

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: P331875-927

Luminaire Tested: **S123DIP-S340D585U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331875-927
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-S340D585U927-4F0-1E-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: 2745.1 lumens
Efficiency: N/A
Efficacy: 107.2 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

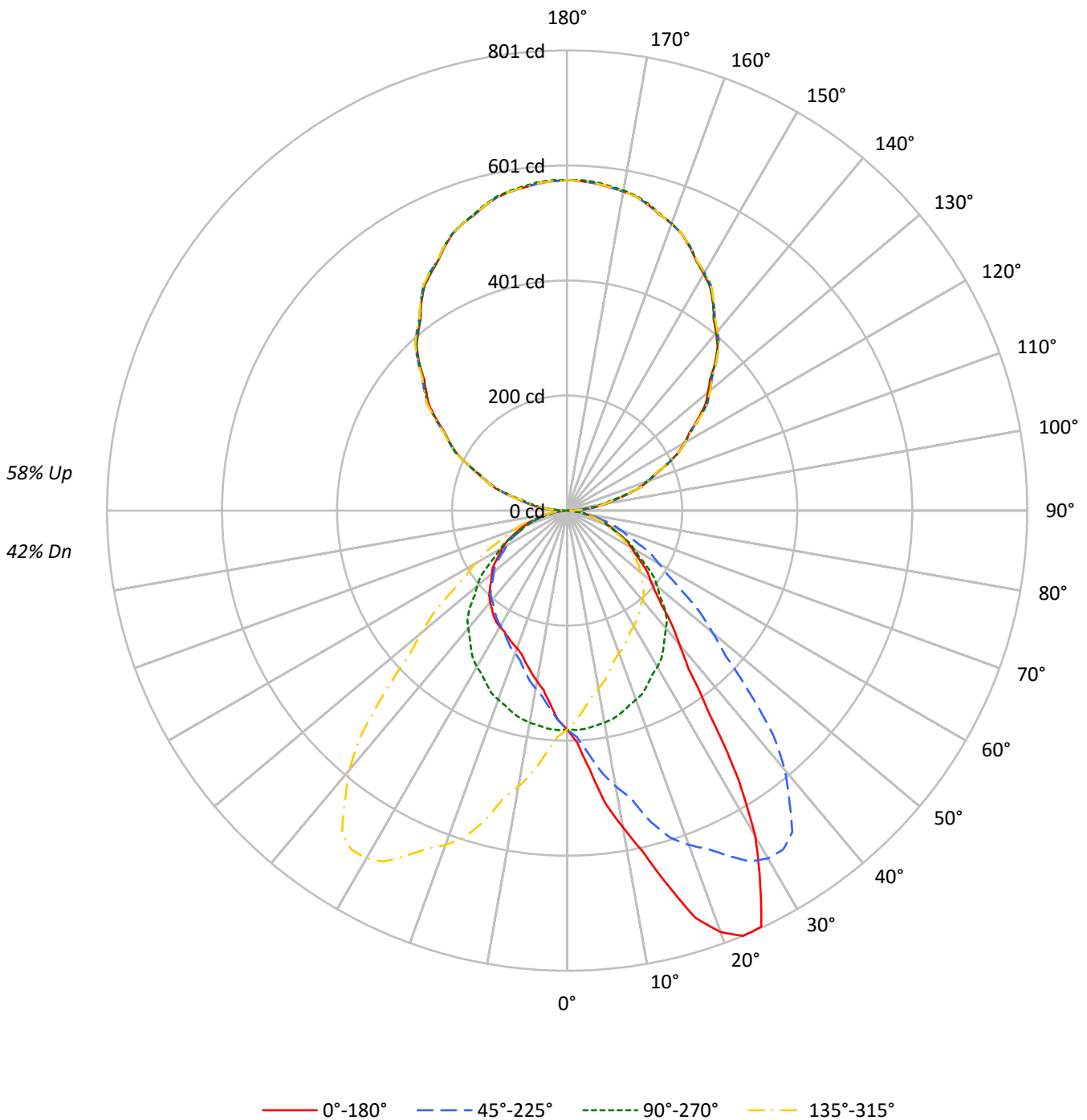
Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4100	4100	4100	4100
5°	4889	4118	3649	4118
10°	6120	4098	3296	4098
15°	7506	4063	3069	4063
20°	8942	4013	2922	4013
25°	9495	3950	2888	3950
30°	8139	3904	2903	3904
35°	5660	3840	2934	3840
40°	4263	3763	2925	3763
45°	3539	3649	2888	3649
50°	3170	3418	2862	3418
55°	2965	3170	2826	3170
60°	2781	2908	2796	2908
65°	2613	2651	2707	2651
70°	2452	2357	2578	2357
75°	2196	2067	2366	2067
80°	1922	1692	2039	1692
85°	1507	1235	1371	1235



