

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: P331883-930

Luminaire Tested: **S123DIP-S340D805U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331883-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S340D805U930-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 805 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3801.9 lumens
Efficiency: N/A
Efficacy: 121.9 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: Semi-Indirect

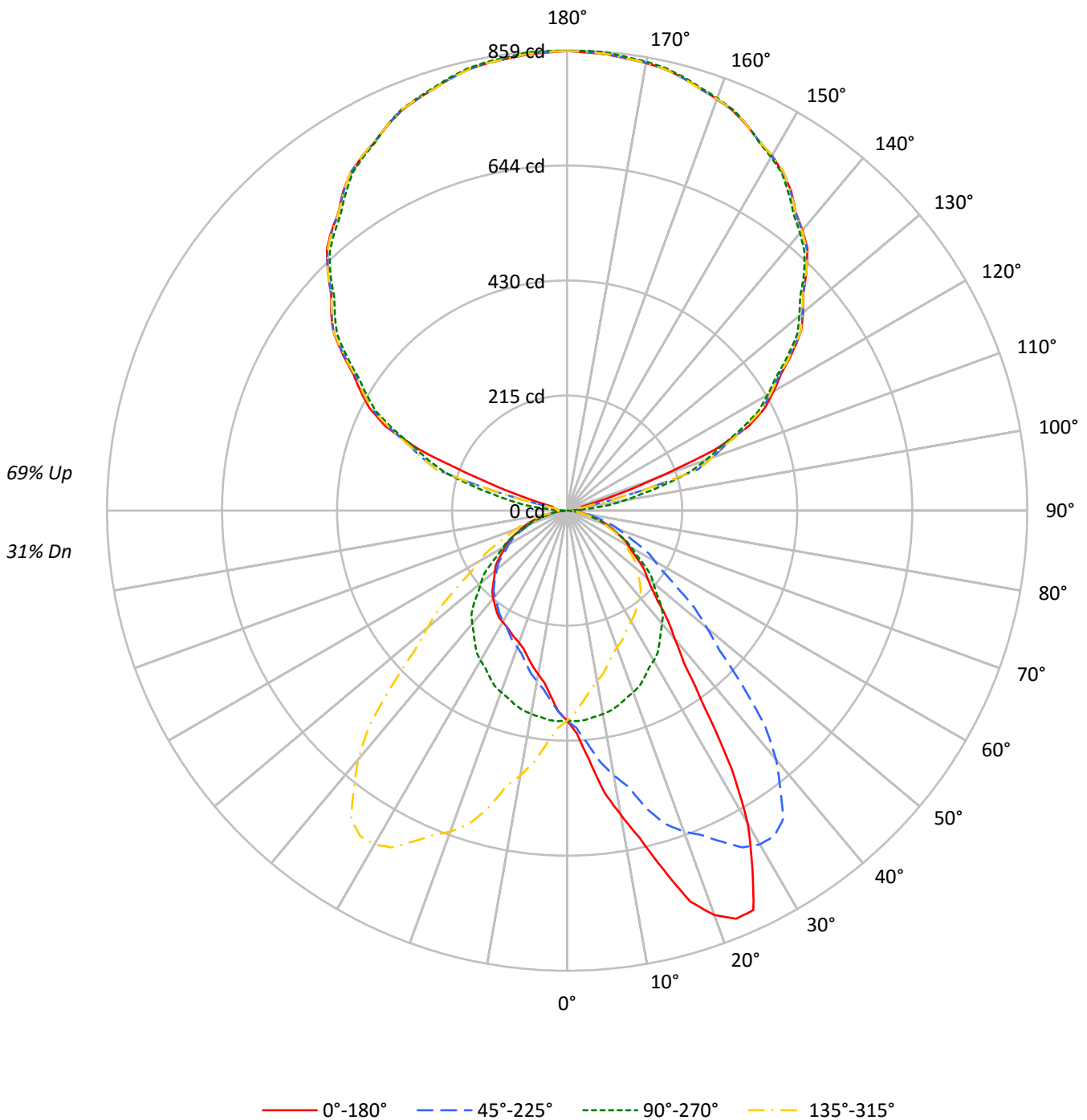
Input Watts (W): 31.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	90	86	83	84	81	78	75	64	62	60	49	47	46	35	34	33	27
2	85	78	73	68	77	71	66	62	56	53	50	43	41	39	31	29	28	23
3	78	69	62	56	70	62	56	52	50	45	42	38	35	33	27	25	24	19
4	71	61	53	48	64	55	49	44	44	39	36	34	31	28	24	22	21	17
5	65	54	46	41	59	49	42	37	39	35	31	30	27	24	22	20	18	14
6	60	49	41	35	54	44	37	32	35	31	27	27	24	21	20	18	16	13
7	56	44	36	31	50	40	33	28	32	27	24	25	21	19	18	16	14	11
8	51	40	32	27	46	36	29	25	29	24	21	23	19	17	17	14	13	10
9	48	36	29	24	43	33	26	22	27	22	19	21	17	15	15	13	11	9
10	45	33	26	21	40	30	24	20	24	20	17	19	16	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	1.0
10°-20°	123.8	3.3
20°-30°	207.8	5.5
30°-40°	235.3	6.2
40°-50°	211.0	5.6
50°-60°	170.3	4.5
60°-70°	118.7	3.1
70°-80°	62.4	1.6
80°-90°	17.7	0.5
90°-100°	31.2	0.8
100°-110°	148.7	3.9
110°-120°	357.1	9.4
120°-130°	454.7	12.0
130°-140°	485.8	12.8
140°-150°	454.3	11.9
150°-160°	366.5	9.6
160°-170°	236.5	6.2
170°-180°	81.5	2.1
0°-30°	370.3	9.7
0°-40°	605.6	15.9
0°-60°	986.9	26.0
0°-90°	1185.6	31.2
90°-120°	536.9	14.1
90°-150°	1931.8	50.8
90°-180°	2616.0	68.8
0°-180°	3801.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	392	392	392	392	392	
5°	466	392	348	392	466	48
15°	693	375	283	375	693	200
25°	823	342	250	342	823	361
35°	443	301	230	301	443	288
45°	239	247	195	247	239	189
55°	163	174	155	174	163	146
65°	106	107	109	107	106	105
75°	54	51	58	51	54	58
85°	13	10	11	10	13	15
90°	19	1	19	1	19	9
95°	24	39	24	39	24	20
105°	28	190	28	190	28	64
115°	375	356	375	356	375	346
125°	512	502	512	502	512	458
135°	632	625	632	625	632	487
145°	729	722	729	722	729	455
155°	794	795	794	795	794	366
165°	836	838	836	838	836	236
175°	855	858	855	858	855	81
180°	858	858	858	858	858	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0
2.5°	416.0	415.7	415.0	415.6	414.3	412.7	412.5	411.0	406.6	406.3	405.1
5°	465.7	464.2	464.0	463.8	461.1	457.5	450.7	450.1	441.0	436.5	431.0
7.5°	530.1	530.8	528.1	525.7	517.6	512.2	504.8	495.5	484.3	472.9	465.4
10°	576.3	582.5	574.8	569.4	564.5	555.2	544.4	530.8	517.4	501.7	489.7
12.5°	625.8	628.8	627.3	622.3	614.7	600.5	581.3	566.4	554.0	527.7	517.1
15°	693.2	704.8	697.4	680.4	680.7	667.2	642.2	614.7	600.0	577.0	545.7
17.5°	765.2	766.5	763.4	749.2	739.7	721.1	698.0	671.6	642.0	614.2	580.9
20°	803.4	802.3	795.7	788.2	771.9	757.5	732.2	702.8	664.8	637.4	601.1
22.5°	824.7	822.8	819.6	813.4	799.9	784.4	761.7	729.5	693.3	655.7	613.8
25°	822.8	825.2	825.7	823.9	819.2	809.9	792.1	766.4	730.3	681.8	638.2
27.5°	748.4	751.9	762.0	771.0	781.1	791.3	789.9	777.2	750.5	708.7	655.3
30°	673.9	666.3	685.1	708.8	725.0	753.5	769.4	770.4	755.4	719.5	667.4
32.5°	570.5	578.9	587.3	616.4	651.8	683.7	715.5	741.0	744.0	720.1	674.6
35°	443.3	453.8	469.0	484.1	522.1	554.8	610.7	659.3	698.0	703.1	675.2
37.5°	357.3	362.4	372.0	387.3	412.1	450.9	494.0	555.5	611.6	653.4	655.2
40°	312.3	313.8	324.6	336.1	356.3	388.2	427.1	481.5	548.7	607.1	631.4
42.5°	278.5	281.8	286.5	297.6	313.6	337.6	373.8	418.7	480.4	547.5	595.0
45°	239.3	243.1	246.0	253.4	264.8	281.0	306.1	347.2	394.1	463.4	527.4
47.5°	213.4	213.7	215.8	221.4	229.2	241.3	259.2	285.5	328.6	384.8	450.5
50°	194.9	197.9	198.7	203.0	209.1	218.0	232.8	255.3	290.6	340.0	400.4
52.5°	181.8	182.7	184.8	188.0	193.3	200.2	213.1	230.6	258.4	300.5	356.0
55°	162.6	162.6	164.7	167.1	170.2	176.4	185.0	197.9	219.0	251.7	297.7
57.5°	144.8	145.8	147.2	148.0	150.6	154.7	161.8	171.7	187.4	212.5	249.1
60°	133.0	134.7	134.4	136.0	138.3	141.5	147.6	155.6	169.6	189.7	220.5
62.5°	122.6	122.5	122.5	124.3	126.5	129.6	133.6	140.5	152.5	170.3	196.5
65°	105.6	105.3	106.6	107.7	108.4	110.7	113.7	119.8	127.8	141.1	161.4
67.5°	90.5	89.4	90.1	90.5	91.8	93.6	96.4	100.2	106.5	117.2	132.5
70°	80.1	79.2	79.0	79.4	80.6	81.9	84.0	87.6	93.4	102.0	113.2
72.5°	69.5	68.9	68.8	69.7	70.2	71.1	72.6	75.8	80.6	87.0	97.4
75°	54.3	54.3	54.3	54.5	55.1	55.8	57.0	58.7	62.3	66.9	73.9
77.5°	40.7	40.7	40.4	40.4	41.3	41.6	41.8	43.5	45.5	48.5	53.6
80°	31.9	31.0	31.3	31.9	32.3	32.4	33.0	33.4	35.1	36.9	40.4
