

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: P331875-935

Luminaire Tested: **S123DIP-S340D585U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331875-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
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-A1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 585 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

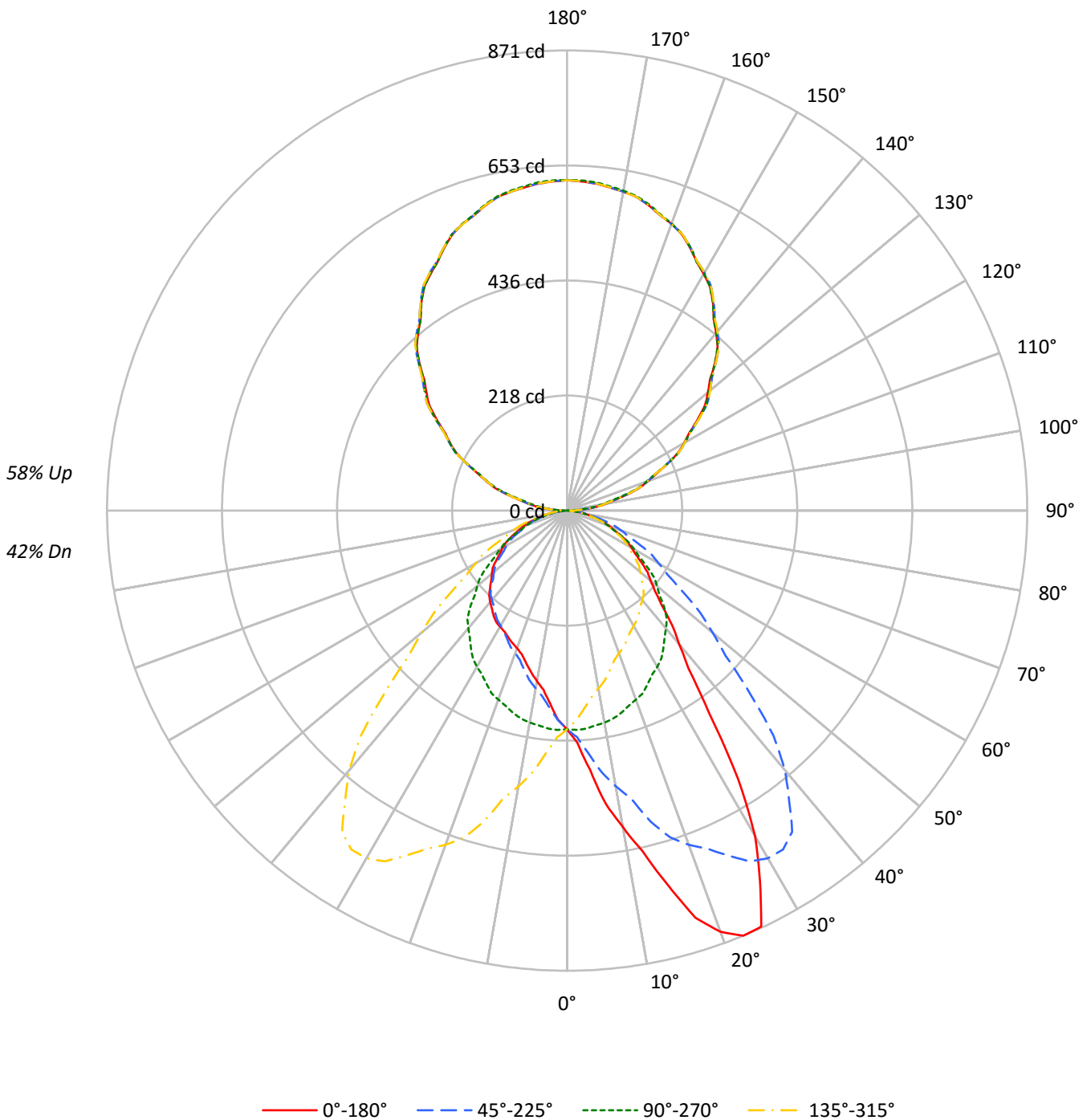
Lumens per Lamp: N/A
Luminaire Lumens: 2983.5 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

