

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: P331876-935

Luminaire Tested: **S123DIP-S340D585U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331876-935
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-S340D585U935-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 585 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3076.6 lumens
Efficiency: N/A
Efficacy: 120.2 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

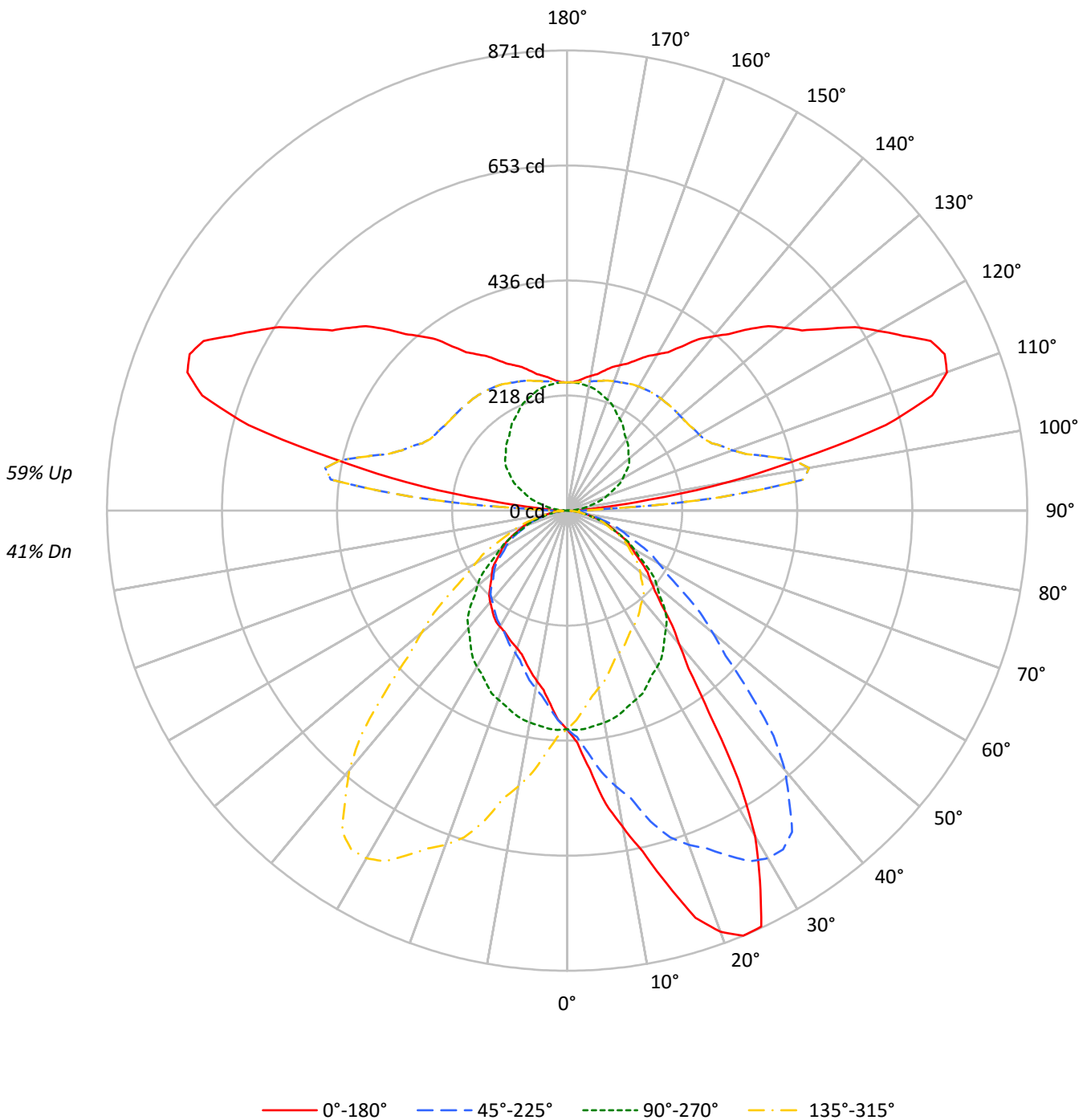
Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	0																			
RCR																																														
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41																												
1	96	92	88	85	87	84	81	78	69	67	65	55	54	52	42	41	41	35																												
2	87	80	74	69	79	73	68	64	60	57	54	49	46	44	38	36	34	29																												
3	80	71	64	58	73	65	59	54	53	49	45	43	40	37	33	31	30	25																												
4	73	63	55	49	66	57	51	46	48	43	39	38	35	32	30	28	26	22																												
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	27	24	22	19																												
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	25	22	20	17																												
7	57	45	37	32	52	42	35	30	35	29	26	28	24	22	22	20	18	15																												
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13																												
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12																												
10	46	34	27	22	42	32	25	21	27	22	18	22	18	16	18	15	13	11																												

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4456	4456	4456	4456
5°	5314	4475	3965	4475
10°	6652	4453	3583	4453
15°	8158	4416	3335	4416
20°	9718	4361	3175	4361
25°	10320	4292	3139	4292
30°	8846	4243	3156	4243
35°	6151	4172	3189	4172
40°	4634	4089	3180	4089
45°	3847	3965	3139	3965
50°	3446	3716	3110	3716
55°	3222	3445	3072	3445
60°	3023	3160	3040	3160
65°	2840	2881	2942	2881
70°	2662	2565	2801	2565
75°	2383	2246	2570	2246
80°	2089	1841	2213	1841
85°	1643	1334	1494	1334