82.5°	23.7	22.9	23.0	23.9	24.0	24.1	24.7	25.2	25.8	27.4	29.4
85°	12.6	12.6	12.7	12.7	12.9	12.7	13.3	13.5	13.5	14.4	15.6
87.5°	8.4	8.0	8.2	8.2	8.0	8.1	8.1	8.2	8.2	8.2	8.0
90°	19.2	18.8	18.6	18.3	18.0	17.5	17.0	16.5	15.9	15.3	13.5
92.5°	21.2	21.0	20.8	20.6	20.5	20.0	19.0	18.1	17.2	16.3	14.9
95°	24.2	24.2	24.2	24.2	24.2	23.7	22.7	21.8	20.8	19.7	18.2
97.5°	26.3	26.1	26.0	25.8	25.7	25.0	23.9	22.8	21.7	20.5	30.7
100°	26.7	26.7	26.5	26.3	26.2	25.6	24.5	23.3	22.2	21.0	43.1
102.5°	27.3	27.0	26.7	26.5	26.3	27.9	31.4	34.9	38.4	41.9	66.0
105°	28.0	27.8	27.5	27.2	26.9	39.3	64.4	89.4	114.5	139.6	152.3
107.5°	88.1	107.0	125.9	144.8	163.6	182.3	200.7	219.1	237.5	255.8	253.8
110°	175.3	195.5	215.8	236.0	256.3	268.8	273.5	278.1	282.8	287.5	285.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	300.8	305.0	309.2	313.6	317.8	319.9	319.8	319.8	319.7	319.6	318.0
115°	374.8	374.2	373.7	373.1	372.5	371.5	370.1	368.7	367.3	365.9	364.6
117.5°	416.4	416.2	416.1	416.0	415.9	415.2	414.2	413.0	411.9	410.7	410.1
120°	444.9	444.9	444.9	444.9	444.9	444.3	443.2	442.1	440.9	439.8	439.4
122.5°	473.0	472.9	472.7	472.6	472.5	472.1	471.2	470.4	469.7	468.9	468.3
125°	512.5	512.2	511.9	511.6	511.4	511.0	510.8	510.5	510.2	509.9	509.3
127.5°	550.5	550.7	551.1	551.3	551.5	551.5	551.1	550.6	550.2	549.7	549.0
130°	574.9	575.2	575.5	575.8	576.1	575.9	575.4	574.8	574.2	573.6	573.1
132.5°	597.4	597.8	598.2	598.6	598.9	598.8	598.3	597.7	597.2	596.6	596.1
135°	631.7	632.1	632.5	632.9	633.3	633.3	632.9	632.5	632.1	631.7	631.1
137.5°	663.9	664.2	664.5	664.8	665.0	664.9	664.1	663.5	662.8	662.1	661.8
140°	683.3	683.5	683.9	684.1	684.4	684.3	683.7	683.1	682.6	682.0	681.6
142.5°	701.2	701.6	701.9	702.3	702.7	702.7	702.2	701.8	701.3	700.9	700.4
145°	728.6	728.6	728.6	728.6	728.6	728.4	728.1	727.8	727.6	727.2	727.0
147.5°	748.9	749.6	750.2	750.9	751.5	751.7	751.5	751.1	750.9	750.6	750.3
150°	764.3	764.7	765.1	765.5	766.0	766.0	765.7	765.4	765.2	764.9	764.6
152.5°	776.5	777.1	777.8	778.4	779.1	779.2	778.6	778.1	777.6	777.1	777.0
155°	793.5	794.4	795.2	796.1	797.0	797.0	796.3	795.7	794.9	794.2	794.0
157.5°	808.0	809.1	810.2	811.3	812.4	812.5	811.6	810.8	810.0	809.1	809.3
160°	817.2	818.2	819.1	820.1	821.1	821.2	820.4	819.5	818.6	817.7	817.9
162.5°	825.8	826.7	827.5	828.4	829.3	829.2	828.3	827.4	826.4	825.4	825.6
165°	836.3	837.2	838.2	839.3	840.2	840.2	839.0	837.9	836.7	835.6	835.8
167.5°	843.8	844.9	846.0	847.2	848.3	848.3	847.2	846.0	844.9	843.8	843.8
170°	848.4	849.5	850.6	851.7	852.9	852.9	851.7	850.6	849.5	848.4	848.4
172.5°	850.9	852.2	853.5	854.7	855.9	856.0	854.8	853.7	852.6	851.4	851.3
175°	854.8	855.9	857.0	858.2	859.2	859.3	858.3	857.4	856.4	855.4	855.2
177.5°	855.9	857.0	858.2	859.3	860.5	860.5	859.7	858.8	857.9	856.9	856.8
180°	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0
2.5°	404.1	403.0	401.8	399.7	397.8	395.3	394.4	393.5	390.8	388.4	386.5
5°	428.8	424.3	417.7	411.6	406.7	400.0	396.2	392.2	386.5	381.4	377.2
7.5°	454.7	445.7	435.4	424.3	413.8	403.8	395.7	388.5	380.5	373.0	367.0
10°	475.2	462.3	447.8	432.3	419.0	406.1	395.3	385.8	375.5	366.6	359.1
12.5°	498.6	479.5	459.6	440.7	424.9	407.0	393.9	381.8	370.1	359.5	351.1
15°	526.3	502.0	478.4	452.4	428.5	406.1	390.5	375.3	361.8	350.8	340.1
17.5°	551.5	524.0	492.9	461.3	432.4	405.9	384.1	366.9	350.0	336.6	326.0
20°	565.8	534.5	499.4	466.5	434.6	405.0	381.0	360.5	342.3	328.0	316.1
22.5°	578.1	541.4	505.1	469.9	434.4	402.5	375.4	354.2	334.5	320.6	307.9
25°	590.9	547.0	510.5	469.4	429.7	396.6	366.2	342.3	322.5	306.1	293.1
27.5°	601.9	546.7	503.4	459.0	422.1	389.0	356.5	330.8	309.9	292.1	278.8
30°	609.1	547.4	495.9	452.1	414.8	380.7	349.1	323.3	301.3	283.2	270.7
32.5°	613.7	546.9	489.1	442.3	403.2	373.0	341.0	314.3	291.6	273.9	261.9
35°	616.4	543.6	477.3	422.2	384.7	355.1	328.4	300.7	277.0	260.4	246.7
37.5°	611.0	536.5	463.7	402.8	361.7	332.7	310.1	286.6	263.8	245.6	233.8
40°	602.7	532.0	453.0	389.1	345.8	318.0	298.8	275.6	253.2	235.9	224.9
42.5°	586.7	522.8	441.3	374.0	329.5	301.6	283.9	264.5	243.3	227.1	216.1
45°	547.8	502.6	423.7	351.2	305.2	276.4	260.8	246.7	227.6	211.8	202.3
47.5°	493.7	472.2	398.4	327.2	279.9	252.2	235.9	224.7	210.7	197.9	188.8
50°	456.2	447.3	381.2	310.7	263.1	235.9	220.3	210.1	200.0	187.3	179.0
52.5°	412.9	418.4	361.2	293.8	245.9	219.2	204.6	196.4	187.3	176.8	169.5
55°	352.0	371.9	326.5	265.1	220.3	194.9	181.0	173.8	168.4	160.7	154.4
57.5°	294.9	320.2	289.0	235.7	195.2	173.3	160.0	152.1	148.7	144.6	139.7
60°	261.0	286.0	262.3	216.0	178.4	157.4	145.7	139.0	135.6	132.7	128.6
62.5°	230.7	256.1	236.2	195.9	161.8	142.4	132.2	125.6	123.0	121.6	118.0
