

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: P332492-927

Luminaire Tested: **SA4XXDIP-C350D365U927-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332492-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C350D365U927-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2285.9 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

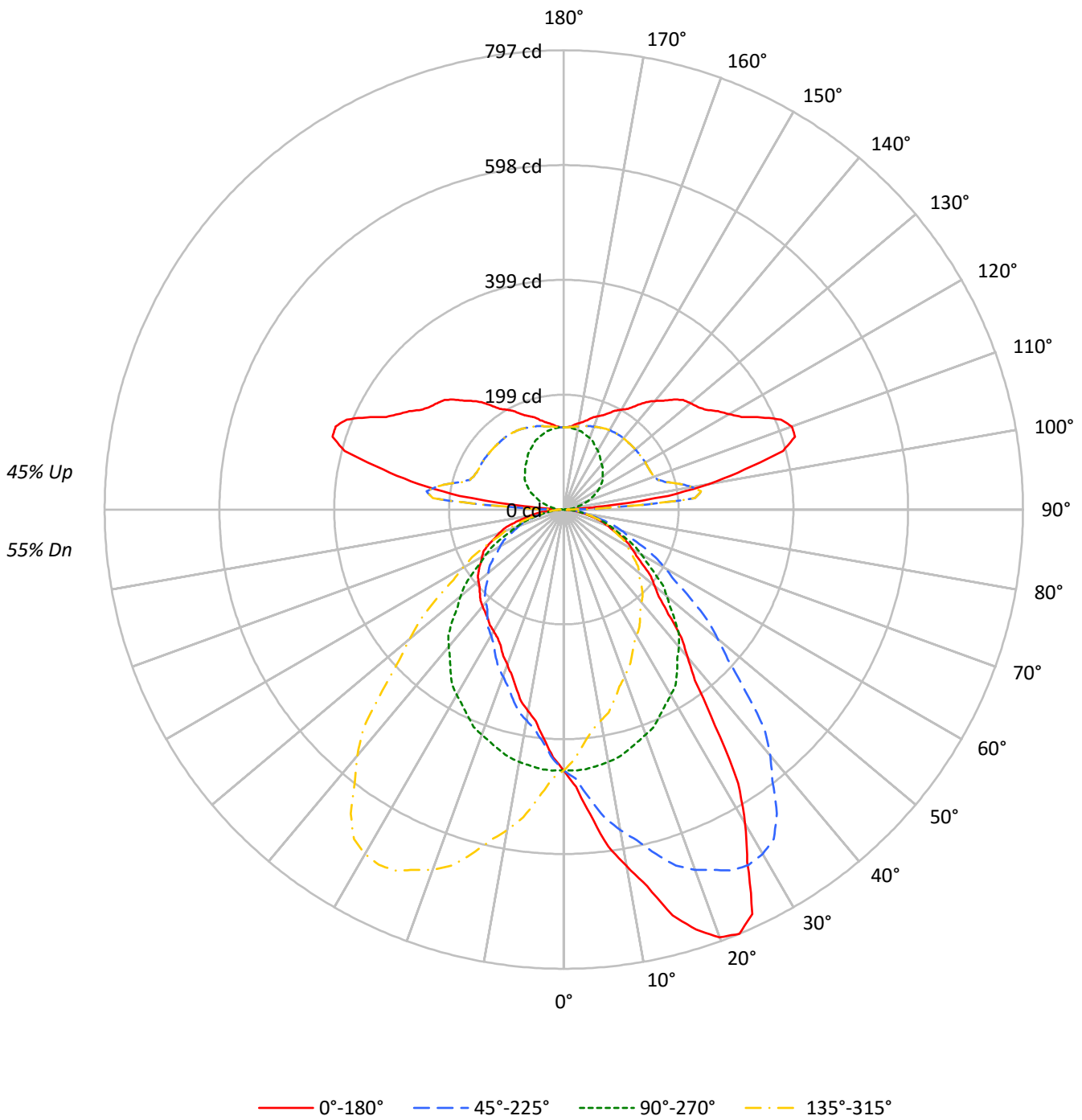
Input Watts (W): 20.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55				
1	99	95	91	87	92	88	85	82	76	73	71	64	63	61	54	53	51	46				
2	90	83	77	72	84	77	72	68	67	63	59	57	54	51	48	46	44	39				
3	83	73	66	60	76	68	62	57	59	54	50	50	47	44	42	40	38	34				
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	33	29				
5	70	58	50	44	64	54	47	42	47	42	37	41	36	33	34	31	28	25				
6	64	52	44	38	59	49	42	36	43	37	33	37	32	29	31	28	25	22				
7	59	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	22	20				
8	55	43	35	30	51	40	33	28	35	30	26	31	26	23	26	23	20	18				
9	51	39	32	27	48	37	30	25	32	27	23	28	24	21	24	21	18	16				
10	48	36	29	24	45	34	27	23	30	25	21	26	22	19	23	19	17	15				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3654	3654	3654	3654
5°	4302	3663	3233	3663
10°	5151	3647	2911	3647
15°	6095	3611	2674	3611
20°	6787	3572	2461	3572
25°	6897	3517	2314	3517
30°	5868	3464	2269	3464
35°	4512	3377	2269	3377
40°	3517	3276	2312	3276
45°	2932	3123	2351	3123
50°	2581	2936	2430	2936
55°	2365	2712	2528	2712
60°	2215	2512	2645	2512
65°	2063	2288	2743	2288
70°	1886	2065	2804	2065
75°	1684	1818	2773	1818
80°	1409	1492	2687	1492
85°	1037	1074	2566	1074