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.5	1.4
10°-20°	120.3	4.4
20°-30°	201.9	7.4
30°-40°	228.6	8.3
40°-50°	205.0	7.5
50°-60°	165.5	6.0
60°-70°	115.3	4.2
70°-80°	60.6	2.2
80°-90°	16.5	0.6
90°-100°	37.5	1.4
100°-110°	112.2	4.1
110°-120°	190.8	6.9
120°-130°	250.9	9.1
130°-140°	282.0	10.3
140°-150°	277.2	10.1
150°-160°	233.4	8.5
160°-170°	155.4	5.7
170°-180°	54.4	2.0
0°-30°	359.8	13.1
0°-40°	588.4	21.4
0°-60°	958.9	34.9
0°-90°	1151.4	41.9
90°-120°	340.4	12.4
90°-150°	1150.6	41.9
90°-180°	1594.0	58.1
0°-180°	2745.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	381	381	381	381	381	
5°	452	381	338	381	452	47
15°	674	365	275	365	674	194
25°	800	333	243	333	800	351
35°	431	292	223	292	431	280
45°	232	240	190	240	232	184
55°	158	169	151	169	158	142
65°	103	104	106	104	103	102
75°	53	50	57	50	53	56
85°	12	10	11	10	12	15
90°	14	0	14	0	14	7
95°	35	27	35	27	35	36
105°	108	102	108	102	108	114
115°	192	192	192	192	192	191
125°	278	281	278	281	278	248
135°	364	365	364	365	364	280
145°	442	442	442	442	442	276
155°	506	506	506	506	506	233
165°	550	552	550	552	550	155
175°	572	574	572	574	572	54
180°	575	575	575	575	575	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9
2.5°	404.3	403.9	403.2	403.8	402.6	401.0	400.8	399.3	395.1	394.8	393.6
5°	452.5	451.1	450.8	450.7	448.1	444.6	437.9	437.4	428.5	424.1	418.7
7.5°	515.1	515.8	513.1	510.8	502.9	497.6	490.5	481.4	470.6	459.5	452.2
10°	559.9	566.0	558.5	553.3	548.5	539.5	528.9	515.8	502.7	487.4	475.8
12.5°	608.1	611.0	609.5	604.7	597.2	583.4	564.8	550.3	538.3	512.8	502.5
15°	673.6	684.8	677.6	661.1	661.4	648.3	624.0	597.2	583.0	560.6	530.2
17.5°	743.5	744.8	741.8	727.9	718.7	700.7	678.2	652.6	623.8	596.8	564.4
20°	780.6	779.5	773.1	765.9	750.0	736.0	711.5	682.9	645.9	619.3	584.1
22.5°	801.3	799.5	796.4	790.4	777.2	762.2	740.1	708.8	673.7	637.1	596.4
25°	799.5	801.8	802.2	800.6	796.0	787.0	769.6	744.7	709.6	662.5	620.1
27.5°	727.1	730.6	740.4	749.2	758.9	768.9	767.5	755.2	729.2	688.6	636.7
30°	654.8	647.4	665.7	688.7	704.4	732.1	747.6	748.5	734.0	699.1	648.5
32.5°	554.4	562.5	570.6	599.0	633.3	664.3	695.2	720.0	722.9	699.7	655.5
35°	430.7	440.9	455.7	470.4	507.3	539.1	593.3	640.6	678.2	683.2	656.1
37.5°	347.1	352.1	361.5	376.3	400.4	438.1	480.0	539.7	594.3	634.9	636.6
40°	303.4	304.9	315.4	326.6	346.2	377.2	415.0	467.9	533.1	589.9	613.5
42.5°	270.6	273.9	278.4	289.1	304.8	328.0	363.2	406.9	466.8	532.0	578.1
45°	232.5	236.2	239.0	246.2	257.3	273.0	297.5	337.4	382.9	450.3	512.5
47.5°	207.4	207.6	209.7	215.2	222.7	234.5	251.8	277.4	319.2	373.9	437.8
50°	189.3	192.3	193.1	197.3	203.2	211.8	226.2	248.0	282.3	330.3	389.0
52.5°	176.7	177.5	179.6	182.7	187.8	194.6	207.1	224.1	251.0	292.0	345.9
55°	158.0	158.0	160.0	162.4	165.3	171.4	179.7	192.3	212.8	244.5	289.2
57.5°	140.7	141.6	143.1	143.8	146.3	150.4	157.2	166.8	182.0	206.5	242.0
60°	129.2	130.9	130.6	132.1	134.4	137.5	143.4	151.1	164.8	184.3	214.3
62.5°	119.1	119.1	119.0	120.8	122.9	126.0	129.8	136.5	148.1	165.5	190.9
65°	102.6	102.3	103.5	104.6	105.4	107.6	110.5	116.5	124.2	137.1	156.9
67.5°	87.9	86.8	87.5	87.9	89.2	90.9	93.7	97.4	103.5	113.8	128.7
70°	77.9	76.9	76.8	77.2	78.3	79.5	81.6	85.1	90.8	99.1	110.0
72.5°	67.6	66.9	66.9	67.7	68.2	69.1	70.5	73.7	78.3	84.5	94.7
75°	52.8	52.8	52.8	53.0	53.6	54.3	55.4	57.0	60.5	65.0	71.8
77.5°	39.5	39.5	39.3	39.3	40.1	40.4	40.6	42.2	44.2	47.1	52.1
80°	31.0	30.1	30.4	31.0	31.4	31.5	32.1	32.5	34.1	35.8	39.3
82.5°	23.1	22.3	22.3	23.2	23.3	23.4	24.0	24.5	25.1	26.6	28.5
85°	12.2	12.2	12.4	12.4	12.5	12.4	12.9	13.1	13.1	14.0	15.1
87.5°	7.1	6.8	6.9	7.1	6.8	6.9	7.0	7.1	7.1	7.2	7.1
90°	13.5	13.4	13.2	13.0	12.8	12.4	12.0	11.6	11.2	10.9	9.5
92.5°	18.2	18.4	18.5	18.6	18.8	18.6	18.3	18.0	17.7	17.3	16.6
95°	35.3	35.3	35.3	35.3	35.3	35.0	34.6	34.2	33.8	33.4	32.6
97.5°	54.2	54.3	54.3	54.3	54.3	54.2	53.7	53.2	52.8	52.4	51.7
100°	68.7	68.4	68.3	68.0	67.9	67.7	67.3	67.0	66.7	66.4	65.9
102.5°	83.5	83.6	83.6	83.7	83.7	83.5	83.3	82.9	82.6	82.3	81.7
105°	107.6	107.3	107.1	106.9	106.7	106.6	106.6	106.6	106.6	106.6	105.8
107.5°	132.6	132.7	132.8	132.9	133.1	132.9	132.6	132.3	132.0	131.7	131.3
110°	149.6	149.8	150.0	150.2	150.4	150.3	149.9	149.5	149.1	148.7	148.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	167.6	167.7	167.7	167.8	167.8	167.5	167.1	166.6	166.1	165.6	165.6
115°	192.5	192.6	192.7	192.8	192.9	192.9	192.8	192.7	192.6	192.5	192.7
117.5°	217.7	218.0	218.2	218.6	218.8	219.0	219.0	219.0	219.0	219.0	219.4
120°	235.4	235.6	235.8	236.0	236.2	236.4	236.5	236.5	236.7	236.8	237.3
122.5°	252.4	252.7	252.9	253.3	253.5	253.8	254.1	254.3	254.6	254.8	255.1
125°	277.9	278.3	278.7	279.1	279.5	279.9	280.3	280.7	281.1	281.5	281.7
127.5°	303.2	303.7	304.2	304.7	305.1	305.6	306.2	306.7	307.4	307.9	308.1
130°	319.9	320.6	321.3	322.0	322.7	323.3	323.7	324.1	324.5	324.9	325.2
132.5°	337.2	337.8	338.3	338.9	339.5	339.9	340.4	340.9	341.4	341.9	342.1
135°	364.2	364.4	364.6	364.8	365.0	365.3	365.7	366.1	366.5	366.9	367.0
137.5°	387.9	388.3	388.7	389.1	389.5	389.9	390.3	390.7	391.2	391.6	391.3
140°	403.5	404.2	404.9	405.6	406.3	406.7	406.8	406.9	407.0	407.1	407.0
142.5°	419.4	419.9	420.5	421.0	421.6	421.9	422.0	422.1	422.2	422.3	422.2
145°	442.4	442.8	443.1	443.5	443.9	444.3	444.3	444.4	444.5	444.7	444.3
147.5°	462.8	463.4	464.0	464.6	465.2	465.5	465.5	465.5	465.5	465.5	465.2
150°	475.8	476.4	477.0	477.6	478.2	478.5	478.5	478.5	478.5	478.5	478.3
152.5°	488.5	489.0	489.5	490.0	490.5	490.8	490.6	490.4	490.2	490.0	490.0
155°	505.6	506.4	507.0	507.7	508.4	508.6	508.2	507.8	507.4	507.0	506.9
157.5°	521.3	521.8	522.4	522.9	523.5	523.6	523.2	522.8	522.3	521.9	521.8
160°	531.4	531.8	532.2	532.6	533.0	532.9	532.4	532.0	531.4	530.9	530.9
162.5°	539.0	539.6	540.3	540.9	541.5	541.6	541.1	540.6	540.1	539.6	539.6
165°	549.9	550.6	551.3	552.0	552.7	552.8	552.2	551.6	551.0	550.3	550.3
167.5°	559.2	559.8	560.5	561.1	561.7	561.7	561.1	560.5	559.8	559.2	559.1
170°	563.9	564.6	565.3	566.0	566.7	566.7	566.0	565.3	564.6	563.9	563.9
172.5°	567.5	568.2	568.9	569.7	570.4	570.4	569.7	569.1	568.5	567.9	567.9
175°	571.6	572.3	573.0	573.7	574.4	574.5	573.9	573.2	572.7	572.0	572.0
177.5°	573.8	574.3	574.9	575.4	576.0	576.1	575.6	575.1	574.6	574.1	574.1
180°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9
2.5°	392.7	391.6	390.4	388.3	386.5	384.0	383.3	382.4	379.7	377.4	375.6
5°	416.7	412.3	405.8	399.9	395.1	388.6	385.0	381.1	375.6	370.6	366.5
7.5°	441.8	433.1	423.0	412.3	402.1	392.4	384.5	377.5	369.7	362.4	356.6
10°	461.8	449.2	435.1	420.0	407.1	394.6	384.0	374.9	364.9	356.2	349.0
12.5°	484.5	465.9	446.6	428.2	412.9	395.5	382.7	371.0	359.7	349.3	341.2
15°	511.4	487.7	464.9	439.6	416.4	394.6	379.5	364.6	351.6	340.9	330.5
17.5°	535.9	509.1	479.0	448.2	420.2	394.3	373.2	356.5	340.1	327.0	316.7
20°	549.8	519.4	485.2	453.3	422.2	393.5	370.2	350.3	332.6	318.7	307.1
22.5°	561.7	526.1	490.8	456.6	422.1	391.1	364.7	344.2	325.0	311.5	299.1
25°	574.2	531.5	496.1	456.1	417.5	385.3	355.8	332.6	313.4	297.5	284.8
27.5°	584.8	531.2	489.1	446.0	410.1	378.0	346.4	321.5	301.1	283.8	270.9
30°	591.8	531.9	481.9	439.3	403.1	369.9	339.2	314.1	292.7	275.2	263.0
32.5°	596.3	531.4	475.2	429.8	391.8	362.4	331.4	305.4	283.4	266.2	254.4
35°	598.9	528.1	463.7	410.3	373.8	345.1	319.1	292.2	269.1	253.0	239.7
37.5°	593.7	521.3	450.5	391.4	351.4	323.3	301.3	278.5	256.4	238.7	227.2
40°	585.6	516.9	440.1	378.1	336.0	309.0	290.3	267.8	246.0	229.2	218.5
42.5°	570.1	507.9	428.8	363.4	320.1	293.0	275.8	257.0	236.4	220.6	209.9
45°	532.3	488.3	411.7	341.3	296.6	268.5	253.4	239.7	221.1	205.8	196.5
47.5°	479.7	458.8	387.1	317.9	272.0	245.0	229.3	218.3	204.7	192.3	183.5
50°	443.3	434.6	370.4	301.9	255.6	229.2	214.0	204.1	194.3	182.0	173.9
52.5°	401.2	406.5	350.9	285.4	238.9	212.9	198.8	190.8	182.0	171.7	164.7
55°	342.0	361.3	317.3	257.6	214.0	189.3	175.9	168.9	163.7	156.1	150.0
57.5°	286.5	311.2	280.8	229.0	189.6	168.3	155.4	147.8	144.5	140.5	135.7
60°	253.6	277.9	254.8	209.8	173.3	153.0	141.6	135.1	131.7	129.0	124.9
62.5°	224.2	248.8	229.5	190.4	157.2	138.4	128.4	122.1	119.5	118.1	114.6
65°	183.8	205.0	192.1	160.0	134.2	117.6	108.5	104.1	101.7	101.2	98.9
67.5°	149.6	165.7	156.4	132.7	112.4	98.1	90.4	86.6	84.8	84.5	82.9
70°	127.1	142.3	135.1	113.7	96.2	84.9	78.3	74.9	73.8	73.7	72.7
72.5°	109.7	120.3	114.5	96.7	83.2	73.0	68.0	64.6	63.4	63.6	63.0
75°	81.2	89.1	85.8	73.4	62.6	55.9	51.9	49.7	48.6	49.1	48.3
77.5°	58.5	63.5	60.4	51.9	45.2	40.4	37.4	36.0	35.0	35.0	34.7
80°	44.1	47.1	45.4	40.2	34.7	30.7	28.2	27.3	26.8	26.5	26.4
82.5°	31.4	33.9	31.9	28.4	24.6	22.2	20.8	19.6	19.3	19.3	19.2
85°	15.8	16.8	16.1	13.9	12.4	11.2	10.5	10.0	9.6	9.7	9.4
87.5°	7.1	7.0	6.3	5.5	5.0	4.4	4.1	3.6	3.6	3.7	3.8
90°	8.2	6.9	5.6	4.4	3.5	2.5	1.4	0.5	1.4	2.5	3.5
92.5°	15.8	15.1	14.4	13.7	13.0	12.3	11.6	10.9	11.6	12.3	13.0
95°	31.8	31.1	30.3	29.5	28.8	28.0	27.3	26.7	27.3	28.0	28.8
97.5°	51.2	50.5	50.0	49.4	49.0	48.4	47.8	47.4	47.8	48.4	49.0
100°	65.4	64.9	64.4	63.8	63.3	62.7	62.0	61.5	62.0	62.7	63.3
102.5°	81.0	80.3	79.7	79.1	78.8	78.4	78.1	77.7	78.1	78.4	78.8
105°	104.8	103.9	103.0	102.5	102.3	102.0	101.9	101.6	101.9	102.0	102.3
107.5°	130.9	130.6	130.2	130.0	129.8	129.8	129.6	129.5	129.6	129.8	129.8
110°	148.3	148.1	147.8	147.7	147.4	147.3	147.0	146.9	147.0	147.3	147.4



