

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: P332241-935

Luminaire Tested: **S123RDIP-S340D365U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332241-935
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-S340D365U935-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 365 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2241.0 lumens
Efficiency: N/A
Efficacy: 110.4 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: General Diffuse

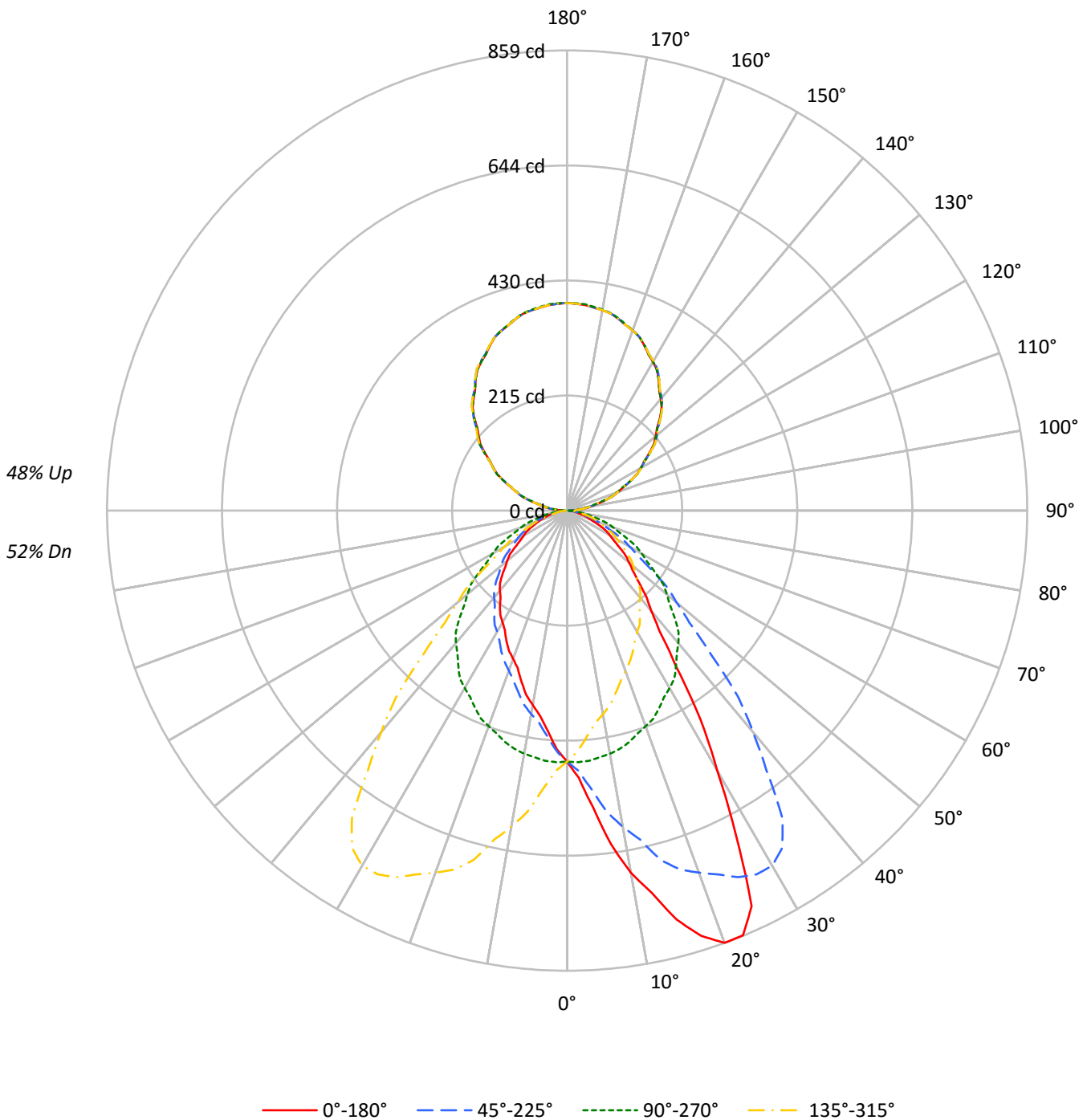
Input Watts (W): 20.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332241-935

CATALOG NUMBER: S123RDIP-S340D365U935-4F0-1E-UDD-A1

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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	58	58	58	52
1	99	95	91	88	91	88	85	82	75	73	71	63	62	60	52	51	50	45
2	91	83	78	73	84	78	72	68	66	63	59	56	54	51	47	45	43	39
3	83	74	67	61	77	69	63	58	59	55	51	50	47	44	42	40	37	34
4	76	66	58	52	70	61	55	49	53	48	44	45	41	38	38	35	33	29
5	70	59	51	45	65	55	48	43	48	42	38	41	37	33	34	31	29	26
6	65	53	45	40	60	50	43	38	43	38	34	37	33	30	31	28	26	23
7	60	48	40	35	56	45	38	33	39	34	30	34	30	26	29	26	23	21
8	56	44	36	31	52	41	34	30	36	30	27	31	27	24	27	23	21	19
9	52	40	33	28	48	38	31	26	33	28	24	29	24	21	25	21	19	17
10	49	37	30	25	45	35	28	24	30	25	22	27	22	19	23	20	17	15