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.8	1.3
10°-20°	130.8	4.3
20°-30°	219.5	7.1
30°-40°	248.5	8.1
40°-50°	222.9	7.2
50°-60°	179.8	5.8
60°-70°	125.3	4.1
70°-80°	65.9	2.1
80°-90°	18.0	0.6
90°-100°	135.0	4.4
100°-110°	382.3	12.4
110°-120°	376.1	12.2
120°-130°	300.0	9.7
130°-140°	236.5	7.7
140°-150°	176.5	5.7
150°-160°	123.0	4.0
160°-170°	72.3	2.3
170°-180°	23.5	0.8
0°-30°	391.0	12.7
0°-40°	639.5	20.8
0°-60°	1042.2	33.9
0°-90°	1251.4	40.7
90°-120°	893.4	29.0
90°-150°	1606.4	52.2
90°-180°	1825.0	59.3
0°-180°	3076.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	414	414	414	414	414	
5°	492	414	367	414	492	51
15°	732	396	299	396	732	211
25°	869	361	264	361	869	381
35°	468	318	243	318	468	304
45°	253	260	206	260	253	200
55°	172	184	164	184	172	154
65°	112	113	116	113	112	111
75°	57	54	62	54	57	61
85°	13	11	12	11	13	16
90°	14	1	14	1	14	8
95°	57	17	57	17	57	103
105°	625	57	625	57	625	616
115°	760	101	760	101	760	738
125°	599	140	599	140	599	543
135°	486	164	486	164	486	377
145°	380	187	380	187	380	241
155°	315	213	315	213	315	147
165°	274	232	274	232	274	78
175°	247	242	247	242	247	24
180°	243	243	243	243	243	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0
2.5°	439.4	439.0	438.2	438.9	437.6	435.8	435.7	434.0	429.4	429.1	427.8
5°	491.8	490.3	490.0	489.8	487.0	483.2	476.0	475.4	465.7	461.0	455.1
7.5°	559.8	560.6	557.7	555.2	546.6	540.9	533.1	523.2	511.4	499.4	491.5
10°	608.6	615.2	607.0	601.3	596.2	586.3	574.9	560.6	546.4	529.8	517.1
12.5°	660.9	664.1	662.5	657.2	649.1	634.1	613.9	598.1	585.0	557.3	546.1
15°	732.1	744.3	736.5	718.5	718.8	704.6	678.2	649.1	633.6	609.3	576.3
17.5°	808.0	809.5	806.2	791.2	781.2	761.6	737.1	709.3	678.0	648.6	613.5
20°	848.4	847.2	840.2	832.4	815.2	800.0	773.3	742.2	702.1	673.1	634.8
22.5°	870.9	868.9	865.6	859.0	844.7	828.4	804.3	770.4	732.2	692.4	648.2
25°	868.9	871.5	871.9	870.1	865.1	855.3	836.5	809.3	771.3	720.1	674.0
27.5°	790.3	794.0	804.7	814.2	824.8	835.7	834.2	820.8	792.6	748.4	692.0
30°	711.7	703.6	723.5	748.6	765.6	795.7	812.5	813.6	797.7	759.8	704.8
32.5°	602.5	611.4	620.2	651.0	688.3	722.0	755.6	782.6	785.7	760.4	712.4
35°	468.1	479.2	495.2	511.3	551.4	585.9	644.9	696.2	737.1	742.5	713.1
37.5°	377.3	382.7	392.9	409.0	435.1	476.1	521.7	586.6	645.9	690.0	691.9
40°	329.8	331.4	342.8	355.0	376.3	410.0	451.1	508.5	579.5	641.1	666.8
42.5°	294.1	297.6	302.6	314.3	331.2	356.5	394.8	442.2	507.3	578.2	628.4
45°	252.7	256.8	259.8	267.6	279.7	296.7	323.3	366.7	416.2	489.4	557.0
47.5°	225.4	225.7	227.9	233.8	242.0	254.9	273.7	301.5	347.0	406.4	475.8
50°	205.8	209.0	209.8	214.4	220.8	230.2	245.9	269.6	306.9	359.0	422.8
52.5°	192.0	193.0	195.2	198.5	204.1	211.5	225.1	243.6	272.9	317.4	376.0
55°	171.7	171.7	173.9	176.5	179.7	186.3	195.4	209.0	231.3	265.8	314.4
57.5°	152.9	153.9	155.5	156.3	159.0	163.4	170.9	181.3	197.9	224.5	263.0
60°	140.4	142.2	142.0	143.6	146.0	149.5	155.8	164.3	179.1	200.4	232.9
62.5°	129.5	129.4	129.3	131.3	133.6	136.9	141.1	148.4	161.0	179.9	207.5
65°	111.5	111.2	112.5	113.7	114.5	116.9	120.1	126.6	135.0	149.0	170.5
67.5°	95.6	94.4	95.1	95.6	96.9	98.8	101.9	105.8	112.4	123.7	139.9
70°	84.6	83.6	83.4	83.9	85.1	86.4	88.7	92.5	98.7	107.7	119.5
72.5°	73.4	72.8	72.7	73.6	74.1	75.1	76.6	80.1	85.1	91.9	102.9
75°	57.3	57.3	57.3	57.6	58.2	59.0	60.2	62.0	65.8	70.6	78.0
77.5°	43.0	43.0	42.7	42.7	43.6	43.9	44.2	45.9	48.0	51.2	56.7
80°	33.7	32.7	33.1	33.7	34.1	34.3	34.9	35.3	37.1	38.9	42.7
82.5°	25.1	24.2	24.3	25.2	25.3	25.5	26.1	26.6	27.3	28.9	31.0
85°	13.3	13.3	13.4	13.4	13.6	13.4	14.0	14.2	14.2	15.2	16.4
87.5°	7.7	7.4	7.5	7.6	7.5	7.5	7.5	7.6	7.7	7.9	7.7
90°	14.2	14.7	14.2	13.8	14.2	13.3	12.7	12.3	11.8	12.3	10.8
92.5°	23.7	24.5	24.0	25.6	26.4	29.0	32.8	41.3	57.0	75.5	83.1
95°	57.0	58.9	62.3	66.8	76.1	93.8	119.9	176.8	236.2	291.2	259.3
97.5°	155.1	159.3	172.5	194.7	230.9	289.6	353.0	440.7	482.8	451.3	330.4
100°	307.9	307.5	326.6	362.4	412.0	481.7	539.2	579.0	561.8	465.0	314.3
102.5°	451.7	463.0	479.0	507.4	546.0	590.2	623.7	625.0	565.8	439.5	290.8
105°	624.7	627.2	642.8	661.5	684.1	696.9	687.5	638.4	535.8	394.9	261.7
107.5°	724.3	728.8	734.1	740.4	739.9	722.5	679.5	599.7	483.4	355.3	243.3
110°	765.1	766.1	767.1	763.2	749.4	715.1	653.2	562.7	450.3	332.9	236.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	773.4	773.2	769.5	757.2	732.1	687.9	618.5	526.2	421.6	318.1	232.3
115°	759.7	757.2	747.4	725.8	689.0	635.5	563.3	477.9	387.0	302.0	230.8
117.5°	716.3	713.0	698.8	674.1	635.7	581.3	516.5	442.7	366.1	292.6	231.7
120°	680.2	677.2	665.5	637.9	599.2	549.5	490.6	424.3	355.1	288.3	233.2
122.5°	646.4	642.7	629.6	604.9	570.4	524.3	469.8	409.7	346.0	285.5	236.0
125°	599.2	595.7	583.4	561.8	530.4	491.1	443.9	390.4	334.4	281.9	240.1
127.5°	560.3	557.1	546.0	527.5	499.6	463.8	421.3	373.5	324.3	280.1	244.9
130°	538.2	534.3	524.0	506.4	480.3	446.9	407.1	362.9	318.7	279.0	248.0
132.5°	516.6	513.8	504.7	487.1	462.6	430.8	393.7	353.1	313.6	278.5	250.4
135°	485.7	482.2	473.4	458.7	434.6	406.7	374.7	339.8	306.9	277.9	253.9
137.5°	453.0	450.7	443.2	428.3	408.1	383.8	356.4	327.8	301.2	276.9	256.2
140°	430.2	430.7	422.8	409.1	390.4	369.3	345.7	320.7	297.6	276.5	257.8
142.5°	409.0	409.5	402.4	390.2	374.3	355.9	335.5	314.0	294.5	275.7	259.0
145°	379.6	378.7	374.7	364.4	352.1	337.9	322.2	305.9	290.2	274.5	259.8
147.5°	355.4	355.1	351.3	344.3	335.0	324.9	312.2	299.4	286.1	272.7	259.8
150°	341.3	341.3	338.4	332.9	325.6	316.2	305.9	294.6	283.4	271.0	259.8
152.5°	329.5	329.5	327.8	322.7	316.9	309.2	300.1	290.3	280.3	269.1	258.6
155°	314.8	314.3	313.3	309.4	305.0	299.1	291.7	283.9	275.5	265.7	257.4
157.5°	301.4	301.4	300.7	297.7	293.9	289.3	283.5	277.0	270.2	262.6	255.6
160°	292.7	293.2	293.2	290.2	286.8	283.4	278.4	273.0	266.7	260.3	254.9
162.5°	284.8	285.3	285.3	282.8	280.5	277.5	272.9	268.4	263.1	258.0	253.3
165°	274.5	274.5	275.0	273.0	271.0	268.6	265.2	262.3	258.3	254.4	251.0
167.5°	264.7	264.7	265.2	263.8	262.9	261.1	259.2	256.9	253.7	250.8	248.6
170°	258.8	258.8	259.3	258.3	257.8	256.8	254.9	253.4	251.0	248.5	247.0
172.5°	253.3	253.7	254.6	253.6	253.5	252.9	251.3	250.3	248.2	246.5	245.8
175°	247.0	247.5	248.0	247.5	247.5	247.5	246.5	246.1	245.0	244.1	244.1
177.5°	243.4	243.4	244.2	243.7	244.2	244.2	243.7	243.4	243.0	242.6	243.0
180°	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0
2.5°	426.8	425.6	424.3	422.1	420.1	417.4	416.6	415.6	412.7	410.2	408.2
5°	452.9	448.1	441.1	434.6	429.5	422.4	418.4	414.2	408.2	402.8	398.4
7.5°	480.2	470.7	459.8	448.1	437.0	426.5	417.9	410.3	401.8	393.9	387.6
10°	501.9	488.2	472.9	456.5	442.5	428.9	417.4	407.4	396.6	387.1	379.3
12.5°	526.6	506.4	485.3	465.4	448.8	429.8	415.9	403.2	390.9	379.6	370.8
15°	555.8	530.1	505.2	477.8	452.5	428.9	412.4	396.3	382.1	370.5	359.2
17.5°	582.5	553.4	520.6	487.2	456.7	428.6	405.6	387.4	369.6	355.4	344.2
20°	597.5	564.5	527.4	492.7	458.9	427.7	402.3	380.7	361.4	346.4	333.8
22.5°	610.5	571.8	533.4	496.3	458.7	425.1	396.4	374.1	353.3	338.5	325.1
25°	624.1	577.6	539.2	495.7	453.7	418.8	386.8	361.4	340.6	323.3	309.5
27.5°	635.6	577.3	531.6	484.7	445.7	410.8	376.5	349.4	327.3	308.5	294.5
30°	643.3	578.1	523.7	477.4	438.1	402.0	368.7	341.4	318.1	299.1	285.9
32.5°	648.1	577.6	516.5	467.1	425.9	393.9	360.2	331.9	308.0	289.3	276.6
35°	650.9	574.0	504.0	445.9	406.2	375.1	346.8	317.5	292.5	275.0	260.5
37.5°	645.2	566.6	489.7	425.4	381.9	351.4	327.5	302.6	278.6	259.4	246.9
40°	636.5	561.8	478.4	411.0	365.2	335.8	315.6	291.0	267.3	249.1	237.5
42.5°	619.6	552.1	466.1	394.9	347.9	318.5	299.8	279.3	256.9	239.8	228.2
45°	578.5	530.7	447.5	370.9	322.4	291.9	275.4	260.5	240.3	223.7	213.6
47.5°	521.4	498.7	420.7	345.5	295.6	266.3	249.2	237.3	222.5	209.0	199.4
50°	481.8	472.3	402.6	328.1	277.8	249.1	232.6	221.9	211.2	197.8	189.0
52.5°	436.1	441.9	381.4	310.2	259.7	231.4	216.0	207.4	197.8	186.7	179.0
55°	371.7	392.7	344.8	280.0	232.6	205.8	191.1	183.6	177.9	169.7	163.1
57.5°	311.4	338.2	305.2	248.9	206.1	183.0	168.9	160.7	157.0	152.7	147.5
60°	275.6	302.0	277.0	228.1	188.4	166.3	153.9	146.8	143.2	140.2	135.8
62.5°	243.7	270.4	249.4	206.9	170.8	150.4	139.6	132.7	129.9	128.4	124.6
65°	199.8	222.8	208.8	173.9	145.9	127.8	118.0	113.1	110.6	109.9	107.5
67.5°	162.6	180.1	170.0	144.2	122.2	106.6	98.2	94.1	92.1	91.9	90.1
70°	138.2	154.6	146.8	123.6	104.5	92.3	85.1	81.5	80.2	80.1	79.0
72.5°	119.2	130.7	124.5	105.1	90.4	79.3	74.0	70.2	68.9	69.1	68.4
75°	88.3	96.9	93.2	79.8	68.0	60.8	56.4	54.0	52.8	53.4	52.5
77.5°	63.5	69.0	65.7	56.4	49.1	43.9	40.6	39.2	38.1	38.1	37.7
80°	48.0	51.1	49.3	43.7	37.7	33.3	30.7	29.7	29.1	28.8	28.7
82.5°	34.2	36.9	34.7	30.9	26.8	24.1	22.6	21.4	20.9	21.0	20.8
85°	17.2	18.3	17.5	15.1	13.4	12.2	11.5	10.8	10.4	10.6	10.2
87.5°	7.8	7.7	6.9	6.0	5.5	4.7	4.6	4.0	4.0	4.1	4.2
90°	9.3	7.8	6.4	5.4	4.4	2.9	2.0	0.9	2.0	2.9	4.4
92.5°	62.3	41.2	28.4	21.1	17.0	13.2	9.0	6.1	9.0	13.2	17.0
95°	178.7	105.6	63.8	44.7	31.9	23.6	18.2	16.7	18.2	23.6	31.9
97.5°	196.1	113.7	73.8	53.0	40.5	33.2	29.0	28.5	29.0	33.2	40.5
100°	185.1	112.4	78.1	58.9	47.2	40.3	36.9	36.3	36.9	40.3	47.2
102.5°	175.7	114.0	83.2	65.6	55.0	48.6	45.5	44.6	45.5	48.6	55.0
105°	168.9	118.4	91.9	76.6	67.2	61.4	58.5	57.0	58.5	61.4	67.2
107.5°	168.4	126.4	103.1	89.0	80.2	74.5	71.6	70.1	71.6	74.5	80.2
110°	170.4	133.1	111.0	97.2	88.9	83.5	81.0	79.6	81.0	83.5	88.9



