

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: P332394-935

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332394-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
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-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 755 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3769.7 lumens
Efficiency: N/A
Efficacy: 124.0 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

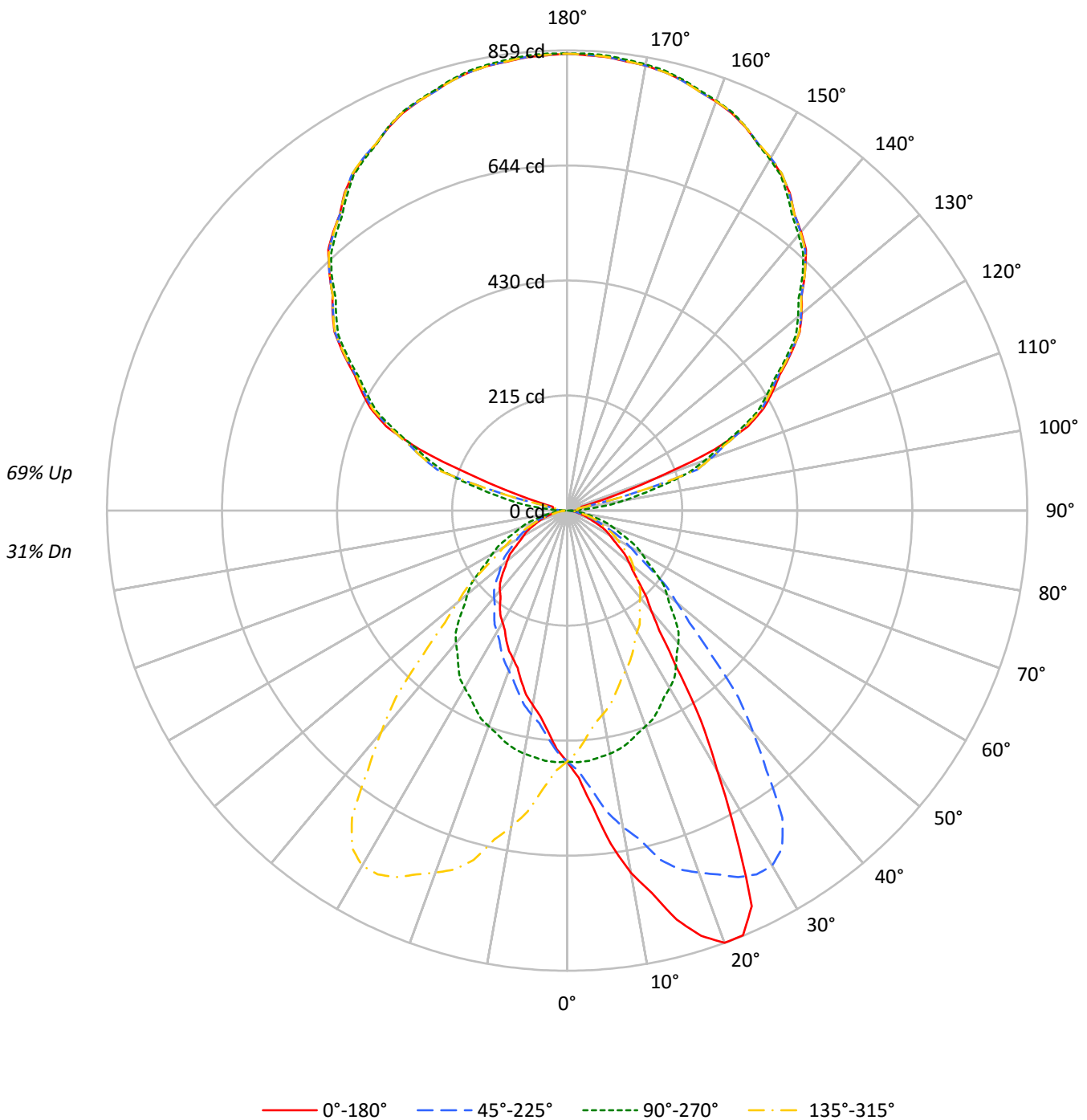
Input Watts (W): 30.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	90	86	83	84	81	78	75	64	62	60	49	48	46	35	34	33	27
2	86	79	73	68	77	71	66	62	57	53	50	43	41	39	31	30	29	23
3	78	70	63	57	70	63	57	52	50	46	43	39	36	34	28	26	25	20
4	72	62	54	49	64	56	49	45	45	40	37	35	31	29	25	23	22	17
5	66	55	47	42	59	50	43	38	40	35	32	31	28	25	23	21	19	15
6	61	49	42	36	54	45	38	33	36	31	28	28	25	22	21	18	17	14
7	56	44	37	32	50	40	34	29	33	28	24	26	22	20	19	17	15	12
8	52	40	33	28	47	37	30	26	30	25	22	23	20	18	17	15	14	11
9	48	37	30	25	44	34	27	23	27	23	19	22	18	16	16	14	12	10
10	45	34	27	22	41	31	25	21	25	21	17	20	17	14	15	13	11	9