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



TEST NUMBER: P332241-935

CATALOG NUMBER: S123RDIP-S340D365U935-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.1	2.1
10°-20°	144.0	6.4
20°-30°	226.2	10.1
30°-40°	236.0	10.5
40°-50°	201.9	9.0
50°-60°	153.9	6.9
60°-70°	98.7	4.4
70°-80°	47.5	2.1
80°-90°	13.7	0.6
90°-100°	25.2	1.1
100°-110°	75.5	3.4
110°-120°	128.5	5.7
120°-130°	169.0	7.5
130°-140°	189.9	8.5
140°-150°	186.7	8.3
150°-160°	157.2	7.0
160°-170°	104.6	4.7
170°-180°	36.6	1.6
0°-30°	416.2	18.6
0°-40°	652.2	29.1
0°-60°	1008.0	45.0
0°-90°	1167.9	52.1
90°-120°	229.2	10.2
90°-150°	774.8	34.6
90°-180°	1073.0	47.9
0°-180°	2241.0	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°	9	0	9	0	9	5
95°	24	18	24	18	24	24
105°	72	68	72	68	72	77
115°	130	129	130	129	130	128
125°	187	189	187	189	187	167
135°	245	246	245	246	245	189
145°	298	298	298	298	298	186
155°	340	341	340	341	340	157
165°	370	372	370	372	370	104
175°	385	386	385	386	385	37
180°	387	387	387	387	387	



TEST NUMBER: P332241-935

CATALOG NUMBER: S123RDIP-S340D365U935-4F0-1E-UDD-A1

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°	3.4	3.7	3.4	3.5	3.4	3.6	3.5	3.5	3.8	3.5	3.5
90°	9.1	9.0	8.9	8.7	8.6	8.4	8.1	7.8	7.6	7.3	6.5
92.5°	12.3	12.4	12.5	12.6	12.7	12.6	12.3	12.1	11.9	11.7	11.2
95°	23.8	23.8	23.8	23.8	23.8	23.6	23.3	23.1	22.8	22.6	22.0
97.5°	36.5	36.5	36.6	36.6	36.6	36.5	36.2	35.8	35.6	35.2	34.9
100°	46.2	46.1	46.0	45.8	45.7	45.5	45.4	45.1	44.9	44.7	44.4
102.5°	56.2	56.2	56.3	56.3	56.3	56.2	56.1	55.9	55.6	55.4	55.0
105°	72.4	72.3	72.2	72.0	71.9	71.8	71.8	71.8	71.8	71.8	71.2
107.5°	89.3	89.4	89.5	89.5	89.6	89.5	89.3	89.1	88.9	88.7	88.4
110°	100.7	100.8	101.0	101.1	101.3	101.2	100.9	100.7	100.4	100.1	100.0



