

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: P331892-927

Luminaire Tested: **S123DIP-S340D1025U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331892-927  
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-S340D1025U927-4F0-1E-UDD-A  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1025 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4398.3 lumens  
Efficiency: N/A  
Efficacy: 117.9 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

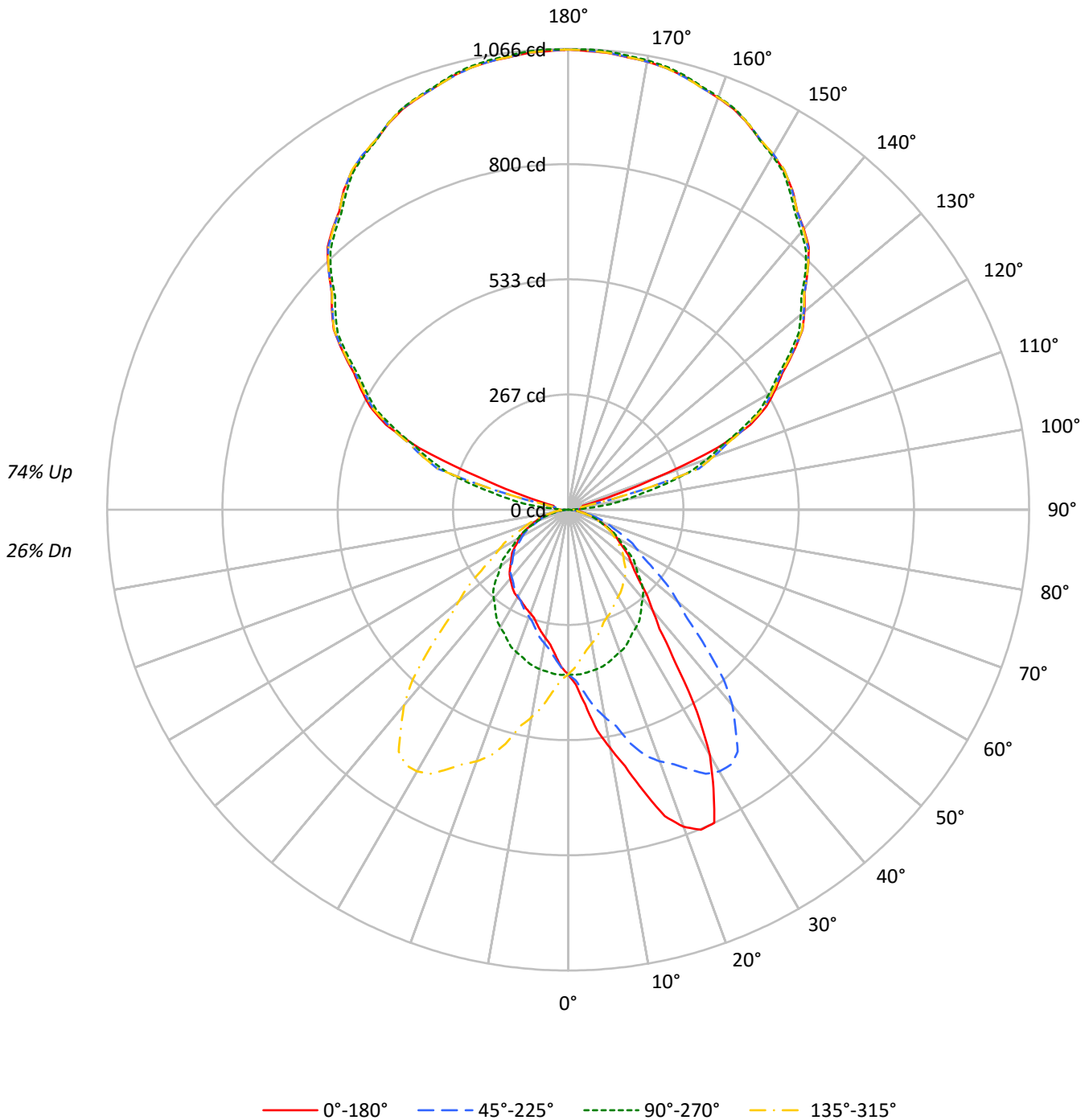
Input Watts (W): 37.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P331892-927

CATALOG NUMBER: S123DIP-S340D1025U927-4F0-1E-UDD-A

### Luminous Intensity Polar Plot





TEST NUMBER: P331892-927

CATALOG NUMBER: S123DIP-S340D1025U927-4F0-1E-UDD-A

**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	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34	26
1	93	88	85	81	82	79	76	73	61	59	58	45	44	43	30	30	29	22
2	84	77	72	67	75	69	64	60	54	51	48	40	38	36	27	26	25	19
3	77	68	61	56	68	61	55	50	48	44	40	35	33	31	24	22	21	16
4	70	60	53	47	63	54	48	43	42	38	34	32	29	26	21	20	18	14
5	65	53	46	40	57	48	41	36	38	33	29	28	25	23	19	17	16	12
6	59	48	40	35	53	43	36	32	34	29	26	25	22	20	18	16	14	11
7	55	43	35	30	49	39	32	28	31	26	22	23	20	17	16	14	12	10
8	51	39	32	26	45	35	29	24	28	23	20	21	18	15	15	13	11	9
9	47	35	28	23	42	32	26	21	25	21	18	19	16	14	13	11	10	8
10	44	32	25	21	39	29	23	19	23	19	16	18	15	12	12	10	9	7

