

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: P332253-935

Luminaire Tested: **S123RDIP-S340D805U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332253-935  
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-S340D805U935-4F0-1E-UDD-A1  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 805 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3543.6 lumens  
Efficiency: N/A  
Efficacy: 113.6 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

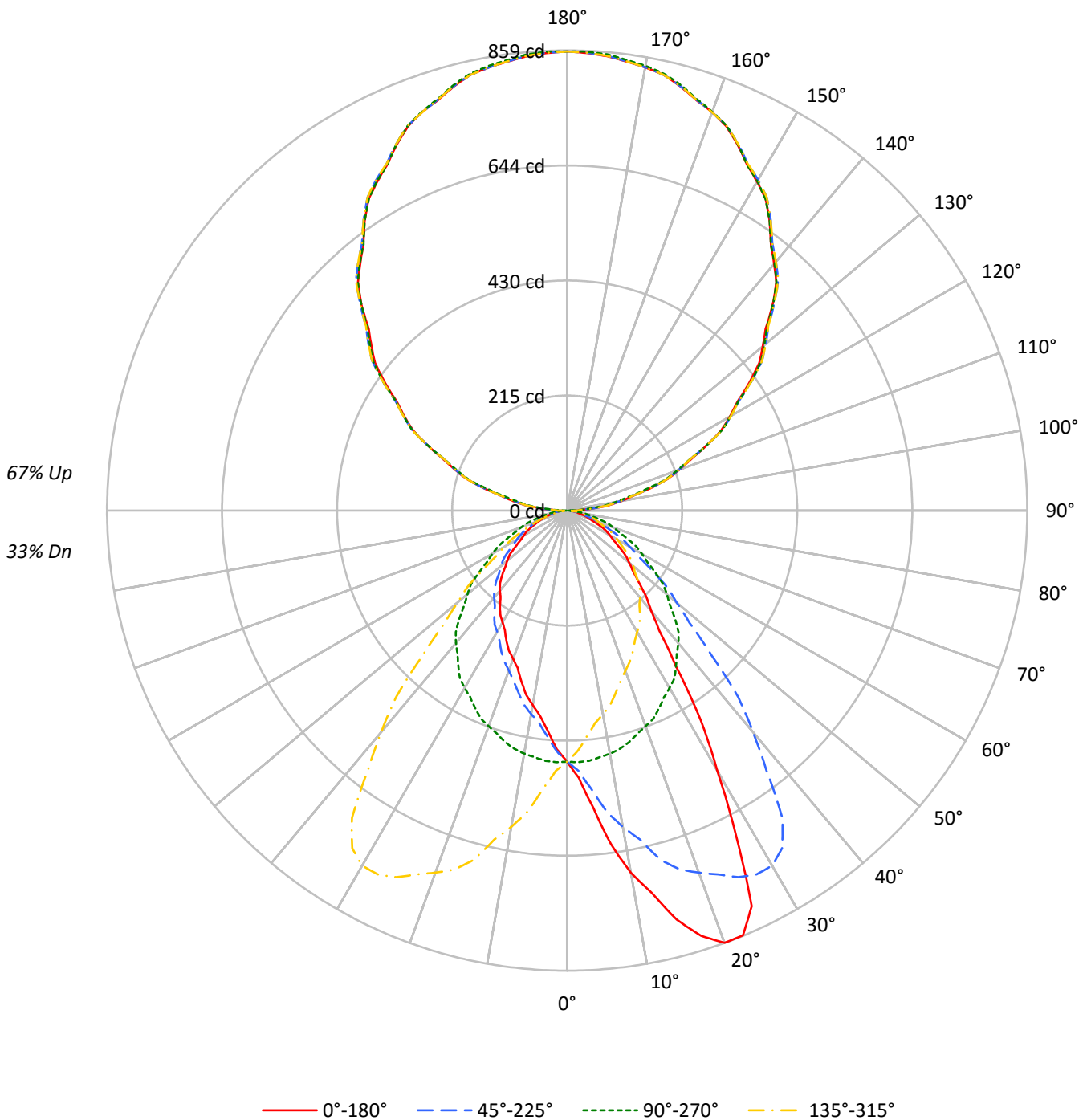
Input Watts (W): 31.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									20									
RC	80									70									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																			
RCR																																														
0	103	103	103	103	93	93	93	93	74	74	74	56	56	56	41	41	41	33																												
1	94	90	87	83	85	82	78	76	65	63	61	50	49	48	36	36	35	29																												
2	86	79	73	69	78	72	67	63	58	54	51	45	42	40	32	31	30	25																												
3	79	70	63	58	71	63	58	53	51	47	44	40	37	35	29	27	26	21																												
4	72	62	55	49	65	56	50	45	46	41	37	36	32	30	26	24	23	19																												
5	66	55	48	42	60	50	44	39	41	36	32	32	29	26	24	22	20	16																												
6	61	50	42	36	55	45	39	34	37	32	28	29	26	23	22	19	18	15																												
7	57	45	37	32	51	41	34	30	33	28	25	26	23	20	20	18	16	13																												
8	52	41	33	28	47	37	31	26	30	26	22	24	21	18	18	16	14	12																												
9	49	37	30	25	44	34	28	23	28	23	20	22	19	16	17	15	13	11																												
10	45	34	27	22	41	31	25	21	26	21	18	21	17	15	16	13	12	10																												

