

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: P332259-935

Luminaire Tested: **S123RDIP-S340D1025U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332259-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123RDIP-S340D1025U935-4F0-1E-UDD-A1  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1025 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4201.3 lumens  
Efficiency: N/A  
Efficacy: 112.6 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: Semi-Indirect

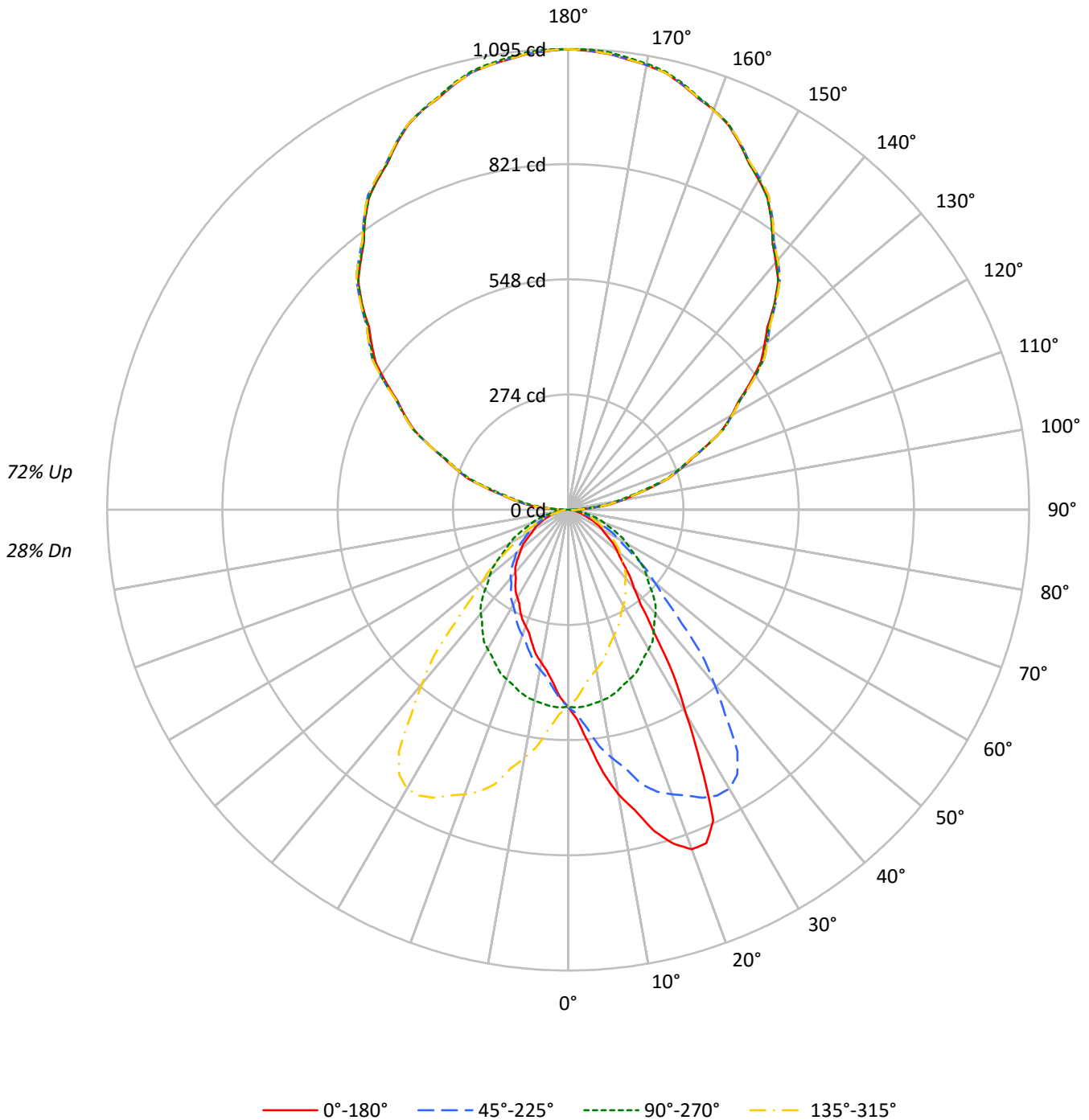
Input Watts (W): 37.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	102	102	102	102	91	91	91	91	71	71	71	53	53	53	36	36	36	28
1	93	89	85	82	83	80	77	74	63	61	59	47	45	44	32	31	31	24
2	85	78	72	68	76	70	65	61	55	52	49	41	39	37	29	27	26	21
3	78	69	62	57	69	62	56	51	49	45	42	37	34	32	26	24	23	18
4	71	61	54	48	63	55	49	44	44	39	36	33	30	28	23	21	20	16
5	65	54	47	41	58	49	42	38	39	34	31	30	26	24	21	19	17	14
6	60	49	41	36	54	44	37	33	35	30	27	27	24	21	19	17	15	12
7	56	44	36	31	50	40	33	29	32	27	24	24	21	19	17	15	14	11
8	51	40	32	27	46	36	30	25	29	24	21	22	19	17	16	14	12	10
9	48	36	29	24	43	33	27	22	27	22	19	20	17	15	15	13	11	9
10	45	33	26	22	40	30	24	20	24	20	17	19	16	13	14	12	10	8

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	5044	5044	5044	5044
5°	6013	5065	4460	5065
10°	7507	5037	4030	5037
15°	8811	4985	3675	4985
20°	9835	4907	3373	4907
25°	9678	4827	3188	4827
30°	6955	4753	2997	4753
35°	4644	4654	2872	4654
40°	3421	4539	2746	4539
45°	2871	4332	2620	4332
50°	2534	4064	2445	4064
55°	2222	3757	2205	3757
60°	1978	3462	2019	3462
65°	1737	3148	1880	3148
70°	1363	2867	1718	2867
75°	1198	2504	1568	2504
80°	1048	2126	1543	2126
85°	840	1717	1643	1717