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.1	1.9
10°-20°	135.9	5.9
20°-30°	215.5	9.4
30°-40°	239.8	10.5
40°-50°	218.3	9.6
50°-60°	178.4	7.8
60°-70°	127.4	5.6
70°-80°	70.1	3.1
80°-90°	19.9	0.9
90°-100°	102.9	4.5
100°-110°	214.2	9.4
110°-120°	191.9	8.4
120°-130°	161.4	7.1
130°-140°	134.6	5.9
140°-150°	102.8	4.5
150°-160°	72.3	3.2
160°-170°	42.5	1.9
170°-180°	13.8	0.6
0°-30°	395.5	17.3
0°-40°	635.3	27.8
0°-60°	1032.1	45.1
0°-90°	1249.5	54.7
90°-120°	509.0	22.3
90°-150°	907.8	39.7
90°-180°	1036.0	45.3
0°-180°	2285.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	453	453	453	453	453	
5°	531	452	399	452	531	54
15°	729	432	320	432	729	206
25°	774	395	260	395	774	341
35°	458	343	230	343	458	291
45°	257	274	206	274	257	202
55°	168	193	180	193	168	152
65°	108	120	144	120	108	107
75°	54	58	89	58	54	57
85°	11	12	28	12	11	14
90°	6	0	6	0	6	5
95°	68	9	68	9	68	106
105°	394	33	394	33	394	389
115°	378	58	378	58	378	375
125°	302	80	302	80	302	274
135°	270	96	270	96	270	208
145°	220	110	220	110	220	140
155°	184	125	184	125	184	86
165°	161	136	161	136	161	46
175°	145	142	145	142	145	14
180°	142	142	142	142	142	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6
2.5°	481.6	481.6	480.1	479.7	478.7	477.4	477.1	474.6	469.8	467.5	467.0
5°	530.9	534.7	529.8	528.9	528.3	522.1	519.0	515.2	506.6	501.5	497.6
7.5°	589.8	590.2	588.0	586.4	581.5	576.2	568.1	559.4	549.1	538.5	530.4
10°	628.4	629.9	627.5	627.2	617.6	611.6	599.6	589.5	577.8	564.9	553.1
12.5°	669.2	667.2	665.9	657.9	656.1	645.2	631.2	620.8	602.9	588.0	572.3
15°	729.3	725.2	722.5	711.5	706.1	690.9	676.0	664.6	641.2	618.9	602.0
17.5°	764.5	768.7	762.6	758.0	744.0	733.3	718.2	694.2	675.9	648.2	626.9
20°	790.0	790.4	787.0	782.4	771.3	757.8	741.3	715.1	693.2	665.6	636.3
22.5°	796.9	797.0	795.6	791.2	782.8	771.9	755.3	733.3	706.8	676.8	647.5
25°	774.3	773.6	775.2	780.1	777.0	773.6	764.0	747.7	722.9	691.3	659.7
27.5°	690.1	695.4	704.9	716.8	728.4	737.2	739.7	736.3	721.0	695.0	661.9
30°	629.5	636.0	643.1	655.1	678.3	691.7	706.2	717.3	711.1	690.3	659.6
32.5°	563.0	564.6	575.1	588.7	610.1	635.6	658.9	681.4	688.8	677.9	652.2
35°	457.8	460.5	471.9	485.4	511.4	542.8	577.7	608.8	634.5	644.8	631.6
37.5°	373.6	381.1	389.2	403.7	426.7	454.9	491.1	531.4	569.7	595.3	599.7
40°	333.7	338.4	344.2	355.3	374.8	402.5	433.6	479.7	520.5	557.2	569.2
42.5°	302.2	305.0	308.6	318.5	333.4	361.0	389.4	430.0	470.8	514.8	534.9
45°	256.8	259.7	265.7	271.5	282.7	301.8	328.3	361.6	402.7	445.0	482.2
47.5°	224.1	225.9	229.4	235.7	245.3	257.9	279.3	307.2	345.2	386.4	426.0
50°	205.5	207.0	209.8	215.4	222.8	234.0	251.6	277.7	307.4	348.9	387.7
52.5°	190.8	191.4	193.5	197.3	203.1	212.5	227.0	248.6	276.3	313.2	351.9
55°	168.0	168.7	170.6	173.4	178.5	184.5	195.5	211.7	235.8	267.9	301.5
57.5°	149.2	149.8	151.3	152.4	156.6	161.4	170.0	181.5	199.8	227.0	257.0
60°	137.2	136.9	138.7	139.7	142.5	146.6	153.2	164.2	180.1	202.1	229.7
62.5°	125.6	125.0	126.6	127.9	129.4	132.9	138.3	146.9	159.9	179.7	203.6
65°	108.0	107.3	108.2	109.7	111.1	113.0	117.0	124.7	135.0	149.2	167.4
67.5°	90.4	91.2	91.3	92.1	92.9	95.5	98.2	103.6	110.9	122.3	137.7
70°	79.9	80.1	80.8	80.8	81.4	83.7	85.9	89.0	96.2	106.7	119.2
72.5°	69.4	70.2	69.9	70.4	70.9	72.4	74.0	77.1	83.1	90.9	101.6
75°	54.0	54.6	54.6	54.7	55.3	55.8	57.2	59.4	63.8	69.6	76.8
77.5°	39.4	39.5	39.7	40.4	40.4	41.3	42.2	44.0	46.2	50.1	54.7
80°	30.3	30.7	30.6	31.0	31.0	31.7	32.1	34.3	35.3	37.9	41.4
82.5°	22.3	22.7	22.6	23.1	23.4	23.6	24.1	25.0	26.0	28.3	29.7
85°	11.2	11.6	11.2	11.6	12.2	12.4	12.9	13.2	13.9	14.4	15.8
87.5°	4.4	4.9	5.0	5.1	5.3	5.5	5.5	5.4	5.9	6.1	6.6
90°	5.9	5.9	6.2	5.9	5.6	5.6	5.3	5.1	4.8	5.1	4.5
92.5°	21.5	21.5	22.5	24.0	27.3	33.0	41.4	55.0	74.0	88.8	77.7
95°	68.3	71.9	77.0	85.6	99.4	126.5	164.1	207.5	234.6	228.1	172.2
97.5°	182.6	188.5	196.9	213.7	233.8	263.0	290.4	306.5	294.8	240.3	161.1
100°	256.7	259.0	267.4	284.5	308.8	329.5	343.3	337.6	296.8	225.1	146.2
102.5°	321.2	323.1	331.9	344.3	359.2	367.8	363.8	336.1	280.0	206.0	136.1
105°	394.0	395.6	399.5	401.8	401.2	389.8	362.0	313.5	249.5	183.6	127.4
107.5°	420.9	420.2	417.4	411.0	397.2	372.2	333.2	281.6	224.8	171.1	125.8
110°	421.4	418.8	413.8	402.0	382.1	351.4	310.8	262.4	212.5	166.8	126.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	408.1	404.1	397.0	382.8	360.2	329.4	291.0	248.2	205.6	164.9	127.6
115°	378.3	376.0	367.0	350.2	328.1	301.3	268.5	234.1	199.1	163.8	130.2
117.5°	347.9	346.2	337.2	323.1	304.2	281.4	255.6	227.1	196.1	163.5	132.9
120°	331.0	327.9	320.6	308.2	292.3	272.4	250.0	223.9	194.6	163.5	135.0
122.5°	317.5	314.4	308.2	297.7	284.2	266.8	246.4	221.3	192.8	163.3	137.0
125°	301.8	300.2	294.9	286.7	275.5	260.1	240.7	216.7	189.8	163.0	140.0
127.5°	292.6	291.0	286.5	279.2	268.0	253.4	234.1	211.1	185.8	162.3	142.4
130°	287.2	285.6	281.1	274.1	262.6	247.8	228.8	206.6	183.4	162.1	144.2
132.5°	281.2	279.6	275.3	267.4	256.1	241.3	222.7	201.9	181.2	161.9	145.8
135°	269.9	268.2	263.7	255.9	244.7	230.7	213.7	195.4	177.8	161.5	148.1
137.5°	255.9	253.9	250.2	242.5	232.0	219.4	204.9	189.6	174.9	161.5	149.5
140°	245.8	243.6	239.6	233.5	223.7	211.9	199.3	186.2	173.3	161.3	150.6
142.5°	235.0	233.5	230.0	224.3	215.6	205.4	194.6	183.1	172.0	161.3	151.5
145°	220.3	219.0	216.1	211.4	204.4	196.5	188.1	178.6	169.7	160.7	152.0
147.5°	207.3	206.8	204.7	200.6	195.4	189.3	182.5	175.0	167.6	159.7	152.3
150°	199.9	199.6	198.0	194.3	189.8	184.8	179.2	172.8	166.0	159.0	152.3
152.5°	193.2	192.9	191.9	188.9	185.1	181.0	175.9	170.3	164.2	157.9	151.9
155°	184.5	184.5	183.6	181.4	178.6	175.2	171.0	166.6	161.5	156.2	151.2
157.5°	176.9	176.9	176.4	174.7	172.6	169.9	166.4	162.6	158.8	154.5	150.4
160°	172.2	172.2	171.9	170.2	168.6	166.3	163.2	160.2	156.8	153.1	149.8
162.5°	167.7	167.9	167.6	166.0	164.8	162.7	160.3	157.7	155.0	151.8	149.1
165°	161.0	161.3	161.5	160.4	159.3	157.9	156.0	154.2	152.0	149.8	147.8
167.5°	155.7	155.9	156.0	155.2	154.6	153.8	152.3	151.0	149.3	147.7	146.5
170°	152.3	152.3	152.6	152.3	151.8	150.9	149.8	148.9	147.6	146.4	145.6
172.5°	148.9	149.4	149.6	149.4	149.1	148.5	147.7	147.2	146.0	145.0	144.7
175°	145.0	145.6	146.2	145.6	145.6	145.6	145.0	144.7	144.2	143.6	143.6
177.5°	142.8	143.1	143.6	143.4	143.6	143.4	143.4	143.1	143.0	142.8	142.8
180°	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6
2.5°	467.1	465.0	463.5	462.3	459.1	457.1	455.6	453.5	451.1	448.5	445.4
5°	493.6	487.3	482.6	475.5	468.7	463.1	457.2	452.0	445.7	438.7	433.6
7.5°	521.5	512.0	499.9	489.3	477.4	467.1	458.0	448.5	438.7	429.1	420.4
10°	539.2	527.0	513.5	497.6	482.6	469.3	456.9	444.9	433.2	421.7	411.7
12.5°	558.3	543.0	523.1	504.5	487.7	469.8	455.0	440.2	426.2	414.0	402.4
15°	583.8	561.9	538.8	513.9	491.8	471.0	450.5	432.0	416.2	400.1	388.8
17.5°	599.5	572.4	546.1	520.0	493.2	466.9	444.9	423.5	403.8	387.8	373.6
20°	609.9	582.9	550.1	524.0	492.2	465.2	439.7	415.8	395.2	378.2	363.5
22.5°	618.9	587.7	554.8	520.5	488.9	460.2	432.3	408.4	387.3	369.3	355.3
25°	623.8	588.0	552.3	518.2	482.2	448.3	422.9	394.8	372.3	353.4	338.4
27.5°	624.3	586.0	545.7	507.8	470.6	439.0	407.1	381.9	358.6	338.6	324.2
30°	622.7	582.7	539.4	498.4	461.1	426.7	398.9	371.6	347.8	327.9	312.9
32.5°	617.3	575.8	531.3	487.8	449.2	415.6	387.0	360.9	337.7	318.1	302.4
35°	602.2	561.1	513.7	468.5	429.0	395.1	369.2	342.7	319.5	301.0	285.7
37.5°	578.5	541.4	493.1	446.4	407.5	373.4	347.8	323.9	302.9	284.1	268.5
40°	557.8	525.1	476.7	431.2	389.2	356.8	332.8	310.9	290.0	272.2	257.4
42.5°	533.9	505.5	460.9	412.6	372.1	339.5	316.2	296.4	276.9	260.4	245.6
45°	491.4	472.6	430.6	386.0	343.8	313.1	290.8	273.5	257.1	240.9	228.5
47.5°	442.5	433.2	397.8	355.5	315.4	285.1	265.8	249.9	235.4	221.7	210.8
50°	409.6	405.1	374.6	333.7	295.5	267.0	247.5	233.8	221.4	209.5	199.1
52.5°	377.2	377.1	349.5	312.1	276.7	249.3	229.9	217.1	206.4	196.7	187.4
55°	327.7	333.0	311.4	278.1	246.4	221.6	204.1	192.7	185.2	177.2	170.2
57.5°	282.3	291.0	273.1	243.8	217.3	194.6	179.4	170.8	162.8	157.9	152.8
60°	252.5	260.8	246.9	222.2	197.3	177.8	163.3	155.6	148.7	145.3	141.7
62.5°	226.2	233.5	223.2	200.3	178.6	159.9	147.7	140.3	135.6	132.0	129.6
65°	188.5	194.6	185.8	169.1	150.5	135.5	125.6	119.8	115.3	113.8	111.1
67.5°	152.3	158.0	153.2	139.0	124.1	112.7	105.0	99.4	96.7	95.5	93.6
70°	130.9	136.5	131.4	119.1	107.6	98.1	90.7	87.5	84.8	84.2	81.6
72.5°	112.7	116.5	111.5	101.8	92.1	84.0	78.3	74.9	73.5	72.5	71.1
75°	84.5	87.9	84.5	77.1	70.1	64.5	59.7	58.3	56.6	56.1	55.1
77.5°	59.8	62.7	60.2	55.5	50.3	45.9	43.3	41.7	41.3	40.3	40.8
80°	45.7	47.6	45.2	42.0	37.9	34.9	33.0	32.1	31.0	30.6	31.3
82.5°	32.9	33.7	32.4	30.3	27.3	25.3	24.0	22.9	22.7	22.7	22.7
85°	17.0	16.9	16.7	14.8	13.9	12.6	11.8	11.6	11.4	11.8	12.2
87.5°	6.5	6.7	6.2	5.5	5.1	4.5	4.2	4.0	4.2	4.5	4.8
90°	3.9	3.9	2.2	2.2	2.0	1.7	0.9	0.3	0.9	1.7	2.0
92.5°	56.6	34.9	20.6	14.8	10.7	7.3	4.7	3.2	4.7	7.3	10.7
95°	105.3	59.3	35.0	23.2	16.6	12.9	10.1	9.3	10.1	12.9	16.6
97.5°	94.7	56.7	37.9	28.1	22.3	19.0	16.6	16.6	16.6	19.0	22.3
100°	89.0	57.4	40.9	31.9	26.6	23.2	21.3	21.3	21.3	23.2	26.6
102.5°	87.5	59.7	44.7	36.2	31.1	28.0	26.2	25.7	26.2	28.0	31.1
105°	88.2	65.0	51.5	43.4	38.3	35.0	33.6	32.8	33.6	35.0	38.3
107.5°	92.4	71.1	58.9	50.9	46.0	42.5	41.0	40.5	41.0	42.5	46.0
110°	95.5	75.9	63.5	56.0	50.9	47.6	46.2	45.6	46.2	47.6	50.9