**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



TEST NUMBER: P331892-927

CATALOG NUMBER: S123DIP-S340D1025U927-4F0-1E-UDD-A

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.5	0.9
10°-20°	120.3	2.7
20°-30°	201.9	4.6
30°-40°	228.6	5.2
40°-50°	205.0	4.7
50°-60°	165.5	3.8
60°-70°	115.3	2.6
70°-80°	60.6	1.4
80°-90°	17.8	0.4
90°-100°	38.7	0.9
100°-110°	184.4	4.2
110°-120°	443.0	10.1
120°-130°	564.1	12.8
130°-140°	602.7	13.7
140°-150°	563.6	12.8
150°-160°	454.6	10.3
160°-170°	293.4	6.7
170°-180°	101.1	2.3
0°-30°	359.8	8.2
0°-40°	588.4	13.4
0°-60°	958.9	21.8
0°-90°	1152.6	26.2
90°-120°	666.1	15.1
90°-150°	2396.5	54.5
90°-180°	3246.0	73.8
0°-180°	4398.3	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°	24	1	24	1	24	11
95°	30	48	30	48	30	25
105°	35	236	35	236	35	79
115°	465	442	465	442	465	430
125°	636	623	636	623	636	568
135°	784	776	784	776	784	604
145°	904	895	904	895	904	564
155°	984	986	984	986	984	454
165°	1037	1040	1037	1040	1037	293
175°	1060	1064	1060	1064	1060	101
180°	1064	1064	1064	1064	1064	



TEST NUMBER: P331892-927

CATALOG NUMBER: S123DIP-S340D1025U927-4F0-1E-UDD-A

**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°	9.2	8.8	8.9	9.0	8.7	8.8	8.8	8.8	8.8	8.8	8.5
90°	23.7	23.4	23.1	22.7	22.3	21.8	21.1	20.4	19.6	19.0	16.7
92.5°	26.2	26.1	25.8	25.6	25.4	24.7	23.6	22.5	21.4	20.3	18.5
95°	30.0	30.0	30.0	30.0	30.0	29.5	28.2	26.9	25.7	24.5	22.6
97.5°	32.6	32.4	32.2	32.1	31.8	31.1	29.7	28.3	26.9	25.4	38.1
100°	33.2	33.0	32.9	32.7	32.5	31.7	30.3	28.9	27.5	26.1	53.5
102.5°	33.8	33.5	33.2	32.9	32.6	34.6	39.0	43.3	47.7	52.0	82.0
105°	34.8	34.5	34.1	33.7	33.4	48.8	79.9	111.0	142.0	173.2	189.0
107.5°	109.2	132.7	156.1	179.6	203.0	226.2	249.0	271.8	294.6	317.4	314.9
110°	217.5	242.6	267.7	292.8	318.0	333.4	339.2	345.0	350.8	356.6	354.7