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.1	1.1
10°-20°	144.0	3.4
20°-30°	226.2	5.4
30°-40°	236.0	5.6
40°-50°	201.9	4.8
50°-60°	153.9	3.7
60°-70°	98.7	2.3
70°-80°	47.5	1.1
80°-90°	15.8	0.4
90°-100°	71.3	1.7
100°-110°	213.3	5.1
110°-120°	362.8	8.6
120°-130°	477.3	11.4
130°-140°	536.4	12.8
140°-150°	527.3	12.6
150°-160°	443.9	10.6
160°-170°	295.5	7.0
170°-180°	103.5	2.5
0°-30°	416.2	9.9
0°-40°	652.2	15.5
0°-60°	1008.0	24.0
0°-90°	1170.0	27.8
90°-120°	647.5	15.4
90°-150°	2188.5	52.1
90°-180°	3031.0	72.1
0°-180°	4201.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	469	469	469	469	469	
5°	556	469	413	469	556	57
15°	791	447	330	447	791	224
25°	815	406	268	406	815	350
35°	353	354	219	354	353	232
45°	189	285	172	285	189	148
55°	118	200	118	200	118	107
65°	68	124	74	124	68	67
75°	29	60	38	60	29	31
85°	7	14	13	14	7	9
90°	26	1	26	1	26	13
95°	67	51	67	51	67	69
105°	205	193	205	193	205	217
115°	366	365	366	365	366	362
125°	529	535	529	535	529	473
135°	693	694	693	694	693	533
145°	841	841	841	841	841	525
155°	962	964	962	964	962	443
165°	1046	1049	1046	1049	1046	295
175°	1087	1092	1087	1092	1087	103
180°	1094	1094	1094	1094	1094	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6
2.5°	499.1	499.7	497.7	497.3	494.9	494.3	494.3	490.9	488.8	486.1	484.5
5°	556.5	559.6	558.0	554.5	548.5	547.0	543.2	537.2	530.4	521.9	518.0
7.5°	628.1	632.5	630.8	625.3	618.9	613.8	603.0	593.1	579.1	566.8	556.3
10°	686.8	682.3	678.6	673.2	667.4	658.0	646.7	631.3	613.5	599.3	583.8
12.5°	730.8	730.0	725.5	719.9	711.7	702.7	688.9	670.1	649.4	629.0	611.1
15°	790.7	791.9	788.9	783.2	771.5	755.6	734.8	726.9	697.2	675.2	653.2
17.5°	832.2	832.0	831.6	823.5	811.7	800.4	781.0	760.4	733.6	702.5	672.8
20°	858.6	856.5	857.0	847.9	839.1	826.0	807.2	777.3	755.3	719.4	688.6
22.5°	857.9	857.5	859.0	855.9	849.5	839.6	824.7	799.4	771.3	735.0	700.5
25°	814.9	813.2	822.6	825.3	835.5	837.3	832.8	819.1	792.4	755.0	712.3
27.5°	681.9	681.1	698.5	720.5	748.2	769.8	790.7	800.7	792.4	765.6	722.8
30°	559.6	578.5	587.4	619.1	654.4	696.5	733.4	768.4	777.1	765.4	730.4
32.5°	464.7	481.1	488.5	515.7	548.6	598.0	653.3	703.0	738.1	747.0	725.9
35°	353.4	353.6	370.5	382.5	413.0	463.7	517.5	584.1	650.3	700.5	705.7
37.5°	282.1	283.0	293.3	305.2	328.1	354.9	402.3	457.6	534.1	611.1	656.3
40°	243.5	245.3	253.0	264.8	281.2	301.5	338.4	390.5	454.3	540.0	610.0
42.5°	218.8	221.7	225.7	234.8	245.0	264.0	293.8	334.1	392.1	473.1	553.9
45°	188.6	190.2	193.2	197.4	206.6	219.8	239.9	267.0	315.1	380.3	461.2
47.5°	166.3	165.5	168.7	172.0	178.2	187.3	200.7	222.7	257.1	309.4	378.0
50°	151.3	151.0	153.3	155.8	161.7	168.3	179.3	196.0	223.3	266.6	329.4
52.5°	137.2	137.8	139.5	142.7	146.9	152.2	162.1	174.2	197.6	235.0	287.3
55°	118.4	119.0	121.1	123.0	126.0	131.4	137.6	147.7	163.7	189.8	232.9
57.5°	102.5	102.2	104.3	104.8	108.1	112.5	117.4	125.2	136.8	156.2	185.2
60°	91.9	91.3	93.1	94.5	96.3	99.9	103.9	111.5	120.8	135.0	159.9
62.5°	82.2	82.0	83.3	84.7	86.2	89.5	92.8	98.7	106.0	118.0	137.8
65°	68.2	68.8	69.4	70.0	70.8	72.8	76.0	80.1	85.1	93.5	107.7
67.5°	53.6	54.2	54.4	55.6	57.3	58.6	60.6	64.1	67.7	74.7	82.8
70°	43.3	43.1	43.3	43.9	46.1	48.3	51.0	53.6	55.8	60.8	67.6
72.5°	37.2	36.9	37.4	37.5	38.6	39.2	40.8	43.3	46.1	49.5	54.4
75°	28.8	28.8	28.8	28.8	29.7	30.0	30.7	31.3	32.3	33.9	37.5
77.5°	21.4	21.4	21.7	21.9	22.0	22.3	22.6	23.2	23.6	24.5	26.0
80°	16.9	17.0	16.9	17.0	17.0	17.5	17.7	18.3	18.4	19.5	20.1
82.5°	12.7	12.6	12.7	12.9	12.9	13.3	13.3	13.8	13.8	14.3	14.9
85°	6.8	6.5	6.8	6.6	7.1	6.6	6.8	7.2	7.2	7.4	8.3
87.5°	6.8	7.0	6.6	6.7	6.6	6.6	6.5	6.4	6.5	6.2	5.9
90°	25.7	25.4	25.1	24.6	24.3	23.7	22.9	22.1	21.4	20.7	18.2
92.5°	34.7	35.0	35.2	35.4	35.6	35.5	34.9	34.3	33.6	33.0	31.6
95°	67.1	67.1	67.1	67.1	67.1	66.6	65.9	65.1	64.4	63.6	62.1
97.5°	103.1	103.2	103.3	103.4	103.4	103.1	102.2	101.3	100.4	99.5	98.4
100°	130.6	130.3	129.8	129.5	129.2	128.6	128.0	127.5	126.9	126.3	125.4
102.5°	158.9	158.9	158.9	159.0	159.1	158.9	158.3	157.7	157.1	156.6	155.3
105°	204.6	204.1	203.8	203.4	203.0	202.9	202.9	202.9	202.9	202.9	201.1
107.5°	252.2	252.4	252.6	252.9	253.0	252.9	252.3	251.7	251.1	250.5	249.8
110°	284.5	284.9	285.2	285.6	286.0	285.9	285.1	284.3	283.5	282.8	282.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	318.8	318.9	319.0	319.1	319.2	318.7	317.8	316.9	316.0	315.0	315.0
115°	366.1	366.4	366.5	366.7	366.9	366.9	366.7	366.5	366.4	366.1	366.5
117.5°	414.1	414.7	415.2	415.7	416.2	416.6	416.6	416.6	416.6	416.6	417.2
120°	447.8	448.2	448.6	448.9	449.3	449.6	449.8	450.0	450.1	450.4	451.3
122.5°	480.1	480.6	481.1	481.7	482.2	482.8	483.3	483.7	484.2	484.7	485.3
125°	528.6	529.3	530.1	530.9	531.6	532.4	533.1	533.9	534.7	535.5	535.8
127.5°	576.9	577.7	578.6	579.5	580.4	581.3	582.5	583.5	584.5	585.7	586.1
130°	608.5	609.8	611.1	612.5	613.8	614.9	615.6	616.4	617.2	617.9	618.5
132.5°	641.5	642.6	643.6	644.6	645.7	646.6	647.6	648.4	649.4	650.2	650.7
135°	692.8	693.1	693.4	693.9	694.2	694.8	695.6	696.4	697.2	697.8	698.1
137.5°	738.0	738.7	739.3	740.1	740.8	741.6	742.4	743.2	744.0	744.8	744.3
140°	767.5	768.9	770.2	771.5	772.8	773.6	773.8	774.0	774.2	774.4	774.2
142.5°	797.7	798.7	799.8	800.8	801.8	802.5	802.7	802.9	803.1	803.2	802.9
145°	841.4	842.1	842.9	843.7	844.5	844.9	845.2	845.3	845.5	845.7	845.2
147.5°	880.3	881.4	882.5	883.7	884.8	885.5	885.5	885.5	885.5	885.5	884.8
150°	905.0	906.1	907.3	908.4	909.6	910.2	910.2	910.2	910.2	910.2	909.8
152.5°	929.1	930.1	931.1	932.0	933.1	933.4	933.1	932.8	932.5	932.2	931.9
155°	961.7	963.0	964.4	965.8	967.1	967.3	966.6	965.9	965.1	964.3	964.1
157.5°	991.4	992.6	993.6	994.7	995.7	995.9	995.1	994.3	993.5	992.6	992.6
160°	1010.7	1011.5	1012.3	1013.1	1013.7	1013.7	1012.7	1011.8	1010.8	1009.9	1009.9
162.5°	1025.2	1026.4	1027.6	1028.8	1030.0	1030.2	1029.2	1028.3	1027.3	1026.4	1026.2
165°	1045.9	1047.3	1048.6	1050.0	1051.3	1051.4	1050.2	1049.1	1047.9	1046.8	1046.8
167.5°	1063.7	1064.9	1066.0	1067.2	1068.4	1068.4	1067.2	1066.0	1064.9	1063.7	1063.5
170°	1072.6	1073.9	1075.3	1076.6	1078.0	1078.0	1076.6	1075.3	1073.9	1072.6	1072.6
172.5°	1079.4	1080.8	1082.2	1083.5	1084.9	1084.9	1083.7	1082.5	1081.3	1080.1	1080.1
175°	1087.2	1088.6	1089.9	1091.2	1092.5	1092.7	1091.5	1090.4	1089.3	1088.0	1088.0
177.5°	1091.3	1092.4	1093.5	1094.6	1095.6	1095.7	1094.8	1093.9	1093.0	1092.0	1092.0
180°	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6
2.5°	483.8	483.4	481.1	478.5	475.2	472.9	471.1	470.2	467.3	463.7	461.4
5°	513.8	507.7	501.3	493.4	486.2	478.8	474.2	468.8	462.2	454.8	449.5
7.5°	545.7	533.9	521.2	508.1	495.2	483.5	473.2	464.4	453.9	443.2	435.8
10°	570.3	553.0	535.2	516.9	500.3	484.7	472.6	460.8	448.2	435.9	426.6
12.5°	592.6	569.9	549.3	526.8	505.6	486.9	469.6	455.6	440.4	427.4	416.9
15°	620.9	597.5	572.7	538.6	510.3	486.6	465.5	447.3	428.9	412.8	402.6
17.5°	647.2	612.3	578.8	550.4	513.6	484.1	458.3	436.5	416.2	399.2	386.6
20°	658.1	624.2	588.0	551.6	515.6	482.4	452.5	428.4	407.4	388.1	376.5
22.5°	664.7	626.4	588.1	549.1	510.7	476.3	446.8	420.3	397.4	379.2	364.8
25°	672.4	626.6	584.5	546.0	506.9	469.6	434.5	406.4	381.8	362.3	347.1
27.5°	677.4	623.6	573.9	531.1	491.4	454.3	422.1	392.3	367.2	346.6	330.3
30°	678.4	621.2	565.7	519.4	479.1	444.9	410.8	382.4	355.9	334.0	318.7
32.5°	679.7	615.3	554.6	505.4	464.1	430.3	399.4	372.2	345.1	323.6	308.0
35°	674.4	612.0	537.8	481.2	439.9	407.2	379.4	354.2	327.6	306.7	290.8
37.5°	651.6	599.0	520.4	454.0	410.8	380.6	357.8	336.0	311.5	289.0	274.1
40°	628.7	586.2	506.9	437.5	392.4	361.3	340.8	323.0	299.3	278.2	262.2
42.5°	594.5	568.6	494.0	420.2	371.5	341.6	324.3	307.5	286.8	265.4	250.3
45°	531.8	535.2	467.8	392.5	342.6	312.5	296.3	284.6	266.2	248.6	233.1
47.5°	453.1	485.0	437.0	363.2	312.2	284.0	269.8	259.6	247.1	229.8	215.7
50°	401.8	447.3	412.2	343.5	293.1	265.0	251.0	242.7	231.9	218.3	204.8
52.5°	354.5	403.4	382.4	321.4	272.3	246.7	233.0	226.2	217.6	204.7	192.6
55°	289.0	338.6	333.8	288.3	241.3	218.3	207.8	200.2	194.4	184.8	175.1
57.5°	233.8	280.8	283.3	251.3	214.0	191.1	182.2	176.4	172.6	165.4	156.4
60°	199.0	242.1	250.6	226.4	194.4	174.4	165.5	160.8	157.9	152.1	145.3
62.5°	170.1	206.8	216.4	199.1	175.6	156.8	149.9	145.5	143.4	138.4	132.4
65°	130.2	160.7	169.9	160.3	148.0	133.0	127.3	123.6	121.7	119.0	114.5
67.5°	97.9	120.1	130.3	123.5	119.0	109.5	106.0	103.9	102.3	100.4	96.7
70°	78.6	95.1	105.5	103.8	100.1	95.1	92.5	91.1	89.5	87.8	84.6
72.5°	63.2	74.6	84.3	85.2	82.3	81.3	79.0	78.4	77.4	75.5	73.7
75°	41.9	49.8	56.6	59.2	60.4	61.4	60.4	60.2	60.0	58.4	57.3
77.5°	27.5	31.7	36.0	40.5	42.4	43.7	44.0	44.8	44.2	43.4	42.9
80°	21.1	22.0	25.1	28.8	31.9	33.1	33.9	34.3	34.1	33.9	33.1
82.5°	15.3	16.1	17.6	20.2	22.7	24.7	25.2	25.1	25.6	25.7	25.1
85°	8.3	8.4	8.9	9.2	10.6	12.8	13.4	13.9	14.2	14.2	13.0
87.5°	5.7	5.1	4.9	4.4	4.6	4.3	4.9	5.3	5.9	5.6	5.9
90°	15.7	13.2	10.7	8.5	6.6	4.6	2.8	0.9	2.8	4.6	6.6
92.5°	30.1	28.8	27.4	26.0	24.7	23.4	22.1	20.8	22.1	23.4	24.7
95°	60.5	59.0	57.5	56.1	54.8	53.4	52.0	50.7	52.0	53.4	54.8
97.5°	97.3	96.2	95.1	94.0	93.1	92.0	91.1	90.1	91.1	92.0	93.1
100°	124.4	123.5	122.5	121.5	120.3	119.2	118.0	116.9	118.0	119.2	120.3
102.5°	154.0	152.8	151.5	150.6	149.9	149.2	148.5	147.8	148.5	149.2	149.9
105°	199.4	197.7	196.0	194.9	194.5	194.2	193.7	193.4	193.7	194.2	194.5
107.5°	249.1	248.4	247.7	247.3	247.0	246.8	246.6	246.3	246.6	246.8	247.0
110°	282.0	281.6	281.2	280.9	280.4	280.1	279.7	279.3	279.7	280.1	280.4