TEST NUMBER: P332492-927

CATALOG NUMBER: SA4XXDIP-C350D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	98.9	80.3	68.4	60.9	55.8	52.8	51.1	50.5	51.1	52.8	55.8
115°	104.2	87.4	76.1	68.6	63.3	60.4	58.5	57.7	58.5	60.4	63.3
117.5°	109.6	94.1	83.5	75.7	70.7	67.6	65.8	65.0	65.8	67.6	70.7
120°	113.4	98.9	88.2	80.3	75.6	72.5	70.6	70.0	70.6	72.5	75.6
122.5°	117.0	103.3	92.7	85.1	79.9	77.0	75.0	74.5	75.0	77.0	79.9
125°	122.3	109.5	99.4	91.6	86.3	83.2	81.4	80.3	81.4	83.2	86.3
127.5°	127.0	115.2	105.4	97.5	92.0	88.5	86.4	85.6	86.4	88.5	92.0
130°	129.9	119.0	109.5	101.3	96.0	91.8	89.6	88.5	89.6	91.8	96.0
132.5°	132.8	122.2	112.6	105.0	99.2	95.2	92.3	91.4	92.3	95.2	99.2
135°	136.7	126.5	117.3	110.0	104.2	99.4	96.6	95.5	96.6	99.4	104.2
137.5°	139.3	129.9	121.3	114.3	108.2	103.7	100.6	99.6	100.6	103.7	108.2
140°	141.1	132.1	123.7	117.0	111.1	106.4	103.3	102.5	103.3	106.4	111.1
142.5°	142.4	134.2	126.0	119.5	113.8	109.3	106.5	105.6	106.5	109.3	113.8
145°	143.9	136.3	129.0	122.9	117.6	113.7	110.9	110.0	110.9	113.7	117.6
147.5°	145.2	138.6	131.7	126.2	121.8	117.8	115.3	115.0	115.3	117.8	121.8
150°	145.8	139.7	133.6	128.3	124.1	120.6	118.4	118.1	118.4	120.6	124.1
152.5°	146.3	140.6	135.1	130.2	126.5	123.3	121.1	121.0	121.1	123.3	126.5
155°	146.7	142.0	137.2	133.0	129.9	127.1	125.4	125.2	125.4	127.1	129.9
157.5°	146.7	142.9	138.9	135.5	132.8	130.7	129.1	129.1	129.1	130.7	132.8
160°	146.7	143.4	140.0	136.9	134.7	132.7	131.6	131.6	131.6	132.7	134.7
162.5°	146.7	143.8	140.7	138.2	136.3	134.5	133.6	133.8	133.6	134.5	136.3
165°	146.2	143.9	141.4	139.7	138.3	136.9	136.3	136.3	136.3	136.9	138.3
167.5°	145.4	143.9	142.0	140.7	139.9	138.9	138.6	138.9	138.6	138.9	139.9
170°	145.0	143.6	142.2	141.4	140.9	140.0	139.7	140.0	139.7	140.0	140.9
172.5°	144.6	143.4	142.4	141.8	141.5	140.9	140.9	141.1	140.9	140.9	141.5
175°	143.9	143.1	142.5	142.5	142.2	142.0	142.0	142.2	142.0	142.0	142.2
177.5°	143.1	142.8	142.5	142.5	142.5	142.3	142.5	142.8	142.5	142.3	142.5
180°	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5



