

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: P331884-930

Luminaire Tested: **S123DIP-S340D805U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331884-930  
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-S340D805U930-4F0-1E-UDD-A1  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 805 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3433.9 lumens  
Efficiency: N/A  
Efficacy: 110.1 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

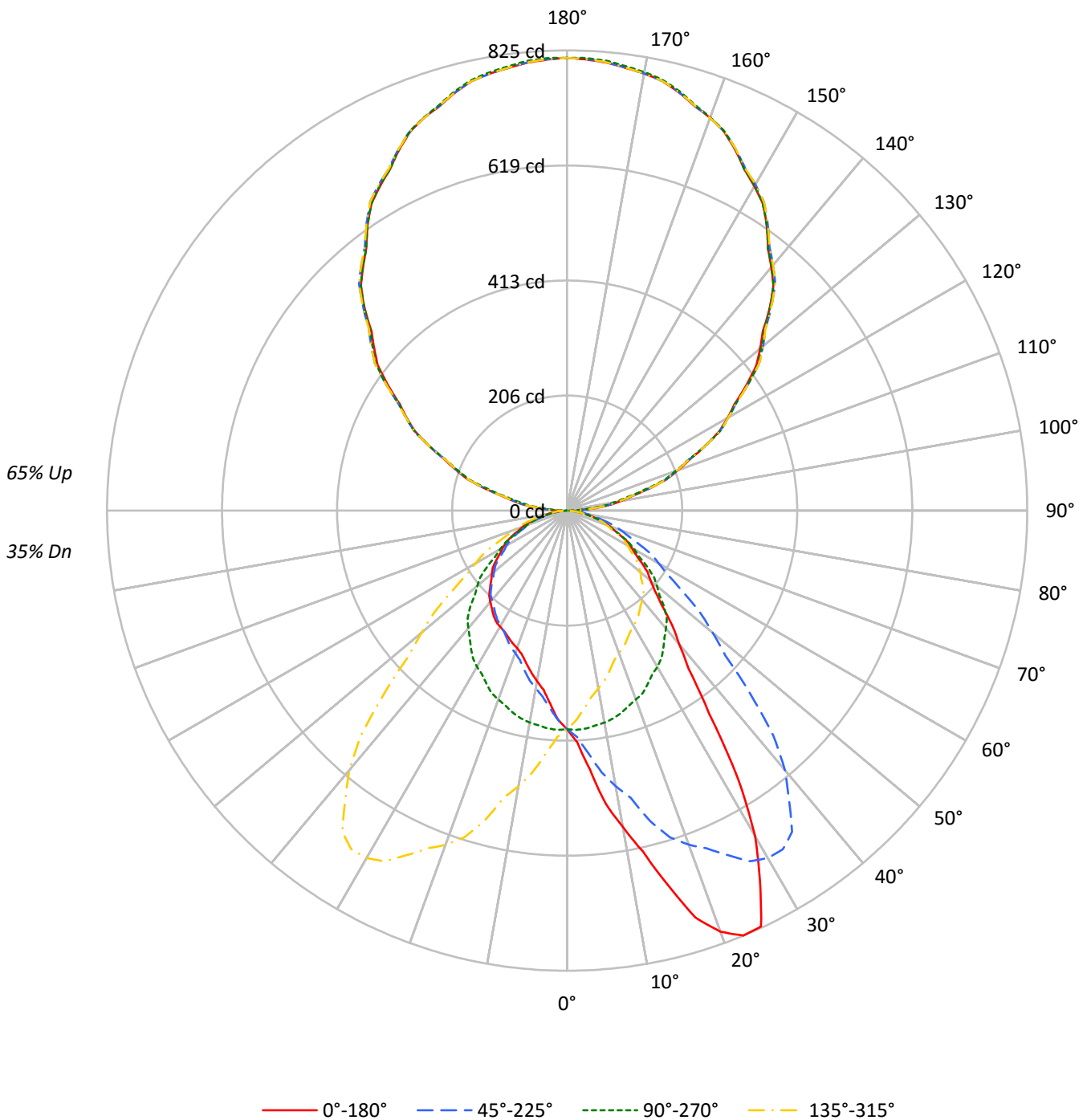
Input Watts (W): 31.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P331884-930

