

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: P332492-935

Luminaire Tested: **SA4XXDIP-C350D365U935-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332492-935  
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-C350D365U935-4F0-1E-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**

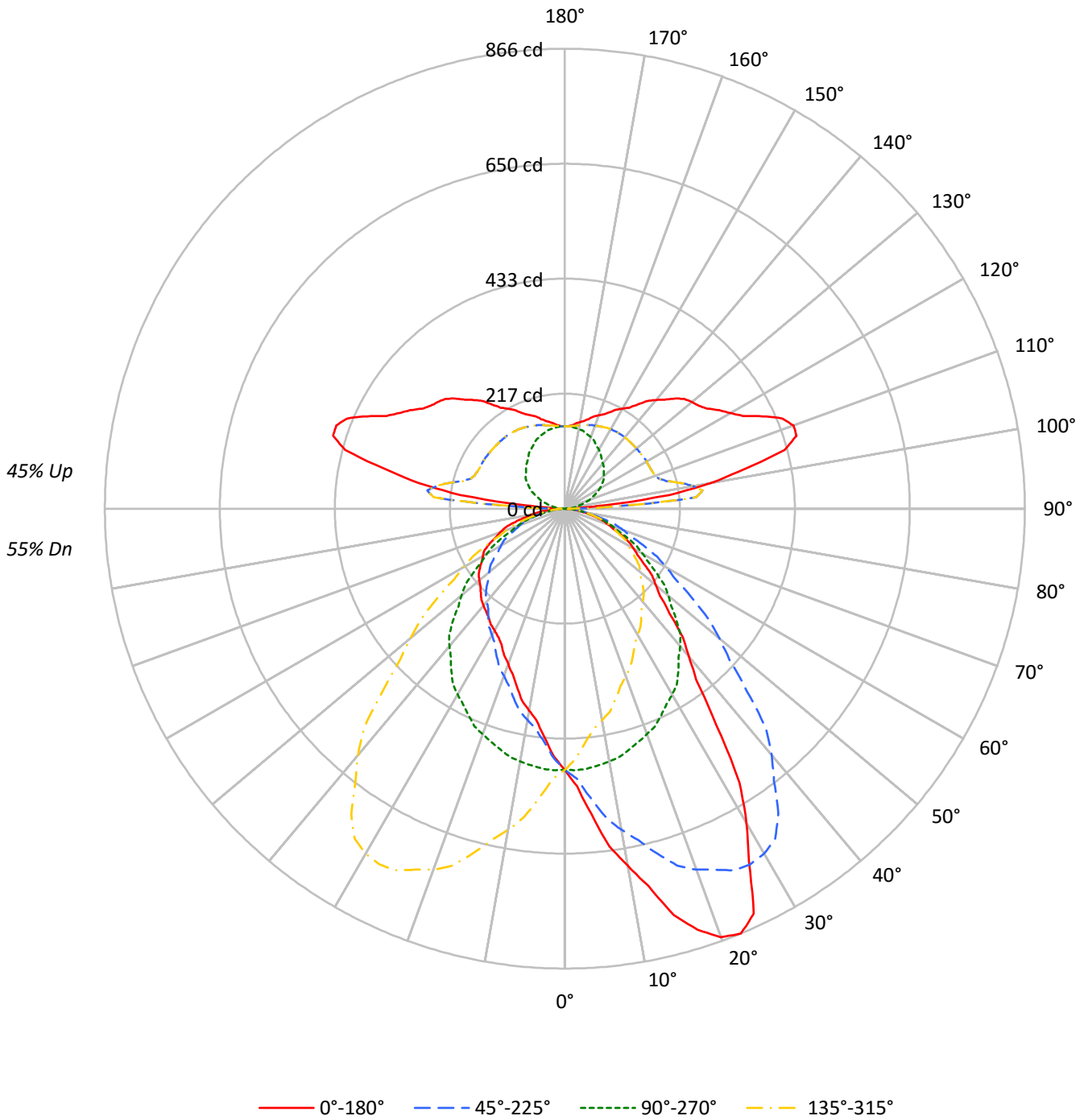
Lumens per Lamp: N/A  
Luminaire Lumens: 2484.5 lumens  
Efficiency: N/A  
Efficacy: 122.4 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse

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	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°	3971	3971	3971	3971
5°	4676	3981	3514	3981
10°	5599	3963	3163	3963
15°	6624	3924	2906	3924
20°	7377	3882	2674	3882
25°	7496	3822	2515	3822
30°	6378	3765	2466	3765
35°	4904	3671	2466	3671
40°	3822	3561	2512	3561
45°	3186	3394	2555	3394
50°	2804	3191	2641	3191
55°	2570	2949	2747	2949
60°	2407	2730	2876	2730
65°	2243	2487	2982	2487
70°	2049	2245	3050	2245
75°	1831	1978	3013	1978
80°	1534	1623	2920	1623
85°	1130	1176	2788	1176