**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	1.3
10°-20°	144.0	4.1
20°-30°	226.2	6.4
30°-40°	236.0	6.7
40°-50°	201.9	5.7
50°-60°	153.9	4.3
60°-70°	98.7	2.8
70°-80°	47.5	1.3
80°-90°	15.1	0.4
90°-100°	55.8	1.6
100°-110°	167.1	4.7
110°-120°	284.2	8.0
120°-130°	373.8	10.5
130°-140°	420.2	11.9
140°-150°	413.0	11.7
150°-160°	347.7	9.8
160°-170°	231.4	6.5
170°-180°	81.0	2.3
0°-30°	416.2	11.7
0°-40°	652.2	18.4
0°-60°	1008.0	28.4
0°-90°	1169.3	33.0
90°-120°	507.1	14.3
90°-150°	1714.1	48.4
90°-180°	2374.0	67.0
0°-180°	3543.6	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	8
90°	20	1	20	1	20	10
95°	52	40	52	40	52	54
105°	160	151	160	151	160	170
115°	287	286	287	286	287	284
125°	414	419	414	419	414	370
135°	543	543	543	543	543	417
145°	659	659	659	659	659	411
155°	753	755	753	755	753	347
165°	819	822	819	822	819	231
175°	852	855	852	855	852	81
180°	857	857	857	857	857	



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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°	5.7	5.9	5.5	5.6	5.6	5.6	5.5	5.4	5.6	5.3	5.1
90°	20.2	19.9	19.6	19.3	19.0	18.5	17.9	17.4	16.8	16.2	14.2
92.5°	27.2	27.4	27.6	27.7	27.9	27.7	27.3	26.8	26.3	25.8	24.7
95°	52.5	52.5	52.5	52.5	52.5	52.2	51.6	51.0	50.5	49.9	48.6
97.5°	80.8	80.8	80.9	80.9	81.0	80.7	80.0	79.3	78.6	77.9	77.1
100°	102.3	102.0	101.7	101.4	101.2	100.7	100.3	99.9	99.4	98.9	98.2
102.5°	124.4	124.5	124.5	124.6	124.7	124.4	124.0	123.6	123.1	122.7	121.7
105°	160.2	159.9	159.6	159.3	159.0	158.9	158.9	158.9	158.9	158.9	157.6
107.5°	197.5	197.7	197.9	198.0	198.2	198.1	197.6	197.1	196.7	196.1	195.6
110°	222.8	223.1	223.4	223.7	224.0	223.9	223.3	222.7	222.1	221.4	221.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	249.8	249.8	249.9	249.9	249.9	249.7	248.9	248.2	247.5	246.8	246.8
115°	286.8	286.9	287.1	287.2	287.4	287.4	287.2	287.1	286.9	286.8	287.1
117.5°	324.3	324.8	325.2	325.6	326.0	326.2	326.2	326.3	326.3	326.3	326.7
120°	350.7	351.0	351.3	351.6	351.9	352.1	352.3	352.4	352.6	352.8	353.5
122.5°	376.0	376.4	376.9	377.3	377.7	378.2	378.5	378.9	379.3	379.7	380.0
125°	414.0	414.6	415.2	415.8	416.4	417.0	417.6	418.2	418.8	419.4	419.7
127.5°	451.9	452.5	453.2	453.9	454.6	455.4	456.2	457.0	457.9	458.7	459.0
130°	476.6	477.7	478.7	479.7	480.8	481.6	482.2	482.8	483.4	484.0	484.5
132.5°	502.5	503.3	504.0	504.9	505.7	506.4	507.1	507.9	508.6	509.3	509.6
135°	542.6	542.9	543.2	543.5	543.8	544.2	544.8	545.4	546.0	546.6	546.7
137.5°	578.0	578.6	579.1	579.7	580.2	580.8	581.5	582.1	582.7	583.3	583.0
140°	601.2	602.2	603.2	604.2	605.4	605.9	606.1	606.2	606.4	606.5	606.4
142.5°	624.8	625.6	626.5	627.2	628.1	628.5	628.7	628.9	629.0	629.1	628.9
145°	659.0	659.6	660.2	660.8	661.4	661.8	661.9	662.1	662.3	662.4	661.9
147.5°	689.5	690.3	691.2	692.2	693.0	693.5	693.5	693.5	693.5	693.5	693.1
150°	708.9	709.7	710.7	711.5	712.5	712.9	712.9	712.9	712.9	712.9	712.6
152.5°	727.7	728.5	729.3	730.0	730.8	731.1	730.8	730.6	730.4	730.1	730.0
155°	753.3	754.3	755.4	756.4	757.4	757.7	757.1	756.5	755.9	755.3	755.2
157.5°	776.5	777.4	778.3	779.1	779.9	780.0	779.4	778.8	778.2	777.5	777.4
160°	791.6	792.2	792.8	793.4	794.0	793.9	793.2	792.5	791.7	791.0	791.0
162.5°	803.0	803.9	804.9	805.8	806.8	806.9	806.2	805.4	804.6	803.9	803.7
165°	819.2	820.3	821.3	822.4	823.5	823.5	822.6	821.7	820.8	819.9	819.9
167.5°	833.1	834.1	835.0	835.9	836.8	836.8	835.9	835.0	834.1	833.1	833.0
170°	840.1	841.2	842.2	843.3	844.3	844.3	843.3	842.2	841.2	840.1	840.1
172.5°	845.5	846.5	847.6	848.6	849.7	849.7	848.9	847.9	847.0	846.0	846.0
175°	851.5	852.6	853.7	854.7	855.7	855.8	854.9	854.0	853.2	852.2	852.2
177.5°	854.8	855.7	856.4	857.3	858.2	858.2	857.5	856.8	856.0	855.3	855.3
180°	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0