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	1.2
10°-20°	144.0	3.8
20°-30°	226.2	6.0
30°-40°	236.0	6.3
40°-50°	201.9	5.4
50°-60°	153.9	4.1
60°-70°	98.7	2.6
70°-80°	47.5	1.3
80°-90°	14.9	0.4
90°-100°	31.0	0.8
100°-110°	147.8	3.9
110°-120°	355.0	9.4
120°-130°	452.0	12.0
130°-140°	482.9	12.8
140°-150°	451.6	12.0
150°-160°	364.3	9.7
160°-170°	235.1	6.2
170°-180°	81.0	2.1
0°-30°	416.2	11.0
0°-40°	652.2	17.3
0°-60°	1008.0	26.7
0°-90°	1169.1	31.0
90°-120°	533.7	14.2
90°-150°	1920.2	50.9
90°-180°	2601.0	69.0
0°-180°	3769.7	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	9
95°	24	39	24	39	24	20
105°	28	189	28	189	28	64
115°	373	354	373	354	373	344
125°	509	499	509	499	509	455
135°	628	622	628	622	628	484
145°	724	717	724	717	724	452
155°	789	790	789	790	789	364
165°	831	833	831	833	831	235
175°	850	853	850	853	850	81
180°	853	853	853	853	853	



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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	5.2	5.4	5.2	4.9
90°	19.0	18.7	18.4	18.2	17.9	17.5	16.9	16.4	15.8	15.2	13.3
92.5°	21.0	20.8	20.7	20.5	20.3	19.8	18.9	18.0	17.1	16.2	14.8
95°	24.1	24.1	24.1	24.1	24.1	23.6	22.6	21.6	20.7	19.6	18.1
97.5°	26.1	26.0	25.8	25.7	25.6	24.9	23.8	22.6	21.5	20.4	30.6
100°	26.6	26.4	26.3	26.2	26.1	25.4	24.3	23.2	22.0	20.9	42.9
102.5°	27.1	26.9	26.6	26.3	26.1	27.7	31.3	34.7	38.2	41.7	65.7
105°	27.9	27.6	27.3	27.0	26.8	39.1	64.0	88.9	113.8	138.8	151.4
107.5°	87.6	106.3	125.1	143.9	162.7	181.2	199.5	217.7	236.0	254.3	252.4
110°	174.3	194.3	214.5	234.6	254.8	267.2	271.8	276.5	281.1	285.8	284.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	298.9	303.2	307.5	311.7	315.9	318.1	318.0	317.9	317.8	317.7	316.2
115°	372.6	372.0	371.4	370.8	370.3	369.3	367.9	366.5	365.1	363.7	362.4
117.5°	413.9	413.7	413.6	413.5	413.4	412.8	411.6	410.5	409.4	408.3	407.6
120°	442.2	442.2	442.2	442.2	442.2	441.7	440.6	439.5	438.3	437.1	436.8
122.5°	470.1	470.0	469.8	469.8	469.7	469.2	468.4	467.6	466.8	466.1	465.5
125°	509.4	509.1	508.9	508.6	508.2	508.0	507.7	507.4	507.1	506.9	506.3
127.5°	547.2	547.4	547.7	548.0	548.3	548.2	547.8	547.3	546.8	546.4	545.7
130°	571.4	571.8	572.0	572.3	572.7	572.5	571.9	571.4	570.8	570.2	569.6
132.5°	593.7	594.2	594.6	595.0	595.4	595.3	594.7	594.2	593.6	593.1	592.5
135°	627.8	628.3	628.7	629.1	629.6	629.6	629.1	628.7	628.3	627.8	627.3
137.5°	660.0	660.2	660.5	660.8	661.1	660.9	660.2	659.5	658.8	658.1	657.9
140°	679.2	679.5	679.8	680.0	680.4	680.2	679.6	679.1	678.5	678.0	677.5
142.5°	696.9	697.3	697.8	698.1	698.5	698.4	698.0	697.6	697.2	696.7	696.3
145°	724.2	724.2	724.2	724.2	724.2	724.0	723.8	723.5	723.2	722.9	722.6
147.5°	744.4	745.1	745.7	746.4	747.0	747.3	746.9	746.7	746.4	746.1	745.8
150°	759.7	760.1	760.5	761.0	761.4	761.4	761.1	760.9	760.6	760.3	760.0
152.5°	771.8	772.5	773.1	773.8	774.4	774.5	774.0	773.4	772.9	772.5	772.3
155°	788.8	789.6	790.5	791.3	792.2	792.3	791.5	790.8	790.1	789.5	789.3
157.5°	803.1	804.3	805.3	806.4	807.5	807.6	806.8	806.0	805.1	804.3	804.4
160°	812.3	813.2	814.2	815.2	816.2	816.2	815.5	814.6	813.7	812.9	813.0
162.5°	820.9	821.7	822.6	823.5	824.3	824.3	823.4	822.4	821.5	820.4	820.6
165°	831.2	832.2	833.2	834.2	835.2	835.1	834.0	832.8	831.7	830.6	830.8
167.5°	838.7	839.8	840.9	842.1	843.3	843.3	842.1	840.9	839.8	838.7	838.7
170°	843.3	844.4	845.5	846.7	847.8	847.8	846.7	845.5	844.4	843.3	843.3
172.5°	845.8	847.1	848.3	849.5	850.8	850.8	849.7	848.6	847.5	846.4	846.2
175°	849.6	850.8	851.9	853.0	854.1	854.2	853.3	852.2	851.3	850.2	850.2
177.5°	850.8	851.9	853.0	854.1	855.2	855.4	854.5	853.6	852.6	851.8	851.7
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



