.7	607.1	607.7	608.2	607.7	607.1	606.7
177.5°	607.3	607.2	607.1	607.3	607.7	608.1	608.5	608.9	608.5	608.1	607.7
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



TEST NUMBER: P331919-927

CATALOG NUMBER: S123DIP-S560D585U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	615.8	614.1	611.6	608.0	605.1	600.5	600.5	601.2	601.2	600.9	600.5
5°	597.1	592.6	587.1	580.7	574.0	567.4	566.2	563.7	561.9	560.7	559.2
7.5°	577.3	569.3	561.3	552.5	544.3	537.6	532.9	529.0	526.5	523.9	521.9
10°	564.0	554.0	544.6	535.2	524.9	516.7	511.5	507.9	505.2	502.7	501.5
12.5°	548.3	536.8	526.4	517.5	506.2	497.7	492.8	491.2	487.9	482.8	480.1
15°	525.2	514.6	502.2	488.5	483.0	472.7	466.9	464.2	462.4	458.4	457.2
17.5°	505.5	491.5	477.6	467.4	457.2	448.9	445.7	442.3	439.9	436.7	435.7
20°	489.7	477.3	464.5	453.6	443.0	433.9	431.1	428.7	426.3	424.8	423.6
22.5°	473.6	461.2	450.7	440.5	429.1	423.2	420.2	417.6	415.8	414.8	413.6
25°	451.1	440.2	428.4	419.3	410.2	406.2	404.4	402.9	401.7	400.2	399.9
27.5°	431.0	419.1	409.6	401.0	394.5	391.2	389.4	388.7	389.0	389.5	389.8
30°	416.0	405.0	397.1	389.8	383.8	380.8	380.5	380.5	381.7	382.0	382.6
32.5°	402.1	393.2	385.2	378.2	373.6	371.5	372.7	372.7	373.7	374.5	375.6
35°	382.0	374.1	368.0	361.9	358.0	358.9	359.5	360.1	361.6	363.5	364.7
37.5°	362.7	355.9	349.6	344.8	343.0	344.7	346.1	347.4	349.2	350.5	351.7
40°	348.9	343.7	337.7	333.4	334.1	334.9	336.2	337.7	339.2	340.1	341.4
42.5°	336.0	330.7	326.1	322.5	323.4	324.6	325.3	326.1	327.8	329.5	330.2
45°	316.5	312.2	307.9	305.9	306.4	307.0	307.7	308.6	310.1	311.3	311.6
47.5°	294.5	291.4	288.6	286.5	287.5	287.2	288.0	290.0	290.5	291.2	292.9
50°	280.4	277.6	274.3	273.7	273.7	273.7	273.9	276.4	276.4	277.6	278.8
52.5°	264.8	263.1	260.9	259.8	259.4	259.4	260.6	261.8	262.3	264.0	265.2
55°	241.8	240.0	238.2	237.3	236.6	237.3	239.7	240.3	241.8	242.7	243.6
57.5°	217.9	216.4	215.0	214.5	214.4	215.2	216.5	218.3	218.7	221.5	222.8
60°	202.1	199.9	198.8	198.8	198.1	200.8	200.3	203.3	203.9	205.7	207.9
62.5°	185.8	182.9	182.4	182.4	183.3	184.1	185.0	186.3	187.9	190.2	191.8
65°	159.6	158.0	160.2	159.9	159.3	161.1	161.1	162.6	164.5	166.6	169.9
67.5°	134.8	134.0	134.2	134.2	135.1	136.1	137.0	138.3	140.5	142.8	144.9
70°	118.0	118.9	117.4	118.7	119.5	119.9	120.4	122.2	124.7	126.2	128.7
72.5°	101.8	101.7	101.9	102.3	103.3	103.9	104.4	106.5	109.2	110.4	112.4
75°	78.3	78.0	78.9	78.9	80.4	81.0	81.6	82.5	84.9	86.7	88.3
77.5°	57.2	57.5	57.4	58.4	58.0	58.1	60.0	60.8	61.1	64.7	65.5
80°	43.1	43.7	44.0	44.3	44.6	44.0	46.1	47.1	47.1	49.1	50.7
82.5°	31.0	31.3	32.1	32.4	32.5	33.0	33.3	33.9	34.6	35.6	37.5
85°	15.4	16.4	16.7	16.4	16.7	16.1	17.0	17.3	17.6	17.6	17.6
87.5°	5.8	6.3	6.3	6.7	6.7	7.3	7.4	7.0	7.1	7.8	6.9
90°	4.4	5.6	6.9	8.2	9.5	10.9	11.2	11.6	12.0	12.4	12.8
92.5°	7.3	7.6	8.6	9.6	10.6	11.6	12.2	12.8	13.5	14.1	14.5
95°	11.1	9.6	10.7	11.8	12.9	14.0	14.7	15.4	16.1	16.8	17.2
97.5°	48.0	43.5	36.2	29.0	21.8	14.6	15.4	16.2	17.0	17.7	18.2
100°	84.4	77.6	61.9	46.3	30.6	14.9	15.7	16.5	17.3	18.1	18.5
102.5°	106.0	98.2	81.0	63.9	46.8	29.7	27.3	24.7	22.3	19.8	18.6
105°	139.0	135.1	126.0	117.0	108.0	98.9	81.2	63.4	45.6	27.9	19.1
107.5°	174.5	175.6	177.1	178.5	179.9	181.3	168.3	155.3	142.3	129.2	116.1
110°	198.4	199.4	200.4	201.5	202.6	203.7	200.4	197.2	193.8	190.5	181.6