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.9	1.9
10°-20°	147.7	5.9
20°-30°	234.2	9.4
30°-40°	260.7	10.5
40°-50°	237.3	9.6
50°-60°	193.9	7.8
60°-70°	138.4	5.6
70°-80°	76.2	3.1
80°-90°	21.7	0.9
90°-100°	111.9	4.5
100°-110°	232.8	9.4
110°-120°	208.5	8.4
120°-130°	175.4	7.1
130°-140°	146.3	5.9
140°-150°	111.7	4.5
150°-160°	78.5	3.2
160°-170°	46.2	1.9
170°-180°	15.0	0.6
0°-30°	429.9	17.3
0°-40°	690.5	27.8
0°-60°	1121.7	45.1
0°-90°	1358.0	54.7
90°-120°	553.3	22.3
90°-150°	986.7	39.7
90°-180°	1126.0	45.3
0°-180°	2484.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	492	492	492	492	492	
5°	577	491	434	491	577	59
15°	793	470	348	470	793	224
25°	842	429	282	429	842	371
35°	498	372	250	372	498	316
45°	279	297	224	297	279	220
55°	183	210	195	210	183	165
65°	117	130	156	130	117	116
75°	59	63	97	63	59	62
85°	12	13	30	13	12	15
90°	6	0	6	0	6	6
95°	74	10	74	10	74	115
105°	428	36	428	36	428	423
115°	411	63	411	63	411	408
125°	328	87	328	87	328	298
135°	293	104	293	104	293	226
145°	239	120	239	120	239	152
155°	200	136	200	136	200	94
165°	175	148	175	148	175	50
175°	158	154	158	154	158	15
180°	155	155	155	155	155	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9
2.5°	523.5	523.4	521.8	521.4	520.3	518.8	518.5	515.8	510.7	508.2	507.6
5°	577.0	581.2	575.8	574.8	574.2	567.5	564.0	560.0	550.6	545.1	540.8
7.5°	641.0	641.4	639.1	637.3	632.1	626.2	617.4	608.0	596.8	585.3	576.5
10°	683.0	684.7	682.0	681.7	671.2	664.7	651.7	640.7	628.0	614.0	601.2
12.5°	727.4	725.1	723.8	715.1	713.1	701.2	686.0	674.8	655.2	639.0	622.0
15°	792.6	788.2	785.3	773.4	767.4	750.9	734.8	722.4	696.9	672.6	654.3
17.5°	831.0	835.4	828.9	823.9	808.7	797.0	780.6	754.5	734.6	704.5	681.3
20°	858.7	859.1	855.4	850.3	838.4	823.6	805.7	777.2	753.4	723.4	691.6
22.5°	866.2	866.3	864.7	860.0	850.8	839.0	820.9	797.0	768.2	735.6	703.8
25°	841.5	840.8	842.6	847.9	844.5	840.8	830.3	812.6	785.7	751.3	717.0
27.5°	750.1	755.8	766.1	779.1	791.7	801.2	803.9	800.3	783.7	755.4	719.5
30°	684.2	691.2	699.0	712.0	737.3	751.7	767.6	779.6	772.9	750.3	716.9
32.5°	611.9	613.6	625.1	639.9	663.1	690.9	716.1	740.5	748.6	736.8	708.9
35°	497.6	500.5	512.9	527.5	555.9	590.0	627.8	661.7	689.6	700.8	686.5
37.5°	406.0	414.2	423.0	438.8	463.7	494.4	533.7	577.6	619.1	647.0	651.8
40°	362.7	367.8	374.1	386.2	407.3	437.5	471.3	521.4	565.7	605.6	618.6
42.5°	328.5	331.5	335.4	346.2	362.3	392.4	423.3	467.4	511.7	559.5	581.3
45°	279.1	282.2	288.8	295.1	307.3	328.0	356.8	393.0	437.7	483.7	524.1
47.5°	243.6	245.5	249.3	256.1	266.6	280.3	303.6	333.9	375.2	420.0	463.0
50°	223.3	225.0	228.0	234.1	242.1	254.3	273.5	301.8	334.2	379.2	421.4
52.5°	207.3	208.0	210.3	214.4	220.8	231.0	246.8	270.2	300.3	340.4	382.5
55°	182.6	183.4	185.5	188.5	194.0	200.5	212.5	230.1	256.3	291.2	327.7
57.5°	162.2	162.8	164.5	165.7	170.2	175.5	184.8	197.3	217.1	246.8	279.3
60°	149.1	148.8	150.8	151.8	154.9	159.4	166.5	178.5	195.8	219.6	249.6
62.5°	136.5	135.9	137.6	139.0	140.7	144.5	150.3	159.7	173.8	195.4	221.3
65°	117.4	116.6	117.6	119.2	120.8	122.9	127.2	135.5	146.7	162.2	181.9
67.5°	98.2	99.1	99.3	100.0	101.0	103.8	106.7	112.6	120.5	132.9	149.6
70°	86.8	87.0	87.8	87.8	88.4	90.9	93.3	96.8	104.5	116.0	129.6
72.5°	75.4	76.3	75.9	76.5	77.1	78.7	80.4	83.8	90.3	98.8	110.4
75°	58.7	59.3	59.3	59.5	60.1	60.7	62.2	64.6	69.3	75.6	83.5
77.5°	42.8	42.9	43.1	43.9	43.9	44.9	45.9	47.9	50.2	54.5	59.4
80°	33.0	33.4	33.2	33.7	33.7	34.4	34.9	37.3	38.3	41.2	45.0
82.5°	24.2	24.6	24.5	25.1	25.5	25.7	26.2	27.2	28.2	30.7	32.3
85°	12.2	12.7	12.2	12.7	13.3	13.4	14.0	14.3	15.1	15.7	17.1
87.5°	4.8	5.3	5.4	5.5	5.8	5.9	6.0	5.9	6.4	6.6	7.1
90°	6.4	6.4	6.7	6.4	6.1	6.1	5.8	5.5	5.2	5.5	4.9
92.5°	23.4	23.4	24.5	26.1	29.7	35.8	44.9	59.8	80.4	96.5	84.5
95°	74.2	78.2	83.7	93.1	108.1	137.5	178.3	225.5	255.0	248.0	187.2
97.5°	198.5	204.8	214.0	232.2	254.1	285.9	315.6	333.1	320.4	261.2	175.1
100°	279.1	281.5	290.6	309.2	335.6	358.2	373.1	367.0	322.5	244.7	158.9
102.5°	349.1	351.1	360.8	374.2	390.4	399.8	395.5	365.3	304.3	223.9	147.9
105°	428.2	430.0	434.2	436.7	436.1	423.6	393.5	340.8	271.1	199.6	138.4
107.5°	457.4	456.7	453.7	446.7	431.7	404.5	362.1	306.1	244.4	186.0	136.7
110°	458.0	455.2	449.8	437.0	415.3	381.9	337.8	285.2	231.0	181.3	137.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	443.6	439.2	431.5	416.0	391.5	358.0	316.3	269.8	223.4	179.2	138.7
115°	411.1	408.7	398.9	380.6	356.6	327.4	291.8	254.4	216.4	178.1	141.5
117.5°	378.2	376.3	366.4	351.1	330.6	305.8	277.8	246.8	213.2	177.7	144.5
120°	359.7	356.4	348.4	335.0	317.7	296.1	271.7	243.4	211.5	177.7	146.7
122.5°	345.1	341.7	335.0	323.6	308.9	290.0	267.9	240.5	209.6	177.5	148.9
125°	328.0	326.2	320.5	311.6	299.5	282.7	261.7	235.6	206.3	177.1	152.1
127.5°	318.1	316.2	311.3	303.5	291.3	275.4	254.4	229.5	202.0	176.4	154.8
130°	312.2	310.4	305.5	297.9	285.4	269.3	248.7	224.5	199.3	176.2	156.7
132.5°	305.7	303.8	299.2	290.6	278.4	262.3	242.0	219.5	196.9	176.0	158.4
135°	293.3	291.5	286.6	278.1	266.0	250.7	232.2	212.4	193.2	175.6	161.0
137.5°	278.1	276.0	271.9	263.6	252.1	238.4	222.7	206.0	190.1	175.6	162.5
140°	267.2	264.8	260.5	253.8	243.1	230.3	216.6	202.3	188.4	175.3	163.7
142.5°	255.5	253.8	250.0	243.8	234.4	223.3	211.5	199.0	186.9	175.3	164.7
145°	239.4	238.0	234.9	229.7	222.1	213.6	204.5	194.2	184.4	174.7	165.2
147.5°	225.3	224.7	222.5	218.0	212.4	205.7	198.4	190.2	182.2	173.6	165.6
150°	217.2	217.0	215.2	211.2	206.3	200.9	194.8	187.8	180.5	172.8	165.6
152.5°	210.0	209.7	208.5	205.3	201.2	196.7	191.1	185.1	178.5	171.6	165.1
155°	200.5	200.5	199.6	197.2	194.2	190.5	185.9	181.1	175.6	169.8	164.4
157.5°	192.3	192.3	191.7	189.9	187.6	184.7	180.8	176.8	172.6	167.9	163.5
160°	187.2	187.2	186.8	185.0	183.2	180.7	177.4	174.1	170.4	166.4	162.8
162.5°	182.3	182.5	182.2	180.4	179.1	176.8	174.3	171.4	168.5	165.0	162.0
165°	175.0	175.3	175.6	174.4	173.1	171.6	169.5	167.6	165.2	162.8	160.7
167.5°	169.2	169.4	169.5	168.7	168.1	167.2	165.5	164.1	162.3	160.6	159.2
170°	165.6	165.6	165.8	165.6	165.0	164.0	162.8	161.9	160.4	159.1	158.3
172.5°	161.9	162.4	162.6	162.4	162.0	161.4	160.6	160.0	158.7	157.6	157.3
175°	157.6	158.3	158.9	158.3	158.3	158.3	157.6	157.3	156.7	156.1	156.1
177.5°	155.2	155.6	156.1	155.8	156.1	155.8	155.8	155.6	155.4	155.2	155.2
180°	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9
2.5°	507.7	505.4	503.8	502.5	498.9	496.8	495.2	492.9	490.3	487.5	484.1
5°	536.5	529.6	524.5	516.8	509.5	503.3	497.0	491.3	484.4	476.8	471.3
7.5°	566.8	556.5	543.3	531.8	518.9	507.7	497.7	487.5	476.8	466.4	456.9
10°	586.1	572.8	558.1	540.8	524.5	510.1	496.6	483.5	470.9	458.3	447.5
12.5°	606.7	590.2	568.5	548.3	530.0	510.7	494.5	478.5	463.2	450.0	437.4
15°	634.6	610.7	585.7	558.5	534.5	511.9	489.7	469.5	452.4	434.8	422.6
17.5°	651.6	622.1	593.5	565.2	536.1	507.5	483.5	460.3	438.9	421.5	406.0
20°	662.9	633.5	597.9	569.6	534.9	505.6	477.9	451.9	429.6	411.0	395.1
22.5°	672.6	638.8	603.0	565.8	531.3	500.2	469.8	443.8	420.9	401.4	386.2
25°	678.0	639.0	600.3	563.2	524.1	487.2	459.7	429.1	404.7	384.1	367.8
27.5°	678.6	636.9	593.1	551.9	511.5	477.2	442.5	415.1	389.8	368.0	352.3
30°	676.7	633.4	586.3	541.7	501.1	463.8	433.6	403.9	378.0	356.4	340.1
32.5°	671.0	625.9	577.5	530.2	488.2	451.7	420.6	392.3	367.0	345.8	328.6
35°	654.5	609.8	558.4	509.2	466.2	429.4	401.2	372.5	347.2	327.1	310.6
37.5°	628.7	588.4	536.0	485.2	442.9	405.9	378.0	352.1	329.2	308.8	291.9
40°	606.2	570.8	518.1	468.6	423.0	387.8	361.7	337.9	315.2	295.8	279.7
42.5°	580.3	549.4	500.9	448.5	404.4	369.0	343.6	322.2	300.9	283.0	266.9
45°	534.1	513.7	468.0	419.6	373.7	340.3	316.1	297.3	279.4	261.8	248.4
47.5°	481.0	470.8	432.4	386.3	342.9	309.9	288.9	271.6	255.8	241.0	229.1
50°	445.2	440.3	407.2	362.7	321.2	290.2	269.0	254.1	240.6	227.6	216.4
52.5°	410.0	409.8	379.9	339.2	300.7	271.0	249.9	236.0	224.4	213.8	203.7
55°	356.2	361.9	338.5	302.2	267.8	240.8	221.9	209.5	201.3	192.6	185.0
57.5°	306.8	316.2	296.9	264.9	236.2	211.5	194.9	185.6	176.9	171.6	166.1
60°	274.5	283.4	268.4	241.5	214.4	193.2	177.5	169.1	161.6	157.9	154.0
62.5°	245.8	253.7	242.6	217.7	194.2	173.7	160.5	152.5	147.4	143.4	140.9
65°	204.8	211.5	201.9	183.8	163.6	147.3	136.6	130.2	125.4	123.7	120.8
67.5°	165.6	171.7	166.5	151.1	134.9	122.5	114.1	108.1	105.1	103.8	101.7
70°	142.2	148.4	142.8	129.4	116.9	106.6	98.6	95.1	92.1	91.5	88.7
72.5°	122.5	126.7	121.1	110.6	100.0	91.3	85.1	81.5	79.9	78.8	77.2
75°	91.9	95.6	91.9	83.8	76.2	70.1	64.8	63.4	61.6	61.0	59.9
77.5°	65.0	68.2	65.4	60.4	54.7	49.9	47.1	45.3	44.9	43.8	44.3
80°	49.7	51.7	49.1	45.6	41.2	37.9	35.9	34.9	33.7	33.2	34.0
82.5°	35.7	36.6	35.2	32.9	29.6	27.5	26.1	24.9	24.6	24.7	24.7
85°	18.5	18.3	18.2	16.1	15.1	13.7	12.8	12.7	12.4	12.8	13.3
87.5°	7.1	7.2	6.7	6.0	5.5	4.9	4.6	4.3	4.6	4.9	5.2
90°	4.2	4.2	2.4	2.4	2.2	1.8	0.9	0.3	0.9	1.8	2.2
92.5°	61.5	37.9	22.4	16.1	11.6	7.9	5.1	3.4	5.1	7.9	11.6
95°	114.4	64.5	38.1	25.2	18.0	14.0	10.9	10.1	10.9	14.0	18.0
97.5°	102.9	61.6	41.2	30.6	24.3	20.7	18.0	18.0	18.0	20.7	24.3
100°	96.8	62.4	44.4	34.7	28.9	25.2	23.2	23.2	23.2	25.2	28.9
102.5°	95.1	64.8	48.6	39.3	33.8	30.4	28.5	28.0	28.5	30.4	33.8
105°	95.8	70.6	56.0	47.2	41.7	38.1	36.5	35.6	36.5	38.1	41.7
107.5°	100.4	77.3	64.0	55.3	50.0	46.1	44.6	44.0	44.6	46.1	50.0
110°	103.8	82.5	69.1	60.9	55.4	51.7	50.2	49.6	50.2	51.7	55.4