TEST NUMBER: P332241-935

CATALOG NUMBER: S123RDIP-S340D365U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	112.9	112.9	113.0	113.0	113.0	112.9	112.5	112.2	111.8	111.6	111.5
115°	129.6	129.7	129.8	129.8	129.9	129.9	129.8	129.8	129.7	129.6	129.8
117.5°	146.6	146.8	147.0	147.1	147.3	147.5	147.5	147.5	147.5	147.5	147.7
120°	158.5	158.7	158.8	158.9	159.0	159.2	159.2	159.3	159.4	159.5	159.8
122.5°	170.0	170.1	170.3	170.6	170.7	170.9	171.1	171.3	171.4	171.6	171.8
125°	187.1	187.4	187.7	188.0	188.2	188.5	188.7	189.0	189.2	189.6	189.7
127.5°	204.2	204.6	204.8	205.2	205.4	205.8	206.2	206.6	207.0	207.3	207.5
130°	215.4	215.9	216.4	216.9	217.3	217.7	217.9	218.3	218.5	218.8	219.0
132.5°	227.1	227.5	227.8	228.2	228.6	228.9	229.2	229.5	229.9	230.2	230.3
135°	245.2	245.4	245.5	245.6	245.8	246.0	246.2	246.5	246.8	247.1	247.1
137.5°	261.2	261.5	261.7	262.0	262.3	262.5	262.9	263.1	263.4	263.6	263.5
140°	271.7	272.2	272.7	273.1	273.6	273.9	274.0	274.0	274.1	274.1	274.1
142.5°	282.4	282.8	283.2	283.5	283.9	284.1	284.1	284.2	284.3	284.4	284.2
145°	297.9	298.2	298.4	298.7	298.9	299.1	299.2	299.3	299.4	299.4	299.2
147.5°	311.6	312.0	312.5	312.9	313.2	313.5	313.5	313.5	313.5	313.5	313.2
150°	320.4	320.8	321.2	321.6	322.0	322.2	322.2	322.2	322.2	322.2	322.1
152.5°	328.9	329.2	329.6	329.9	330.3	330.5	330.4	330.2	330.1	330.0	329.9
155°	340.4	341.0	341.4	341.9	342.3	342.5	342.2	341.9	341.6	341.4	341.3
157.5°	351.0	351.4	351.8	352.1	352.5	352.6	352.3	352.0	351.7	351.5	351.4
160°	357.8	358.1	358.3	358.6	358.9	358.9	358.5	358.2	357.8	357.5	357.5
162.5°	362.9	363.3	363.8	364.2	364.6	364.7	364.4	364.0	363.7	363.3	363.3
165°	370.3	370.7	371.3	371.7	372.2	372.2	371.8	371.4	371.0	370.6	370.6
167.5°	376.6	376.9	377.4	377.8	378.2	378.2	377.8	377.4	376.9	376.6	376.5
170°	379.7	380.2	380.6	381.2	381.6	381.6	381.2	380.6	380.2	379.7	379.7
172.5°	382.2	382.6	383.1	383.6	384.1	384.1	383.7	383.2	382.8	382.4	382.4
175°	384.9	385.4	385.8	386.3	386.8	386.8	386.4	386.0	385.6	385.2	385.2
177.5°	386.3	386.8	387.1	387.5	387.9	387.9	387.5	387.3	386.9	386.6	386.6
180°	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4



TEST NUMBER: P332241-935

CATALOG NUMBER: S123RDIP-S340D365U935-4F0-1E-UDD-A1

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°	3.7	3.4	3.4	3.4	3.7	3.7	4.6	5.2	5.5	5.0	5.1
90°	5.5	4.6	3.8	3.0	2.3	1.6	0.9	0.3	0.9	1.6	2.3
92.5°	10.7	10.2	9.6	9.2	8.8	8.3	7.8	7.4	7.8	8.3	8.8
95°	21.4	20.9	20.3	19.8	19.4	18.9	18.4	18.0	18.4	18.9	19.4
97.5°	34.4	34.1	33.7	33.3	33.0	32.6	32.2	31.9	32.2	32.6	33.0
100°	44.1	43.7	43.4	43.0	42.6	42.2	41.8	41.4	41.8	42.2	42.6
102.5°	54.6	54.1	53.6	53.3	53.0	52.8	52.6	52.3	52.6	52.8	53.0
105°	70.6	70.0	69.4	69.0	68.9	68.7	68.6	68.4	68.6	68.7	68.9
107.5°	88.2	87.9	87.6	87.6	87.5	87.4	87.3	87.2	87.3	87.4	87.5
110°	99.9	99.7	99.5	99.4	99.3	99.2	99.0	98.9	99.0	99.2	99.3