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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	93	93	93	93	75	75	75	58	58	58	42	42	42	35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	48	37	36	36	29
2	86	79	73	68	78	72	67	62	58	54	51	45	43	41	33	32	30	25
3	79	70	63	57	71	63	57	52	51	47	43	40	37	34	29	28	26	21
4	72	62	54	48	65	56	49	44	45	41	37	35	32	30	26	24	22	18
5	66	55	47	41	59	50	43	38	41	36	32	32	28	26	24	21	20	16
6	61	49	41	36	55	45	38	33	36	31	28	29	25	22	22	19	17	14
7	56	44	37	31	51	40	34	29	33	28	24	26	22	20	20	17	15	13
8	52	40	33	27	47	37	30	25	30	25	21	24	20	18	18	16	14	11
9	48	36	29	24	44	33	27	23	27	23	19	22	18	16	17	14	12	10
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11	9

**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



TEST NUMBER: P331884-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.6	1.1
10°-20°	123.8	3.6
20°-30°	207.8	6.1
30°-40°	235.3	6.9
40°-50°	211.0	6.1
50°-60°	170.3	5.0
60°-70°	118.7	3.5
70°-80°	62.4	1.8
80°-90°	17.7	0.5
90°-100°	52.9	1.5
100°-110°	158.2	4.6
110°-120°	269.1	7.8
120°-130°	354.0	10.3
130°-140°	397.9	11.6
140°-150°	391.1	11.4
150°-160°	329.2	9.6
160°-170°	219.2	6.4
170°-180°	76.7	2.2
0°-30°	370.3	10.8
0°-40°	605.6	17.6
0°-60°	986.9	28.7
0°-90°	1185.6	34.5
90°-120°	480.2	14.0
90°-150°	1623.1	47.3
90°-180°	2248.0	65.5
0°-180°	3433.9	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	10
95°	50	38	50	38	50	51
105°	152	143	152	143	152	161
115°	272	271	272	271	272	269
125°	392	396	392	396	392	350
135°	514	514	514	514	514	395
145°	624	624	624	624	624	390
155°	713	714	713	714	713	328
165°	776	778	776	778	776	219
175°	806	810	806	810	806	77
180°	812	812	812	812	812	



TEST NUMBER: P331884-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A1

**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°	25.8	25.9	26.1	26.3	26.4	26.3	25.8	25.4	24.9	24.5	23.4
95°	49.7	49.7	49.7	49.7	49.7	49.4	48.8	48.3	47.8	47.2	46.1
97.5°	76.5	76.6	76.6	76.6	76.7	76.4	75.7	75.1	74.4	73.8	73.0
100°	96.9	96.6	96.3	96.0	95.8	95.4	95.0	94.6	94.2	93.7	93.0
102.5°	117.8	117.9	117.9	118.0	118.1	117.8	117.4	117.0	116.6	116.2	115.2
105°	151.7	151.4	151.2	150.8	150.6	150.4	150.4	150.4	150.4	150.4	149.2
107.5°	187.0	187.2	187.4	187.5	187.7	187.6	187.1	186.6	186.2	185.7	185.2
110°	211.0	211.2	211.6	211.8	212.1	212.0	211.4	210.8	210.3	209.7	209.5