TEST NUMBER: P332492-927

CATALOG NUMBER: SA4XXDIP-C350D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6
2.5°	443.9	442.5	440.6	437.9	435.6	433.2	432.6	431.7	433.6	432.1	431.6
5°	429.4	425.4	420.3	414.5	411.1	406.3	405.4	403.5	401.6	401.4	399.5
7.5°	413.9	408.1	401.5	395.6	390.1	384.8	381.3	380.6	377.8	376.1	374.3
10°	404.0	396.9	389.2	383.6	377.2	371.6	367.7	365.4	363.5	361.5	359.6
12.5°	392.4	384.8	378.4	372.3	364.8	360.5	354.0	350.1	349.7	349.7	344.9
15°	378.7	371.2	361.5	352.8	348.7	340.5	336.9	332.4	329.6	326.8	324.6
17.5°	363.1	353.8	346.2	336.3	328.4	321.9	317.2	314.5	310.2	306.3	303.4
20°	353.4	343.5	335.4	324.9	316.3	308.2	304.3	300.6	297.4	294.0	290.8
22.5°	343.5	333.1	323.3	313.1	305.1	296.5	292.7	287.6	284.6	282.7	279.6
25°	327.9	316.6	305.4	295.6	287.4	279.9	274.9	270.9	267.5	266.0	264.0
27.5°	310.9	299.8	288.9	277.8	268.5	263.0	259.0	256.0	254.1	252.1	251.1
30°	300.2	288.5	276.9	266.6	258.0	252.5	248.8	246.8	245.3	244.3	243.4
32.5°	289.2	277.7	265.5	256.1	248.3	243.5	240.7	238.6	237.9	237.6	237.2
35°	271.6	260.1	248.8	240.3	233.1	231.2	228.7	227.6	227.2	228.5	229.1
37.5°	254.7	243.9	233.5	225.4	220.5	217.9	217.0	217.1	218.4	219.5	220.9
40°	243.8	233.2	223.5	216.3	211.8	210.2	209.8	210.7	212.2	213.6	215.1
42.5°	233.1	222.8	213.9	207.2	204.1	202.5	202.7	203.7	205.8	207.4	209.6
45°	216.6	207.9	199.3	193.8	191.2	191.6	191.6	193.3	195.4	197.8	200.3
47.5°	201.0	192.3	185.2	180.6	179.3	179.0	180.0	182.2	185.1	188.1	191.5
50°	190.5	182.2	176.0	171.9	170.4	171.0	172.5	174.5	178.1	181.9	185.4
52.5°	179.8	172.3	166.6	162.8	161.7	162.7	164.2	167.5	170.6	174.7	179.0
55°	163.3	156.9	152.4	149.6	149.2	149.8	151.5	155.0	159.5	164.6	168.7
57.5°	146.9	141.5	137.4	135.5	135.6	136.2	138.9	143.1	148.0	153.4	158.7
60°	135.7	130.9	127.5	126.0	126.2	127.3	130.7	134.6	140.6	145.8	151.5
62.5°	125.2	121.0	117.7	116.4	116.1	118.6	121.8	125.9	131.9	137.8	143.9
65°	108.4	105.0	102.3	101.6	102.2	104.1	108.2	113.6	118.7	124.8	131.3
67.5°	91.9	89.1	87.3	87.6	88.3	91.1	94.5	99.2	105.0	111.4	117.6
70°	81.4	78.7	77.2	77.4	78.6	81.9	84.9	89.6	95.8	102.3	107.6
72.5°	70.6	68.8	67.5	68.3	69.4	71.7	75.5	80.2	85.6	91.7	97.3
75°	54.2	54.2	53.5	54.0	55.7	57.9	60.8	65.6	71.1	76.0	80.4
77.5°	40.2	39.8	40.2	41.0	41.9	44.6	47.8	51.3	55.4	60.3	64.0
80°	30.7	31.0	31.8	33.0	33.4	35.4	38.8	42.0	45.2	49.3	52.8
82.5°	23.1	23.3	23.8	25.2	25.6	27.8	29.9	33.1	36.0	38.8	41.7
85°	12.6	12.6	13.5	14.1	15.0	16.5	17.8	19.7	22.3	24.2	27.0
87.5°	5.2	5.2	6.2	6.5	7.1	7.9	8.2	9.8	10.5	11.3	12.7
90°	2.2	2.2	3.9	3.9	4.5	5.1	4.8	5.1	5.3	5.6	5.6
92.5°	14.8	20.6	34.9	56.6	77.7	88.8	74.0	55.0	41.4	33.0	27.3
95°	23.2	35.0	59.3	105.3	172.2	228.1	234.6	207.5	164.1	126.5	99.4
97.5°	28.1	37.9	56.7	94.7	161.1	240.3	294.8	306.5	290.4	263.0	233.8
100°	31.9	40.9	57.4	89.0	146.2	225.1	296.8	337.6	343.3	329.5	308.8
102.5°	36.2	44.7	59.7	87.5	136.1	206.0	280.0	336.1	363.8	367.8	359.2
105°	43.4	51.5	65.0	88.2	127.4	183.6	249.5	313.5	362.0	389.8	401.2
107.5°	50.9	58.9	71.1	92.4	125.8	171.1	224.8	281.6	333.2	372.2	397.2
110°	56.0	63.5	75.9	95.5	126.3	166.8	212.5	262.4	310.8	351.4	382.1



TEST NUMBER: P332492-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	60.9	68.4	80.3	98.9	127.6	164.9	205.6	248.2	291.0	329.4	360.2
115°	68.6	76.1	87.4	104.2	130.2	163.8	199.1	234.1	268.5	301.3	328.1
117.5°	75.7	83.5	94.1	109.6	132.9	163.5	196.1	227.1	255.6	281.4	304.2
120°	80.3	88.2	98.9	113.4	135.0	163.5	194.6	223.9	250.0	272.4	292.3
122.5°	85.1	92.7	103.3	117.0	137.0	163.3	192.8	221.3	246.4	266.8	284.2
125°	91.6	99.4	109.5	122.3	140.0	163.0	189.8	216.7	240.7	260.1	275.5
127.5°	97.5	105.4	115.2	127.0	142.4	162.3	185.8	211.1	234.1	253.4	268.0
130°	101.3	109.5	119.0	129.9	144.2	162.1	183.4	206.6	228.8	247.8	262.6
132.5°	105.0	112.6	122.2	132.8	145.8	161.9	181.2	201.9	222.7	241.3	256.1
135°	110.0	117.3	126.5	136.7	148.1	161.5	177.8	195.4	213.7	230.7	244.7
137.5°	114.3	121.3	129.9	139.3	149.5	161.5	174.9	189.6	204.9	219.4	232.0
140°	117.0	123.7	132.1	141.1	150.6	161.3	173.3	186.2	199.3	211.9	223.7
142.5°	119.5	126.0	134.2	142.4	151.5	161.3	172.0	183.1	194.6	205.4	215.6
145°	122.9	129.0	136.3	143.9	152.0	160.7	169.7	178.6	188.1	196.5	204.4
147.5°	126.2	131.7	138.6	145.2	152.3	159.7	167.6	175.0	182.5	189.3	195.4
150°	128.3	133.6	139.7	145.8	152.3	159.0	166.0	172.8	179.2	184.8	189.8
152.5°	130.2	135.1	140.6	146.3	151.9	157.9	164.2	170.3	175.9	181.0	185.1
155°	133.0	137.2	142.0	146.7	151.2	156.2	161.5	166.6	171.0	175.2	178.6
157.5°	135.5	138.9	142.9	146.7	150.4	154.5	158.8	162.6	166.4	169.9	172.6
160°	136.9	140.0	143.4	146.7	149.8	153.1	156.8	160.2	163.2	166.3	168.6
162.5°	138.2	140.7	143.8	146.7	149.1	151.8	155.0	157.7	160.3	162.7	164.8
165°	139.7	141.4	143.9	146.2	147.8	149.8	152.0	154.2	156.0	157.9	159.3
167.5°	140.7	142.0	143.9	145.4	146.5	147.7	149.3	151.0	152.3	153.8	154.6
170°	141.4	142.2	143.6	145.0	145.6	146.4	147.6	148.9	149.8	150.9	151.8
172.5°	141.8	142.4	143.4	144.6	144.7	145.0	146.0	147.2	147.7	148.5	149.1
175°	142.5	142.5	143.1	143.9	143.6	143.6	144.2	144.7	145.0	145.6	145.6
177.5°	142.5	142.5	142.8	143.1	142.8	142.8	143.0	143.1	143.4	143.4	143.6
180°	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5