TEST NUMBER: P331919-927

CATALOG NUMBER: S123DIP-S560D585U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	221.2	222.1	223.2	224.3	225.5	226.6	226.6	226.6	226.7	226.8	225.3
115°	255.0	255.7	256.7	257.5	258.4	259.4	260.4	261.3	262.4	263.4	264.0
117.5°	288.7	289.3	289.8	290.3	290.7	291.1	292.0	292.8	293.6	294.4	294.9
120°	310.0	310.5	310.9	311.2	311.5	311.7	312.6	313.4	314.2	315.0	315.4
122.5°	330.3	330.8	331.2	331.6	332.0	332.4	333.0	333.5	334.1	334.6	334.9
125°	359.3	359.9	360.3	360.7	361.1	361.5	361.6	361.9	362.0	362.3	362.5
127.5°	387.1	387.7	388.2	388.7	389.2	389.7	390.0	390.3	390.6	390.9	391.0
130°	404.4	405.0	405.4	405.8	406.2	406.6	407.0	407.4	407.8	408.2	408.4
132.5°	421.0	421.6	421.9	422.2	422.6	422.9	423.3	423.7	424.1	424.5	424.6
135°	445.7	446.2	446.6	446.9	447.3	447.7	448.1	448.4	448.7	448.9	448.9
137.5°	467.9	468.5	468.7	468.9	469.1	469.4	469.8	470.3	470.8	471.3	471.4
140°	481.8	482.3	482.5	482.8	483.2	483.5	483.9	484.3	484.7	485.1	485.1
142.5°	495.2	495.6	495.9	496.2	496.5	496.9	497.2	497.5	497.8	498.1	498.1
145°	514.3	514.8	514.9	515.2	515.3	515.6	515.7	515.9	516.1	516.3	516.4
147.5°	530.9	531.2	531.5	531.6	531.9	532.1	532.3	532.5	532.7	532.9	532.7
150°	541.1	541.4	541.6	541.8	542.0	542.2	542.4	542.6	542.8	543.0	543.0
152.5°	550.2	550.4	550.5	550.6	550.7	550.9	551.2	551.6	551.9	552.3	552.2
155°	562.6	562.6	562.7	562.8	562.8	563.0	563.5	564.0	564.5	565.0	564.9
157.5°	574.0	573.9	573.9	573.8	573.6	573.5	574.2	574.7	575.4	576.0	575.8
160°	580.2	580.1	580.0	579.9	579.8	579.7	580.3	580.9	581.5	582.1	582.0
162.5°	585.7	585.5	585.4	585.3	585.2	585.1	585.8	586.5	587.2	587.9	587.9
165°	592.9	592.7	592.6	592.6	592.5	592.3	593.2	594.0	594.8	595.6	595.6
167.5°	598.3	598.1	598.1	598.1	598.1	598.1	599.0	599.8	600.6	601.3	601.3
170°	601.6	601.3	601.3	601.3	601.3	601.3	602.2	603.0	603.8	604.6	604.6
172.5°	603.4	603.2	603.3	603.4	603.5	603.6	604.4	605.1	605.9	606.7	606.7
175°	606.2	605.9	606.0	606.2	606.3	606.3	607.0	607.8	608.5	609.2	609.1
177.5°	607.3	607.1	607.2	607.3	607.4	607.4	608.1	608.7	609.3	610.0	609.9
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