TEST NUMBER: P331884-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	236.5	236.5	236.6	236.7	236.7	236.4	235.7	235.1	234.4	233.7	233.7
115°	271.6	271.7	271.8	272.0	272.1	272.1	272.0	271.8	271.7	271.6	271.8
117.5°	307.1	307.5	307.9	308.3	308.7	308.9	308.9	309.0	309.0	309.0	309.4
120°	332.1	332.4	332.6	333.0	333.2	333.5	333.6	333.7	333.9	334.0	334.8
122.5°	356.0	356.4	356.9	357.3	357.7	358.1	358.4	358.8	359.1	359.5	359.9
125°	392.0	392.6	393.1	393.7	394.3	394.8	395.4	396.0	396.6	397.1	397.4
127.5°	427.9	428.5	429.2	429.8	430.5	431.2	431.9	432.8	433.6	434.3	434.6
130°	451.3	452.3	453.3	454.3	455.3	456.1	456.6	457.2	457.7	458.3	458.8
132.5°	475.8	476.5	477.3	478.1	478.8	479.6	480.2	480.9	481.6	482.2	482.6
135°	513.8	514.0	514.4	514.6	514.9	515.4	515.9	516.5	517.1	517.6	517.7
137.5°	547.3	547.9	548.4	548.9	549.4	550.0	550.7	551.2	551.8	552.4	552.0
140°	569.2	570.2	571.2	572.2	573.2	573.7	573.9	574.1	574.2	574.3	574.2
142.5°	591.7	592.4	593.2	593.9	594.8	595.2	595.3	595.5	595.6	595.7	595.5
145°	624.0	624.6	625.2	625.7	626.3	626.6	626.8	627.0	627.1	627.2	626.8
147.5°	652.9	653.7	654.5	655.4	656.2	656.7	656.7	656.7	656.7	656.7	656.3
150°	671.2	672.1	672.9	673.8	674.7	675.1	675.1	675.1	675.1	675.1	674.7
152.5°	689.1	689.8	690.6	691.3	692.0	692.3	692.0	691.8	691.6	691.4	691.2
155°	713.3	714.3	715.3	716.2	717.2	717.5	716.9	716.3	715.8	715.2	715.1
157.5°	735.3	736.1	736.9	737.8	738.5	738.6	738.0	737.4	736.9	736.2	736.1
160°	749.6	750.2	750.7	751.3	751.9	751.8	751.1	750.4	749.7	749.0	749.0
162.5°	760.3	761.2	762.1	763.0	763.9	764.1	763.4	762.6	761.9	761.2	761.1
165°	775.8	776.7	777.7	778.8	779.8	779.8	778.9	778.1	777.2	776.4	776.4
167.5°	788.9	789.8	790.7	791.5	792.4	792.4	791.5	790.7	789.8	788.9	788.8
170°	795.5	796.5	797.5	798.5	799.5	799.5	798.5	797.5	796.5	795.5	795.5
172.5°	800.6	801.6	802.6	803.6	804.6	804.6	803.8	802.9	802.0	801.1	801.1
175°	806.3	807.3	808.4	809.3	810.3	810.4	809.5	808.7	807.9	807.0	807.0
177.5°	809.4	810.2	811.0	811.8	812.6	812.6	812.0	811.3	810.6	809.9	809.9
180°	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5



TEST NUMBER: P331884-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A1

**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°	22.4	21.4	20.3	19.2	18.3	17.4	16.4	15.4	16.4	17.4	18.3
95°	44.9	43.8	42.6	41.6	40.6	39.6	38.6	37.6	38.6	39.6	40.6
97.5°	72.2	71.3	70.5	69.8	69.0	68.2	67.5	66.8	67.5	68.2	69.0
100°	92.3	91.6	90.9	90.1	89.3	88.4	87.6	86.7	87.6	88.4	89.3
102.5°	114.3	113.3	112.4	111.7	111.2	110.6	110.1	109.7	110.1	110.6	111.2
105°	147.9	146.6	145.4	144.6	144.3	144.0	143.7	143.4	143.7	144.0	144.3
107.5°	184.7	184.3	183.7	183.4	183.2	183.0	182.9	182.7	182.9	183.0	183.2
110°	209.1	208.9	208.6	208.3	208.0	207.7	207.4	207.2	207.4	207.7	208.0