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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°	5.0	4.5	4.4	4.0	4.2	4.1	4.7	5.3	5.8	5.4	5.7
90°	12.2	10.3	8.4	6.6	5.2	3.7	2.2	0.7	2.2	3.7	5.2
92.5°	23.7	22.6	21.4	20.3	19.4	18.3	17.3	16.3	17.3	18.3	19.4
95°	47.4	46.2	45.0	43.9	42.9	41.8	40.7	39.7	40.7	41.8	42.9
97.5°	76.2	75.3	74.5	73.7	72.8	72.1	71.3	70.5	71.3	72.1	72.8
100°	97.5	96.7	96.0	95.1	94.3	93.3	92.5	91.5	92.5	93.3	94.3
102.5°	120.7	119.7	118.7	118.0	117.4	116.8	116.3	115.8	116.3	116.8	117.4
105°	156.2	154.8	153.5	152.7	152.4	152.1	151.8	151.4	151.8	152.1	152.4
107.5°	195.1	194.6	194.0	193.6	193.5	193.3	193.1	193.0	193.1	193.3	193.5
110°	220.8	220.6	220.2	220.0	219.6	219.4	219.0	218.8	219.0	219.4	219.6





TEST NUMBER: P332253-935

CATALOG NUMBER: S123RDIP-S340D805U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	246.7	246.6	246.5	246.4	246.2	246.1	245.9	245.7	245.9	246.1	246.2
115°	287.4	287.7	288.0	287.9	287.4	287.0	286.5	286.1	286.5	287.0	287.4
117.5°	327.1	327.5	327.9	328.0	327.6	327.4	327.1	326.7	327.1	327.4	327.6
120°	354.2	355.0	355.8	355.7	354.7	353.9	352.9	352.1	352.9	353.9	354.7
122.5°	380.5	380.8	381.3	381.1	380.4	379.8	379.1	378.5	379.1	379.8	380.4
125°	420.0	420.3	420.6	420.5	420.1	419.6	419.1	418.7	419.1	419.6	420.1
127.5°	459.3	459.7	460.0	459.7	458.7	457.8	456.8	455.9	456.8	457.8	458.7
130°	484.9	485.3	485.8	485.4	484.2	483.0	481.8	480.6	481.8	483.0	484.2
132.5°	510.0	510.3	510.7	510.2	509.0	507.8	506.6	505.4	506.6	507.8	509.0
135°	546.9	547.1	547.3	546.8	546.0	545.0	544.2	543.2	544.2	545.0	546.0
137.5°	582.6	582.2	581.8	581.3	580.5	579.7	579.0	578.2	579.0	579.7	580.5
140°	606.2	606.1	605.9	605.5	604.8	604.0	603.2	602.4	603.2	604.0	604.8
142.5°	628.6	628.4	628.1	627.6	626.8	626.0	625.3	624.6	625.3	626.0	626.8
145°	661.5	661.1	660.6	660.2	660.0	659.6	659.4	659.0	659.4	659.6	660.0
147.5°	692.7	692.2	691.8	691.4	690.8	690.3	689.7	689.2	689.7	690.3	690.8
150°	712.3	712.0	711.7	711.4	711.1	710.8	710.5	710.2	710.5	710.8	711.1
152.5°	729.8	729.6	729.4	729.1	728.7	728.2	727.8	727.5	727.8	728.2	728.7
155°	755.0	754.8	754.7	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6
157.5°	777.3	777.1	777.1	777.1	777.2	777.4	777.6	777.7	777.6	777.4	777.2
160°	791.0	791.0	791.0	791.1	791.4	791.7	792.0	792.3	792.0	791.7	791.4
162.5°	803.7	803.6	803.4	803.6	804.0	804.4	804.9	805.2	804.9	804.4	804.0
165°	819.9	819.9	819.9	820.1	820.6	821.0	821.5	821.9	821.5	821.0	820.6
167.5°	832.8	832.8	832.7	832.8	833.4	834.1	834.7	835.3	834.7	834.1	833.4
170°	840.1	840.1	840.1	840.4	841.0	841.6	842.2	842.8	842.2	841.6	841.0
172.5°	846.0	846.0	846.0	846.4	847.0	847.6	848.2	848.7	848.2	847.6	847.0
175°	852.2	852.2	852.2	852.6	853.2	853.8	854.3	854.9	854.3	853.8	853.2
177.5°	855.3	855.3	855.3	855.6	856.0	856.5	857.0	857.5	857.0	856.5	856.0
180°	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0



