

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: P332395-935

Luminaire Tested: **S123RDIW-S340D755U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332395-935
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: S123RDIW-S340D755U935-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 755 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3423.1 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

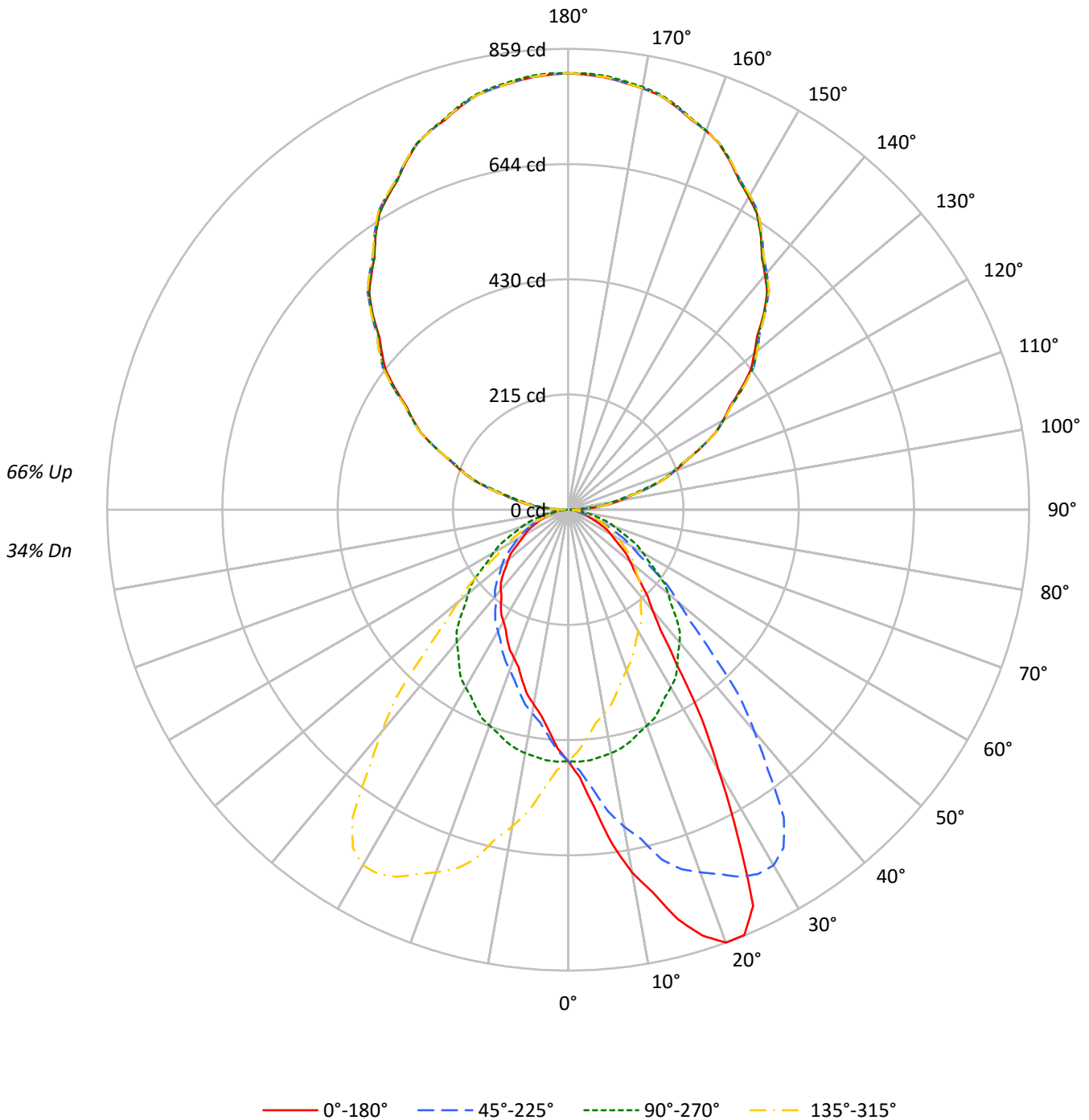
Input Watts (W): 30.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0	
RCR																						
0	103	103	103	103	93	93	93	93	75	75	75	57	57	57	42	42	42	34				
1	95	91	87	84	85	82	79	76	66	64	62	51	50	48	37	37	36	30				
2	86	79	74	69	78	72	67	63	58	55	52	45	43	41	33	32	31	25				
3	79	70	63	58	71	64	58	53	52	47	44	40	37	35	30	28	27	22				
4	72	62	55	49	65	57	50	45	46	41	38	36	33	30	27	25	23	19				
5	67	56	48	42	60	51	44	39	41	36	33	33	29	26	24	22	20	17				
6	61	50	42	37	55	45	39	34	37	32	29	29	26	23	22	20	18	15				
7	57	45	37	32	51	41	34	30	34	29	25	27	23	21	20	18	16	13				
8	53	41	33	28	48	37	31	26	31	26	22	25	21	18	19	16	15	12				
9	49	37	30	25	44	34	28	23	28	23	20	23	19	17	17	15	13	11				
10	46	34	27	23	41	31	25	21	26	21	18	21	17	15	16	14	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	4.2
20°-30°	226.2	6.6
30°-40°	236.0	6.9
40°-50°	201.9	5.9
50°-60°	153.9	4.5
60°-70°	98.7	2.9
70°-80°	47.5	1.4
80°-90°	15.0	0.4
90°-100°	53.0	1.5
100°-110°	158.6	4.6
110°-120°	269.8	7.9
120°-130°	354.9	10.4
130°-140°	398.9	11.7
140°-150°	392.1	11.5
150°-160°	330.1	9.6
160°-170°	219.7	6.4
170°-180°	76.9	2.2
0°-30°	416.2	12.2
0°-40°	652.2	19.1
0°-60°	1008.0	29.4
0°-90°	1169.1	34.2
90°-120°	481.4	14.1
90°-150°	1627.3	47.5
90°-180°	2254.0	65.8
0°-180°	3423.1	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°	19	1	19	1	19	10
95°	50	38	50	38	50	51
105°	152	144	152	144	152	161
115°	272	272	272	272	272	270
125°	393	398	393	398	393	351
135°	515	516	515	516	515	396
145°	626	626	626	626	626	391
155°	715	716	715	716	715	329
165°	778	780	778	780	778	219
175°	808	812	808	812	808	77
180°	814	814	814	814	814	