TEST NUMBER: P331884-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	233.6	233.5	233.4	233.3	233.2	233.0	232.8	232.7	232.8	233.0	233.2
115°	272.1	272.4	272.7	272.6	272.1	271.7	271.3	270.9	271.3	271.7	272.1
117.5°	309.7	310.1	310.5	310.5	310.2	310.0	309.7	309.4	309.7	310.0	310.2
120°	335.4	336.1	336.9	336.8	335.9	335.1	334.2	333.4	334.2	335.1	335.9
122.5°	360.3	360.6	361.0	360.9	360.2	359.6	359.0	358.4	359.0	359.6	360.2
125°	397.7	397.9	398.3	398.2	397.8	397.3	396.9	396.5	396.9	397.3	397.8
127.5°	435.0	435.3	435.6	435.3	434.4	433.5	432.6	431.7	432.6	433.5	434.4
130°	459.2	459.6	460.0	459.7	458.5	457.4	456.2	455.1	456.2	457.4	458.5
132.5°	482.9	483.2	483.6	483.1	482.0	480.9	479.7	478.6	479.7	480.9	482.0
135°	517.9	518.0	518.2	517.8	517.0	516.1	515.3	514.4	515.3	516.1	517.0
137.5°	551.6	551.3	550.9	550.4	549.7	548.9	548.3	547.6	548.3	548.9	549.7
140°	574.1	573.9	573.7	573.3	572.7	571.9	571.2	570.5	571.2	571.9	572.7
142.5°	595.3	595.0	594.8	594.3	593.5	592.8	592.2	591.4	592.2	592.8	593.5
145°	626.4	626.0	625.5	625.2	624.9	624.6	624.4	624.0	624.4	624.6	624.9
147.5°	655.9	655.5	655.1	654.7	654.1	653.6	653.1	652.6	653.1	653.6	654.1
150°	674.5	674.2	673.9	673.6	673.4	673.0	672.8	672.5	672.8	673.0	673.4
152.5°	691.0	690.9	690.7	690.4	690.0	689.6	689.2	688.8	689.2	689.6	690.0
155°	714.9	714.8	714.6	714.5	714.5	714.5	714.5	714.5	714.5	714.5	714.5
157.5°	736.1	735.9	735.8	735.8	736.0	736.1	736.3	736.5	736.3	736.1	736.0
160°	749.0	749.0	749.0	749.1	749.4	749.7	750.0	750.2	750.0	749.7	749.4
162.5°	761.0	760.9	760.8	760.9	761.3	761.7	762.1	762.5	762.1	761.7	761.3
165°	776.4	776.4	776.4	776.6	777.1	777.5	777.9	778.3	777.9	777.5	777.1
167.5°	788.6	788.6	788.5	788.6	789.2	789.8	790.4	790.9	790.4	789.8	789.2
170°	795.5	795.5	795.5	795.8	796.4	797.0	797.5	798.1	797.5	797.0	796.4
172.5°	801.1	801.1	801.1	801.4	802.0	802.6	803.2	803.6	803.2	802.6	802.0
175°	807.0	807.0	807.0	807.3	807.9	808.5	808.9	809.5	808.9	808.5	807.9
177.5°	809.9	809.9	809.9	810.2	810.6	811.1	811.5	812.0	811.5	811.1	810.6
180°	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5



TEST NUMBER: P331884-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A1

**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°	19.2	20.3	21.4	22.4	23.4	24.5	24.9	25.4	25.8	26.3	26.4
95°	41.6	42.6	43.8	44.9	46.1	47.2	47.8	48.3	48.8	49.4	49.7
97.5°	69.8	70.5	71.3	72.2	73.0	73.8	74.4	75.1	75.7	76.4	76.7
100°	90.1	90.9	91.6	92.3	93.0	93.7	94.2	94.6	95.0	95.4	95.8
102.5°	111.7	112.4	113.3	114.3	115.2	116.2	116.6	117.0	117.4	117.8	118.1
105°	144.6	145.4	146.6	147.9	149.2	150.4	150.4	150.4	150.4	150.4	150.6
107.5°	183.4	183.7	184.3	184.7	185.2	185.7	186.2	186.6	187.1	187.6	187.7
110°	208.3	208.6	208.9	209.1	209.5	209.7	210.3	210.8	211.4	212.0	212.1