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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°	11.5	9.7	7.9	6.3	4.8	3.4	2.1	0.6	2.1	3.4	4.8
92.5°	13.4	12.1	10.7	10.2	10.6	11.0	11.4	11.8	11.4	11.0	10.6
95°	16.5	15.0	13.4	15.6	21.4	27.1	32.9	38.7	32.9	27.1	21.4
97.5°	40.6	50.8	61.0	67.3	69.9	72.5	75.1	77.7	75.1	72.5	69.9
100°	64.8	86.8	108.7	118.3	115.5	112.7	109.9	107.1	109.9	112.7	115.5
102.5°	89.6	113.7	137.7	148.6	146.6	144.6	142.6	140.5	142.6	144.6	146.6
105°	164.1	176.8	189.4	195.0	193.5	191.9	190.4	188.8	190.4	191.9	193.5
107.5°	250.3	248.3	246.3	244.7	243.5	242.2	241.0	239.7	241.0	242.2	243.5
110°	282.7	281.1	279.6	278.2	277.1	276.0	274.8	273.7	274.8	276.0	277.1



TEST NUMBER: P332394-935

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	314.6	313.1	311.5	310.2	309.2	308.2	307.1	306.2	307.1	308.2	309.2
115°	361.1	359.9	358.6	357.6	356.7	355.9	355.0	354.1	355.0	355.9	356.7
117.5°	407.0	406.3	405.7	404.8	403.8	402.8	401.7	400.7	401.7	402.8	403.8
120°	436.4	435.9	435.5	434.6	433.3	432.1	430.8	429.6	430.8	432.1	433.3
122.5°	465.0	464.4	463.9	463.1	462.1	461.1	460.0	459.0	460.0	461.1	462.1
125°	505.8	505.1	504.6	503.8	502.7	501.5	500.4	499.3	500.4	501.5	502.7
127.5°	545.0	544.4	543.7	542.8	541.7	540.5	539.4	538.3	539.4	540.5	541.7
130°	569.1	568.5	568.0	567.1	566.0	564.9	563.8	562.6	563.8	564.9	566.0
132.5°	592.1	591.7	591.2	590.5	589.3	588.1	587.0	585.9	587.0	588.1	589.3
135°	626.7	626.2	625.6	624.9	624.1	623.2	622.4	621.6	622.4	623.2	624.1
137.5°	657.5	657.2	656.9	656.3	655.1	654.1	653.0	651.9	653.0	654.1	655.1
140°	677.1	676.7	676.2	675.6	674.8	673.9	673.0	672.2	673.0	673.9	674.8
142.5°	695.9	695.4	695.0	694.4	693.5	692.7	691.8	691.0	691.8	692.7	693.5
145°	722.4	722.0	721.8	721.2	720.1	719.2	718.2	717.2	718.2	719.2	720.1
147.5°	745.5	745.3	744.9	744.5	743.8	743.2	742.5	741.9	742.5	743.2	743.8
150°	759.7	759.5	759.1	758.8	758.4	757.9	757.5	757.2	757.5	757.9	758.4
152.5°	772.1	772.0	771.8	771.6	771.4	771.2	771.0	770.8	771.0	771.2	771.4
155°	789.2	789.0	788.8	788.9	789.2	789.5	789.8	790.1	789.8	789.5	789.2
157.5°	804.5	804.7	804.9	804.9	804.9	804.9	805.0	805.0	805.0	804.9	804.9
160°	813.1	813.3	813.5	813.6	813.7	813.9	814.0	814.2	814.0	813.9	813.7
162.5°	820.8	820.9	821.0	821.3	821.7	822.0	822.4	822.8	822.4	822.0	821.7
165°	830.9	831.0	831.2	831.5	831.9	832.3	832.8	833.2	832.8	832.3	831.9
167.5°	838.7	838.7	838.7	839.0	839.6	840.2	840.7	841.3	840.7	840.2	839.6
170°	843.3	843.3	843.3	843.6	844.1	844.7	845.2	845.8	845.2	844.7	844.1
172.5°	846.1	846.0	845.8	846.2	846.9	847.5	848.2	848.9	848.2	847.5	846.9
175°	850.0	849.8	849.7	850.0	850.7	851.4	852.0	852.8	852.0	851.4	850.7
177.5°	851.5	851.4	851.4	851.5	852.1	852.6	853.3	853.8	853.3	852.6	852.1
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



TEST NUMBER: P332394-935

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

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	7.6	8.1	8.4	8.6	8.7	9.0	9.1	9.2
90°	6.3	7.9	9.7	11.5	13.3	15.2	15.8	16.4	16.9	17.5	17.9
92.5°	10.2	10.7	12.1	13.4	14.8	16.2	17.1	18.0	18.9	19.8	20.3
95°	15.6	13.4	15.0	16.5	18.1	19.6	20.7	21.6	22.6	23.6	24.1
97.5°	67.3	61.0	50.8	40.6	30.6	20.4	21.5	22.6	23.8	24.9	25.6
100°	118.3	108.7	86.8	64.8	42.9	20.9	22.0	23.2	24.3	25.4	26.1
102.5°	148.6	137.7	113.7	89.6	65.7	41.7	38.2	34.7	31.3	27.7	26.1
105°	195.0	189.4	176.8	164.1	151.4	138.8	113.8	88.9	64.0	39.1	26.8
107.5°	244.7	246.3	248.3	250.3	252.4	254.3	236.0	217.7	199.5	181.2	162.7
110°	278.2	279.6	281.1	282.7	284.2	285.8	281.1	276.5	271.8	267.2	254.8