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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°	5.4	5.7	5.3	5.4	5.3	5.4	5.3	5.3	5.4	5.2	4.9
90°	19.2	18.9	18.6	18.3	18.0	17.7	17.0	16.4	15.9	15.3	13.5
92.5°	25.8	26.0	26.2	26.3	26.5	26.3	25.9	25.5	25.0	24.5	23.5
95°	49.9	49.9	49.9	49.9	49.9	49.6	49.0	48.4	47.9	47.3	46.1
97.5°	76.7	76.7	76.8	76.9	76.9	76.6	75.9	75.3	74.6	74.0	73.2
100°	97.1	96.9	96.6	96.3	96.0	95.7	95.2	94.8	94.4	93.9	93.2
102.5°	118.1	118.1	118.2	118.3	118.3	118.1	117.7	117.3	116.8	116.4	115.5
105°	152.1	151.8	151.5	151.3	150.9	150.8	150.8	150.8	150.8	150.8	149.6
107.5°	187.5	187.7	187.9	188.0	188.2	188.0	187.6	187.1	186.7	186.2	185.7
110°	211.5	211.8	212.1	212.4	212.7	212.5	212.0	211.4	210.9	210.3	210.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	237.1	237.1	237.2	237.3	237.3	237.0	236.3	235.7	235.0	234.3	234.2
115°	272.2	272.4	272.5	272.7	272.9	272.9	272.7	272.5	272.4	272.2	272.5
117.5°	307.9	308.3	308.7	309.1	309.5	309.7	309.7	309.8	309.8	309.8	310.2
120°	332.9	333.2	333.6	333.8	334.1	334.3	334.4	334.6	334.8	334.8	335.6
122.5°	357.0	357.4	357.7	358.2	358.6	359.0	359.3	359.7	360.1	360.4	360.8
125°	393.0	393.6	394.2	394.8	395.3	395.9	396.4	397.0	397.6	398.1	398.4
127.5°	429.0	429.6	430.2	430.9	431.5	432.3	433.1	433.9	434.6	435.5	435.8
130°	452.5	453.5	454.4	455.5	456.4	457.2	457.8	458.4	458.9	459.5	459.9
132.5°	477.0	477.8	478.5	479.3	480.1	480.8	481.5	482.2	482.8	483.5	483.8
135°	515.1	515.4	515.7	515.9	516.3	516.7	517.2	517.8	518.3	518.9	519.1
137.5°	548.7	549.2	549.7	550.4	550.9	551.5	552.0	552.6	553.2	553.8	553.5
140°	570.7	571.7	572.7	573.7	574.6	575.2	575.4	575.5	575.7	575.8	575.7
142.5°	593.1	593.9	594.7	595.5	596.2	596.7	596.8	597.0	597.1	597.3	597.0
145°	625.7	626.2	626.8	627.3	627.9	628.3	628.4	628.5	628.7	628.9	628.4
147.5°	654.5	655.4	656.3	657.1	658.0	658.4	658.4	658.4	658.4	658.4	658.0
150°	673.0	673.8	674.7	675.5	676.3	676.7	676.7	676.7	676.7	676.7	676.5
152.5°	690.9	691.6	692.3	693.0	693.8	694.1	693.8	693.6	693.4	693.1	692.9
155°	715.1	716.1	717.1	718.1	719.1	719.3	718.8	718.2	717.6	717.0	716.9
157.5°	737.2	738.0	738.8	739.6	740.4	740.5	739.9	739.3	738.7	738.1	738.0
160°	751.6	752.1	752.7	753.3	753.8	753.7	753.0	752.3	751.7	750.9	750.9
162.5°	762.2	763.2	764.1	765.0	765.9	766.0	765.3	764.6	763.9	763.2	763.1
165°	777.7	778.8	779.7	780.8	781.7	781.8	780.9	780.1	779.2	778.3	778.3
167.5°	790.9	791.8	792.6	793.6	794.4	794.4	793.6	792.6	791.8	790.9	790.8
170°	797.5	798.6	799.5	800.6	801.5	801.5	800.6	799.5	798.6	797.5	797.5
172.5°	802.7	803.7	804.7	805.6	806.7	806.7	805.8	804.9	804.1	803.1	803.1
175°	808.4	809.4	810.4	811.4	812.4	812.4	811.6	810.8	809.9	809.1	809.1
177.5°	811.5	812.3	813.0	813.9	814.7	814.8	814.1	813.4	812.7	812.0	812.0
180°	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6