65°	189.1	211.0	197.7	164.7	138.1	121.0	111.7	107.1	104.7	104.1	101.8
67.5°	153.9	170.6	160.9	136.6	115.7	100.9	93.0	89.1	87.2	87.0	85.3
70°	130.9	146.4	139.0	117.0	99.0	87.4	80.6	77.1	76.0	75.8	74.8
72.5°	112.9	123.8	117.9	99.5	85.6	75.1	70.0	66.4	65.2	65.5	64.8
75°	83.6	91.7	88.3	75.6	64.4	57.6	53.4	51.1	50.0	50.5	49.7
77.5°	60.2	65.3	62.2	53.4	46.5	41.6	38.5	37.1	36.0	36.0	35.7
80°	45.4	48.4	46.7	41.4	35.7	31.6	29.0	28.1	27.6	27.3	27.1
82.5°	32.4	34.9	32.9	29.3	25.4	22.8	21.4	20.2	19.8	19.9	19.7
85°	16.3	17.3	16.6	14.3	12.7	11.6	10.8	10.3	9.9	10.0	9.7
87.5°	7.9	7.7	6.9	6.0	5.4	4.6	4.3	3.8	3.8	4.1	4.2
90°	11.6	9.8	7.9	6.3	4.9	3.5	2.0	0.7	2.0	3.5	4.9
92.5°	13.5	12.1	10.8	10.3	10.7	11.1	11.5	11.8	11.5	11.1	10.7
95°	16.6	15.1	13.5	15.7	21.4	27.2	33.1	38.9	33.1	27.2	21.4
97.5°	40.9	51.1	61.3	67.8	70.4	73.0	75.6	78.1	75.6	73.0	70.4
100°	65.2	87.3	109.4	119.0	116.2	113.4	110.6	107.7	110.6	113.4	116.2
102.5°	90.2	114.4	138.5	149.5	147.5	145.4	143.4	141.4	143.4	145.4	147.5
105°	165.1	177.8	190.6	196.2	194.6	193.1	191.5	190.0	191.5	193.1	194.6
107.5°	251.8	249.8	247.8	246.1	244.9	243.7	242.5	241.2	242.5	243.7	244.9
110°	284.4	282.8	281.2	279.9	278.8	277.6	276.5	275.3	276.5	277.6	278.8



TEST NUMBER: P331883-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	316.5	315.0	313.3	312.1	311.0	310.1	309.0	308.0	309.0	310.1	311.0
115°	363.3	362.1	360.8	359.7	358.9	358.0	357.2	356.3	357.2	358.0	358.9
117.5°	409.4	408.8	408.1	407.2	406.3	405.2	404.1	403.1	404.1	405.2	406.3
120°	439.0	438.5	438.1	437.2	435.9	434.7	433.4	432.2	433.4	434.7	435.9
122.5°	467.8	467.2	466.7	465.9	464.9	463.8	462.8	461.7	462.8	463.8	464.9
125°	508.7	508.3	507.7	506.8	505.6	504.5	503.4	502.3	503.4	504.5	505.6
127.5°	548.4	547.6	547.0	546.1	544.9	543.8	542.7	541.5	542.7	543.8	544.9
130°	572.5	571.9	571.4	570.5	569.4	568.3	567.1	566.0	567.1	568.3	569.4
132.5°	595.7	595.3	594.8	594.0	592.9	591.7	590.6	589.5	590.6	591.7	592.9
135°	630.6	630.0	629.4	628.7	627.9	627.0	626.1	625.3	626.1	627.0	627.9
137.5°	661.5	661.2	660.9	660.1	659.1	658.0	657.0	655.9	657.0	658.0	659.1
140°	681.2	680.8	680.3	679.7	678.8	678.0	677.1	676.3	677.1	678.0	678.8
142.5°	700.0	699.6	699.2	698.5	697.7	696.8	696.0	695.1	696.0	696.8	697.7
145°	726.7	726.4	726.1	725.5	724.5	723.5	722.5	721.5	722.5	723.5	724.5
147.5°	750.0	749.7	749.5	749.0	748.4	747.7	747.1	746.4	747.1	747.7	748.4
150°	764.3	764.0	763.8	763.4	763.0	762.5	762.1	761.7	762.1	762.5	763.0
152.5°	776.7	776.6	776.4	776.2	776.1	775.8	775.7	775.4	775.7	775.8	776.1
155°	793.9	793.8	793.6	793.7	794.0	794.3	794.6	794.8	794.6	794.3	794.0
157.5°	809.4	809.5	809.7	809.8	809.8	809.8	809.8	809.8	809.8	809.8	809.8
160°	818.1	818.2	818.3	818.5	818.6	818.8	818.9	819.0	818.9	818.8	818.6
162.5°	825.7	825.8	826.0	826.2	826.6	827.0	827.4	827.7	827.4	827.0	826.6
165°	835.9	836.1	836.2	836.5	836.9	837.3	837.7	838.2	837.7	837.3	836.9
167.5°	843.8	843.8	843.8	844.1	844.7	845.2	845.8	846.4	845.8	845.2	844.7
170°	848.4	848.4	848.4	848.6	849.2	849.8	850.4	850.9	850.4	849.8	849.2
172.5°	851.2	851.1	851.0	851.3	851.9	852.6	853.3	853.9	853.3	852.6	851.9
175°	855.1	854.9	854.8	855.1	855.8	856.6	857.2	857.9	857.2	856.6	855.8
177.5°	856.7	856.6	856.5	856.7	857.3	857.9	858.4	858.9	858.4	857.9	857.3
180°	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9



TEST NUMBER: P331883-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0
2.5°	385.5	384.4	382.9	380.7	378.8	375.9	375.9	376.3	376.3	376.3	375.9
5°	373.8	371.0	367.5	363.5	359.4	355.1	354.4	352.9	351.8	351.0	350.1
7.5°	361.4	356.4	351.4	345.8	340.7	336.6	333.6	331.2	329.6	327.9	326.7
10°	353.1	346.8	341.0	335.1	328.6	323.4	320.2	318.0	316.3	314.7	314.0
12.5°	343.2	336.1	329.5	323.9	316.9	311.6	308.5	307.4	305.5	302.2	300.6
15°	328.8	322.1	314.4	305.8	302.4	296.0	292.3	290.6	289.4	287.0	286.3
17.5°	316.4	307.8	299.0	292.6	286.3	281.0	279.0	276.9	275.4	273.4	272.7
20°	306.6	298.8	290.8	284.0	277.3	271.6	269.9	268.4	266.8	266.0	265.1
22.5°	296.5	288.8	282.1	275.7	268.6	264.9	263.1	261.4	260.3	259.7	258.9
25°	282.4	275.6	268.2	262.5	256.8	254.3	253.2	252.3	251.4	250.5	250.3
27.5°	269.9	262.4	256.4	251.0	247.0	244.9	243.8	243.4	243.5	243.9	244.1
30°	260.4	253.6	248.7	244.1	240.3	238.4	238.1	238.1	239.0	239.1	239.5
32.5°	251.8	246.1	241.2	236.8	233.9	232.6	233.3	233.3	233.9	234.4	235.1
35°	239.1	234.2	230.4	226.6	224.1	224.7	225.1	225.4	226.4	227.6	228.3
37.5°	227.1	222.8	218.8	215.9	214.7	215.7	216.7	217.4	218.6	219.5	220.2
40°	218.4	215.2	211.4	208.7	209.1	209.7	210.4	211.4	212.4	213.0	213.7