TEST NUMBER: P332241-935

CATALOG NUMBER: S123RDIP-S340D365U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	111.5	111.5	111.4	111.4	111.3	111.2	111.2	111.1	111.2	111.2	111.3
115°	129.9	130.0	130.2	130.1	129.9	129.8	129.5	129.3	129.5	129.8	129.9
117.5°	147.8	148.0	148.2	148.3	148.1	148.0	147.8	147.7	147.8	148.0	148.1
120°	160.1	160.5	160.7	160.7	160.3	160.0	159.5	159.1	159.5	160.0	160.3
122.5°	171.9	172.1	172.3	172.3	171.9	171.7	171.3	171.1	171.3	171.7	171.9
125°	189.9	189.9	190.1	190.1	189.9	189.7	189.4	189.2	189.4	189.7	189.9
127.5°	207.6	207.8	207.9	207.8	207.3	206.9	206.5	206.0	206.5	206.9	207.3
130°	219.2	219.4	219.6	219.4	218.9	218.3	217.7	217.2	217.7	218.3	218.9
132.5°	230.5	230.7	230.8	230.6	230.1	229.5	229.0	228.4	229.0	229.5	230.1
135°	247.2	247.3	247.4	247.2	246.8	246.3	246.0	245.6	246.0	246.3	246.8
137.5°	263.3	263.1	262.9	262.7	262.3	262.0	261.7	261.4	261.7	262.0	262.3
140°	274.0	274.0	273.9	273.7	273.4	273.0	272.7	272.3	272.7	273.0	273.4
142.5°	284.1	284.0	283.9	283.6	283.4	283.0	282.7	282.3	282.7	283.0	283.4
145°	299.0	298.8	298.6	298.4	298.3	298.2	298.0	297.9	298.0	298.2	298.3
147.5°	313.1	312.9	312.7	312.5	312.3	312.0	311.8	311.5	311.8	312.0	312.3
150°	321.9	321.8	321.7	321.6	321.4	321.2	321.2	321.0	321.2	321.2	321.4
152.5°	329.8	329.8	329.7	329.6	329.3	329.2	329.0	328.8	329.0	329.2	329.3
155°	341.2	341.2	341.1	341.1	341.1	341.1	341.1	341.1	341.1	341.1	341.1
157.5°	351.3	351.3	351.2	351.2	351.3	351.4	351.5	351.5	351.5	351.4	351.3
160°	357.5	357.5	357.5	357.6	357.7	357.8	358.0	358.1	358.0	357.8	357.7
162.5°	363.3	363.2	363.2	363.2	363.4	363.6	363.8	363.9	363.8	363.6	363.4
165°	370.6	370.6	370.6	370.7	370.9	371.1	371.3	371.5	371.3	371.1	370.9
167.5°	376.4	376.4	376.3	376.4	376.7	377.0	377.3	377.5	377.3	377.0	376.7
170°	379.7	379.7	379.7	379.9	380.1	380.4	380.6	380.9	380.6	380.4	380.1
172.5°	382.4	382.4	382.4	382.5	382.8	383.1	383.3	383.7	383.3	383.1	382.8
175°	385.2	385.2	385.2	385.4	385.6	385.9	386.2	386.4	386.2	385.9	385.6
177.5°	386.6	386.6	386.6	386.7	386.9	387.1	387.4	387.5	387.4	387.1	386.9
180°	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4



TEST NUMBER: P332241-935

CATALOG NUMBER: S123RDIP-S340D365U935-4F0-1E-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°	5.1	5.8	6.0	6.4	6.7	6.7	7.0	7.1	7.2	7.3	7.3
90°	3.0	3.8	4.6	5.5	6.5	7.3	7.6	7.8	8.1	8.4	8.6
92.5°	9.2	9.6	10.2	10.7	11.2	11.7	11.9	12.1	12.3	12.6	12.7
95°	19.8	20.3	20.9	21.4	22.0	22.6	22.8	23.1	23.3	23.6	23.8
97.5°	33.3	33.7	34.1	34.4	34.9	35.2	35.6	35.8	36.2	36.5	36.6
100°	43.0	43.4	43.7	44.1	44.4	44.7	44.9	45.1	45.4	45.5	45.7
102.5°	53.3	53.6	54.1	54.6	55.0	55.4	55.6	55.9	56.1	56.2	56.3
105°	69.0	69.4	70.0	70.6	71.2	71.8	71.8	71.8	71.8	71.8	71.9
107.5°	87.6	87.6	87.9	88.2	88.4	88.7	88.9	89.1	89.3	89.5	89.6
110°	99.4	99.5	99.7	99.9	100.0	100.1	100.4	100.7	100.9	101.2	101.3