TEST NUMBER: P331919-927

CATALOG NUMBER: S123DIP-S560D585U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	598.8	598.6	600.2	599.0	600.2	598.6	598.8	600.5	600.9	601.2	601.2
5°	557.4	558.3	555.2	555.2	555.2	558.3	557.4	559.2	560.7	561.9	563.7
7.5°	520.5	519.1	519.3	517.6	519.3	519.1	520.5	521.9	523.9	526.5	529.0
10°	497.9	496.1	495.4	495.7	495.4	496.1	497.9	501.5	502.7	505.2	507.9
12.5°	479.2	478.8	474.8	474.9	474.8	478.8	479.2	480.1	482.8	487.9	491.2
15°	457.2	451.5	450.8	452.7	450.8	451.5	457.2	457.2	458.4	462.4	464.2
17.5°	435.2	432.1	432.4	431.4	432.4	432.1	435.2	435.7	436.7	439.9	442.3
20°	423.6	421.8	421.4	419.3	421.4	421.8	423.6	423.6	424.8	426.3	428.7
22.5°	412.9	412.3	412.4	410.1	412.4	412.3	412.9	413.6	414.8	415.8	417.6
25°	399.6	401.1	399.9	399.9	399.9	401.1	399.6	399.9	400.2	401.7	402.9
27.5°	390.6	390.5	389.9	389.9	389.9	390.5	390.6	389.8	389.5	389.0	388.7
30°	383.8	383.5	384.1	384.1	384.1	383.5	383.8	382.6	382.0	381.7	380.5
32.5°	377.0	377.4	377.6	377.8	377.6	377.4	377.0	375.6	374.5	373.7	372.7
35°	366.5	366.8	367.7	367.1	367.7	366.8	366.5	364.7	363.5	361.6	360.1
37.5°	352.3	353.7	353.4	353.9	353.4	353.7	352.3	351.7	350.5	349.2	347.4
40°	341.7	342.5	342.2	342.2	342.2	342.5	341.7	341.4	340.1	339.2	337.7
42.5°	330.7	331.4	330.6	330.1	330.6	331.4	330.7	330.2	329.5	327.8	326.1
45°	312.8	312.2	313.1	311.9	313.1	312.2	312.8	311.6	311.3	310.1	308.6
47.5°	292.8	293.4	293.7	294.5	293.7	293.4	292.8	292.9	291.2	290.5	290.0
50°	279.4	281.2	281.2	281.0	281.2	281.2	279.4	278.8	277.6	276.4	276.4
52.5°	266.3	267.2	268.4	268.3	268.4	267.2	266.3	265.2	264.0	262.3	261.8
55°	246.1	246.7	247.2	247.6	247.2	246.7	246.1	243.6	242.7	241.8	240.3
57.5°	225.1	224.8	226.2	226.7	226.2	224.8	225.1	222.8	221.5	218.7	218.3
60°	210.2	210.2	212.7	213.6	212.7	210.2	210.2	207.9	205.7	203.9	203.3
62.5°	194.5	195.4	197.9	196.6	197.9	195.4	194.5	191.8	190.2	187.9	186.3
65°	171.4	173.9	173.6	174.8	173.6	173.9	171.4	169.9	166.6	164.5	162.6
67.5°	147.3	148.9	151.1	151.2	151.1	148.9	147.3	144.9	142.8	140.5	138.3
70°	131.1	132.6	133.8	134.7	133.8	132.6	131.1	128.7	126.2	124.7	122.2
72.5°	115.3	116.1	119.0	117.7	119.0	116.1	115.3	112.4	110.4	109.2	106.5
75°	90.4	92.5	94.3	93.5	94.3	92.5	90.4	88.3	86.7	84.9	82.5
77.5°	66.9	69.0	69.9	69.1	69.9	69.0	66.9	65.5	64.7	61.1	60.8
80°	52.8	52.5	54.3	54.0	54.3	52.5	52.8	50.7	49.1	47.1	47.1
82.5°	38.7	38.4	39.3	39.5	39.3	38.4	38.7	37.5	35.6	34.6	33.9
85°	18.8	19.7	18.5	18.2	18.5	19.7	18.8	17.6	17.6	17.6	17.3
87.5°	7.0	7.0	6.8	6.6	6.8	7.0	7.0	6.9	7.8	7.1	7.0
90°	13.0	13.2	13.4	13.5	13.4	13.2	13.0	12.8	12.4	12.0	11.6
92.5°	14.7	14.7	14.9	15.0	14.9	14.7	14.7	14.5	14.1	13.5	12.8
95°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	16.8	16.1	15.4
97.5°	18.3	18.4	18.5	18.6	18.5	18.4	18.3	18.2	17.7	17.0	16.2
100°	18.7	18.8	18.9	19.0	18.9	18.8	18.7	18.5	18.1	17.3	16.5
102.5°	18.8	19.0	19.2	19.3	19.2	19.0	18.8	18.6	19.8	22.3	24.7
105°	19.3	19.5	19.6	19.9	19.6	19.5	19.3	19.1	27.9	45.6	63.4
107.5°	102.6	89.2	75.8	62.4	75.8	89.2	102.6	116.1	129.2	142.3	155.3
110°	167.3	153.0	138.6	124.2	138.6	153.0	167.3	181.6	190.5	193.8	197.2