TEST NUMBER: P332492-935

CATALOG NUMBER: SA4XXDIP-C350D365U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	107.5	87.3	74.4	66.2	60.7	57.3	55.5	54.9	55.5	57.3	60.7
115°	113.2	95.0	82.7	74.6	68.8	65.7	63.6	62.7	63.6	65.7	68.8
117.5°	119.1	102.3	90.7	82.2	76.8	73.4	71.5	70.7	71.5	73.4	76.8
120°	123.2	107.5	95.8	87.3	82.1	78.8	76.7	76.1	76.7	78.8	82.1
122.5°	127.2	112.3	100.7	92.5	86.8	83.7	81.5	80.9	81.5	83.7	86.8
125°	132.9	119.0	108.1	99.5	93.8	90.4	88.5	87.3	88.5	90.4	93.8
127.5°	138.0	125.2	114.6	106.0	100.0	96.2	93.9	93.0	93.9	96.2	100.0
130°	141.2	129.3	119.0	110.1	104.4	99.8	97.4	96.2	97.4	99.8	104.4
132.5°	144.4	132.8	122.3	114.1	107.8	103.5	100.3	99.4	100.3	103.5	107.8
135°	148.5	137.5	127.5	119.6	113.2	108.1	105.0	103.8	105.0	108.1	113.2
137.5°	151.4	141.2	131.8	124.2	117.6	112.7	109.3	108.2	109.3	112.7	117.6
140°	153.3	143.6	134.5	127.2	120.8	115.6	112.3	111.4	112.3	115.6	120.8
142.5°	154.8	145.9	136.9	129.8	123.7	118.8	115.7	114.8	115.7	118.8	123.7
145°	156.4	148.2	140.3	133.6	127.8	123.6	120.5	119.6	120.5	123.6	127.8
147.5°	157.8	150.6	143.2	137.2	132.3	128.0	125.3	125.0	125.3	128.0	132.3
150°	158.5	151.9	145.2	139.4	134.8	131.1	128.7	128.4	128.7	131.1	134.8
152.5°	159.0	152.8	146.9	141.5	137.5	134.1	131.6	131.6	131.6	134.1	137.5
155°	159.5	154.3	149.1	144.6	141.2	138.2	136.3	136.0	136.3	138.2	141.2
157.5°	159.5	155.3	150.9	147.3	144.4	142.1	140.3	140.3	140.3	142.1	144.4
160°	159.5	155.8	152.1	148.8	146.4	144.2	143.0	143.0	143.0	144.2	146.4
162.5°	159.5	156.3	152.9	150.2	148.1	146.2	145.3	145.4	145.3	146.2	148.1
165°	158.9	156.4	153.7	151.9	150.3	148.8	148.2	148.2	148.2	148.8	150.3
167.5°	158.1	156.4	154.4	152.9	152.1	150.9	150.6	150.9	150.6	150.9	152.1
170°	157.6	156.1	154.5	153.7	153.1	152.1	151.9	152.1	151.9	152.1	153.1
172.5°	157.1	155.8	154.8	154.1	153.8	153.1	153.1	153.3	153.1	153.1	153.8
175°	156.4	155.5	154.9	154.9	154.5	154.3	154.3	154.5	154.3	154.3	154.5
177.5°	155.6	155.2	154.9	154.9	154.9	154.6	154.9	155.2	154.9	154.6	154.9
180°	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9