TEST NUMBER: P331875-927

CATALOG NUMBER: S123DIP-S340D585U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	165.6	165.6	165.5	165.4	165.2	165.2	165.0	164.9	165.0	165.2	165.2
115°	192.9	193.1	193.3	193.2	193.0	192.7	192.3	192.0	192.3	192.7	193.0
117.5°	219.6	219.8	220.1	220.1	219.9	219.8	219.5	219.4	219.5	219.8	219.9
120°	237.8	238.3	238.8	238.8	238.1	237.5	236.9	236.3	236.9	237.5	238.1
122.5°	255.4	255.6	255.9	255.8	255.3	254.9	254.4	254.1	254.4	254.9	255.3
125°	281.9	282.1	282.3	282.3	281.9	281.6	281.4	281.1	281.4	281.6	281.9
127.5°	308.3	308.6	308.8	308.6	307.9	307.3	306.7	306.0	306.7	307.3	307.9
130°	325.5	325.8	326.1	325.8	325.0	324.2	323.4	322.7	323.4	324.2	325.0
132.5°	342.3	342.5	342.8	342.5	341.7	340.9	340.1	339.2	340.1	340.9	341.7
135°	367.1	367.2	367.3	367.0	366.5	365.8	365.3	364.6	365.3	365.8	366.5
137.5°	391.0	390.8	390.5	390.1	389.7	389.1	388.6	388.2	388.6	389.1	389.7
140°	406.9	406.8	406.7	406.4	405.9	405.4	404.9	404.4	404.9	405.4	405.9
142.5°	421.9	421.8	421.6	421.2	420.7	420.3	419.7	419.2	419.7	420.3	420.7
145°	444.0	443.7	443.4	443.1	443.0	442.8	442.6	442.4	442.6	442.8	443.0
147.5°	464.9	464.7	464.4	464.1	463.7	463.3	463.0	462.6	463.0	463.3	463.7
150°	478.1	477.9	477.7	477.5	477.3	477.1	476.9	476.7	476.9	477.1	477.3
152.5°	489.8	489.7	489.6	489.4	489.1	488.9	488.5	488.3	488.5	488.9	489.1
155°	506.8	506.7	506.6	506.5	506.5	506.5	506.5	506.5	506.5	506.5	506.5
157.5°	521.7	521.7	521.6	521.6	521.7	521.8	522.0	522.0	522.0	521.8	521.7
160°	530.9	530.9	530.9	531.0	531.2	531.4	531.6	531.8	531.6	531.4	531.2
162.5°	539.5	539.4	539.3	539.4	539.6	540.0	540.2	540.5	540.2	540.0	539.6
165°	550.3	550.3	550.3	550.5	550.8	551.1	551.4	551.7	551.4	551.1	550.8
167.5°	559.0	559.0	558.9	559.0	559.4	559.8	560.2	560.6	560.2	559.8	559.4
170°	563.9	563.9	563.9	564.1	564.5	564.9	565.3	565.7	565.3	564.9	564.5
172.5°	567.9	567.9	567.9	568.1	568.5	568.9	569.3	569.7	569.3	568.9	568.5
175°	572.0	572.0	572.0	572.3	572.7	573.1	573.5	573.9	573.5	573.1	572.7
177.5°	574.1	574.1	574.1	574.3	574.6	575.0	575.3	575.6	575.3	575.0	574.6
180°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2