TEST NUMBER: P331919-927

CATALOG NUMBER: S123DIP-S560D585U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	222.3	219.2	216.2	213.2	216.2	219.2	222.3	225.3	226.8	226.7	226.6
115°	264.4	264.9	265.3	265.7	265.3	264.9	264.4	264.0	263.4	262.4	261.3
117.5°	294.9	295.0	295.1	295.2	295.1	295.0	294.9	294.9	294.4	293.6	292.8
120°	315.4	315.4	315.4	315.4	315.4	315.4	315.4	315.4	315.0	314.2	313.4
122.5°	335.0	335.1	335.2	335.3	335.2	335.1	335.0	334.9	334.6	334.1	333.5
125°	362.7	362.9	363.1	363.3	363.1	362.9	362.7	362.5	362.3	362.0	361.9
127.5°	390.8	390.6	390.4	390.2	390.4	390.6	390.8	391.0	390.9	390.6	390.3
130°	408.1	408.0	407.7	407.6	407.7	408.0	408.1	408.4	408.2	407.8	407.4
132.5°	424.3	424.0	423.7	423.4	423.7	424.0	424.3	424.6	424.5	424.1	423.7
135°	448.7	448.4	448.1	447.7	448.1	448.4	448.7	448.9	448.9	448.7	448.4
137.5°	471.2	471.0	470.8	470.6	470.8	471.0	471.2	471.4	471.3	470.8	470.3
140°	485.0	484.7	484.6	484.3	484.6	484.7	485.0	485.1	485.1	484.7	484.3
142.5°	497.9	497.6	497.3	497.0	497.3	497.6	497.9	498.1	498.1	497.8	497.5
145°	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.3	516.1	515.9
147.5°	532.3	531.8	531.4	530.9	531.4	531.8	532.3	532.7	532.9	532.7	532.5
150°	542.6	542.3	542.0	541.8	542.0	542.3	542.6	543.0	543.0	542.8	542.6
152.5°	551.8	551.4	550.9	550.4	550.9	551.4	551.8	552.2	552.3	551.9	551.6
155°	564.4	563.7	563.2	562.5	563.2	563.7	564.4	564.9	565.0	564.5	564.0
157.5°	575.0	574.3	573.5	572.7	573.5	574.3	575.0	575.8	576.0	575.4	574.7
160°	581.4	580.7	580.0	579.2	580.0	580.7	581.4	582.0	582.1	581.5	580.9
162.5°	587.2	586.6	586.0	585.4	586.0	586.6	587.2	587.9	587.9	587.2	586.5
165°	594.9	594.2	593.5	592.8	593.5	594.2	594.9	595.6	595.6	594.8	594.0
167.5°	600.6	599.8	599.0	598.1	599.0	599.8	600.6	601.3	601.3	600.6	599.8
170°	603.8	603.0	602.2	601.3	602.2	603.0	603.8	604.6	604.6	603.8	603.0
172.5°	605.9	605.0	604.0	603.2	604.0	605.0	605.9	606.7	606.7	605.9	605.1
175°	608.3	607.5	606.7	605.9	606.7	607.5	608.3	609.1	609.2	608.5	607.8
177.5°	609.1	608.3	607.5	606.7	607.5	608.3	609.1	609.9	610.0	609.3	608.7
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



TEST NUMBER: P331919-927

CATALOG NUMBER: S123DIP-S560D585U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	600.5	600.5	605.1	608.0	611.6	614.1	615.8	617.5	620.4	624.3	628.7
5°	566.2	567.4	574.0	580.7	587.1	592.6	597.1	602.5	609.3	617.4	626.5
7.5°	532.9	537.6	544.3	552.5	561.3	569.3	577.3	586.4	595.7	607.8	620.6
10°	511.5	516.7	524.9	535.2	544.6	554.0	564.0	573.7	585.6	599.8	616.2
12.5°	492.8	497.7	506.2	517.5	526.4	536.8	548.3	560.9	574.2	591.4	609.9
15°	466.9	472.7	483.0	488.5	502.2	514.6	525.2	543.4	560.4	578.0	599.5
17.5°	445.7	448.9	457.2	467.4	477.6	491.5	505.5	520.6	537.6	559.1	586.1
20°	431.1	433.9	443.0	453.6	464.5	477.3	489.7	504.9	523.9	546.8	575.8
22.5°	420.2	423.2	429.1	440.5	450.7	461.2	473.6	491.8	512.1	534.3	565.9
25°	404.4	406.2	410.2	419.3	428.4	440.2	451.1	468.2	489.1	515.2	546.8
27.5°	389.4	391.2	394.5	401.0	409.6	419.1	431.0	445.4	466.7	495.0	528.5
30°	380.5	380.8	383.8	389.8	397.1	405.0	416.0	432.4	452.3	481.2	516.4
32.5°	372.7	371.5	373.6	378.2	385.2	393.2	402.1	418.3	437.6	465.9	502.1
35°	359.5	358.9	358.0	361.9	368.0	374.1	382.0	394.1	416.0	442.4	480.3
37.5°	346.1	344.7	343.0	344.8	349.6	355.9	362.7	373.5	392.4	421.4	457.7
40°	336.2	334.9	334.1	333.4	337.7	343.7	348.9	359.3	376.8	404.4	440.2
42.5°	325.3	324.6	323.4	322.5	326.1	330.7	336.0	345.2	362.7	388.6	422.6
45°	307.7	307.0	306.4	305.9	307.9	312.2	316.5	323.1	338.3	363.5	394.1
47.5°	288.0	287.2	287.5	286.5	288.6	291.4	294.5	301.6	316.2	336.4	358.9
50°	273.9	273.7	273.7	273.7	274.3	277.6	280.4	285.8	299.1	319.5	335.6
52.5°	260.6	259.4	259.4	259.8	260.9	263.1	264.8	270.8	282.4	299.1	313.7
55°	239.7	237.3	236.6	237.3	238.2	240.0	241.8	246.7	256.7	269.1	277.6
57.5°	216.5	215.2	214.4	214.5	215.0	216.4	217.9	223.2	231.0	237.5	243.0
60°	200.3	200.8	198.1	198.8	198.8	199.9	202.1	205.4	212.1	216.7	222.1
62.5°	185.0	184.1	183.3	182.4	182.4	182.9	185.8	188.4	194.1	196.5	200.7
65°	161.1	161.1	159.3	159.9	160.2	158.0	159.6	162.6	166.3	167.2	171.1
67.5°	137.0	136.1	135.1	134.2	134.2	134.0	134.8	136.3	139.0	139.3	142.4
70°	120.4	119.9	119.5	118.7	117.4	118.9	118.0	119.5	121.0	121.4	123.2
72.5°	104.4	103.9	103.3	102.3	101.9	101.7	101.8	103.5	104.6	104.1	106.2
75°	81.6	81.0	80.4	78.9	78.9	78.0	78.3	79.5	80.7	79.8	81.6
77.5°	60.0	58.1	58.0	58.4	57.4	57.5	57.2	57.0	57.5	57.6	59.3
80°	46.1	44.0	44.6	44.3	44.0	43.7	43.1	43.4	43.7	44.0	44.9
82.5°	33.3	33.0	32.5	32.4	32.1	31.3	31.0	31.5	31.8	31.6	32.3
85°	17.0	16.1	16.7	16.4	16.7	16.4	15.4	15.4	16.1	15.8	16.4
87.5°	7.4	7.3	6.7	6.7	6.3	6.3	5.8	5.8	5.9	5.6	5.9
90°	11.2	10.9	9.5	8.2	6.9	5.6	4.4	3.5	2.5	1.4	0.5
92.5°	12.2	11.6	10.6	9.6	8.6	7.6	7.3	7.5	7.8	8.2	8.4
95°	14.7	14.0	12.9	11.8	10.7	9.6	11.1	15.2	19.3	23.4	27.6
97.5°	15.4	14.6	21.8	29.0	36.2	43.5	48.0	49.8	51.7	53.6	55.4
100°	15.7	14.9	30.6	46.3	61.9	77.6	84.4	82.4	80.4	78.3	76.4
102.5°	27.3	29.7	46.8	63.9	81.0	98.2	106.0	104.6	103.1	101.6	100.2
105°	81.2	98.9	108.0	117.0	126.0	135.1	139.0	137.9	136.9	135.8	134.7
107.5°	168.3	181.3	179.9	178.5	177.1	175.6	174.5	173.6	172.8	171.8	171.0
110°	200.4	203.7	202.6	201.5	200.4	199.4	198.4	197.6	196.8	196.0	195.2