TEST NUMBER: P332394-935

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	310.2	311.5	313.1	314.6	316.2	317.7	317.8	317.9	318.0	318.1	315.9
115°	357.6	358.6	359.9	361.1	362.4	363.7	365.1	366.5	367.9	369.3	370.3
117.5°	404.8	405.7	406.3	407.0	407.6	408.3	409.4	410.5	411.6	412.8	413.4
120°	434.6	435.5	435.9	436.4	436.8	437.1	438.3	439.5	440.6	441.7	442.2
122.5°	463.1	463.9	464.4	465.0	465.5	466.1	466.8	467.6	468.4	469.2	469.7
125°	503.8	504.6	505.1	505.8	506.3	506.9	507.1	507.4	507.7	508.0	508.2
127.5°	542.8	543.7	544.4	545.0	545.7	546.4	546.8	547.3	547.8	548.2	548.3
130°	567.1	568.0	568.5	569.1	569.6	570.2	570.8	571.4	571.9	572.5	572.7
132.5°	590.5	591.2	591.7	592.1	592.5	593.1	593.6	594.2	594.7	595.3	595.4
135°	624.9	625.6	626.2	626.7	627.3	627.8	628.3	628.7	629.1	629.6	629.6
137.5°	656.3	656.9	657.2	657.5	657.9	658.1	658.8	659.5	660.2	660.9	661.1
140°	675.6	676.2	676.7	677.1	677.5	678.0	678.5	679.1	679.6	680.2	680.4
142.5°	694.4	695.0	695.4	695.9	696.3	696.7	697.2	697.6	698.0	698.4	698.5
145°	721.2	721.8	722.0	722.4	722.6	722.9	723.2	723.5	723.8	724.0	724.2
147.5°	744.5	744.9	745.3	745.5	745.8	746.1	746.4	746.7	746.9	747.3	747.0
150°	758.8	759.1	759.5	759.7	760.0	760.3	760.6	760.9	761.1	761.4	761.4
152.5°	771.6	771.8	772.0	772.1	772.3	772.5	772.9	773.4	774.0	774.5	774.4
155°	788.9	788.8	789.0	789.2	789.3	789.5	790.1	790.8	791.5	792.3	792.2
157.5°	804.9	804.9	804.7	804.5	804.4	804.3	805.1	806.0	806.8	807.6	807.5
160°	813.6	813.5	813.3	813.1	813.0	812.9	813.7	814.6	815.5	816.2	816.2
162.5°	821.3	821.0	820.9	820.8	820.6	820.4	821.5	822.4	823.4	824.3	824.3
165°	831.5	831.2	831.0	830.9	830.8	830.6	831.7	832.8	834.0	835.1	835.2
167.5°	839.0	838.7	838.7	838.7	838.7	838.7	839.8	840.9	842.1	843.3	843.3
170°	843.6	843.3	843.3	843.3	843.3	843.3	844.4	845.5	846.7	847.8	847.8
172.5°	846.2	845.8	846.0	846.1	846.2	846.4	847.5	848.6	849.7	850.8	850.8
175°	850.0	849.7	849.8	850.0	850.2	850.2	851.3	852.2	853.3	854.2	854.1
177.5°	851.5	851.4	851.4	851.5	851.7	851.8	852.6	853.6	854.5	855.4	855.2
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



TEST NUMBER: P332394-935

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

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	8.7
90°	18.2	18.4	18.7	19.0	18.7	18.4	18.2	17.9	17.5	16.9	16.4
92.5°	20.5	20.7	20.8	21.0	20.8	20.7	20.5	20.3	19.8	18.9	18.0
95°	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	23.6	22.6	21.6
