

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: P331867-930

Luminaire Tested: **S123DIP-S340D365U930-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331867-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S340D365U930-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2255.1 lumens
Efficiency: N/A
Efficacy: 111.1 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

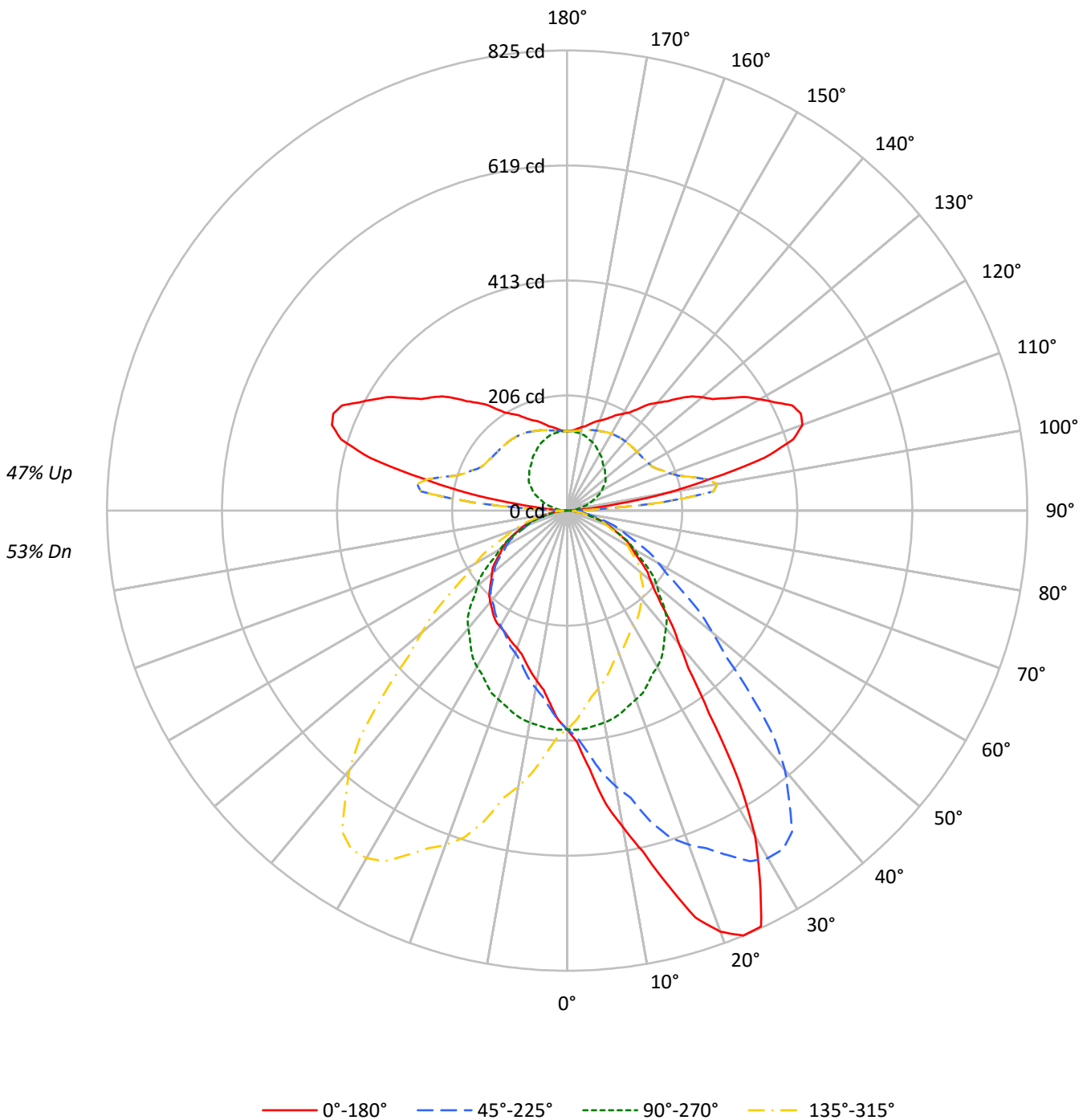
Input Watts (W): 20.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	58	58	58	53
1	99	94	91	87	91	88	84	81	75	72	70	63	61	60	52	51	50	45
2	90	83	77	72	83	77	72	67	66	62	59	56	53	50	46	44	42	38
3	82	73	66	60	76	68	62	56	58	53	50	49	46	43	41	39	36	32
4	75	65	57	51	70	60	53	48	52	47	42	44	40	37	37	34	32	28
5	69	58	50	44	64	54	47	41	47	41	37	40	35	32	33	30	28	24
6	64	52	44	38	59	48	41	36	42	36	32	36	32	28	30	27	24	22
7	59	47	39	33	55	44	37	32	38	32	28	33	28	25	28	24	22	19
8	55	43	35	30	51	40	33	28	35	29	25	30	26	22	25	22	19	17
9	51	39	31	26	47	36	30	25	32	26	23	28	23	20	23	20	18	15
10	48	36	28	24	44	33	27	23	29	24	20	25	21	18	22	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4219	4219	4219	4219
5°	5032	4238	3756	4238
10°	6299	4217	3393	4217
15°	7725	4182	3158	4182
20°	9203	4129	3007	4129
25°	9772	4065	2973	4065
30°	8376	4018	2988	4018
35°	5825	3951	3020	3951
40°	4388	3873	3011	3873
45°	3643	3755	2973	3755
50°	3264	3518	2946	3518
55°	3051	3262	2909	3262
60°	2863	2992	2878	2992
65°	2690	2728	2786	2728
70°	2521	2426	2653	2426
75°	2258	2125	2433	2125
80°	1977	1742	2095	1742
85°	1556	1272	1408	1272