TEST NUMBER: P332253-935

CATALOG NUMBER: S123RDIP-S340D805U935-4F0-1E-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°	5.9	6.6	7.2	7.7	8.3	8.5	8.8	9.0	9.2	9.3	9.4
90°	6.6	8.4	10.3	12.2	14.2	16.2	16.8	17.4	17.9	18.5	19.0
92.5°	20.3	21.4	22.6	23.7	24.7	25.8	26.3	26.8	27.3	27.7	27.9
95°	43.9	45.0	46.2	47.4	48.6	49.9	50.5	51.0	51.6	52.2	52.5
97.5°	73.7	74.5	75.3	76.2	77.1	77.9	78.6	79.3	80.0	80.7	81.0
100°	95.1	96.0	96.7	97.5	98.2	98.9	99.4	99.9	100.3	100.7	101.2
102.5°	118.0	118.7	119.7	120.7	121.7	122.7	123.1	123.6	124.0	124.4	124.7
105°	152.7	153.5	154.8	156.2	157.6	158.9	158.9	158.9	158.9	158.9	159.0
107.5°	193.6	194.0	194.6	195.1	195.6	196.1	196.7	197.1	197.6	198.1	198.2
110°	220.0	220.2	220.6	220.8	221.2	221.4	222.1	222.7	223.3	223.9	224.0



TEST NUMBER: P332253-935

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	246.4	246.5	246.6	246.7	246.8	246.8	247.5	248.2	248.9	249.7	249.9
115°	287.9	288.0	287.7	287.4	287.1	286.8	286.9	287.1	287.2	287.4	287.4
117.5°	328.0	327.9	327.5	327.1	326.7	326.3	326.3	326.3	326.2	326.2	326.0
120°	355.7	355.8	355.0	354.2	353.5	352.8	352.6	352.4	352.3	352.1	351.9
122.5°	381.1	381.3	380.8	380.5	380.0	379.7	379.3	378.9	378.5	378.2	377.7
125°	420.5	420.6	420.3	420.0	419.7	419.4	418.8	418.2	417.6	417.0	416.4
127.5°	459.7	460.0	459.7	459.3	459.0	458.7	457.9	457.0	456.2	455.4	454.6
130°	485.4	485.8	485.3	484.9	484.5	484.0	483.4	482.8	482.2	481.6	480.8
132.5°	510.2	510.7	510.3	510.0	509.6	509.3	508.6	507.9	507.1	506.4	505.7
135°	546.8	547.3	547.1	546.9	546.7	546.6	546.0	545.4	544.8	544.2	543.8
137.5°	581.3	581.8	582.2	582.6	583.0	583.3	582.7	582.1	581.5	580.8	580.2
140°	605.5	605.9	606.1	606.2	606.4	606.5	606.4	606.2	606.1	605.9	605.4
142.5°	627.6	628.1	628.4	628.6	628.9	629.1	629.0	628.9	628.7	628.5	628.1
145°	660.2	660.6	661.1	661.5	661.9	662.4	662.3	662.1	661.9	661.8	661.4
147.5°	691.4	691.8	692.2	692.7	693.1	693.5	693.5	693.5	693.5	693.5	693.0
150°	711.4	711.7	712.0	712.3	712.6	712.9	712.9	712.9	712.9	712.9	712.5
152.5°	729.1	729.4	729.6	729.8	730.0	730.1	730.4	730.6	730.8	731.1	730.8
155°	754.6	754.7	754.8	755.0	755.2	755.3	755.9	756.5	757.1	757.7	757.4
157.5°	777.1	777.1	777.1	777.3	777.4	777.5	778.2	778.8	779.4	780.0	779.9
160°	791.1	791.0	791.0	791.0	791.0	791.0	791.7	792.5	793.2	793.9	794.0
162.5°	803.6	803.4	803.6	803.7	803.7	803.9	804.6	805.4	806.2	806.9	806.8
165°	820.1	819.9	819.9	819.9	819.9	819.9	820.8	821.7	822.6	823.5	823.5
167.5°	832.8	832.7	832.8	832.8	833.0	833.1	834.1	835.0	835.9	836.8	836.8
170°	840.4	840.1	840.1	840.1	840.1	840.1	841.2	842.2	843.3	844.3	844.3
172.5°	846.4	846.0	846.0	846.0	846.0	846.0	847.0	847.9	848.9	849.7	849.7
175°	852.6	852.2	852.2	852.2	852.2	852.2	853.2	854.0	854.9	855.8	855.7
177.5°	855.6	855.3	855.3	855.3	855.3	855.3	856.0	856.8	857.5	858.2	858.2
180°	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0