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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°	4.9	4.4	4.3	4.0	4.2	4.0	4.7	5.3	5.7	5.3	5.6
90°	11.6	9.8	7.9	6.3	4.9	3.4	2.1	0.6	2.1	3.4	4.9
92.5°	22.5	21.4	20.3	19.3	18.3	17.4	16.4	15.5	16.4	17.4	18.3
95°	45.0	43.9	42.7	41.7	40.7	39.7	38.7	37.7	38.7	39.7	40.7
97.5°	72.3	71.5	70.7	69.9	69.2	68.4	67.7	67.0	67.7	68.4	69.2
100°	92.6	91.8	91.1	90.3	89.5	88.6	87.7	86.9	87.7	88.6	89.5
102.5°	114.6	113.7	112.7	111.9	111.4	111.0	110.5	109.9	110.5	111.0	111.4
105°	148.3	147.0	145.7	144.9	144.6	144.4	144.0	143.8	144.0	144.4	144.6
107.5°	185.2	184.7	184.2	183.8	183.7	183.5	183.3	183.1	183.3	183.5	183.7
110°	209.7	209.4	209.1	208.8	208.5	208.3	208.0	207.7	208.0	208.3	208.5



TEST NUMBER: P332395-935

CATALOG NUMBER: S123RDIW-S340D755U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	234.2	234.1	234.0	233.9	233.8	233.6	233.4	233.2	233.4	233.6	233.8
115°	272.9	273.1	273.4	273.3	272.9	272.4	272.0	271.6	272.0	272.4	272.9
117.5°	310.6	310.9	311.3	311.3	311.1	310.7	310.5	310.2	310.5	310.7	311.1
120°	336.3	337.0	337.7	337.7	336.8	336.0	335.1	334.2	335.1	336.0	336.8
122.5°	361.2	361.5	361.9	361.8	361.2	360.5	359.9	359.3	359.9	360.5	361.2
125°	398.7	399.0	399.2	399.2	398.8	398.4	398.0	397.5	398.0	398.4	398.8
127.5°	436.1	436.4	436.7	436.4	435.5	434.6	433.7	432.7	433.7	434.6	435.5
130°	460.4	460.8	461.2	460.8	459.7	458.6	457.4	456.3	457.4	458.6	459.7
132.5°	484.1	484.5	484.7	484.4	483.2	482.1	481.0	479.8	481.0	482.1	483.2
135°	519.2	519.4	519.5	519.1	518.3	517.5	516.6	515.7	516.6	517.5	518.3
137.5°	553.1	552.7	552.3	551.8	551.1	550.4	549.7	549.0	549.7	550.4	551.1
140°	575.5	575.4	575.2	574.8	574.1	573.4	572.7	572.0	572.7	573.4	574.1
142.5°	596.8	596.5	596.2	595.7	595.0	594.3	593.7	593.0	593.7	594.3	595.0
145°	628.0	627.6	627.2	626.8	626.5	626.2	625.9	625.7	625.9	626.2	626.5
147.5°	657.5	657.2	656.8	656.3	655.8	655.3	654.8	654.3	654.8	655.3	655.8
150°	676.2	675.9	675.6	675.4	675.1	674.8	674.5	674.2	674.5	674.8	675.1
152.5°	692.8	692.6	692.4	692.2	691.8	691.4	691.0	690.6	691.0	691.4	691.8
155°	716.8	716.6	716.4	716.4	716.4	716.4	716.4	716.4	716.4	716.4	716.4
157.5°	737.9	737.8	737.7	737.7	737.9	738.0	738.2	738.4	738.2	738.0	737.9
160°	750.9	750.9	750.9	751.1	751.3	751.7	751.9	752.2	751.9	751.7	751.3
162.5°	762.9	762.8	762.8	762.8	763.3	763.6	764.1	764.5	764.1	763.6	763.3
165°	778.3	778.3	778.3	778.6	779.0	779.5	779.9	780.3	779.9	779.5	779.0
167.5°	790.7	790.6	790.5	790.7	791.3	791.9	792.4	793.0	792.4	791.9	791.3
170°	797.5	797.5	797.5	797.8	798.4	799.0	799.5	800.1	799.5	799.0	798.4
172.5°	803.1	803.1	803.1	803.5	804.0	804.6	805.2	805.7	805.2	804.6	804.0
175°	809.1	809.1	809.1	809.3	809.9	810.5	811.1	811.6	811.1	810.5	809.9
177.5°	812.0	812.0	812.0	812.3	812.7	813.1	813.6	814.1	813.6	813.1	812.7
180°	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6