TEST NUMBER: P332492-935

CATALOG NUMBER: SA4XXDIP-C350D365U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9
2.5°	482.4	481.0	478.9	476.0	473.5	470.9	470.2	469.2	471.2	469.6	469.1
5°	466.7	462.4	456.8	450.6	446.9	441.6	440.6	438.5	436.4	436.3	434.2
7.5°	449.9	443.6	436.4	430.0	424.0	418.2	414.4	413.6	410.6	408.8	406.8
10°	439.1	431.4	423.0	416.9	410.0	403.9	399.6	397.2	395.1	392.9	390.8
12.5°	426.5	418.2	411.3	404.7	396.5	391.8	384.8	380.6	380.1	380.1	374.9
15°	411.6	403.5	392.9	383.5	379.0	370.1	366.2	361.3	358.3	355.2	352.8
17.5°	394.7	384.5	376.3	365.5	357.0	349.8	344.7	341.8	337.2	332.9	329.8
20°	384.1	373.3	364.5	353.1	343.8	335.0	330.7	326.7	323.2	319.5	316.1
22.5°	373.3	362.1	351.4	340.3	331.6	322.3	318.1	312.6	309.4	307.3	303.8
25°	356.4	344.1	331.9	321.3	312.4	304.2	298.8	294.5	290.8	289.1	286.9
27.5°	337.9	325.8	314.0	302.0	291.8	285.9	281.5	278.3	276.1	274.0	272.9
30°	326.2	313.6	301.0	289.7	280.4	274.5	270.4	268.2	266.6	265.5	264.5
32.5°	314.4	301.9	288.6	278.4	269.9	264.7	261.6	259.3	258.6	258.2	257.8
35°	295.2	282.7	270.4	261.2	253.3	251.2	248.6	247.4	246.9	248.4	249.0
37.5°	276.8	265.1	253.8	245.0	239.7	236.8	235.8	235.9	237.4	238.6	240.0
40°	264.9	253.5	242.9	235.1	230.2	228.4	228.0	229.0	230.7	232.1	233.8
42.5°	253.3	242.1	232.5	225.2	221.8	220.1	220.3	221.4	223.7	225.4	227.8
45°	235.4	226.0	216.6	210.7	207.8	208.3	208.3	210.1	212.3	215.0	217.7
47.5°	218.4	209.0	201.3	196.3	194.8	194.5	195.6	198.0	201.2	204.5	208.2
50°	207.1	198.0	191.3	186.8	185.2	185.8	187.4	189.7	193.6	197.7	201.6
52.5°	195.4	187.3	181.1	176.9	175.7	176.8	178.5	182.0	185.5	189.9	194.5
55°	177.5	170.6	165.7	162.6	162.2	162.8	164.6	168.5	173.4	178.9	183.4
57.5°	159.6	153.8	149.3	147.2	147.4	148.0	151.0	155.6	160.8	166.7	172.5
60°	147.5	142.2	138.5	136.9	137.2	138.4	142.1	146.3	152.8	158.5	164.6
62.5°	136.1	131.5	127.9	126.5	126.2	128.9	132.4	136.8	143.4	149.7	156.4
65°	117.8	114.1	111.2	110.5	111.1	113.1	117.6	123.5	129.0	135.7	142.7
67.5°	99.9	96.9	94.9	95.2	96.0	99.0	102.7	107.8	114.1	121.1	127.9
70°	88.4	85.6	83.9	84.1	85.4	89.0	92.3	97.4	104.1	111.2	116.9
72.5°	76.7	74.8	73.4	74.2	75.4	77.9	82.1	87.1	93.1	99.7	105.7
75°	58.9	58.9	58.1	58.7	60.5	62.9	66.0	71.3	77.2	82.6	87.4
77.5°	43.7	43.2	43.7	44.5	45.5	48.5	52.0	55.8	60.2	65.5	69.6
80°	33.4	33.7	34.6	35.9	36.2	38.5	42.2	45.6	49.1	53.6	57.4
82.5°	25.1	25.3	25.8	27.4	27.8	30.2	32.5	36.0	39.2	42.2	45.4
85°	13.7	13.7	14.6	15.3	16.3	17.9	19.4	21.4	24.3	26.3	29.4
87.5°	5.7	5.7	6.7	7.1	7.7	8.6	8.9	10.7	11.5	12.3	13.8
90°	2.4	2.4	4.2	4.2	4.9	5.5	5.2	5.5	5.8	6.1	6.1
92.5°	16.1	22.4	37.9	61.5	84.5	96.5	80.4	59.8	44.9	35.8	29.7
95°	25.2	38.1	64.5	114.4	187.2	248.0	255.0	225.5	178.3	137.5	108.1
97.5°	30.6	41.2	61.6	102.9	175.1	261.2	320.4	333.1	315.6	285.9	254.1
100°	34.7	44.4	62.4	96.8	158.9	244.7	322.5	367.0	373.1	358.2	335.6
102.5°	39.3	48.6	64.8	95.1	147.9	223.9	304.3	365.3	395.5	399.8	390.4
105°	47.2	56.0	70.6	95.8	138.4	199.6	271.1	340.8	393.5	423.6	436.1
107.5°	55.3	64.0	77.3	100.4	136.7	186.0	244.4	306.1	362.1	404.5	431.7
110°	60.9	69.1	82.5	103.8	137.2	181.3	231.0	285.2	337.8	381.9	415.3



TEST NUMBER: P332492-935

CATALOG NUMBER: SA4XXDIP-C350D365U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	66.2	74.4	87.3	107.5	138.7	179.2	223.4	269.8	316.3	358.0	391.5
115°	74.6	82.7	95.0	113.2	141.5	178.1	216.4	254.4	291.8	327.4	356.6
117.5°	82.2	90.7	102.3	119.1	144.5	177.7	213.2	246.8	277.8	305.8	330.6
120°	87.3	95.8	107.5	123.2	146.7	177.7	211.5	243.4	271.7	296.1	317.7
122.5°	92.5	100.7	112.3	127.2	148.9	177.5	209.6	240.5	267.9	290.0	308.9
125°	99.5	108.1	119.0	132.9	152.1	177.1	206.3	235.6	261.7	282.7	299.5
127.5°	106.0	114.6	125.2	138.0	154.8	176.4	202.0	229.5	254.4	275.4	291.3
130°	110.1	119.0	129.3	141.2	156.7	176.2	199.3	224.5	248.7	269.3	285.4
132.5°	114.1	122.3	132.8	144.4	158.4	176.0	196.9	219.5	242.0	262.3	278.4
135°	119.6	127.5	137.5	148.5	161.0	175.6	193.2	212.4	232.2	250.7	266.0
137.5°	124.2	131.8	141.2	151.4	162.5	175.6	190.1	206.0	222.7	238.4	252.1
140°	127.2	134.5	143.6	153.3	163.7	175.3	188.4	202.3	216.6	230.3	243.1
142.5°	129.8	136.9	145.9	154.8	164.7	175.3	186.9	199.0	211.5	223.3	234.4
145°	133.6	140.3	148.2	156.4	165.2	174.7	184.4	194.2	204.5	213.6	222.1
147.5°	137.2	143.2	150.6	157.8	165.6	173.6	182.2	190.2	198.4	205.7	212.4
150°	139.4	145.2	151.9	158.5	165.6	172.8	180.5	187.8	194.8	200.9	206.3
152.5°	141.5	146.9	152.8	159.0	165.1	171.6	178.5	185.1	191.1	196.7	201.2
155°	144.6	149.1	154.3	159.5	164.4	169.8	175.6	181.1	185.9	190.5	194.2
157.5°	147.3	150.9	155.3	159.5	163.5	167.9	172.6	176.8	180.8	184.7	187.6
160°	148.8	152.1	155.8	159.5	162.8	166.4	170.4	174.1	177.4	180.7	183.2
162.5°	150.2	152.9	156.3	159.5	162.0	165.0	168.5	171.4	174.3	176.8	179.1
165°	151.9	153.7	156.4	158.9	160.7	162.8	165.2	167.6	169.5	171.6	173.1
167.5°	152.9	154.4	156.4	158.1	159.2	160.6	162.3	164.1	165.5	167.2	168.1
170°	153.7	154.5	156.1	157.6	158.3	159.1	160.4	161.9	162.8	164.0	165.0
172.5°	154.1	154.8	155.8	157.1	157.3	157.6	158.7	160.0	160.6	161.4	162.0
175°	154.9	154.9	155.5	156.4	156.1	156.1	156.7	157.3	157.6	158.3	158.3
177.5°	154.9	154.9	155.2	155.6	155.2	155.2	155.4	155.6	155.8	155.8	156.1
180°	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9