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	1.7
10°-20°	123.8	5.5
20°-30°	207.8	9.2
30°-40°	235.3	10.4
40°-50°	211.0	9.4
50°-60°	170.3	7.6
60°-70°	118.7	5.3
70°-80°	62.4	2.8
80°-90°	16.4	0.7
90°-100°	79.2	3.5
100°-110°	224.3	9.9
110°-120°	220.6	9.8
120°-130°	176.0	7.8
130°-140°	138.8	6.2
140°-150°	103.6	4.6
150°-160°	72.2	3.2
160°-170°	42.4	1.9
170°-180°	13.8	0.6
0°-30°	370.3	16.4
0°-40°	605.6	26.9
0°-60°	986.9	43.8
0°-90°	1184.3	52.5
90°-120°	524.1	23.2
90°-150°	942.4	41.8
90°-180°	1071.0	47.5
0°-180°	2255.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	392	392	392	392	392	
5°	466	392	348	392	466	48
15°	693	375	283	375	693	200
25°	823	342	250	342	823	361
35°	443	301	230	301	443	288
45°	239	247	195	247	239	189
55°	163	174	155	174	163	146
65°	106	107	109	107	106	105
75°	54	51	58	51	54	58
85°	13	10	11	10	13	15
90°	8	1	8	1	8	5
95°	33	10	33	10	33	60
105°	366	33	366	33	366	362
115°	446	59	446	59	446	433
125°	352	82	352	82	352	319
135°	285	96	285	96	285	221
145°	223	110	223	110	223	142
155°	185	125	185	125	185	86
165°	161	136	161	136	161	46
175°	145	142	145	142	145	14
180°	142	142	142	142	142	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0
2.5°	416.0	415.7	415.0	415.6	414.3	412.7	412.5	411.0	406.6	406.3	405.1
5°	465.7	464.2	464.0	463.8	461.1	457.5	450.7	450.1	441.0	436.5	431.0
7.5°	530.1	530.8	528.1	525.7	517.6	512.2	504.8	495.5	484.3	472.9	465.4
10°	576.3	582.5	574.8	569.4	564.5	555.2	544.4	530.8	517.4	501.7	489.7
12.5°	625.8	628.8	627.3	622.3	614.7	600.5	581.3	566.4	554.0	527.7	517.1
15°	693.2	704.8	697.4	680.4	680.7	667.2	642.2	614.7	600.0	577.0	545.7
17.5°	765.2	766.5	763.4	749.2	739.7	721.1	698.0	671.6	642.0	614.2	580.9
20°	803.4	802.3	795.7	788.2	771.9	757.5	732.2	702.8	664.8	637.4	601.1
22.5°	824.7	822.8	819.6	813.4	799.9	784.4	761.7	729.5	693.3	655.7	613.8
25°	822.8	825.2	825.7	823.9	819.2	809.9	792.1	766.4	730.3	681.8	638.2
27.5°	748.4	751.9	762.0	771.0	781.1	791.3	789.9	777.2	750.5	708.7	655.3
30°	673.9	666.3	685.1	708.8	725.0	753.5	769.4	770.4	755.4	719.5	667.4
32.5°	570.5	578.9	587.3	616.4	651.8	683.7	715.5	741.0	744.0	720.1	674.6
35°	443.3	453.8	469.0	484.1	522.1	554.8	610.7	659.3	698.0	703.1	675.2
37.5°	357.3	362.4	372.0	387.3	412.1	450.9	494.0	555.5	611.6	653.4	655.2
40°	312.3	313.8	324.6	336.1	356.3	388.2	427.1	481.5	548.7	607.1	631.4
42.5°	278.5	281.8	286.5	297.6	313.6	337.6	373.8	418.7	480.4	547.5	595.0
45°	239.3	243.1	246.0	253.4	264.8	281.0	306.1	347.2	394.1	463.4	527.4
47.5°	213.4	213.7	215.8	221.4	229.2	241.3	259.2	285.5	328.6	384.8	450.5
50°	194.9	197.9	198.7	203.0	209.1	218.0	232.8	255.3	290.6	340.0	400.4
52.5°	181.8	182.7	184.8	188.0	193.3	200.2	213.1	230.6	258.4	300.5	356.0
55°	162.6	162.6	164.7	167.1	170.2	176.4	185.0	197.9	219.0	251.7	297.7
57.5°	144.8	145.8	147.2	148.0	150.6	154.7	161.8	171.7	187.4	212.5	249.1
60°	133.0	134.7	134.4	136.0	138.3	141.5	147.6	155.6	169.6	189.7	220.5
62.5°	122.6	122.5	122.5	124.3	126.5	129.6	133.6	140.5	152.5	170.3	196.5
65°	105.6	105.3	106.6	107.7	108.4	110.7	113.7	119.8	127.8	141.1	161.4
67.5°	90.5	89.4	90.1	90.5	91.8	93.6	96.4	100.2	106.5	117.2	132.5
70°	80.1	79.2	79.0	79.4	80.6	81.9	84.0	87.6	93.4	102.0	113.2
72.5°	69.5	68.9	68.8	69.7	70.2	71.1	72.6	75.8	80.6	87.0	97.4
75°	54.3	54.3	54.3	54.5	55.1	55.8	57.0	58.7	62.3	66.9	73.9
77.5°	40.7	40.7	40.4	40.4	41.3	41.6	41.8	43.5	45.5	48.5	53.6
80°	31.9	31.0	31.3	31.9	32.3	32.4	33.0	33.4	35.1	36.9	40.4
82.5°	23.7	22.9	23.0	23.9	24.0	24.1	24.7	25.2	25.8	27.4	29.4
85°	12.6	12.6	12.7	12.7	12.9	12.7	13.3	13.5	13.5	14.4	15.6
87.5°	6.2	6.0	6.1	6.2	6.1	6.1	6.2	6.3	6.4	6.6	6.6
90°	8.3	8.6	8.3	8.1	8.3	7.7	7.5	7.2	6.9	7.2	6.4
92.5°	13.9	14.4	14.1	15.0	15.5	17.0	19.2	24.3	33.4	44.3	48.8
95°	33.4	34.6	36.6	39.2	44.7	55.0	70.3	103.7	138.6	170.9	152.1
97.5°	91.0	93.4	101.3	114.2	135.5	169.9	207.1	258.5	283.2	264.8	193.9
100°	180.7	180.3	191.6	212.6	241.7	282.7	316.3	339.7	329.6	272.9	184.4
102.5°	265.0	271.7	281.0	297.7	320.3	346.3	365.9	366.6	331.9	257.9	170.6
105°	366.5	367.9	377.2	388.1	401.4	408.8	403.3	374.5	314.3	231.6	153.6
107.5°	424.9	427.5	430.6	434.4	434.1	423.9	398.6	351.8	283.6	208.5	142.8
110°	448.9	449.5	450.0	447.8	439.7	419.5	383.2	330.2	264.2	195.3	138.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	453.7	453.6	451.4	444.3	429.5	403.6	362.9	308.8	247.4	186.5	136.2
115°	445.7	444.3	438.5	425.8	404.2	372.8	330.4	280.3	227.1	177.2	135.4
117.5°	420.2	418.2	410.0	395.5	372.9	341.0	303.0	259.8	214.7	171.6	135.9
120°	399.0	397.3	390.4	374.2	351.5	322.4	287.8	248.9	208.3	169.1	136.9
122.5°	379.2	377.0	369.4	354.9	334.7	307.6	275.6	240.4	203.0	167.5	138.4
125°	351.5	349.5	342.3	329.6	311.2	288.1	260.5	229.0	196.2	165.3	140.9
127.5°	328.6	326.9	320.3	309.5	293.1	272.1	247.1	219.2	190.2	164.4	143.7
130°	315.8	313.5	307.4	297.0	281.8	262.2	238.9	212.9	186.9	163.6	145.5
132.5°	303.1	301.5	296.1	285.8	271.4	252.7	231.0	207.2	184.0	163.4	146.9
135°	284.9	282.9	277.8	269.1	254.9	238.6	219.8	199.3	180.1	163.1	149.0
137.5°	265.8	264.4	260.1	251.3	239.5	225.2	209.0	192.2	176.7	162.4	150.3
140°	252.4	252.7	248.1	240.0	229.0	216.6	202.8	188.2	174.6	162.2	151.2
142.5°	239.9	240.2	236.1	228.9	219.6	208.8	196.8	184.3	172.8	161.8	152.0
145°	222.7	222.2	219.8	213.8	206.6	198.2	189.0	179.5	170.2	161.0	152.4
147.5°	208.6	208.3	206.1	202.0	196.6	190.6	183.2	175.6	167.9	160.0	152.4
150°	200.2	200.2	198.5	195.3	191.0	185.6	179.5	172.8	166.2	159.1	152.4
152.5°	193.3	193.3	192.2	189.3	186.0	181.4	176.0	170.3	164.4	157.9	151.7
155°	184.7	184.4	183.8	181.5	178.9	175.5	171.1	166.6	161.6	155.9	151.0
157.5°	176.8	176.8	176.3	174.6	172.4	169.7	166.3	162.5	158.5	154.1	150.0
160°	171.7	172.0	172.0	170.2	168.3	166.2	163.4	160.2	156.5	152.7	149.5
162.5°	167.1	167.4	167.4	165.9	164.6	162.8	160.1	157.4	154.3	151.3	148.6
165°	161.0	161.0	161.3	160.2	159.1	157.6	155.6	153.8	151.6	149.3	147.2
167.5°	155.3	155.3	155.6	154.7	154.3	153.2	152.1	150.7	148.9	147.2	145.9
170°	151.8	151.8	152.1	151.6	151.2	150.7	149.5	148.6	147.2	145.8	145.0
172.5°	148.6	148.9	149.4	148.8	148.7	148.4	147.5	146.8	145.6	144.6	144.2
175°	145.0	145.2	145.5	145.2	145.2	145.2	144.6	144.3	143.7	143.2	143.2
177.5°	142.8	142.8	143.2	143.0	143.2	143.2	143.0	142.8	142.6	142.4	142.6
180°	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0
2.5°	404.1	403.0	401.8	399.7	397.8	395.3	394.4	393.5	390.8	388.4	386.5
5°	428.8	424.3	417.7	411.6	406.7	400.0	396.2	392.2	386.5	381.4	377.2
7.5°	454.7	445.7	435.4	424.3	413.8	403.8	395.7	388.5	380.5	373.0	367.0
10°	475.2	462.3	447.8	432.3	419.0	406.1	395.3	385.8	375.5	366.6	359.1
12.5°	498.6	479.5	459.6	440.7	424.9	407.0	393.9	381.8	370.1	359.5	351.1
15°	526.3	502.0	478.4	452.4	428.5	406.1	390.5	375.3	361.8	350.8	340.1
17.5°	551.5	524.0	492.9	461.3	432.4	405.9	384.1	366.9	350.0	336.6	326.0
20°	565.8	534.5	499.4	466.5	434.6	405.0	381.0	360.5	342.3	328.0	316.1
22.5°	578.1	541.4	505.1	469.9	434.4	402.5	375.4	354.2	334.5	320.6	307.9
25°	590.9	547.0	510.5	469.4	429.7	396.6	366.2	342.3	322.5	306.1	293.1
27.5°	601.9	546.7	503.4	459.0	422.1	389.0	356.5	330.8	309.9	292.1	278.8
30°	609.1	547.4	495.9	452.1	414.8	380.7	349.1	323.3	301.3	283.2	270.7
32.5°	613.7	546.9	489.1	442.3	403.2	373.0	341.0	314.3	291.6	273.9	261.9
35°	616.4	543.6	477.3	422.2	384.7	355.1	328.4	300.7	277.0	260.4	246.7
37.5°	611.0	536.5	463.7	402.8	361.7	332.7	310.1	286.6	263.8	245.6	233.8
40°	602.7	532.0	453.0	389.1	345.8	318.0	298.8	275.6	253.2	235.9	224.9
42.5°	586.7	522.8	441.3	374.0	329.5	301.6	283.9	264.5	243.3	227.1	216.1
45°	547.8	502.6	423.7	351.2	305.2	276.4	260.8	246.7	227.6	211.8	202.3
47.5°	493.7	472.2	398.4	327.2	279.9	252.2	235.9	224.7	210.7	197.9	188.8
50°	456.2	447.3	381.2	310.7	263.1	235.9	220.3	210.1	200.0	187.3	179.0
52.5°	412.9	418.4	361.2	293.8	245.9	219.2	204.6	196.4	187.3	176.8	169.5
55°	352.0	371.9	326.5	265.1	220.3	194.9	181.0	173.8	168.4	160.7	154.4
57.5°	294.9	320.2	289.0	235.7	195.2	173.3	160.0	152.1	148.7	144.6	139.7
60°	261.0	286.0	262.3	216.0	178.4	157.4	145.7	139.0	135.6	132.7	128.6
62.5°	230.7	256.1	236.2	195.9	161.8	142.4	132.2	125.6	123.0	121.6	118.0
65°	189.1	211.0	197.7	164.7	138.1	121.0	111.7	107.1	104.7	104.1	101.8
67.5°	153.9	170.6	160.9	136.6	115.7	100.9	93.0	89.1	87.2	87.0	85.3
70°	130.9	146.4	139.0	117.0	99.0	87.4	80.6	77.1	76.0	75.8	74.8
72.5°	112.9	123.8	117.9	99.5	85.6	75.1	70.0	66.4	65.2	65.5	64.8
75°	83.6	91.7	88.3	75.6	64.4	57.6	53.4	51.1	50.0	50.5	49.7
77.5°	60.2	65.3	62.2	53.4	46.5	41.6	38.5	37.1	36.0	36.0	35.7
80°	45.4	48.4	46.7	41.4	35.7	31.6	29.0	28.1	27.6	27.3	27.1
82.5°	32.4	34.9	32.9	29.3	25.4	22.8	21.4	20.2	19.8	19.9	19.7
85°	16.3	17.3	16.6	14.3	12.7	11.6	10.8	10.3	9.9	10.0	9.7
87.5°	6.7	6.7	6.0	5.4	4.9	4.3	4.2	3.8	3.6	3.7	3.7
90°	5.5	4.6	3.8	3.2	2.6	1.7	1.1	0.6	1.1	1.7	2.6
92.5°	36.6	24.2	16.6	12.4	9.9	7.7	5.3	3.6	5.3	7.7	9.9
95°	104.8	62.0	37.4	26.3	18.8	13.9	10.7	9.8	10.7	13.9	18.8
97.5°	115.0	66.7	43.3	31.1	23.7	19.5	17.0	16.7	17.0	19.5	23.7
100°	108.6	66.0	45.8	34.6	27.6	23.6	21.6	21.4	21.6	23.6	27.6
102.5°	103.1	66.9	48.8	38.5	32.3	28.5	26.7	26.2	26.7	28.5	32.3
105°	99.1	69.5	53.9	44.9	39.5	36.0	34.3	33.4	34.3	36.0	39.5
107.5°	98.8	74.2	60.5	52.2	47.0	43.7	42.0	41.2	42.0	43.7	47.0
110°	100.0	78.1	65.1	57.1	52.2	49.0	47.5	46.6	47.5	49.0	52.2