97.5°	25.7	25.8	26.0	26.1	26.0	25.8	25.7	25.6	24.9	23.8	22.6
100°	26.2	26.3	26.4	26.6	26.4	26.3	26.2	26.1	25.4	24.3	23.2
102.5°	26.3	26.6	26.9	27.1	26.9	26.6	26.3	26.1	27.7	31.3	34.7
105°	27.0	27.3	27.6	27.9	27.6	27.3	27.0	26.8	39.1	64.0	88.9
107.5°	143.9	125.1	106.3	87.6	106.3	125.1	143.9	162.7	181.2	199.5	217.7
110°	234.6	214.5	194.3	174.3	194.3	214.5	234.6	254.8	267.2	271.8	276.5



TEST NUMBER: P332394-935

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	311.7	307.5	303.2	298.9	303.2	307.5	311.7	315.9	318.1	318.0	317.9
115°	370.8	371.4	372.0	372.6	372.0	371.4	370.8	370.3	369.3	367.9	366.5
117.5°	413.5	413.6	413.7	413.9	413.7	413.6	413.5	413.4	412.8	411.6	410.5
120°	442.2	442.2	442.2	442.2	442.2	442.2	442.2	442.2	441.7	440.6	439.5
122.5°	469.8	469.8	470.0	470.1	470.0	469.8	469.8	469.7	469.2	468.4	467.6
125°	508.6	508.9	509.1	509.4	509.1	508.9	508.6	508.2	508.0	507.7	507.4
127.5°	548.0	547.7	547.4	547.2	547.4	547.7	548.0	548.3	548.2	547.8	547.3
130°	572.3	572.0	571.8	571.4	571.8	572.0	572.3	572.7	572.5	571.9	571.4
132.5°	595.0	594.6	594.2	593.7	594.2	594.6	595.0	595.4	595.3	594.7	594.2
135°	629.1	628.7	628.3	627.8	628.3	628.7	629.1	629.6	629.6	629.1	628.7
137.5°	660.8	660.5	660.2	660.0	660.2	660.5	660.8	661.1	660.9	660.2	659.5
140°	680.0	679.8	679.5	679.2	679.5	679.8	680.0	680.4	680.2	679.6	679.1
142.5°	698.1	697.8	697.3	696.9	697.3	697.8	698.1	698.5	698.4	698.0	697.6
145°	724.2	724.2	724.2	724.2	724.2	724.2	724.2	724.2	724.0	723.8	723.5
147.5°	746.4	745.7	745.1	744.4	745.1	745.7	746.4	747.0	747.3	746.9	746.7
150°	761.0	760.5	760.1	759.7	760.1	760.5	761.0	761.4	761.4	761.1	760.9
152.5°	773.8	773.1	772.5	771.8	772.5	773.1	773.8	774.4	774.5	774.0	773.4
155°	791.3	790.5	789.6	788.8	789.6	790.5	791.3	792.2	792.3	791.5	790.8
157.5°	806.4	805.3	804.3	803.1	804.3	805.3	806.4	807.5	807.6	806.8	806.0
160°	815.2	814.2	813.2	812.3	813.2	814.2	815.2	816.2	816.2	815.5	814.6
162.5°	823.5	822.6	821.7	820.9	821.7	822.6	823.5	824.3	824.3	823.4	822.4
165°	834.2	833.2	832.2	831.2	832.2	833.2	834.2	835.2	835.1	834.0	832.8
167.5°	842.1	840.9	839.8	838.7	839.8	840.9	842.1	843.3	843.3	842.1	840.9
170°	846.7	845.5	844.4	843.3	844.4	845.5	846.7	847.8	847.8	846.7	845.5
172.5°	849.5	848.3	847.1	845.8	847.1	848.3	849.5	850.8	850.8	849.7	848.6
175°	853.0	851.9	850.8	849.6	850.8	851.9	853.0	854.1	854.2	853.3	852.2
177.5°	854.1	853.0	851.9	850.8	851.9	853.0	854.1	855.2	855.4	854.5	853.6
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



