

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: P332528-930

Luminaire Tested: **SA4XXDIP-C350D1205U930-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332528-930  
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-C350D1205U930-4F0-1E-UDD-A4  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

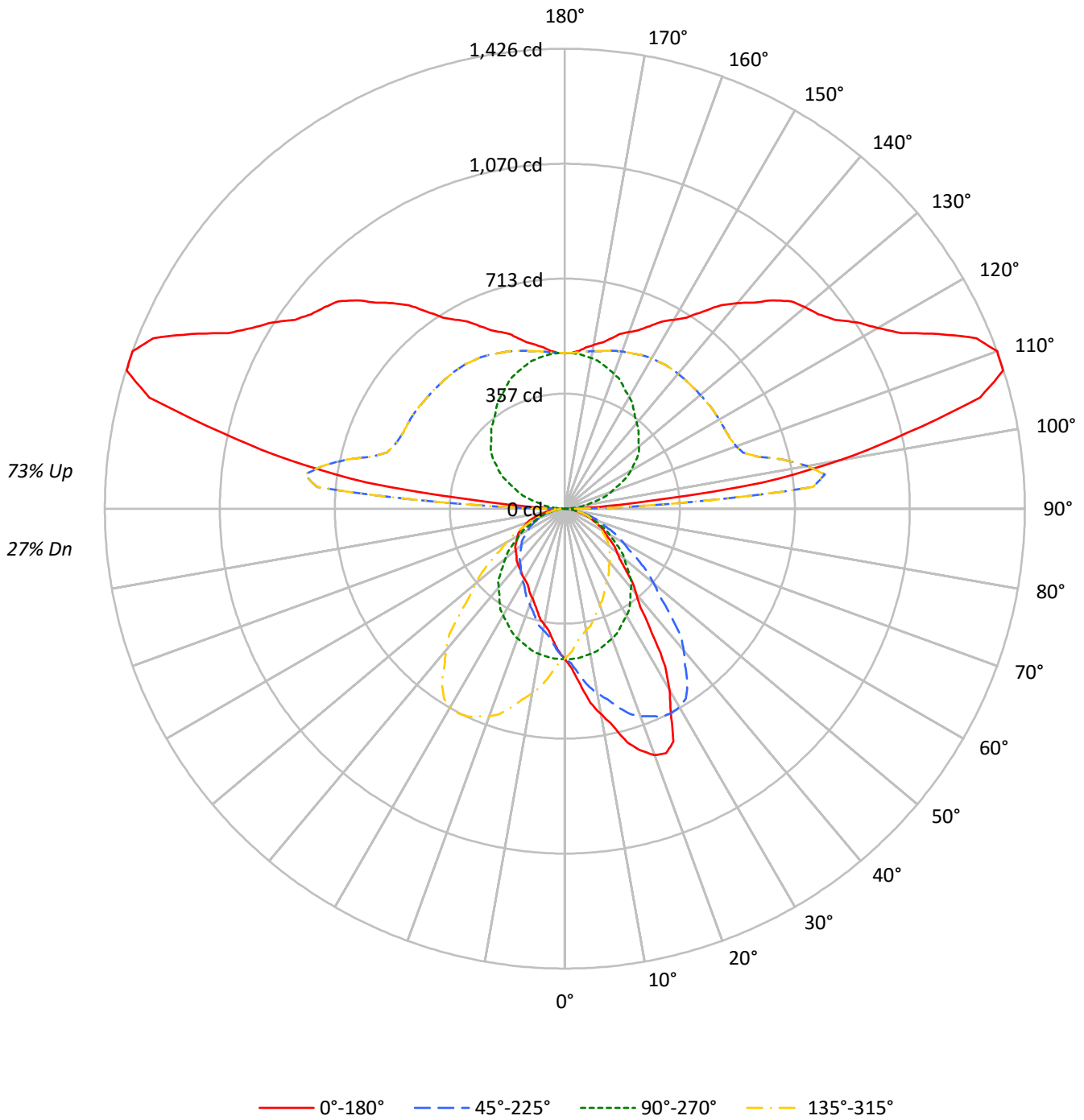
Lumens per Lamp: N/A  
Luminaire Lumens: 4794.9 lumens  
Efficiency: N/A  
Efficacy: 113.6 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 42.2  
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	102	102	102	102	91	91	91	91	70	70	70	52	52	52	35	35	35	27
1	93	89	85	82	83	79	76	73	62	60	58	46	44	43	31	30	30	23
2	84	77	72	67	75	69	64	60	54	51	48	40	38	36	27	26	25	19
3	77	68	61	56	69	61	55	50	48	44	40	36	33	31	24	23	21	16
4	70	60	53	47	63	54	48	43	43	38	34	32	29	26	22	20	19	14
5	65	54	46	40	57	48	42	37	38	33	30	28	25	23	20	18	16	12
6	59	48	40	35	53	43	36	32	34	29	26	26	22	20	18	16	14	11
7	55	43	36	30	49	39	32	28	31	26	23	23	20	18	16	14	13	10
8	51	39	32	27	45	35	29	24	28	23	20	21	18	16	15	13	11	9
9	47	35	28	23	42	32	26	22	26	21	18	20	16	14	14	12	10	8
10	44	32	26	21	39	29	23	19	24	19	16	18	15	13	13	11	9	7