42.5°	210.3	207.0	204.1	201.9	202.4	203.2	203.6	204.1	205.2	206.3	206.7
45°	198.1	195.4	192.8	191.4	191.8	192.2	192.6	193.1	194.1	194.9	195.1
47.5°	184.3	182.5	180.7	179.4	180.0	179.9	180.3	181.6	181.8	182.3	183.4
50°	175.5	173.8	171.7	171.3	171.3	171.3	171.5	173.0	173.0	173.8	174.6
52.5°	165.8	164.7	163.4	162.7	162.3	162.3	163.1	163.9	164.2	165.3	166.1
55°	151.4	150.3	149.1	148.5	148.1	148.5	150.0	150.4	151.4	152.0	152.5
57.5°	136.4	135.5	134.6	134.3	134.2	134.7	135.5	136.6	136.9	138.7	139.5
60°	126.5	125.1	124.4	124.4	124.0	125.7	125.4	127.3	127.7	128.8	130.1
62.5°	116.3	114.5	114.2	114.2	114.8	115.3	115.8	116.6	117.6	119.0	120.1
65°	99.9	99.0	100.3	100.1	99.7	100.9	100.9	101.8	103.0	104.3	106.4
67.5°	84.4	83.9	84.0	84.0	84.5	85.2	85.8	86.6	88.0	89.4	90.7
70°	73.9	74.4	73.5	74.3	74.8	75.0	75.4	76.6	78.0	79.0	80.6
72.5°	63.7	63.7	63.8	64.1	64.7	65.0	65.4	66.7	68.3	69.1	70.4
75°	49.0	48.8	49.4	49.4	50.3	50.7	51.1	51.7	53.2	54.3	55.3
77.5°	35.8	36.0	35.9	36.5	36.3	36.4	37.5	38.1	38.2	40.5	41.0
80°	27.0	27.3	27.6	27.7	27.9	27.6	28.9	29.4	29.4	30.7	31.7
82.5°	19.4	19.6	20.1	20.3	20.3	20.7	20.8	21.2	21.7	22.3	23.5
85°	9.7	10.3	10.4	10.3	10.4	10.0	10.6	10.8	11.0	11.0	11.0
87.5°	4.3	4.8	5.0	5.5	5.7	6.3	6.4	6.2	6.3	6.8	6.4
90°	6.3	7.9	9.8	11.6	13.5	15.3	15.9	16.5	17.0	17.5	18.0
92.5°	10.3	10.8	12.1	13.5	14.9	16.3	17.2	18.1	19.0	20.0	20.5
95°	15.7	13.5	15.1	16.6	18.2	19.7	20.8	21.8	22.7	23.7	24.2
97.5°	67.8	61.3	51.1	40.9	30.7	20.5	21.7	22.8	23.9	25.0	25.7
100°	119.0	109.4	87.3	65.2	43.1	21.0	22.2	23.3	24.5	25.6	26.2
102.5°	149.5	138.5	114.4	90.2	66.0	41.9	38.4	34.9	31.4	27.9	26.3
105°	196.2	190.6	177.8	165.1	152.3	139.6	114.5	89.4	64.4	39.3	26.9
107.5°	246.1	247.8	249.8	251.8	253.8	255.8	237.5	219.1	200.7	182.3	163.6
110°	279.9	281.2	282.8	284.4	285.9	287.5	282.8	278.1	273.5	268.8	256.3



TEST NUMBER: P331883-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	312.1	313.3	315.0	316.5	318.0	319.6	319.7	319.8	319.8	319.9	317.8
115°	359.7	360.8	362.1	363.3	364.6	365.9	367.3	368.7	370.1	371.5	372.5
117.5°	407.2	408.1	408.8	409.4	410.1	410.7	411.9	413.0	414.2	415.2	415.9
120°	437.2	438.1	438.5	439.0	439.4	439.8	440.9	442.1	443.2	444.3	444.9
122.5°	465.9	466.7	467.2	467.8	468.3	468.9	469.7	470.4	471.2	472.1	472.5
125°	506.8	507.7	508.3	508.7	509.3	509.9	510.2	510.5	510.8	511.0	511.4
127.5°	546.1	547.0	547.6	548.4	549.0	549.7	550.2	550.6	551.1	551.5	551.5
130°	570.5	571.4	571.9	572.5	573.1	573.6	574.2	574.8	575.4	575.9	576.1
132.5°	594.0	594.8	595.3	595.7	596.1	596.6	597.2	597.7	598.3	598.8	598.9
135°	628.7	629.4	630.0	630.6	631.1	631.7	632.1	632.5	632.9	633.3	633.3
137.5°	660.1	660.9	661.2	661.5	661.8	662.1	662.8	663.5	664.1	664.9	665.0
140°	679.7	680.3	680.8	681.2	681.6	682.0	682.6	683.1	683.7	684.3	684.4
142.5°	698.5	699.2	699.6	700.0	700.4	700.9	701.3	701.8	702.2	702.7	702.7
145°	725.5	726.1	726.4	726.7	727.0	727.2	727.6	727.8	728.1	728.4	728.6
147.5°	749.0	749.5	749.7	750.0	750.3	750.6	750.9	751.1	751.5	751.7	751.5
150°	763.4	763.8	764.0	764.3	764.6	764.9	765.2	765.4	765.7	766.0	766.0
152.5°	776.2	776.4	776.6	776.7	777.0	777.1	777.6	778.1	778.6	779.2	779.1
155°	793.7	793.6	793.8	793.9	794.0	794.2	794.9	795.7	796.3	797.0	797.0
157.5°	809.8	809.7	809.5	809.4	809.3	809.1	810.0	810.8	811.6	812.5	812.4
160°	818.5	818.3	818.2	818.1	817.9	817.7	818.6	819.5	820.4	821.2	821.1
162.5°	826.2	826.0	825.8	825.7	825.6	825.4	826.4	827.4	828.3	829.2	829.3
165°	836.5	836.2	836.1	835.9	835.8	835.6	836.7	837.9	839.0	840.2	840.2
167.5°	844.1	843.8	843.8	843.8	843.8	843.8	844.9	846.0	847.2	848.3	848.3
170°	848.6	848.4	848.4	848.4	848.4	848.4	849.5	850.6	851.7	852.9	852.9
172.5°	851.3	851.0	851.1	851.2	851.3	851.4	852.6	853.7	854.8	856.0	855.9
175°	855.1	854.8	854.9	855.1	855.2	855.4	856.4	857.4	858.3	859.3	859.2
177.5°	856.7	856.5	856.6	856.7	856.8	856.9	857.9	858.8	859.7	860.5	860.5
180°	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9



TEST NUMBER: P331883-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0
2.5°	374.9	374.7	375.8	375.0	375.8	374.7	374.9	375.9	376.3	376.3	376.3
5°	348.9	349.5	347.6	347.6	347.6	349.5	348.9	350.1	351.0	351.8	352.9
7.5°	325.8	325.0	325.1	324.0	325.1	325.0	325.8	326.7	327.9	329.6	331.2
10°	311.7	310.5	310.1	310.4	310.1	310.5	311.7	314.0	314.7	316.3	318.0
12.5°	299.9	299.8	297.3	297.3	297.3	299.8	299.9	300.6	302.2	305.5	307.4
15°	286.3	282.7	282.3	283.4	282.3	282.7	286.3	286.3	287.0	289.4	290.6
17.5°	272.5	270.5	270.7	270.1	270.7	270.5	272.5	272.7	273.4	275.4	276.9
20°	265.1	264.0	263.8	262.5	263.8	264.0	265.1	265.1	266.0	266.8	268.4