TEST NUMBER: P332395-935

CATALOG NUMBER: S123RDIW-S340D755U935-4F0-1E-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°	5.8	6.5	7.1	7.7	8.2	8.4	8.6	8.8	9.0	9.1	9.2
90°	6.3	7.9	9.8	11.6	13.5	15.3	15.9	16.4	17.0	17.7	18.0
92.5°	19.3	20.3	21.4	22.5	23.5	24.5	25.0	25.5	25.9	26.3	26.5
95°	41.7	42.7	43.9	45.0	46.1	47.3	47.9	48.4	49.0	49.6	49.9
97.5°	69.9	70.7	71.5	72.3	73.2	74.0	74.6	75.3	75.9	76.6	76.9
100°	90.3	91.1	91.8	92.6	93.2	93.9	94.4	94.8	95.2	95.7	96.0
102.5°	111.9	112.7	113.7	114.6	115.5	116.4	116.8	117.3	117.7	118.1	118.3
105°	144.9	145.7	147.0	148.3	149.6	150.8	150.8	150.8	150.8	150.8	150.9
107.5°	183.8	184.2	184.7	185.2	185.7	186.2	186.7	187.1	187.6	188.0	188.2
110°	208.8	209.1	209.4	209.7	210.0	210.3	210.9	211.4	212.0	212.5	212.7



TEST NUMBER: P332395-935

CATALOG NUMBER: S123RDIW-S340D755U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	233.9	234.0	234.1	234.2	234.2	234.3	235.0	235.7	236.3	237.0	237.3
115°	273.3	273.4	273.1	272.9	272.5	272.2	272.4	272.5	272.7	272.9	272.9
117.5°	311.3	311.3	310.9	310.6	310.2	309.8	309.8	309.8	309.7	309.7	309.5
120°	337.7	337.7	337.0	336.3	335.6	334.8	334.8	334.6	334.4	334.3	334.1
122.5°	361.8	361.9	361.5	361.2	360.8	360.4	360.1	359.7	359.3	359.0	358.6
125°	399.2	399.2	399.0	398.7	398.4	398.1	397.6	397.0	396.4	395.9	395.3
127.5°	436.4	436.7	436.4	436.1	435.8	435.5	434.6	433.9	433.1	432.3	431.5
130°	460.8	461.2	460.8	460.4	459.9	459.5	458.9	458.4	457.8	457.2	456.4
132.5°	484.4	484.7	484.5	484.1	483.8	483.5	482.8	482.2	481.5	480.8	480.1
135°	519.1	519.5	519.4	519.2	519.1	518.9	518.3	517.8	517.2	516.7	516.3
137.5°	551.8	552.3	552.7	553.1	553.5	553.8	553.2	552.6	552.0	551.5	550.9
140°	574.8	575.2	575.4	575.5	575.7	575.8	575.7	575.5	575.4	575.2	574.6
142.5°	595.7	596.2	596.5	596.8	597.0	597.3	597.1	597.0	596.8	596.7	596.2
145°	626.8	627.2	627.6	628.0	628.4	628.9	628.7	628.5	628.4	628.3	627.9
147.5°	656.3	656.8	657.2	657.5	658.0	658.4	658.4	658.4	658.4	658.4	658.0
150°	675.4	675.6	675.9	676.2	676.5	676.7	676.7	676.7	676.7	676.7	676.3
152.5°	692.2	692.4	692.6	692.8	692.9	693.1	693.4	693.6	693.8	694.1	693.8
155°	716.4	716.4	716.6	716.8	716.9	717.0	717.6	718.2	718.8	719.3	719.1
157.5°	737.7	737.7	737.8	737.9	738.0	738.1	738.7	739.3	739.9	740.5	740.4
160°	751.1	750.9	750.9	750.9	750.9	750.9	751.7	752.3	753.0	753.7	753.8
162.5°	762.8	762.8	762.8	762.9	763.1	763.2	763.9	764.6	765.3	766.0	765.9
165°	778.6	778.3	778.3	778.3	778.3	778.3	779.2	780.1	780.9	781.8	781.7
167.5°	790.7	790.5	790.6	790.7	790.8	790.9	791.8	792.6	793.6	794.4	794.4
170°	797.8	797.5	797.5	797.5	797.5	797.5	798.6	799.5	800.6	801.5	801.5
172.5°	803.5	803.1	803.1	803.1	803.1	803.1	804.1	804.9	805.8	806.7	806.7
175°	809.3	809.1	809.1	809.1	809.1	809.1	809.9	810.8	811.6	812.4	812.4
177.5°	812.3	812.0	812.0	812.0	812.0	812.0	812.7	813.4	814.1	814.8	814.7
180°	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6