TEST NUMBER: P331876-935

CATALOG NUMBER: S123DIP-S340D585U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	174.4	139.7	119.2	105.9	97.6	92.1	89.7	88.2	89.7	92.1	97.6
115°	180.7	150.8	132.1	118.8	110.5	105.6	102.6	100.7	102.6	105.6	110.5
117.5°	189.2	162.5	144.0	131.7	122.3	117.9	115.4	113.1	115.4	117.9	122.3
120°	195.4	169.9	152.2	140.0	130.6	125.7	123.3	121.8	123.3	125.7	130.6
122.5°	201.4	177.8	160.5	147.4	138.4	133.2	130.7	129.2	130.7	133.2	138.4
125°	210.7	189.1	171.9	158.6	149.3	143.9	140.9	140.0	140.9	143.9	149.3
127.5°	218.3	198.9	182.3	169.0	158.7	153.3	149.6	148.1	149.6	153.3	158.7
130°	223.4	204.7	188.6	175.3	165.0	159.1	154.7	153.3	154.7	159.1	165.0
132.5°	228.2	209.9	194.1	181.2	170.9	163.8	159.0	157.1	159.0	163.8	170.9
135°	234.3	217.6	202.3	189.1	178.7	171.4	166.0	164.0	166.0	171.4	178.7
137.5°	238.8	222.8	208.2	196.0	185.7	177.9	172.5	170.5	172.5	177.9	185.7
140°	241.2	226.4	212.2	199.8	190.0	182.2	177.3	174.9	177.3	182.2	190.0
142.5°	243.5	229.1	215.3	203.8	194.0	186.9	181.6	179.5	181.6	186.9	194.0
145°	246.1	232.8	220.0	208.7	200.4	193.0	188.6	187.1	188.6	193.0	200.4
147.5°	247.6	235.7	224.0	214.4	206.4	200.0	195.6	194.8	195.6	200.0	206.4
150°	248.0	237.7	226.4	217.6	210.7	204.3	200.4	199.8	200.4	204.3	210.7
152.5°	248.8	238.8	229.1	220.7	214.6	209.1	205.1	205.0	205.1	209.1	214.6
155°	249.0	241.2	232.8	225.9	220.5	215.6	212.7	212.7	212.7	215.6	220.5
157.5°	249.5	242.4	235.7	230.4	225.8	221.4	219.1	218.7	219.1	221.4	225.8
160°	249.5	243.6	237.7	232.8	229.4	225.4	223.4	223.4	223.4	225.4	229.4
162.5°	249.1	244.0	238.8	234.7	231.7	228.6	227.0	227.0	227.0	228.6	231.7
165°	248.0	244.5	240.6	237.2	235.2	232.8	231.8	232.3	231.8	232.8	235.2
167.5°	247.2	244.4	241.6	239.4	238.1	236.2	235.7	236.3	235.7	236.2	238.1
170°	246.1	244.1	241.6	240.6	239.6	238.2	237.7	238.7	237.7	238.2	239.6
172.5°	245.6	244.1	242.0	241.4	240.8	239.8	239.6	240.2	239.6	239.8	240.8
175°	244.5	243.6	242.6	242.1	242.1	241.2	241.6	242.1	241.6	241.2	242.1
177.5°	243.7	243.0	242.6	242.6	242.6	242.2	242.6	243.0	242.6	242.2	242.6
180°	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6