TEST NUMBER: P332492-927

CATALOG NUMBER: SA4XXDIP-C350D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6
2.5°	431.3	431.0	429.9	429.8	429.9	431.0	431.3	431.6	432.1	433.6	431.7
5°	398.4	397.4	396.9	398.9	396.9	397.4	398.4	399.5	401.4	401.6	403.5
7.5°	373.6	372.9	371.2	370.7	371.2	372.9	373.6	374.3	376.1	377.8	380.6
10°	357.7	357.0	355.5	355.1	355.5	357.0	357.7	359.6	361.5	363.5	365.4
12.5°	342.4	341.0	340.6	341.0	340.6	341.0	342.4	344.9	349.7	349.7	350.1
15°	322.1	321.3	319.2	319.9	319.2	321.3	322.1	324.6	326.8	329.6	332.4
17.5°	302.1	301.2	298.7	300.9	298.7	301.2	302.1	303.4	306.3	310.2	314.5
20°	289.5	288.0	286.7	286.5	286.7	288.0	289.5	290.8	294.0	297.4	300.6
22.5°	277.5	276.2	276.0	274.8	276.0	276.2	277.5	279.6	282.7	284.6	287.6
25°	262.4	261.2	260.8	259.8	260.8	261.2	262.4	264.0	266.0	267.5	270.9
27.5°	251.0	250.3	249.6	249.9	249.6	250.3	251.0	251.1	252.1	254.1	256.0
30°	243.9	243.8	243.4	243.4	243.4	243.8	243.9	243.4	244.3	245.3	246.8
32.5°	238.1	238.1	238.3	238.3	238.3	238.1	238.1	237.2	237.6	237.9	238.6
35°	229.9	230.4	230.8	230.2	230.8	230.4	229.9	229.1	228.5	227.2	227.6
37.5°	222.4	223.0	223.6	224.2	223.6	223.0	222.4	220.9	219.5	218.4	217.1
40°	216.7	218.0	218.4	219.4	218.4	218.0	216.7	215.1	213.6	212.2	210.7
42.5°	211.4	212.8	213.7	214.0	213.7	212.8	211.4	209.6	207.4	205.8	203.7
45°	203.0	204.5	205.9	205.9	205.9	204.5	203.0	200.3	197.8	195.4	193.3
47.5°	194.5	196.6	198.0	198.3	198.0	196.6	194.5	191.5	188.1	185.1	182.2
50°	188.6	191.2	192.6	193.5	192.6	191.2	188.6	185.4	181.9	178.1	174.5
52.5°	182.9	185.5	187.3	187.7	187.3	185.5	182.9	179.0	174.7	170.6	167.5
55°	173.0	176.8	178.9	179.6	178.9	176.8	173.0	168.7	164.6	159.5	155.0
57.5°	163.7	167.2	169.6	170.2	169.6	167.2	163.7	158.7	153.4	148.0	143.1
60°	156.5	160.3	163.3	163.8	163.3	160.3	156.5	151.5	145.8	140.6	134.6
62.5°	149.2	153.1	155.8	157.2	155.8	153.1	149.2	143.9	137.8	131.9	125.9
65°	136.5	140.5	143.1	143.6	143.1	140.5	136.5	131.3	124.8	118.7	113.6
67.5°	122.6	126.6	128.3	129.4	128.3	126.6	122.6	117.6	111.4	105.0	99.2
70°	112.9	116.1	118.0	118.8	118.0	116.1	112.9	107.6	102.3	95.8	89.6
72.5°	101.8	105.1	107.3	107.5	107.3	105.1	101.8	97.3	91.7	85.6	80.2
75°	84.8	87.8	88.9	88.9	88.9	87.8	84.8	80.4	76.0	71.1	65.6
77.5°	67.1	68.6	70.0	70.3	70.0	68.6	67.1	64.0	60.3	55.4	51.3
80°	55.7	56.6	57.8	57.8	57.8	56.6	55.7	52.8	49.3	45.2	42.0
82.5°	44.0	44.8	45.9	45.7	45.9	44.8	44.0	41.7	38.8	36.0	33.1
85°	26.6	28.3	28.1	27.7	28.1	28.3	26.6	27.0	24.2	22.3	19.7
87.5°	13.2	13.4	13.8	14.1	13.8	13.4	13.2	12.7	11.3	10.5	9.8
90°	5.9	6.2	5.9	5.9	5.9	6.2	5.9	5.6	5.6	5.3	5.1
92.5°	24.0	22.5	21.5	21.5	21.5	22.5	24.0	27.3	33.0	41.4	55.0
95°	85.6	77.0	71.9	68.3	71.9	77.0	85.6	99.4	126.5	164.1	207.5
97.5°	213.7	196.9	188.5	182.6	188.5	196.9	213.7	233.8	263.0	290.4	306.5
100°	284.5	267.4	259.0	256.7	259.0	267.4	284.5	308.8	329.5	343.3	337.6
102.5°	344.3	331.9	323.1	321.2	323.1	331.9	344.3	359.2	367.8	363.8	336.1
105°	401.8	399.5	395.6	394.0	395.6	399.5	401.8	401.2	389.8	362.0	313.5
107.5°	411.0	417.4	420.2	420.9	420.2	417.4	411.0	397.2	372.2	333.2	281.6
110°	402.0	413.8	418.8	421.4	418.8	413.8	402.0	382.1	351.4	310.8	262.4



TEST NUMBER: P332492-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	382.8	397.0	404.1	408.1	404.1	397.0	382.8	360.2	329.4	291.0	248.2
115°	350.2	367.0	376.0	378.3	376.0	367.0	350.2	328.1	301.3	268.5	234.1
117.5°	323.1	337.2	346.2	347.9	346.2	337.2	323.1	304.2	281.4	255.6	227.1
120°	308.2	320.6	327.9	331.0	327.9	320.6	308.2	292.3	272.4	250.0	223.9
122.5°	297.7	308.2	314.4	317.5	314.4	308.2	297.7	284.2	266.8	246.4	221.3
125°	286.7	294.9	300.2	301.8	300.2	294.9	286.7	275.5	260.1	240.7	216.7
127.5°	279.2	286.5	291.0	292.6	291.0	286.5	279.2	268.0	253.4	234.1	211.1
130°	274.1	281.1	285.6	287.2	285.6	281.1	274.1	262.6	247.8	228.8	206.6
132.5°	267.4	275.3	279.6	281.2	279.6	275.3	267.4	256.1	241.3	222.7	201.9
135°	255.9	263.7	268.2	269.9	268.2	263.7	255.9	244.7	230.7	213.7	195.4
137.5°	242.5	250.2	253.9	255.9	253.9	250.2	242.5	232.0	219.4	204.9	189.6
140°	233.5	239.6	243.6	245.8	243.6	239.6	233.5	223.7	211.9	199.3	186.2
142.5°	224.3	230.0	233.5	235.0	233.5	230.0	224.3	215.6	205.4	194.6	183.1
145°	211.4	216.1	219.0	220.3	219.0	216.1	211.4	204.4	196.5	188.1	178.6
147.5°	200.6	204.7	206.8	207.3	206.8	204.7	200.6	195.4	189.3	182.5	175.0
150°	194.3	198.0	199.6	199.9	199.6	198.0	194.3	189.8	184.8	179.2	172.8
152.5°	188.9	191.9	192.9	193.2	192.9	191.9	188.9	185.1	181.0	175.9	170.3
155°	181.4	183.6	184.5	184.5	184.5	183.6	181.4	178.6	175.2	171.0	166.6
157.5°	174.7	176.4	176.9	176.9	176.9	176.4	174.7	172.6	169.9	166.4	162.6
160°	170.2	171.9	172.2	172.2	172.2	171.9	170.2	168.6	166.3	163.2	160.2
162.5°	166.0	167.6	167.9	167.7	167.9	167.6	166.0	164.8	162.7	160.3	157.7
165°	160.4	161.5	161.3	161.0	161.3	161.5	160.4	159.3	157.9	156.0	154.2
167.5°	155.2	156.0	155.9	155.7	155.9	156.0	155.2	154.6	153.8	152.3	151.0
170°	152.3	152.6	152.3	152.3	152.3	152.6	152.3	151.8	150.9	149.8	148.9
172.5°	149.4	149.6	149.4	148.9	149.4	149.6	149.4	149.1	148.5	147.7	147.2
175°	145.6	146.2	145.6	145.0	145.6	146.2	145.6	145.6	145.6	145.0	144.7
177.5°	143.4	143.6	143.1	142.8	143.1	143.6	143.4	143.6	143.4	143.4	143.1
180°	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5