TEST NUMBER: P331919-927

CATALOG NUMBER: S123DIP-S560D585U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	226.6	226.6	225.5	224.3	223.2	222.1	221.2	220.5	219.8	219.0	218.3
115°	260.4	259.4	258.4	257.5	256.7	255.7	255.0	254.4	253.7	253.2	252.5
117.5°	292.0	291.1	290.7	290.3	289.8	289.3	288.7	288.0	287.2	286.5	285.7
120°	312.6	311.7	311.5	311.2	310.9	310.5	310.0	309.0	308.2	307.2	306.3
122.5°	333.0	332.4	332.0	331.6	331.2	330.8	330.3	329.5	328.8	328.0	327.3
125°	361.6	361.5	361.1	360.7	360.3	359.9	359.3	358.5	357.7	356.9	356.0
127.5°	390.0	389.7	389.2	388.7	388.2	387.7	387.1	386.3	385.5	384.7	383.9
130°	407.0	406.6	406.2	405.8	405.4	405.0	404.4	403.6	402.8	402.0	401.2
132.5°	423.3	422.9	422.6	422.2	421.9	421.6	421.0	420.3	419.5	418.7	417.9
135°	448.1	447.7	447.3	446.9	446.6	446.2	445.7	445.0	444.4	443.9	443.2
137.5°	469.8	469.4	469.1	468.9	468.7	468.5	467.9	467.2	466.4	465.7	464.9
140°	483.9	483.5	483.2	482.8	482.5	482.3	481.8	481.2	480.6	480.0	479.3
142.5°	497.2	496.9	496.5	496.2	495.9	495.6	495.2	494.6	494.0	493.4	492.7
145°	515.7	515.6	515.3	515.2	514.9	514.8	514.3	513.6	512.9	512.1	511.4
147.5°	532.3	532.1	531.9	531.6	531.5	531.2	530.9	530.4	530.0	529.6	529.1
150°	542.4	542.2	542.0	541.8	541.6	541.4	541.1	540.8	540.5	540.3	540.0
152.5°	551.2	550.9	550.7	550.6	550.5	550.4	550.2	550.1	549.9	549.9	549.7
155°	563.5	563.0	562.8	562.8	562.7	562.6	562.6	562.8	563.0	563.2	563.4
157.5°	574.2	573.5	573.6	573.8	573.9	573.9	574.0	574.0	574.0	574.1	574.1
160°	580.3	579.7	579.8	579.9	580.0	580.1	580.2	580.3	580.4	580.5	580.6
162.5°	585.8	585.1	585.2	585.3	585.4	585.5	585.7	586.0	586.2	586.5	586.8
165°	593.2	592.3	592.5	592.6	592.6	592.7	592.9	593.3	593.6	593.8	594.1
167.5°	599.0	598.1	598.1	598.1	598.1	598.1	598.3	598.7	599.1	599.5	599.9
170°	602.2	601.3	601.3	601.3	601.3	601.3	601.6	602.0	602.4	602.8	603.2
172.5°	604.4	603.6	603.5	603.4	603.3	603.2	603.4	603.9	604.4	604.9	605.4
175°	607.0	606.3	606.3	606.2	606.0	605.9	606.2	606.7	607.1	607.7	608.2
177.5°	608.1	607.4	607.4	607.3	607.2	607.1	607.3	607.7	608.1	608.5	608.9
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