TEST NUMBER: P332492-935

CATALOG NUMBER: SA4XXDIP-C350D365U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9
2.5°	468.7	468.5	467.3	467.1	467.3	468.5	468.7	469.1	469.6	471.2	469.2
5°	433.0	432.0	431.4	433.6	431.4	432.0	433.0	434.2	436.3	436.4	438.5
7.5°	406.0	405.3	403.5	402.9	403.5	405.3	406.0	406.8	408.8	410.6	413.6
10°	388.8	388.0	386.3	385.9	386.3	388.0	388.8	390.8	392.9	395.1	397.2
12.5°	372.1	370.6	370.2	370.7	370.2	370.6	372.1	374.9	380.1	380.1	380.6
15°	350.1	349.2	347.0	347.7	347.0	349.2	350.1	352.8	355.2	358.3	361.3
17.5°	328.3	327.4	324.6	327.0	324.6	327.4	328.3	329.8	332.9	337.2	341.8
20°	314.6	313.0	311.6	311.3	311.6	313.0	314.6	316.1	319.5	323.2	326.7
22.5°	301.6	300.1	300.0	298.7	300.0	300.1	301.6	303.8	307.3	309.4	312.6
25°	285.2	283.9	283.4	282.4	283.4	283.9	285.2	286.9	289.1	290.8	294.5
27.5°	272.8	272.1	271.3	271.6	271.3	272.1	272.8	272.9	274.0	276.1	278.3
30°	265.1	264.9	264.5	264.5	264.5	264.9	265.1	264.5	265.5	266.6	268.2
32.5°	258.7	258.7	259.0	259.0	259.0	258.7	258.7	257.8	258.2	258.6	259.3
35°	249.9	250.5	250.8	250.2	250.8	250.5	249.9	249.0	248.4	246.9	247.4
37.5°	241.8	242.4	243.0	243.7	243.0	242.4	241.8	240.0	238.6	237.4	235.9
40°	235.6	236.9	237.4	238.4	237.4	236.9	235.6	233.8	232.1	230.7	229.0
42.5°	229.7	231.3	232.3	232.6	232.3	231.3	229.7	227.8	225.4	223.7	221.4
45°	220.7	222.3	223.8	223.8	223.8	222.3	220.7	217.7	215.0	212.3	210.1
47.5°	211.4	213.7	215.2	215.5	215.2	213.7	211.4	208.2	204.5	201.2	198.0
50°	205.0	207.8	209.3	210.3	209.3	207.8	205.0	201.6	197.7	193.6	189.7
52.5°	198.8	201.6	203.5	204.1	203.5	201.6	198.8	194.5	189.9	185.5	182.0
55°	188.0	192.2	194.4	195.2	194.4	192.2	188.0	183.4	178.9	173.4	168.5
57.5°	178.0	181.8	184.3	184.9	184.3	181.8	178.0	172.5	166.7	160.8	155.6
60°	170.1	174.3	177.5	178.1	177.5	174.3	170.1	164.6	158.5	152.8	146.3
62.5°	162.1	166.4	169.4	170.9	169.4	166.4	162.1	156.4	149.7	143.4	136.8
65°	148.4	152.7	155.5	156.1	155.5	152.7	148.4	142.7	135.7	129.0	123.5
67.5°	133.3	137.6	139.4	140.6	139.4	137.6	133.3	127.9	121.1	114.1	107.8
70°	122.7	126.1	128.2	129.2	128.2	126.1	122.7	116.9	111.2	104.1	97.4
72.5°	110.6	114.3	116.6	116.8	116.6	114.3	110.6	105.7	99.7	93.1	87.1
75°	92.1	95.4	96.6	96.6	96.6	95.4	92.1	87.4	82.6	77.2	71.3
77.5°	72.9	74.6	76.1	76.5	76.1	74.6	72.9	69.6	65.5	60.2	55.8
80°	60.5	61.6	62.8	62.8	62.8	61.6	60.5	57.4	53.6	49.1	45.6
82.5°	47.8	48.6	49.9	49.7	49.9	48.6	47.8	45.4	42.2	39.2	36.0
85°	28.9	30.7	30.6	30.1	30.6	30.7	28.9	29.4	26.3	24.3	21.4
87.5°	14.3	14.6	15.0	15.3	15.0	14.6	14.3	13.8	12.3	11.5	10.7
90°	6.4	6.7	6.4	6.4	6.4	6.7	6.4	6.1	6.1	5.8	5.5
92.5°	26.1	24.5	23.4	23.4	23.4	24.5	26.1	29.7	35.8	44.9	59.8
95°	93.1	83.7	78.2	74.2	78.2	83.7	93.1	108.1	137.5	178.3	225.5
97.5°	232.2	214.0	204.8	198.5	204.8	214.0	232.2	254.1	285.9	315.6	333.1
100°	309.2	290.6	281.5	279.1	281.5	290.6	309.2	335.6	358.2	373.1	367.0
102.5°	374.2	360.8	351.1	349.1	351.1	360.8	374.2	390.4	399.8	395.5	365.3
105°	436.7	434.2	430.0	428.2	430.0	434.2	436.7	436.1	423.6	393.5	340.8
107.5°	446.7	453.7	456.7	457.4	456.7	453.7	446.7	431.7	404.5	362.1	306.1
110°	437.0	449.8	455.2	458.0	455.2	449.8	437.0	415.3	381.9	337.8	285.2



TEST NUMBER: P332492-935

CATALOG NUMBER: SA4XXDIP-C350D365U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	416.0	431.5	439.2	443.6	439.2	431.5	416.0	391.5	358.0	316.3	269.8
115°	380.6	398.9	408.7	411.1	408.7	398.9	380.6	356.6	327.4	291.8	254.4
117.5°	351.1	366.4	376.3	378.2	376.3	366.4	351.1	330.6	305.8	277.8	246.8
120°	335.0	348.4	356.4	359.7	356.4	348.4	335.0	317.7	296.1	271.7	243.4
122.5°	323.6	335.0	341.7	345.1	341.7	335.0	323.6	308.9	290.0	267.9	240.5
125°	311.6	320.5	326.2	328.0	326.2	320.5	311.6	299.5	282.7	261.7	235.6
127.5°	303.5	311.3	316.2	318.1	316.2	311.3	303.5	291.3	275.4	254.4	229.5
130°	297.9	305.5	310.4	312.2	310.4	305.5	297.9	285.4	269.3	248.7	224.5
132.5°	290.6	299.2	303.8	305.7	303.8	299.2	290.6	278.4	262.3	242.0	219.5
135°	278.1	286.6	291.5	293.3	291.5	286.6	278.1	266.0	250.7	232.2	212.4
137.5°	263.6	271.9	276.0	278.1	276.0	271.9	263.6	252.1	238.4	222.7	206.0
140°	253.8	260.5	264.8	267.2	264.8	260.5	253.8	243.1	230.3	216.6	202.3
142.5°	243.8	250.0	253.8	255.5	253.8	250.0	243.8	234.4	223.3	211.5	199.0
145°	229.7	234.9	238.0	239.4	238.0	234.9	229.7	222.1	213.6	204.5	194.2
147.5°	218.0	222.5	224.7	225.3	224.7	222.5	218.0	212.4	205.7	198.4	190.2
150°	211.2	215.2	217.0	217.2	217.0	215.2	211.2	206.3	200.9	194.8	187.8
152.5°	205.3	208.5	209.7	210.0	209.7	208.5	205.3	201.2	196.7	191.1	185.1
155°	197.2	199.6	200.5	200.5	200.5	199.6	197.2	194.2	190.5	185.9	181.1
157.5°	189.9	191.7	192.3	192.3	192.3	191.7	189.9	187.6	184.7	180.8	176.8
160°	185.0	186.8	187.2	187.2	187.2	186.8	185.0	183.2	180.7	177.4	174.1
162.5°	180.4	182.2	182.5	182.3	182.5	182.2	180.4	179.1	176.8	174.3	171.4
165°	174.4	175.6	175.3	175.0	175.3	175.6	174.4	173.1	171.6	169.5	167.6
167.5°	168.7	169.5	169.4	169.2	169.4	169.5	168.7	168.1	167.2	165.5	164.1
170°	165.6	165.8	165.6	165.6	165.6	165.8	165.6	165.0	164.0	162.8	161.9
172.5°	162.4	162.6	162.4	161.9	162.4	162.6	162.4	162.0	161.4	160.6	160.0
175°	158.3	158.9	158.3	157.6	158.3	158.9	158.3	158.3	158.3	157.6	157.3
177.5°	155.8	156.1	155.6	155.2	155.6	156.1	155.8	156.1	155.8	155.8	155.6
180°	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9