TEST NUMBER: P331892-927

CATALOG NUMBER: S123DIP-S340D1025U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	373.0	378.3	383.7	389.0	394.3	396.9	396.8	396.6	396.6	396.5	394.5
115°	464.9	464.2	463.5	462.8	462.2	460.9	459.1	457.4	455.7	453.8	452.3
117.5°	516.5	516.3	516.2	516.1	515.9	515.2	513.7	512.4	511.0	509.5	508.7
120°	551.9	551.9	551.9	551.9	551.9	551.2	549.8	548.4	547.0	545.6	545.1
122.5°	586.7	586.5	586.5	586.3	586.1	585.6	584.6	583.6	582.7	581.6	581.0
125°	635.7	635.4	635.0	634.7	634.3	634.0	633.6	633.3	633.0	632.6	631.8
127.5°	682.9	683.2	683.6	683.9	684.3	684.1	683.6	683.0	682.5	681.9	681.0
130°	713.2	713.6	713.9	714.3	714.6	714.5	713.8	713.0	712.3	711.6	710.9
132.5°	741.1	741.6	742.0	742.5	743.0	742.9	742.2	741.5	740.8	740.1	739.6
135°	783.6	784.1	784.7	785.2	785.7	785.7	785.2	784.7	784.1	783.6	782.9
137.5°	823.6	823.9	824.3	824.7	825.0	824.7	823.9	823.1	822.2	821.4	821.0
140°	847.6	848.0	848.3	848.7	849.1	848.9	848.2	847.5	846.8	846.1	845.6
142.5°	869.8	870.3	870.8	871.2	871.7	871.7	871.2	870.6	870.1	869.5	868.9
145°	903.8	903.8	903.8	903.8	903.8	903.6	903.2	902.9	902.5	902.2	901.8
147.5°	929.1	929.9	930.7	931.5	932.3	932.6	932.2	931.8	931.5	931.1	930.8
150°	948.1	948.6	949.1	949.7	950.1	950.3	949.9	949.6	949.2	948.9	948.5
152.5°	963.2	964.1	964.9	965.7	966.5	966.5	965.9	965.3	964.6	964.0	963.8
155°	984.4	985.5	986.6	987.6	988.6	988.7	987.9	987.0	986.1	985.2	985.1
157.5°	1002.3	1003.7	1005.0	1006.4	1007.8	1008.0	1006.9	1005.8	1004.8	1003.7	1003.9
160°	1013.7	1014.9	1016.1	1017.4	1018.6	1018.7	1017.6	1016.6	1015.6	1014.5	1014.6
162.5°	1024.5	1025.6	1026.6	1027.7	1028.8	1028.7	1027.5	1026.4	1025.2	1024.0	1024.1
165°	1037.4	1038.6	1039.9	1041.1	1042.4	1042.3	1040.8	1039.4	1038.0	1036.6	1036.8
167.5°	1046.7	1048.1	1049.6	1051.0	1052.3	1052.3	1051.0	1049.6	1048.1	1046.7	1046.7
170°	1052.4	1053.8	1055.3	1056.7	1058.0	1058.0	1056.7	1055.3	1053.8	1052.4	1052.4
172.5°	1055.6	1057.2	1058.7	1060.3	1061.8	1061.8	1060.4	1059.1	1057.6	1056.2	1056.1
175°	1060.3	1061.8	1063.2	1064.5	1066.0	1066.0	1064.9	1063.6	1062.4	1061.1	1061.0
177.5°	1061.8	1063.2	1064.6	1066.0	1067.4	1067.5	1066.4	1065.2	1064.1	1063.0	1062.9
180°	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3



TEST NUMBER: P331892-927

CATALOG NUMBER: S123DIP-S340D1025U927-4F0-1E-UDD-A

**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°	8.3	8.0	7.1	6.2	5.5	4.7	4.4	3.7	3.7	4.1	4.3
90°	14.4	12.1	9.8	7.8	6.1	4.3	2.5	0.8	2.5	4.3	6.1
92.5°	16.8	15.1	13.4	12.8	13.2	13.7	14.2	14.7	14.2	13.7	13.2
95°	20.7	18.7	16.8	19.4	26.6	33.8	41.0	48.2	41.0	33.8	26.6
97.5°	50.8	63.5	76.0	84.0	87.2	90.5	93.7	97.0	93.7	90.5	87.2
100°	80.9	108.3	135.7	147.7	144.2	140.7	137.1	133.6	137.1	140.7	144.2
102.5°	111.9	141.9	171.8	185.5	183.0	180.5	177.9	175.4	177.9	180.5	183.0
105°	204.8	220.6	236.4	243.4	241.5	239.5	237.6	235.6	237.6	239.5	241.5
107.5°	312.4	309.9	307.4	305.4	303.9	302.3	300.8	299.2	300.8	302.3	303.9
110°	352.8	350.8	348.9	347.2	345.8	344.4	343.0	341.6	343.0	344.4	345.8