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	0	
RCR																						
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42				
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	42	36				
2	88	81	75	70	80	74	69	64	61	57	54	49	47	45	38	37	35	30				
3	80	71	64	58	73	65	59	54	54	49	46	44	41	38	34	32	30	26				
4	73	63	55	49	67	58	51	46	48	43	39	39	35	33	31	28	26	22				
5	67	56	48	42	61	52	45	39	43	38	34	35	31	28	28	25	23	20				
6	62	50	42	37	56	46	39	34	39	33	29	32	28	25	25	22	20	17				
7	57	45	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15				
8	53	41	34	28	48	38	31	27	32	27	23	26	22	20	21	18	16	14				
9	49	37	30	25	45	35	28	24	29	24	21	24	20	18	19	17	15	12				
10	46	34	27	23	42	32	25	21	27	22	18	22	19	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	1.4
10°-20°	130.8	4.4
20°-30°	219.5	7.4
30°-40°	248.5	8.3
40°-50°	222.9	7.5
50°-60°	179.8	6.0
60°-70°	125.3	4.2
70°-80°	65.9	2.2
80°-90°	18.0	0.6
90°-100°	40.7	1.4
100°-110°	121.9	4.1
110°-120°	207.3	6.9
120°-130°	272.7	9.1
130°-140°	306.5	10.3
140°-150°	301.3	10.1
150°-160°	253.7	8.5
160°-170°	168.9	5.7
170°-180°	59.1	2.0
0°-30°	391.0	13.1
0°-40°	639.5	21.4
0°-60°	1042.2	34.9
0°-90°	1251.4	41.9
90°-120°	370.0	12.4
90°-150°	1250.5	41.9
90°-180°	1732.0	58.1
0°-180°	2983.5	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°	15	0	15	0	15	8
95°	38	29	38	29	38	39
105°	117	110	117	110	117	124
115°	209	209	209	209	209	207
125°	302	306	302	306	302	270
135°	396	396	396	396	396	304
145°	481	481	481	481	481	300
155°	550	550	550	550	550	253
165°	598	600	598	600	598	169
175°	621	624	621	624	621	59
180°	625	625	625	625	625	



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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	7.7	7.4	7.5	7.6	7.7	7.7	7.8	7.7
90°	14.7	14.6	14.3	14.1	13.9	13.5	13.1	12.7	12.2	11.8	10.3
92.5°	19.8	20.0	20.1	20.2	20.4	20.2	19.9	19.5	19.2	18.9	18.1
95°	38.3	38.3	38.3	38.3	38.3	38.1	37.6	37.2	36.8	36.3	35.5
97.5°	58.9	59.0	59.0	59.1	59.1	58.9	58.4	57.9	57.3	56.9	56.2
100°	74.6	74.4	74.2	74.0	73.8	73.5	73.2	72.8	72.5	72.2	71.6
102.5°	90.7	90.8	90.8	90.9	90.9	90.7	90.5	90.1	89.8	89.5	88.8
105°	116.9	116.7	116.4	116.2	116.0	115.9	115.9	115.9	115.9	115.9	114.9
107.5°	144.1	144.2	144.4	144.5	144.6	144.5	144.1	143.8	143.4	143.1	142.8
110°	162.6	162.8	163.0	163.2	163.4	163.3	162.9	162.5	162.0	161.6	161.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	182.2	182.3	182.3	182.4	182.4	182.1	181.6	181.1	180.6	180.0	180.0
115°	209.2	209.3	209.4	209.6	209.7	209.7	209.6	209.4	209.3	209.2	209.4
117.5°	236.6	236.9	237.2	237.5	237.8	238.0	238.0	238.1	238.1	238.1	238.4
120°	255.9	256.1	256.3	256.5	256.8	256.9	257.0	257.1	257.3	257.4	257.9
122.5°	274.3	274.7	274.9	275.3	275.5	275.9	276.1	276.4	276.7	277.0	277.2
125°	302.0	302.5	302.9	303.3	303.8	304.2	304.6	305.1	305.5	306.0	306.2
127.5°	329.6	330.1	330.6	331.1	331.7	332.2	332.8	333.4	334.1	334.7	334.8
130°	347.7	348.4	349.2	350.0	350.8	351.4	351.8	352.2	352.7	353.1	353.4
132.5°	366.5	367.1	367.7	368.3	368.9	369.5	370.0	370.5	371.0	371.6	371.8
135°	395.8	396.1	396.2	396.5	396.7	397.0	397.4	397.9	398.4	398.8	398.9
137.5°	421.6	422.1	422.5	422.9	423.4	423.8	424.2	424.6	425.2	425.6	425.3
140°	438.6	439.3	440.1	440.8	441.6	442.0	442.1	442.3	442.4	442.5	442.4
142.5°	455.8	456.4	457.0	457.6	458.2	458.6	458.7	458.7	458.9	459.0	458.8
145°	480.8	481.2	481.6	482.1	482.5	482.8	482.9	483.0	483.1	483.3	482.9
147.5°	503.0	503.7	504.3	505.0	505.6	505.9	505.9	505.9	505.9	505.9	505.7
150°	517.1	517.8	518.4	519.1	519.8	520.0	520.0	520.0	520.0	520.0	519.9
152.5°	530.9	531.5	532.0	532.6	533.1	533.4	533.2	533.0	532.8	532.6	532.5
155°	549.6	550.4	551.0	551.8	552.6	552.8	552.3	551.9	551.5	551.0	551.0
157.5°	566.5	567.1	567.7	568.3	568.9	569.0	568.6	568.2	567.7	567.2	567.1
160°	577.6	578.0	578.4	578.9	579.3	579.2	578.7	578.2	577.6	577.0	577.0
162.5°	585.8	586.5	587.2	587.9	588.6	588.7	588.1	587.5	587.0	586.5	586.4
165°	597.7	598.5	599.2	599.9	600.7	600.8	600.1	599.5	598.8	598.1	598.1
167.5°	607.8	608.5	609.2	609.8	610.5	610.5	609.8	609.2	608.5	607.8	607.7
170°	612.9	613.6	614.4	615.2	616.0	616.0	615.2	614.4	613.6	612.9	612.9
172.5°	616.8	617.6	618.4	619.1	619.9	619.9	619.2	618.5	617.9	617.3	617.3
175°	621.2	622.0	622.8	623.5	624.3	624.4	623.7	623.0	622.4	621.7	621.7
177.5°	623.6	624.2	624.8	625.4	626.0	626.1	625.6	625.1	624.5	624.0	624.0
180°	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2