TEST NUMBER: P332259-935

CATALOG NUMBER: S123RDIP-S340D1025U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	315.0	314.9	314.8	314.6	314.4	314.2	313.9	313.7	313.9	314.2	314.4
115°	366.9	367.3	367.6	367.6	367.0	366.4	365.8	365.2	365.8	366.4	367.0
117.5°	417.7	418.2	418.6	418.7	418.4	417.9	417.6	417.2	417.6	417.9	418.4
120°	452.3	453.2	454.2	454.1	453.0	451.8	450.6	449.5	450.6	451.8	453.0
122.5°	485.7	486.2	486.7	486.6	485.7	484.8	484.1	483.2	484.1	484.8	485.7
125°	536.2	536.6	537.0	536.8	536.3	535.7	535.2	534.6	535.2	535.7	536.3
127.5°	586.5	586.9	587.3	586.9	585.7	584.4	583.2	582.0	583.2	584.4	585.7
130°	619.1	619.7	620.3	619.7	618.2	616.7	615.2	613.6	615.2	616.7	618.2
132.5°	651.1	651.5	651.9	651.4	649.9	648.3	646.8	645.3	646.8	648.3	649.9
135°	698.3	698.4	698.6	698.2	697.0	695.9	694.7	693.6	694.7	695.9	697.0
137.5°	743.8	743.3	742.8	742.1	741.1	740.2	739.3	738.3	739.3	740.2	741.1
140°	774.0	773.8	773.6	773.0	772.1	771.1	770.2	769.2	770.2	771.1	772.1
142.5°	802.5	802.2	801.8	801.2	800.3	799.4	798.3	797.4	798.3	799.4	800.3
145°	844.6	844.0	843.4	842.9	842.6	842.1	841.8	841.4	841.8	842.1	842.6
147.5°	884.3	883.8	883.3	882.7	882.0	881.3	880.6	879.9	880.6	881.3	882.0
150°	909.4	909.0	908.6	908.3	907.8	907.5	907.1	906.7	907.1	907.5	907.8
152.5°	931.7	931.5	931.3	930.8	930.3	929.8	929.3	928.8	929.3	929.8	930.3
155°	963.9	963.7	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
157.5°	992.4	992.2	992.0	992.1	992.3	992.6	992.8	993.0	992.8	992.6	992.3
160°	1009.9	1009.9	1009.9	1010.0	1010.5	1010.8	1011.2	1011.6	1011.2	1010.8	1010.5
162.5°	1026.1	1025.9	1025.8	1026.0	1026.5	1027.0	1027.5	1028.1	1027.5	1027.0	1026.5
165°	1046.8	1046.8	1046.8	1047.1	1047.7	1048.3	1048.8	1049.4	1048.8	1048.3	1047.7
167.5°	1063.3	1063.2	1063.1	1063.3	1064.1	1064.9	1065.7	1066.4	1065.7	1064.9	1064.1
170°	1072.6	1072.6	1072.6	1073.0	1073.8	1074.5	1075.3	1076.1	1075.3	1074.5	1073.8
172.5°	1080.1	1080.1	1080.1	1080.6	1081.3	1082.1	1082.9	1083.6	1082.9	1082.1	1081.3
175°	1088.0	1088.0	1088.0	1088.5	1089.3	1089.9	1090.7	1091.5	1090.7	1089.9	1089.3
177.5°	1092.0	1092.0	1092.0	1092.4	1093.0	1093.6	1094.2	1094.8	1094.2	1093.6	1093.0
180°	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1