TEST NUMBER: P331892-927

CATALOG NUMBER: S123DIP-S340D1025U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	392.6	390.7	388.7	387.1	385.9	384.6	383.3	382.1	383.3	384.6	385.9
115°	450.7	449.1	447.6	446.2	445.2	444.1	443.1	442.0	443.1	444.1	445.2
117.5°	507.9	507.1	506.3	505.3	504.0	502.6	501.4	500.0	501.4	502.6	504.0
120°	544.5	544.0	543.5	542.4	540.8	539.2	537.7	536.1	537.7	539.2	540.8
122.5°	580.4	579.6	579.0	578.0	576.7	575.4	574.1	572.8	574.1	575.4	576.7
125°	631.1	630.5	629.8	628.7	627.3	625.9	624.5	623.1	624.5	625.9	627.3
127.5°	680.2	679.4	678.5	677.4	676.0	674.6	673.2	671.8	673.2	674.6	676.0
130°	710.3	709.6	708.8	707.8	706.4	705.0	703.5	702.2	703.5	705.0	706.4
132.5°	738.9	738.4	737.8	736.9	735.5	734.0	732.7	731.3	732.7	734.0	735.5
135°	782.2	781.5	780.8	779.9	778.9	777.8	776.7	775.7	776.7	777.8	778.9
137.5°	820.6	820.2	819.8	819.0	817.7	816.3	815.0	813.7	815.0	816.3	817.7
140°	845.0	844.5	844.0	843.2	842.1	841.1	840.0	838.9	840.0	841.1	842.1
142.5°	868.4	867.9	867.4	866.6	865.5	864.4	863.4	862.4	863.4	864.4	865.5
145°	901.5	901.2	900.8	900.0	898.8	897.5	896.4	895.1	896.4	897.5	898.8
147.5°	930.4	930.1	929.7	929.2	928.4	927.6	926.8	925.9	926.8	927.6	928.4
150°	948.2	947.8	947.5	947.0	946.5	945.9	945.5	944.9	945.5	945.9	946.5
152.5°	963.6	963.4	963.2	963.0	962.7	962.5	962.3	961.9	962.3	962.5	962.7
155°	984.8	984.7	984.5	984.6	985.0	985.3	985.6	986.0	985.6	985.3	985.0
157.5°	1004.1	1004.2	1004.4	1004.6	1004.6	1004.6	1004.6	1004.6	1004.6	1004.6	1004.6
160°	1014.9	1015.0	1015.2	1015.3	1015.6	1015.7	1015.9	1016.1	1015.9	1015.7	1015.6
162.5°	1024.3	1024.5	1024.7	1025.0	1025.5	1025.9	1026.4	1026.8	1026.4	1025.9	1025.5
165°	1037.0	1037.1	1037.4	1037.7	1038.2	1038.7	1039.3	1039.8	1039.3	1038.7	1038.2
167.5°	1046.7	1046.7	1046.7	1047.1	1047.8	1048.5	1049.2	1049.9	1049.2	1048.5	1047.8
170°	1052.4	1052.4	1052.4	1052.8	1053.5	1054.2	1054.9	1055.6	1054.9	1054.2	1053.5
172.5°	1056.0	1055.8	1055.7	1056.1	1056.9	1057.7	1058.6	1059.4	1058.6	1057.7	1056.9
175°	1060.8	1060.6	1060.4	1060.8	1061.7	1062.6	1063.4	1064.3	1063.4	1062.6	1061.7
177.5°	1062.8	1062.6	1062.5	1062.8	1063.4	1064.1	1064.9	1065.6	1064.9	1064.1	1063.4
180°	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3



TEST NUMBER: P331892-927

CATALOG NUMBER: S123DIP-S340D1025U927-4F0-1E-UDD-A

**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°	4.5	5.1	5.4	6.0	6.3	6.9	7.1	6.9	7.1	7.6	7.1
90°	7.8	9.8	12.1	14.4	16.7	19.0	19.6	20.4	21.1	21.8	22.3
92.5°	12.8	13.4	15.1	16.8	18.5	20.3	21.4	22.5	23.6	24.7	25.4
95°	19.4	16.8	18.7	20.7	22.6	24.5	25.7	26.9	28.2	29.5	30.0
97.5°	84.0	76.0	63.5	50.8	38.1	25.4	26.9	28.3	29.7	31.1	31.8
100°	147.7	135.7	108.3	80.9	53.5	26.1	27.5	28.9	30.3	31.7	32.5
102.5°	185.5	171.8	141.9	111.9	82.0	52.0	47.7	43.3	39.0	34.6	32.6
105°	243.4	236.4	220.6	204.8	189.0	173.2	142.0	111.0	79.9	48.8	33.4
107.5°	305.4	307.4	309.9	312.4	314.9	317.4	294.6	271.8	249.0	226.2	203.0
110°	347.2	348.9	350.8	352.8	354.7	356.6	350.8	345.0	339.2	333.4	318.0