TEST NUMBER: P332395-935

CATALOG NUMBER: S123RDIW-S340D755U935-4F0-1E-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°	9.6	9.3	9.4	9.6	9.4	9.3	9.6	9.2	9.1	9.0	8.8
90°	18.3	18.6	18.9	19.2	18.9	18.6	18.3	18.0	17.7	17.0	16.4
92.5°	26.3	26.2	26.0	25.8	26.0	26.2	26.3	26.5	26.3	25.9	25.5
95°	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.6	49.0	48.4
97.5°	76.9	76.8	76.7	76.7	76.7	76.8	76.9	76.9	76.6	75.9	75.3
100°	96.3	96.6	96.9	97.1	96.9	96.6	96.3	96.0	95.7	95.2	94.8
102.5°	118.3	118.2	118.1	118.1	118.1	118.2	118.3	118.3	118.1	117.7	117.3
105°	151.3	151.5	151.8	152.1	151.8	151.5	151.3	150.9	150.8	150.8	150.8
107.5°	188.0	187.9	187.7	187.5	187.7	187.9	188.0	188.2	188.0	187.6	187.1
110°	212.4	212.1	211.8	211.5	211.8	212.1	212.4	212.7	212.5	212.0	211.4



TEST NUMBER: P332395-935

CATALOG NUMBER: S123RDIW-S340D755U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	237.3	237.2	237.1	237.1	237.1	237.2	237.3	237.3	237.0	236.3	235.7
115°	272.7	272.5	272.4	272.2	272.4	272.5	272.7	272.9	272.9	272.7	272.5
117.5°	309.1	308.7	308.3	307.9	308.3	308.7	309.1	309.5	309.7	309.7	309.8
120°	333.8	333.6	333.2	332.9	333.2	333.6	333.8	334.1	334.3	334.4	334.6
122.5°	358.2	357.7	357.4	357.0	357.4	357.7	358.2	358.6	359.0	359.3	359.7
125°	394.8	394.2	393.6	393.0	393.6	394.2	394.8	395.3	395.9	396.4	397.0
127.5°	430.9	430.2	429.6	429.0	429.6	430.2	430.9	431.5	432.3	433.1	433.9
130°	455.5	454.4	453.5	452.5	453.5	454.4	455.5	456.4	457.2	457.8	458.4
132.5°	479.3	478.5	477.8	477.0	477.8	478.5	479.3	480.1	480.8	481.5	482.2
135°	515.9	515.7	515.4	515.1	515.4	515.7	515.9	516.3	516.7	517.2	517.8
137.5°	550.4	549.7	549.2	548.7	549.2	549.7	550.4	550.9	551.5	552.0	552.6
140°	573.7	572.7	571.7	570.7	571.7	572.7	573.7	574.6	575.2	575.4	575.5
142.5°	595.5	594.7	593.9	593.1	593.9	594.7	595.5	596.2	596.7	596.8	597.0
145°	627.3	626.8	626.2	625.7	626.2	626.8	627.3	627.9	628.3	628.4	628.5
147.5°	657.1	656.3	655.4	654.5	655.4	656.3	657.1	658.0	658.4	658.4	658.4
150°	675.5	674.7	673.8	673.0	673.8	674.7	675.5	676.3	676.7	676.7	676.7
152.5°	693.0	692.3	691.6	690.9	691.6	692.3	693.0	693.8	694.1	693.8	693.6
155°	718.1	717.1	716.1	715.1	716.1	717.1	718.1	719.1	719.3	718.8	718.2
157.5°	739.6	738.8	738.0	737.2	738.0	738.8	739.6	740.4	740.5	739.9	739.3
160°	753.3	752.7	752.1	751.6	752.1	752.7	753.3	753.8	753.7	753.0	752.3
162.5°	765.0	764.1	763.2	762.2	763.2	764.1	765.0	765.9	766.0	765.3	764.6
165°	780.8	779.7	778.8	777.7	778.8	779.7	780.8	781.7	781.8	780.9	780.1
167.5°	793.6	792.6	791.8	790.9	791.8	792.6	793.6	794.4	794.4	793.6	792.6
170°	800.6	799.5	798.6	797.5	798.6	799.5	800.6	801.5	801.5	800.6	799.5
172.5°	805.6	804.7	803.7	802.7	803.7	804.7	805.6	806.7	806.7	805.8	804.9
175°	811.4	810.4	809.4	808.4	809.4	810.4	811.4	812.4	812.4	811.6	810.8
177.5°	813.9	813.0	812.3	811.5	812.3	813.0	813.9	814.7	814.8	814.1	813.4
180°	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6