TEST NUMBER: P332253-935

CATALOG NUMBER: S123RDIP-S340D805U935-4F0-1E-UDD-A1

**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°	9.8	9.6	9.6	9.8	9.6	9.6	9.8	9.4	9.3	9.2	9.0
90°	19.3	19.6	19.9	20.2	19.9	19.6	19.3	19.0	18.5	17.9	17.4
92.5°	27.7	27.6	27.4	27.2	27.4	27.6	27.7	27.9	27.7	27.3	26.8
95°	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.2	51.6	51.0
97.5°	80.9	80.9	80.8	80.8	80.8	80.9	80.9	81.0	80.7	80.0	79.3
100°	101.4	101.7	102.0	102.3	102.0	101.7	101.4	101.2	100.7	100.3	99.9
102.5°	124.6	124.5	124.5	124.4	124.5	124.5	124.6	124.7	124.4	124.0	123.6
105°	159.3	159.6	159.9	160.2	159.9	159.6	159.3	159.0	158.9	158.9	158.9
107.5°	198.0	197.9	197.7	197.5	197.7	197.9	198.0	198.2	198.1	197.6	197.1
110°	223.7	223.4	223.1	222.8	223.1	223.4	223.7	224.0	223.9	223.3	222.7



TEST NUMBER: P332253-935

CATALOG NUMBER: S123RDIP-S340D805U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	249.9	249.9	249.8	249.8	249.8	249.9	249.9	249.9	249.7	248.9	248.2
115°	287.2	287.1	286.9	286.8	286.9	287.1	287.2	287.4	287.4	287.2	287.1
117.5°	325.6	325.2	324.8	324.3	324.8	325.2	325.6	326.0	326.2	326.2	326.3
120°	351.6	351.3	351.0	350.7	351.0	351.3	351.6	351.9	352.1	352.3	352.4
122.5°	377.3	376.9	376.4	376.0	376.4	376.9	377.3	377.7	378.2	378.5	378.9
125°	415.8	415.2	414.6	414.0	414.6	415.2	415.8	416.4	417.0	417.6	418.2
127.5°	453.9	453.2	452.5	451.9	452.5	453.2	453.9	454.6	455.4	456.2	457.0
130°	479.7	478.7	477.7	476.6	477.7	478.7	479.7	480.8	481.6	482.2	482.8
132.5°	504.9	504.0	503.3	502.5	503.3	504.0	504.9	505.7	506.4	507.1	507.9
135°	543.5	543.2	542.9	542.6	542.9	543.2	543.5	543.8	544.2	544.8	545.4
137.5°	579.7	579.1	578.6	578.0	578.6	579.1	579.7	580.2	580.8	581.5	582.1
140°	604.2	603.2	602.2	601.2	602.2	603.2	604.2	605.4	605.9	606.1	606.2
142.5°	627.2	626.5	625.6	624.8	625.6	626.5	627.2	628.1	628.5	628.7	628.9
145°	660.8	660.2	659.6	659.0	659.6	660.2	660.8	661.4	661.8	661.9	662.1
147.5°	692.2	691.2	690.3	689.5	690.3	691.2	692.2	693.0	693.5	693.5	693.5
150°	711.5	710.7	709.7	708.9	709.7	710.7	711.5	712.5	712.9	712.9	712.9
152.5°	730.0	729.3	728.5	727.7	728.5	729.3	730.0	730.8	731.1	730.8	730.6
155°	756.4	755.4	754.3	753.3	754.3	755.4	756.4	757.4	757.7	757.1	756.5
157.5°	779.1	778.3	777.4	776.5	777.4	778.3	779.1	779.9	780.0	779.4	778.8
160°	793.4	792.8	792.2	791.6	792.2	792.8	793.4	794.0	793.9	793.2	792.5
162.5°	805.8	804.9	803.9	803.0	803.9	804.9	805.8	806.8	806.9	806.2	805.4
165°	822.4	821.3	820.3	819.2	820.3	821.3	822.4	823.5	823.5	822.6	821.7
167.5°	835.9	835.0	834.1	833.1	834.1	835.0	835.9	836.8	836.8	835.9	835.0
170°	843.3	842.2	841.2	840.1	841.2	842.2	843.3	844.3	844.3	843.3	842.2
172.5°	848.6	847.6	846.5	845.5	846.5	847.6	848.6	849.7	849.7	848.9	847.9
175°	854.7	853.7	852.6	851.5	852.6	853.7	854.7	855.7	855.8	854.9	854.0
177.5°	857.3	856.4	855.7	854.8	855.7	856.4	857.3	858.2	858.2	857.5	856.8
180°	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0