TEST NUMBER: P332259-935

CATALOG NUMBER: S123RDIP-S340D1025U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6
2.5°	460.5	458.5	457.0	453.8	451.8	449.5	447.3	448.7	448.5	448.4	448.4
5°	445.1	440.5	436.3	430.8	427.5	423.3	420.1	419.7	420.4	417.7	416.0
7.5°	429.8	423.5	417.5	411.6	405.2	400.1	397.0	395.5	393.5	391.8	389.9
10°	419.0	411.6	405.8	398.4	391.6	385.6	381.8	379.1	377.7	376.3	373.7
12.5°	407.9	400.7	393.3	384.9	378.4	371.4	368.6	365.7	363.0	361.4	357.8
15°	391.8	382.4	374.5	365.7	358.4	351.6	347.7	341.8	341.0	339.0	335.4
17.5°	375.5	365.3	354.5	347.9	339.8	332.7	326.6	324.7	318.9	316.8	313.6
20°	362.7	353.3	345.0	336.4	324.6	318.0	313.1	310.6	305.9	303.1	301.1
22.5°	351.6	342.0	332.5	322.4	312.7	305.2	301.7	297.6	295.2	291.2	289.0
25°	335.8	325.4	313.9	303.1	296.1	290.5	284.8	281.2	277.6	275.8	271.8
27.5°	317.5	306.5	295.8	287.6	279.0	273.5	268.4	265.2	260.8	257.8	255.5
30°	307.3	294.5	285.2	277.8	266.8	261.6	257.8	253.7	250.6	247.4	245.1
32.5°	295.6	283.9	275.2	266.0	257.5	251.8	246.8	243.3	240.6	237.5	235.3
35°	277.2	267.4	258.4	249.2	242.9	237.1	231.3	228.3	225.7	222.8	220.8
37.5°	260.6	251.4	242.8	234.1	226.4	221.6	217.0	214.6	211.1	209.2	207.2
40°	250.4	241.3	232.1	223.7	215.7	212.1	207.8	204.4	201.2	199.8	197.6
42.5°	239.1	230.1	222.3	213.3	206.6	201.7	197.9	194.2	191.7	189.7	188.5
45°	222.5	214.5	206.8	197.8	191.6	187.4	183.0	179.5	177.4	175.9	173.7
47.5°	206.3	198.3	190.5	182.7	176.7	171.9	167.4	165.1	162.1	160.4	158.9
50°	194.6	187.4	179.2	171.9	165.9	161.1	157.5	154.5	151.9	149.6	148.6
52.5°	183.8	176.2	169.0	162.3	155.9	150.5	147.2	144.0	142.1	139.6	138.4
55°	166.1	158.7	152.7	146.0	139.8	135.2	131.2	128.4	126.4	123.6	122.0
57.5°	149.5	142.8	135.6	129.8	123.5	119.6	116.2	112.4	109.9	107.8	106.2
60°	138.2	130.6	124.3	119.0	113.3	108.3	105.3	102.3	99.7	97.5	96.1
62.5°	126.5	119.9	113.9	108.1	102.9	98.5	95.1	92.6	90.2	88.9	87.4
65°	108.5	103.3	97.3	92.5	87.6	84.5	81.6	79.5	77.8	76.8	75.6
67.5°	92.0	87.0	81.7	77.0	73.7	71.3	69.5	67.6	66.7	65.4	64.7
70°	81.3	76.0	71.4	67.8	64.6	62.8	61.6	60.2	59.4	57.8	57.0
72.5°	69.6	65.8	62.4	59.5	56.9	55.3	53.7	52.0	50.7	48.9	48.1
75°	54.8	51.3	48.7	46.8	45.1	43.0	40.7	38.9	38.3	37.7	37.5
77.5°	40.6	38.4	36.5	34.8	32.8	31.3	30.7	30.3	30.2	29.9	29.9
80°	31.9	29.9	28.5	26.5	25.3	25.3	25.3	24.9	25.1	25.1	25.1
82.5°	23.7	21.9	21.1	20.4	20.1	20.3	20.3	20.4	20.2	20.6	20.4
85°	12.2	12.4	12.8	12.7	12.8	12.8	13.3	13.0	13.3	12.8	13.3
87.5°	6.2	7.1	7.7	8.4	9.1	9.4	9.7	9.9	10.2	10.3	10.5
90°	8.5	10.7	13.2	15.7	18.2	20.7	21.4	22.1	22.9	23.7	24.3
92.5°	26.0	27.4	28.8	30.1	31.6	33.0	33.6	34.3	34.9	35.5	35.6
95°	56.1	57.5	59.0	60.5	62.1	63.6	64.4	65.1	65.9	66.6	67.1
97.5°	94.0	95.1	96.2	97.3	98.4	99.5	100.4	101.3	102.2	103.1	103.4
100°	121.5	122.5	123.5	124.4	125.4	126.3	126.9	127.5	128.0	128.6	129.2
102.5°	150.6	151.5	152.8	154.0	155.3	156.6	157.1	157.7	158.3	158.9	159.1
105°	194.9	196.0	197.7	199.4	201.1	202.9	202.9	202.9	202.9	202.9	203.0
107.5°	247.3	247.7	248.4	249.1	249.8	250.5	251.1	251.7	252.3	252.9	253.0
110°	280.9	281.2	281.6	282.0	282.4	282.8	283.5	284.3	285.1	285.9	286.0



TEST NUMBER: P332259-935

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	314.6	314.8	314.9	315.0	315.0	315.0	316.0	316.9	317.8	318.7	319.2
115°	367.6	367.6	367.3	366.9	366.5	366.1	366.4	366.5	366.7	366.9	366.9
117.5°	418.7	418.6	418.2	417.7	417.2	416.6	416.6	416.6	416.6	416.6	416.2
120°	454.1	454.2	453.2	452.3	451.3	450.4	450.1	450.0	449.8	449.6	449.3
122.5°	486.6	486.7	486.2	485.7	485.3	484.7	484.2	483.7	483.3	482.8	482.2
125°	536.8	537.0	536.6	536.2	535.8	535.5	534.7	533.9	533.1	532.4	531.6
127.5°	586.9	587.3	586.9	586.5	586.1	585.7	584.5	583.5	582.5	581.3	580.4
130°	619.7	620.3	619.7	619.1	618.5	617.9	617.2	616.4	615.6	614.9	613.8
132.5°	651.4	651.9	651.5	651.1	650.7	650.2	649.4	648.4	647.6	646.6	645.7
135°	698.2	698.6	698.4	698.3	698.1	697.8	697.2	696.4	695.6	694.8	694.2
137.5°	742.1	742.8	743.3	743.8	744.3	744.8	744.0	743.2	742.4	741.6	740.8
140°	773.0	773.6	773.8	774.0	774.2	774.4	774.2	774.0	773.8	773.6	772.8
142.5°	801.2	801.8	802.2	802.5	802.9	803.2	803.1	802.9	802.7	802.5	801.8
145°	842.9	843.4	844.0	844.6	845.2	845.7	845.5	845.3	845.2	844.9	844.5
147.5°	882.7	883.3	883.8	884.3	884.8	885.5	885.5	885.5	885.5	885.5	884.8
150°	908.3	908.6	909.0	909.4	909.8	910.2	910.2	910.2	910.2	910.2	909.6
152.5°	930.8	931.3	931.5	931.7	931.9	932.2	932.5	932.8	933.1	933.4	933.1
155°	963.5	963.5	963.7	963.9	964.1	964.3	965.1	965.9	966.6	967.3	967.1
157.5°	992.1	992.0	992.2	992.4	992.6	992.6	993.5	994.3	995.1	995.9	995.7
160°	1010.0	1009.9	1009.9	1009.9	1009.9	1009.9	1010.8	1011.8	1012.7	1013.7	1013.7
162.5°	1026.0	1025.8	1025.9	1026.1	1026.2	1026.4	1027.3	1028.3	1029.2	1030.2	1030.0
165°	1047.1	1046.8	1046.8	1046.8	1046.8	1046.8	1047.9	1049.1	1050.2	1051.4	1051.3
167.5°	1063.3	1063.1	1063.2	1063.3	1063.5	1063.7	1064.9	1066.0	1067.2	1068.4	1068.4
170°	1073.0	1072.6	1072.6	1072.6	1072.6	1072.6	1073.9	1075.3	1076.6	1078.0	1078.0
172.5°	1080.6	1080.1	1080.1	1080.1	1080.1	1080.1	1081.3	1082.5	1083.7	1084.9	1084.9
175°	1088.5	1088.0	1088.0	1088.0	1088.0	1088.0	1089.3	1090.4	1091.5	1092.7	1092.5
177.5°	1092.4	1092.0	1092.0	1092.0	1092.0	1092.0	1093.0	1093.9	1094.8	1095.7	1095.6
180°	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1