TEST NUMBER: P332395-935

CATALOG NUMBER: S123RDIW-S340D755U935-4F0-1E-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°	8.6	8.4	8.2	7.7	7.1	6.5	5.8	5.6	5.3	5.7	5.3
90°	15.9	15.3	13.5	11.6	9.8	7.9	6.3	4.9	3.4	2.1	0.6
92.5°	25.0	24.5	23.5	22.5	21.4	20.3	19.3	18.3	17.4	16.4	15.5
95°	47.9	47.3	46.1	45.0	43.9	42.7	41.7	40.7	39.7	38.7	37.7
97.5°	74.6	74.0	73.2	72.3	71.5	70.7	69.9	69.2	68.4	67.7	67.0
100°	94.4	93.9	93.2	92.6	91.8	91.1	90.3	89.5	88.6	87.7	86.9
102.5°	116.8	116.4	115.5	114.6	113.7	112.7	111.9	111.4	111.0	110.5	109.9
105°	150.8	150.8	149.6	148.3	147.0	145.7	144.9	144.6	144.4	144.0	143.8
107.5°	186.7	186.2	185.7	185.2	184.7	184.2	183.8	183.7	183.5	183.3	183.1
110°	210.9	210.3	210.0	209.7	209.4	209.1	208.8	208.5	208.3	208.0	207.7



TEST NUMBER: P332395-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	235.0	234.3	234.2	234.2	234.1	234.0	233.9	233.8	233.6	233.4	233.2
115°	272.4	272.2	272.5	272.9	273.1	273.4	273.3	272.9	272.4	272.0	271.6
117.5°	309.8	309.8	310.2	310.6	310.9	311.3	311.3	311.1	310.7	310.5	310.2
120°	334.8	334.8	335.6	336.3	337.0	337.7	337.7	336.8	336.0	335.1	334.2
122.5°	360.1	360.4	360.8	361.2	361.5	361.9	361.8	361.2	360.5	359.9	359.3
125°	397.6	398.1	398.4	398.7	399.0	399.2	399.2	398.8	398.4	398.0	397.5
127.5°	434.6	435.5	435.8	436.1	436.4	436.7	436.4	435.5	434.6	433.7	432.7
130°	458.9	459.5	459.9	460.4	460.8	461.2	460.8	459.7	458.6	457.4	456.3
132.5°	482.8	483.5	483.8	484.1	484.5	484.7	484.4	483.2	482.1	481.0	479.8
135°	518.3	518.9	519.1	519.2	519.4	519.5	519.1	518.3	517.5	516.6	515.7
137.5°	553.2	553.8	553.5	553.1	552.7	552.3	551.8	551.1	550.4	549.7	549.0
140°	575.7	575.8	575.7	575.5	575.4	575.2	574.8	574.1	573.4	572.7	572.0
142.5°	597.1	597.3	597.0	596.8	596.5	596.2	595.7	595.0	594.3	593.7	593.0
145°	628.7	628.9	628.4	628.0	627.6	627.2	626.8	626.5	626.2	625.9	625.7
147.5°	658.4	658.4	658.0	657.5	657.2	656.8	656.3	655.8	655.3	654.8	654.3
150°	676.7	676.7	676.5	676.2	675.9	675.6	675.4	675.1	674.8	674.5	674.2
152.5°	693.4	693.1	692.9	692.8	692.6	692.4	692.2	691.8	691.4	691.0	690.6
155°	717.6	717.0	716.9	716.8	716.6	716.4	716.4	716.4	716.4	716.4	716.4
157.5°	738.7	738.1	738.0	737.9	737.8	737.7	737.7	737.9	738.0	738.2	738.4
160°	751.7	750.9	750.9	750.9	750.9	750.9	751.1	751.3	751.7	751.9	752.2
162.5°	763.9	763.2	763.1	762.9	762.8	762.8	762.8	763.3	763.6	764.1	764.5
165°	779.2	778.3	778.3	778.3	778.3	778.3	778.6	779.0	779.5	779.9	780.3
167.5°	791.8	790.9	790.8	790.7	790.6	790.5	790.7	791.3	791.9	792.4	793.0
170°	798.6	797.5	797.5	797.5	797.5	797.5	797.8	798.4	799.0	799.5	800.1
172.5°	804.1	803.1	803.1	803.1	803.1	803.1	803.5	804.0	804.6	805.2	805.7
175°	809.9	809.1	809.1	809.1	809.1	809.1	809.3	809.9	810.5	811.1	811.6
177.5°	812.7	812.0	812.0	812.0	812.0	812.0	812.3	812.7	813.1	813.6	814.1
180°	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6