22.5°	258.4	258.1	258.2	256.7	258.2	258.1	258.4	258.9	259.7	260.3	261.4
25°	250.1	251.1	250.3	250.3	250.3	251.1	250.1	250.3	250.5	251.4	252.3
27.5°	244.5	244.5	244.1	244.1	244.1	244.5	244.5	244.1	243.9	243.5	243.4
30°	240.3	240.1	240.4	240.4	240.4	240.1	240.3	239.5	239.1	239.0	238.1
32.5°	236.0	236.3	236.4	236.5	236.4	236.3	236.0	235.1	234.4	233.9	233.3
35°	229.4	229.7	230.2	229.8	230.2	229.7	229.4	228.3	227.6	226.4	225.4
37.5°	220.5	221.4	221.3	221.5	221.3	221.4	220.5	220.2	219.5	218.6	217.4
40°	213.9	214.4	214.3	214.3	214.3	214.4	213.9	213.7	213.0	212.4	211.4
42.5°	207.0	207.4	206.9	206.7	206.9	207.4	207.0	206.7	206.3	205.2	204.1
45°	195.8	195.4	196.0	195.3	196.0	195.4	195.8	195.1	194.9	194.1	193.1
47.5°	183.3	183.7	183.8	184.4	183.8	183.7	183.3	183.4	182.3	181.8	181.6
50°	175.0	176.1	176.1	175.9	176.1	176.1	175.0	174.6	173.8	173.0	173.0
52.5°	166.7	167.2	168.0	168.0	168.0	167.2	166.7	166.1	165.3	164.2	163.9
55°	154.0	154.4	154.8	155.0	154.8	154.4	154.0	152.5	152.0	151.4	150.4
57.5°	140.9	140.7	141.6	141.9	141.6	140.7	140.9	139.5	138.7	136.9	136.6
60°	131.6	131.6	133.1	133.7	133.1	131.6	131.6	130.1	128.8	127.7	127.3
62.5°	121.7	122.4	123.8	123.1	123.8	122.4	121.7	120.1	119.0	117.6	116.6
65°	107.3	108.8	108.7	109.4	108.7	108.8	107.3	106.4	104.3	103.0	101.8
67.5°	92.2	93.2	94.6	94.7	94.6	93.2	92.2	90.7	89.4	88.0	86.6
70°	82.0	83.0	83.7	84.3	83.7	83.0	82.0	80.6	79.0	78.0	76.6
72.5°	72.2	72.6	74.5	73.7	74.5	72.6	72.2	70.4	69.1	68.3	66.7
75°	56.6	58.0	59.1	58.5	59.1	58.0	56.6	55.3	54.3	53.2	51.7
77.5°	41.8	43.2	43.7	43.2	43.7	43.2	41.8	41.0	40.5	38.2	38.1
80°	33.0	32.9	34.0	33.8	34.0	32.9	33.0	31.7	30.7	29.4	29.4
82.5°	24.2	24.1	24.5	24.7	24.5	24.1	24.2	23.5	22.3	21.7	21.2
85°	11.7	12.3	11.6	11.4	11.6	12.3	11.7	11.0	11.0	11.0	10.8
87.5°	6.4	6.4	6.4	6.3	6.4	6.4	6.4	6.4	6.8	6.3	6.2
90°	18.3	18.6	18.8	19.2	18.8	18.6	18.3	18.0	17.5	17.0	16.5
92.5°	20.6	20.8	21.0	21.2	21.0	20.8	20.6	20.5	20.0	19.0	18.1
95°	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	23.7	22.7	21.8
97.5°	25.8	26.0	26.1	26.3	26.1	26.0	25.8	25.7	25.0	23.9	22.8
100°	26.3	26.5	26.7	26.7	26.7	26.5	26.3	26.2	25.6	24.5	23.3
102.5°	26.5	26.7	27.0	27.3	27.0	26.7	26.5	26.3	27.9	31.4	34.9
105°	27.2	27.5	27.8	28.0	27.8	27.5	27.2	26.9	39.3	64.4	89.4
107.5°	144.8	125.9	107.0	88.1	107.0	125.9	144.8	163.6	182.3	200.7	219.1
110°	236.0	215.8	195.5	175.3	195.5	215.8	236.0	256.3	268.8	273.5	278.1



TEST NUMBER: P331883-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	313.6	309.2	305.0	300.8	305.0	309.2	313.6	317.8	319.9	319.8	319.8
115°	373.1	373.7	374.2	374.8	374.2	373.7	373.1	372.5	371.5	370.1	368.7
117.5°	416.0	416.1	416.2	416.4	416.2	416.1	416.0	415.9	415.2	414.2	413.0
120°	444.9	444.9	444.9	444.9	444.9	444.9	444.9	444.9	444.3	443.2	442.1
122.5°	472.6	472.7	472.9	473.0	472.9	472.7	472.6	472.5	472.1	471.2	470.4
125°	511.6	511.9	512.2	512.5	512.2	511.9	511.6	511.4	511.0	510.8	510.5
127.5°	551.3	551.1	550.7	550.5	550.7	551.1	551.3	551.5	551.5	551.1	550.6
130°	575.8	575.5	575.2	574.9	575.2	575.5	575.8	576.1	575.9	575.4	574.8
132.5°	598.6	598.2	597.8	597.4	597.8	598.2	598.6	598.9	598.8	598.3	597.7
135°	632.9	632.5	632.1	631.7	632.1	632.5	632.9	633.3	633.3	632.9	632.5
137.5°	664.8	664.5	664.2	663.9	664.2	664.5	664.8	665.0	664.9	664.1	663.5
140°	684.1	683.9	683.5	683.3	683.5	683.9	684.1	684.4	684.3	683.7	683.1
142.5°	702.3	701.9	701.6	701.2	701.6	701.9	702.3	702.7	702.7	702.2	701.8
145°	728.6	728.6	728.6	728.6	728.6	728.6	728.6	728.6	728.4	728.1	727.8
147.5°	750.9	750.2	749.6	748.9	749.6	750.2	750.9	751.5	751.7	751.5	751.1
150°	765.5	765.1	764.7	764.3	764.7	765.1	765.5	766.0	766.0	765.7	765.4
152.5°	778.4	777.8	777.1	776.5	777.1	777.8	778.4	779.1	779.2	778.6	778.1
155°	796.1	795.2	794.4	793.5	794.4	795.2	796.1	797.0	797.0	796.3	795.7
157.5°	811.3	810.2	809.1	808.0	809.1	810.2	811.3	812.4	812.5	811.6	810.8
160°	820.1	819.1	818.2	817.2	818.2	819.1	820.1	821.1	821.2	820.4	819.5
162.5°	828.4	827.5	826.7	825.8	826.7	827.5	828.4	829.3	829.2	828.3	827.4
165°	839.3	838.2	837.2	836.3	837.2	838.2	839.3	840.2	840.2	839.0	837.9
167.5°	847.2	846.0	844.9	843.8	844.9	846.0	847.2	848.3	848.3	847.2	846.0
170°	851.7	850.6	849.5	848.4	849.5	850.6	851.7	852.9	852.9	851.7	850.6
172.5°	854.7	853.5	852.2	850.9	852.2	853.5	854.7	855.9	856.0	854.8	853.7
175°	858.2	857.0	855.9	854.8	855.9	857.0	858.2	859.2	859.3	858.3	857.4
177.5°	859.3	858.2	857.0	855.9	857.0	858.2	859.3	860.5	860.5	859.7	858.8
180°	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9



TEST NUMBER: P331883-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0