TEST NUMBER: P332259-935

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6
2.5°	446.4	446.3	446.4	445.8	446.4	446.3	446.4	448.4	448.4	448.5	448.7
5°	415.4	415.3	414.7	412.8	414.7	415.3	415.4	416.0	417.7	420.4	419.7
7.5°	388.3	388.1	386.3	386.3	386.3	388.1	388.3	389.9	391.8	393.5	395.5
10°	372.3	372.5	370.1	368.7	370.1	372.5	372.3	373.7	376.3	377.7	379.1
12.5°	356.7	355.9	353.9	352.3	353.9	355.9	356.7	357.8	361.4	363.0	365.7
15°	336.2	334.2	329.4	329.8	329.4	334.2	336.2	335.4	339.0	341.0	341.8
17.5°	312.0	310.6	310.5	307.6	310.5	310.6	312.0	313.6	316.8	318.9	324.7
20°	297.9	296.9	297.3	294.5	297.3	296.9	297.9	301.1	303.1	305.9	310.6
22.5°	286.8	285.8	284.1	283.3	284.1	285.8	286.8	289.0	291.2	295.2	297.6
25°	270.6	269.0	267.4	268.4	267.4	269.0	270.6	271.8	275.8	277.6	281.2
27.5°	254.4	253.2	251.6	251.4	251.6	253.2	254.4	255.5	257.8	260.8	265.2
30°	244.1	242.9	242.1	241.1	242.1	242.9	244.1	245.1	247.4	250.6	253.7
32.5°	233.7	233.4	232.0	231.8	232.0	233.4	233.7	235.3	237.5	240.6	243.3
35°	220.1	218.9	218.4	218.6	218.4	218.9	220.1	220.8	222.8	225.7	228.3
37.5°	207.1	205.5	204.7	204.1	204.7	205.5	207.1	207.2	209.2	211.1	214.6
40°	197.8	196.2	195.8	195.4	195.8	196.2	197.8	197.6	199.8	201.2	204.4
42.5°	187.4	186.8	186.5	185.7	186.5	186.8	187.4	188.5	189.7	191.7	194.2
45°	173.1	172.9	171.7	172.1	171.7	172.9	173.1	173.7	175.9	177.4	179.5
47.5°	158.1	157.2	156.4	157.0	156.4	157.2	158.1	158.9	160.4	162.1	165.1
50°	147.8	147.4	145.6	146.0	145.6	147.4	147.8	148.6	149.6	151.9	154.5
52.5°	137.6	136.0	135.3	135.1	135.3	136.0	137.6	138.4	139.6	142.1	144.0
55°	120.5	118.7	118.0	117.5	118.0	118.7	120.5	122.0	123.6	126.4	128.4
57.5°	103.8	103.4	102.7	103.1	102.7	103.4	103.8	106.2	107.8	109.9	112.4
60°	94.1	94.1	94.1	93.8	94.1	94.1	94.1	96.1	97.5	99.7	102.3
62.5°	86.5	86.0	85.9	86.2	85.9	86.0	86.5	87.4	88.9	90.2	92.6
65°	75.0	74.8	74.0	73.8	74.0	74.8	75.0	75.6	76.8	77.8	79.5
67.5°	64.1	63.5	63.2	62.9	63.2	63.5	64.1	64.7	65.4	66.7	67.6
70°	56.0	55.5	54.3	54.6	54.3	55.5	56.0	57.0	57.8	59.4	60.2
72.5°	47.2	46.8	46.5	46.2	46.5	46.8	47.2	48.1	48.9	50.7	52.0
75°	37.3	37.1	36.9	37.7	36.9	37.1	37.3	37.5	37.7	38.3	38.9
77.5°	29.9	29.9	30.0	29.7	30.0	29.9	29.9	29.9	29.9	30.2	30.3
80°	25.1	25.1	24.9	24.9	24.9	25.1	25.1	25.1	25.1	25.1	24.9
82.5°	20.1	20.2	20.4	20.1	20.4	20.2	20.1	20.4	20.6	20.2	20.4
85°	13.3	13.0	13.4	13.3	13.4	13.0	13.3	13.3	12.8	13.3	13.0
87.5°	10.8	10.6	10.7	10.9	10.7	10.6	10.8	10.5	10.3	10.2	9.9
90°	24.6	25.1	25.4	25.7	25.4	25.1	24.6	24.3	23.7	22.9	22.1
92.5°	35.4	35.2	35.0	34.7	35.0	35.2	35.4	35.6	35.5	34.9	34.3
95°	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	66.6	65.9	65.1
97.5°	103.4	103.3	103.2	103.1	103.2	103.3	103.4	103.4	103.1	102.2	101.3
100°	129.5	129.8	130.3	130.6	130.3	129.8	129.5	129.2	128.6	128.0	127.5
102.5°	159.0	158.9	158.9	158.9	158.9	158.9	159.0	159.1	158.9	158.3	157.7
105°	203.4	203.8	204.1	204.6	204.1	203.8	203.4	203.0	202.9	202.9	202.9
107.5°	252.9	252.6	252.4	252.2	252.4	252.6	252.9	253.0	252.9	252.3	251.7
110°	285.6	285.2	284.9	284.5	284.9	285.2	285.6	286.0	285.9	285.1	284.3



TEST NUMBER: P332259-935

CATALOG NUMBER: S123RDIP-S340D1025U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	319.1	319.0	318.9	318.8	318.9	319.0	319.1	319.2	318.7	317.8	316.9
115°	366.7	366.5	366.4	366.1	366.4	366.5	366.7	366.9	366.9	366.7	366.5
117.5°	415.7	415.2	414.7	414.1	414.7	415.2	415.7	416.2	416.6	416.6	416.6
120°	448.9	448.6	448.2	447.8	448.2	448.6	448.9	449.3	449.6	449.8	450.0
122.5°	481.7	481.1	480.6	480.1	480.6	481.1	481.7	482.2	482.8	483.3	483.7
125°	530.9	530.1	529.3	528.6	529.3	530.1	530.9	531.6	532.4	533.1	533.9
127.5°	579.5	578.6	577.7	576.9	577.7	578.6	579.5	580.4	581.3	582.5	583.5
130°	612.5	611.1	609.8	608.5	609.8	611.1	612.5	613.8	614.9	615.6	616.4
132.5°	644.6	643.6	642.6	641.5	642.6	643.6	644.6	645.7	646.6	647.6	648.4
135°	693.9	693.4	693.1	692.8	693.1	693.4	693.9	694.2	694.8	695.6	696.4
137.5°	740.1	739.3	738.7	738.0	738.7	739.3	740.1	740.8	741.6	742.4	743.2
140°	771.5	770.2	768.9	767.5	768.9	770.2	771.5	772.8	773.6	773.8	774.0
142.5°	800.8	799.8	798.7	797.7	798.7	799.8	800.8	801.8	802.5	802.7	802.9
145°	843.7	842.9	842.1	841.4	842.1	842.9	843.7	844.5	844.9	845.2	845.3
147.5°	883.7	882.5	881.4	880.3	881.4	882.5	883.7	884.8	885.5	885.5	885.5
150°	908.4	907.3	906.1	905.0	906.1	907.3	908.4	909.6	910.2	910.2	910.2
152.5°	932.0	931.1	930.1	929.1	930.1	931.1	932.0	933.1	933.4	933.1	932.8
155°	965.8	964.4	963.0	961.7	963.0	964.4	965.8	967.1	967.3	966.6	965.9
157.5°	994.7	993.6	992.6	991.4	992.6	993.6	994.7	995.7	995.9	995.1	994.3
160°	1013.1	1012.3	1011.5	1010.7	1011.5	1012.3	1013.1	1013.7	1013.7	1012.7	1011.8
162.5°	1028.8	1027.6	1026.4	1025.2	1026.4	1027.6	1028.8	1030.0	1030.2	1029.2	1028.3
165°	1050.0	1048.6	1047.3	1045.9	1047.3	1048.6	1050.0	1051.3	1051.4	1050.2	1049.1
167.5°	1067.2	1066.0	1064.9	1063.7	1064.9	1066.0	1067.2	1068.4	1068.4	1067.2	1066.0
170°	1076.6	1075.3	1073.9	1072.6	1073.9	1075.3	1076.6	1078.0	1078.0	1076.6	1075.3
172.5°	1083.5	1082.2	1080.8	1079.4	1080.8	1082.2	1083.5	1084.9	1084.9	1083.7	1082.5
175°	1091.2	1089.9	1088.6	1087.2	1088.6	1089.9	1091.2	1092.5	1092.7	1091.5	1090.4
177.5°	1094.6	1093.5	1092.4	1091.3	1092.4	1093.5	1094.6	1095.6	1095.7	1094.8	1093.9
180°	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1