TEST NUMBER: P332253-935

CATALOG NUMBER: S123RDIP-S340D805U935-4F0-1E-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°	8.8	8.5	8.3	7.7	7.2	6.6	5.9	5.7	5.4	5.8	5.3
90°	16.8	16.2	14.2	12.2	10.3	8.4	6.6	5.2	3.7	2.2	0.7
92.5°	26.3	25.8	24.7	23.7	22.6	21.4	20.3	19.4	18.3	17.3	16.3
95°	50.5	49.9	48.6	47.4	46.2	45.0	43.9	42.9	41.8	40.7	39.7
97.5°	78.6	77.9	77.1	76.2	75.3	74.5	73.7	72.8	72.1	71.3	70.5
100°	99.4	98.9	98.2	97.5	96.7	96.0	95.1	94.3	93.3	92.5	91.5
102.5°	123.1	122.7	121.7	120.7	119.7	118.7	118.0	117.4	116.8	116.3	115.8
105°	158.9	158.9	157.6	156.2	154.8	153.5	152.7	152.4	152.1	151.8	151.4
107.5°	196.7	196.1	195.6	195.1	194.6	194.0	193.6	193.5	193.3	193.1	193.0
110°	222.1	221.4	221.2	220.8	220.6	220.2	220.0	219.6	219.4	219.0	218.8



TEST NUMBER: P332253-935

CATALOG NUMBER: S123RDIP-S340D805U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	247.5	246.8	246.8	246.7	246.6	246.5	246.4	246.2	246.1	245.9	245.7
115°	286.9	286.8	287.1	287.4	287.7	288.0	287.9	287.4	287.0	286.5	286.1
117.5°	326.3	326.3	326.7	327.1	327.5	327.9	328.0	327.6	327.4	327.1	326.7
120°	352.6	352.8	353.5	354.2	355.0	355.8	355.7	354.7	353.9	352.9	352.1
122.5°	379.3	379.7	380.0	380.5	380.8	381.3	381.1	380.4	379.8	379.1	378.5
125°	418.8	419.4	419.7	420.0	420.3	420.6	420.5	420.1	419.6	419.1	418.7
127.5°	457.9	458.7	459.0	459.3	459.7	460.0	459.7	458.7	457.8	456.8	455.9
130°	483.4	484.0	484.5	484.9	485.3	485.8	485.4	484.2	483.0	481.8	480.6
132.5°	508.6	509.3	509.6	510.0	510.3	510.7	510.2	509.0	507.8	506.6	505.4
135°	546.0	546.6	546.7	546.9	547.1	547.3	546.8	546.0	545.0	544.2	543.2
137.5°	582.7	583.3	583.0	582.6	582.2	581.8	581.3	580.5	579.7	579.0	578.2
140°	606.4	606.5	606.4	606.2	606.1	605.9	605.5	604.8	604.0	603.2	602.4
142.5°	629.0	629.1	628.9	628.6	628.4	628.1	627.6	626.8	626.0	625.3	624.6
145°	662.3	662.4	661.9	661.5	661.1	660.6	660.2	660.0	659.6	659.4	659.0
147.5°	693.5	693.5	693.1	692.7	692.2	691.8	691.4	690.8	690.3	689.7	689.2
150°	712.9	712.9	712.6	712.3	712.0	711.7	711.4	711.1	710.8	710.5	710.2
152.5°	730.4	730.1	730.0	729.8	729.6	729.4	729.1	728.7	728.2	727.8	727.5
155°	755.9	755.3	755.2	755.0	754.8	754.7	754.6	754.6	754.6	754.6	754.6
157.5°	778.2	777.5	777.4	777.3	777.1	777.1	777.1	777.2	777.4	777.6	777.7
160°	791.7	791.0	791.0	791.0	791.0	791.0	791.1	791.4	791.7	792.0	792.3
162.5°	804.6	803.9	803.7	803.7	803.6	803.4	803.6	804.0	804.4	804.9	805.2
165°	820.8	819.9	819.9	819.9	819.9	819.9	820.1	820.6	821.0	821.5	821.9
167.5°	834.1	833.1	833.0	832.8	832.8	832.7	832.8	833.4	834.1	834.7	835.3
170°	841.2	840.1	840.1	840.1	840.1	840.1	840.4	841.0	841.6	842.2	842.8
172.5°	847.0	846.0	846.0	846.0	846.0	846.0	846.4	847.0	847.6	848.2	848.7
175°	853.2	852.2	852.2	852.2	852.2	852.2	852.6	853.2	853.8	854.3	854.9
177.5°	856.0	855.3	855.3	855.3	855.3	855.3	855.6	856.0	856.5	857.0	857.5
180°	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0