TEST NUMBER: P332492-935

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9
2.5°	470.2	470.9	473.5	476.0	478.9	481.0	482.4	484.1	487.5	490.3	492.9
5°	440.6	441.6	446.9	450.6	456.8	462.4	466.7	471.3	476.8	484.4	491.3
7.5°	414.4	418.2	424.0	430.0	436.4	443.6	449.9	456.9	466.4	476.8	487.5
10°	399.6	403.9	410.0	416.9	423.0	431.4	439.1	447.5	458.3	470.9	483.5
12.5°	384.8	391.8	396.5	404.7	411.3	418.2	426.5	437.4	450.0	463.2	478.5
15°	366.2	370.1	379.0	383.5	392.9	403.5	411.6	422.6	434.8	452.4	469.5
17.5°	344.7	349.8	357.0	365.5	376.3	384.5	394.7	406.0	421.5	438.9	460.3
20°	330.7	335.0	343.8	353.1	364.5	373.3	384.1	395.1	411.0	429.6	451.9
22.5°	318.1	322.3	331.6	340.3	351.4	362.1	373.3	386.2	401.4	420.9	443.8
25°	298.8	304.2	312.4	321.3	331.9	344.1	356.4	367.8	384.1	404.7	429.1
27.5°	281.5	285.9	291.8	302.0	314.0	325.8	337.9	352.3	368.0	389.8	415.1
30°	270.4	274.5	280.4	289.7	301.0	313.6	326.2	340.1	356.4	378.0	403.9
32.5°	261.6	264.7	269.9	278.4	288.6	301.9	314.4	328.6	345.8	367.0	392.3
35°	248.6	251.2	253.3	261.2	270.4	282.7	295.2	310.6	327.1	347.2	372.5
37.5°	235.8	236.8	239.7	245.0	253.8	265.1	276.8	291.9	308.8	329.2	352.1
40°	228.0	228.4	230.2	235.1	242.9	253.5	264.9	279.7	295.8	315.2	337.9
42.5°	220.3	220.1	221.8	225.2	232.5	242.1	253.3	266.9	283.0	300.9	322.2
45°	208.3	208.3	207.8	210.7	216.6	226.0	235.4	248.4	261.8	279.4	297.3
47.5°	195.6	194.5	194.8	196.3	201.3	209.0	218.4	229.1	241.0	255.8	271.6
50°	187.4	185.8	185.2	186.8	191.3	198.0	207.1	216.4	227.6	240.6	254.1
52.5°	178.5	176.8	175.7	176.9	181.1	187.3	195.4	203.7	213.8	224.4	236.0
55°	164.6	162.8	162.2	162.6	165.7	170.6	177.5	185.0	192.6	201.3	209.5
57.5°	151.0	148.0	147.4	147.2	149.3	153.8	159.6	166.1	171.6	176.9	185.6
60°	142.1	138.4	137.2	136.9	138.5	142.2	147.5	154.0	157.9	161.6	169.1
62.5°	132.4	128.9	126.2	126.5	127.9	131.5	136.1	140.9	143.4	147.4	152.5
65°	117.6	113.1	111.1	110.5	111.2	114.1	117.8	120.8	123.7	125.4	130.2
67.5°	102.7	99.0	96.0	95.2	94.9	96.9	99.9	101.7	103.8	105.1	108.1
70°	92.3	89.0	85.4	84.1	83.9	85.6	88.4	88.7	91.5	92.1	95.1
72.5°	82.1	77.9	75.4	74.2	73.4	74.8	76.7	77.2	78.8	79.9	81.5
75°	66.0	62.9	60.5	58.7	58.1	58.9	58.9	59.9	61.0	61.6	63.4
77.5°	52.0	48.5	45.5	44.5	43.7	43.2	43.7	44.3	43.8	44.9	45.3
80°	42.2	38.5	36.2	35.9	34.6	33.7	33.4	34.0	33.2	33.7	34.9
82.5°	32.5	30.2	27.8	27.4	25.8	25.3	25.1	24.7	24.7	24.6	24.9
85°	19.4	17.9	16.3	15.3	14.6	13.7	13.7	13.3	12.8	12.4	12.7
87.5°	8.9	8.6	7.7	7.1	6.7	5.7	5.7	5.2	4.9	4.6	4.3
90°	5.2	5.5	4.9	4.2	4.2	2.4	2.4	2.2	1.8	0.9	0.3
92.5°	80.4	96.5	84.5	61.5	37.9	22.4	16.1	11.6	7.9	5.1	3.4
95°	255.0	248.0	187.2	114.4	64.5	38.1	25.2	18.0	14.0	10.9	10.1
97.5°	320.4	261.2	175.1	102.9	61.6	41.2	30.6	24.3	20.7	18.0	18.0
100°	322.5	244.7	158.9	96.8	62.4	44.4	34.7	28.9	25.2	23.2	23.2
102.5°	304.3	223.9	147.9	95.1	64.8	48.6	39.3	33.8	30.4	28.5	28.0
105°	271.1	199.6	138.4	95.8	70.6	56.0	47.2	41.7	38.1	36.5	35.6
107.5°	244.4	186.0	136.7	100.4	77.3	64.0	55.3	50.0	46.1	44.6	44.0
110°	231.0	181.3	137.2	103.8	82.5	69.1	60.9	55.4	51.7	50.2	49.6



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	223.4	179.2	138.7	107.5	87.3	74.4	66.2	60.7	57.3	55.5	54.9
115°	216.4	178.1	141.5	113.2	95.0	82.7	74.6	68.8	65.7	63.6	62.7
117.5°	213.2	177.7	144.5	119.1	102.3	90.7	82.2	76.8	73.4	71.5	70.7
120°	211.5	177.7	146.7	123.2	107.5	95.8	87.3	82.1	78.8	76.7	76.1
122.5°	209.6	177.5	148.9	127.2	112.3	100.7	92.5	86.8	83.7	81.5	80.9
125°	206.3	177.1	152.1	132.9	119.0	108.1	99.5	93.8	90.4	88.5	87.3
127.5°	202.0	176.4	154.8	138.0	125.2	114.6	106.0	100.0	96.2	93.9	93.0
130°	199.3	176.2	156.7	141.2	129.3	119.0	110.1	104.4	99.8	97.4	96.2
132.5°	196.9	176.0	158.4	144.4	132.8	122.3	114.1	107.8	103.5	100.3	99.4
135°	193.2	175.6	161.0	148.5	137.5	127.5	119.6	113.2	108.1	105.0	103.8
137.5°	190.1	175.6	162.5	151.4	141.2	131.8	124.2	117.6	112.7	109.3	108.2
140°	188.4	175.3	163.7	153.3	143.6	134.5	127.2	120.8	115.6	112.3	111.4
142.5°	186.9	175.3	164.7	154.8	145.9	136.9	129.8	123.7	118.8	115.7	114.8
145°	184.4	174.7	165.2	156.4	148.2	140.3	133.6	127.8	123.6	120.5	119.6
147.5°	182.2	173.6	165.6	157.8	150.6	143.2	137.2	132.3	128.0	125.3	125.0
150°	180.5	172.8	165.6	158.5	151.9	145.2	139.4	134.8	131.1	128.7	128.4
152.5°	178.5	171.6	165.1	159.0	152.8	146.9	141.5	137.5	134.1	131.6	131.6
155°	175.6	169.8	164.4	159.5	154.3	149.1	144.6	141.2	138.2	136.3	136.0
157.5°	172.6	167.9	163.5	159.5	155.3	150.9	147.3	144.4	142.1	140.3	140.3
160°	170.4	166.4	162.8	159.5	155.8	152.1	148.8	146.4	144.2	143.0	143.0
162.5°	168.5	165.0	162.0	159.5	156.3	152.9	150.2	148.1	146.2	145.3	145.4
165°	165.2	162.8	160.7	158.9	156.4	153.7	151.9	150.3	148.8	148.2	148.2
167.5°	162.3	160.6	159.2	158.1	156.4	154.4	152.9	152.1	150.9	150.6	150.9
170°	160.4	159.1	158.3	157.6	156.1	154.5	153.7	153.1	152.1	151.9	152.1
172.5°	158.7	157.6	157.3	157.1	155.8	154.8	154.1	153.8	153.1	153.1	153.3
175°	156.7	156.1	156.1	156.4	155.5	154.9	154.9	154.5	154.3	154.3	154.5
177.5°	155.4	155.2	155.2	155.6	155.2	154.9	154.9	154.9	154.6	154.9	155.2
180°	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9