TEST NUMBER: P332259-935

CATALOG NUMBER: S123RDIP-S340D1025U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6
2.5°	447.3	449.5	451.8	453.8	457.0	458.5	460.5	461.4	463.7	467.3	470.2
5°	420.1	423.3	427.5	430.8	436.3	440.5	445.1	449.5	454.8	462.2	468.8
7.5°	397.0	400.1	405.2	411.6	417.5	423.5	429.8	435.8	443.2	453.9	464.4
10°	381.8	385.6	391.6	398.4	405.8	411.6	419.0	426.6	435.9	448.2	460.8
12.5°	368.6	371.4	378.4	384.9	393.3	400.7	407.9	416.9	427.4	440.4	455.6
15°	347.7	351.6	358.4	365.7	374.5	382.4	391.8	402.6	412.8	428.9	447.3
17.5°	326.6	332.7	339.8	347.9	354.5	365.3	375.5	386.6	399.2	416.2	436.5
20°	313.1	318.0	324.6	336.4	345.0	353.3	362.7	376.5	388.1	407.4	428.4
22.5°	301.7	305.2	312.7	322.4	332.5	342.0	351.6	364.8	379.2	397.4	420.3
25°	284.8	290.5	296.1	303.1	313.9	325.4	335.8	347.1	362.3	381.8	406.4
27.5°	268.4	273.5	279.0	287.6	295.8	306.5	317.5	330.3	346.6	367.2	392.3
30°	257.8	261.6	266.8	277.8	285.2	294.5	307.3	318.7	334.0	355.9	382.4
32.5°	246.8	251.8	257.5	266.0	275.2	283.9	295.6	308.0	323.6	345.1	372.2
35°	231.3	237.1	242.9	249.2	258.4	267.4	277.2	290.8	306.7	327.6	354.2
37.5°	217.0	221.6	226.4	234.1	242.8	251.4	260.6	274.1	289.0	311.5	336.0
40°	207.8	212.1	215.7	223.7	232.1	241.3	250.4	262.2	278.2	299.3	323.0
42.5°	197.9	201.7	206.6	213.3	222.3	230.1	239.1	250.3	265.4	286.8	307.5
45°	183.0	187.4	191.6	197.8	206.8	214.5	222.5	233.1	248.6	266.2	284.6
47.5°	167.4	171.9	176.7	182.7	190.5	198.3	206.3	215.7	229.8	247.1	259.6
50°	157.5	161.1	165.9	171.9	179.2	187.4	194.6	204.8	218.3	231.9	242.7
52.5°	147.2	150.5	155.9	162.3	169.0	176.2	183.8	192.6	204.7	217.6	226.2
55°	131.2	135.2	139.8	146.0	152.7	158.7	166.1	175.1	184.8	194.4	200.2
57.5°	116.2	119.6	123.5	129.8	135.6	142.8	149.5	156.4	165.4	172.6	176.4
60°	105.3	108.3	113.3	119.0	124.3	130.6	138.2	145.3	152.1	157.9	160.8
62.5°	95.1	98.5	102.9	108.1	113.9	119.9	126.5	132.4	138.4	143.4	145.5
65°	81.6	84.5	87.6	92.5	97.3	103.3	108.5	114.5	119.0	121.7	123.6
67.5°	69.5	71.3	73.7	77.0	81.7	87.0	92.0	96.7	100.4	102.3	103.9
70°	61.6	62.8	64.6	67.8	71.4	76.0	81.3	84.6	87.8	89.5	91.1
72.5°	53.7	55.3	56.9	59.5	62.4	65.8	69.6	73.7	75.5	77.4	78.4
75°	40.7	43.0	45.1	46.8	48.7	51.3	54.8	57.3	58.4	60.0	60.2
77.5°	30.7	31.3	32.8	34.8	36.5	38.4	40.6	42.9	43.4	44.2	44.8
80°	25.3	25.3	25.3	26.5	28.5	29.9	31.9	33.1	33.9	34.1	34.3
82.5°	20.3	20.3	20.1	20.4	21.1	21.9	23.7	25.1	25.7	25.6	25.1
85°	13.3	12.8	12.8	12.7	12.8	12.4	12.2	13.0	14.2	14.2	13.9
87.5°	9.7	9.4	9.1	8.4	7.7	7.1	6.2	5.9	5.6	5.9	5.3
90°	21.4	20.7	18.2	15.7	13.2	10.7	8.5	6.6	4.6	2.8	0.9
92.5°	33.6	33.0	31.6	30.1	28.8	27.4	26.0	24.7	23.4	22.1	20.8
95°	64.4	63.6	62.1	60.5	59.0	57.5	56.1	54.8	53.4	52.0	50.7
97.5°	100.4	99.5	98.4	97.3	96.2	95.1	94.0	93.1	92.0	91.1	90.1
100°	126.9	126.3	125.4	124.4	123.5	122.5	121.5	120.3	119.2	118.0	116.9
102.5°	157.1	156.6	155.3	154.0	152.8	151.5	150.6	149.9	149.2	148.5	147.8
105°	202.9	202.9	201.1	199.4	197.7	196.0	194.9	194.5	194.2	193.7	193.4
107.5°	251.1	250.5	249.8	249.1	248.4	247.7	247.3	247.0	246.8	246.6	246.3
110°	283.5	282.8	282.4	282.0	281.6	281.2	280.9	280.4	280.1	279.7	279.3