TEST NUMBER: P331867-930

CATALOG NUMBER: S123DIP-S340D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	102.3	82.0	70.0	62.1	57.2	54.1	52.6	51.8	52.6	54.1	57.2
115°	106.0	88.5	77.5	69.7	64.8	62.0	60.3	59.0	60.3	62.0	64.8
117.5°	111.0	95.3	84.5	77.3	71.8	69.1	67.7	66.4	67.7	69.1	71.8
120°	114.6	99.7	89.3	82.1	76.6	73.8	72.3	71.4	72.3	73.8	76.6
122.5°	118.1	104.3	94.2	86.5	81.3	78.1	76.7	75.8	76.7	78.1	81.3
125°	123.6	111.0	100.9	93.0	87.6	84.4	82.7	82.1	82.7	84.4	87.6
127.5°	128.1	116.7	107.0	99.1	93.1	89.9	87.7	86.9	87.7	89.9	93.1
130°	131.1	120.2	110.6	102.9	96.8	93.4	90.7	89.9	90.7	93.4	96.8
132.5°	133.9	123.1	113.9	106.3	100.3	96.1	93.3	92.2	93.3	96.1	100.3
135°	137.5	127.6	118.7	111.0	104.8	100.5	97.3	96.2	97.3	100.5	104.8
137.5°	140.1	130.8	122.1	115.0	108.9	104.4	101.3	100.0	101.3	104.4	108.9
140°	141.5	132.8	124.5	117.2	111.5	106.9	104.0	102.6	104.0	106.9	111.5
142.5°	142.8	134.4	126.3	119.6	113.8	109.7	106.6	105.3	106.6	109.7	113.8
145°	144.3	136.6	129.1	122.5	117.6	113.2	110.6	109.7	110.6	113.2	117.6
147.5°	145.3	138.3	131.4	125.8	121.1	117.3	114.8	114.3	114.8	117.3	121.1
150°	145.5	139.4	132.8	127.6	123.6	119.8	117.6	117.2	117.6	119.8	123.6
152.5°	145.9	140.1	134.4	129.5	125.9	122.6	120.3	120.3	120.3	122.6	125.9
155°	146.1	141.5	136.6	132.6	129.4	126.5	124.7	124.7	124.7	126.5	129.4
157.5°	146.3	142.2	138.3	135.2	132.5	130.0	128.6	128.3	128.6	130.0	132.5
160°	146.3	142.9	139.4	136.6	134.5	132.2	131.1	131.1	131.1	132.2	134.5
162.5°	146.1	143.2	140.1	137.7	135.9	134.1	133.1	133.1	133.1	134.1	135.9
165°	145.5	143.5	141.2	139.2	138.0	136.6	136.0	136.2	136.0	136.6	138.0
167.5°	145.0	143.4	141.8	140.5	139.7	138.6	138.3	138.6	138.3	138.6	139.7
170°	144.3	143.2	141.8	141.2	140.6	139.7	139.4	140.0	139.4	139.7	140.6
172.5°	144.1	143.2	141.9	141.6	141.3	140.6	140.6	141.0	140.6	140.6	141.3
175°	143.5	142.9	142.4	142.0	142.0	141.5	141.8	142.0	141.8	141.5	142.0
177.5°	143.0	142.6	142.4	142.4	142.4	142.1	142.4	142.6	142.4	142.1	142.4
180°	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4