TEST NUMBER: P331875-927

CATALOG NUMBER: S123DIP-S340D585U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9
2.5°	374.5	373.5	372.1	369.9	368.0	365.3	365.3	365.7	365.7	365.6	365.3
5°	363.2	360.4	357.1	353.2	349.2	345.1	344.4	342.9	341.8	341.0	340.2
7.5°	351.2	346.3	341.4	336.0	331.1	327.0	324.2	321.8	320.3	318.6	317.4
10°	343.1	337.0	331.3	325.6	319.2	314.3	311.2	309.0	307.3	305.8	305.1
12.5°	333.5	326.5	320.2	314.7	307.9	302.8	299.8	298.7	296.8	293.7	292.1
15°	319.5	313.0	305.5	297.1	293.8	287.6	284.0	282.3	281.2	278.8	278.1
17.5°	307.4	299.0	290.5	284.3	278.1	273.1	271.1	269.0	267.6	265.6	265.0
20°	297.9	290.3	282.6	275.9	269.4	263.9	262.2	260.8	259.3	258.4	257.6
22.5°	288.1	280.6	274.1	267.9	261.0	257.4	255.6	254.0	252.9	252.3	251.6
25°	274.4	267.8	260.5	255.1	249.5	247.1	246.0	245.1	244.3	243.4	243.2
27.5°	262.2	254.9	249.1	243.9	240.0	238.0	236.9	236.5	236.6	236.9	237.2
30°	253.0	246.4	241.6	237.2	233.5	231.6	231.4	231.4	232.2	232.3	232.7
32.5°	244.6	239.2	234.3	230.0	227.3	226.0	226.7	226.7	227.3	227.8	228.5
35°	232.3	227.5	223.9	220.1	217.8	218.3	218.7	219.0	220.0	221.1	221.8
37.5°	220.6	216.5	212.6	209.8	208.7	209.6	210.6	211.3	212.4	213.3	214.0
40°	212.2	209.1	205.4	202.8	203.2	203.7	204.5	205.4	206.4	206.9	207.6
42.5°	204.4	201.1	198.3	196.1	196.7	197.4	197.8	198.3	199.4	200.4	200.8
45°	192.5	189.9	187.4	186.0	186.4	186.8	187.1	187.7	188.6	189.3	189.6
47.5°	179.1	177.3	175.5	174.3	174.9	174.8	175.2	176.4	176.7	177.1	178.2
50°	170.6	168.9	166.8	166.4	166.4	166.4	166.7	168.1	168.1	168.9	169.6
52.5°	161.1	160.0	158.8	158.0	157.7	157.7	158.5	159.2	159.5	160.6	161.4
55°	147.1	146.0	144.9	144.3	143.9	144.3	145.8	146.2	147.1	147.7	148.2
57.5°	132.5	131.7	130.8	130.5	130.4	130.9	131.7	132.8	133.0	134.8	135.5
60°	122.9	121.6	120.9	120.9	120.5	122.2	121.8	123.7	124.1	125.2	126.4
62.5°	113.0	111.3	111.0	111.0	111.5	112.0	112.5	113.3	114.3	115.7	116.7
65°	97.0	96.2	97.4	97.3	96.9	98.0	98.0	98.9	100.1	101.3	103.4
67.5°	82.0	81.5	81.6	81.6	82.1	82.8	83.3	84.1	85.5	86.8	88.2
70°	71.8	72.3	71.5	72.2	72.7	72.9	73.3	74.4	75.8	76.8	78.3
72.5°	61.9	61.9	61.9	62.3	62.8	63.1	63.5	64.8	66.4	67.2	68.4
75°	47.6	47.5	48.0	48.0	48.9	49.3	49.7	50.2	51.7	52.8	53.7
77.5°	34.8	35.0	34.9	35.5	35.3	35.3	36.4	37.0	37.2	39.4	39.8
80°	26.2	26.5	26.8	26.9	27.1	26.8	28.0	28.6	28.6	29.9	30.8
82.5°	18.9	19.0	19.5	19.7	19.7	20.1	20.2	20.6	21.1	21.6	22.8
85°	9.4	10.0	10.1	10.0	10.1	9.7	10.3	10.5	10.7	10.7	10.7
87.5°	3.9	4.2	4.4	4.8	4.8	5.3	5.4	5.1	5.2	5.7	5.2
90°	4.4	5.6	6.9	8.2	9.5	10.9	11.2	11.6	12.0	12.4	12.8
92.5°	13.7	14.4	15.1	15.8	16.6	17.3	17.7	18.0	18.3	18.6	18.8
95°	29.5	30.3	31.1	31.8	32.6	33.4	33.8	34.2	34.6	35.0	35.3
97.5°	49.4	50.0	50.5	51.2	51.7	52.4	52.8	53.2	53.7	54.2	54.3
100°	63.8	64.4	64.9	65.4	65.9	66.4	66.7	67.0	67.3	67.7	67.9
102.5°	79.1	79.7	80.3	81.0	81.7	82.3	82.6	82.9	83.3	83.5	83.7
105°	102.5	103.0	103.9	104.8	105.8	106.6	106.6	106.6	106.6	106.6	106.7
107.5°	130.0	130.2	130.6	130.9	131.3	131.7	132.0	132.3	132.6	132.9	133.1
110°	147.7	147.8	148.1	148.3	148.5	148.7	149.1	149.5	149.9	150.3	150.4



TEST NUMBER: P331875-927

CATALOG NUMBER: S123DIP-S340D585U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	165.4	165.5	165.6	165.6	165.6	165.6	166.1	166.6	167.1	167.5	167.8
115°	193.2	193.3	193.1	192.9	192.7	192.5	192.6	192.7	192.8	192.9	192.9
117.5°	220.1	220.1	219.8	219.6	219.4	219.0	219.0	219.0	219.0	219.0	218.8
120°	238.8	238.8	238.3	237.8	237.3	236.8	236.7	236.5	236.5	236.4	236.2
122.5°	255.8	255.9	255.6	255.4	255.1	254.8	254.6	254.3	254.1	253.8	253.5
125°	282.3	282.3	282.1	281.9	281.7	281.5	281.1	280.7	280.3	279.9	279.5
127.5°	308.6	308.8	308.6	308.3	308.1	307.9	307.4	306.7	306.2	305.6	305.1
130°	325.8	326.1	325.8	325.5	325.2	324.9	324.5	324.1	323.7	323.3	322.7
132.5°	342.5	342.8	342.5	342.3	342.1	341.9	341.4	340.9	340.4	339.9	339.5
135°	367.0	367.3	367.2	367.1	367.0	366.9	366.5	366.1	365.7	365.3	365.0
137.5°	390.1	390.5	390.8	391.0	391.3	391.6	391.2	390.7	390.3	389.9	389.5
140°	406.4	406.7	406.8	406.9	407.0	407.1	407.0	406.9	406.8	406.7	406.3
142.5°	421.2	421.6	421.8	421.9	422.2	422.3	422.2	422.1	422.0	421.9	421.6
145°	443.1	443.4	443.7	444.0	444.3	444.7	444.5	444.4	444.3	444.3	443.9
147.5°	464.1	464.4	464.7	464.9	465.2	465.5	465.5	465.5	465.5	465.5	465.2
150°	477.5	477.7	477.9	478.1	478.3	478.5	478.5	478.5	478.5	478.5	478.2
152.5°	489.4	489.6	489.7	489.8	490.0	490.0	490.2	490.4	490.6	490.8	490.5
155°	506.5	506.6	506.7	506.8	506.9	507.0	507.4	507.8	508.2	508.6	508.4
157.5°	521.6	521.6	521.7	521.7	521.8	521.9	522.3	522.8	523.2	523.6	523.5
160°	531.0	530.9	530.9	530.9	530.9	530.9	531.4	532.0	532.4	532.9	533.0
162.5°	539.4	539.3	539.4	539.5	539.6	539.6	540.1	540.6	541.1	541.6	541.5
165°	550.5	550.3	550.3	550.3	550.3	550.3	551.0	551.6	552.2	552.8	552.7
167.5°	559.0	558.9	559.0	559.0	559.1	559.2	559.8	560.5	561.1	561.7	561.7
170°	564.1	563.9	563.9	563.9	563.9	563.9	564.6	565.3	566.0	566.7	566.7
172.5°	568.1	567.9	567.9	567.9	567.9	567.9	568.5	569.1	569.7	570.4	570.4
175°	572.3	572.0	572.0	572.0	572.0	572.0	572.7	573.2	573.9	574.5	574.4
177.5°	574.3	574.1	574.1	574.1	574.1	574.1	574.6	575.1	575.6	576.1	576.0
180°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2