TEST NUMBER: P331892-927

CATALOG NUMBER: S123DIP-S340D1025U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	387.1	388.7	390.7	392.6	394.5	396.5	396.6	396.6	396.8	396.9	394.3
115°	446.2	447.6	449.1	450.7	452.3	453.8	455.7	457.4	459.1	460.9	462.2
117.5°	505.3	506.3	507.1	507.9	508.7	509.5	511.0	512.4	513.7	515.2	515.9
120°	542.4	543.5	544.0	544.5	545.1	545.6	547.0	548.4	549.8	551.2	551.9
122.5°	578.0	579.0	579.6	580.4	581.0	581.6	582.7	583.6	584.6	585.6	586.1
125°	628.7	629.8	630.5	631.1	631.8	632.6	633.0	633.3	633.6	634.0	634.3
127.5°	677.4	678.5	679.4	680.2	681.0	681.9	682.5	683.0	683.6	684.1	684.3
130°	707.8	708.8	709.6	710.3	710.9	711.6	712.3	713.0	713.8	714.5	714.6
132.5°	736.9	737.8	738.4	738.9	739.6	740.1	740.8	741.5	742.2	742.9	743.0
135°	779.9	780.8	781.5	782.2	782.9	783.6	784.1	784.7	785.2	785.7	785.7
137.5°	819.0	819.8	820.2	820.6	821.0	821.4	822.2	823.1	823.9	824.7	825.0
140°	843.2	844.0	844.5	845.0	845.6	846.1	846.8	847.5	848.2	848.9	849.1
142.5°	866.6	867.4	867.9	868.4	868.9	869.5	870.1	870.6	871.2	871.7	871.7
145°	900.0	900.8	901.2	901.5	901.8	902.2	902.5	902.9	903.2	903.6	903.8
147.5°	929.2	929.7	930.1	930.4	930.8	931.1	931.5	931.8	932.2	932.6	932.3
150°	947.0	947.5	947.8	948.2	948.5	948.9	949.2	949.6	949.9	950.3	950.1
152.5°	963.0	963.2	963.4	963.6	963.8	964.0	964.6	965.3	965.9	966.5	966.5
155°	984.6	984.5	984.7	984.8	985.1	985.2	986.1	987.0	987.9	988.7	988.6
157.5°	1004.6	1004.4	1004.2	1004.1	1003.9	1003.7	1004.8	1005.8	1006.9	1008.0	1007.8
160°	1015.3	1015.2	1015.0	1014.9	1014.6	1014.5	1015.6	1016.6	1017.6	1018.7	1018.6
162.5°	1025.0	1024.7	1024.5	1024.3	1024.1	1024.0	1025.2	1026.4	1027.5	1028.7	1028.8
165°	1037.7	1037.4	1037.1	1037.0	1036.8	1036.6	1038.0	1039.4	1040.8	1042.3	1042.4
167.5°	1047.1	1046.7	1046.7	1046.7	1046.7	1046.7	1048.1	1049.6	1051.0	1052.3	1052.3
170°	1052.8	1052.4	1052.4	1052.4	1052.4	1052.4	1053.8	1055.3	1056.7	1058.0	1058.0
172.5°	1056.1	1055.7	1055.8	1056.0	1056.1	1056.2	1057.6	1059.1	1060.4	1061.8	1061.8
175°	1060.8	1060.4	1060.6	1060.8	1061.0	1061.1	1062.4	1063.6	1064.9	1066.0	1066.0
177.5°	1062.8	1062.5	1062.6	1062.8	1062.9	1063.0	1064.1	1065.2	1066.4	1067.5	1067.4
180°	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3



TEST NUMBER: P331892-927

CATALOG NUMBER: S123DIP-S340D1025U927-4F0-1E-UDD-A

**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°	7.2	7.3	7.2	7.1	7.2	7.3	7.2	7.1	7.6	7.1	6.9
90°	22.7	23.1	23.4	23.7	23.4	23.1	22.7	22.3	21.8	21.1	20.4
92.5°	25.6	25.8	26.1	26.2	26.1	25.8	25.6	25.4	24.7	23.6	22.5
95°	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	29.5	28.2	26.9
97.5°	32.1	32.2	32.4	32.6	32.4	32.2	32.1	31.8	31.1	29.7	28.3
100°	32.7	32.9	33.0	33.2	33.0	32.9	32.7	32.5	31.7	30.3	28.9
102.5°	32.9	33.2	33.5	33.8	33.5	33.2	32.9	32.6	34.6	39.0	43.3
105°	33.7	34.1	34.5	34.8	34.5	34.1	33.7	33.4	48.8	79.9	111.0
107.5°	179.6	156.1	132.7	109.2	132.7	156.1	179.6	203.0	226.2	249.0	271.8
110°	292.8	267.7	242.6	217.5	242.6	267.7	292.8	318.0	333.4	339.2	345.0



TEST NUMBER: P331892-927

CATALOG NUMBER: S123DIP-S340D1025U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	389.0	383.7	378.3	373.0	378.3	383.7	389.0	394.3	396.9	396.8	396.6
115°	462.8	463.5	464.2	464.9	464.2	463.5	462.8	462.2	460.9	459.1	457.4
117.5°	516.1	516.2	516.3	516.5	516.3	516.2	516.1	515.9	515.2	513.7	512.4
120°	551.9	551.9	551.9	551.9	551.9	551.9	551.9	551.9	551.2	549.8	548.4
122.5°	586.3	586.5	586.5	586.7	586.5	586.5	586.3	586.1	585.6	584.6	583.6
125°	634.7	635.0	635.4	635.7	635.4	635.0	634.7	634.3	634.0	633.6	633.3
127.5°	683.9	683.6	683.2	682.9	683.2	683.6	683.9	684.3	684.1	683.6	683.0
130°	714.3	713.9	713.6	713.2	713.6	713.9	714.3	714.6	714.5	713.8	713.0
132.5°	742.5	742.0	741.6	741.1	741.6	742.0	742.5	743.0	742.9	742.2	741.5
135°	785.2	784.7	784.1	783.6	784.1	784.7	785.2	785.7	785.7	785.2	784.7
137.5°	824.7	824.3	823.9	823.6	823.9	824.3	824.7	825.0	824.7	823.9	823.1
140°	848.7	848.3	848.0	847.6	848.0	848.3	848.7	849.1	848.9	848.2	847.5
142.5°	871.2	870.8	870.3	869.8	870.3	870.8	871.2	871.7	871.7	871.2	870.6
145°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.6	903.2	902.9
147.5°	931.5	930.7	929.9	929.1	929.9	930.7	931.5	932.3	932.6	932.2	931.8
150°	949.7	949.1	948.6	948.1	948.6	949.1	949.7	950.1	950.3	949.9	949.6
152.5°	965.7	964.9	964.1	963.2	964.1	964.9	965.7	966.5	966.5	965.9	965.3
155°	987.6	986.6	985.5	984.4	985.5	986.6	987.6	988.6	988.7	987.9	987.0
157.5°	1006.4	1005.0	1003.7	1002.3	1003.7	1005.0	1006.4	1007.8	1008.0	1006.9	1005.8
160°	1017.4	1016.1	1014.9	1013.7	1014.9	1016.1	1017.4	1018.6	1018.7	1017.6	1016.6
162.5°	1027.7	1026.6	1025.6	1024.5	1025.6	1026.6	1027.7	1028.8	1028.7	1027.5	1026.4
165°	1041.1	1039.9	1038.6	1037.4	1038.6	1039.9	1041.1	1042.4	1042.3	1040.8	1039.4
167.5°	1051.0	1049.6	1048.1	1046.7	1048.1	1049.6	1051.0	1052.3	1052.3	1051.0	1049.6
170°	1056.7	1055.3	1053.8	1052.4	1053.8	1055.3	1056.7	1058.0	1058.0	1056.7	1055.3
172.5°	1060.3	1058.7	1057.2	1055.6	1057.2	1058.7	1060.3	1061.8	1061.8	1060.4	1059.1
175°	1064.5	1063.2	1061.8	1060.3	1061.8	1063.2	1064.5	1066.0	1066.0	1064.9	1063.6
177.5°	1066.0	1064.6	1063.2	1061.8	1063.2	1064.6	1066.0	1067.4	1067.5	1066.4	1065.2
180°	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3