2.5°	375.9	375.9	378.8	380.7	382.9	384.4	385.5	386.5	388.4	390.8	393.5
5°	354.4	355.1	359.4	363.5	367.5	371.0	373.8	377.2	381.4	386.5	392.2
7.5°	333.6	336.6	340.7	345.8	351.4	356.4	361.4	367.0	373.0	380.5	388.5
10°	320.2	323.4	328.6	335.1	341.0	346.8	353.1	359.1	366.6	375.5	385.8
12.5°	308.5	311.6	316.9	323.9	329.5	336.1	343.2	351.1	359.5	370.1	381.8
15°	292.3	296.0	302.4	305.8	314.4	322.1	328.8	340.1	350.8	361.8	375.3
17.5°	279.0	281.0	286.3	292.6	299.0	307.8	316.4	326.0	336.6	350.0	366.9
20°	269.9	271.6	277.3	284.0	290.8	298.8	306.6	316.1	328.0	342.3	360.5
22.5°	263.1	264.9	268.6	275.7	282.1	288.8	296.5	307.9	320.6	334.5	354.2
25°	253.2	254.3	256.8	262.5	268.2	275.6	282.4	293.1	306.1	322.5	342.3
27.5°	243.8	244.9	247.0	251.0	256.4	262.4	269.9	278.8	292.1	309.9	330.8
30°	238.1	238.4	240.3	244.1	248.7	253.6	260.4	270.7	283.2	301.3	323.3
32.5°	233.3	232.6	233.9	236.8	241.2	246.1	251.8	261.9	273.9	291.6	314.3
35°	225.1	224.7	224.1	226.6	230.4	234.2	239.1	246.7	260.4	277.0	300.7
37.5°	216.7	215.7	214.7	215.9	218.8	222.8	227.1	233.8	245.6	263.8	286.6
40°	210.4	209.7	209.1	208.7	211.4	215.2	218.4	224.9	235.9	253.2	275.6
42.5°	203.6	203.2	202.4	201.9	204.1	207.0	210.3	216.1	227.1	243.3	264.5
45°	192.6	192.2	191.8	191.4	192.8	195.4	198.1	202.3	211.8	227.6	246.7
47.5°	180.3	179.9	180.0	179.4	180.7	182.5	184.3	188.8	197.9	210.7	224.7
50°	171.5	171.3	171.3	171.3	171.7	173.8	175.5	179.0	187.3	200.0	210.1
52.5°	163.1	162.3	162.3	162.7	163.4	164.7	165.8	169.5	176.8	187.3	196.4
55°	150.0	148.5	148.1	148.5	149.1	150.3	151.4	154.4	160.7	168.4	173.8
57.5°	135.5	134.7	134.2	134.3	134.6	135.5	136.4	139.7	144.6	148.7	152.1
60°	125.4	125.7	124.0	124.4	124.4	125.1	126.5	128.6	132.7	135.6	139.0
62.5°	115.8	115.3	114.8	114.2	114.2	114.5	116.3	118.0	121.6	123.0	125.6
65°	100.9	100.9	99.7	100.1	100.3	99.0	99.9	101.8	104.1	104.7	107.1
67.5°	85.8	85.2	84.5	84.0	84.0	83.9	84.4	85.3	87.0	87.2	89.1
70°	75.4	75.0	74.8	74.3	73.5	74.4	73.9	74.8	75.8	76.0	77.1
72.5°	65.4	65.0	64.7	64.1	63.8	63.7	63.7	64.8	65.5	65.2	66.4
75°	51.1	50.7	50.3	49.4	49.4	48.8	49.0	49.7	50.5	50.0	51.1
77.5°	37.5	36.4	36.3	36.5	35.9	36.0	35.8	35.7	36.0	36.0	37.1
80°	28.9	27.6	27.9	27.7	27.6	27.3	27.0	27.1	27.3	27.6	28.1
82.5°	20.8	20.7	20.3	20.3	20.1	19.6	19.4	19.7	19.9	19.8	20.2
85°	10.6	10.0	10.4	10.3	10.4	10.3	9.7	9.7	10.0	9.9	10.3
87.5°	6.4	6.3	5.7	5.5	5.0	4.8	4.3	4.2	4.1	3.8	3.8
90°	15.9	15.3	13.5	11.6	9.8	7.9	6.3	4.9	3.5	2.0	0.7
92.5°	17.2	16.3	14.9	13.5	12.1	10.8	10.3	10.7	11.1	11.5	11.8
95°	20.8	19.7	18.2	16.6	15.1	13.5	15.7	21.4	27.2	33.1	38.9
97.5°	21.7	20.5	30.7	40.9	51.1	61.3	67.8	70.4	73.0	75.6	78.1
100°	22.2	21.0	43.1	65.2	87.3	109.4	119.0	116.2	113.4	110.6	107.7
102.5°	38.4	41.9	66.0	90.2	114.4	138.5	149.5	147.5	145.4	143.4	141.4
105°	114.5	139.6	152.3	165.1	177.8	190.6	196.2	194.6	193.1	191.5	190.0
107.5°	237.5	255.8	253.8	251.8	249.8	247.8	246.1	244.9	243.7	242.5	241.2
110°	282.8	287.5	285.9	284.4	282.8	281.2	279.9	278.8	277.6	276.5	275.3



TEST NUMBER: P331883-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	319.7	319.6	318.0	316.5	315.0	313.3	312.1	311.0	310.1	309.0	308.0
115°	367.3	365.9	364.6	363.3	362.1	360.8	359.7	358.9	358.0	357.2	356.3
117.5°	411.9	410.7	410.1	409.4	408.8	408.1	407.2	406.3	405.2	404.1	403.1
120°	440.9	439.8	439.4	439.0	438.5	438.1	437.2	435.9	434.7	433.4	432.2
122.5°	469.7	468.9	468.3	467.8	467.2	466.7	465.9	464.9	463.8	462.8	461.7
125°	510.2	509.9	509.3	508.7	508.3	507.7	506.8	505.6	504.5	503.4	502.3
127.5°	550.2	549.7	549.0	548.4	547.6	547.0	546.1	544.9	543.8	542.7	541.5
130°	574.2	573.6	573.1	572.5	571.9	571.4	570.5	569.4	568.3	567.1	566.0
132.5°	597.2	596.6	596.1	595.7	595.3	594.8	594.0	592.9	591.7	590.6	589.5
135°	632.1	631.7	631.1	630.6	630.0	629.4	628.7	627.9	627.0	626.1	625.3
137.5°	662.8	662.1	661.8	661.5	661.2	660.9	660.1	659.1	658.0	657.0	655.9
140°	682.6	682.0	681.6	681.2	680.8	680.3	679.7	678.8	678.0	677.1	676.3
142.5°	701.3	700.9	700.4	700.0	699.6	699.2	698.5	697.7	696.8	696.0	695.1
145°	727.6	727.2	727.0	726.7	726.4	726.1	725.5	724.5	723.5	722.5	721.5
147.5°	750.9	750.6	750.3	750.0	749.7	749.5	749.0	748.4	747.7	747.1	746.4
150°	765.2	764.9	764.6	764.3	764.0	763.8	763.4	763.0	762.5	762.1	761.7
152.5°	777.6	777.1	777.0	776.7	776.6	776.4	776.2	776.1	775.8	775.7	775.4
155°	794.9	794.2	794.0	793.9	793.8	793.6	793.7	794.0	794.3	794.6	794.8
157.5°	810.0	809.1	809.3	809.4	809.5	809.7	809.8	809.8	809.8	809.8	809.8
160°	818.6	817.7	817.9	818.1	818.2	818.3	818.5	818.6	818.8	818.9	819.0
162.5°	826.4	825.4	825.6	825.7	825.8	826.0	826.2	826.6	827.0	827.4	827.7