TEST NUMBER: P332492-935

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9	491.9
2.5°	495.2	496.8	498.9	502.5	503.8	505.4	507.7	507.6	508.2	510.7	515.8
5°	497.0	503.3	509.5	516.8	524.5	529.6	536.5	540.8	545.1	550.6	560.0
7.5°	497.7	507.7	518.9	531.8	543.3	556.5	566.8	576.5	585.3	596.8	608.0
10°	496.6	510.1	524.5	540.8	558.1	572.8	586.1	601.2	614.0	628.0	640.7
12.5°	494.5	510.7	530.0	548.3	568.5	590.2	606.7	622.0	639.0	655.2	674.8
15°	489.7	511.9	534.5	558.5	585.7	610.7	634.6	654.3	672.6	696.9	722.4
17.5°	483.5	507.5	536.1	565.2	593.5	622.1	651.6	681.3	704.5	734.6	754.5
20°	477.9	505.6	534.9	569.6	597.9	633.5	662.9	691.6	723.4	753.4	777.2
22.5°	469.8	500.2	531.3	565.8	603.0	638.8	672.6	703.8	735.6	768.2	797.0
25°	459.7	487.2	524.1	563.2	600.3	639.0	678.0	717.0	751.3	785.7	812.6
27.5°	442.5	477.2	511.5	551.9	593.1	636.9	678.6	719.5	755.4	783.7	800.3
30°	433.6	463.8	501.1	541.7	586.3	633.4	676.7	716.9	750.3	772.9	779.6
32.5°	420.6	451.7	488.2	530.2	577.5	625.9	671.0	708.9	736.8	748.6	740.5
35°	401.2	429.4	466.2	509.2	558.4	609.8	654.5	686.5	700.8	689.6	661.7
37.5°	378.0	405.9	442.9	485.2	536.0	588.4	628.7	651.8	647.0	619.1	577.6
40°	361.7	387.8	423.0	468.6	518.1	570.8	606.2	618.6	605.6	565.7	521.4
42.5°	343.6	369.0	404.4	448.5	500.9	549.4	580.3	581.3	559.5	511.7	467.4
45°	316.1	340.3	373.7	419.6	468.0	513.7	534.1	524.1	483.7	437.7	393.0
47.5°	288.9	309.9	342.9	386.3	432.4	470.8	481.0	463.0	420.0	375.2	333.9
50°	269.0	290.2	321.2	362.7	407.2	440.3	445.2	421.4	379.2	334.2	301.8
52.5°	249.9	271.0	300.7	339.2	379.9	409.8	410.0	382.5	340.4	300.3	270.2
55°	221.9	240.8	267.8	302.2	338.5	361.9	356.2	327.7	291.2	256.3	230.1
57.5°	194.9	211.5	236.2	264.9	296.9	316.2	306.8	279.3	246.8	217.1	197.3
60°	177.5	193.2	214.4	241.5	268.4	283.4	274.5	249.6	219.6	195.8	178.5
62.5°	160.5	173.7	194.2	217.7	242.6	253.7	245.8	221.3	195.4	173.8	159.7
65°	136.6	147.3	163.6	183.8	201.9	211.5	204.8	181.9	162.2	146.7	135.5
67.5°	114.1	122.5	134.9	151.1	166.5	171.7	165.6	149.6	132.9	120.5	112.6
70°	98.6	106.6	116.9	129.4	142.8	148.4	142.2	129.6	116.0	104.5	96.8
72.5°	85.1	91.3	100.0	110.6	121.1	126.7	122.5	110.4	98.8	90.3	83.8
75°	64.8	70.1	76.2	83.8	91.9	95.6	91.9	83.5	75.6	69.3	64.6
77.5°	47.1	49.9	54.7	60.4	65.4	68.2	65.0	59.4	54.5	50.2	47.9
80°	35.9	37.9	41.2	45.6	49.1	51.7	49.7	45.0	41.2	38.3	37.3
82.5°	26.1	27.5	29.6	32.9	35.2	36.6	35.7	32.3	30.7	28.2	27.2
85°	12.8	13.7	15.1	16.1	18.2	18.3	18.5	17.1	15.7	15.1	14.3
87.5°	4.6	4.9	5.5	6.0	6.7	7.2	7.1	7.1	6.6	6.4	5.9
90°	0.9	1.8	2.2	2.4	2.4	4.2	4.2	4.9	5.5	5.2	5.5
92.5°	5.1	7.9	11.6	16.1	22.4	37.9	61.5	84.5	96.5	80.4	59.8
95°	10.9	14.0	18.0	25.2	38.1	64.5	114.4	187.2	248.0	255.0	225.5
97.5°	18.0	20.7	24.3	30.6	41.2	61.6	102.9	175.1	261.2	320.4	333.1
100°	23.2	25.2	28.9	34.7	44.4	62.4	96.8	158.9	244.7	322.5	367.0
102.5°	28.5	30.4	33.8	39.3	48.6	64.8	95.1	147.9	223.9	304.3	365.3
105°	36.5	38.1	41.7	47.2	56.0	70.6	95.8	138.4	199.6	271.1	340.8
107.5°	44.6	46.1	50.0	55.3	64.0	77.3	100.4	136.7	186.0	244.4	306.1
110°	50.2	51.7	55.4	60.9	69.1	82.5	103.8	137.2	181.3	231.0	285.2