TEST NUMBER: P331876-935

CATALOG NUMBER: S123DIP-S340D585U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0
2.5°	407.1	406.0	404.4	402.0	400.0	397.0	397.0	397.4	397.4	397.4	397.0
5°	394.8	391.8	388.1	383.9	379.5	375.1	374.3	372.6	371.5	370.7	369.7
7.5°	381.7	376.3	371.1	365.2	359.8	355.4	352.3	349.7	348.1	346.3	345.0
10°	372.9	366.3	360.1	353.9	347.0	341.6	338.2	335.8	334.0	332.3	331.6
12.5°	362.5	354.9	348.0	342.1	334.7	329.1	325.8	324.7	322.6	319.2	317.5
15°	347.2	340.2	332.0	323.0	319.3	312.5	308.7	306.9	305.7	303.1	302.3
17.5°	334.2	325.0	315.7	309.0	302.3	296.8	294.6	292.4	290.8	288.7	288.0
20°	323.7	315.6	307.1	299.9	292.8	286.8	285.0	283.4	281.8	280.9	280.0
22.5°	313.1	305.0	297.9	291.2	283.7	279.7	277.8	276.0	274.9	274.2	273.5
25°	298.3	291.0	283.2	277.2	271.2	268.5	267.3	266.4	265.5	264.6	264.3
27.5°	285.0	277.1	270.8	265.1	260.8	258.6	257.4	257.0	257.2	257.5	257.8
30°	275.0	267.8	262.6	257.8	253.7	251.8	251.5	251.5	252.4	252.5	253.0
32.5°	265.9	259.9	254.7	250.0	247.0	245.6	246.4	246.4	247.0	247.5	248.3
35°	252.5	247.3	243.3	239.3	236.7	237.3	237.7	238.1	239.1	240.3	241.1
37.5°	239.8	235.3	231.1	228.0	226.8	227.8	228.9	229.6	230.8	231.8	232.6
40°	230.7	227.2	223.3	220.4	220.8	221.4	222.2	223.3	224.3	224.9	225.7
42.5°	222.1	218.6	215.5	213.2	213.8	214.6	215.0	215.5	216.7	217.8	218.3
45°	209.2	206.4	203.6	202.2	202.6	203.0	203.4	204.0	205.0	205.8	206.0
47.5°	194.7	192.7	190.8	189.4	190.1	189.9	190.5	191.7	192.0	192.5	193.6
50°	185.4	183.6	181.3	180.9	180.9	180.9	181.2	182.7	182.7	183.6	184.3
52.5°	175.0	173.9	172.5	171.8	171.4	171.4	172.3	173.1	173.4	174.5	175.4
55°	159.9	158.7	157.5	156.9	156.4	156.9	158.4	158.9	159.9	160.5	161.1
57.5°	144.0	143.1	142.2	141.8	141.7	142.2	143.1	144.3	144.6	146.5	147.3
60°	133.6	132.2	131.4	131.4	131.0	132.8	132.4	134.4	134.8	136.0	137.4
62.5°	122.9	121.0	120.6	120.6	121.2	121.7	122.3	123.1	124.2	125.7	126.8
65°	105.5	104.5	105.9	105.7	105.3	106.5	106.5	107.5	108.7	110.1	112.4
67.5°	89.1	88.6	88.7	88.7	89.3	90.0	90.6	91.4	92.9	94.4	95.8
70°	78.0	78.6	77.7	78.4	79.0	79.2	79.6	80.8	82.4	83.4	85.1
72.5°	67.2	67.2	67.3	67.7	68.3	68.6	69.1	70.4	72.2	73.0	74.3
75°	51.7	51.6	52.2	52.2	53.1	53.6	54.0	54.6	56.1	57.3	58.4
77.5°	37.8	38.1	37.9	38.6	38.3	38.4	39.6	40.2	40.4	42.8	43.3
80°	28.5	28.8	29.1	29.3	29.4	29.1	30.5	31.1	31.1	32.5	33.5
82.5°	20.5	20.7	21.2	21.4	21.4	21.9	22.0	22.4	22.9	23.5	24.8
85°	10.2	10.8	11.0	10.8	11.0	10.6	11.2	11.5	11.6	11.6	11.6
87.5°	4.3	4.6	4.8	5.3	5.3	5.9	5.8	5.5	5.6	6.2	5.8
90°	5.4	6.4	7.8	9.3	10.8	12.3	11.8	12.3	12.7	13.3	14.2
92.5°	21.1	28.4	41.2	62.3	83.1	75.5	57.0	41.3	32.8	29.0	26.4
95°	44.7	63.8	105.6	178.7	259.3	291.2	236.2	176.8	119.9	93.8	76.1
97.5°	53.0	73.8	113.7	196.1	330.4	451.3	482.8	440.7	353.0	289.6	230.9
100°	58.9	78.1	112.4	185.1	314.3	465.0	561.8	579.0	539.2	481.7	412.0
102.5°	65.6	83.2	114.0	175.7	290.8	439.5	565.8	625.0	623.7	590.2	546.0
105°	76.6	91.9	118.4	168.9	261.7	394.9	535.8	638.4	687.5	696.9	684.1
107.5°	89.0	103.1	126.4	168.4	243.3	355.3	483.4	599.7	679.5	722.5	739.9
110°	97.2	111.0	133.1	170.4	236.2	332.9	450.3	562.7	653.2	715.1	749.4



TEST NUMBER: P331876-935

CATALOG NUMBER: S123DIP-S340D585U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	105.9	119.2	139.7	174.4	232.3	318.1	421.6	526.2	618.5	687.9	732.1
115°	118.8	132.1	150.8	180.7	230.8	302.0	387.0	477.9	563.3	635.5	689.0
117.5°	131.7	144.0	162.5	189.2	231.7	292.6	366.1	442.7	516.5	581.3	635.7
120°	140.0	152.2	169.9	195.4	233.2	288.3	355.1	424.3	490.6	549.5	599.2
122.5°	147.4	160.5	177.8	201.4	236.0	285.5	346.0	409.7	469.8	524.3	570.4
125°	158.6	171.9	189.1	210.7	240.1	281.9	334.4	390.4	443.9	491.1	530.4
127.5°	169.0	182.3	198.9	218.3	244.9	280.1	324.3	373.5	421.3	463.8	499.6
130°	175.3	188.6	204.7	223.4	248.0	279.0	318.7	362.9	407.1	446.9	480.3
132.5°	181.2	194.1	209.9	228.2	250.4	278.5	313.6	353.1	393.7	430.8	462.6
135°	189.1	202.3	217.6	234.3	253.9	277.9	306.9	339.8	374.7	406.7	434.6
137.5°	196.0	208.2	222.8	238.8	256.2	276.9	301.2	327.8	356.4	383.8	408.1
140°	199.8	212.2	226.4	241.2	257.8	276.5	297.6	320.7	345.7	369.3	390.4
142.5°	203.8	215.3	229.1	243.5	259.0	275.7	294.5	314.0	335.5	355.9	374.3
145°	208.7	220.0	232.8	246.1	259.8	274.5	290.2	305.9	322.2	337.9	352.1
147.5°	214.4	224.0	235.7	247.6	259.8	272.7	286.1	299.4	312.2	324.9	335.0
150°	217.6	226.4	237.7	248.0	259.8	271.0	283.4	294.6	305.9	316.2	325.6
152.5°	220.7	229.1	238.8	248.8	258.6	269.1	280.3	290.3	300.1	309.2	316.9
155°	225.9	232.8	241.2	249.0	257.4	265.7	275.5	283.9	291.7	299.1	305.0
157.5°	230.4	235.7	242.4	249.5	255.6	262.6	270.2	277.0	283.5	289.3	293.9
160°	232.8	237.7	243.6	249.5	254.9	260.3	266.7	273.0	278.4	283.4	286.8
162.5°	234.7	238.8	244.0	249.1	253.3	258.0	263.1	268.4	272.9	277.5	280.5
165°	237.2	240.6	244.5	248.0	251.0	254.4	258.3	262.3	265.2	268.6	271.0
167.5°	239.4	241.6	244.4	247.2	248.6	250.8	253.7	256.9	259.2	261.1	262.9
170°	240.6	241.6	244.1	246.1	247.0	248.5	251.0	253.4	254.9	256.8	257.8
172.5°	241.4	242.0	244.1	245.6	245.8	246.5	248.2	250.3	251.3	252.9	253.5
175°	242.1	242.6	243.6	244.5	244.1	244.1	245.0	246.1	246.5	247.5	247.5
177.5°	242.6	242.6	243.0	243.7	243.0	242.6	243.0	243.4	243.7	244.2	244.2
180°	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6