TEST NUMBER: P331919-927

CATALOG NUMBER: S123DIP-S560D585U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	630.1	631.3	635.4	638.3	641.7	643.7	645.6	647.1	649.0	649.5	656.6
5°	632.9	639.0	649.6	657.4	667.2	677.8	685.1	688.4	697.2	704.5	719.1
7.5°	632.1	645.0	661.1	677.7	695.5	712.0	726.4	743.3	755.4	773.6	791.5
10°	631.4	648.6	669.3	690.5	715.4	738.5	759.1	782.2	801.3	826.5	848.0
12.5°	629.2	650.1	678.7	703.9	734.1	765.9	796.5	826.1	843.0	884.9	904.8
15°	623.8	648.6	684.4	722.7	764.3	801.9	840.7	871.6	921.7	958.5	981.8
17.5°	613.5	648.3	690.8	736.9	787.4	837.0	881.0	928.0	981.1	1025.5	1072.9
20°	608.6	646.8	694.2	745.1	797.6	853.7	903.8	960.3	1018.2	1061.9	1122.6
22.5°	599.7	642.9	694.0	750.8	806.8	864.9	923.5	980.4	1047.3	1107.6	1165.3
25°	584.9	633.5	686.3	749.7	815.6	873.8	943.9	1019.5	1089.3	1166.6	1224.2
27.5°	569.6	621.4	674.3	733.2	804.1	873.2	961.4	1046.7	1132.0	1198.9	1241.5
30°	557.6	608.0	662.7	722.1	792.2	874.4	973.0	1066.1	1149.3	1206.7	1230.6
32.5°	544.8	595.9	644.2	706.5	781.3	873.7	980.3	1077.5	1150.2	1188.4	1183.8
35°	524.6	567.4	614.4	674.5	762.5	868.3	984.5	1078.6	1123.2	1115.0	1053.1
37.5°	495.4	531.5	577.7	643.5	740.6	857.1	976.0	1046.6	1043.7	977.0	887.3
40°	477.3	507.9	552.5	621.7	723.6	849.9	962.7	1008.5	969.7	876.5	769.1
42.5°	453.4	481.6	526.2	597.4	705.0	835.0	937.2	950.5	874.5	767.3	668.9
45°	416.6	441.5	487.6	561.0	676.9	802.8	875.0	842.6	740.3	629.5	554.6
47.5°	376.9	402.8	447.2	522.6	636.4	754.3	788.7	719.7	614.7	524.9	456.1
50°	352.0	376.8	420.2	496.4	609.0	714.5	728.8	639.6	543.1	464.2	407.7
52.5°	326.7	350.1	392.8	469.2	576.9	668.4	659.6	568.7	480.0	412.7	368.4
55°	289.1	311.3	352.0	423.6	521.6	594.1	562.2	475.5	402.0	349.8	316.2
57.5°	255.6	276.8	311.8	376.5	461.7	511.5	471.0	397.9	339.5	299.4	274.3
60°	232.7	251.5	284.9	345.0	419.0	456.9	416.8	352.3	303.1	270.9	248.5
62.5°	211.1	227.5	258.4	312.9	377.2	409.1	368.6	313.9	272.0	243.5	224.4
65°	178.4	193.3	220.5	263.1	315.8	337.1	302.2	257.9	225.5	204.2	191.5
67.5°	148.5	161.1	184.7	218.2	257.1	272.5	246.0	211.7	187.2	170.2	160.0
70°	128.7	139.6	158.0	186.9	222.1	233.9	209.1	180.9	163.0	149.2	139.9
72.5°	111.9	119.9	136.7	159.0	188.4	197.7	180.4	155.6	138.9	128.7	121.2
75°	85.2	91.9	102.8	120.7	141.1	146.6	133.5	118.0	106.8	99.5	93.7
77.5°	61.5	66.4	74.3	85.3	99.4	104.3	96.1	85.7	77.6	72.6	69.4
80°	46.4	50.4	57.0	66.1	74.6	77.4	72.5	64.6	58.9	56.2	53.4
82.5°	34.3	36.5	40.6	46.7	52.5	55.8	51.7	46.9	43.8	41.4	40.3
85°	17.3	18.5	20.4	22.7	26.4	27.6	26.1	24.9	23.1	21.5	21.5
87.5°	6.6	6.8	7.8	8.4	9.6	10.6	10.6	10.4	10.5	10.3	10.1
90°	1.4	2.5	3.5	4.4	5.6	6.9	8.2	9.5	10.9	11.2	11.6
92.5°	8.2	7.8	7.5	7.3	7.6	8.6	9.6	10.6	11.6	12.2	12.8
95°	23.4	19.3	15.2	11.1	9.6	10.7	11.8	12.9	14.0	14.7	15.4
97.5°	53.6	51.7	49.8	48.0	43.5	36.2	29.0	21.8	14.6	15.4	16.2
100°	78.3	80.4	82.4	84.4	77.6	61.9	46.3	30.6	14.9	15.7	16.5
102.5°	101.6	103.1	104.6	106.0	98.2	81.0	63.9	46.8	29.7	27.3	24.7
105°	135.8	136.9	137.9	139.0	135.1	126.0	117.0	108.0	98.9	81.2	63.4
107.5°	171.8	172.8	173.6	174.5	175.6	177.1	178.5	179.9	181.3	168.3	155.3
110°	196.0	196.8	197.6	198.4	199.4	200.4	201.5	202.6	203.7	200.4	197.2