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	316.0	315.0	315.0	315.0	314.9	314.8	314.6	314.4	314.2	313.9	313.7
115°	366.4	366.1	366.5	366.9	367.3	367.6	367.6	367.0	366.4	365.8	365.2
117.5°	416.6	416.6	417.2	417.7	418.2	418.6	418.7	418.4	417.9	417.6	417.2
120°	450.1	450.4	451.3	452.3	453.2	454.2	454.1	453.0	451.8	450.6	449.5
122.5°	484.2	484.7	485.3	485.7	486.2	486.7	486.6	485.7	484.8	484.1	483.2
125°	534.7	535.5	535.8	536.2	536.6	537.0	536.8	536.3	535.7	535.2	534.6
127.5°	584.5	585.7	586.1	586.5	586.9	587.3	586.9	585.7	584.4	583.2	582.0
130°	617.2	617.9	618.5	619.1	619.7	620.3	619.7	618.2	616.7	615.2	613.6
132.5°	649.4	650.2	650.7	651.1	651.5	651.9	651.4	649.9	648.3	646.8	645.3
135°	697.2	697.8	698.1	698.3	698.4	698.6	698.2	697.0	695.9	694.7	693.6
137.5°	744.0	744.8	744.3	743.8	743.3	742.8	742.1	741.1	740.2	739.3	738.3
140°	774.2	774.4	774.2	774.0	773.8	773.6	773.0	772.1	771.1	770.2	769.2
142.5°	803.1	803.2	802.9	802.5	802.2	801.8	801.2	800.3	799.4	798.3	797.4
145°	845.5	845.7	845.2	844.6	844.0	843.4	842.9	842.6	842.1	841.8	841.4
147.5°	885.5	885.5	884.8	884.3	883.8	883.3	882.7	882.0	881.3	880.6	879.9
150°	910.2	910.2	909.8	909.4	909.0	908.6	908.3	907.8	907.5	907.1	906.7
152.5°	932.5	932.2	931.9	931.7	931.5	931.3	930.8	930.3	929.8	929.3	928.8
155°	965.1	964.3	964.1	963.9	963.7	963.5	963.5	963.5	963.5	963.5	963.5
157.5°	993.5	992.6	992.6	992.4	992.2	992.0	992.1	992.3	992.6	992.8	993.0
160°	1010.8	1009.9	1009.9	1009.9	1009.9	1009.9	1010.0	1010.5	1010.8	1011.2	1011.6
162.5°	1027.3	1026.4	1026.2	1026.1	1025.9	1025.8	1026.0	1026.5	1027.0	1027.5	1028.1
165°	1047.9	1046.8	1046.8	1046.8	1046.8	1046.8	1047.1	1047.7	1048.3	1048.8	1049.4
167.5°	1064.9	1063.7	1063.5	1063.3	1063.2	1063.1	1063.3	1064.1	1064.9	1065.7	1066.4
170°	1073.9	1072.6	1072.6	1072.6	1072.6	1072.6	1073.0	1073.8	1074.5	1075.3	1076.1
172.5°	1081.3	1080.1	1080.1	1080.1	1080.1	1080.1	1080.6	1081.3	1082.1	1082.9	1083.6
175°	1089.3	1088.0	1088.0	1088.0	1088.0	1088.0	1088.5	1089.3	1089.9	1090.7	1091.5
177.5°	1093.0	1092.0	1092.0	1092.0	1092.0	1092.0	1092.4	1093.0	1093.6	1094.2	1094.8
180°	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6
2.5°	471.1	472.9	475.2	478.5	481.1	483.4	483.8	484.5	486.1	488.8	490.9
5°	474.2	478.8	486.2	493.4	501.3	507.7	513.8	518.0	521.9	530.4	537.2
7.5°	473.2	483.5	495.2	508.1	521.2	533.9	545.7	556.3	566.8	579.1	593.1
10°	472.6	484.7	500.3	516.9	535.2	553.0	570.3	583.8	599.3	613.5	631.3
12.5°	469.6	486.9	505.6	526.8	549.3	569.9	592.6	611.1	629.0	649.4	670.1
15°	465.5	486.6	510.3	538.6	572.7	597.5	620.9	653.2	675.2	697.2	726.9
17.5°	458.3	484.1	513.6	550.4	578.8	612.3	647.2	672.8	702.5	733.6	760.4
20°	452.5	482.4	515.6	551.6	588.0	624.2	658.1	688.6	719.4	755.3	777.3
22.5°	446.8	476.3	510.7	549.1	588.1	626.4	664.7	700.5	735.0	771.3	799.4
25°	434.5	469.6	506.9	546.0	584.5	626.6	672.4	712.3	755.0	792.4	819.1
27.5°	422.1	454.3	491.4	531.1	573.9	623.6	677.4	722.8	765.6	792.4	800.7
30°	410.8	444.9	479.1	519.4	565.7	621.2	678.4	730.4	765.4	777.1	768.4
32.5°	399.4	430.3	464.1	505.4	554.6	615.3	679.7	725.9	747.0	738.1	703.0
35°	379.4	407.2	439.9	481.2	537.8	612.0	674.4	705.7	700.5	650.3	584.1
37.5°	357.8	380.6	410.8	454.0	520.4	599.0	651.6	656.3	611.1	534.1	457.6
40°	340.8	361.3	392.4	437.5	506.9	586.2	628.7	610.0	540.0	454.3	390.5
42.5°	324.3	341.6	371.5	420.2	494.0	568.6	594.5	553.9	473.1	392.1	334.1
45°	296.3	312.5	342.6	392.5	467.8	535.2	531.8	461.2	380.3	315.1	267.0
47.5°	269.8	284.0	312.2	363.2	437.0	485.0	453.1	378.0	309.4	257.1	222.7
50°	251.0	265.0	293.1	343.5	412.2	447.3	401.8	329.4	266.6	223.3	196.0
52.5°	233.0	246.7	272.3	321.4	382.4	403.4	354.5	287.3	235.0	197.6	174.2
55°	207.8	218.3	241.3	288.3	333.8	338.6	289.0	232.9	189.8	163.7	147.7
57.5°	182.2	191.1	214.0	251.3	283.3	280.8	233.8	185.2	156.2	136.8	125.2
60°	165.5	174.4	194.4	226.4	250.6	242.1	199.0	159.9	135.0	120.8	111.5
62.5°	149.9	156.8	175.6	199.1	216.4	206.8	170.1	137.8	118.0	106.0	98.7
65°	127.3	133.0	148.0	160.3	169.9	160.7	130.2	107.7	93.5	85.1	80.1
67.5°	106.0	109.5	119.0	123.5	130.3	120.1	97.9	82.8	74.7	67.7	64.1
70°	92.5	95.1	100.1	103.8	105.5	95.1	78.6	67.6	60.8	55.8	53.6
72.5°	79.0	81.3	82.3	85.2	84.3	74.6	63.2	54.4	49.5	46.1	43.3
75°	60.4	61.4	60.4	59.2	56.6	49.8	41.9	37.5	33.9	32.3	31.3
77.5°	44.0	43.7	42.4	40.5	36.0	31.7	27.5	26.0	24.5	23.6	23.2
80°	33.9	33.1	31.9	28.8	25.1	22.0	21.1	20.1	19.5	18.4	18.3
82.5°	25.2	24.7	22.7	20.2	17.6	16.1	15.3	14.9	14.3	13.8	13.8
85°	13.4	12.8	10.6	9.2	8.9	8.4	8.3	8.3	7.4	7.2	7.2
87.5°	4.9	4.3	4.6	4.4	4.9	5.1	5.7	5.9	6.2	6.5	6.4
90°	2.8	4.6	6.6	8.5	10.7	13.2	15.7	18.2	20.7	21.4	22.1
92.5°	22.1	23.4	24.7	26.0	27.4	28.8	30.1	31.6	33.0	33.6	34.3
95°	52.0	53.4	54.8	56.1	57.5	59.0	60.5	62.1	63.6	64.4	65.1
97.5°	91.1	92.0	93.1	94.0	95.1	96.2	97.3	98.4	99.5	100.4	101.3
100°	118.0	119.2	120.3	121.5	122.5	123.5	124.4	125.4	126.3	126.9	127.5
102.5°	148.5	149.2	149.9	150.6	151.5	152.8	154.0	155.3	156.6	157.1	157.7
105°	193.7	194.2	194.5	194.9	196.0	197.7	199.4	201.1	202.9	202.9	202.9
107.5°	246.6	246.8	247.0	247.3	247.7	248.4	249.1	249.8	250.5	251.1	251.7
110°	279.7	280.1	280.4	280.9	281.2	281.6	282.0	282.4	282.8	283.5	284.3