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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°	7.7	7.6	6.8	5.9	5.4	4.7	4.5	4.0	3.9	4.0	4.1
90°	9.0	7.5	6.1	4.8	3.8	2.7	1.5	0.5	1.5	2.7	3.8
92.5°	17.2	16.4	15.7	14.9	14.1	13.3	12.7	11.9	12.7	13.3	14.1
95°	34.6	33.8	32.9	32.0	31.3	30.5	29.7	29.0	29.7	30.5	31.3
97.5°	55.6	54.9	54.3	53.7	53.2	52.6	52.0	51.5	52.0	52.6	53.2
100°	71.1	70.5	70.0	69.4	68.8	68.1	67.4	66.8	67.4	68.1	68.8
102.5°	88.1	87.3	86.6	86.0	85.7	85.2	84.9	84.5	84.9	85.2	85.7
105°	113.9	113.0	111.9	111.4	111.2	110.9	110.7	110.5	110.7	110.9	111.2
107.5°	142.3	141.9	141.5	141.3	141.1	141.0	140.9	140.8	140.9	141.0	141.1
110°	161.2	160.9	160.7	160.5	160.2	160.1	159.8	159.6	159.8	160.1	160.2



TEST NUMBER: P331875-935

CATALOG NUMBER: S123DIP-S340D585U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	179.9	179.9	179.9	179.8	179.6	179.5	179.3	179.3	179.3	179.5	179.6
115°	209.7	209.8	210.1	210.0	209.7	209.4	209.1	208.7	209.1	209.4	209.7
117.5°	238.7	238.9	239.2	239.3	239.0	238.8	238.6	238.4	238.6	238.8	239.0
120°	258.5	259.0	259.5	259.5	258.8	258.1	257.5	256.8	257.5	258.1	258.8
122.5°	277.6	277.8	278.1	278.0	277.5	277.1	276.6	276.1	276.6	277.1	277.5
125°	306.4	306.6	306.9	306.8	306.4	306.1	305.8	305.5	305.8	306.1	306.4
127.5°	335.1	335.4	335.6	335.4	334.7	334.0	333.3	332.6	333.3	334.0	334.7
130°	353.8	354.1	354.4	354.1	353.3	352.4	351.5	350.7	351.5	352.4	353.3
132.5°	372.0	372.3	372.6	372.2	371.3	370.5	369.6	368.7	369.6	370.5	371.3
135°	399.0	399.1	399.2	398.9	398.3	397.6	397.0	396.3	397.0	397.6	398.3
137.5°	425.0	424.7	424.5	424.0	423.5	422.9	422.4	421.9	422.4	422.9	423.5
140°	442.3	442.1	442.0	441.7	441.2	440.7	440.1	439.5	440.1	440.7	441.2
142.5°	458.6	458.4	458.2	457.8	457.3	456.8	456.2	455.6	456.2	456.8	457.3
145°	482.6	482.2	481.9	481.6	481.5	481.2	481.0	480.8	481.0	481.2	481.5
147.5°	505.3	505.1	504.7	504.4	503.9	503.6	503.2	502.8	503.2	503.6	503.9
150°	519.6	519.4	519.2	519.0	518.8	518.6	518.3	518.1	518.3	518.6	518.8
152.5°	532.4	532.3	532.1	531.9	531.6	531.3	531.0	530.7	531.0	531.3	531.6
155°	550.8	550.7	550.6	550.5	550.5	550.5	550.5	550.5	550.5	550.5	550.5
157.5°	567.1	567.0	566.9	566.9	567.1	567.1	567.3	567.4	567.3	567.1	567.1
160°	577.0	577.0	577.0	577.1	577.4	577.6	577.8	578.0	577.8	577.6	577.4
162.5°	586.3	586.3	586.2	586.3	586.5	586.9	587.1	587.5	587.1	586.9	586.5
165°	598.1	598.1	598.1	598.3	598.7	599.0	599.3	599.6	599.3	599.0	598.7
167.5°	607.6	607.5	607.4	607.6	608.0	608.5	608.9	609.3	608.9	608.5	608.0
170°	612.9	612.9	612.9	613.1	613.5	614.0	614.4	614.8	614.4	614.0	613.5
172.5°	617.3	617.3	617.3	617.4	617.9	618.3	618.7	619.1	618.7	618.3	617.9
175°	621.7	621.7	621.7	622.0	622.4	622.8	623.3	623.7	623.3	622.8	622.4
177.5°	624.0	624.0	624.0	624.1	624.5	624.9	625.3	625.6	625.3	624.9	624.5
180°	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2