TEST NUMBER: P331876-935

CATALOG NUMBER: S123DIP-S340D585U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0
2.5°	395.9	395.7	396.8	396.1	396.8	395.7	395.9	397.0	397.4	397.4	397.4
5°	368.5	369.1	367.0	367.0	367.0	369.1	368.5	369.7	370.7	371.5	372.6
7.5°	344.1	343.2	343.3	342.2	343.3	343.2	344.1	345.0	346.3	348.1	349.7
10°	329.2	328.0	327.5	327.8	327.5	328.0	329.2	331.6	332.3	334.0	335.8
12.5°	316.8	316.6	313.9	313.9	313.9	316.6	316.8	317.5	319.2	322.6	324.7
15°	302.3	298.5	298.1	299.3	298.1	298.5	302.3	302.3	303.1	305.7	306.9
17.5°	287.7	285.7	285.9	285.2	285.9	285.7	287.7	288.0	288.7	290.8	292.4
20°	280.0	278.8	278.6	277.2	278.6	278.8	280.0	280.0	280.9	281.8	283.4
22.5°	272.9	272.6	272.7	271.1	272.7	272.6	272.9	273.5	274.2	274.9	276.0
25°	264.2	265.2	264.3	264.3	264.3	265.2	264.2	264.3	264.6	265.5	266.4
27.5°	258.2	258.2	257.8	257.8	257.8	258.2	258.2	257.8	257.5	257.2	257.0
30°	253.7	253.6	253.9	253.9	253.9	253.6	253.7	253.0	252.5	252.4	251.5
32.5°	249.3	249.5	249.6	249.8	249.6	249.5	249.3	248.3	247.5	247.0	246.4
35°	242.3	242.5	243.1	242.7	243.1	242.5	242.3	241.1	240.3	239.1	238.1
37.5°	232.9	233.8	233.7	233.9	233.7	233.8	232.9	232.6	231.8	230.8	229.6
40°	225.8	226.4	226.3	226.3	226.3	226.4	225.8	225.7	224.9	224.3	223.3
42.5°	218.6	219.0	218.5	218.3	218.5	219.0	218.6	218.3	217.8	216.7	215.5
45°	206.8	206.4	207.0	206.2	207.0	206.4	206.8	206.0	205.8	205.0	204.0
47.5°	193.6	194.0	194.2	194.8	194.2	194.0	193.6	193.6	192.5	192.0	191.7
50°	184.8	186.0	186.0	185.7	186.0	186.0	184.8	184.3	183.6	182.7	182.7
52.5°	176.1	176.6	177.5	177.4	177.5	176.6	176.1	175.4	174.5	173.4	173.1
55°	162.6	163.1	163.5	163.7	163.5	163.1	162.6	161.1	160.5	159.9	158.9
57.5°	148.8	148.6	149.6	149.9	149.6	148.6	148.8	147.3	146.5	144.6	144.3
60°	139.0	139.0	140.6	141.2	140.6	139.0	139.0	137.4	136.0	134.8	134.4
62.5°	128.5	129.2	130.8	130.0	130.8	129.2	128.5	126.8	125.7	124.2	123.1
65°	113.3	114.9	114.8	115.5	114.8	114.9	113.3	112.4	110.1	108.7	107.5
67.5°	97.4	98.4	99.9	100.0	99.9	98.4	97.4	95.8	94.4	92.9	91.4
70°	86.6	87.6	88.4	89.0	88.4	87.6	86.6	85.1	83.4	82.4	80.8
72.5°	76.2	76.7	78.7	77.8	78.7	76.7	76.2	74.3	73.0	72.2	70.4
75°	59.8	61.2	62.4	61.8	62.4	61.2	59.8	58.4	57.3	56.1	54.6
77.5°	44.2	45.6	46.1	45.6	46.1	45.6	44.2	43.3	42.8	40.4	40.2
80°	34.9	34.7	35.9	35.7	35.9	34.7	34.9	33.5	32.5	31.1	31.1
82.5°	25.6	25.4	25.9	26.1	25.9	25.4	25.6	24.8	23.5	22.9	22.4
85°	12.4	13.0	12.2	12.1	12.2	13.0	12.4	11.6	11.6	11.6	11.5
87.5°	5.6	5.8	5.7	5.4	5.7	5.8	5.6	5.8	6.2	5.6	5.5
90°	13.8	14.2	14.7	14.2	14.7	14.2	13.8	14.2	13.3	12.7	12.3
92.5°	25.6	24.0	24.5	23.7	24.5	24.0	25.6	26.4	29.0	32.8	41.3
95°	66.8	62.3	58.9	57.0	58.9	62.3	66.8	76.1	93.8	119.9	176.8
97.5°	194.7	172.5	159.3	155.1	159.3	172.5	194.7	230.9	289.6	353.0	440.7
100°	362.4	326.6	307.5	307.9	307.5	326.6	362.4	412.0	481.7	539.2	579.0
102.5°	507.4	479.0	463.0	451.7	463.0	479.0	507.4	546.0	590.2	623.7	625.0
105°	661.5	642.8	627.2	624.7	627.2	642.8	661.5	684.1	696.9	687.5	638.4
107.5°	740.4	734.1	728.8	724.3	728.8	734.1	740.4	739.9	722.5	679.5	599.7
110°	763.2	767.1	766.1	765.1	766.1	767.1	763.2	749.4	715.1	653.2	562.7



TEST NUMBER: P331876-935

CATALOG NUMBER: S123DIP-S340D585U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	757.2	769.5	773.2	773.4	773.2	769.5	757.2	732.1	687.9	618.5	526.2
115°	725.8	747.4	757.2	759.7	757.2	747.4	725.8	689.0	635.5	563.3	477.9
117.5°	674.1	698.8	713.0	716.3	713.0	698.8	674.1	635.7	581.3	516.5	442.7
120°	637.9	665.5	677.2	680.2	677.2	665.5	637.9	599.2	549.5	490.6	424.3
122.5°	604.9	629.6	642.7	646.4	642.7	629.6	604.9	570.4	524.3	469.8	409.7
125°	561.8	583.4	595.7	599.2	595.7	583.4	561.8	530.4	491.1	443.9	390.4
127.5°	527.5	546.0	557.1	560.3	557.1	546.0	527.5	499.6	463.8	421.3	373.5
130°	506.4	524.0	534.3	538.2	534.3	524.0	506.4	480.3	446.9	407.1	362.9
132.5°	487.1	504.7	513.8	516.6	513.8	504.7	487.1	462.6	430.8	393.7	353.1
135°	458.7	473.4	482.2	485.7	482.2	473.4	458.7	434.6	406.7	374.7	339.8
137.5°	428.3	443.2	450.7	453.0	450.7	443.2	428.3	408.1	383.8	356.4	327.8
140°	409.1	422.8	430.7	430.2	430.7	422.8	409.1	390.4	369.3	345.7	320.7
142.5°	390.2	402.4	409.5	409.0	409.5	402.4	390.2	374.3	355.9	335.5	314.0
145°	364.4	374.7	378.7	379.6	378.7	374.7	364.4	352.1	337.9	322.2	305.9
147.5°	344.3	351.3	355.1	355.4	355.1	351.3	344.3	335.0	324.9	312.2	299.4
150°	332.9	338.4	341.3	341.3	341.3	338.4	332.9	325.6	316.2	305.9	294.6
152.5°	322.7	327.8	329.5	329.5	329.5	327.8	322.7	316.9	309.2	300.1	290.3
155°	309.4	313.3	314.3	314.8	314.3	313.3	309.4	305.0	299.1	291.7	283.9
157.5°	297.7	300.7	301.4	301.4	301.4	300.7	297.7	293.9	289.3	283.5	277.0
160°	290.2	293.2	293.2	292.7	293.2	293.2	290.2	286.8	283.4	278.4	273.0
162.5°	282.8	285.3	285.3	284.8	285.3	285.3	282.8	280.5	277.5	272.9	268.4
165°	273.0	275.0	274.5	274.5	274.5	275.0	273.0	271.0	268.6	265.2	262.3
167.5°	263.8	265.2	264.7	264.7	264.7	265.2	263.8	262.9	261.1	259.2	256.9
170°	258.3	259.3	258.8	258.8	258.8	259.3	258.3	257.8	256.8	254.9	253.4
172.5°	253.6	254.6	253.7	253.3	253.7	254.6	253.6	253.5	252.9	251.3	250.3
175°	247.5	248.0	247.5	247.0	247.5	248.0	247.5	247.5	247.5	246.5	246.1
177.5°	243.7	244.2	243.4	243.4	243.4	244.2	243.7	244.2	244.2	243.7	243.4
180°	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6