TEST NUMBER: P332394-935

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

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	8.1	7.6	7.1	6.5	5.8	5.6	5.3	5.7	5.3
90°	15.8	15.2	13.3	11.5	9.7	7.9	6.3	4.8	3.4	2.1	0.6
92.5°	17.1	16.2	14.8	13.4	12.1	10.7	10.2	10.6	11.0	11.4	11.8
95°	20.7	19.6	18.1	16.5	15.0	13.4	15.6	21.4	27.1	32.9	38.7
97.5°	21.5	20.4	30.6	40.6	50.8	61.0	67.3	69.9	72.5	75.1	77.7
100°	22.0	20.9	42.9	64.8	86.8	108.7	118.3	115.5	112.7	109.9	107.1
102.5°	38.2	41.7	65.7	89.6	113.7	137.7	148.6	146.6	144.6	142.6	140.5
105°	113.8	138.8	151.4	164.1	176.8	189.4	195.0	193.5	191.9	190.4	188.8
107.5°	236.0	254.3	252.4	250.3	248.3	246.3	244.7	243.5	242.2	241.0	239.7
110°	281.1	285.8	284.2	282.7	281.1	279.6	278.2	277.1	276.0	274.8	273.7



TEST NUMBER: P332394-935

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	317.8	317.7	316.2	314.6	313.1	311.5	310.2	309.2	308.2	307.1	306.2
115°	365.1	363.7	362.4	361.1	359.9	358.6	357.6	356.7	355.9	355.0	354.1
117.5°	409.4	408.3	407.6	407.0	406.3	405.7	404.8	403.8	402.8	401.7	400.7
120°	438.3	437.1	436.8	436.4	435.9	435.5	434.6	433.3	432.1	430.8	429.6
122.5°	466.8	466.1	465.5	465.0	464.4	463.9	463.1	462.1	461.1	460.0	459.0
125°	507.1	506.9	506.3	505.8	505.1	504.6	503.8	502.7	501.5	500.4	499.3
127.5°	546.8	546.4	545.7	545.0	544.4	543.7	542.8	541.7	540.5	539.4	538.3
130°	570.8	570.2	569.6	569.1	568.5	568.0	567.1	566.0	564.9	563.8	562.6
132.5°	593.6	593.1	592.5	592.1	591.7	591.2	590.5	589.3	588.1	587.0	585.9
135°	628.3	627.8	627.3	626.7	626.2	625.6	624.9	624.1	623.2	622.4	621.6
137.5°	658.8	658.1	657.9	657.5	657.2	656.9	656.3	655.1	654.1	653.0	651.9
140°	678.5	678.0	677.5	677.1	676.7	676.2	675.6	674.8	673.9	673.0	672.2
142.5°	697.2	696.7	696.3	695.9	695.4	695.0	694.4	693.5	692.7	691.8	691.0
145°	723.2	722.9	722.6	722.4	722.0	721.8	721.2	720.1	719.2	718.2	717.2
147.5°	746.4	746.1	745.8	745.5	745.3	744.9	744.5	743.8	743.2	742.5	741.9
150°	760.6	760.3	760.0	759.7	759.5	759.1	758.8	758.4	757.9	757.5	757.2
152.5°	772.9	772.5	772.3	772.1	772.0	771.8	771.6	771.4	771.2	771.0	770.8
155°	790.1	789.5	789.3	789.2	789.0	788.8	788.9	789.2	789.5	789.8	790.1
157.5°	805.1	804.3	804.4	804.5	804.7	804.9	804.9	804.9	804.9	805.0	805.0
160°	813.7	812.9	813.0	813.1	813.3	813.5	813.6	813.7	813.9	814.0	814.2
162.5°	821.5	820.4	820.6	820.8	820.9	821.0	821.3	821.7	822.0	822.4	822.8
165°	831.7	830.6	830.8	830.9	831.0	831.2	831.5	831.9	832.3	832.8	833.2
167.5°	839.8	838.7	838.7	838.7	838.7	838.7	839.0	839.6	840.2	840.7	841.3
170°	844.4	843.3	843.3	843.3	843.3	843.3	843.6	844.1	844.7	845.2	845.8
172.5°	847.5	846.4	846.2	846.1	846.0	845.8	846.2	846.9	847.5	848.2	848.9
175°	851.3	850.2	850.2	850.0	849.8	849.7	850.0	850.7	851.4	852.0	852.8
177.5°	852.6	851.8	851.7	851.5	851.4	851.4	851.5	852.1	852.6	853.3	853.8
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