TEST NUMBER: P331867-930

CATALOG NUMBER: S123DIP-S340D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0
2.5°	385.5	384.4	382.9	380.7	378.8	375.9	375.9	376.3	376.3	376.3	375.9
5°	373.8	371.0	367.5	363.5	359.4	355.1	354.4	352.9	351.8	351.0	350.1
7.5°	361.4	356.4	351.4	345.8	340.7	336.6	333.6	331.2	329.6	327.9	326.7
10°	353.1	346.8	341.0	335.1	328.6	323.4	320.2	318.0	316.3	314.7	314.0
12.5°	343.2	336.1	329.5	323.9	316.9	311.6	308.5	307.4	305.5	302.2	300.6
15°	328.8	322.1	314.4	305.8	302.4	296.0	292.3	290.6	289.4	287.0	286.3
17.5°	316.4	307.8	299.0	292.6	286.3	281.0	279.0	276.9	275.4	273.4	272.7
20°	306.6	298.8	290.8	284.0	277.3	271.6	269.9	268.4	266.8	266.0	265.1
22.5°	296.5	288.8	282.1	275.7	268.6	264.9	263.1	261.4	260.3	259.7	258.9
25°	282.4	275.6	268.2	262.5	256.8	254.3	253.2	252.3	251.4	250.5	250.3
27.5°	269.9	262.4	256.4	251.0	247.0	244.9	243.8	243.4	243.5	243.9	244.1
30°	260.4	253.6	248.7	244.1	240.3	238.4	238.1	238.1	239.0	239.1	239.5
32.5°	251.8	246.1	241.2	236.8	233.9	232.6	233.3	233.3	233.9	234.4	235.1
35°	239.1	234.2	230.4	226.6	224.1	224.7	225.1	225.4	226.4	227.6	228.3
37.5°	227.1	222.8	218.8	215.9	214.7	215.7	216.7	217.4	218.6	219.5	220.2
40°	218.4	215.2	211.4	208.7	209.1	209.7	210.4	211.4	212.4	213.0	213.7
42.5°	210.3	207.0	204.1	201.9	202.4	203.2	203.6	204.1	205.2	206.3	206.7
45°	198.1	195.4	192.8	191.4	191.8	192.2	192.6	193.1	194.1	194.9	195.1
47.5°	184.3	182.5	180.7	179.4	180.0	179.9	180.3	181.6	181.8	182.3	183.4
50°	175.5	173.8	171.7	171.3	171.3	171.3	171.5	173.0	173.0	173.8	174.6
52.5°	165.8	164.7	163.4	162.7	162.3	162.3	163.1	163.9	164.2	165.3	166.1
55°	151.4	150.3	149.1	148.5	148.1	148.5	150.0	150.4	151.4	152.0	152.5
57.5°	136.4	135.5	134.6	134.3	134.2	134.7	135.5	136.6	136.9	138.7	139.5
60°	126.5	125.1	124.4	124.4	124.0	125.7	125.4	127.3	127.7	128.8	130.1
62.5°	116.3	114.5	114.2	114.2	114.8	115.3	115.8	116.6	117.6	119.0	120.1
65°	99.9	99.0	100.3	100.1	99.7	100.9	100.9	101.8	103.0	104.3	106.4
67.5°	84.4	83.9	84.0	84.0	84.5	85.2	85.8	86.6	88.0	89.4	90.7
70°	73.9	74.4	73.5	74.3	74.8	75.0	75.4	76.6	78.0	79.0	80.6
72.5°	63.7	63.7	63.8	64.1	64.7	65.0	65.4	66.7	68.3	69.1	70.4
75°	49.0	48.8	49.4	49.4	50.3	50.7	51.1	51.7	53.2	54.3	55.3
77.5°	35.8	36.0	35.9	36.5	36.3	36.4	37.5	38.1	38.2	40.5	41.0
80°	27.0	27.3	27.6	27.7	27.9	27.6	28.9	29.4	29.4	30.7	31.7
82.5°	19.4	19.6	20.1	20.3	20.3	20.7	20.8	21.2	21.7	22.3	23.5
85°	9.7	10.3	10.4	10.3	10.4	10.0	10.6	10.8	11.0	11.0	11.0
87.5°	3.7	3.9	4.0	4.3	4.3	4.6	4.6	4.3	4.4	4.9	4.4
90°	3.2	3.8	4.6	5.5	6.4	7.2	6.9	7.2	7.5	7.7	8.3
92.5°	12.4	16.6	24.2	36.6	48.8	44.3	33.4	24.3	19.2	17.0	15.5
95°	26.3	37.4	62.0	104.8	152.1	170.9	138.6	103.7	70.3	55.0	44.7
97.5°	31.1	43.3	66.7	115.0	193.9	264.8	283.2	258.5	207.1	169.9	135.5
100°	34.6	45.8	66.0	108.6	184.4	272.9	329.6	339.7	316.3	282.7	241.7
102.5°	38.5	48.8	66.9	103.1	170.6	257.9	331.9	366.6	365.9	346.3	320.3
105°	44.9	53.9	69.5	99.1	153.6	231.6	314.3	374.5	403.3	408.8	401.4
107.5°	52.2	60.5	74.2	98.8	142.8	208.5	283.6	351.8	398.6	423.9	434.1
110°	57.1	65.1	78.1	100.0	138.6	195.3	264.2	330.2	383.2	419.5	439.7



TEST NUMBER: P331867-930

CATALOG NUMBER: S123DIP-S340D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	62.1	70.0	82.0	102.3	136.2	186.5	247.4	308.8	362.9	403.6	429.5
115°	69.7	77.5	88.5	106.0	135.4	177.2	227.1	280.3	330.4	372.8	404.2
117.5°	77.3	84.5	95.3	111.0	135.9	171.6	214.7	259.8	303.0	341.0	372.9
120°	82.1	89.3	99.7	114.6	136.9	169.1	208.3	248.9	287.8	322.4	351.5
122.5°	86.5	94.2	104.3	118.1	138.4	167.5	203.0	240.4	275.6	307.6	334.7
125°	93.0	100.9	111.0	123.6	140.9	165.3	196.2	229.0	260.5	288.1	311.2
127.5°	99.1	107.0	116.7	128.1	143.7	164.4	190.2	219.2	247.1	272.1	293.1
130°	102.9	110.6	120.2	131.1	145.5	163.6	186.9	212.9	238.9	262.2	281.8
132.5°	106.3	113.9	123.1	133.9	146.9	163.4	184.0	207.2	231.0	252.7	271.4
135°	111.0	118.7	127.6	137.5	149.0	163.1	180.1	199.3	219.8	238.6	254.9
137.5°	115.0	122.1	130.8	140.1	150.3	162.4	176.7	192.2	209.0	225.2	239.5
140°	117.2	124.5	132.8	141.5	151.2	162.2	174.6	188.2	202.8	216.6	229.0
142.5°	119.6	126.3	134.4	142.8	152.0	161.8	172.8	184.3	196.8	208.8	219.6
145°	122.5	129.1	136.6	144.3	152.4	161.0	170.2	179.5	189.0	198.2	206.6
147.5°	125.8	131.4	138.3	145.3	152.4	160.0	167.9	175.6	183.2	190.6	196.6
150°	127.6	132.8	139.4	145.5	152.4	159.1	166.2	172.8	179.5	185.6	191.0
152.5°	129.5	134.4	140.1	145.9	151.7	157.9	164.4	170.3	176.0	181.4	186.0
155°	132.6	136.6	141.5	146.1	151.0	155.9	161.6	166.6	171.1	175.5	178.9
157.5°	135.2	138.3	142.2	146.3	150.0	154.1	158.5	162.5	166.3	169.7	172.4
160°	136.6	139.4	142.9	146.3	149.5	152.7	156.5	160.2	163.4	166.2	168.3
162.5°	137.7	140.1	143.2	146.1	148.6	151.3	154.3	157.4	160.1	162.8	164.6
165°	139.2	141.2	143.5	145.5	147.2	149.3	151.6	153.8	155.6	157.6	159.1
167.5°	140.5	141.8	143.4	145.0	145.9	147.2	148.9	150.7	152.1	153.2	154.3
170°	141.2	141.8	143.2	144.3	145.0	145.8	147.2	148.6	149.5	150.7	151.2
172.5°	141.6	141.9	143.2	144.1	144.2	144.6	145.6	146.8	147.5	148.4	148.7
175°	142.0	142.4	142.9	143.5	143.2	143.2	143.7	144.3	144.6	145.2	145.2
177.5°	142.4	142.4	142.6	143.0	142.6	142.4	142.6	142.8	143.0	143.2	143.2
180°	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4