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	313.9	314.2	314.4	314.6	314.8	314.9	315.0	315.0	315.0	316.0	316.9
115°	365.8	366.4	367.0	367.6	367.6	367.3	366.9	366.5	366.1	366.4	366.5
117.5°	417.6	417.9	418.4	418.7	418.6	418.2	417.7	417.2	416.6	416.6	416.6
120°	450.6	451.8	453.0	454.1	454.2	453.2	452.3	451.3	450.4	450.1	450.0
122.5°	484.1	484.8	485.7	486.6	486.7	486.2	485.7	485.3	484.7	484.2	483.7
125°	535.2	535.7	536.3	536.8	537.0	536.6	536.2	535.8	535.5	534.7	533.9
127.5°	583.2	584.4	585.7	586.9	587.3	586.9	586.5	586.1	585.7	584.5	583.5
130°	615.2	616.7	618.2	619.7	620.3	619.7	619.1	618.5	617.9	617.2	616.4
132.5°	646.8	648.3	649.9	651.4	651.9	651.5	651.1	650.7	650.2	649.4	648.4
135°	694.7	695.9	697.0	698.2	698.6	698.4	698.3	698.1	697.8	697.2	696.4
137.5°	739.3	740.2	741.1	742.1	742.8	743.3	743.8	744.3	744.8	744.0	743.2
140°	770.2	771.1	772.1	773.0	773.6	773.8	774.0	774.2	774.4	774.2	774.0
142.5°	798.3	799.4	800.3	801.2	801.8	802.2	802.5	802.9	803.2	803.1	802.9
145°	841.8	842.1	842.6	842.9	843.4	844.0	844.6	845.2	845.7	845.5	845.3
147.5°	880.6	881.3	882.0	882.7	883.3	883.8	884.3	884.8	885.5	885.5	885.5
150°	907.1	907.5	907.8	908.3	908.6	909.0	909.4	909.8	910.2	910.2	910.2
152.5°	929.3	929.8	930.3	930.8	931.3	931.5	931.7	931.9	932.2	932.5	932.8
155°	963.5	963.5	963.5	963.5	963.5	963.7	963.9	964.1	964.3	965.1	965.9
157.5°	992.8	992.6	992.3	992.1	992.0	992.2	992.4	992.6	992.6	993.5	994.3
160°	1011.2	1010.8	1010.5	1010.0	1009.9	1009.9	1009.9	1009.9	1009.9	1010.8	1011.8
162.5°	1027.5	1027.0	1026.5	1026.0	1025.8	1025.9	1026.1	1026.2	1026.4	1027.3	1028.3
165°	1048.8	1048.3	1047.7	1047.1	1046.8	1046.8	1046.8	1046.8	1046.8	1047.9	1049.1
167.5°	1065.7	1064.9	1064.1	1063.3	1063.1	1063.2	1063.3	1063.5	1063.7	1064.9	1066.0
170°	1075.3	1074.5	1073.8	1073.0	1072.6	1072.6	1072.6	1072.6	1072.6	1073.9	1075.3
172.5°	1082.9	1082.1	1081.3	1080.6	1080.1	1080.1	1080.1	1080.1	1080.1	1081.3	1082.5
175°	1090.7	1089.9	1089.3	1088.5	1088.0	1088.0	1088.0	1088.0	1088.0	1089.3	1090.4
177.5°	1094.2	1093.6	1093.0	1092.4	1092.0	1092.0	1092.0	1092.0	1092.0	1093.0	1093.9
180°	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	468.6	468.6	468.6	468.6	468.6	468.6	468.6
2.5°	494.3	494.3	494.9	497.3	497.7	499.7	499.1
5°	543.2	547.0	548.5	554.5	558.0	559.6	556.5
7.5°	603.0	613.8	618.9	625.3	630.8	632.5	628.1
10°	646.7	658.0	667.4	673.2	678.6	682.3	686.8
12.5°	688.9	702.7	711.7	719.9	725.5	730.0	730.8
15°	734.8	755.6	771.5	783.2	788.9	791.9	790.7
17.5°	781.0	800.4	811.7	823.5	831.6	832.0	832.2
20°	807.2	826.0	839.1	847.9	857.0	856.5	858.6
22.5°	824.7	839.6	849.5	855.9	859.0	857.5	857.9
25°	832.8	837.3	835.5	825.3	822.6	813.2	814.9
27.5°	790.7	769.8	748.2	720.5	698.5	681.1	681.9
30°	733.4	696.5	654.4	619.1	587.4	578.5	559.6
32.5°	653.3	598.0	548.6	515.7	488.5	481.1	464.7
35°	517.5	463.7	413.0	382.5	370.5	353.6	353.4
37.5°	402.3	354.9	328.1	305.2	293.3	283.0	282.1
40°	338.4	301.5	281.2	264.8	253.0	245.3	243.5
42.5°	293.8	264.0	245.0	234.8	225.7	221.7	218.8
45°	239.9	219.8	206.6	197.4	193.2	190.2	188.6
47.5°	200.7	187.3	178.2	172.0	168.7	165.5	166.3
50°	179.3	168.3	161.7	155.8	153.3	151.0	151.3
52.5°	162.1	152.2	146.9	142.7	139.5	137.8	137.2
55°	137.6	131.4	126.0	123.0	121.1	119.0	118.4
57.5°	117.4	112.5	108.1	104.8	104.3	102.2	102.5
60°	103.9	99.9	96.3	94.5	93.1	91.3	91.9
62.5°	92.8	89.5	86.2	84.7	83.3	82.0	82.2
65°	76.0	72.8	70.8	70.0	69.4	68.8	68.2
67.5°	60.6	58.6	57.3	55.6	54.4	54.2	53.6
70°	51.0	48.3	46.1	43.9	43.3	43.1	43.3
72.5°	40.8	39.2	38.6	37.5	37.4	36.9	37.2
75°	30.7	30.0	29.7	28.8	28.8	28.8	28.8
77.5°	22.6	22.3	22.0	21.9	21.7	21.4	21.4
80°	17.7	17.5	17.0	17.0	16.9	17.0	16.9
82.5°	13.3	13.3	12.9	12.9	12.7	12.6	12.7
85°	6.8	6.6	7.1	6.6	6.8	6.5	6.8
87.5°	6.5	6.6	6.6	6.7	6.6	7.0	6.8
90°	22.9	23.7	24.3	24.6	25.1	25.4	25.7
92.5°	34.9	35.5	35.6	35.4	35.2	35.0	34.7
95°	65.9	66.6	67.1	67.1	67.1	67.1	67.1
97.5°	102.2	103.1	103.4	103.4	103.3	103.2	103.1
100°	128.0	128.6	129.2	129.5	129.8	130.3	130.6
102.5°	158.3	158.9	159.1	159.0	158.9	158.9	158.9
105°	202.9	202.9	203.0	203.4	203.8	204.1	204.6
107.5°	252.3	252.9	253.0	252.9	252.6	252.4	252.2
110°	285.1	285.9	286.0	285.6	285.2	284.9	284.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	317.8	318.7	319.2	319.1	319.0	318.9	318.8
115°	366.7	366.9	366.9	366.7	366.5	366.4	366.1
117.5°	416.6	416.6	416.2	415.7	415.2	414.7	414.1
120°	449.8	449.6	449.3	448.9	448.6	448.2	447.8
122.5°	483.3	482.8	482.2	481.7	481.1	480.6	480.1
125°	533.1	532.4	531.6	530.9	530.1	529.3	528.6
127.5°	582.5	581.3	580.4	579.5	578.6	577.7	576.9
130°	615.6	614.9	613.8	612.5	611.1	609.8	608.5
132.5°	647.6	646.6	645.7	644.6	643.6	642.6	641.5
135°	695.6	694.8	694.2	693.9	693.4	693.1	692.8
137.5°	742.4	741.6	740.8	740.1	739.3	738.7	738.0
140°	773.8	773.6	772.8	771.5	770.2	768.9	767.5
142.5°	802.7	802.5	801.8	800.8	799.8	798.7	797.7
145°	845.2	844.9	844.5	843.7	842.9	842.1	841.4
147.5°	885.5	885.5	884.8	883.7	882.5	881.4	880.3
150°	910.2	910.2	909.6	908.4	907.3	906.1	905.0
152.5°	933.1	933.4	933.1	932.0	931.1	930.1	929.1
155°	966.6	967.3	967.1	965.8	964.4	963.0	961.7
157.5°	995.1	995.9	995.7	994.7	993.6	992.6	991.4
160°	1012.7	1013.7	1013.7	1013.1	1012.3	1011.5	1010.7
162.5°	1029.2	1030.2	1030.0	1028.8	1027.6	1026.4	1025.2
165°	1050.2	1051.4	1051.3	1050.0	1048.6	1047.3	1045.9
167.5°	1067.2	1068.4	1068.4	1067.2	1066.0	1064.9	1063.7
170°	1076.6	1078.0	1078.0	1076.6	1075.3	1073.9	1072.6
172.5°	1083.7	1084.9	1084.9	1083.5	1082.2	1080.8	1079.4
175°	1091.5	1092.7	1092.5	1091.2	1089.9	1088.6	1087.2
177.5°	1094.8	1095.7	1095.6	1094.6	1093.5	1092.4	1091.3
180°	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1	1094.1

(END OF REPORT)