TEST NUMBER: P331876-935

CATALOG NUMBER: S123DIP-S340D585U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0
2.5°	397.0	397.0	400.0	402.0	404.4	406.0	407.1	408.2	410.2	412.7	415.6
5°	374.3	375.1	379.5	383.9	388.1	391.8	394.8	398.4	402.8	408.2	414.2
7.5°	352.3	355.4	359.8	365.2	371.1	376.3	381.7	387.6	393.9	401.8	410.3
10°	338.2	341.6	347.0	353.9	360.1	366.3	372.9	379.3	387.1	396.6	407.4
12.5°	325.8	329.1	334.7	342.1	348.0	354.9	362.5	370.8	379.6	390.9	403.2
15°	308.7	312.5	319.3	323.0	332.0	340.2	347.2	359.2	370.5	382.1	396.3
17.5°	294.6	296.8	302.3	309.0	315.7	325.0	334.2	344.2	355.4	369.6	387.4
20°	285.0	286.8	292.8	299.9	307.1	315.6	323.7	333.8	346.4	361.4	380.7
22.5°	277.8	279.7	283.7	291.2	297.9	305.0	313.1	325.1	338.5	353.3	374.1
25°	267.3	268.5	271.2	277.2	283.2	291.0	298.3	309.5	323.3	340.6	361.4
27.5°	257.4	258.6	260.8	265.1	270.8	277.1	285.0	294.5	308.5	327.3	349.4
30°	251.5	251.8	253.7	257.8	262.6	267.8	275.0	285.9	299.1	318.1	341.4
32.5°	246.4	245.6	247.0	250.0	254.7	259.9	265.9	276.6	289.3	308.0	331.9
35°	237.7	237.3	236.7	239.3	243.3	247.3	252.5	260.5	275.0	292.5	317.5
37.5°	228.9	227.8	226.8	228.0	231.1	235.3	239.8	246.9	259.4	278.6	302.6
40°	222.2	221.4	220.8	220.4	223.3	227.2	230.7	237.5	249.1	267.3	291.0
42.5°	215.0	214.6	213.8	213.2	215.5	218.6	222.1	228.2	239.8	256.9	279.3
45°	203.4	203.0	202.6	202.2	203.6	206.4	209.2	213.6	223.7	240.3	260.5
47.5°	190.5	189.9	190.1	189.4	190.8	192.7	194.7	199.4	209.0	222.5	237.3
50°	181.2	180.9	180.9	180.9	181.3	183.6	185.4	189.0	197.8	211.2	221.9
52.5°	172.3	171.4	171.4	171.8	172.5	173.9	175.0	179.0	186.7	197.8	207.4
55°	158.4	156.9	156.4	156.9	157.5	158.7	159.9	163.1	169.7	177.9	183.6
57.5°	143.1	142.2	141.7	141.8	142.2	143.1	144.0	147.5	152.7	157.0	160.7
60°	132.4	132.8	131.0	131.4	131.4	132.2	133.6	135.8	140.2	143.2	146.8
62.5°	122.3	121.7	121.2	120.6	120.6	121.0	122.9	124.6	128.4	129.9	132.7
65°	106.5	106.5	105.3	105.7	105.9	104.5	105.5	107.5	109.9	110.6	113.1
67.5°	90.6	90.0	89.3	88.7	88.7	88.6	89.1	90.1	91.9	92.1	94.1
70°	79.6	79.2	79.0	78.4	77.7	78.6	78.0	79.0	80.1	80.2	81.5
72.5°	69.1	68.6	68.3	67.7	67.3	67.2	67.2	68.4	69.1	68.9	70.2
75°	54.0	53.6	53.1	52.2	52.2	51.6	51.7	52.5	53.4	52.8	54.0
77.5°	39.6	38.4	38.3	38.6	37.9	38.1	37.8	37.7	38.1	38.1	39.2
80°	30.5	29.1	29.4	29.3	29.1	28.8	28.5	28.7	28.8	29.1	29.7
82.5°	22.0	21.9	21.4	21.4	21.2	20.7	20.5	20.8	21.0	20.9	21.4
85°	11.2	10.6	11.0	10.8	11.0	10.8	10.2	10.2	10.6	10.4	10.8
87.5°	5.8	5.9	5.3	5.3	4.8	4.6	4.3	4.2	4.1	4.0	4.0
90°	11.8	12.3	10.8	9.3	7.8	6.4	5.4	4.4	2.9	2.0	0.9
92.5°	57.0	75.5	83.1	62.3	41.2	28.4	21.1	17.0	13.2	9.0	6.1
95°	236.2	291.2	259.3	178.7	105.6	63.8	44.7	31.9	23.6	18.2	16.7
97.5°	482.8	451.3	330.4	196.1	113.7	73.8	53.0	40.5	33.2	29.0	28.5
100°	561.8	465.0	314.3	185.1	112.4	78.1	58.9	47.2	40.3	36.9	36.3
102.5°	565.8	439.5	290.8	175.7	114.0	83.2	65.6	55.0	48.6	45.5	44.6
105°	535.8	394.9	261.7	168.9	118.4	91.9	76.6	67.2	61.4	58.5	57.0
107.5°	483.4	355.3	243.3	168.4	126.4	103.1	89.0	80.2	74.5	71.6	70.1
110°	450.3	332.9	236.2	170.4	133.1	111.0	97.2	88.9	83.5	81.0	79.6