TEST NUMBER: P331875-935

CATALOG NUMBER: S123DIP-S340D585U935-4F0-1E-UDD-A1

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°	4.2	4.6	4.7	5.2	5.3	5.8	5.9	5.6	5.7	6.2	5.7
90°	4.8	6.1	7.5	9.0	10.3	11.8	12.2	12.7	13.1	13.5	13.9
92.5°	14.9	15.7	16.4	17.2	18.1	18.9	19.2	19.5	19.9	20.2	20.4
95°	32.0	32.9	33.8	34.6	35.5	36.3	36.8	37.2	37.6	38.1	38.3
97.5°	53.7	54.3	54.9	55.6	56.2	56.9	57.3	57.9	58.4	58.9	59.1
100°	69.4	70.0	70.5	71.1	71.6	72.2	72.5	72.8	73.2	73.5	73.8
102.5°	86.0	86.6	87.3	88.1	88.8	89.5	89.8	90.1	90.5	90.7	90.9
105°	111.4	111.9	113.0	113.9	114.9	115.9	115.9	115.9	115.9	115.9	116.0
107.5°	141.3	141.5	141.9	142.3	142.8	143.1	143.4	143.8	144.1	144.5	144.6
110°	160.5	160.7	160.9	161.2	161.4	161.6	162.0	162.5	162.9	163.3	163.4



TEST NUMBER: P331875-935

CATALOG NUMBER: S123DIP-S340D585U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	179.8	179.9	179.9	179.9	180.0	180.0	180.6	181.1	181.6	182.1	182.4
115°	210.0	210.1	209.8	209.7	209.4	209.2	209.3	209.4	209.6	209.7	209.7
117.5°	239.3	239.2	238.9	238.7	238.4	238.1	238.1	238.1	238.0	238.0	237.8
120°	259.5	259.5	259.0	258.5	257.9	257.4	257.3	257.1	257.0	256.9	256.8
122.5°	278.0	278.1	277.8	277.6	277.2	277.0	276.7	276.4	276.1	275.9	275.5
125°	306.8	306.9	306.6	306.4	306.2	306.0	305.5	305.1	304.6	304.2	303.8
127.5°	335.4	335.6	335.4	335.1	334.8	334.7	334.1	333.4	332.8	332.2	331.7
130°	354.1	354.4	354.1	353.8	353.4	353.1	352.7	352.2	351.8	351.4	350.8
132.5°	372.2	372.6	372.3	372.0	371.8	371.6	371.0	370.5	370.0	369.5	368.9
135°	398.9	399.2	399.1	399.0	398.9	398.8	398.4	397.9	397.4	397.0	396.7
137.5°	424.0	424.5	424.7	425.0	425.3	425.6	425.2	424.6	424.2	423.8	423.4
140°	441.7	442.0	442.1	442.3	442.4	442.5	442.4	442.3	442.1	442.0	441.6
142.5°	457.8	458.2	458.4	458.6	458.8	459.0	458.9	458.7	458.7	458.6	458.2
145°	481.6	481.9	482.2	482.6	482.9	483.3	483.1	483.0	482.9	482.8	482.5
147.5°	504.4	504.7	505.1	505.3	505.7	505.9	505.9	505.9	505.9	505.9	505.6
150°	519.0	519.2	519.4	519.6	519.9	520.0	520.0	520.0	520.0	520.0	519.8
152.5°	531.9	532.1	532.3	532.4	532.5	532.6	532.8	533.0	533.2	533.4	533.1
155°	550.5	550.6	550.7	550.8	551.0	551.0	551.5	551.9	552.3	552.8	552.6
157.5°	566.9	566.9	567.0	567.1	567.1	567.2	567.7	568.2	568.6	569.0	568.9
160°	577.1	577.0	577.0	577.0	577.0	577.0	577.6	578.2	578.7	579.2	579.3
162.5°	586.3	586.2	586.3	586.3	586.4	586.5	587.0	587.5	588.1	588.7	588.6
165°	598.3	598.1	598.1	598.1	598.1	598.1	598.8	599.5	600.1	600.8	600.7
167.5°	607.6	607.4	607.5	607.6	607.7	607.8	608.5	609.2	609.8	610.5	610.5
170°	613.1	612.9	612.9	612.9	612.9	612.9	613.6	614.4	615.2	616.0	616.0
172.5°	617.4	617.3	617.3	617.3	617.3	617.3	617.9	618.5	619.2	619.9	619.9
175°	622.0	621.7	621.7	621.7	621.7	621.7	622.4	623.0	623.7	624.4	624.3
177.5°	624.1	624.0	624.0	624.0	624.0	624.0	624.5	625.1	625.6	626.1	626.0
180°	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2