TEST NUMBER: P332241-935

CATALOG NUMBER: S123RDIP-S340D365U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	111.4	111.4	111.5	111.5	111.5	111.6	111.8	112.2	112.5	112.9	113.0
115°	130.1	130.2	130.0	129.9	129.8	129.6	129.7	129.8	129.8	129.9	129.9
117.5°	148.3	148.2	148.0	147.8	147.7	147.5	147.5	147.5	147.5	147.5	147.3
120°	160.7	160.7	160.5	160.1	159.8	159.5	159.4	159.3	159.2	159.2	159.0
122.5°	172.3	172.3	172.1	171.9	171.8	171.6	171.4	171.3	171.1	170.9	170.7
125°	190.1	190.1	189.9	189.9	189.7	189.6	189.2	189.0	188.7	188.5	188.2
127.5°	207.8	207.9	207.8	207.6	207.5	207.3	207.0	206.6	206.2	205.8	205.4
130°	219.4	219.6	219.4	219.2	219.0	218.8	218.5	218.3	217.9	217.7	217.3
132.5°	230.6	230.8	230.7	230.5	230.3	230.2	229.9	229.5	229.2	228.9	228.6
135°	247.2	247.4	247.3	247.2	247.1	247.1	246.8	246.5	246.2	246.0	245.8
137.5°	262.7	262.9	263.1	263.3	263.5	263.6	263.4	263.1	262.9	262.5	262.3
140°	273.7	273.9	274.0	274.0	274.1	274.1	274.1	274.0	274.0	273.9	273.6
142.5°	283.6	283.9	284.0	284.1	284.2	284.4	284.3	284.2	284.1	284.1	283.9
145°	298.4	298.6	298.8	299.0	299.2	299.4	299.4	299.3	299.2	299.1	298.9
147.5°	312.5	312.7	312.9	313.1	313.2	313.5	313.5	313.5	313.5	313.5	313.2
150°	321.6	321.7	321.8	321.9	322.1	322.2	322.2	322.2	322.2	322.2	322.0
152.5°	329.6	329.7	329.8	329.8	329.9	330.0	330.1	330.2	330.4	330.5	330.3
155°	341.1	341.1	341.2	341.2	341.3	341.4	341.6	341.9	342.2	342.5	342.3
157.5°	351.2	351.2	351.3	351.3	351.4	351.5	351.7	352.0	352.3	352.6	352.5
160°	357.6	357.5	357.5	357.5	357.5	357.5	357.8	358.2	358.5	358.9	358.9
162.5°	363.2	363.2	363.2	363.3	363.3	363.3	363.7	364.0	364.4	364.7	364.6
165°	370.7	370.6	370.6	370.6	370.6	370.6	371.0	371.4	371.8	372.2	372.2
167.5°	376.4	376.3	376.4	376.4	376.5	376.6	376.9	377.4	377.8	378.2	378.2
170°	379.9	379.7	379.7	379.7	379.7	379.7	380.2	380.6	381.2	381.6	381.6
172.5°	382.5	382.4	382.4	382.4	382.4	382.4	382.8	383.2	383.7	384.1	384.1
175°	385.4	385.2	385.2	385.2	385.2	385.2	385.6	386.0	386.4	386.8	386.8
177.5°	386.7	386.6	386.6	386.6	386.6	386.6	386.9	387.3	387.5	387.9	387.9
180°	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4



TEST NUMBER: P332241-935

CATALOG NUMBER: S123RDIP-S340D365U935-4F0-1E-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°	7.7	7.4	7.4	7.6	7.4	7.4	7.7	7.3	7.3	7.2	7.1
90°	8.7	8.9	9.0	9.1	9.0	8.9	8.7	8.6	8.4	8.1	7.8
92.5°	12.6	12.5	12.4	12.3	12.4	12.5	12.6	12.7	12.6	12.3	12.1
95°	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.6	23.3	23.1
97.5°	36.6	36.6	36.5	36.5	36.5	36.6	36.6	36.6	36.5	36.2	35.8
100°	45.8	46.0	46.1	46.2	46.1	46.0	45.8	45.7	45.5	45.4	45.1
102.5°	56.3	56.3	56.2	56.2	56.2	56.3	56.3	56.3	56.2	56.1	55.9
105°	72.0	72.2	72.3	72.4	72.3	72.2	72.0	71.9	71.8	71.8	71.8
107.5°	89.5	89.5	89.4	89.3	89.4	89.5	89.5	89.6	89.5	89.3	89.1
110°	101.1	101.0	100.8	100.7	100.8	101.0	101.1	101.3	101.2	100.9	100.7



TEST NUMBER: P332241-935

CATALOG NUMBER: S123RDIP-S340D365U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	113.0	113.0	112.9	112.9	112.9	113.0	113.0	113.0	112.9	112.5	112.2
115°	129.8	129.8	129.7	129.6	129.7	129.8	129.8	129.9	129.9	129.8	129.8
117.5°	147.1	147.0	146.8	146.6	146.8	147.0	147.1	147.3	147.5	147.5	147.5
120°	158.9	158.8	158.7	158.5	158.7	158.8	158.9	159.0	159.2	159.2	159.3
122.5°	170.6	170.3	170.1	170.0	170.1	170.3	170.6	170.7	170.9	171.1	171.3
125°	188.0	187.7	187.4	187.1	187.4	187.7	188.0	188.2	188.5	188.7	189.0
127.5°	205.2	204.8	204.6	204.2	204.6	204.8	205.2	205.4	205.8	206.2	206.6
130°	216.9	216.4	215.9	215.4	215.9	216.4	216.9	217.3	217.7	217.9	218.3
132.5°	228.2	227.8	227.5	227.1	227.5	227.8	228.2	228.6	228.9	229.2	229.5
135°	245.6	245.5	245.4	245.2	245.4	245.5	245.6	245.8	246.0	246.2	246.5
137.5°	262.0	261.7	261.5	261.2	261.5	261.7	262.0	262.3	262.5	262.9	263.1
140°	273.1	272.7	272.2	271.7	272.2	272.7	273.1	273.6	273.9	274.0	274.0
142.5°	283.5	283.2	282.8	282.4	282.8	283.2	283.5	283.9	284.1	284.1	284.2
145°	298.7	298.4	298.2	297.9	298.2	298.4	298.7	298.9	299.1	299.2	299.3
147.5°	312.9	312.5	312.0	311.6	312.0	312.5	312.9	313.2	313.5	313.5	313.5
150°	321.6	321.2	320.8	320.4	320.8	321.2	321.6	322.0	322.2	322.2	322.2
152.5°	329.9	329.6	329.2	328.9	329.2	329.6	329.9	330.3	330.5	330.4	330.2
155°	341.9	341.4	341.0	340.4	341.0	341.4	341.9	342.3	342.5	342.2	341.9
157.5°	352.1	351.8	351.4	351.0	351.4	351.8	352.1	352.5	352.6	352.3	352.0
160°	358.6	358.3	358.1	357.8	358.1	358.3	358.6	358.9	358.9	358.5	358.2
162.5°	364.2	363.8	363.3	362.9	363.3	363.8	364.2	364.6	364.7	364.4	364.0
165°	371.7	371.3	370.7	370.3	370.7	371.3	371.7	372.2	372.2	371.8	371.4
167.5°	377.8	377.4	376.9	376.6	376.9	377.4	377.8	378.2	378.2	377.8	377.4
170°	381.2	380.6	380.2	379.7	380.2	380.6	381.2	381.6	381.6	381.2	380.6
172.5°	383.6	383.1	382.6	382.2	382.6	383.1	383.6	384.1	384.1	383.7	383.2
175°	386.3	385.8	385.4	384.9	385.4	385.8	386.3	386.8	386.8	386.4	386.0
177.5°	387.5	387.1	386.8	386.3	386.8	387.1	387.5	387.9	387.9	387.5	387.3
180°	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4