TEST NUMBER: P332492-927

CATALOG NUMBER: SA4XXDIP-C350D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6
2.5°	432.6	433.2	435.6	437.9	440.6	442.5	443.9	445.4	448.5	451.1	453.5
5°	405.4	406.3	411.1	414.5	420.3	425.4	429.4	433.6	438.7	445.7	452.0
7.5°	381.3	384.8	390.1	395.6	401.5	408.1	413.9	420.4	429.1	438.7	448.5
10°	367.7	371.6	377.2	383.6	389.2	396.9	404.0	411.7	421.7	433.2	444.9
12.5°	354.0	360.5	364.8	372.3	378.4	384.8	392.4	402.4	414.0	426.2	440.2
15°	336.9	340.5	348.7	352.8	361.5	371.2	378.7	388.8	400.1	416.2	432.0
17.5°	317.2	321.9	328.4	336.3	346.2	353.8	363.1	373.6	387.8	403.8	423.5
20°	304.3	308.2	316.3	324.9	335.4	343.5	353.4	363.5	378.2	395.2	415.8
22.5°	292.7	296.5	305.1	313.1	323.3	333.1	343.5	355.3	369.3	387.3	408.4
25°	274.9	279.9	287.4	295.6	305.4	316.6	327.9	338.4	353.4	372.3	394.8
27.5°	259.0	263.0	268.5	277.8	288.9	299.8	310.9	324.2	338.6	358.6	381.9
30°	248.8	252.5	258.0	266.6	276.9	288.5	300.2	312.9	327.9	347.8	371.6
32.5°	240.7	243.5	248.3	256.1	265.5	277.7	289.2	302.4	318.1	337.7	360.9
35°	228.7	231.2	233.1	240.3	248.8	260.1	271.6	285.7	301.0	319.5	342.7
37.5°	217.0	217.9	220.5	225.4	233.5	243.9	254.7	268.5	284.1	302.9	323.9
40°	209.8	210.2	211.8	216.3	223.5	233.2	243.8	257.4	272.2	290.0	310.9
42.5°	202.7	202.5	204.1	207.2	213.9	222.8	233.1	245.6	260.4	276.9	296.4
45°	191.6	191.6	191.2	193.8	199.3	207.9	216.6	228.5	240.9	257.1	273.5
47.5°	180.0	179.0	179.3	180.6	185.2	192.3	201.0	210.8	221.7	235.4	249.9
50°	172.5	171.0	170.4	171.9	176.0	182.2	190.5	199.1	209.5	221.4	233.8
52.5°	164.2	162.7	161.7	162.8	166.6	172.3	179.8	187.4	196.7	206.4	217.1
55°	151.5	149.8	149.2	149.6	152.4	156.9	163.3	170.2	177.2	185.2	192.7
57.5°	138.9	136.2	135.6	135.5	137.4	141.5	146.9	152.8	157.9	162.8	170.8
60°	130.7	127.3	126.2	126.0	127.5	130.9	135.7	141.7	145.3	148.7	155.6
62.5°	121.8	118.6	116.1	116.4	117.7	121.0	125.2	129.6	132.0	135.6	140.3
65°	108.2	104.1	102.2	101.6	102.3	105.0	108.4	111.1	113.8	115.3	119.8
67.5°	94.5	91.1	88.3	87.6	87.3	89.1	91.9	93.6	95.5	96.7	99.4
70°	84.9	81.9	78.6	77.4	77.2	78.7	81.4	81.6	84.2	84.8	87.5
72.5°	75.5	71.7	69.4	68.3	67.5	68.8	70.6	71.1	72.5	73.5	74.9
75°	60.8	57.9	55.7	54.0	53.5	54.2	54.2	55.1	56.1	56.6	58.3
77.5°	47.8	44.6	41.9	41.0	40.2	39.8	40.2	40.8	40.3	41.3	41.7
80°	38.8	35.4	33.4	33.0	31.8	31.0	30.7	31.3	30.6	31.0	32.1
82.5°	29.9	27.8	25.6	25.2	23.8	23.3	23.1	22.7	22.7	22.7	22.9
85°	17.8	16.5	15.0	14.1	13.5	12.6	12.6	12.2	11.8	11.4	11.6
87.5°	8.2	7.9	7.1	6.5	6.2	5.2	5.2	4.8	4.5	4.2	4.0
90°	4.8	5.1	4.5	3.9	3.9	2.2	2.2	2.0	1.7	0.9	0.3
92.5°	74.0	88.8	77.7	56.6	34.9	20.6	14.8	10.7	7.3	4.7	3.2
95°	234.6	228.1	172.2	105.3	59.3	35.0	23.2	16.6	12.9	10.1	9.3
97.5°	294.8	240.3	161.1	94.7	56.7	37.9	28.1	22.3	19.0	16.6	16.6
100°	296.8	225.1	146.2	89.0	57.4	40.9	31.9	26.6	23.2	21.3	21.3
102.5°	280.0	206.0	136.1	87.5	59.7	44.7	36.2	31.1	28.0	26.2	25.7
105°	249.5	183.6	127.4	88.2	65.0	51.5	43.4	38.3	35.0	33.6	32.8
107.5°	224.8	171.1	125.8	92.4	71.1	58.9	50.9	46.0	42.5	41.0	40.5
110°	212.5	166.8	126.3	95.5	75.9	63.5	56.0	50.9	47.6	46.2	45.6