TEST NUMBER: P331876-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	421.6	318.1	232.3	174.4	139.7	119.2	105.9	97.6	92.1	89.7	88.2
115°	387.0	302.0	230.8	180.7	150.8	132.1	118.8	110.5	105.6	102.6	100.7
117.5°	366.1	292.6	231.7	189.2	162.5	144.0	131.7	122.3	117.9	115.4	113.1
120°	355.1	288.3	233.2	195.4	169.9	152.2	140.0	130.6	125.7	123.3	121.8
122.5°	346.0	285.5	236.0	201.4	177.8	160.5	147.4	138.4	133.2	130.7	129.2
125°	334.4	281.9	240.1	210.7	189.1	171.9	158.6	149.3	143.9	140.9	140.0
127.5°	324.3	280.1	244.9	218.3	198.9	182.3	169.0	158.7	153.3	149.6	148.1
130°	318.7	279.0	248.0	223.4	204.7	188.6	175.3	165.0	159.1	154.7	153.3
132.5°	313.6	278.5	250.4	228.2	209.9	194.1	181.2	170.9	163.8	159.0	157.1
135°	306.9	277.9	253.9	234.3	217.6	202.3	189.1	178.7	171.4	166.0	164.0
137.5°	301.2	276.9	256.2	238.8	222.8	208.2	196.0	185.7	177.9	172.5	170.5
140°	297.6	276.5	257.8	241.2	226.4	212.2	199.8	190.0	182.2	177.3	174.9
142.5°	294.5	275.7	259.0	243.5	229.1	215.3	203.8	194.0	186.9	181.6	179.5
145°	290.2	274.5	259.8	246.1	232.8	220.0	208.7	200.4	193.0	188.6	187.1
147.5°	286.1	272.7	259.8	247.6	235.7	224.0	214.4	206.4	200.0	195.6	194.8
150°	283.4	271.0	259.8	248.0	237.7	226.4	217.6	210.7	204.3	200.4	199.8
152.5°	280.3	269.1	258.6	248.8	238.8	229.1	220.7	214.6	209.1	205.1	205.0
155°	275.5	265.7	257.4	249.0	241.2	232.8	225.9	220.5	215.6	212.7	212.7
157.5°	270.2	262.6	255.6	249.5	242.4	235.7	230.4	225.8	221.4	219.1	218.7
160°	266.7	260.3	254.9	249.5	243.6	237.7	232.8	229.4	225.4	223.4	223.4
162.5°	263.1	258.0	253.3	249.1	244.0	238.8	234.7	231.7	228.6	227.0	227.0
165°	258.3	254.4	251.0	248.0	244.5	240.6	237.2	235.2	232.8	231.8	232.3
167.5°	253.7	250.8	248.6	247.2	244.4	241.6	239.4	238.1	236.2	235.7	236.3
170°	251.0	248.5	247.0	246.1	244.1	241.6	240.6	239.6	238.2	237.7	238.7
172.5°	248.2	246.5	245.8	245.6	244.1	242.0	241.4	240.8	239.8	239.6	240.2
175°	245.0	244.1	244.1	244.5	243.6	242.6	242.1	242.1	241.2	241.6	242.1
177.5°	243.0	242.6	243.0	243.7	243.0	242.6	242.6	242.6	242.2	242.6	243.0
180°	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6



TEST NUMBER: P331876-935

CATALOG NUMBER: S123DIP-S340D585U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0
2.5°	416.6	417.4	420.1	422.1	424.3	425.6	426.8	427.8	429.1	429.4	434.0
5°	418.4	422.4	429.5	434.6	441.1	448.1	452.9	455.1	461.0	465.7	475.4
7.5°	417.9	426.5	437.0	448.1	459.8	470.7	480.2	491.5	499.4	511.4	523.2
10°	417.4	428.9	442.5	456.5	472.9	488.2	501.9	517.1	529.8	546.4	560.6
12.5°	415.9	429.8	448.8	465.4	485.3	506.4	526.6	546.1	557.3	585.0	598.1
15°	412.4	428.9	452.5	477.8	505.2	530.1	555.8	576.3	609.3	633.6	649.1
17.5°	405.6	428.6	456.7	487.2	520.6	553.4	582.5	613.5	648.6	678.0	709.3
20°	402.3	427.7	458.9	492.7	527.4	564.5	597.5	634.8	673.1	702.1	742.2
22.5°	396.4	425.1	458.7	496.3	533.4	571.8	610.5	648.2	692.4	732.2	770.4
25°	386.8	418.8	453.7	495.7	539.2	577.6	624.1	674.0	720.1	771.3	809.3
27.5°	376.5	410.8	445.7	484.7	531.6	577.3	635.6	692.0	748.4	792.6	820.8
30°	368.7	402.0	438.1	477.4	523.7	578.1	643.3	704.8	759.8	797.7	813.6
32.5°	360.2	393.9	425.9	467.1	516.5	577.6	648.1	712.4	760.4	785.7	782.6
35°	346.8	375.1	406.2	445.9	504.0	574.0	650.9	713.1	742.5	737.1	696.2
37.5°	327.5	351.4	381.9	425.4	489.7	566.6	645.2	691.9	690.0	645.9	586.6
40°	315.6	335.8	365.2	411.0	478.4	561.8	636.5	666.8	641.1	579.5	508.5
42.5°	299.8	318.5	347.9	394.9	466.1	552.1	619.6	628.4	578.2	507.3	442.2
45°	275.4	291.9	322.4	370.9	447.5	530.7	578.5	557.0	489.4	416.2	366.7
47.5°	249.2	266.3	295.6	345.5	420.7	498.7	521.4	475.8	406.4	347.0	301.5
50°	232.6	249.1	277.8	328.1	402.6	472.3	481.8	422.8	359.0	306.9	269.6
52.5°	216.0	231.4	259.7	310.2	381.4	441.9	436.1	376.0	317.4	272.9	243.6
55°	191.1	205.8	232.6	280.0	344.8	392.7	371.7	314.4	265.8	231.3	209.0
57.5°	168.9	183.0	206.1	248.9	305.2	338.2	311.4	263.0	224.5	197.9	181.3
60°	153.9	166.3	188.4	228.1	277.0	302.0	275.6	232.9	200.4	179.1	164.3
62.5°	139.6	150.4	170.8	206.9	249.4	270.4	243.7	207.5	179.9	161.0	148.4
65°	118.0	127.8	145.9	173.9	208.8	222.8	199.8	170.5	149.0	135.0	126.6
67.5°	98.2	106.6	122.2	144.2	170.0	180.1	162.6	139.9	123.7	112.4	105.8
70°	85.1	92.3	104.5	123.6	146.8	154.6	138.2	119.5	107.7	98.7	92.5
72.5°	74.0	79.3	90.4	105.1	124.5	130.7	119.2	102.9	91.9	85.1	80.1
75°	56.4	60.8	68.0	79.8	93.2	96.9	88.3	78.0	70.6	65.8	62.0
77.5°	40.6	43.9	49.1	56.4	65.7	69.0	63.5	56.7	51.2	48.0	45.9
80°	30.7	33.3	37.7	43.7	49.3	51.1	48.0	42.7	38.9	37.1	35.3
82.5°	22.6	24.1	26.8	30.9	34.7	36.9	34.2	31.0	28.9	27.3	26.6
85°	11.5	12.2	13.4	15.1	17.5	18.3	17.2	16.4	15.2	14.2	14.2
87.5°	4.6	4.7	5.5	6.0	6.9	7.7	7.8	7.7	7.9	7.7	7.6
90°	2.0	2.9	4.4	5.4	6.4	7.8	9.3	10.8	12.3	11.8	12.3
92.5°	9.0	13.2	17.0	21.1	28.4	41.2	62.3	83.1	75.5	57.0	41.3
95°	18.2	23.6	31.9	44.7	63.8	105.6	178.7	259.3	291.2	236.2	176.8
97.5°	29.0	33.2	40.5	53.0	73.8	113.7	196.1	330.4	451.3	482.8	440.7
100°	36.9	40.3	47.2	58.9	78.1	112.4	185.1	314.3	465.0	561.8	579.0
102.5°	45.5	48.6	55.0	65.6	83.2	114.0	175.7	290.8	439.5	565.8	625.0
105°	58.5	61.4	67.2	76.6	91.9	118.4	168.9	261.7	394.9	535.8	638.4
107.5°	71.6	74.5	80.2	89.0	103.1	126.4	168.4	243.3	355.3	483.4	599.7
110°	81.0	83.5	88.9	97.2	111.0	133.1	170.4	236.2	332.9	450.3	562.7