TEST NUMBER: P332395-935

CATALOG NUMBER: S123RDIW-S340D755U935-4F0-1E-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	4.0	4.2	4.0	4.3	4.4	4.9	4.9	5.2	5.4	5.3
90°	2.1	3.4	4.9	6.3	7.9	9.8	11.6	13.5	15.3	15.9	16.4
92.5°	16.4	17.4	18.3	19.3	20.3	21.4	22.5	23.5	24.5	25.0	25.5
95°	38.7	39.7	40.7	41.7	42.7	43.9	45.0	46.1	47.3	47.9	48.4
97.5°	67.7	68.4	69.2	69.9	70.7	71.5	72.3	73.2	74.0	74.6	75.3
100°	87.7	88.6	89.5	90.3	91.1	91.8	92.6	93.2	93.9	94.4	94.8
102.5°	110.5	111.0	111.4	111.9	112.7	113.7	114.6	115.5	116.4	116.8	117.3
105°	144.0	144.4	144.6	144.9	145.7	147.0	148.3	149.6	150.8	150.8	150.8
107.5°	183.3	183.5	183.7	183.8	184.2	184.7	185.2	185.7	186.2	186.7	187.1
110°	208.0	208.3	208.5	208.8	209.1	209.4	209.7	210.0	210.3	210.9	211.4



TEST NUMBER: P332395-935

CATALOG NUMBER: S123RDIW-S340D755U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	233.4	233.6	233.8	233.9	234.0	234.1	234.2	234.2	234.3	235.0	235.7
115°	272.0	272.4	272.9	273.3	273.4	273.1	272.9	272.5	272.2	272.4	272.5
117.5°	310.5	310.7	311.1	311.3	311.3	310.9	310.6	310.2	309.8	309.8	309.8
120°	335.1	336.0	336.8	337.7	337.7	337.0	336.3	335.6	334.8	334.8	334.6
122.5°	359.9	360.5	361.2	361.8	361.9	361.5	361.2	360.8	360.4	360.1	359.7
125°	398.0	398.4	398.8	399.2	399.2	399.0	398.7	398.4	398.1	397.6	397.0
127.5°	433.7	434.6	435.5	436.4	436.7	436.4	436.1	435.8	435.5	434.6	433.9
130°	457.4	458.6	459.7	460.8	461.2	460.8	460.4	459.9	459.5	458.9	458.4
132.5°	481.0	482.1	483.2	484.4	484.7	484.5	484.1	483.8	483.5	482.8	482.2
135°	516.6	517.5	518.3	519.1	519.5	519.4	519.2	519.1	518.9	518.3	517.8
137.5°	549.7	550.4	551.1	551.8	552.3	552.7	553.1	553.5	553.8	553.2	552.6
140°	572.7	573.4	574.1	574.8	575.2	575.4	575.5	575.7	575.8	575.7	575.5
142.5°	593.7	594.3	595.0	595.7	596.2	596.5	596.8	597.0	597.3	597.1	597.0
145°	625.9	626.2	626.5	626.8	627.2	627.6	628.0	628.4	628.9	628.7	628.5
147.5°	654.8	655.3	655.8	656.3	656.8	657.2	657.5	658.0	658.4	658.4	658.4
150°	674.5	674.8	675.1	675.4	675.6	675.9	676.2	676.5	676.7	676.7	676.7
152.5°	691.0	691.4	691.8	692.2	692.4	692.6	692.8	692.9	693.1	693.4	693.6
155°	716.4	716.4	716.4	716.4	716.4	716.6	716.8	716.9	717.0	717.6	718.2
157.5°	738.2	738.0	737.9	737.7	737.7	737.8	737.9	738.0	738.1	738.7	739.3
160°	751.9	751.7	751.3	751.1	750.9	750.9	750.9	750.9	750.9	751.7	752.3
162.5°	764.1	763.6	763.3	762.8	762.8	762.8	762.9	763.1	763.2	763.9	764.6
165°	779.9	779.5	779.0	778.6	778.3	778.3	778.3	778.3	778.3	779.2	780.1
167.5°	792.4	791.9	791.3	790.7	790.5	790.6	790.7	790.8	790.9	791.8	792.6
170°	799.5	799.0	798.4	797.8	797.5	797.5	797.5	797.5	797.5	798.6	799.5
172.5°	805.2	804.6	804.0	803.5	803.1	803.1	803.1	803.1	803.1	804.1	804.9
175°	811.1	810.5	809.9	809.3	809.1	809.1	809.1	809.1	809.1	809.9	810.8
177.5°	813.6	813.1	812.7	812.3	812.0	812.0	812.0	812.0	812.0	812.7	813.4
180°	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6