TEST NUMBER: P332492-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	205.6	164.9	127.6	98.9	80.3	68.4	60.9	55.8	52.8	51.1	50.5
115°	199.1	163.8	130.2	104.2	87.4	76.1	68.6	63.3	60.4	58.5	57.7
117.5°	196.1	163.5	132.9	109.6	94.1	83.5	75.7	70.7	67.6	65.8	65.0
120°	194.6	163.5	135.0	113.4	98.9	88.2	80.3	75.6	72.5	70.6	70.0
122.5°	192.8	163.3	137.0	117.0	103.3	92.7	85.1	79.9	77.0	75.0	74.5
125°	189.8	163.0	140.0	122.3	109.5	99.4	91.6	86.3	83.2	81.4	80.3
127.5°	185.8	162.3	142.4	127.0	115.2	105.4	97.5	92.0	88.5	86.4	85.6
130°	183.4	162.1	144.2	129.9	119.0	109.5	101.3	96.0	91.8	89.6	88.5
132.5°	181.2	161.9	145.8	132.8	122.2	112.6	105.0	99.2	95.2	92.3	91.4
135°	177.8	161.5	148.1	136.7	126.5	117.3	110.0	104.2	99.4	96.6	95.5
137.5°	174.9	161.5	149.5	139.3	129.9	121.3	114.3	108.2	103.7	100.6	99.6
140°	173.3	161.3	150.6	141.1	132.1	123.7	117.0	111.1	106.4	103.3	102.5
142.5°	172.0	161.3	151.5	142.4	134.2	126.0	119.5	113.8	109.3	106.5	105.6
145°	169.7	160.7	152.0	143.9	136.3	129.0	122.9	117.6	113.7	110.9	110.0
147.5°	167.6	159.7	152.3	145.2	138.6	131.7	126.2	121.8	117.8	115.3	115.0
150°	166.0	159.0	152.3	145.8	139.7	133.6	128.3	124.1	120.6	118.4	118.1
152.5°	164.2	157.9	151.9	146.3	140.6	135.1	130.2	126.5	123.3	121.1	121.0
155°	161.5	156.2	151.2	146.7	142.0	137.2	133.0	129.9	127.1	125.4	125.2
157.5°	158.8	154.5	150.4	146.7	142.9	138.9	135.5	132.8	130.7	129.1	129.1
160°	156.8	153.1	149.8	146.7	143.4	140.0	136.9	134.7	132.7	131.6	131.6
162.5°	155.0	151.8	149.1	146.7	143.8	140.7	138.2	136.3	134.5	133.6	133.8
165°	152.0	149.8	147.8	146.2	143.9	141.4	139.7	138.3	136.9	136.3	136.3
167.5°	149.3	147.7	146.5	145.4	143.9	142.0	140.7	139.9	138.9	138.6	138.9
170°	147.6	146.4	145.6	145.0	143.6	142.2	141.4	140.9	140.0	139.7	140.0
172.5°	146.0	145.0	144.7	144.6	143.4	142.4	141.8	141.5	140.9	140.9	141.1
175°	144.2	143.6	143.6	143.9	143.1	142.5	142.5	142.2	142.0	142.0	142.2
177.5°	143.0	142.8	142.8	143.1	142.8	142.5	142.5	142.5	142.3	142.5	142.8
180°	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5



TEST NUMBER: P332492-927

CATALOG NUMBER: SA4XXDIP-C350D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6
2.5°	455.6	457.1	459.1	462.3	463.5	465.0	467.1	467.0	467.5	469.8	474.6
5°	457.2	463.1	468.7	475.5	482.6	487.3	493.6	497.6	501.5	506.6	515.2
7.5°	458.0	467.1	477.4	489.3	499.9	512.0	521.5	530.4	538.5	549.1	559.4
10°	456.9	469.3	482.6	497.6	513.5	527.0	539.2	553.1	564.9	577.8	589.5
12.5°	455.0	469.8	487.7	504.5	523.1	543.0	558.3	572.3	588.0	602.9	620.8
15°	450.5	471.0	491.8	513.9	538.8	561.9	583.8	602.0	618.9	641.2	664.6
17.5°	444.9	466.9	493.2	520.0	546.1	572.4	599.5	626.9	648.2	675.9	694.2
20°	439.7	465.2	492.2	524.0	550.1	582.9	609.9	636.3	665.6	693.2	715.1
22.5°	432.3	460.2	488.9	520.5	554.8	587.7	618.9	647.5	676.8	706.8	733.3
25°	422.9	448.3	482.2	518.2	552.3	588.0	623.8	659.7	691.3	722.9	747.7
27.5°	407.1	439.0	470.6	507.8	545.7	586.0	624.3	661.9	695.0	721.0	736.3
30°	398.9	426.7	461.1	498.4	539.4	582.7	622.7	659.6	690.3	711.1	717.3
32.5°	387.0	415.6	449.2	487.8	531.3	575.8	617.3	652.2	677.9	688.8	681.4
35°	369.2	395.1	429.0	468.5	513.7	561.1	602.2	631.6	644.8	634.5	608.8
37.5°	347.8	373.4	407.5	446.4	493.1	541.4	578.5	599.7	595.3	569.7	531.4
40°	332.8	356.8	389.2	431.2	476.7	525.1	557.8	569.2	557.2	520.5	479.7
42.5°	316.2	339.5	372.1	412.6	460.9	505.5	533.9	534.9	514.8	470.8	430.0
45°	290.8	313.1	343.8	386.0	430.6	472.6	491.4	482.2	445.0	402.7	361.6
47.5°	265.8	285.1	315.4	355.5	397.8	433.2	442.5	426.0	386.4	345.2	307.2
50°	247.5	267.0	295.5	333.7	374.6	405.1	409.6	387.7	348.9	307.4	277.7
52.5°	229.9	249.3	276.7	312.1	349.5	377.1	377.2	351.9	313.2	276.3	248.6
55°	204.1	221.6	246.4	278.1	311.4	333.0	327.7	301.5	267.9	235.8	211.7
57.5°	179.4	194.6	217.3	243.8	273.1	291.0	282.3	257.0	227.0	199.8	181.5
60°	163.3	177.8	197.3	222.2	246.9	260.8	252.5	229.7	202.1	180.1	164.2
62.5°	147.7	159.9	178.6	200.3	223.2	233.5	226.2	203.6	179.7	159.9	146.9
65°	125.6	135.5	150.5	169.1	185.8	194.6	188.5	167.4	149.2	135.0	124.7
67.5°	105.0	112.7	124.1	139.0	153.2	158.0	152.3	137.7	122.3	110.9	103.6
70°	90.7	98.1	107.6	119.1	131.4	136.5	130.9	119.2	106.7	96.2	89.0
72.5°	78.3	84.0	92.1	101.8	111.5	116.5	112.7	101.6	90.9	83.1	77.1
75°	59.7	64.5	70.1	77.1	84.5	87.9	84.5	76.8	69.6	63.8	59.4
77.5°	43.3	45.9	50.3	55.5	60.2	62.7	59.8	54.7	50.1	46.2	44.0
80°	33.0	34.9	37.9	42.0	45.2	47.6	45.7	41.4	37.9	35.3	34.3
82.5°	24.0	25.3	27.3	30.3	32.4	33.7	32.9	29.7	28.3	26.0	25.0
85°	11.8	12.6	13.9	14.8	16.7	16.9	17.0	15.8	14.4	13.9	13.2
87.5°	4.2	4.5	5.1	5.5	6.2	6.7	6.5	6.6	6.1	5.9	5.4
90°	0.9	1.7	2.0	2.2	2.2	3.9	3.9	4.5	5.1	4.8	5.1
92.5°	4.7	7.3	10.7	14.8	20.6	34.9	56.6	77.7	88.8	74.0	55.0
95°	10.1	12.9	16.6	23.2	35.0	59.3	105.3	172.2	228.1	234.6	207.5
97.5°	16.6	19.0	22.3	28.1	37.9	56.7	94.7	161.1	240.3	294.8	306.5
100°	21.3	23.2	26.6	31.9	40.9	57.4	89.0	146.2	225.1	296.8	337.6
102.5°	26.2	28.0	31.1	36.2	44.7	59.7	87.5	136.1	206.0	280.0	336.1
105°	33.6	35.0	38.3	43.4	51.5	65.0	88.2	127.4	183.6	249.5	313.5
107.5°	41.0	42.5	46.0	50.9	58.9	71.1	92.4	125.8	171.1	224.8	281.6
110°	46.2	47.6	50.9	56.0	63.5	75.9	95.5	126.3	166.8	212.5	262.4