TEST NUMBER: P331876-935

CATALOG NUMBER: S123DIP-S340D585U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	89.7	92.1	97.6	105.9	119.2	139.7	174.4	232.3	318.1	421.6	526.2
115°	102.6	105.6	110.5	118.8	132.1	150.8	180.7	230.8	302.0	387.0	477.9
117.5°	115.4	117.9	122.3	131.7	144.0	162.5	189.2	231.7	292.6	366.1	442.7
120°	123.3	125.7	130.6	140.0	152.2	169.9	195.4	233.2	288.3	355.1	424.3
122.5°	130.7	133.2	138.4	147.4	160.5	177.8	201.4	236.0	285.5	346.0	409.7
125°	140.9	143.9	149.3	158.6	171.9	189.1	210.7	240.1	281.9	334.4	390.4
127.5°	149.6	153.3	158.7	169.0	182.3	198.9	218.3	244.9	280.1	324.3	373.5
130°	154.7	159.1	165.0	175.3	188.6	204.7	223.4	248.0	279.0	318.7	362.9
132.5°	159.0	163.8	170.9	181.2	194.1	209.9	228.2	250.4	278.5	313.6	353.1
135°	166.0	171.4	178.7	189.1	202.3	217.6	234.3	253.9	277.9	306.9	339.8
137.5°	172.5	177.9	185.7	196.0	208.2	222.8	238.8	256.2	276.9	301.2	327.8
140°	177.3	182.2	190.0	199.8	212.2	226.4	241.2	257.8	276.5	297.6	320.7
142.5°	181.6	186.9	194.0	203.8	215.3	229.1	243.5	259.0	275.7	294.5	314.0
145°	188.6	193.0	200.4	208.7	220.0	232.8	246.1	259.8	274.5	290.2	305.9
147.5°	195.6	200.0	206.4	214.4	224.0	235.7	247.6	259.8	272.7	286.1	299.4
150°	200.4	204.3	210.7	217.6	226.4	237.7	248.0	259.8	271.0	283.4	294.6
152.5°	205.1	209.1	214.6	220.7	229.1	238.8	248.8	258.6	269.1	280.3	290.3
155°	212.7	215.6	220.5	225.9	232.8	241.2	249.0	257.4	265.7	275.5	283.9
157.5°	219.1	221.4	225.8	230.4	235.7	242.4	249.5	255.6	262.6	270.2	277.0
160°	223.4	225.4	229.4	232.8	237.7	243.6	249.5	254.9	260.3	266.7	273.0
162.5°	227.0	228.6	231.7	234.7	238.8	244.0	249.1	253.3	258.0	263.1	268.4
165°	231.8	232.8	235.2	237.2	240.6	244.5	248.0	251.0	254.4	258.3	262.3
167.5°	235.7	236.2	238.1	239.4	241.6	244.4	247.2	248.6	250.8	253.7	256.9
170°	237.7	238.2	239.6	240.6	241.6	244.1	246.1	247.0	248.5	251.0	253.4
172.5°	239.6	239.8	240.8	241.4	242.0	244.1	245.6	245.8	246.5	248.2	250.3
175°	241.6	241.2	242.1	242.1	242.6	243.6	244.5	244.1	244.1	245.0	246.1
177.5°	242.6	242.2	242.6	242.6	242.6	243.0	243.7	243.0	242.6	243.0	243.4
180°	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	414.0	414.0	414.0	414.0	414.0	414.0	414.0
2.5°	435.7	435.8	437.6	438.9	438.2	439.0	439.4
5°	476.0	483.2	487.0	489.8	490.0	490.3	491.8
7.5°	533.1	540.9	546.6	555.2	557.7	560.6	559.8
10°	574.9	586.3	596.2	601.3	607.0	615.2	608.6
12.5°	613.9	634.1	649.1	657.2	662.5	664.1	660.9
15°	678.2	704.6	718.8	718.5	736.5	744.3	732.1
17.5°	737.1	761.6	781.2	791.2	806.2	809.5	808.0
20°	773.3	800.0	815.2	832.4	840.2	847.2	848.4
22.5°	804.3	828.4	844.7	859.0	865.6	868.9	870.9
25°	836.5	855.3	865.1	870.1	871.9	871.5	868.9
27.5°	834.2	835.7	824.8	814.2	804.7	794.0	790.3
30°	812.5	795.7	765.6	748.6	723.5	703.6	711.7
32.5°	755.6	722.0	688.3	651.0	620.2	611.4	602.5
35°	644.9	585.9	551.4	511.3	495.2	479.2	468.1
37.5°	521.7	476.1	435.1	409.0	392.9	382.7	377.3
40°	451.1	410.0	376.3	355.0	342.8	331.4	329.8
42.5°	394.8	356.5	331.2	314.3	302.6	297.6	294.1
45°	323.3	296.7	279.7	267.6	259.8	256.8	252.7
47.5°	273.7	254.9	242.0	233.8	227.9	225.7	225.4
50°	245.9	230.2	220.8	214.4	209.8	209.0	205.8
52.5°	225.1	211.5	204.1	198.5	195.2	193.0	192.0
55°	195.4	186.3	179.7	176.5	173.9	171.7	171.7
57.5°	170.9	163.4	159.0	156.3	155.5	153.9	152.9
60°	155.8	149.5	146.0	143.6	142.0	142.2	140.4
62.5°	141.1	136.9	133.6	131.3	129.3	129.4	129.5
65°	120.1	116.9	114.5	113.7	112.5	111.2	111.5
67.5°	101.9	98.8	96.9	95.6	95.1	94.4	95.6
70°	88.7	86.4	85.1	83.9	83.4	83.6	84.6
72.5°	76.6	75.1	74.1	73.6	72.7	72.8	73.4
75°	60.2	59.0	58.2	57.6	57.3	57.3	57.3
77.5°	44.2	43.9	43.6	42.7	42.7	43.0	43.0
80°	34.9	34.3	34.1	33.7	33.1	32.7	33.7
82.5°	26.1	25.5	25.3	25.2	24.3	24.2	25.1
85°	14.0	13.4	13.6	13.4	13.4	13.3	13.3
87.5°	7.5	7.5	7.5	7.6	7.5	7.4	7.7
90°	12.7	13.3	14.2	13.8	14.2	14.7	14.2
92.5°	32.8	29.0	26.4	25.6	24.0	24.5	23.7
95°	119.9	93.8	76.1	66.8	62.3	58.9	57.0
97.5°	353.0	289.6	230.9	194.7	172.5	159.3	155.1
100°	539.2	481.7	412.0	362.4	326.6	307.5	307.9
102.5°	623.7	590.2	546.0	507.4	479.0	463.0	451.7
105°	687.5	696.9	684.1	661.5	642.8	627.2	624.7
107.5°	679.5	722.5	739.9	740.4	734.1	728.8	724.3
110°	653.2	715.1	749.4	763.2	767.1	766.1	765.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	618.5	687.9	732.1	757.2	769.5	773.2	773.4
115°	563.3	635.5	689.0	725.8	747.4	757.2	759.7
117.5°	516.5	581.3	635.7	674.1	698.8	713.0	716.3
120°	490.6	549.5	599.2	637.9	665.5	677.2	680.2
122.5°	469.8	524.3	570.4	604.9	629.6	642.7	646.4
125°	443.9	491.1	530.4	561.8	583.4	595.7	599.2
127.5°	421.3	463.8	499.6	527.5	546.0	557.1	560.3
130°	407.1	446.9	480.3	506.4	524.0	534.3	538.2
132.5°	393.7	430.8	462.6	487.1	504.7	513.8	516.6
135°	374.7	406.7	434.6	458.7	473.4	482.2	485.7
137.5°	356.4	383.8	408.1	428.3	443.2	450.7	453.0
140°	345.7	369.3	390.4	409.1	422.8	430.7	430.2
142.5°	335.5	355.9	374.3	390.2	402.4	409.5	409.0
145°	322.2	337.9	352.1	364.4	374.7	378.7	379.6
147.5°	312.2	324.9	335.0	344.3	351.3	355.1	355.4
150°	305.9	316.2	325.6	332.9	338.4	341.3	341.3
152.5°	300.1	309.2	316.9	322.7	327.8	329.5	329.5
155°	291.7	299.1	305.0	309.4	313.3	314.3	314.8
157.5°	283.5	289.3	293.9	297.7	300.7	301.4	301.4
160°	278.4	283.4	286.8	290.2	293.2	293.2	292.7
162.5°	272.9	277.5	280.5	282.8	285.3	285.3	284.8
165°	265.2	268.6	271.0	273.0	275.0	274.5	274.5
167.5°	259.2	261.1	262.9	263.8	265.2	264.7	264.7
170°	254.9	256.8	257.8	258.3	259.3	258.8	258.8
172.5°	251.3	252.9	253.5	253.6	254.6	253.7	253.3
175°	246.5	247.5	247.5	247.5	248.0	247.5	247.0
177.5°	243.7	244.2	244.2	243.7	244.2	243.4	243.4
180°	242.6	242.6	242.6	242.6	242.6	242.6	242.6

(END OF REPORT)