TEST NUMBER: P331875-935

CATALOG NUMBER: S123DIP-S340D585U935-4F0-1E-UDD-A1

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°	5.7	5.8	5.6	5.5	5.6	5.8	5.7	5.7	6.2	5.7	5.6
90°	14.1	14.3	14.6	14.7	14.6	14.3	14.1	13.9	13.5	13.1	12.7
92.5°	20.2	20.1	20.0	19.8	20.0	20.1	20.2	20.4	20.2	19.9	19.5
95°	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.1	37.6	37.2
97.5°	59.1	59.0	59.0	58.9	59.0	59.0	59.1	59.1	58.9	58.4	57.9
100°	74.0	74.2	74.4	74.6	74.4	74.2	74.0	73.8	73.5	73.2	72.8
102.5°	90.9	90.8	90.8	90.7	90.8	90.8	90.9	90.9	90.7	90.5	90.1
105°	116.2	116.4	116.7	116.9	116.7	116.4	116.2	116.0	115.9	115.9	115.9
107.5°	144.5	144.4	144.2	144.1	144.2	144.4	144.5	144.6	144.5	144.1	143.8
110°	163.2	163.0	162.8	162.6	162.8	163.0	163.2	163.4	163.3	162.9	162.5



TEST NUMBER: P331875-935

CATALOG NUMBER: S123DIP-S340D585U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	182.4	182.3	182.3	182.2	182.3	182.3	182.4	182.4	182.1	181.6	181.1
115°	209.6	209.4	209.3	209.2	209.3	209.4	209.6	209.7	209.7	209.6	209.4
117.5°	237.5	237.2	236.9	236.6	236.9	237.2	237.5	237.8	238.0	238.0	238.1
120°	256.5	256.3	256.1	255.9	256.1	256.3	256.5	256.8	256.9	257.0	257.1
122.5°	275.3	274.9	274.7	274.3	274.7	274.9	275.3	275.5	275.9	276.1	276.4
125°	303.3	302.9	302.5	302.0	302.5	302.9	303.3	303.8	304.2	304.6	305.1
127.5°	331.1	330.6	330.1	329.6	330.1	330.6	331.1	331.7	332.2	332.8	333.4
130°	350.0	349.2	348.4	347.7	348.4	349.2	350.0	350.8	351.4	351.8	352.2
132.5°	368.3	367.7	367.1	366.5	367.1	367.7	368.3	368.9	369.5	370.0	370.5
135°	396.5	396.2	396.1	395.8	396.1	396.2	396.5	396.7	397.0	397.4	397.9
137.5°	422.9	422.5	422.1	421.6	422.1	422.5	422.9	423.4	423.8	424.2	424.6
140°	440.8	440.1	439.3	438.6	439.3	440.1	440.8	441.6	442.0	442.1	442.3
142.5°	457.6	457.0	456.4	455.8	456.4	457.0	457.6	458.2	458.6	458.7	458.7
145°	482.1	481.6	481.2	480.8	481.2	481.6	482.1	482.5	482.8	482.9	483.0
147.5°	505.0	504.3	503.7	503.0	503.7	504.3	505.0	505.6	505.9	505.9	505.9
150°	519.1	518.4	517.8	517.1	517.8	518.4	519.1	519.8	520.0	520.0	520.0
152.5°	532.6	532.0	531.5	530.9	531.5	532.0	532.6	533.1	533.4	533.2	533.0
155°	551.8	551.0	550.4	549.6	550.4	551.0	551.8	552.6	552.8	552.3	551.9
157.5°	568.3	567.7	567.1	566.5	567.1	567.7	568.3	568.9	569.0	568.6	568.2
160°	578.9	578.4	578.0	577.6	578.0	578.4	578.9	579.3	579.2	578.7	578.2
162.5°	587.9	587.2	586.5	585.8	586.5	587.2	587.9	588.6	588.7	588.1	587.5
165°	599.9	599.2	598.5	597.7	598.5	599.2	599.9	600.7	600.8	600.1	599.5
167.5°	609.8	609.2	608.5	607.8	608.5	609.2	609.8	610.5	610.5	609.8	609.2
170°	615.2	614.4	613.6	612.9	613.6	614.4	615.2	616.0	616.0	615.2	614.4
172.5°	619.1	618.4	617.6	616.8	617.6	618.4	619.1	619.9	619.9	619.2	618.5
175°	623.5	622.8	622.0	621.2	622.0	622.8	623.5	624.3	624.4	623.7	623.0
177.5°	625.4	624.8	624.2	623.6	624.2	624.8	625.4	626.0	626.1	625.6	625.1
180°	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2