TEST NUMBER: P331892-927

CATALOG NUMBER: S123DIP-S340D1025U927-4F0-1E-UDD-A

**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°	7.1	6.9	6.3	6.0	5.4	5.1	4.5	4.3	4.1	3.7	3.7
90°	19.6	19.0	16.7	14.4	12.1	9.8	7.8	6.1	4.3	2.5	0.8
92.5°	21.4	20.3	18.5	16.8	15.1	13.4	12.8	13.2	13.7	14.2	14.7
95°	25.7	24.5	22.6	20.7	18.7	16.8	19.4	26.6	33.8	41.0	48.2
97.5°	26.9	25.4	38.1	50.8	63.5	76.0	84.0	87.2	90.5	93.7	97.0
100°	27.5	26.1	53.5	80.9	108.3	135.7	147.7	144.2	140.7	137.1	133.6
102.5°	47.7	52.0	82.0	111.9	141.9	171.8	185.5	183.0	180.5	177.9	175.4
105°	142.0	173.2	189.0	204.8	220.6	236.4	243.4	241.5	239.5	237.6	235.6
107.5°	294.6	317.4	314.9	312.4	309.9	307.4	305.4	303.9	302.3	300.8	299.2
110°	350.8	356.6	354.7	352.8	350.8	348.9	347.2	345.8	344.4	343.0	341.6



TEST NUMBER: P331892-927

CATALOG NUMBER: S123DIP-S340D1025U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	396.6	396.5	394.5	392.6	390.7	388.7	387.1	385.9	384.6	383.3	382.1
115°	455.7	453.8	452.3	450.7	449.1	447.6	446.2	445.2	444.1	443.1	442.0
117.5°	511.0	509.5	508.7	507.9	507.1	506.3	505.3	504.0	502.6	501.4	500.0
120°	547.0	545.6	545.1	544.5	544.0	543.5	542.4	540.8	539.2	537.7	536.1
122.5°	582.7	581.6	581.0	580.4	579.6	579.0	578.0	576.7	575.4	574.1	572.8
125°	633.0	632.6	631.8	631.1	630.5	629.8	628.7	627.3	625.9	624.5	623.1
127.5°	682.5	681.9	681.0	680.2	679.4	678.5	677.4	676.0	674.6	673.2	671.8
130°	712.3	711.6	710.9	710.3	709.6	708.8	707.8	706.4	705.0	703.5	702.2
132.5°	740.8	740.1	739.6	738.9	738.4	737.8	736.9	735.5	734.0	732.7	731.3
135°	784.1	783.6	782.9	782.2	781.5	780.8	779.9	778.9	777.8	776.7	775.7
137.5°	822.2	821.4	821.0	820.6	820.2	819.8	819.0	817.7	816.3	815.0	813.7
140°	846.8	846.1	845.6	845.0	844.5	844.0	843.2	842.1	841.1	840.0	838.9
142.5°	870.1	869.5	868.9	868.4	867.9	867.4	866.6	865.5	864.4	863.4	862.4
145°	902.5	902.2	901.8	901.5	901.2	900.8	900.0	898.8	897.5	896.4	895.1
147.5°	931.5	931.1	930.8	930.4	930.1	929.7	929.2	928.4	927.6	926.8	925.9
150°	949.2	948.9	948.5	948.2	947.8	947.5	947.0	946.5	945.9	945.5	944.9
152.5°	964.6	964.0	963.8	963.6	963.4	963.2	963.0	962.7	962.5	962.3	961.9
155°	986.1	985.2	985.1	984.8	984.7	984.5	984.6	985.0	985.3	985.6	986.0
157.5°	1004.8	1003.7	1003.9	1004.1	1004.2	1004.4	1004.6	1004.6	1004.6	1004.6	1004.6
160°	1015.6	1014.5	1014.6	1014.9	1015.0	1015.2	1015.3	1015.6	1015.7	1015.9	1016.1
162.5°	1025.2	1024.0	1024.1	1024.3	1024.5	1024.7	1025.0	1025.5	1025.9	1026.4	1026.8
165°	1038.0	1036.6	1036.8	1037.0	1037.1	1037.4	1037.7	1038.2	1038.7	1039.3	1039.8
167.5°	1048.1	1046.7	1046.7	1046.7	1046.7	1046.7	1047.1	1047.8	1048.5	1049.2	1049.9
170°	1053.8	1052.4	1052.4	1052.4	1052.4	1052.4	1052.8	1053.5	1054.2	1054.9	1055.6
172.5°	1057.6	1056.2	1056.1	1056.0	1055.8	1055.7	1056.1	1056.9	1057.7	1058.6	1059.4
175°	1062.4	1061.1	1061.0	1060.8	1060.6	1060.4	1060.8	1061.7	1062.6	1063.4	1064.3
177.5°	1064.1	1063.0	1062.9	1062.8	1062.6	1062.5	1062.8	1063.4	1064.1	1064.9	1065.6
180°	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3