TEST NUMBER: P332492-927

CATALOG NUMBER: SA4XXDIP-C350D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	51.1	52.8	55.8	60.9	68.4	80.3	98.9	127.6	164.9	205.6	248.2
115°	58.5	60.4	63.3	68.6	76.1	87.4	104.2	130.2	163.8	199.1	234.1
117.5°	65.8	67.6	70.7	75.7	83.5	94.1	109.6	132.9	163.5	196.1	227.1
120°	70.6	72.5	75.6	80.3	88.2	98.9	113.4	135.0	163.5	194.6	223.9
122.5°	75.0	77.0	79.9	85.1	92.7	103.3	117.0	137.0	163.3	192.8	221.3
125°	81.4	83.2	86.3	91.6	99.4	109.5	122.3	140.0	163.0	189.8	216.7
127.5°	86.4	88.5	92.0	97.5	105.4	115.2	127.0	142.4	162.3	185.8	211.1
130°	89.6	91.8	96.0	101.3	109.5	119.0	129.9	144.2	162.1	183.4	206.6
132.5°	92.3	95.2	99.2	105.0	112.6	122.2	132.8	145.8	161.9	181.2	201.9
135°	96.6	99.4	104.2	110.0	117.3	126.5	136.7	148.1	161.5	177.8	195.4
137.5°	100.6	103.7	108.2	114.3	121.3	129.9	139.3	149.5	161.5	174.9	189.6
140°	103.3	106.4	111.1	117.0	123.7	132.1	141.1	150.6	161.3	173.3	186.2
142.5°	106.5	109.3	113.8	119.5	126.0	134.2	142.4	151.5	161.3	172.0	183.1
145°	110.9	113.7	117.6	122.9	129.0	136.3	143.9	152.0	160.7	169.7	178.6
147.5°	115.3	117.8	121.8	126.2	131.7	138.6	145.2	152.3	159.7	167.6	175.0
150°	118.4	120.6	124.1	128.3	133.6	139.7	145.8	152.3	159.0	166.0	172.8
152.5°	121.1	123.3	126.5	130.2	135.1	140.6	146.3	151.9	157.9	164.2	170.3
155°	125.4	127.1	129.9	133.0	137.2	142.0	146.7	151.2	156.2	161.5	166.6
157.5°	129.1	130.7	132.8	135.5	138.9	142.9	146.7	150.4	154.5	158.8	162.6
160°	131.6	132.7	134.7	136.9	140.0	143.4	146.7	149.8	153.1	156.8	160.2
162.5°	133.6	134.5	136.3	138.2	140.7	143.8	146.7	149.1	151.8	155.0	157.7
165°	136.3	136.9	138.3	139.7	141.4	143.9	146.2	147.8	149.8	152.0	154.2
167.5°	138.6	138.9	139.9	140.7	142.0	143.9	145.4	146.5	147.7	149.3	151.0
170°	139.7	140.0	140.9	141.4	142.2	143.6	145.0	145.6	146.4	147.6	148.9
172.5°	140.9	140.9	141.5	141.8	142.4	143.4	144.6	144.7	145.0	146.0	147.2
175°	142.0	142.0	142.2	142.5	142.5	143.1	143.9	143.6	143.6	144.2	144.7
177.5°	142.5	142.3	142.5	142.5	142.5	142.8	143.1	142.8	142.8	143.0	143.1
180°	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	452.6	452.6	452.6	452.6	452.6	452.6	452.6
2.5°	477.1	477.4	478.7	479.7	480.1	481.6	481.6
5°	519.0	522.1	528.3	528.9	529.8	534.7	530.9
7.5°	568.1	576.2	581.5	586.4	588.0	590.2	589.8
10°	599.6	611.6	617.6	627.2	627.5	629.9	628.4
12.5°	631.2	645.2	656.1	657.9	665.9	667.2	669.2
15°	676.0	690.9	706.1	711.5	722.5	725.2	729.3
17.5°	718.2	733.3	744.0	758.0	762.6	768.7	764.5
20°	741.3	757.8	771.3	782.4	787.0	790.4	790.0
22.5°	755.3	771.9	782.8	791.2	795.6	797.0	796.9
25°	764.0	773.6	777.0	780.1	775.2	773.6	774.3
27.5°	739.7	737.2	728.4	716.8	704.9	695.4	690.1
30°	706.2	691.7	678.3	655.1	643.1	636.0	629.5
32.5°	658.9	635.6	610.1	588.7	575.1	564.6	563.0
35°	577.7	542.8	511.4	485.4	471.9	460.5	457.8
37.5°	491.1	454.9	426.7	403.7	389.2	381.1	373.6
40°	433.6	402.5	374.8	355.3	344.2	338.4	333.7
42.5°	389.4	361.0	333.4	318.5	308.6	305.0	302.2
45°	328.3	301.8	282.7	271.5	265.7	259.7	256.8
47.5°	279.3	257.9	245.3	235.7	229.4	225.9	224.1
50°	251.6	234.0	222.8	215.4	209.8	207.0	205.5
52.5°	227.0	212.5	203.1	197.3	193.5	191.4	190.8
55°	195.5	184.5	178.5	173.4	170.6	168.7	168.0
57.5°	170.0	161.4	156.6	152.4	151.3	149.8	149.2
60°	153.2	146.6	142.5	139.7	138.7	136.9	137.2
62.5°	138.3	132.9	129.4	127.9	126.6	125.0	125.6
65°	117.0	113.0	111.1	109.7	108.2	107.3	108.0
67.5°	98.2	95.5	92.9	92.1	91.3	91.2	90.4
70°	85.9	83.7	81.4	80.8	80.8	80.1	79.9
72.5°	74.0	72.4	70.9	70.4	69.9	70.2	69.4
75°	57.2	55.8	55.3	54.7	54.6	54.6	54.0
77.5°	42.2	41.3	40.4	40.4	39.7	39.5	39.4
80°	32.1	31.7	31.0	31.0	30.6	30.7	30.3
82.5°	24.1	23.6	23.4	23.1	22.6	22.7	22.3
85°	12.9	12.4	12.2	11.6	11.2	11.6	11.2
87.5°	5.5	5.5	5.3	5.1	5.0	4.9	4.4
90°	5.3	5.6	5.6	5.9	6.2	5.9	5.9
92.5°	41.4	33.0	27.3	24.0	22.5	21.5	21.5
95°	164.1	126.5	99.4	85.6	77.0	71.9	68.3
97.5°	290.4	263.0	233.8	213.7	196.9	188.5	182.6
100°	343.3	329.5	308.8	284.5	267.4	259.0	256.7
102.5°	363.8	367.8	359.2	344.3	331.9	323.1	321.2
105°	362.0	389.8	401.2	401.8	399.5	395.6	394.0
107.5°	333.2	372.2	397.2	411.0	417.4	420.2	420.9
110°	310.8	351.4	382.1	402.0	413.8	418.8	421.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	291.0	329.4	360.2	382.8	397.0	404.1	408.1
115°	268.5	301.3	328.1	350.2	367.0	376.0	378.3
117.5°	255.6	281.4	304.2	323.1	337.2	346.2	347.9
120°	250.0	272.4	292.3	308.2	320.6	327.9	331.0
122.5°	246.4	266.8	284.2	297.7	308.2	314.4	317.5
125°	240.7	260.1	275.5	286.7	294.9	300.2	301.8
127.5°	234.1	253.4	268.0	279.2	286.5	291.0	292.6
130°	228.8	247.8	262.6	274.1	281.1	285.6	287.2
132.5°	222.7	241.3	256.1	267.4	275.3	279.6	281.2
135°	213.7	230.7	244.7	255.9	263.7	268.2	269.9
137.5°	204.9	219.4	232.0	242.5	250.2	253.9	255.9
140°	199.3	211.9	223.7	233.5	239.6	243.6	245.8
142.5°	194.6	205.4	215.6	224.3	230.0	233.5	235.0
145°	188.1	196.5	204.4	211.4	216.1	219.0	220.3
147.5°	182.5	189.3	195.4	200.6	204.7	206.8	207.3
150°	179.2	184.8	189.8	194.3	198.0	199.6	199.9
152.5°	175.9	181.0	185.1	188.9	191.9	192.9	193.2
155°	171.0	175.2	178.6	181.4	183.6	184.5	184.5
157.5°	166.4	169.9	172.6	174.7	176.4	176.9	176.9
160°	163.2	166.3	168.6	170.2	171.9	172.2	172.2
162.5°	160.3	162.7	164.8	166.0	167.6	167.9	167.7
165°	156.0	157.9	159.3	160.4	161.5	161.3	161.0
167.5°	152.3	153.8	154.6	155.2	156.0	155.9	155.7
170°	149.8	150.9	151.8	152.3	152.6	152.3	152.3
172.5°	147.7	148.5	149.1	149.4	149.6	149.4	148.9
175°	145.0	145.6	145.6	145.6	146.2	145.6	145.0
177.5°	143.4	143.4	143.6	143.4	143.6	143.1	142.8
180°	142.5	142.5	142.5	142.5	142.5	142.5	142.5

(END OF REPORT)