165°	836.7	835.6	835.8	835.9	836.1	836.2	836.5	836.9	837.3	837.7	838.2
167.5°	844.9	843.8	843.8	843.8	843.8	843.8	844.1	844.7	845.2	845.8	846.4
170°	849.5	848.4	848.4	848.4	848.4	848.4	848.6	849.2	849.8	850.4	850.9
172.5°	852.6	851.4	851.3	851.2	851.1	851.0	851.3	851.9	852.6	853.3	853.9
175°	856.4	855.4	855.2	855.1	854.9	854.8	855.1	855.8	856.6	857.2	857.9
177.5°	857.9	856.9	856.8	856.7	856.6	856.5	856.7	857.3	857.9	858.4	858.9
180°	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9



TEST NUMBER: P331883-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0	392.0
2.5°	394.4	395.3	397.8	399.7	401.8	403.0	404.1	405.1	406.3	406.6	411.0
5°	396.2	400.0	406.7	411.6	417.7	424.3	428.8	431.0	436.5	441.0	450.1
7.5°	395.7	403.8	413.8	424.3	435.4	445.7	454.7	465.4	472.9	484.3	495.5
10°	395.3	406.1	419.0	432.3	447.8	462.3	475.2	489.7	501.7	517.4	530.8
12.5°	393.9	407.0	424.9	440.7	459.6	479.5	498.6	517.1	527.7	554.0	566.4
15°	390.5	406.1	428.5	452.4	478.4	502.0	526.3	545.7	577.0	600.0	614.7
17.5°	384.1	405.9	432.4	461.3	492.9	524.0	551.5	580.9	614.2	642.0	671.6
20°	381.0	405.0	434.6	466.5	499.4	534.5	565.8	601.1	637.4	664.8	702.8
22.5°	375.4	402.5	434.4	469.9	505.1	541.4	578.1	613.8	655.7	693.3	729.5
25°	366.2	396.6	429.7	469.4	510.5	547.0	590.9	638.2	681.8	730.3	766.4
27.5°	356.5	389.0	422.1	459.0	503.4	546.7	601.9	655.3	708.7	750.5	777.2
30°	349.1	380.7	414.8	452.1	495.9	547.4	609.1	667.4	719.5	755.4	770.4
32.5°	341.0	373.0	403.2	442.3	489.1	546.9	613.7	674.6	720.1	744.0	741.0
35°	328.4	355.1	384.7	422.2	477.3	543.6	616.4	675.2	703.1	698.0	659.3
37.5°	310.1	332.7	361.7	402.8	463.7	536.5	611.0	655.2	653.4	611.6	555.5
40°	298.8	318.0	345.8	389.1	453.0	532.0	602.7	631.4	607.1	548.7	481.5
42.5°	283.9	301.6	329.5	374.0	441.3	522.8	586.7	595.0	547.5	480.4	418.7
45°	260.8	276.4	305.2	351.2	423.7	502.6	547.8	527.4	463.4	394.1	347.2
47.5°	235.9	252.2	279.9	327.2	398.4	472.2	493.7	450.5	384.8	328.6	285.5
50°	220.3	235.9	263.1	310.7	381.2	447.3	456.2	400.4	340.0	290.6	255.3
52.5°	204.6	219.2	245.9	293.8	361.2	418.4	412.9	356.0	300.5	258.4	230.6
55°	181.0	194.9	220.3	265.1	326.5	371.9	352.0	297.7	251.7	219.0	197.9
57.5°	160.0	173.3	195.2	235.7	289.0	320.2	294.9	249.1	212.5	187.4	171.7
60°	145.7	157.4	178.4	216.0	262.3	286.0	261.0	220.5	189.7	169.6	155.6
62.5°	132.2	142.4	161.8	195.9	236.2	256.1	230.7	196.5	170.3	152.5	140.5
65°	111.7	121.0	138.1	164.7	197.7	211.0	189.1	161.4	141.1	127.8	119.8
67.5°	93.0	100.9	115.7	136.6	160.9	170.6	153.9	132.5	117.2	106.5	100.2
70°	80.6	87.4	99.0	117.0	139.0	146.4	130.9	113.2	102.0	93.4	87.6
72.5°	70.0	75.1	85.6	99.5	117.9	123.8	112.9	97.4	87.0	80.6	75.8
75°	53.4	57.6	64.4	75.6	88.3	91.7	83.6	73.9	66.9	62.3	58.7
77.5°	38.5	41.6	46.5	53.4	62.2	65.3	60.2	53.6	48.5	45.5	43.5
80°	29.0	31.6	35.7	41.4	46.7	48.4	45.4	40.4	36.9	35.1	33.4
82.5°	21.4	22.8	25.4	29.3	32.9	34.9	32.4	29.4	27.4	25.8	25.2
85°	10.8	11.6	12.7	14.3	16.6	17.3	16.3	15.6	14.4	13.5	13.5
87.5°	4.3	4.6	5.4	6.0	6.9	7.7	7.9	8.0	8.2	8.2	8.2
90°	2.0	3.5	4.9	6.3	7.9	9.8	11.6	13.5	15.3	15.9	16.5
92.5°	11.5	11.1	10.7	10.3	10.8	12.1	13.5	14.9	16.3	17.2	18.1
95°	33.1	27.2	21.4	15.7	13.5	15.1	16.6	18.2	19.7	20.8	21.8
97.5°	75.6	73.0	70.4	67.8	61.3	51.1	40.9	30.7	20.5	21.7	22.8
100°	110.6	113.4	116.2	119.0	109.4	87.3	65.2	43.1	21.0	22.2	23.3
102.5°	143.4	145.4	147.5	149.5	138.5	114.4	90.2	66.0	41.9	38.4	34.9
105°	191.5	193.1	194.6	196.2	190.6	177.8	165.1	152.3	139.6	114.5	89.4
107.5°	242.5	243.7	244.9	246.1	247.8	249.8	251.8	253.8	255.8	237.5	219.1
110°	276.5	277.6	278.8	279.9	281.2	282.8	284.4	285.9	287.5	282.8	278.1



TEST NUMBER: P331883-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	309.0	310.1	311.0	312.1	313.3	315.0	316.5	318.0	319.6	319.7	319.8
115°	357.2	358.0	358.9	359.7	360.8	362.1	363.3	364.6	365.9	367.3	368.7
117.5°	404.1	405.2	406.3	407.2	408.1	408.8	409.4	410.1	410.7	411.9	413.0
120°	433.4	434.7	435.9	437.2	438.1	438.5	439.0	439.4	439.8	440.9	442.1
122.5°	462.8	463.8	464.9	465.9	466.7	467.2	467.8	468.3	468.9	469.7	470.4
125°	503.4	504.5	505.6	506.8	507.7	508.3	508.7	509.3	509.9	510.2	510.5
127.5°	542.7	543.8	544.9	546.1	547.0	547.6	548.4	549.0	549.7	550.2	550.6
130°	567.1	568.3	569.4	570.5	571.4	571.9	572.5	573.1	573.6	574.2	574.8
132.5°	590.6	591.7	592.9	594.0	594.8	595.3	595.7	596.1	596.6	597.2	597.7
135°	626.1	627.0	627.9	628.7	629.4	630.0	630.6	631.1	631.7	632.1	632.5
137.5°	657.0	658.0	659.1	660.1	660.9	661.2	661.5	661.8	662.1	662.8	663.5
140°	677.1	678.0	678.8	679.7	680.3	680.8	681.2	681.6	682.0	682.6	683.1
142.5°	696.0	696.8	697.7	698.5	699.2	699.6	700.0	700.4	700.9	701.3	701.8