TEST NUMBER: P331892-927

CATALOG NUMBER: S123DIP-S340D1025U927-4F0-1E-UDD-A

**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°	4.4	4.7	5.5	6.2	7.1	8.0	8.3	8.5	8.8	8.8	8.8
90°	2.5	4.3	6.1	7.8	9.8	12.1	14.4	16.7	19.0	19.6	20.4
92.5°	14.2	13.7	13.2	12.8	13.4	15.1	16.8	18.5	20.3	21.4	22.5
95°	41.0	33.8	26.6	19.4	16.8	18.7	20.7	22.6	24.5	25.7	26.9
97.5°	93.7	90.5	87.2	84.0	76.0	63.5	50.8	38.1	25.4	26.9	28.3
100°	137.1	140.7	144.2	147.7	135.7	108.3	80.9	53.5	26.1	27.5	28.9
102.5°	177.9	180.5	183.0	185.5	171.8	141.9	111.9	82.0	52.0	47.7	43.3
105°	237.6	239.5	241.5	243.4	236.4	220.6	204.8	189.0	173.2	142.0	111.0
107.5°	300.8	302.3	303.9	305.4	307.4	309.9	312.4	314.9	317.4	294.6	271.8
110°	343.0	344.4	345.8	347.2	348.9	350.8	352.8	354.7	356.6	350.8	345.0





TEST NUMBER: P331892-927

CATALOG NUMBER: S123DIP-S340D1025U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	383.3	384.6	385.9	387.1	388.7	390.7	392.6	394.5	396.5	396.6	396.6
115°	443.1	444.1	445.2	446.2	447.6	449.1	450.7	452.3	453.8	455.7	457.4
117.5°	501.4	502.6	504.0	505.3	506.3	507.1	507.9	508.7	509.5	511.0	512.4
120°	537.7	539.2	540.8	542.4	543.5	544.0	544.5	545.1	545.6	547.0	548.4
122.5°	574.1	575.4	576.7	578.0	579.0	579.6	580.4	581.0	581.6	582.7	583.6
125°	624.5	625.9	627.3	628.7	629.8	630.5	631.1	631.8	632.6	633.0	633.3
127.5°	673.2	674.6	676.0	677.4	678.5	679.4	680.2	681.0	681.9	682.5	683.0
130°	703.5	705.0	706.4	707.8	708.8	709.6	710.3	710.9	711.6	712.3	713.0
132.5°	732.7	734.0	735.5	736.9	737.8	738.4	738.9	739.6	740.1	740.8	741.5
135°	776.7	777.8	778.9	779.9	780.8	781.5	782.2	782.9	783.6	784.1	784.7
137.5°	815.0	816.3	817.7	819.0	819.8	820.2	820.6	821.0	821.4	822.2	823.1
140°	840.0	841.1	842.1	843.2	844.0	844.5	845.0	845.6	846.1	846.8	847.5
142.5°	863.4	864.4	865.5	866.6	867.4	867.9	868.4	868.9	869.5	870.1	870.6
145°	896.4	897.5	898.8	900.0	900.8	901.2	901.5	901.8	902.2	902.5	902.9
147.5°	926.8	927.6	928.4	929.2	929.7	930.1	930.4	930.8	931.1	931.5	931.8
150°	945.5	945.9	946.5	947.0	947.5	947.8	948.2	948.5	948.9	949.2	949.6
152.5°	962.3	962.5	962.7	963.0	963.2	963.4	963.6	963.8	964.0	964.6	965.3
155°	985.6	985.3	985.0	984.6	984.5	984.7	984.8	985.1	985.2	986.1	987.0
157.5°	1004.6	1004.6	1004.6	1004.6	1004.4	1004.2	1004.1	1003.9	1003.7	1004.8	1005.8
160°	1015.9	1015.7	1015.6	1015.3	1015.2	1015.0	1014.9	1014.6	1014.5	1015.6	1016.6
162.5°	1026.4	1025.9	1025.5	1025.0	1024.7	1024.5	1024.3	1024.1	1024.0	1025.2	1026.4
165°	1039.3	1038.7	1038.2	1037.7	1037.4	1037.1	1037.0	1036.8	1036.6	1038.0	1039.4
167.5°	1049.2	1048.5	1047.8	1047.1	1046.7	1046.7	1046.7	1046.7	1046.7	1048.1	1049.6
170°	1054.9	1054.2	1053.5	1052.8	1052.4	1052.4	1052.4	1052.4	1052.4	1053.8	1055.3
172.5°	1058.6	1057.7	1056.9	1056.1	1055.7	1055.8	1056.0	1056.1	1056.2	1057.6	1059.1
175°	1063.4	1062.6	1061.7	1060.8	1060.4	1060.6	1060.8	1061.0	1061.1	1062.4	1063.6
177.5°	1064.9	1064.1	1063.4	1062.8	1062.5	1062.6	1062.8	1062.9	1063.0	1064.1	1065.2
180°	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3