TEST NUMBER: P331875-927

CATALOG NUMBER: S123DIP-S340D585U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9
2.5°	364.2	364.1	365.1	364.4	365.1	364.1	364.2	365.3	365.6	365.7	365.7
5°	339.1	339.6	337.7	337.7	337.7	339.6	339.1	340.2	341.0	341.8	342.9
7.5°	316.6	315.8	315.8	314.8	315.8	315.8	316.6	317.4	318.6	320.3	321.8
10°	302.9	301.7	301.3	301.6	301.3	301.7	302.9	305.1	305.8	307.3	309.0
12.5°	291.4	291.3	288.8	288.8	288.8	291.3	291.4	292.1	293.7	296.8	298.7
15°	278.1	274.6	274.3	275.4	274.3	274.6	278.1	278.1	278.8	281.2	282.3
17.5°	264.7	262.8	263.0	262.4	263.0	262.8	264.7	265.0	265.6	267.6	269.0
20°	257.6	256.5	256.4	255.1	256.4	256.5	257.6	257.6	258.4	259.3	260.8
22.5°	251.1	250.8	250.9	249.5	250.9	250.8	251.1	251.6	252.3	252.9	254.0
25°	243.0	244.0	243.2	243.2	243.2	244.0	243.0	243.2	243.4	244.3	245.1
27.5°	237.6	237.6	237.2	237.2	237.2	237.6	237.6	237.2	236.9	236.6	236.5
30°	233.5	233.3	233.6	233.6	233.6	233.3	233.5	232.7	232.3	232.2	231.4
32.5°	229.3	229.6	229.7	229.8	229.7	229.6	229.3	228.5	227.8	227.3	226.7
35°	222.9	223.2	223.7	223.3	223.7	223.2	222.9	221.8	221.1	220.0	219.0
37.5°	214.3	215.2	215.0	215.2	215.0	215.2	214.3	214.0	213.3	212.4	211.3
40°	207.8	208.3	208.2	208.2	208.2	208.3	207.8	207.6	206.9	206.4	205.4
42.5°	201.1	201.5	201.1	200.8	201.1	201.5	201.1	200.8	200.4	199.4	198.3
45°	190.3	189.9	190.4	189.7	190.4	189.9	190.3	189.6	189.3	188.6	187.7
47.5°	178.1	178.5	178.6	179.2	178.6	178.5	178.1	178.2	177.1	176.7	176.4
50°	170.0	171.1	171.1	170.9	171.1	171.1	170.0	169.6	168.9	168.1	168.1
52.5°	162.0	162.5	163.3	163.2	163.3	162.5	162.0	161.4	160.6	159.5	159.2
55°	149.6	150.0	150.4	150.6	150.4	150.0	149.6	148.2	147.7	147.1	146.2
57.5°	136.9	136.7	137.6	137.9	137.6	136.7	136.9	135.5	134.8	133.0	132.8
60°	127.9	127.9	129.4	129.9	129.4	127.9	127.9	126.4	125.2	124.1	123.7
62.5°	118.3	118.9	120.3	119.6	120.3	118.9	118.3	116.7	115.7	114.3	113.3
65°	104.3	105.8	105.6	106.3	105.6	105.8	104.3	103.4	101.3	100.1	98.9
67.5°	89.6	90.5	91.9	92.0	91.9	90.5	89.6	88.2	86.8	85.5	84.1
70°	79.7	80.6	81.4	81.9	81.4	80.6	79.7	78.3	76.8	75.8	74.4
72.5°	70.1	70.6	72.4	71.6	72.4	70.6	70.1	68.4	67.2	66.4	64.8
75°	55.0	56.3	57.4	56.9	57.4	56.3	55.0	53.7	52.8	51.7	50.2
77.5°	40.6	42.0	42.5	42.0	42.5	42.0	40.6	39.8	39.4	37.2	37.0
80°	32.1	31.9	33.0	32.9	33.0	31.9	32.1	30.8	29.9	28.6	28.6
82.5°	23.5	23.4	23.8	24.0	23.8	23.4	23.5	22.8	21.6	21.1	20.6
85°	11.4	12.0	11.2	11.1	11.2	12.0	11.4	10.7	10.7	10.7	10.5
87.5°	5.2	5.3	5.1	5.1	5.1	5.3	5.2	5.2	5.7	5.2	5.1
90°	13.0	13.2	13.4	13.5	13.4	13.2	13.0	12.8	12.4	12.0	11.6
92.5°	18.6	18.5	18.4	18.2	18.4	18.5	18.6	18.8	18.6	18.3	18.0
95°	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.0	34.6	34.2
97.5°	54.3	54.3	54.3	54.2	54.3	54.3	54.3	54.3	54.2	53.7	53.2
100°	68.0	68.3	68.4	68.7	68.4	68.3	68.0	67.9	67.7	67.3	67.0
102.5°	83.7	83.6	83.6	83.5	83.6	83.6	83.7	83.7	83.5	83.3	82.9
105°	106.9	107.1	107.3	107.6	107.3	107.1	106.9	106.7	106.6	106.6	106.6
107.5°	132.9	132.8	132.7	132.6	132.7	132.8	132.9	133.1	132.9	132.6	132.3
110°	150.2	150.0	149.8	149.6	149.8	150.0	150.2	150.4	150.3	149.9	149.5



TEST NUMBER: P331875-927

CATALOG NUMBER: S123DIP-S340D585U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	167.8	167.7	167.7	167.6	167.7	167.7	167.8	167.8	167.5	167.1	166.6
115°	192.8	192.7	192.6	192.5	192.6	192.7	192.8	192.9	192.9	192.8	192.7
117.5°	218.6	218.2	218.0	217.7	218.0	218.2	218.6	218.8	219.0	219.0	219.0
120°	236.0	235.8	235.6	235.4	235.6	235.8	236.0	236.2	236.4	236.5	236.5
122.5°	253.3	252.9	252.7	252.4	252.7	252.9	253.3	253.5	253.8	254.1	254.3
125°	279.1	278.7	278.3	277.9	278.3	278.7	279.1	279.5	279.9	280.3	280.7
127.5°	304.7	304.2	303.7	303.2	303.7	304.2	304.7	305.1	305.6	306.2	306.7
130°	322.0	321.3	320.6	319.9	320.6	321.3	322.0	322.7	323.3	323.7	324.1
132.5°	338.9	338.3	337.8	337.2	337.8	338.3	338.9	339.5	339.9	340.4	340.9
135°	364.8	364.6	364.4	364.2	364.4	364.6	364.8	365.0	365.3	365.7	366.1
137.5°	389.1	388.7	388.3	387.9	388.3	388.7	389.1	389.5	389.9	390.3	390.7
140°	405.6	404.9	404.2	403.5	404.2	404.9	405.6	406.3	406.7	406.8	406.9
142.5°	421.0	420.5	419.9	419.4	419.9	420.5	421.0	421.6	421.9	422.0	422.1
145°	443.5	443.1	442.8	442.4	442.8	443.1	443.5	443.9	444.3	444.3	444.4
147.5°	464.6	464.0	463.4	462.8	463.4	464.0	464.6	465.2	465.5	465.5	465.5
150°	477.6	477.0	476.4	475.8	476.4	477.0	477.6	478.2	478.5	478.5	478.5
152.5°	490.0	489.5	489.0	488.5	489.0	489.5	490.0	490.5	490.8	490.6	490.4
155°	507.7	507.0	506.4	505.6	506.4	507.0	507.7	508.4	508.6	508.2	507.8
157.5°	522.9	522.4	521.8	521.3	521.8	522.4	522.9	523.5	523.6	523.2	522.8
160°	532.6	532.2	531.8	531.4	531.8	532.2	532.6	533.0	532.9	532.4	532.0
162.5°	540.9	540.3	539.6	539.0	539.6	540.3	540.9	541.5	541.6	541.1	540.6
165°	552.0	551.3	550.6	549.9	550.6	551.3	552.0	552.7	552.8	552.2	551.6
167.5°	561.1	560.5	559.8	559.2	559.8	560.5	561.1	561.7	561.7	561.1	560.5
170°	566.0	565.3	564.6	563.9	564.6	565.3	566.0	566.7	566.7	566.0	565.3
172.5°	569.7	568.9	568.2	567.5	568.2	568.9	569.7	570.4	570.4	569.7	569.1
175°	573.7	573.0	572.3	571.6	572.3	573.0	573.7	574.4	574.5	573.9	573.2
177.5°	575.4	574.9	574.3	573.8	574.3	574.9	575.4	576.0	576.1	575.6	575.1
180°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2