TEST NUMBER: P331884-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	233.3	233.4	233.5	233.6	233.7	233.7	234.4	235.1	235.7	236.4	236.7
115°	272.6	272.7	272.4	272.1	271.8	271.6	271.7	271.8	272.0	272.1	272.1
117.5°	310.5	310.5	310.1	309.7	309.4	309.0	309.0	309.0	308.9	308.9	308.7
120°	336.8	336.9	336.1	335.4	334.8	334.0	333.9	333.7	333.6	333.5	333.2
122.5°	360.9	361.0	360.6	360.3	359.9	359.5	359.1	358.8	358.4	358.1	357.7
125°	398.2	398.3	397.9	397.7	397.4	397.1	396.6	396.0	395.4	394.8	394.3
127.5°	435.3	435.6	435.3	435.0	434.6	434.3	433.6	432.8	431.9	431.2	430.5
130°	459.7	460.0	459.6	459.2	458.8	458.3	457.7	457.2	456.6	456.1	455.3
132.5°	483.1	483.6	483.2	482.9	482.6	482.2	481.6	480.9	480.2	479.6	478.8
135°	517.8	518.2	518.0	517.9	517.7	517.6	517.1	516.5	515.9	515.4	514.9
137.5°	550.4	550.9	551.3	551.6	552.0	552.4	551.8	551.2	550.7	550.0	549.4
140°	573.3	573.7	573.9	574.1	574.2	574.3	574.2	574.1	573.9	573.7	573.2
142.5°	594.3	594.8	595.0	595.3	595.5	595.7	595.6	595.5	595.3	595.2	594.8
145°	625.2	625.5	626.0	626.4	626.8	627.2	627.1	627.0	626.8	626.6	626.3
147.5°	654.7	655.1	655.5	655.9	656.3	656.7	656.7	656.7	656.7	656.7	656.2
150°	673.6	673.9	674.2	674.5	674.7	675.1	675.1	675.1	675.1	675.1	674.7
152.5°	690.4	690.7	690.9	691.0	691.2	691.4	691.6	691.8	692.0	692.3	692.0
155°	714.5	714.6	714.8	714.9	715.1	715.2	715.8	716.3	716.9	717.5	717.2
157.5°	735.8	735.8	735.9	736.1	736.1	736.2	736.9	737.4	738.0	738.6	738.5
160°	749.1	749.0	749.0	749.0	749.0	749.0	749.7	750.4	751.1	751.8	751.9
162.5°	760.9	760.8	760.9	761.0	761.1	761.2	761.9	762.6	763.4	764.1	763.9
165°	776.6	776.4	776.4	776.4	776.4	776.4	777.2	778.1	778.9	779.8	779.8
167.5°	788.6	788.5	788.6	788.6	788.8	788.9	789.8	790.7	791.5	792.4	792.4
170°	795.8	795.5	795.5	795.5	795.5	795.5	796.5	797.5	798.5	799.5	799.5
172.5°	801.4	801.1	801.1	801.1	801.1	801.1	802.0	802.9	803.8	804.6	804.6
175°	807.3	807.0	807.0	807.0	807.0	807.0	807.9	808.7	809.5	810.4	810.3
177.5°	810.2	809.9	809.9	809.9	809.9	809.9	810.6	811.3	812.0	812.6	812.6
180°	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5



TEST NUMBER: P331884-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A1

**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°	26.3	26.1	25.9	25.8	25.9	26.1	26.3	26.4	26.3	25.8	25.4
95°	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.4	48.8	48.3
97.5°	76.6	76.6	76.6	76.5	76.6	76.6	76.6	76.7	76.4	75.7	75.1
100°	96.0	96.3	96.6	96.9	96.6	96.3	96.0	95.8	95.4	95.0	94.6
102.5°	118.0	117.9	117.9	117.8	117.9	117.9	118.0	118.1	117.8	117.4	117.0
105°	150.8	151.2	151.4	151.7	151.4	151.2	150.8	150.6	150.4	150.4	150.4
107.5°	187.5	187.4	187.2	187.0	187.2	187.4	187.5	187.7	187.6	187.1	186.6
110°	211.8	211.6	211.2	211.0	211.2	211.6	211.8	212.1	212.0	211.4	210.8



TEST NUMBER: P331884-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	236.7	236.6	236.5	236.5	236.5	236.6	236.7	236.7	236.4	235.7	235.1
115°	272.0	271.8	271.7	271.6	271.7	271.8	272.0	272.1	272.1	272.0	271.8
117.5°	308.3	307.9	307.5	307.1	307.5	307.9	308.3	308.7	308.9	308.9	309.0
120°	333.0	332.6	332.4	332.1	332.4	332.6	333.0	333.2	333.5	333.6	333.7
122.5°	357.3	356.9	356.4	356.0	356.4	356.9	357.3	357.7	358.1	358.4	358.8
125°	393.7	393.1	392.6	392.0	392.6	393.1	393.7	394.3	394.8	395.4	396.0
127.5°	429.8	429.2	428.5	427.9	428.5	429.2	429.8	430.5	431.2	431.9	432.8
130°	454.3	453.3	452.3	451.3	452.3	453.3	454.3	455.3	456.1	456.6	457.2
132.5°	478.1	477.3	476.5	475.8	476.5	477.3	478.1	478.8	479.6	480.2	480.9
135°	514.6	514.4	514.0	513.8	514.0	514.4	514.6	514.9	515.4	515.9	516.5
137.5°	548.9	548.4	547.9	547.3	547.9	548.4	548.9	549.4	550.0	550.7	551.2
140°	572.2	571.2	570.2	569.2	570.2	571.2	572.2	573.2	573.7	573.9	574.1
142.5°	593.9	593.2	592.4	591.7	592.4	593.2	593.9	594.8	595.2	595.3	595.5
145°	625.7	625.2	624.6	624.0	624.6	625.2	625.7	626.3	626.6	626.8	627.0
147.5°	655.4	654.5	653.7	652.9	653.7	654.5	655.4	656.2	656.7	656.7	656.7
150°	673.8	672.9	672.1	671.2	672.1	672.9	673.8	674.7	675.1	675.1	675.1
152.5°	691.3	690.6	689.8	689.1	689.8	690.6	691.3	692.0	692.3	692.0	691.8
155°	716.2	715.3	714.3	713.3	714.3	715.3	716.2	717.2	717.5	716.9	716.3
157.5°	737.8	736.9	736.1	735.3	736.1	736.9	737.8	738.5	738.6	738.0	737.4
160°	751.3	750.7	750.2	749.6	750.2	750.7	751.3	751.9	751.8	751.1	750.4
162.5°	763.0	762.1	761.2	760.3	761.2	762.1	763.0	763.9	764.1	763.4	762.6
165°	778.8	777.7	776.7	775.8	776.7	777.7	778.8	779.8	779.8	778.9	778.1
167.5°	791.5	790.7	789.8	788.9	789.8	790.7	791.5	792.4	792.4	791.5	790.7
170°	798.5	797.5	796.5	795.5	796.5	797.5	798.5	799.5	799.5	798.5	797.5
172.5°	803.6	802.6	801.6	800.6	801.6	802.6	803.6	804.6	804.6	803.8	802.9
175°	809.3	808.4	807.3	806.3	807.3	808.4	809.3	810.3	810.4	809.5	808.7
177.5°	811.8	811.0	810.2	809.4	810.2	811.0	811.8	812.6	812.6	812.0	811.3
180°	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5