TEST NUMBER: P331892-927

CATALOG NUMBER: S123DIP-S340D1025U927-4F0-1E-UDD-A

**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°	8.8	8.8	8.7	9.0	8.9	8.8	9.2
90°	21.1	21.8	22.3	22.7	23.1	23.4	23.7
92.5°	23.6	24.7	25.4	25.6	25.8	26.1	26.2
95°	28.2	29.5	30.0	30.0	30.0	30.0	30.0
97.5°	29.7	31.1	31.8	32.1	32.2	32.4	32.6
100°	30.3	31.7	32.5	32.7	32.9	33.0	33.2
102.5°	39.0	34.6	32.6	32.9	33.2	33.5	33.8
105°	79.9	48.8	33.4	33.7	34.1	34.5	34.8
107.5°	249.0	226.2	203.0	179.6	156.1	132.7	109.2
110°	339.2	333.4	318.0	292.8	267.7	242.6	217.5



TEST NUMBER: P331892-927

CATALOG NUMBER: S123DIP-S340D1025U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	396.8	396.9	394.3	389.0	383.7	378.3	373.0
115°	459.1	460.9	462.2	462.8	463.5	464.2	464.9
117.5°	513.7	515.2	515.9	516.1	516.2	516.3	516.5
120°	549.8	551.2	551.9	551.9	551.9	551.9	551.9
122.5°	584.6	585.6	586.1	586.3	586.5	586.5	586.7
125°	633.6	634.0	634.3	634.7	635.0	635.4	635.7
127.5°	683.6	684.1	684.3	683.9	683.6	683.2	682.9
130°	713.8	714.5	714.6	714.3	713.9	713.6	713.2
132.5°	742.2	742.9	743.0	742.5	742.0	741.6	741.1
135°	785.2	785.7	785.7	785.2	784.7	784.1	783.6
137.5°	823.9	824.7	825.0	824.7	824.3	823.9	823.6
140°	848.2	848.9	849.1	848.7	848.3	848.0	847.6
142.5°	871.2	871.7	871.7	871.2	870.8	870.3	869.8
145°	903.2	903.6	903.8	903.8	903.8	903.8	903.8
147.5°	932.2	932.6	932.3	931.5	930.7	929.9	929.1
150°	949.9	950.3	950.1	949.7	949.1	948.6	948.1
152.5°	965.9	966.5	966.5	965.7	964.9	964.1	963.2
155°	987.9	988.7	988.6	987.6	986.6	985.5	984.4
157.5°	1006.9	1008.0	1007.8	1006.4	1005.0	1003.7	1002.3
160°	1017.6	1018.7	1018.6	1017.4	1016.1	1014.9	1013.7
162.5°	1027.5	1028.7	1028.8	1027.7	1026.6	1025.6	1024.5
165°	1040.8	1042.3	1042.4	1041.1	1039.9	1038.6	1037.4
167.5°	1051.0	1052.3	1052.3	1051.0	1049.6	1048.1	1046.7
170°	1056.7	1058.0	1058.0	1056.7	1055.3	1053.8	1052.4
172.5°	1060.4	1061.8	1061.8	1060.3	1058.7	1057.2	1055.6
175°	1064.9	1066.0	1066.0	1064.5	1063.2	1061.8	1060.3
177.5°	1066.4	1067.5	1067.4	1066.0	1064.6	1063.2	1061.8
180°	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3	1064.3

(END OF REPORT)