TEST NUMBER: P331919-927

CATALOG NUMBER: S123DIP-S560D585U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	219.0	219.8	220.5	221.2	222.1	223.2	224.3	225.5	226.6	226.6	226.6
115°	253.2	253.7	254.4	255.0	255.7	256.7	257.5	258.4	259.4	260.4	261.3
117.5°	286.5	287.2	288.0	288.7	289.3	289.8	290.3	290.7	291.1	292.0	292.8
120°	307.2	308.2	309.0	310.0	310.5	310.9	311.2	311.5	311.7	312.6	313.4
122.5°	328.0	328.8	329.5	330.3	330.8	331.2	331.6	332.0	332.4	333.0	333.5
125°	356.9	357.7	358.5	359.3	359.9	360.3	360.7	361.1	361.5	361.6	361.9
127.5°	384.7	385.5	386.3	387.1	387.7	388.2	388.7	389.2	389.7	390.0	390.3
130°	402.0	402.8	403.6	404.4	405.0	405.4	405.8	406.2	406.6	407.0	407.4
132.5°	418.7	419.5	420.3	421.0	421.6	421.9	422.2	422.6	422.9	423.3	423.7
135°	443.9	444.4	445.0	445.7	446.2	446.6	446.9	447.3	447.7	448.1	448.4
137.5°	465.7	466.4	467.2	467.9	468.5	468.7	468.9	469.1	469.4	469.8	470.3
140°	480.0	480.6	481.2	481.8	482.3	482.5	482.8	483.2	483.5	483.9	484.3
142.5°	493.4	494.0	494.6	495.2	495.6	495.9	496.2	496.5	496.9	497.2	497.5
145°	512.1	512.9	513.6	514.3	514.8	514.9	515.2	515.3	515.6	515.7	515.9
147.5°	529.6	530.0	530.4	530.9	531.2	531.5	531.6	531.9	532.1	532.3	532.5
150°	540.3	540.5	540.8	541.1	541.4	541.6	541.8	542.0	542.2	542.4	542.6
152.5°	549.9	549.9	550.1	550.2	550.4	550.5	550.6	550.7	550.9	551.2	551.6
155°	563.2	563.0	562.8	562.6	562.6	562.7	562.8	562.8	563.0	563.5	564.0
157.5°	574.1	574.0	574.0	574.0	573.9	573.9	573.8	573.6	573.5	574.2	574.7
160°	580.5	580.4	580.3	580.2	580.1	580.0	579.9	579.8	579.7	580.3	580.9
162.5°	586.5	586.2	586.0	585.7	585.5	585.4	585.3	585.2	585.1	585.8	586.5
165°	593.8	593.6	593.3	592.9	592.7	592.6	592.6	592.5	592.3	593.2	594.0
167.5°	599.5	599.1	598.7	598.3	598.1	598.1	598.1	598.1	598.1	599.0	599.8
170°	602.8	602.4	602.0	601.6	601.3	601.3	601.3	601.3	601.3	602.2	603.0
172.5°	604.9	604.4	603.9	603.4	603.2	603.3	603.4	603.5	603.6	604.4	605.1
175°	607.7	607.1	606.7	606.2	605.9	606.0	606.2	606.3	606.3	607.0	607.8
177.5°	608.5	608.1	607.7	607.3	607.1	607.2	607.3	607.4	607.4	608.1	608.7
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	626.2	626.2	626.2	626.2	626.2	626.2	626.2
2.5°	659.0	659.3	661.9	663.8	662.9	664.1	664.6
5°	719.9	730.9	736.7	740.9	741.2	741.5	743.9
7.5°	806.4	818.2	826.7	839.7	843.6	848.0	846.8
10°	869.6	886.8	901.7	909.6	918.1	930.5	920.5
12.5°	928.5	959.2	981.8	994.0	1002.1	1004.6	999.7
15°	1025.8	1065.9	1087.4	1086.8	1114.1	1125.9	1107.4
17.5°	1115.0	1152.0	1181.5	1196.7	1219.5	1224.6	1222.3
20°	1169.6	1210.0	1233.0	1259.1	1271.0	1281.6	1283.4
22.5°	1216.7	1252.9	1277.7	1299.4	1309.3	1314.3	1317.4
25°	1265.2	1293.7	1308.6	1316.1	1318.9	1318.3	1314.3
27.5°	1261.9	1264.0	1247.7	1231.6	1217.2	1200.9	1195.4
30°	1229.1	1203.6	1158.1	1132.3	1094.4	1064.3	1076.5
32.5°	1142.9	1092.2	1041.1	984.7	938.0	924.8	911.4