TEST NUMBER: P331875-935

CATALOG NUMBER: S123DIP-S340D585U935-4F0-1E-UDD-A1

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°	5.9	5.8	5.3	5.2	4.7	4.6	4.2	4.1	4.0	3.9	4.0
90°	12.2	11.8	10.3	9.0	7.5	6.1	4.8	3.8	2.7	1.5	0.5
92.5°	19.2	18.9	18.1	17.2	16.4	15.7	14.9	14.1	13.3	12.7	11.9
95°	36.8	36.3	35.5	34.6	33.8	32.9	32.0	31.3	30.5	29.7	29.0
97.5°	57.3	56.9	56.2	55.6	54.9	54.3	53.7	53.2	52.6	52.0	51.5
100°	72.5	72.2	71.6	71.1	70.5	70.0	69.4	68.8	68.1	67.4	66.8
102.5°	89.8	89.5	88.8	88.1	87.3	86.6	86.0	85.7	85.2	84.9	84.5
105°	115.9	115.9	114.9	113.9	113.0	111.9	111.4	111.2	110.9	110.7	110.5
107.5°	143.4	143.1	142.8	142.3	141.9	141.5	141.3	141.1	141.0	140.9	140.8
110°	162.0	161.6	161.4	161.2	160.9	160.7	160.5	160.2	160.1	159.8	159.6



TEST NUMBER: P331875-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	180.6	180.0	180.0	179.9	179.9	179.9	179.8	179.6	179.5	179.3	179.3
115°	209.3	209.2	209.4	209.7	209.8	210.1	210.0	209.7	209.4	209.1	208.7
117.5°	238.1	238.1	238.4	238.7	238.9	239.2	239.3	239.0	238.8	238.6	238.4
120°	257.3	257.4	257.9	258.5	259.0	259.5	259.5	258.8	258.1	257.5	256.8
122.5°	276.7	277.0	277.2	277.6	277.8	278.1	278.0	277.5	277.1	276.6	276.1
125°	305.5	306.0	306.2	306.4	306.6	306.9	306.8	306.4	306.1	305.8	305.5
127.5°	334.1	334.7	334.8	335.1	335.4	335.6	335.4	334.7	334.0	333.3	332.6
130°	352.7	353.1	353.4	353.8	354.1	354.4	354.1	353.3	352.4	351.5	350.7
132.5°	371.0	371.6	371.8	372.0	372.3	372.6	372.2	371.3	370.5	369.6	368.7
135°	398.4	398.8	398.9	399.0	399.1	399.2	398.9	398.3	397.6	397.0	396.3
137.5°	425.2	425.6	425.3	425.0	424.7	424.5	424.0	423.5	422.9	422.4	421.9
140°	442.4	442.5	442.4	442.3	442.1	442.0	441.7	441.2	440.7	440.1	439.5
142.5°	458.9	459.0	458.8	458.6	458.4	458.2	457.8	457.3	456.8	456.2	455.6
145°	483.1	483.3	482.9	482.6	482.2	481.9	481.6	481.5	481.2	481.0	480.8
147.5°	505.9	505.9	505.7	505.3	505.1	504.7	504.4	503.9	503.6	503.2	502.8
150°	520.0	520.0	519.9	519.6	519.4	519.2	519.0	518.8	518.6	518.3	518.1
152.5°	532.8	532.6	532.5	532.4	532.3	532.1	531.9	531.6	531.3	531.0	530.7
155°	551.5	551.0	551.0	550.8	550.7	550.6	550.5	550.5	550.5	550.5	550.5
157.5°	567.7	567.2	567.1	567.1	567.0	566.9	566.9	567.1	567.1	567.3	567.4
160°	577.6	577.0	577.0	577.0	577.0	577.0	577.1	577.4	577.6	577.8	578.0
162.5°	587.0	586.5	586.4	586.3	586.3	586.2	586.3	586.5	586.9	587.1	587.5
165°	598.8	598.1	598.1	598.1	598.1	598.1	598.3	598.7	599.0	599.3	599.6
167.5°	608.5	607.8	607.7	607.6	607.5	607.4	607.6	608.0	608.5	608.9	609.3
170°	613.6	612.9	612.9	612.9	612.9	612.9	613.1	613.5	614.0	614.4	614.8
172.5°	617.9	617.3	617.3	617.3	617.3	617.3	617.4	617.9	618.3	618.7	619.1
175°	622.4	621.7	621.7	621.7	621.7	621.7	622.0	622.4	622.8	623.3	623.7
177.5°	624.5	624.0	624.0	624.0	624.0	624.0	624.1	624.5	624.9	625.3	625.6
180°	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2