TEST NUMBER: P332241-935

CATALOG NUMBER: S123RDIP-S340D365U935-4F0-1E-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°	7.0	6.7	6.7	6.4	6.0	5.8	5.1	5.1	5.0	5.5	5.2
90°	7.6	7.3	6.5	5.5	4.6	3.8	3.0	2.3	1.6	0.9	0.3
92.5°	11.9	11.7	11.2	10.7	10.2	9.6	9.2	8.8	8.3	7.8	7.4
95°	22.8	22.6	22.0	21.4	20.9	20.3	19.8	19.4	18.9	18.4	18.0
97.5°	35.6	35.2	34.9	34.4	34.1	33.7	33.3	33.0	32.6	32.2	31.9
100°	44.9	44.7	44.4	44.1	43.7	43.4	43.0	42.6	42.2	41.8	41.4
102.5°	55.6	55.4	55.0	54.6	54.1	53.6	53.3	53.0	52.8	52.6	52.3
105°	71.8	71.8	71.2	70.6	70.0	69.4	69.0	68.9	68.7	68.6	68.4
107.5°	88.9	88.7	88.4	88.2	87.9	87.6	87.6	87.5	87.4	87.3	87.2
110°	100.4	100.1	100.0	99.9	99.7	99.5	99.4	99.3	99.2	99.0	98.9



TEST NUMBER: P332241-935

CATALOG NUMBER: S123RDIP-S340D365U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	111.8	111.6	111.5	111.5	111.5	111.4	111.4	111.3	111.2	111.2	111.1
115°	129.7	129.6	129.8	129.9	130.0	130.2	130.1	129.9	129.8	129.5	129.3
117.5°	147.5	147.5	147.7	147.8	148.0	148.2	148.3	148.1	148.0	147.8	147.7
120°	159.4	159.5	159.8	160.1	160.5	160.7	160.7	160.3	160.0	159.5	159.1
122.5°	171.4	171.6	171.8	171.9	172.1	172.3	172.3	171.9	171.7	171.3	171.1
125°	189.2	189.6	189.7	189.9	189.9	190.1	190.1	189.9	189.7	189.4	189.2
127.5°	207.0	207.3	207.5	207.6	207.8	207.9	207.8	207.3	206.9	206.5	206.0
130°	218.5	218.8	219.0	219.2	219.4	219.6	219.4	218.9	218.3	217.7	217.2
132.5°	229.9	230.2	230.3	230.5	230.7	230.8	230.6	230.1	229.5	229.0	228.4
135°	246.8	247.1	247.1	247.2	247.3	247.4	247.2	246.8	246.3	246.0	245.6
137.5°	263.4	263.6	263.5	263.3	263.1	262.9	262.7	262.3	262.0	261.7	261.4
140°	274.1	274.1	274.1	274.0	274.0	273.9	273.7	273.4	273.0	272.7	272.3
142.5°	284.3	284.4	284.2	284.1	284.0	283.9	283.6	283.4	283.0	282.7	282.3
145°	299.4	299.4	299.2	299.0	298.8	298.6	298.4	298.3	298.2	298.0	297.9
147.5°	313.5	313.5	313.2	313.1	312.9	312.7	312.5	312.3	312.0	311.8	311.5
150°	322.2	322.2	322.1	321.9	321.8	321.7	321.6	321.4	321.2	321.2	321.0
152.5°	330.1	330.0	329.9	329.8	329.8	329.7	329.6	329.3	329.2	329.0	328.8
155°	341.6	341.4	341.3	341.2	341.2	341.1	341.1	341.1	341.1	341.1	341.1
157.5°	351.7	351.5	351.4	351.3	351.3	351.2	351.2	351.3	351.4	351.5	351.5
160°	357.8	357.5	357.5	357.5	357.5	357.5	357.6	357.7	357.8	358.0	358.1
162.5°	363.7	363.3	363.3	363.3	363.2	363.2	363.2	363.4	363.6	363.8	363.9
165°	371.0	370.6	370.6	370.6	370.6	370.6	370.7	370.9	371.1	371.3	371.5
167.5°	376.9	376.6	376.5	376.4	376.4	376.3	376.4	376.7	377.0	377.3	377.5
170°	380.2	379.7	379.7	379.7	379.7	379.7	379.9	380.1	380.4	380.6	380.9
172.5°	382.8	382.4	382.4	382.4	382.4	382.4	382.5	382.8	383.1	383.3	383.7
175°	385.6	385.2	385.2	385.2	385.2	385.2	385.4	385.6	385.9	386.2	386.4
177.5°	386.9	386.6	386.6	386.6	386.6	386.6	386.7	386.9	387.1	387.4	387.5
180°	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4