TEST NUMBER: P332394-935

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

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	5.2
90°	2.1	3.4	4.8	6.3	7.9	9.7	11.5	13.3	15.2	15.8	16.4
92.5°	11.4	11.0	10.6	10.2	10.7	12.1	13.4	14.8	16.2	17.1	18.0
95°	32.9	27.1	21.4	15.6	13.4	15.0	16.5	18.1	19.6	20.7	21.6
97.5°	75.1	72.5	69.9	67.3	61.0	50.8	40.6	30.6	20.4	21.5	22.6
100°	109.9	112.7	115.5	118.3	108.7	86.8	64.8	42.9	20.9	22.0	23.2
102.5°	142.6	144.6	146.6	148.6	137.7	113.7	89.6	65.7	41.7	38.2	34.7
105°	190.4	191.9	193.5	195.0	189.4	176.8	164.1	151.4	138.8	113.8	88.9
107.5°	241.0	242.2	243.5	244.7	246.3	248.3	250.3	252.4	254.3	236.0	217.7
110°	274.8	276.0	277.1	278.2	279.6	281.1	282.7	284.2	285.8	281.1	276.5



TEST NUMBER: P332394-935

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

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	307.1	308.2	309.2	310.2	311.5	313.1	314.6	316.2	317.7	317.8	317.9
115°	355.0	355.9	356.7	357.6	358.6	359.9	361.1	362.4	363.7	365.1	366.5
117.5°	401.7	402.8	403.8	404.8	405.7	406.3	407.0	407.6	408.3	409.4	410.5
120°	430.8	432.1	433.3	434.6	435.5	435.9	436.4	436.8	437.1	438.3	439.5
122.5°	460.0	461.1	462.1	463.1	463.9	464.4	465.0	465.5	466.1	466.8	467.6
125°	500.4	501.5	502.7	503.8	504.6	505.1	505.8	506.3	506.9	507.1	507.4
127.5°	539.4	540.5	541.7	542.8	543.7	544.4	545.0	545.7	546.4	546.8	547.3
130°	563.8	564.9	566.0	567.1	568.0	568.5	569.1	569.6	570.2	570.8	571.4
132.5°	587.0	588.1	589.3	590.5	591.2	591.7	592.1	592.5	593.1	593.6	594.2
135°	622.4	623.2	624.1	624.9	625.6	626.2	626.7	627.3	627.8	628.3	628.7
137.5°	653.0	654.1	655.1	656.3	656.9	657.2	657.5	657.9	658.1	658.8	659.5
140°	673.0	673.9	674.8	675.6	676.2	676.7	677.1	677.5	678.0	678.5	679.1
142.5°	691.8	692.7	693.5	694.4	695.0	695.4	695.9	696.3	696.7	697.2	697.6
145°	718.2	719.2	720.1	721.2	721.8	722.0	722.4	722.6	722.9	723.2	723.5
147.5°	742.5	743.2	743.8	744.5	744.9	745.3	745.5	745.8	746.1	746.4	746.7
150°	757.5	757.9	758.4	758.8	759.1	759.5	759.7	760.0	760.3	760.6	760.9
152.5°	771.0	771.2	771.4	771.6	771.8	772.0	772.1	772.3	772.5	772.9	773.4
155°	789.8	789.5	789.2	788.9	788.8	789.0	789.2	789.3	789.5	790.1	790.8
157.5°	805.0	804.9	804.9	804.9	804.9	804.7	804.5	804.4	804.3	805.1	806.0
160°	814.0	813.9	813.7	813.6	813.5	813.3	813.1	813.0	812.9	813.7	814.6
162.5°	822.4	822.0	821.7	821.3	821.0	820.9	820.8	820.6	820.4	821.5	822.4
165°	832.8	832.3	831.9	831.5	831.2	831.0	830.9	830.8	830.6	831.7	832.8
167.5°	840.7	840.2	839.6	839.0	838.7	838.7	838.7	838.7	838.7	839.8	840.9
170°	845.2	844.7	844.1	843.6	843.3	843.3	843.3	843.3	843.3	844.4	845.5
172.5°	848.2	847.5	846.9	846.2	845.8	846.0	846.1	846.2	846.4	847.5	848.6
175°	852.0	851.4	850.7	850.0	849.7	849.8	850.0	850.2	850.2	851.3	852.2
177.5°	853.3	852.6	852.1	851.5	851.4	851.4	851.5	851.7	851.8	852.6	853.6
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