TEST NUMBER: P331875-935

CATALOG NUMBER: S123DIP-S340D585U935-4F0-1E-UDD-A1

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°	4.5	4.7	5.4	5.9	6.8	7.6	7.7	7.7	7.8	7.7	7.7
90°	1.5	2.7	3.8	4.8	6.1	7.5	9.0	10.3	11.8	12.2	12.7
92.5°	12.7	13.3	14.1	14.9	15.7	16.4	17.2	18.1	18.9	19.2	19.5
95°	29.7	30.5	31.3	32.0	32.9	33.8	34.6	35.5	36.3	36.8	37.2
97.5°	52.0	52.6	53.2	53.7	54.3	54.9	55.6	56.2	56.9	57.3	57.9
100°	67.4	68.1	68.8	69.4	70.0	70.5	71.1	71.6	72.2	72.5	72.8
102.5°	84.9	85.2	85.7	86.0	86.6	87.3	88.1	88.8	89.5	89.8	90.1
105°	110.7	110.9	111.2	111.4	111.9	113.0	113.9	114.9	115.9	115.9	115.9
107.5°	140.9	141.0	141.1	141.3	141.5	141.9	142.3	142.8	143.1	143.4	143.8
110°	159.8	160.1	160.2	160.5	160.7	160.9	161.2	161.4	161.6	162.0	162.5



TEST NUMBER: P331875-935

CATALOG NUMBER: S123DIP-S340D585U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	179.3	179.5	179.6	179.8	179.9	179.9	179.9	180.0	180.0	180.6	181.1
115°	209.1	209.4	209.7	210.0	210.1	209.8	209.7	209.4	209.2	209.3	209.4
117.5°	238.6	238.8	239.0	239.3	239.2	238.9	238.7	238.4	238.1	238.1	238.1
120°	257.5	258.1	258.8	259.5	259.5	259.0	258.5	257.9	257.4	257.3	257.1
122.5°	276.6	277.1	277.5	278.0	278.1	277.8	277.6	277.2	277.0	276.7	276.4
125°	305.8	306.1	306.4	306.8	306.9	306.6	306.4	306.2	306.0	305.5	305.1
127.5°	333.3	334.0	334.7	335.4	335.6	335.4	335.1	334.8	334.7	334.1	333.4
130°	351.5	352.4	353.3	354.1	354.4	354.1	353.8	353.4	353.1	352.7	352.2
132.5°	369.6	370.5	371.3	372.2	372.6	372.3	372.0	371.8	371.6	371.0	370.5
135°	397.0	397.6	398.3	398.9	399.2	399.1	399.0	398.9	398.8	398.4	397.9
137.5°	422.4	422.9	423.5	424.0	424.5	424.7	425.0	425.3	425.6	425.2	424.6
140°	440.1	440.7	441.2	441.7	442.0	442.1	442.3	442.4	442.5	442.4	442.3
142.5°	456.2	456.8	457.3	457.8	458.2	458.4	458.6	458.8	459.0	458.9	458.7
145°	481.0	481.2	481.5	481.6	481.9	482.2	482.6	482.9	483.3	483.1	483.0
147.5°	503.2	503.6	503.9	504.4	504.7	505.1	505.3	505.7	505.9	505.9	505.9
150°	518.3	518.6	518.8	519.0	519.2	519.4	519.6	519.9	520.0	520.0	520.0
152.5°	531.0	531.3	531.6	531.9	532.1	532.3	532.4	532.5	532.6	532.8	533.0
155°	550.5	550.5	550.5	550.5	550.6	550.7	550.8	551.0	551.0	551.5	551.9
157.5°	567.3	567.1	567.1	566.9	566.9	567.0	567.1	567.1	567.2	567.7	568.2
160°	577.8	577.6	577.4	577.1	577.0	577.0	577.0	577.0	577.0	577.6	578.2
162.5°	587.1	586.9	586.5	586.3	586.2	586.3	586.3	586.4	586.5	587.0	587.5
165°	599.3	599.0	598.7	598.3	598.1	598.1	598.1	598.1	598.1	598.8	599.5
167.5°	608.9	608.5	608.0	607.6	607.4	607.5	607.6	607.7	607.8	608.5	609.2
170°	614.4	614.0	613.5	613.1	612.9	612.9	612.9	612.9	612.9	613.6	614.4
172.5°	618.7	618.3	617.9	617.4	617.3	617.3	617.3	617.3	617.3	617.9	618.5
175°	623.3	622.8	622.4	622.0	621.7	621.7	621.7	621.7	621.7	622.4	623.0
177.5°	625.3	624.9	624.5	624.1	624.0	624.0	624.0	624.0	624.0	624.5	625.1
180°	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2	625.2