TEST NUMBER: P332492-935

CATALOG NUMBER: SA4XXDIP-C350D365U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	55.5	57.3	60.7	66.2	74.4	87.3	107.5	138.7	179.2	223.4	269.8
115°	63.6	65.7	68.8	74.6	82.7	95.0	113.2	141.5	178.1	216.4	254.4
117.5°	71.5	73.4	76.8	82.2	90.7	102.3	119.1	144.5	177.7	213.2	246.8
120°	76.7	78.8	82.1	87.3	95.8	107.5	123.2	146.7	177.7	211.5	243.4
122.5°	81.5	83.7	86.8	92.5	100.7	112.3	127.2	148.9	177.5	209.6	240.5
125°	88.5	90.4	93.8	99.5	108.1	119.0	132.9	152.1	177.1	206.3	235.6
127.5°	93.9	96.2	100.0	106.0	114.6	125.2	138.0	154.8	176.4	202.0	229.5
130°	97.4	99.8	104.4	110.1	119.0	129.3	141.2	156.7	176.2	199.3	224.5
132.5°	100.3	103.5	107.8	114.1	122.3	132.8	144.4	158.4	176.0	196.9	219.5
135°	105.0	108.1	113.2	119.6	127.5	137.5	148.5	161.0	175.6	193.2	212.4
137.5°	109.3	112.7	117.6	124.2	131.8	141.2	151.4	162.5	175.6	190.1	206.0
140°	112.3	115.6	120.8	127.2	134.5	143.6	153.3	163.7	175.3	188.4	202.3
142.5°	115.7	118.8	123.7	129.8	136.9	145.9	154.8	164.7	175.3	186.9	199.0
145°	120.5	123.6	127.8	133.6	140.3	148.2	156.4	165.2	174.7	184.4	194.2
147.5°	125.3	128.0	132.3	137.2	143.2	150.6	157.8	165.6	173.6	182.2	190.2
150°	128.7	131.1	134.8	139.4	145.2	151.9	158.5	165.6	172.8	180.5	187.8
152.5°	131.6	134.1	137.5	141.5	146.9	152.8	159.0	165.1	171.6	178.5	185.1
155°	136.3	138.2	141.2	144.6	149.1	154.3	159.5	164.4	169.8	175.6	181.1
157.5°	140.3	142.1	144.4	147.3	150.9	155.3	159.5	163.5	167.9	172.6	176.8
160°	143.0	144.2	146.4	148.8	152.1	155.8	159.5	162.8	166.4	170.4	174.1
162.5°	145.3	146.2	148.1	150.2	152.9	156.3	159.5	162.0	165.0	168.5	171.4
165°	148.2	148.8	150.3	151.9	153.7	156.4	158.9	160.7	162.8	165.2	167.6
167.5°	150.6	150.9	152.1	152.9	154.4	156.4	158.1	159.2	160.6	162.3	164.1
170°	151.9	152.1	153.1	153.7	154.5	156.1	157.6	158.3	159.1	160.4	161.9
172.5°	153.1	153.1	153.8	154.1	154.8	155.8	157.1	157.3	157.6	158.7	160.0
175°	154.3	154.3	154.5	154.9	154.9	155.5	156.4	156.1	156.1	156.7	157.3
177.5°	154.9	154.6	154.9	154.9	154.9	155.2	155.6	155.2	155.2	155.4	155.6
180°	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	491.9	491.9	491.9	491.9	491.9	491.9	491.9
2.5°	518.5	518.8	520.3	521.4	521.8	523.4	523.5
5°	564.0	567.5	574.2	574.8	575.8	581.2	577.0
7.5°	617.4	626.2	632.1	637.3	639.1	641.4	641.0
10°	651.7	664.7	671.2	681.7	682.0	684.7	683.0
12.5°	686.0	701.2	713.1	715.1	723.8	725.1	727.4
15°	734.8	750.9	767.4	773.4	785.3	788.2	792.6
17.5°	780.6	797.0	808.7	823.9	828.9	835.4	831.0
20°	805.7	823.6	838.4	850.3	855.4	859.1	858.7
22.5°	820.9	839.0	850.8	860.0	864.7	866.3	866.2
25°	830.3	840.8	844.5	847.9	842.6	840.8	841.5
27.5°	803.9	801.2	791.7	779.1	766.1	755.8	750.1
30°	767.6	751.7	737.3	712.0	699.0	691.2	684.2
32.5°	716.1	690.9	663.1	639.9	625.1	613.6	611.9
35°	627.8	590.0	555.9	527.5	512.9	500.5	497.6
37.5°	533.7	494.4	463.7	438.8	423.0	414.2	406.0
40°	471.3	437.5	407.3	386.2	374.1	367.8	362.7
42.5°	423.3	392.4	362.3	346.2	335.4	331.5	328.5
45°	356.8	328.0	307.3	295.1	288.8	282.2	279.1
47.5°	303.6	280.3	266.6	256.1	249.3	245.5	243.6
50°	273.5	254.3	242.1	234.1	228.0	225.0	223.3
52.5°	246.8	231.0	220.8	214.4	210.3	208.0	207.3
55°	212.5	200.5	194.0	188.5	185.5	183.4	182.6
57.5°	184.8	175.5	170.2	165.7	164.5	162.8	162.2
60°	166.5	159.4	154.9	151.8	150.8	148.8	149.1
62.5°	150.3	144.5	140.7	139.0	137.6	135.9	136.5
65°	127.2	122.9	120.8	119.2	117.6	116.6	117.4
67.5°	106.7	103.8	101.0	100.0	99.3	99.1	98.2
70°	93.3	90.9	88.4	87.8	87.8	87.0	86.8
72.5°	80.4	78.7	77.1	76.5	75.9	76.3	75.4
75°	62.2	60.7	60.1	59.5	59.3	59.3	58.7
77.5°	45.9	44.9	43.9	43.9	43.1	42.9	42.8
80°	34.9	34.4	33.7	33.7	33.2	33.4	33.0
82.5°	26.2	25.7	25.5	25.1	24.5	24.6	24.2
85°	14.0	13.4	13.3	12.7	12.2	12.7	12.2
87.5°	6.0	5.9	5.8	5.5	5.4	5.3	4.8
90°	5.8	6.1	6.1	6.4	6.7	6.4	6.4
92.5°	44.9	35.8	29.7	26.1	24.5	23.4	23.4
95°	178.3	137.5	108.1	93.1	83.7	78.2	74.2
97.5°	315.6	285.9	254.1	232.2	214.0	204.8	198.5
100°	373.1	358.2	335.6	309.2	290.6	281.5	279.1
102.5°	395.5	399.8	390.4	374.2	360.8	351.1	349.1
105°	393.5	423.6	436.1	436.7	434.2	430.0	428.2
107.5°	362.1	404.5	431.7	446.7	453.7	456.7	457.4
110°	337.8	381.9	415.3	437.0	449.8	455.2	458.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	316.3	358.0	391.5	416.0	431.5	439.2	443.6
115°	291.8	327.4	356.6	380.6	398.9	408.7	411.1
117.5°	277.8	305.8	330.6	351.1	366.4	376.3	378.2
120°	271.7	296.1	317.7	335.0	348.4	356.4	359.7
122.5°	267.9	290.0	308.9	323.6	335.0	341.7	345.1
125°	261.7	282.7	299.5	311.6	320.5	326.2	328.0
127.5°	254.4	275.4	291.3	303.5	311.3	316.2	318.1
130°	248.7	269.3	285.4	297.9	305.5	310.4	312.2
132.5°	242.0	262.3	278.4	290.6	299.2	303.8	305.7
135°	232.2	250.7	266.0	278.1	286.6	291.5	293.3
137.5°	222.7	238.4	252.1	263.6	271.9	276.0	278.1
140°	216.6	230.3	243.1	253.8	260.5	264.8	267.2
142.5°	211.5	223.3	234.4	243.8	250.0	253.8	255.5
145°	204.5	213.6	222.1	229.7	234.9	238.0	239.4
147.5°	198.4	205.7	212.4	218.0	222.5	224.7	225.3
150°	194.8	200.9	206.3	211.2	215.2	217.0	217.2
152.5°	191.1	196.7	201.2	205.3	208.5	209.7	210.0
155°	185.9	190.5	194.2	197.2	199.6	200.5	200.5
157.5°	180.8	184.7	187.6	189.9	191.7	192.3	192.3
160°	177.4	180.7	183.2	185.0	186.8	187.2	187.2
162.5°	174.3	176.8	179.1	180.4	182.2	182.5	182.3
165°	169.5	171.6	173.1	174.4	175.6	175.3	175.0
167.5°	165.5	167.2	168.1	168.7	169.5	169.4	169.2
170°	162.8	164.0	165.0	165.6	165.8	165.6	165.6
172.5°	160.6	161.4	162.0	162.4	162.6	162.4	161.9
175°	157.6	158.3	158.3	158.3	158.9	158.3	157.6
177.5°	155.8	155.8	156.1	155.8	156.1	155.6	155.2
180°	154.9	154.9	154.9	154.9	154.9	154.9	154.9

(END OF REPORT)