TEST NUMBER: P331867-930

CATALOG NUMBER: S123DIP-S340D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0
2.5°	374.9	374.7	375.8	375.0	375.8	374.7	374.9	375.9	376.3	376.3	376.3
5°	348.9	349.5	347.6	347.6	347.6	349.5	348.9	350.1	351.0	351.8	352.9
7.5°	325.8	325.0	325.1	324.0	325.1	325.0	325.8	326.7	327.9	329.6	331.2
10°	311.7	310.5	310.1	310.4	310.1	310.5	311.7	314.0	314.7	316.3	318.0
12.5°	299.9	299.8	297.3	297.3	297.3	299.8	299.9	300.6	302.2	305.5	307.4
15°	286.3	282.7	282.3	283.4	282.3	282.7	286.3	286.3	287.0	289.4	290.6
17.5°	272.5	270.5	270.7	270.1	270.7	270.5	272.5	272.7	273.4	275.4	276.9
20°	265.1	264.0	263.8	262.5	263.8	264.0	265.1	265.1	266.0	266.8	268.4
22.5°	258.4	258.1	258.2	256.7	258.2	258.1	258.4	258.9	259.7	260.3	261.4
25°	250.1	251.1	250.3	250.3	250.3	251.1	250.1	250.3	250.5	251.4	252.3
27.5°	244.5	244.5	244.1	244.1	244.1	244.5	244.5	244.1	243.9	243.5	243.4
30°	240.3	240.1	240.4	240.4	240.4	240.1	240.3	239.5	239.1	239.0	238.1
32.5°	236.0	236.3	236.4	236.5	236.4	236.3	236.0	235.1	234.4	233.9	233.3
35°	229.4	229.7	230.2	229.8	230.2	229.7	229.4	228.3	227.6	226.4	225.4
37.5°	220.5	221.4	221.3	221.5	221.3	221.4	220.5	220.2	219.5	218.6	217.4
40°	213.9	214.4	214.3	214.3	214.3	214.4	213.9	213.7	213.0	212.4	211.4
42.5°	207.0	207.4	206.9	206.7	206.9	207.4	207.0	206.7	206.3	205.2	204.1
45°	195.8	195.4	196.0	195.3	196.0	195.4	195.8	195.1	194.9	194.1	193.1
47.5°	183.3	183.7	183.8	184.4	183.8	183.7	183.3	183.4	182.3	181.8	181.6
50°	175.0	176.1	176.1	175.9	176.1	176.1	175.0	174.6	173.8	173.0	173.0
52.5°	166.7	167.2	168.0	168.0	168.0	167.2	166.7	166.1	165.3	164.2	163.9
55°	154.0	154.4	154.8	155.0	154.8	154.4	154.0	152.5	152.0	151.4	150.4
57.5°	140.9	140.7	141.6	141.9	141.6	140.7	140.9	139.5	138.7	136.9	136.6
60°	131.6	131.6	133.1	133.7	133.1	131.6	131.6	130.1	128.8	127.7	127.3
62.5°	121.7	122.4	123.8	123.1	123.8	122.4	121.7	120.1	119.0	117.6	116.6
65°	107.3	108.8	108.7	109.4	108.7	108.8	107.3	106.4	104.3	103.0	101.8
67.5°	92.2	93.2	94.6	94.7	94.6	93.2	92.2	90.7	89.4	88.0	86.6
70°	82.0	83.0	83.7	84.3	83.7	83.0	82.0	80.6	79.0	78.0	76.6
72.5°	72.2	72.6	74.5	73.7	74.5	72.6	72.2	70.4	69.1	68.3	66.7
75°	56.6	58.0	59.1	58.5	59.1	58.0	56.6	55.3	54.3	53.2	51.7
77.5°	41.8	43.2	43.7	43.2	43.7	43.2	41.8	41.0	40.5	38.2	38.1
80°	33.0	32.9	34.0	33.8	34.0	32.9	33.0	31.7	30.7	29.4	29.4
82.5°	24.2	24.1	24.5	24.7	24.5	24.1	24.2	23.5	22.3	21.7	21.2
85°	11.7	12.3	11.6	11.4	11.6	12.3	11.7	11.0	11.0	11.0	10.8
87.5°	4.3	4.4	4.3	4.1	4.3	4.4	4.3	4.4	4.9	4.4	4.3
90°	8.1	8.3	8.6	8.3	8.6	8.3	8.1	8.3	7.7	7.5	7.2
92.5°	15.0	14.1	14.4	13.9	14.4	14.1	15.0	15.5	17.0	19.2	24.3
95°	39.2	36.6	34.6	33.4	34.6	36.6	39.2	44.7	55.0	70.3	103.7
97.5°	114.2	101.3	93.4	91.0	93.4	101.3	114.2	135.5	169.9	207.1	258.5
100°	212.6	191.6	180.3	180.7	180.3	191.6	212.6	241.7	282.7	316.3	339.7
102.5°	297.7	281.0	271.7	265.0	271.7	281.0	297.7	320.3	346.3	365.9	366.6
105°	388.1	377.2	367.9	366.5	367.9	377.2	388.1	401.4	408.8	403.3	374.5
107.5°	434.4	430.6	427.5	424.9	427.5	430.6	434.4	434.1	423.9	398.6	351.8
110°	447.8	450.0	449.5	448.9	449.5	450.0	447.8	439.7	419.5	383.2	330.2



TEST NUMBER: P331867-930

CATALOG NUMBER: S123DIP-S340D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	444.3	451.4	453.6	453.7	453.6	451.4	444.3	429.5	403.6	362.9	308.8
115°	425.8	438.5	444.3	445.7	444.3	438.5	425.8	404.2	372.8	330.4	280.3
117.5°	395.5	410.0	418.2	420.2	418.2	410.0	395.5	372.9	341.0	303.0	259.8
120°	374.2	390.4	397.3	399.0	397.3	390.4	374.2	351.5	322.4	287.8	248.9
122.5°	354.9	369.4	377.0	379.2	377.0	369.4	354.9	334.7	307.6	275.6	240.4
125°	329.6	342.3	349.5	351.5	349.5	342.3	329.6	311.2	288.1	260.5	229.0
127.5°	309.5	320.3	326.9	328.6	326.9	320.3	309.5	293.1	272.1	247.1	219.2
130°	297.0	307.4	313.5	315.8	313.5	307.4	297.0	281.8	262.2	238.9	212.9
132.5°	285.8	296.1	301.5	303.1	301.5	296.1	285.8	271.4	252.7	231.0	207.2
135°	269.1	277.8	282.9	284.9	282.9	277.8	269.1	254.9	238.6	219.8	199.3
137.5°	251.3	260.1	264.4	265.8	264.4	260.1	251.3	239.5	225.2	209.0	192.2
140°	240.0	248.1	252.7	252.4	252.7	248.1	240.0	229.0	216.6	202.8	188.2
142.5°	228.9	236.1	240.2	239.9	240.2	236.1	228.9	219.6	208.8	196.8	184.3
145°	213.8	219.8	222.2	222.7	222.2	219.8	213.8	206.6	198.2	189.0	179.5
147.5°	202.0	206.1	208.3	208.6	208.3	206.1	202.0	196.6	190.6	183.2	175.6
150°	195.3	198.5	200.2	200.2	200.2	198.5	195.3	191.0	185.6	179.5	172.8
152.5°	189.3	192.2	193.3	193.3	193.3	192.2	189.3	186.0	181.4	176.0	170.3
155°	181.5	183.8	184.4	184.7	184.4	183.8	181.5	178.9	175.5	171.1	166.6
157.5°	174.6	176.3	176.8	176.8	176.8	176.3	174.6	172.4	169.7	166.3	162.5
160°	170.2	172.0	172.0	171.7	172.0	172.0	170.2	168.3	166.2	163.4	160.2
162.5°	165.9	167.4	167.4	167.1	167.4	167.4	165.9	164.6	162.8	160.1	157.4
165°	160.2	161.3	161.0	161.0	161.0	161.3	160.2	159.1	157.6	155.6	153.8
167.5°	154.7	155.6	155.3	155.3	155.3	155.6	154.7	154.3	153.2	152.1	150.7
170°	151.6	152.1	151.8	151.8	151.8	152.1	151.6	151.2	150.7	149.5	148.6
172.5°	148.8	149.4	148.9	148.6	148.9	149.4	148.8	148.7	148.4	147.5	146.8
175°	145.2	145.5	145.2	145.0	145.2	145.5	145.2	145.2	145.2	144.6	144.3
177.5°	143.0	143.2	142.8	142.8	142.8	143.2	143.0	143.2	143.2	143.0	142.8
180°	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4