TEST NUMBER: P332253-935

CATALOG NUMBER: S123RDIP-S340D805U935-4F0-1E-UDD-A1

**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°	4.7	4.1	4.2	4.0	4.4	4.5	5.0	5.1	5.3	5.6	5.4
90°	2.2	3.7	5.2	6.6	8.4	10.3	12.2	14.2	16.2	16.8	17.4
92.5°	17.3	18.3	19.4	20.3	21.4	22.6	23.7	24.7	25.8	26.3	26.8
95°	40.7	41.8	42.9	43.9	45.0	46.2	47.4	48.6	49.9	50.5	51.0
97.5°	71.3	72.1	72.8	73.7	74.5	75.3	76.2	77.1	77.9	78.6	79.3
100°	92.5	93.3	94.3	95.1	96.0	96.7	97.5	98.2	98.9	99.4	99.9
102.5°	116.3	116.8	117.4	118.0	118.7	119.7	120.7	121.7	122.7	123.1	123.6
105°	151.8	152.1	152.4	152.7	153.5	154.8	156.2	157.6	158.9	158.9	158.9
107.5°	193.1	193.3	193.5	193.6	194.0	194.6	195.1	195.6	196.1	196.7	197.1
110°	219.0	219.4	219.6	220.0	220.2	220.6	220.8	221.2	221.4	222.1	222.7





TEST NUMBER: P332253-935

CATALOG NUMBER: S123RDIP-S340D805U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	245.9	246.1	246.2	246.4	246.5	246.6	246.7	246.8	246.8	247.5	248.2
115°	286.5	287.0	287.4	287.9	288.0	287.7	287.4	287.1	286.8	286.9	287.1
117.5°	327.1	327.4	327.6	328.0	327.9	327.5	327.1	326.7	326.3	326.3	326.3
120°	352.9	353.9	354.7	355.7	355.8	355.0	354.2	353.5	352.8	352.6	352.4
122.5°	379.1	379.8	380.4	381.1	381.3	380.8	380.5	380.0	379.7	379.3	378.9
125°	419.1	419.6	420.1	420.5	420.6	420.3	420.0	419.7	419.4	418.8	418.2
127.5°	456.8	457.8	458.7	459.7	460.0	459.7	459.3	459.0	458.7	457.9	457.0
130°	481.8	483.0	484.2	485.4	485.8	485.3	484.9	484.5	484.0	483.4	482.8
132.5°	506.6	507.8	509.0	510.2	510.7	510.3	510.0	509.6	509.3	508.6	507.9
135°	544.2	545.0	546.0	546.8	547.3	547.1	546.9	546.7	546.6	546.0	545.4
137.5°	579.0	579.7	580.5	581.3	581.8	582.2	582.6	583.0	583.3	582.7	582.1
140°	603.2	604.0	604.8	605.5	605.9	606.1	606.2	606.4	606.5	606.4	606.2
142.5°	625.3	626.0	626.8	627.6	628.1	628.4	628.6	628.9	629.1	629.0	628.9
145°	659.4	659.6	660.0	660.2	660.6	661.1	661.5	661.9	662.4	662.3	662.1
147.5°	689.7	690.3	690.8	691.4	691.8	692.2	692.7	693.1	693.5	693.5	693.5
150°	710.5	710.8	711.1	711.4	711.7	712.0	712.3	712.6	712.9	712.9	712.9
152.5°	727.8	728.2	728.7	729.1	729.4	729.6	729.8	730.0	730.1	730.4	730.6
155°	754.6	754.6	754.6	754.6	754.7	754.8	755.0	755.2	755.3	755.9	756.5
157.5°	777.6	777.4	777.2	777.1	777.1	777.1	777.3	777.4	777.5	778.2	778.8
160°	792.0	791.7	791.4	791.1	791.0	791.0	791.0	791.0	791.0	791.7	792.5
162.5°	804.9	804.4	804.0	803.6	803.4	803.6	803.7	803.7	803.9	804.6	805.4
165°	821.5	821.0	820.6	820.1	819.9	819.9	819.9	819.9	819.9	820.8	821.7
167.5°	834.7	834.1	833.4	832.8	832.7	832.8	832.8	833.0	833.1	834.1	835.0
170°	842.2	841.6	841.0	840.4	840.1	840.1	840.1	840.1	840.1	841.2	842.2
172.5°	848.2	847.6	847.0	846.4	846.0	846.0	846.0	846.0	846.0	847.0	847.9
175°	854.3	853.8	853.2	852.6	852.2	852.2	852.2	852.2	852.2	853.2	854.0
177.5°	857.0	856.5	856.0	855.6	855.3	855.3	855.3	855.3	855.3	856.0	856.8
180°	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0