TEST NUMBER: P331875-927

CATALOG NUMBER: S123DIP-S340D585U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9
2.5°	365.3	365.3	368.0	369.9	372.1	373.5	374.5	375.6	377.4	379.7	382.4
5°	344.4	345.1	349.2	353.2	357.1	360.4	363.2	366.5	370.6	375.6	381.1
7.5°	324.2	327.0	331.1	336.0	341.4	346.3	351.2	356.6	362.4	369.7	377.5
10°	311.2	314.3	319.2	325.6	331.3	337.0	343.1	349.0	356.2	364.9	374.9
12.5°	299.8	302.8	307.9	314.7	320.2	326.5	333.5	341.2	349.3	359.7	371.0
15°	284.0	287.6	293.8	297.1	305.5	313.0	319.5	330.5	340.9	351.6	364.6
17.5°	271.1	273.1	278.1	284.3	290.5	299.0	307.4	316.7	327.0	340.1	356.5
20°	262.2	263.9	269.4	275.9	282.6	290.3	297.9	307.1	318.7	332.6	350.3
22.5°	255.6	257.4	261.0	267.9	274.1	280.6	288.1	299.1	311.5	325.0	344.2
25°	246.0	247.1	249.5	255.1	260.5	267.8	274.4	284.8	297.5	313.4	332.6
27.5°	236.9	238.0	240.0	243.9	249.1	254.9	262.2	270.9	283.8	301.1	321.5
30°	231.4	231.6	233.5	237.2	241.6	246.4	253.0	263.0	275.2	292.7	314.1
32.5°	226.7	226.0	227.3	230.0	234.3	239.2	244.6	254.4	266.2	283.4	305.4
35°	218.7	218.3	217.8	220.1	223.9	227.5	232.3	239.7	253.0	269.1	292.2
37.5°	210.6	209.6	208.7	209.8	212.6	216.5	220.6	227.2	238.7	256.4	278.5
40°	204.5	203.7	203.2	202.8	205.4	209.1	212.2	218.5	229.2	246.0	267.8
42.5°	197.8	197.4	196.7	196.1	198.3	201.1	204.4	209.9	220.6	236.4	257.0
45°	187.1	186.8	186.4	186.0	187.4	189.9	192.5	196.5	205.8	221.1	239.7
47.5°	175.2	174.8	174.9	174.3	175.5	177.3	179.1	183.5	192.3	204.7	218.3
50°	166.7	166.4	166.4	166.4	166.8	168.9	170.6	173.9	182.0	194.3	204.1
52.5°	158.5	157.7	157.7	158.0	158.8	160.0	161.1	164.7	171.7	182.0	190.8
55°	145.8	144.3	143.9	144.3	144.9	146.0	147.1	150.0	156.1	163.7	168.9
57.5°	131.7	130.9	130.4	130.5	130.8	131.7	132.5	135.7	140.5	144.5	147.8
60°	121.8	122.2	120.5	120.9	120.9	121.6	122.9	124.9	129.0	131.7	135.1
62.5°	112.5	112.0	111.5	111.0	111.0	111.3	113.0	114.6	118.1	119.5	122.1
65°	98.0	98.0	96.9	97.3	97.4	96.2	97.0	98.9	101.2	101.7	104.1
67.5°	83.3	82.8	82.1	81.6	81.6	81.5	82.0	82.9	84.5	84.8	86.6
70°	73.3	72.9	72.7	72.2	71.5	72.3	71.8	72.7	73.7	73.8	74.9
72.5°	63.5	63.1	62.8	62.3	61.9	61.9	61.9	63.0	63.6	63.4	64.6
75°	49.7	49.3	48.9	48.0	48.0	47.5	47.6	48.3	49.1	48.6	49.7
77.5°	36.4	35.3	35.3	35.5	34.9	35.0	34.8	34.7	35.0	35.0	36.0
80°	28.0	26.8	27.1	26.9	26.8	26.5	26.2	26.4	26.5	26.8	27.3
82.5°	20.2	20.1	19.7	19.7	19.5	19.0	18.9	19.2	19.3	19.3	19.6
85°	10.3	9.7	10.1	10.0	10.1	10.0	9.4	9.4	9.7	9.6	10.0
87.5°	5.4	5.3	4.8	4.8	4.4	4.2	3.9	3.8	3.7	3.6	3.6
90°	11.2	10.9	9.5	8.2	6.9	5.6	4.4	3.5	2.5	1.4	0.5
92.5°	17.7	17.3	16.6	15.8	15.1	14.4	13.7	13.0	12.3	11.6	10.9
95°	33.8	33.4	32.6	31.8	31.1	30.3	29.5	28.8	28.0	27.3	26.7
97.5°	52.8	52.4	51.7	51.2	50.5	50.0	49.4	49.0	48.4	47.8	47.4
100°	66.7	66.4	65.9	65.4	64.9	64.4	63.8	63.3	62.7	62.0	61.5
102.5°	82.6	82.3	81.7	81.0	80.3	79.7	79.1	78.8	78.4	78.1	77.7
105°	106.6	106.6	105.8	104.8	103.9	103.0	102.5	102.3	102.0	101.9	101.6
107.5°	132.0	131.7	131.3	130.9	130.6	130.2	130.0	129.8	129.8	129.6	129.5
110°	149.1	148.7	148.5	148.3	148.1	147.8	147.7	147.4	147.3	147.0	146.9



TEST NUMBER: P331875-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	166.1	165.6	165.6	165.6	165.6	165.5	165.4	165.2	165.2	165.0	164.9
115°	192.6	192.5	192.7	192.9	193.1	193.3	193.2	193.0	192.7	192.3	192.0
117.5°	219.0	219.0	219.4	219.6	219.8	220.1	220.1	219.9	219.8	219.5	219.4
120°	236.7	236.8	237.3	237.8	238.3	238.8	238.8	238.1	237.5	236.9	236.3
122.5°	254.6	254.8	255.1	255.4	255.6	255.9	255.8	255.3	254.9	254.4	254.1
125°	281.1	281.5	281.7	281.9	282.1	282.3	282.3	281.9	281.6	281.4	281.1
127.5°	307.4	307.9	308.1	308.3	308.6	308.8	308.6	307.9	307.3	306.7	306.0
130°	324.5	324.9	325.2	325.5	325.8	326.1	325.8	325.0	324.2	323.4	322.7
132.5°	341.4	341.9	342.1	342.3	342.5	342.8	342.5	341.7	340.9	340.1	339.2
135°	366.5	366.9	367.0	367.1	367.2	367.3	367.0	366.5	365.8	365.3	364.6
137.5°	391.2	391.6	391.3	391.0	390.8	390.5	390.1	389.7	389.1	388.6	388.2
140°	407.0	407.1	407.0	406.9	406.8	406.7	406.4	405.9	405.4	404.9	404.4
142.5°	422.2	422.3	422.2	421.9	421.8	421.6	421.2	420.7	420.3	419.7	419.2
145°	444.5	444.7	444.3	444.0	443.7	443.4	443.1	443.0	442.8	442.6	442.4
147.5°	465.5	465.5	465.2	464.9	464.7	464.4	464.1	463.7	463.3	463.0	462.6
150°	478.5	478.5	478.3	478.1	477.9	477.7	477.5	477.3	477.1	476.9	476.7
152.5°	490.2	490.0	490.0	489.8	489.7	489.6	489.4	489.1	488.9	488.5	488.3
155°	507.4	507.0	506.9	506.8	506.7	506.6	506.5	506.5	506.5	506.5	506.5
157.5°	522.3	521.9	521.8	521.7	521.7	521.6	521.6	521.7	521.8	522.0	522.0
160°	531.4	530.9	530.9	530.9	530.9	530.9	531.0	531.2	531.4	531.6	531.8
162.5°	540.1	539.6	539.6	539.5	539.4	539.3	539.4	539.6	540.0	540.2	540.5
165°	551.0	550.3	550.3	550.3	550.3	550.3	550.5	550.8	551.1	551.4	551.7
167.5°	559.8	559.2	559.1	559.0	559.0	558.9	559.0	559.4	559.8	560.2	560.6
170°	564.6	563.9	563.9	563.9	563.9	563.9	564.1	564.5	564.9	565.3	565.7
172.5°	568.5	567.9	567.9	567.9	567.9	567.9	568.1	568.5	568.9	569.3	569.7
175°	572.7	572.0	572.0	572.0	572.0	572.0	572.3	572.7	573.1	573.5	573.9
177.5°	574.6	574.1	574.1	574.1	574.1	574.1	574.3	574.6	575.0	575.3	575.6
180°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2