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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°	7.6	7.5	7.4	7.7	7.5	7.4	7.7
90°	13.1	13.5	13.9	14.1	14.3	14.6	14.7
92.5°	19.9	20.2	20.4	20.2	20.1	20.0	19.8
95°	37.6	38.1	38.3	38.3	38.3	38.3	38.3
97.5°	58.4	58.9	59.1	59.1	59.0	59.0	58.9
100°	73.2	73.5	73.8	74.0	74.2	74.4	74.6
102.5°	90.5	90.7	90.9	90.9	90.8	90.8	90.7
105°	115.9	115.9	116.0	116.2	116.4	116.7	116.9
107.5°	144.1	144.5	144.6	144.5	144.4	144.2	144.1
110°	162.9	163.3	163.4	163.2	163.0	162.8	162.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	181.6	182.1	182.4	182.4	182.3	182.3	182.2
115°	209.6	209.7	209.7	209.6	209.4	209.3	209.2
117.5°	238.0	238.0	237.8	237.5	237.2	236.9	236.6
120°	257.0	256.9	256.8	256.5	256.3	256.1	255.9
122.5°	276.1	275.9	275.5	275.3	274.9	274.7	274.3
125°	304.6	304.2	303.8	303.3	302.9	302.5	302.0
127.5°	332.8	332.2	331.7	331.1	330.6	330.1	329.6
130°	351.8	351.4	350.8	350.0	349.2	348.4	347.7
132.5°	370.0	369.5	368.9	368.3	367.7	367.1	366.5
135°	397.4	397.0	396.7	396.5	396.2	396.1	395.8
137.5°	424.2	423.8	423.4	422.9	422.5	422.1	421.6
140°	442.1	442.0	441.6	440.8	440.1	439.3	438.6
142.5°	458.7	458.6	458.2	457.6	457.0	456.4	455.8
145°	482.9	482.8	482.5	482.1	481.6	481.2	480.8
147.5°	505.9	505.9	505.6	505.0	504.3	503.7	503.0
150°	520.0	520.0	519.8	519.1	518.4	517.8	517.1
152.5°	533.2	533.4	533.1	532.6	532.0	531.5	530.9
155°	552.3	552.8	552.6	551.8	551.0	550.4	549.6
157.5°	568.6	569.0	568.9	568.3	567.7	567.1	566.5
160°	578.7	579.2	579.3	578.9	578.4	578.0	577.6
162.5°	588.1	588.7	588.6	587.9	587.2	586.5	585.8
165°	600.1	600.8	600.7	599.9	599.2	598.5	597.7
167.5°	609.8	610.5	610.5	609.8	609.2	608.5	607.8
170°	615.2	616.0	616.0	615.2	614.4	613.6	612.9
172.5°	619.2	619.9	619.9	619.1	618.4	617.6	616.8
175°	623.7	624.4	624.3	623.5	622.8	622.0	621.2
177.5°	625.6	626.1	626.0	625.4	624.8	624.2	623.6
180°	625.2	625.2	625.2	625.2	625.2	625.2	625.2

(END OF REPORT)