TEST NUMBER: P331867-930

CATALOG NUMBER: S123DIP-S340D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0
2.5°	375.9	375.9	378.8	380.7	382.9	384.4	385.5	386.5	388.4	390.8	393.5
5°	354.4	355.1	359.4	363.5	367.5	371.0	373.8	377.2	381.4	386.5	392.2
7.5°	333.6	336.6	340.7	345.8	351.4	356.4	361.4	367.0	373.0	380.5	388.5
10°	320.2	323.4	328.6	335.1	341.0	346.8	353.1	359.1	366.6	375.5	385.8
12.5°	308.5	311.6	316.9	323.9	329.5	336.1	343.2	351.1	359.5	370.1	381.8
15°	292.3	296.0	302.4	305.8	314.4	322.1	328.8	340.1	350.8	361.8	375.3
17.5°	279.0	281.0	286.3	292.6	299.0	307.8	316.4	326.0	336.6	350.0	366.9
20°	269.9	271.6	277.3	284.0	290.8	298.8	306.6	316.1	328.0	342.3	360.5
22.5°	263.1	264.9	268.6	275.7	282.1	288.8	296.5	307.9	320.6	334.5	354.2
25°	253.2	254.3	256.8	262.5	268.2	275.6	282.4	293.1	306.1	322.5	342.3
27.5°	243.8	244.9	247.0	251.0	256.4	262.4	269.9	278.8	292.1	309.9	330.8
30°	238.1	238.4	240.3	244.1	248.7	253.6	260.4	270.7	283.2	301.3	323.3
32.5°	233.3	232.6	233.9	236.8	241.2	246.1	251.8	261.9	273.9	291.6	314.3
35°	225.1	224.7	224.1	226.6	230.4	234.2	239.1	246.7	260.4	277.0	300.7
37.5°	216.7	215.7	214.7	215.9	218.8	222.8	227.1	233.8	245.6	263.8	286.6
40°	210.4	209.7	209.1	208.7	211.4	215.2	218.4	224.9	235.9	253.2	275.6
42.5°	203.6	203.2	202.4	201.9	204.1	207.0	210.3	216.1	227.1	243.3	264.5
45°	192.6	192.2	191.8	191.4	192.8	195.4	198.1	202.3	211.8	227.6	246.7
47.5°	180.3	179.9	180.0	179.4	180.7	182.5	184.3	188.8	197.9	210.7	224.7
50°	171.5	171.3	171.3	171.3	171.7	173.8	175.5	179.0	187.3	200.0	210.1
52.5°	163.1	162.3	162.3	162.7	163.4	164.7	165.8	169.5	176.8	187.3	196.4
55°	150.0	148.5	148.1	148.5	149.1	150.3	151.4	154.4	160.7	168.4	173.8
57.5°	135.5	134.7	134.2	134.3	134.6	135.5	136.4	139.7	144.6	148.7	152.1
60°	125.4	125.7	124.0	124.4	124.4	125.1	126.5	128.6	132.7	135.6	139.0
62.5°	115.8	115.3	114.8	114.2	114.2	114.5	116.3	118.0	121.6	123.0	125.6
65°	100.9	100.9	99.7	100.1	100.3	99.0	99.9	101.8	104.1	104.7	107.1
67.5°	85.8	85.2	84.5	84.0	84.0	83.9	84.4	85.3	87.0	87.2	89.1
70°	75.4	75.0	74.8	74.3	73.5	74.4	73.9	74.8	75.8	76.0	77.1
72.5°	65.4	65.0	64.7	64.1	63.8	63.7	63.7	64.8	65.5	65.2	66.4
75°	51.1	50.7	50.3	49.4	49.4	48.8	49.0	49.7	50.5	50.0	51.1
77.5°	37.5	36.4	36.3	36.5	35.9	36.0	35.8	35.7	36.0	36.0	37.1
80°	28.9	27.6	27.9	27.7	27.6	27.3	27.0	27.1	27.3	27.6	28.1
82.5°	20.8	20.7	20.3	20.3	20.1	19.6	19.4	19.7	19.9	19.8	20.2
85°	10.6	10.0	10.4	10.3	10.4	10.3	9.7	9.7	10.0	9.9	10.3
87.5°	4.6	4.6	4.3	4.3	4.0	3.9	3.7	3.7	3.7	3.6	3.8
90°	6.9	7.2	6.4	5.5	4.6	3.8	3.2	2.6	1.7	1.1	0.6
92.5°	33.4	44.3	48.8	36.6	24.2	16.6	12.4	9.9	7.7	5.3	3.6
95°	138.6	170.9	152.1	104.8	62.0	37.4	26.3	18.8	13.9	10.7	9.8
97.5°	283.2	264.8	193.9	115.0	66.7	43.3	31.1	23.7	19.5	17.0	16.7
100°	329.6	272.9	184.4	108.6	66.0	45.8	34.6	27.6	23.6	21.6	21.4
102.5°	331.9	257.9	170.6	103.1	66.9	48.8	38.5	32.3	28.5	26.7	26.2
105°	314.3	231.6	153.6	99.1	69.5	53.9	44.9	39.5	36.0	34.3	33.4
107.5°	283.6	208.5	142.8	98.8	74.2	60.5	52.2	47.0	43.7	42.0	41.2
110°	264.2	195.3	138.6	100.0	78.1	65.1	57.1	52.2	49.0	47.5	46.6