TEST NUMBER: P331875-927

CATALOG NUMBER: S123DIP-S340D585U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9	380.9
2.5°	383.3	384.0	386.5	388.3	390.4	391.6	392.7	393.6	394.8	395.1	399.3
5°	385.0	388.6	395.1	399.9	405.8	412.3	416.7	418.7	424.1	428.5	437.4
7.5°	384.5	392.4	402.1	412.3	423.0	433.1	441.8	452.2	459.5	470.6	481.4
10°	384.0	394.6	407.1	420.0	435.1	449.2	461.8	475.8	487.4	502.7	515.8
12.5°	382.7	395.5	412.9	428.2	446.6	465.9	484.5	502.5	512.8	538.3	550.3
15°	379.5	394.6	416.4	439.6	464.9	487.7	511.4	530.2	560.6	583.0	597.2
17.5°	373.2	394.3	420.2	448.2	479.0	509.1	535.9	564.4	596.8	623.8	652.6
20°	370.2	393.5	422.2	453.3	485.2	519.4	549.8	584.1	619.3	645.9	682.9
22.5°	364.7	391.1	422.1	456.6	490.8	526.1	561.7	596.4	637.1	673.7	708.8
25°	355.8	385.3	417.5	456.1	496.1	531.5	574.2	620.1	662.5	709.6	744.7
27.5°	346.4	378.0	410.1	446.0	489.1	531.2	584.8	636.7	688.6	729.2	755.2
30°	339.2	369.9	403.1	439.3	481.9	531.9	591.8	648.5	699.1	734.0	748.5
32.5°	331.4	362.4	391.8	429.8	475.2	531.4	596.3	655.5	699.7	722.9	720.0
35°	319.1	345.1	373.8	410.3	463.7	528.1	598.9	656.1	683.2	678.2	640.6
37.5°	301.3	323.3	351.4	391.4	450.5	521.3	593.7	636.6	634.9	594.3	539.7
40°	290.3	309.0	336.0	378.1	440.1	516.9	585.6	613.5	589.9	533.1	467.9
42.5°	275.8	293.0	320.1	363.4	428.8	507.9	570.1	578.1	532.0	466.8	406.9
45°	253.4	268.5	296.6	341.3	411.7	488.3	532.3	512.5	450.3	382.9	337.4
47.5°	229.3	245.0	272.0	317.9	387.1	458.8	479.7	437.8	373.9	319.2	277.4
50°	214.0	229.2	255.6	301.9	370.4	434.6	443.3	389.0	330.3	282.3	248.0
52.5°	198.8	212.9	238.9	285.4	350.9	406.5	401.2	345.9	292.0	251.0	224.1
55°	175.9	189.3	214.0	257.6	317.3	361.3	342.0	289.2	244.5	212.8	192.3
57.5°	155.4	168.3	189.6	229.0	280.8	311.2	286.5	242.0	206.5	182.0	166.8
60°	141.6	153.0	173.3	209.8	254.8	277.9	253.6	214.3	184.3	164.8	151.1
62.5°	128.4	138.4	157.2	190.4	229.5	248.8	224.2	190.9	165.5	148.1	136.5
65°	108.5	117.6	134.2	160.0	192.1	205.0	183.8	156.9	137.1	124.2	116.5
67.5°	90.4	98.1	112.4	132.7	156.4	165.7	149.6	128.7	113.8	103.5	97.4
70°	78.3	84.9	96.2	113.7	135.1	142.3	127.1	110.0	99.1	90.8	85.1
72.5°	68.0	73.0	83.2	96.7	114.5	120.3	109.7	94.7	84.5	78.3	73.7
75°	51.9	55.9	62.6	73.4	85.8	89.1	81.2	71.8	65.0	60.5	57.0
77.5°	37.4	40.4	45.2	51.9	60.4	63.5	58.5	52.1	47.1	44.2	42.2
80°	28.2	30.7	34.7	40.2	45.4	47.1	44.1	39.3	35.8	34.1	32.5
82.5°	20.8	22.2	24.6	28.4	31.9	33.9	31.4	28.5	26.6	25.1	24.5
85°	10.5	11.2	12.4	13.9	16.1	16.8	15.8	15.1	14.0	13.1	13.1
87.5°	4.1	4.4	5.0	5.5	6.3	7.0	7.1	7.1	7.2	7.1	7.1
90°	1.4	2.5	3.5	4.4	5.6	6.9	8.2	9.5	10.9	11.2	11.6
92.5°	11.6	12.3	13.0	13.7	14.4	15.1	15.8	16.6	17.3	17.7	18.0
95°	27.3	28.0	28.8	29.5	30.3	31.1	31.8	32.6	33.4	33.8	34.2
97.5°	47.8	48.4	49.0	49.4	50.0	50.5	51.2	51.7	52.4	52.8	53.2
100°	62.0	62.7	63.3	63.8	64.4	64.9	65.4	65.9	66.4	66.7	67.0
102.5°	78.1	78.4	78.8	79.1	79.7	80.3	81.0	81.7	82.3	82.6	82.9
105°	101.9	102.0	102.3	102.5	103.0	103.9	104.8	105.8	106.6	106.6	106.6
107.5°	129.6	129.8	129.8	130.0	130.2	130.6	130.9	131.3	131.7	132.0	132.3
110°	147.0	147.3	147.4	147.7	147.8	148.1	148.3	148.5	148.7	149.1	149.5