TEST NUMBER: P332241-935

CATALOG NUMBER: S123RDIP-S340D365U935-4F0-1E-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°	4.6	3.7	3.7	3.4	3.4	3.4	3.7	3.5	3.5	3.8	3.5
90°	0.9	1.6	2.3	3.0	3.8	4.6	5.5	6.5	7.3	7.6	7.8
92.5°	7.8	8.3	8.8	9.2	9.6	10.2	10.7	11.2	11.7	11.9	12.1
95°	18.4	18.9	19.4	19.8	20.3	20.9	21.4	22.0	22.6	22.8	23.1
97.5°	32.2	32.6	33.0	33.3	33.7	34.1	34.4	34.9	35.2	35.6	35.8
100°	41.8	42.2	42.6	43.0	43.4	43.7	44.1	44.4	44.7	44.9	45.1
102.5°	52.6	52.8	53.0	53.3	53.6	54.1	54.6	55.0	55.4	55.6	55.9
105°	68.6	68.7	68.9	69.0	69.4	70.0	70.6	71.2	71.8	71.8	71.8
107.5°	87.3	87.4	87.5	87.6	87.6	87.9	88.2	88.4	88.7	88.9	89.1
110°	99.0	99.2	99.3	99.4	99.5	99.7	99.9	100.0	100.1	100.4	100.7



TEST NUMBER: P332241-935

CATALOG NUMBER: S123RDIP-S340D365U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	111.2	111.2	111.3	111.4	111.4	111.5	111.5	111.5	111.6	111.8	112.2
115°	129.5	129.8	129.9	130.1	130.2	130.0	129.9	129.8	129.6	129.7	129.8
117.5°	147.8	148.0	148.1	148.3	148.2	148.0	147.8	147.7	147.5	147.5	147.5
120°	159.5	160.0	160.3	160.7	160.7	160.5	160.1	159.8	159.5	159.4	159.3
122.5°	171.3	171.7	171.9	172.3	172.3	172.1	171.9	171.8	171.6	171.4	171.3
125°	189.4	189.7	189.9	190.1	190.1	189.9	189.9	189.7	189.6	189.2	189.0
127.5°	206.5	206.9	207.3	207.8	207.9	207.8	207.6	207.5	207.3	207.0	206.6
130°	217.7	218.3	218.9	219.4	219.6	219.4	219.2	219.0	218.8	218.5	218.3
132.5°	229.0	229.5	230.1	230.6	230.8	230.7	230.5	230.3	230.2	229.9	229.5
135°	246.0	246.3	246.8	247.2	247.4	247.3	247.2	247.1	247.1	246.8	246.5
137.5°	261.7	262.0	262.3	262.7	262.9	263.1	263.3	263.5	263.6	263.4	263.1
140°	272.7	273.0	273.4	273.7	273.9	274.0	274.0	274.1	274.1	274.1	274.0
142.5°	282.7	283.0	283.4	283.6	283.9	284.0	284.1	284.2	284.4	284.3	284.2
145°	298.0	298.2	298.3	298.4	298.6	298.8	299.0	299.2	299.4	299.4	299.3
147.5°	311.8	312.0	312.3	312.5	312.7	312.9	313.1	313.2	313.5	313.5	313.5
150°	321.2	321.2	321.4	321.6	321.7	321.8	321.9	322.1	322.2	322.2	322.2
152.5°	329.0	329.2	329.3	329.6	329.7	329.8	329.8	329.9	330.0	330.1	330.2
155°	341.1	341.1	341.1	341.1	341.1	341.2	341.2	341.3	341.4	341.6	341.9
157.5°	351.5	351.4	351.3	351.2	351.2	351.3	351.3	351.4	351.5	351.7	352.0
160°	358.0	357.8	357.7	357.6	357.5	357.5	357.5	357.5	357.5	357.8	358.2
162.5°	363.8	363.6	363.4	363.2	363.2	363.2	363.3	363.3	363.3	363.7	364.0
165°	371.3	371.1	370.9	370.7	370.6	370.6	370.6	370.6	370.6	371.0	371.4
167.5°	377.3	377.0	376.7	376.4	376.3	376.4	376.4	376.5	376.6	376.9	377.4
170°	380.6	380.4	380.1	379.9	379.7	379.7	379.7	379.7	379.7	380.2	380.6
172.5°	383.3	383.1	382.8	382.5	382.4	382.4	382.4	382.4	382.4	382.8	383.2
175°	386.2	385.9	385.6	385.4	385.2	385.2	385.2	385.2	385.2	385.6	386.0
177.5°	387.4	387.1	386.9	386.7	386.6	386.6	386.6	386.6	386.6	386.9	387.3
180°	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4