35°	975.4	886.2	834.1	773.4	749.1	724.8	708.1
37.5°	789.2	720.2	658.2	618.5	594.2	578.9	570.6
40°	682.4	620.1	569.2	537.0	518.5	501.2	498.8
42.5°	597.1	539.3	501.0	475.4	457.6	450.3	444.9
45°	489.1	448.7	422.9	404.7	392.9	388.3	382.3
47.5°	414.0	385.5	366.1	353.7	344.8	341.4	340.9
50°	372.0	348.3	334.1	324.3	317.3	316.2	311.3
52.5°	340.4	319.9	308.8	300.3	295.2	291.8	290.4
55°	295.5	281.9	271.9	267.0	263.1	259.7	259.7
57.5°	258.6	247.2	240.5	236.4	235.2	232.8	231.3
60°	235.8	226.0	220.9	217.2	214.8	215.1	212.4
62.5°	213.4	207.1	202.2	198.5	195.7	195.7	195.9
65°	181.7	176.9	173.3	172.1	170.2	168.1	168.7
67.5°	154.0	149.5	146.6	144.6	143.9	142.8	144.6
70°	134.1	130.8	128.7	126.8	126.2	126.5	128.0
72.5°	115.9	113.5	112.2	111.3	110.0	110.0	111.1
75°	91.0	89.2	88.0	87.1	86.7	86.7	86.7
77.5°	66.9	66.5	65.9	64.6	64.6	65.0	65.0
80°	52.8	51.9	51.6	50.9	50.1	49.4	50.9
82.5°	39.5	38.5	38.3	38.1	36.7	36.6	37.9
85°	21.2	20.4	20.6	20.4	20.4	20.0	20.0
87.5°	9.9	9.7	9.6	9.9	9.7	9.5	10.0
90°	12.0	12.4	12.8	13.0	13.2	13.4	13.5
92.5°	13.5	14.1	14.5	14.7	14.7	14.9	15.0
95°	16.1	16.8	17.2	17.2	17.2	17.2	17.2
97.5°	17.0	17.7	18.2	18.3	18.4	18.5	18.6
100°	17.3	18.1	18.5	18.7	18.8	18.9	19.0
102.5°	22.3	19.8	18.6	18.8	19.0	19.2	19.3
105°	45.6	27.9	19.1	19.3	19.5	19.6	19.9
107.5°	142.3	129.2	116.1	102.6	89.2	75.8	62.4
110°	193.8	190.5	181.6	167.3	153.0	138.6	124.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	226.7	226.8	225.3	222.3	219.2	216.2	213.2
115°	262.4	263.4	264.0	264.4	264.9	265.3	265.7
117.5°	293.6	294.4	294.9	294.9	295.0	295.1	295.2
120°	314.2	315.0	315.4	315.4	315.4	315.4	315.4
122.5°	334.1	334.6	334.9	335.0	335.1	335.2	335.3
125°	362.0	362.3	362.5	362.7	362.9	363.1	363.3
127.5°	390.6	390.9	391.0	390.8	390.6	390.4	390.2
130°	407.8	408.2	408.4	408.1	408.0	407.7	407.6
132.5°	424.1	424.5	424.6	424.3	424.0	423.7	423.4
135°	448.7	448.9	448.9	448.7	448.4	448.1	447.7
137.5°	470.8	471.3	471.4	471.2	471.0	470.8	470.6
140°	484.7	485.1	485.1	485.0	484.7	484.6	484.3
142.5°	497.8	498.1	498.1	497.9	497.6	497.3	497.0
145°	516.1	516.3	516.4	516.4	516.4	516.4	516.4
147.5°	532.7	532.9	532.7	532.3	531.8	531.4	530.9
150°	542.8	543.0	543.0	542.6	542.3	542.0	541.8
152.5°	551.9	552.3	552.2	551.8	551.4	550.9	550.4
155°	564.5	565.0	564.9	564.4	563.7	563.2	562.5
157.5°	575.4	576.0	575.8	575.0	574.3	573.5	572.7
160°	581.5	582.1	582.0	581.4	580.7	580.0	579.2
162.5°	587.2	587.9	587.9	587.2	586.6	586.0	585.4
165°	594.8	595.6	595.6	594.9	594.2	593.5	592.8
167.5°	600.6	601.3	601.3	600.6	599.8	599.0	598.1
170°	603.8	604.6	604.6	603.8	603.0	602.2	601.3
172.5°	605.9	606.7	606.7	605.9	605.0	604.0	603.2
175°	608.5	609.2	609.1	608.3	607.5	606.7	605.9
177.5°	609.3	610.0	609.9	609.1	608.3	607.5	606.7
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2

(END OF REPORT)