TEST NUMBER: P331875-927

CATALOG NUMBER: S123DIP-S340D585U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	165.0	165.2	165.2	165.4	165.5	165.6	165.6	165.6	165.6	166.1	166.6
115°	192.3	192.7	193.0	193.2	193.3	193.1	192.9	192.7	192.5	192.6	192.7
117.5°	219.5	219.8	219.9	220.1	220.1	219.8	219.6	219.4	219.0	219.0	219.0
120°	236.9	237.5	238.1	238.8	238.8	238.3	237.8	237.3	236.8	236.7	236.5
122.5°	254.4	254.9	255.3	255.8	255.9	255.6	255.4	255.1	254.8	254.6	254.3
125°	281.4	281.6	281.9	282.3	282.3	282.1	281.9	281.7	281.5	281.1	280.7
127.5°	306.7	307.3	307.9	308.6	308.8	308.6	308.3	308.1	307.9	307.4	306.7
130°	323.4	324.2	325.0	325.8	326.1	325.8	325.5	325.2	324.9	324.5	324.1
132.5°	340.1	340.9	341.7	342.5	342.8	342.5	342.3	342.1	341.9	341.4	340.9
135°	365.3	365.8	366.5	367.0	367.3	367.2	367.1	367.0	366.9	366.5	366.1
137.5°	388.6	389.1	389.7	390.1	390.5	390.8	391.0	391.3	391.6	391.2	390.7
140°	404.9	405.4	405.9	406.4	406.7	406.8	406.9	407.0	407.1	407.0	406.9
142.5°	419.7	420.3	420.7	421.2	421.6	421.8	421.9	422.2	422.3	422.2	422.1
145°	442.6	442.8	443.0	443.1	443.4	443.7	444.0	444.3	444.7	444.5	444.4
147.5°	463.0	463.3	463.7	464.1	464.4	464.7	464.9	465.2	465.5	465.5	465.5
150°	476.9	477.1	477.3	477.5	477.7	477.9	478.1	478.3	478.5	478.5	478.5
152.5°	488.5	488.9	489.1	489.4	489.6	489.7	489.8	490.0	490.0	490.2	490.4
155°	506.5	506.5	506.5	506.5	506.6	506.7	506.8	506.9	507.0	507.4	507.8
157.5°	522.0	521.8	521.7	521.6	521.6	521.7	521.7	521.8	521.9	522.3	522.8
160°	531.6	531.4	531.2	531.0	530.9	530.9	530.9	530.9	530.9	531.4	532.0
162.5°	540.2	540.0	539.6	539.4	539.3	539.4	539.5	539.6	539.6	540.1	540.6
165°	551.4	551.1	550.8	550.5	550.3	550.3	550.3	550.3	550.3	551.0	551.6
167.5°	560.2	559.8	559.4	559.0	558.9	559.0	559.0	559.1	559.2	559.8	560.5
170°	565.3	564.9	564.5	564.1	563.9	563.9	563.9	563.9	563.9	564.6	565.3
172.5°	569.3	568.9	568.5	568.1	567.9	567.9	567.9	567.9	567.9	568.5	569.1
175°	573.5	573.1	572.7	572.3	572.0	572.0	572.0	572.0	572.0	572.7	573.2
177.5°	575.3	575.0	574.6	574.3	574.1	574.1	574.1	574.1	574.1	574.6	575.1
180°	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2	575.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	380.9	380.9	380.9	380.9	380.9	380.9	380.9
2.5°	400.8	401.0	402.6	403.8	403.2	403.9	404.3
5°	437.9	444.6	448.1	450.7	450.8	451.1	452.5
7.5°	490.5	497.6	502.9	510.8	513.1	515.8	515.1
10°	528.9	539.5	548.5	553.3	558.5	566.0	559.9
12.5°	564.8	583.4	597.2	604.7	609.5	611.0	608.1
15°	624.0	648.3	661.4	661.1	677.6	684.8	673.6
17.5°	678.2	700.7	718.7	727.9	741.8	744.8	743.5
20°	711.5	736.0	750.0	765.9	773.1	779.5	780.6
22.5°	740.1	762.2	777.2	790.4	796.4	799.5	801.3
25°	769.6	787.0	796.0	800.6	802.2	801.8	799.5
27.5°	767.5	768.9	758.9	749.2	740.4	730.6	727.1
30°	747.6	732.1	704.4	688.7	665.7	647.4	654.8
32.5°	695.2	664.3	633.3	599.0	570.6	562.5	554.4
35°	593.3	539.1	507.3	470.4	455.7	440.9	430.7
37.5°	480.0	438.1	400.4	376.3	361.5	352.1	347.1
40°	415.0	377.2	346.2	326.6	315.4	304.9	303.4
42.5°	363.2	328.0	304.8	289.1	278.4	273.9	270.6
45°	297.5	273.0	257.3	246.2	239.0	236.2	232.5
47.5°	251.8	234.5	222.7	215.2	209.7	207.6	207.4
50°	226.2	211.8	203.2	197.3	193.1	192.3	189.3
52.5°	207.1	194.6	187.8	182.7	179.6	177.5	176.7
55°	179.7	171.4	165.3	162.4	160.0	158.0	158.0
57.5°	157.2	150.4	146.3	143.8	143.1	141.6	140.7
60°	143.4	137.5	134.4	132.1	130.6	130.9	129.2
62.5°	129.8	126.0	122.9	120.8	119.0	119.1	119.1
65°	110.5	107.6	105.4	104.6	103.5	102.3	102.6
67.5°	93.7	90.9	89.2	87.9	87.5	86.8	87.9
70°	81.6	79.5	78.3	77.2	76.8	76.9	77.9
72.5°	70.5	69.1	68.2	67.7	66.9	66.9	67.6
75°	55.4	54.3	53.6	53.0	52.8	52.8	52.8
77.5°	40.6	40.4	40.1	39.3	39.3	39.5	39.5
80°	32.1	31.5	31.4	31.0	30.4	30.1	31.0
82.5°	24.0	23.4	23.3	23.2	22.3	22.3	23.1
85°	12.9	12.4	12.5	12.4	12.4	12.2	12.2
87.5°	7.0	6.9	6.8	7.1	6.9	6.8	7.1
90°	12.0	12.4	12.8	13.0	13.2	13.4	13.5
92.5°	18.3	18.6	18.8	18.6	18.5	18.4	18.2
95°	34.6	35.0	35.3	35.3	35.3	35.3	35.3
97.5°	53.7	54.2	54.3	54.3	54.3	54.3	54.2
100°	67.3	67.7	67.9	68.0	68.3	68.4	68.7
102.5°	83.3	83.5	83.7	83.7	83.6	83.6	83.5
105°	106.6	106.6	106.7	106.9	107.1	107.3	107.6
107.5°	132.6	132.9	133.1	132.9	132.8	132.7	132.6
110°	149.9	150.3	150.4	150.2	150.0	149.8	149.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	167.1	167.5	167.8	167.8	167.7	167.7	167.6
115°	192.8	192.9	192.9	192.8	192.7	192.6	192.5
117.5°	219.0	219.0	218.8	218.6	218.2	218.0	217.7
120°	236.5	236.4	236.2	236.0	235.8	235.6	235.4
122.5°	254.1	253.8	253.5	253.3	252.9	252.7	252.4
125°	280.3	279.9	279.5	279.1	278.7	278.3	277.9
127.5°	306.2	305.6	305.1	304.7	304.2	303.7	303.2
130°	323.7	323.3	322.7	322.0	321.3	320.6	319.9
132.5°	340.4	339.9	339.5	338.9	338.3	337.8	337.2
135°	365.7	365.3	365.0	364.8	364.6	364.4	364.2
137.5°	390.3	389.9	389.5	389.1	388.7	388.3	387.9
140°	406.8	406.7	406.3	405.6	404.9	404.2	403.5
142.5°	422.0	421.9	421.6	421.0	420.5	419.9	419.4
145°	444.3	444.3	443.9	443.5	443.1	442.8	442.4
147.5°	465.5	465.5	465.2	464.6	464.0	463.4	462.8
150°	478.5	478.5	478.2	477.6	477.0	476.4	475.8
152.5°	490.6	490.8	490.5	490.0	489.5	489.0	488.5
155°	508.2	508.6	508.4	507.7	507.0	506.4	505.6
157.5°	523.2	523.6	523.5	522.9	522.4	521.8	521.3
160°	532.4	532.9	533.0	532.6	532.2	531.8	531.4
162.5°	541.1	541.6	541.5	540.9	540.3	539.6	539.0
165°	552.2	552.8	552.7	552.0	551.3	550.6	549.9
167.5°	561.1	561.7	561.7	561.1	560.5	559.8	559.2
170°	566.0	566.7	566.7	566.0	565.3	564.6	563.9
172.5°	569.7	570.4	570.4	569.7	568.9	568.2	567.5
175°	573.9	574.5	574.4	573.7	573.0	572.3	571.6
177.5°	575.6	576.1	576.0	575.4	574.9	574.3	573.8
180°	575.2	575.2	575.2	575.2	575.2	575.2	575.2

(END OF REPORT)