TEST NUMBER: P332241-935

CATALOG NUMBER: S123RDIP-S340D365U935-4F0-1E-UDD-A1

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°	3.5	3.6	3.4	3.5	3.4	3.7	3.4
90°	8.1	8.4	8.6	8.7	8.9	9.0	9.1
92.5°	12.3	12.6	12.7	12.6	12.5	12.4	12.3
95°	23.3	23.6	23.8	23.8	23.8	23.8	23.8
97.5°	36.2	36.5	36.6	36.6	36.6	36.5	36.5
100°	45.4	45.5	45.7	45.8	46.0	46.1	46.2
102.5°	56.1	56.2	56.3	56.3	56.3	56.2	56.2
105°	71.8	71.8	71.9	72.0	72.2	72.3	72.4
107.5°	89.3	89.5	89.6	89.5	89.5	89.4	89.3
110°	100.9	101.2	101.3	101.1	101.0	100.8	100.7



TEST NUMBER: P332241-935

CATALOG NUMBER: S123RDIP-S340D365U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	112.5	112.9	113.0	113.0	113.0	112.9	112.9
115°	129.8	129.9	129.9	129.8	129.8	129.7	129.6
117.5°	147.5	147.5	147.3	147.1	147.0	146.8	146.6
120°	159.2	159.2	159.0	158.9	158.8	158.7	158.5
122.5°	171.1	170.9	170.7	170.6	170.3	170.1	170.0
125°	188.7	188.5	188.2	188.0	187.7	187.4	187.1
127.5°	206.2	205.8	205.4	205.2	204.8	204.6	204.2
130°	217.9	217.7	217.3	216.9	216.4	215.9	215.4
132.5°	229.2	228.9	228.6	228.2	227.8	227.5	227.1
135°	246.2	246.0	245.8	245.6	245.5	245.4	245.2
137.5°	262.9	262.5	262.3	262.0	261.7	261.5	261.2
140°	274.0	273.9	273.6	273.1	272.7	272.2	271.7
142.5°	284.1	284.1	283.9	283.5	283.2	282.8	282.4
145°	299.2	299.1	298.9	298.7	298.4	298.2	297.9
147.5°	313.5	313.5	313.2	312.9	312.5	312.0	311.6
150°	322.2	322.2	322.0	321.6	321.2	320.8	320.4
152.5°	330.4	330.5	330.3	329.9	329.6	329.2	328.9
155°	342.2	342.5	342.3	341.9	341.4	341.0	340.4
157.5°	352.3	352.6	352.5	352.1	351.8	351.4	351.0
160°	358.5	358.9	358.9	358.6	358.3	358.1	357.8
162.5°	364.4	364.7	364.6	364.2	363.8	363.3	362.9
165°	371.8	372.2	372.2	371.7	371.3	370.7	370.3
167.5°	377.8	378.2	378.2	377.8	377.4	376.9	376.6
170°	381.2	381.6	381.6	381.2	380.6	380.2	379.7
172.5°	383.7	384.1	384.1	383.6	383.1	382.6	382.2
175°	386.4	386.8	386.8	386.3	385.8	385.4	384.9
177.5°	387.5	387.9	387.9	387.5	387.1	386.8	386.3
180°	387.4	387.4	387.4	387.4	387.4	387.4	387.4

(END OF REPORT)