TEST NUMBER: P331867-930

CATALOG NUMBER: S123DIP-S340D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	247.4	186.5	136.2	102.3	82.0	70.0	62.1	57.2	54.1	52.6	51.8
115°	227.1	177.2	135.4	106.0	88.5	77.5	69.7	64.8	62.0	60.3	59.0
117.5°	214.7	171.6	135.9	111.0	95.3	84.5	77.3	71.8	69.1	67.7	66.4
120°	208.3	169.1	136.9	114.6	99.7	89.3	82.1	76.6	73.8	72.3	71.4
122.5°	203.0	167.5	138.4	118.1	104.3	94.2	86.5	81.3	78.1	76.7	75.8
125°	196.2	165.3	140.9	123.6	111.0	100.9	93.0	87.6	84.4	82.7	82.1
127.5°	190.2	164.4	143.7	128.1	116.7	107.0	99.1	93.1	89.9	87.7	86.9
130°	186.9	163.6	145.5	131.1	120.2	110.6	102.9	96.8	93.4	90.7	89.9
132.5°	184.0	163.4	146.9	133.9	123.1	113.9	106.3	100.3	96.1	93.3	92.2
135°	180.1	163.1	149.0	137.5	127.6	118.7	111.0	104.8	100.5	97.3	96.2
137.5°	176.7	162.4	150.3	140.1	130.8	122.1	115.0	108.9	104.4	101.3	100.0
140°	174.6	162.2	151.2	141.5	132.8	124.5	117.2	111.5	106.9	104.0	102.6
142.5°	172.8	161.8	152.0	142.8	134.4	126.3	119.6	113.8	109.7	106.6	105.3
145°	170.2	161.0	152.4	144.3	136.6	129.1	122.5	117.6	113.2	110.6	109.7
147.5°	167.9	160.0	152.4	145.3	138.3	131.4	125.8	121.1	117.3	114.8	114.3
150°	166.2	159.1	152.4	145.5	139.4	132.8	127.6	123.6	119.8	117.6	117.2
152.5°	164.4	157.9	151.7	145.9	140.1	134.4	129.5	125.9	122.6	120.3	120.3
155°	161.6	155.9	151.0	146.1	141.5	136.6	132.6	129.4	126.5	124.7	124.7
157.5°	158.5	154.1	150.0	146.3	142.2	138.3	135.2	132.5	130.0	128.6	128.3
160°	156.5	152.7	149.5	146.3	142.9	139.4	136.6	134.5	132.2	131.1	131.1
162.5°	154.3	151.3	148.6	146.1	143.2	140.1	137.7	135.9	134.1	133.1	133.1
165°	151.6	149.3	147.2	145.5	143.5	141.2	139.2	138.0	136.6	136.0	136.2
167.5°	148.9	147.2	145.9	145.0	143.4	141.8	140.5	139.7	138.6	138.3	138.6
170°	147.2	145.8	145.0	144.3	143.2	141.8	141.2	140.6	139.7	139.4	140.0
172.5°	145.6	144.6	144.2	144.1	143.2	141.9	141.6	141.3	140.6	140.6	141.0
175°	143.7	143.2	143.2	143.5	142.9	142.4	142.0	142.0	141.5	141.8	142.0
177.5°	142.6	142.4	142.6	143.0	142.6	142.4	142.4	142.4	142.1	142.4	142.6
180°	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4



TEST NUMBER: P331867-930

CATALOG NUMBER: S123DIP-S340D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0
2.5°	394.4	395.3	397.8	399.7	401.8	403.0	404.1	405.1	406.3	406.6	411.0
5°	396.2	400.0	406.7	411.6	417.7	424.3	428.8	431.0	436.5	441.0	450.1
7.5°	395.7	403.8	413.8	424.3	435.4	445.7	454.7	465.4	472.9	484.3	495.5
10°	395.3	406.1	419.0	432.3	447.8	462.3	475.2	489.7	501.7	517.4	530.8
12.5°	393.9	407.0	424.9	440.7	459.6	479.5	498.6	517.1	527.7	554.0	566.4
15°	390.5	406.1	428.5	452.4	478.4	502.0	526.3	545.7	577.0	600.0	614.7
17.5°	384.1	405.9	432.4	461.3	492.9	524.0	551.5	580.9	614.2	642.0	671.6
20°	381.0	405.0	434.6	466.5	499.4	534.5	565.8	601.1	637.4	664.8	702.8
22.5°	375.4	402.5	434.4	469.9	505.1	541.4	578.1	613.8	655.7	693.3	729.5
25°	366.2	396.6	429.7	469.4	510.5	547.0	590.9	638.2	681.8	730.3	766.4
27.5°	356.5	389.0	422.1	459.0	503.4	546.7	601.9	655.3	708.7	750.5	777.2
30°	349.1	380.7	414.8	452.1	495.9	547.4	609.1	667.4	719.5	755.4	770.4
32.5°	341.0	373.0	403.2	442.3	489.1	546.9	613.7	674.6	720.1	744.0	741.0
35°	328.4	355.1	384.7	422.2	477.3	543.6	616.4	675.2	703.1	698.0	659.3
37.5°	310.1	332.7	361.7	402.8	463.7	536.5	611.0	655.2	653.4	611.6	555.5
40°	298.8	318.0	345.8	389.1	453.0	532.0	602.7	631.4	607.1	548.7	481.5
42.5°	283.9	301.6	329.5	374.0	441.3	522.8	586.7	595.0	547.5	480.4	418.7
45°	260.8	276.4	305.2	351.2	423.7	502.6	547.8	527.4	463.4	394.1	347.2
47.5°	235.9	252.2	279.9	327.2	398.4	472.2	493.7	450.5	384.8	328.6	285.5
50°	220.3	235.9	263.1	310.7	381.2	447.3	456.2	400.4	340.0	290.6	255.3
52.5°	204.6	219.2	245.9	293.8	361.2	418.4	412.9	356.0	300.5	258.4	230.6
55°	181.0	194.9	220.3	265.1	326.5	371.9	352.0	297.7	251.7	219.0	197.9
57.5°	160.0	173.3	195.2	235.7	289.0	320.2	294.9	249.1	212.5	187.4	171.7
60°	145.7	157.4	178.4	216.0	262.3	286.0	261.0	220.5	189.7	169.6	155.6
62.5°	132.2	142.4	161.8	195.9	236.2	256.1	230.7	196.5	170.3	152.5	140.5
65°	111.7	121.0	138.1	164.7	197.7	211.0	189.1	161.4	141.1	127.8	119.8
67.5°	93.0	100.9	115.7	136.6	160.9	170.6	153.9	132.5	117.2	106.5	100.2
70°	80.6	87.4	99.0	117.0	139.0	146.4	130.9	113.2	102.0	93.4	87.6
72.5°	70.0	75.1	85.6	99.5	117.9	123.8	112.9	97.4	87.0	80.6	75.8
75°	53.4	57.6	64.4	75.6	88.3	91.7	83.6	73.9	66.9	62.3	58.7
77.5°	38.5	41.6	46.5	53.4	62.2	65.3	60.2	53.6	48.5	45.5	43.5
80°	29.0	31.6	35.7	41.4	46.7	48.4	45.4	40.4	36.9	35.1	33.4
82.5°	21.4	22.8	25.4	29.3	32.9	34.9	32.4	29.4	27.4	25.8	25.2
85°	10.8	11.6	12.7	14.3	16.6	17.3	16.3	15.6	14.4	13.5	13.5
87.5°	4.2	4.3	4.9	5.4	6.0	6.7	6.7	6.6	6.6	6.4	6.3
90°	1.1	1.7	2.6	3.2	3.8	4.6	5.5	6.4	7.2	6.9	7.2
92.5°	5.3	7.7	9.9	12.4	16.6	24.2	36.6	48.8	44.3	33.4	24.3
95°	10.7	13.9	18.8	26.3	37.4	62.0	104.8	152.1	170.9	138.6	103.7
97.5°	17.0	19.5	23.7	31.1	43.3	66.7	115.0	193.9	264.8	283.2	258.5
100°	21.6	23.6	27.6	34.6	45.8	66.0	108.6	184.4	272.9	329.6	339.7
102.5°	26.7	28.5	32.3	38.5	48.8	66.9	103.1	170.6	257.9	331.9	366.6
105°	34.3	36.0	39.5	44.9	53.9	69.5	99.1	153.6	231.6	314.3	374.5
107.5°	42.0	43.7	47.0	52.2	60.5	74.2	98.8	142.8	208.5	283.6	351.8
110°	47.5	49.0	52.2	57.1	65.1	78.1	100.0	138.6	195.3	264.2	330.2