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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°	5.5	5.6	5.6	5.6	5.5	5.9	5.7
90°	17.9	18.5	19.0	19.3	19.6	19.9	20.2
92.5°	27.3	27.7	27.9	27.7	27.6	27.4	27.2
95°	51.6	52.2	52.5	52.5	52.5	52.5	52.5
97.5°	80.0	80.7	81.0	80.9	80.9	80.8	80.8
100°	100.3	100.7	101.2	101.4	101.7	102.0	102.3
102.5°	124.0	124.4	124.7	124.6	124.5	124.5	124.4
105°	158.9	158.9	159.0	159.3	159.6	159.9	160.2
107.5°	197.6	198.1	198.2	198.0	197.9	197.7	197.5
110°	223.3	223.9	224.0	223.7	223.4	223.1	222.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	248.9	249.7	249.9	249.9	249.9	249.8	249.8
115°	287.2	287.4	287.4	287.2	287.1	286.9	286.8
117.5°	326.2	326.2	326.0	325.6	325.2	324.8	324.3
120°	352.3	352.1	351.9	351.6	351.3	351.0	350.7
122.5°	378.5	378.2	377.7	377.3	376.9	376.4	376.0
125°	417.6	417.0	416.4	415.8	415.2	414.6	414.0
127.5°	456.2	455.4	454.6	453.9	453.2	452.5	451.9
130°	482.2	481.6	480.8	479.7	478.7	477.7	476.6
132.5°	507.1	506.4	505.7	504.9	504.0	503.3	502.5
135°	544.8	544.2	543.8	543.5	543.2	542.9	542.6
137.5°	581.5	580.8	580.2	579.7	579.1	578.6	578.0
140°	606.1	605.9	605.4	604.2	603.2	602.2	601.2
142.5°	628.7	628.5	628.1	627.2	626.5	625.6	624.8
145°	661.9	661.8	661.4	660.8	660.2	659.6	659.0
147.5°	693.5	693.5	693.0	692.2	691.2	690.3	689.5
150°	712.9	712.9	712.5	711.5	710.7	709.7	708.9
152.5°	730.8	731.1	730.8	730.0	729.3	728.5	727.7
155°	757.1	757.7	757.4	756.4	755.4	754.3	753.3
157.5°	779.4	780.0	779.9	779.1	778.3	777.4	776.5
160°	793.2	793.9	794.0	793.4	792.8	792.2	791.6
162.5°	806.2	806.9	806.8	805.8	804.9	803.9	803.0
165°	822.6	823.5	823.5	822.4	821.3	820.3	819.2
167.5°	835.9	836.8	836.8	835.9	835.0	834.1	833.1
170°	843.3	844.3	844.3	843.3	842.2	841.2	840.1
172.5°	848.9	849.7	849.7	848.6	847.6	846.5	845.5
175°	854.9	855.8	855.7	854.7	853.7	852.6	851.5
177.5°	857.5	858.2	858.2	857.3	856.4	855.7	854.8
180°	857.0	857.0	857.0	857.0	857.0	857.0	857.0

(END OF REPORT)