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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°	16.9	17.5	17.9	18.2	18.4	18.7	19.0
92.5°	18.9	19.8	20.3	20.5	20.7	20.8	21.0
95°	22.6	23.6	24.1	24.1	24.1	24.1	24.1
97.5°	23.8	24.9	25.6	25.7	25.8	26.0	26.1
100°	24.3	25.4	26.1	26.2	26.3	26.4	26.6
102.5°	31.3	27.7	26.1	26.3	26.6	26.9	27.1
105°	64.0	39.1	26.8	27.0	27.3	27.6	27.9
107.5°	199.5	181.2	162.7	143.9	125.1	106.3	87.6
110°	271.8	267.2	254.8	234.6	214.5	194.3	174.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	318.0	318.1	315.9	311.7	307.5	303.2	298.9
115°	367.9	369.3	370.3	370.8	371.4	372.0	372.6
117.5°	411.6	412.8	413.4	413.5	413.6	413.7	413.9
120°	440.6	441.7	442.2	442.2	442.2	442.2	442.2
122.5°	468.4	469.2	469.7	469.8	469.8	470.0	470.1
125°	507.7	508.0	508.2	508.6	508.9	509.1	509.4
127.5°	547.8	548.2	548.3	548.0	547.7	547.4	547.2
130°	571.9	572.5	572.7	572.3	572.0	571.8	571.4
132.5°	594.7	595.3	595.4	595.0	594.6	594.2	593.7
135°	629.1	629.6	629.6	629.1	628.7	628.3	627.8
137.5°	660.2	660.9	661.1	660.8	660.5	660.2	660.0
140°	679.6	680.2	680.4	680.0	679.8	679.5	679.2
142.5°	698.0	698.4	698.5	698.1	697.8	697.3	696.9
145°	723.8	724.0	724.2	724.2	724.2	724.2	724.2
147.5°	746.9	747.3	747.0	746.4	745.7	745.1	744.4
150°	761.1	761.4	761.4	761.0	760.5	760.1	759.7
152.5°	774.0	774.5	774.4	773.8	773.1	772.5	771.8
155°	791.5	792.3	792.2	791.3	790.5	789.6	788.8
157.5°	806.8	807.6	807.5	806.4	805.3	804.3	803.1
160°	815.5	816.2	816.2	815.2	814.2	813.2	812.3
162.5°	823.4	824.3	824.3	823.5	822.6	821.7	820.9
165°	834.0	835.1	835.2	834.2	833.2	832.2	831.2
167.5°	842.1	843.3	843.3	842.1	840.9	839.8	838.7
170°	846.7	847.8	847.8	846.7	845.5	844.4	843.3
172.5°	849.7	850.8	850.8	849.5	848.3	847.1	845.8
175°	853.3	854.2	854.1	853.0	851.9	850.8	849.6
177.5°	854.5	855.4	855.2	854.1	853.0	851.9	850.8
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8

(END OF REPORT)