TEST NUMBER: P331884-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A1

**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°	24.9	24.5	23.4	22.4	21.4	20.3	19.2	18.3	17.4	16.4	15.4
95°	47.8	47.2	46.1	44.9	43.8	42.6	41.6	40.6	39.6	38.6	37.6
97.5°	74.4	73.8	73.0	72.2	71.3	70.5	69.8	69.0	68.2	67.5	66.8
100°	94.2	93.7	93.0	92.3	91.6	90.9	90.1	89.3	88.4	87.6	86.7
102.5°	116.6	116.2	115.2	114.3	113.3	112.4	111.7	111.2	110.6	110.1	109.7
105°	150.4	150.4	149.2	147.9	146.6	145.4	144.6	144.3	144.0	143.7	143.4
107.5°	186.2	185.7	185.2	184.7	184.3	183.7	183.4	183.2	183.0	182.9	182.7
110°	210.3	209.7	209.5	209.1	208.9	208.6	208.3	208.0	207.7	207.4	207.2



TEST NUMBER: P331884-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	234.4	233.7	233.7	233.6	233.5	233.4	233.3	233.2	233.0	232.8	232.7
115°	271.7	271.6	271.8	272.1	272.4	272.7	272.6	272.1	271.7	271.3	270.9
117.5°	309.0	309.0	309.4	309.7	310.1	310.5	310.5	310.2	310.0	309.7	309.4
120°	333.9	334.0	334.8	335.4	336.1	336.9	336.8	335.9	335.1	334.2	333.4
122.5°	359.1	359.5	359.9	360.3	360.6	361.0	360.9	360.2	359.6	359.0	358.4
125°	396.6	397.1	397.4	397.7	397.9	398.3	398.2	397.8	397.3	396.9	396.5
127.5°	433.6	434.3	434.6	435.0	435.3	435.6	435.3	434.4	433.5	432.6	431.7
130°	457.7	458.3	458.8	459.2	459.6	460.0	459.7	458.5	457.4	456.2	455.1
132.5°	481.6	482.2	482.6	482.9	483.2	483.6	483.1	482.0	480.9	479.7	478.6
135°	517.1	517.6	517.7	517.9	518.0	518.2	517.8	517.0	516.1	515.3	514.4
137.5°	551.8	552.4	552.0	551.6	551.3	550.9	550.4	549.7	548.9	548.3	547.6
140°	574.2	574.3	574.2	574.1	573.9	573.7	573.3	572.7	571.9	571.2	570.5
142.5°	595.6	595.7	595.5	595.3	595.0	594.8	594.3	593.5	592.8	592.2	591.4
145°	627.1	627.2	626.8	626.4	626.0	625.5	625.2	624.9	624.6	624.4	624.0
147.5°	656.7	656.7	656.3	655.9	655.5	655.1	654.7	654.1	653.6	653.1	652.6
150°	675.1	675.1	674.7	674.5	674.2	673.9	673.6	673.4	673.0	672.8	672.5
152.5°	691.6	691.4	691.2	691.0	690.9	690.7	690.4	690.0	689.6	689.2	688.8
155°	715.8	715.2	715.1	714.9	714.8	714.6	714.5	714.5	714.5	714.5	714.5
157.5°	736.9	736.2	736.1	736.1	735.9	735.8	735.8	736.0	736.1	736.3	736.5
160°	749.7	749.0	749.0	749.0	749.0	749.0	749.1	749.4	749.7	750.0	750.2
162.5°	761.9	761.2	761.1	761.0	760.9	760.8	760.9	761.3	761.7	762.1	762.5
165°	777.2	776.4	776.4	776.4	776.4	776.4	776.6	777.1	777.5	777.9	778.3
167.5°	789.8	788.9	788.8	788.6	788.6	788.5	788.6	789.2	789.8	790.4	790.9
170°	796.5	795.5	795.5	795.5	795.5	795.5	795.8	796.4	797.0	797.5	798.1
172.5°	802.0	801.1	801.1	801.1	801.1	801.1	801.4	802.0	802.6	803.2	803.6
175°	807.9	807.0	807.0	807.0	807.0	807.0	807.3	807.9	808.5	808.9	809.5
177.5°	810.6	809.9	809.9	809.9	809.9	809.9	810.2	810.6	811.1	811.5	812.0
180°	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5