TEST NUMBER: P331867-930

CATALOG NUMBER: S123DIP-S340D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	52.6	54.1	57.2	62.1	70.0	82.0	102.3	136.2	186.5	247.4	308.8
115°	60.3	62.0	64.8	69.7	77.5	88.5	106.0	135.4	177.2	227.1	280.3
117.5°	67.7	69.1	71.8	77.3	84.5	95.3	111.0	135.9	171.6	214.7	259.8
120°	72.3	73.8	76.6	82.1	89.3	99.7	114.6	136.9	169.1	208.3	248.9
122.5°	76.7	78.1	81.3	86.5	94.2	104.3	118.1	138.4	167.5	203.0	240.4
125°	82.7	84.4	87.6	93.0	100.9	111.0	123.6	140.9	165.3	196.2	229.0
127.5°	87.7	89.9	93.1	99.1	107.0	116.7	128.1	143.7	164.4	190.2	219.2
130°	90.7	93.4	96.8	102.9	110.6	120.2	131.1	145.5	163.6	186.9	212.9
132.5°	93.3	96.1	100.3	106.3	113.9	123.1	133.9	146.9	163.4	184.0	207.2
135°	97.3	100.5	104.8	111.0	118.7	127.6	137.5	149.0	163.1	180.1	199.3
137.5°	101.3	104.4	108.9	115.0	122.1	130.8	140.1	150.3	162.4	176.7	192.2
140°	104.0	106.9	111.5	117.2	124.5	132.8	141.5	151.2	162.2	174.6	188.2
142.5°	106.6	109.7	113.8	119.6	126.3	134.4	142.8	152.0	161.8	172.8	184.3
145°	110.6	113.2	117.6	122.5	129.1	136.6	144.3	152.4	161.0	170.2	179.5
147.5°	114.8	117.3	121.1	125.8	131.4	138.3	145.3	152.4	160.0	167.9	175.6
150°	117.6	119.8	123.6	127.6	132.8	139.4	145.5	152.4	159.1	166.2	172.8
152.5°	120.3	122.6	125.9	129.5	134.4	140.1	145.9	151.7	157.9	164.4	170.3
155°	124.7	126.5	129.4	132.6	136.6	141.5	146.1	151.0	155.9	161.6	166.6
157.5°	128.6	130.0	132.5	135.2	138.3	142.2	146.3	150.0	154.1	158.5	162.5
160°	131.1	132.2	134.5	136.6	139.4	142.9	146.3	149.5	152.7	156.5	160.2
162.5°	133.1	134.1	135.9	137.7	140.1	143.2	146.1	148.6	151.3	154.3	157.4
165°	136.0	136.6	138.0	139.2	141.2	143.5	145.5	147.2	149.3	151.6	153.8
167.5°	138.3	138.6	139.7	140.5	141.8	143.4	145.0	145.9	147.2	148.9	150.7
170°	139.4	139.7	140.6	141.2	141.8	143.2	144.3	145.0	145.8	147.2	148.6
172.5°	140.6	140.6	141.3	141.6	141.9	143.2	144.1	144.2	144.6	145.6	146.8
175°	141.8	141.5	142.0	142.0	142.4	142.9	143.5	143.2	143.2	143.7	144.3
177.5°	142.4	142.1	142.4	142.4	142.4	142.6	143.0	142.6	142.4	142.6	142.8
180°	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4	142.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	392.0	392.0	392.0	392.0	392.0	392.0	392.0
2.5°	412.5	412.7	414.3	415.6	415.0	415.7	416.0
5°	450.7	457.5	461.1	463.8	464.0	464.2	465.7
7.5°	504.8	512.2	517.6	525.7	528.1	530.8	530.1
10°	544.4	555.2	564.5	569.4	574.8	582.5	576.3
12.5°	581.3	600.5	614.7	622.3	627.3	628.8	625.8
15°	642.2	667.2	680.7	680.4	697.4	704.8	693.2
17.5°	698.0	721.1	739.7	749.2	763.4	766.5	765.2
20°	732.2	757.5	771.9	788.2	795.7	802.3	803.4
22.5°	761.7	784.4	799.9	813.4	819.6	822.8	824.7
25°	792.1	809.9	819.2	823.9	825.7	825.2	822.8
27.5°	789.9	791.3	781.1	771.0	762.0	751.9	748.4
30°	769.4	753.5	725.0	708.8	685.1	666.3	673.9
32.5°	715.5	683.7	651.8	616.4	587.3	578.9	570.5
35°	610.7	554.8	522.1	484.1	469.0	453.8	443.3
37.5°	494.0	450.9	412.1	387.3	372.0	362.4	357.3
40°	427.1	388.2	356.3	336.1	324.6	313.8	312.3
42.5°	373.8	337.6	313.6	297.6	286.5	281.8	278.5
45°	306.1	281.0	264.8	253.4	246.0	243.1	239.3
47.5°	259.2	241.3	229.2	221.4	215.8	213.7	213.4
50°	232.8	218.0	209.1	203.0	198.7	197.9	194.9
52.5°	213.1	200.2	193.3	188.0	184.8	182.7	181.8
55°	185.0	176.4	170.2	167.1	164.7	162.6	162.6
57.5°	161.8	154.7	150.6	148.0	147.2	145.8	144.8
60°	147.6	141.5	138.3	136.0	134.4	134.7	133.0
62.5°	133.6	129.6	126.5	124.3	122.5	122.5	122.6
65°	113.7	110.7	108.4	107.7	106.6	105.3	105.6
67.5°	96.4	93.6	91.8	90.5	90.1	89.4	90.5
70°	84.0	81.9	80.6	79.4	79.0	79.2	80.1
72.5°	72.6	71.1	70.2	69.7	68.8	68.9	69.5
75°	57.0	55.8	55.1	54.5	54.3	54.3	54.3
77.5°	41.8	41.6	41.3	40.4	40.4	40.7	40.7
80°	33.0	32.4	32.3	31.9	31.3	31.0	31.9
82.5°	24.7	24.1	24.0	23.9	23.0	22.9	23.7
85°	13.3	12.7	12.9	12.7	12.7	12.6	12.6
87.5°	6.2	6.1	6.1	6.2	6.1	6.0	6.2
90°	7.5	7.7	8.3	8.1	8.3	8.6	8.3
92.5°	19.2	17.0	15.5	15.0	14.1	14.4	13.9
95°	70.3	55.0	44.7	39.2	36.6	34.6	33.4
97.5°	207.1	169.9	135.5	114.2	101.3	93.4	91.0
100°	316.3	282.7	241.7	212.6	191.6	180.3	180.7
102.5°	365.9	346.3	320.3	297.7	281.0	271.7	265.0
105°	403.3	408.8	401.4	388.1	377.2	367.9	366.5
107.5°	398.6	423.9	434.1	434.4	430.6	427.5	424.9
110°	383.2	419.5	439.7	447.8	450.0	449.5	448.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	362.9	403.6	429.5	444.3	451.4	453.6	453.7
115°	330.4	372.8	404.2	425.8	438.5	444.3	445.7
117.5°	303.0	341.0	372.9	395.5	410.0	418.2	420.2
120°	287.8	322.4	351.5	374.2	390.4	397.3	399.0
122.5°	275.6	307.6	334.7	354.9	369.4	377.0	379.2
125°	260.5	288.1	311.2	329.6	342.3	349.5	351.5
127.5°	247.1	272.1	293.1	309.5	320.3	326.9	328.6
130°	238.9	262.2	281.8	297.0	307.4	313.5	315.8
132.5°	231.0	252.7	271.4	285.8	296.1	301.5	303.1
135°	219.8	238.6	254.9	269.1	277.8	282.9	284.9
137.5°	209.0	225.2	239.5	251.3	260.1	264.4	265.8
140°	202.8	216.6	229.0	240.0	248.1	252.7	252.4
142.5°	196.8	208.8	219.6	228.9	236.1	240.2	239.9
145°	189.0	198.2	206.6	213.8	219.8	222.2	222.7
147.5°	183.2	190.6	196.6	202.0	206.1	208.3	208.6
150°	179.5	185.6	191.0	195.3	198.5	200.2	200.2
152.5°	176.0	181.4	186.0	189.3	192.2	193.3	193.3
155°	171.1	175.5	178.9	181.5	183.8	184.4	184.7
157.5°	166.3	169.7	172.4	174.6	176.3	176.8	176.8
160°	163.4	166.2	168.3	170.2	172.0	172.0	171.7
162.5°	160.1	162.8	164.6	165.9	167.4	167.4	167.1
165°	155.6	157.6	159.1	160.2	161.3	161.0	161.0
167.5°	152.1	153.2	154.3	154.7	155.6	155.3	155.3
170°	149.5	150.7	151.2	151.6	152.1	151.8	151.8
172.5°	147.5	148.4	148.7	148.8	149.4	148.9	148.6
175°	144.6	145.2	145.2	145.2	145.5	145.2	145.0
177.5°	143.0	143.2	143.2	143.0	143.2	142.8	142.8
180°	142.4	142.4	142.4	142.4	142.4	142.4	142.4

(END OF REPORT)