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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°	5.3	5.4	5.3	5.4	5.3	5.7	5.4
90°	17.0	17.7	18.0	18.3	18.6	18.9	19.2
92.5°	25.9	26.3	26.5	26.3	26.2	26.0	25.8
95°	49.0	49.6	49.9	49.9	49.9	49.9	49.9
97.5°	75.9	76.6	76.9	76.9	76.8	76.7	76.7
100°	95.2	95.7	96.0	96.3	96.6	96.9	97.1
102.5°	117.7	118.1	118.3	118.3	118.2	118.1	118.1
105°	150.8	150.8	150.9	151.3	151.5	151.8	152.1
107.5°	187.6	188.0	188.2	188.0	187.9	187.7	187.5
110°	212.0	212.5	212.7	212.4	212.1	211.8	211.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	236.3	237.0	237.3	237.3	237.2	237.1	237.1
115°	272.7	272.9	272.9	272.7	272.5	272.4	272.2
117.5°	309.7	309.7	309.5	309.1	308.7	308.3	307.9
120°	334.4	334.3	334.1	333.8	333.6	333.2	332.9
122.5°	359.3	359.0	358.6	358.2	357.7	357.4	357.0
125°	396.4	395.9	395.3	394.8	394.2	393.6	393.0
127.5°	433.1	432.3	431.5	430.9	430.2	429.6	429.0
130°	457.8	457.2	456.4	455.5	454.4	453.5	452.5
132.5°	481.5	480.8	480.1	479.3	478.5	477.8	477.0
135°	517.2	516.7	516.3	515.9	515.7	515.4	515.1
137.5°	552.0	551.5	550.9	550.4	549.7	549.2	548.7
140°	575.4	575.2	574.6	573.7	572.7	571.7	570.7
142.5°	596.8	596.7	596.2	595.5	594.7	593.9	593.1
145°	628.4	628.3	627.9	627.3	626.8	626.2	625.7
147.5°	658.4	658.4	658.0	657.1	656.3	655.4	654.5
150°	676.7	676.7	676.3	675.5	674.7	673.8	673.0
152.5°	693.8	694.1	693.8	693.0	692.3	691.6	690.9
155°	718.8	719.3	719.1	718.1	717.1	716.1	715.1
157.5°	739.9	740.5	740.4	739.6	738.8	738.0	737.2
160°	753.0	753.7	753.8	753.3	752.7	752.1	751.6
162.5°	765.3	766.0	765.9	765.0	764.1	763.2	762.2
165°	780.9	781.8	781.7	780.8	779.7	778.8	777.7
167.5°	793.6	794.4	794.4	793.6	792.6	791.8	790.9
170°	800.6	801.5	801.5	800.6	799.5	798.6	797.5
172.5°	805.8	806.7	806.7	805.6	804.7	803.7	802.7
175°	811.6	812.4	812.4	811.4	810.4	809.4	808.4
177.5°	814.1	814.8	814.7	813.9	813.0	812.3	811.5
180°	813.6	813.6	813.6	813.6	813.6	813.6	813.6

(END OF REPORT)