TEST NUMBER: P331884-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A1

**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°	16.4	17.4	18.3	19.2	20.3	21.4	22.4	23.4	24.5	24.9	25.4
95°	38.6	39.6	40.6	41.6	42.6	43.8	44.9	46.1	47.2	47.8	48.3
97.5°	67.5	68.2	69.0	69.8	70.5	71.3	72.2	73.0	73.8	74.4	75.1
100°	87.6	88.4	89.3	90.1	90.9	91.6	92.3	93.0	93.7	94.2	94.6
102.5°	110.1	110.6	111.2	111.7	112.4	113.3	114.3	115.2	116.2	116.6	117.0
105°	143.7	144.0	144.3	144.6	145.4	146.6	147.9	149.2	150.4	150.4	150.4
107.5°	182.9	183.0	183.2	183.4	183.7	184.3	184.7	185.2	185.7	186.2	186.6
110°	207.4	207.7	208.0	208.3	208.6	208.9	209.1	209.5	209.7	210.3	210.8





TEST NUMBER: P331884-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	232.8	233.0	233.2	233.3	233.4	233.5	233.6	233.7	233.7	234.4	235.1
115°	271.3	271.7	272.1	272.6	272.7	272.4	272.1	271.8	271.6	271.7	271.8
117.5°	309.7	310.0	310.2	310.5	310.5	310.1	309.7	309.4	309.0	309.0	309.0
120°	334.2	335.1	335.9	336.8	336.9	336.1	335.4	334.8	334.0	333.9	333.7
122.5°	359.0	359.6	360.2	360.9	361.0	360.6	360.3	359.9	359.5	359.1	358.8
125°	396.9	397.3	397.8	398.2	398.3	397.9	397.7	397.4	397.1	396.6	396.0
127.5°	432.6	433.5	434.4	435.3	435.6	435.3	435.0	434.6	434.3	433.6	432.8
130°	456.2	457.4	458.5	459.7	460.0	459.6	459.2	458.8	458.3	457.7	457.2
132.5°	479.7	480.9	482.0	483.1	483.6	483.2	482.9	482.6	482.2	481.6	480.9
135°	515.3	516.1	517.0	517.8	518.2	518.0	517.9	517.7	517.6	517.1	516.5
137.5°	548.3	548.9	549.7	550.4	550.9	551.3	551.6	552.0	552.4	551.8	551.2
140°	571.2	571.9	572.7	573.3	573.7	573.9	574.1	574.2	574.3	574.2	574.1
142.5°	592.2	592.8	593.5	594.3	594.8	595.0	595.3	595.5	595.7	595.6	595.5
145°	624.4	624.6	624.9	625.2	625.5	626.0	626.4	626.8	627.2	627.1	627.0
147.5°	653.1	653.6	654.1	654.7	655.1	655.5	655.9	656.3	656.7	656.7	656.7
150°	672.8	673.0	673.4	673.6	673.9	674.2	674.5	674.7	675.1	675.1	675.1
152.5°	689.2	689.6	690.0	690.4	690.7	690.9	691.0	691.2	691.4	691.6	691.8
155°	714.5	714.5	714.5	714.5	714.6	714.8	714.9	715.1	715.2	715.8	716.3
157.5°	736.3	736.1	736.0	735.8	735.8	735.9	736.1	736.1	736.2	736.9	737.4
160°	750.0	749.7	749.4	749.1	749.0	749.0	749.0	749.0	749.0	749.7	750.4
162.5°	762.1	761.7	761.3	760.9	760.8	760.9	761.0	761.1	761.2	761.9	762.6
165°	777.9	777.5	777.1	776.6	776.4	776.4	776.4	776.4	776.4	777.2	778.1
167.5°	790.4	789.8	789.2	788.6	788.5	788.6	788.6	788.8	788.9	789.8	790.7
170°	797.5	797.0	796.4	795.8	795.5	795.5	795.5	795.5	795.5	796.5	797.5
172.5°	803.2	802.6	802.0	801.4	801.1	801.1	801.1	801.1	801.1	802.0	802.9
175°	808.9	808.5	807.9	807.3	807.0	807.0	807.0	807.0	807.0	807.9	808.7
177.5°	811.5	811.1	810.6	810.2	809.9	809.9	809.9	809.9	809.9	810.6	811.3
180°	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5	811.5