145°	722.5	723.5	724.5	725.5	726.1	726.4	726.7	727.0	727.2	727.6	727.8
147.5°	747.1	747.7	748.4	749.0	749.5	749.7	750.0	750.3	750.6	750.9	751.1
150°	762.1	762.5	763.0	763.4	763.8	764.0	764.3	764.6	764.9	765.2	765.4
152.5°	775.7	775.8	776.1	776.2	776.4	776.6	776.7	777.0	777.1	777.6	778.1
155°	794.6	794.3	794.0	793.7	793.6	793.8	793.9	794.0	794.2	794.9	795.7
157.5°	809.8	809.8	809.8	809.8	809.7	809.5	809.4	809.3	809.1	810.0	810.8
160°	818.9	818.8	818.6	818.5	818.3	818.2	818.1	817.9	817.7	818.6	819.5
162.5°	827.4	827.0	826.6	826.2	826.0	825.8	825.7	825.6	825.4	826.4	827.4
165°	837.7	837.3	836.9	836.5	836.2	836.1	835.9	835.8	835.6	836.7	837.9
167.5°	845.8	845.2	844.7	844.1	843.8	843.8	843.8	843.8	843.8	844.9	846.0
170°	850.4	849.8	849.2	848.6	848.4	848.4	848.4	848.4	848.4	849.5	850.6
172.5°	853.3	852.6	851.9	851.3	851.0	851.1	851.2	851.3	851.4	852.6	853.7
175°	857.2	856.6	855.8	855.1	854.8	854.9	855.1	855.2	855.4	856.4	857.4
177.5°	858.4	857.9	857.3	856.7	856.5	856.6	856.7	856.8	856.9	857.9	858.8
180°	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9	857.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	392.0	392.0	392.0	392.0	392.0	392.0	392.0
2.5°	412.5	412.7	414.3	415.6	415.0	415.7	416.0
5°	450.7	457.5	461.1	463.8	464.0	464.2	465.7
7.5°	504.8	512.2	517.6	525.7	528.1	530.8	530.1
10°	544.4	555.2	564.5	569.4	574.8	582.5	576.3
12.5°	581.3	600.5	614.7	622.3	627.3	628.8	625.8
15°	642.2	667.2	680.7	680.4	697.4	704.8	693.2
17.5°	698.0	721.1	739.7	749.2	763.4	766.5	765.2
20°	732.2	757.5	771.9	788.2	795.7	802.3	803.4
22.5°	761.7	784.4	799.9	813.4	819.6	822.8	824.7
25°	792.1	809.9	819.2	823.9	825.7	825.2	822.8
27.5°	789.9	791.3	781.1	771.0	762.0	751.9	748.4
30°	769.4	753.5	725.0	708.8	685.1	666.3	673.9
32.5°	715.5	683.7	651.8	616.4	587.3	578.9	570.5
35°	610.7	554.8	522.1	484.1	469.0	453.8	443.3
37.5°	494.0	450.9	412.1	387.3	372.0	362.4	357.3
40°	427.1	388.2	356.3	336.1	324.6	313.8	312.3
42.5°	373.8	337.6	313.6	297.6	286.5	281.8	278.5
45°	306.1	281.0	264.8	253.4	246.0	243.1	239.3
47.5°	259.2	241.3	229.2	221.4	215.8	213.7	213.4
50°	232.8	218.0	209.1	203.0	198.7	197.9	194.9
52.5°	213.1	200.2	193.3	188.0	184.8	182.7	181.8
55°	185.0	176.4	170.2	167.1	164.7	162.6	162.6
57.5°	161.8	154.7	150.6	148.0	147.2	145.8	144.8
60°	147.6	141.5	138.3	136.0	134.4	134.7	133.0
62.5°	133.6	129.6	126.5	124.3	122.5	122.5	122.6
65°	113.7	110.7	108.4	107.7	106.6	105.3	105.6
67.5°	96.4	93.6	91.8	90.5	90.1	89.4	90.5
70°	84.0	81.9	80.6	79.4	79.0	79.2	80.1
72.5°	72.6	71.1	70.2	69.7	68.8	68.9	69.5
75°	57.0	55.8	55.1	54.5	54.3	54.3	54.3
77.5°	41.8	41.6	41.3	40.4	40.4	40.7	40.7
80°	33.0	32.4	32.3	31.9	31.3	31.0	31.9
82.5°	24.7	24.1	24.0	23.9	23.0	22.9	23.7
85°	13.3	12.7	12.9	12.7	12.7	12.6	12.6
87.5°	8.1	8.1	8.0	8.2	8.2	8.0	8.4
90°	17.0	17.5	18.0	18.3	18.6	18.8	19.2
92.5°	19.0	20.0	20.5	20.6	20.8	21.0	21.2
95°	22.7	23.7	24.2	24.2	24.2	24.2	24.2
97.5°	23.9	25.0	25.7	25.8	26.0	26.1	26.3
100°	24.5	25.6	26.2	26.3	26.5	26.7	26.7
102.5°	31.4	27.9	26.3	26.5	26.7	27.0	27.3
105°	64.4	39.3	26.9	27.2	27.5	27.8	28.0
107.5°	200.7	182.3	163.6	144.8	125.9	107.0	88.1
110°	273.5	268.8	256.3	236.0	215.8	195.5	175.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	319.8	319.9	317.8	313.6	309.2	305.0	300.8
115°	370.1	371.5	372.5	373.1	373.7	374.2	374.8
117.5°	414.2	415.2	415.9	416.0	416.1	416.2	416.4
120°	443.2	444.3	444.9	444.9	444.9	444.9	444.9
122.5°	471.2	472.1	472.5	472.6	472.7	472.9	473.0
125°	510.8	511.0	511.4	511.6	511.9	512.2	512.5
127.5°	551.1	551.5	551.5	551.3	551.1	550.7	550.5
130°	575.4	575.9	576.1	575.8	575.5	575.2	574.9
132.5°	598.3	598.8	598.9	598.6	598.2	597.8	597.4
135°	632.9	633.3	633.3	632.9	632.5	632.1	631.7
137.5°	664.1	664.9	665.0	664.8	664.5	664.2	663.9
140°	683.7	684.3	684.4	684.1	683.9	683.5	683.3
142.5°	702.2	702.7	702.7	702.3	701.9	701.6	701.2
145°	728.1	728.4	728.6	728.6	728.6	728.6	728.6
147.5°	751.5	751.7	751.5	750.9	750.2	749.6	748.9
150°	765.7	766.0	766.0	765.5	765.1	764.7	764.3
152.5°	778.6	779.2	779.1	778.4	777.8	777.1	776.5
155°	796.3	797.0	797.0	796.1	795.2	794.4	793.5
157.5°	811.6	812.5	812.4	811.3	810.2	809.1	808.0
160°	820.4	821.2	821.1	820.1	819.1	818.2	817.2
162.5°	828.3	829.2	829.3	828.4	827.5	826.7	825.8
165°	839.0	840.2	840.2	839.3	838.2	837.2	836.3
167.5°	847.2	848.3	848.3	847.2	846.0	844.9	843.8
170°	851.7	852.9	852.9	851.7	850.6	849.5	848.4
172.5°	854.8	856.0	855.9	854.7	853.5	852.2	850.9
175°	858.3	859.3	859.2	858.2	857.0	855.9	854.8
177.5°	859.7	860.5	860.5	859.3	858.2	857.0	855.9
180°	857.9	857.9	857.9	857.9	857.9	857.9	857.9

(END OF REPORT)