TEST NUMBER: P331884-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A1

**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°	25.8	26.3	26.4	26.3	26.1	25.9	25.8
95°	48.8	49.4	49.7	49.7	49.7	49.7	49.7
97.5°	75.7	76.4	76.7	76.6	76.6	76.6	76.5
100°	95.0	95.4	95.8	96.0	96.3	96.6	96.9
102.5°	117.4	117.8	118.1	118.0	117.9	117.9	117.8
105°	150.4	150.4	150.6	150.8	151.2	151.4	151.7
107.5°	187.1	187.6	187.7	187.5	187.4	187.2	187.0
110°	211.4	212.0	212.1	211.8	211.6	211.2	211.0



TEST NUMBER: P331884-930

CATALOG NUMBER: S123DIP-S340D805U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	235.7	236.4	236.7	236.7	236.6	236.5	236.5
115°	272.0	272.1	272.1	272.0	271.8	271.7	271.6
117.5°	308.9	308.9	308.7	308.3	307.9	307.5	307.1
120°	333.6	333.5	333.2	333.0	332.6	332.4	332.1
122.5°	358.4	358.1	357.7	357.3	356.9	356.4	356.0
125°	395.4	394.8	394.3	393.7	393.1	392.6	392.0
127.5°	431.9	431.2	430.5	429.8	429.2	428.5	427.9
130°	456.6	456.1	455.3	454.3	453.3	452.3	451.3
132.5°	480.2	479.6	478.8	478.1	477.3	476.5	475.8
135°	515.9	515.4	514.9	514.6	514.4	514.0	513.8
137.5°	550.7	550.0	549.4	548.9	548.4	547.9	547.3
140°	573.9	573.7	573.2	572.2	571.2	570.2	569.2
142.5°	595.3	595.2	594.8	593.9	593.2	592.4	591.7
145°	626.8	626.6	626.3	625.7	625.2	624.6	624.0
147.5°	656.7	656.7	656.2	655.4	654.5	653.7	652.9
150°	675.1	675.1	674.7	673.8	672.9	672.1	671.2
152.5°	692.0	692.3	692.0	691.3	690.6	689.8	689.1
155°	716.9	717.5	717.2	716.2	715.3	714.3	713.3
157.5°	738.0	738.6	738.5	737.8	736.9	736.1	735.3
160°	751.1	751.8	751.9	751.3	750.7	750.2	749.6
162.5°	763.4	764.1	763.9	763.0	762.1	761.2	760.3
165°	778.9	779.8	779.8	778.8	777.7	776.7	775.8
167.5°	791.5	792.4	792.4	791.5	790.7	789.8	788.9
170°	798.5	799.5	799.5	798.5	797.5	796.5	795.5
172.5°	803.8	804.6	804.6	803.6	802.6	801.6	800.6
175°	809.5	810.4	810.3	809.3	808.4	807.3	806.3
177.5°	812.0	812.6	812.6	811.8	811.0	810.2	809.4
180°	811.5	811.5	811.5	811.5	811.5	811.5	811.5

(END OF REPORT)