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	3760	3760	3760	3760
5°	4428	3770	3327	3770
10°	5302	3754	2995	3754
15°	6273	3716	2751	3716
20°	6985	3677	2533	3677
25°	7098	3619	2382	3619
30°	6040	3566	2335	3566
35°	4644	3476	2335	3476
40°	3620	3371	2380	3371
45°	3017	3214	2419	3214
50°	2656	3022	2501	3022
55°	2434	2792	2601	2792
60°	2280	2585	2722	2585
65°	2122	2355	2823	2355
70°	1940	2127	2887	2127
75°	1734	1871	2854	1871
80°	1450	1534	2762	1534
85°	1074	1112	2640	1112



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.4	0.9
10°-20°	139.9	2.9
20°-30°	221.8	4.6
30°-40°	246.8	5.1
40°-50°	224.7	4.7
50°-60°	183.6	3.8
60°-70°	131.1	2.7
70°-80°	72.2	1.5
80°-90°	22.4	0.5
90°-100°	348.3	7.3
100°-110°	724.9	15.1
110°-120°	649.3	13.5
120°-130°	546.2	11.4
130°-140°	455.4	9.5
140°-150°	347.9	7.3
150°-160°	244.5	5.1
160°-170°	143.8	3.0
170°-180°	46.8	1.0
0°-30°	407.0	8.5
0°-40°	653.9	13.6
0°-60°	1062.2	22.2
0°-90°	1287.8	26.9
90°-120°	1722.5	35.9
90°-150°	3071.9	64.1
90°-180°	3507.0	73.1
0°-180°	4794.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	466	466	466	466	466	
5°	546	465	411	465	546	56
15°	751	445	329	445	751	212
25°	797	406	267	406	797	351
35°	471	353	237	353	471	299
45°	264	282	212	282	264	208
55°	173	198	185	198	173	156
65°	111	123	148	123	111	110
75°	56	60	92	60	56	59
85°	12	12	28	12	12	15
90°	20	1	20	1	20	16
95°	231	31	231	31	231	359
105°	1333	111	1333	111	1333	1318
115°	1280	195	1280	195	1280	1271
125°	1021	272	1021	272	1021	928
135°	913	323	913	323	913	705
145°	746	372	746	372	746	473
155°	624	424	624	424	624	291
165°	545	461	545	461	545	156
175°	491	481	491	481	491	48
180°	482	482	482	482	482	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8
2.5°	495.7	495.6	494.1	493.7	492.7	491.3	491.0	488.4	483.6	481.2	480.6
5°	546.4	550.3	545.3	544.3	543.7	537.4	534.1	530.3	521.4	516.2	512.1
7.5°	607.0	607.4	605.2	603.5	598.5	593.0	584.7	575.8	565.2	554.2	545.9
10°	646.8	648.3	645.8	645.5	635.6	629.4	617.1	606.7	594.7	581.4	569.2
12.5°	688.8	686.6	685.3	677.1	675.2	664.0	649.6	639.0	620.4	605.1	589.0
15°	750.6	746.3	743.6	732.3	726.7	711.0	695.8	684.0	659.9	636.9	619.5
17.5°	786.8	791.1	784.9	780.2	765.7	754.7	739.2	714.4	695.6	667.1	645.1
20°	813.1	813.5	810.0	805.2	793.9	779.9	763.0	736.0	713.4	685.0	654.8
22.5°	820.2	820.3	818.8	814.3	805.7	794.4	777.3	754.7	727.4	696.6	666.4
25°	796.9	796.1	797.9	802.9	799.6	796.1	786.3	769.5	744.0	711.4	679.0
27.5°	710.3	715.7	725.5	737.8	749.7	758.7	761.2	757.8	742.1	715.3	681.3
30°	647.9	654.5	661.9	674.2	698.1	711.8	726.8	738.3	731.9	710.5	678.8
32.5°	579.4	581.1	591.9	605.9	627.9	654.2	678.1	701.2	708.9	697.7	671.2
35°	471.2	473.9	485.7	499.5	526.4	558.6	594.5	626.6	653.0	663.6	650.0
37.5°	384.5	392.2	400.6	415.5	439.1	468.1	505.4	546.9	586.3	612.7	617.2
40°	343.5	348.3	354.2	365.7	385.7	414.3	446.3	493.7	535.7	573.5	585.8
42.5°	311.0	313.9	317.6	327.8	343.1	371.5	400.8	442.5	484.5	529.8	550.5
45°	264.3	267.3	273.5	279.4	291.0	310.6	337.9	372.2	414.5	458.0	496.3
47.5°	230.6	232.4	236.1	242.6	252.4	265.4	287.5	316.2	355.3	397.7	438.4
50°	211.5	213.0	215.9	221.7	229.3	240.8	258.9	285.8	316.4	359.1	399.0
52.5°	196.3	197.0	199.1	203.0	209.0	218.7	233.7	255.8	284.4	322.4	362.2
55°	172.9	173.7	175.6	178.5	183.7	189.9	201.2	217.8	242.7	275.7	310.3
57.5°	153.6	154.2	155.7	156.9	161.2	166.2	175.0	186.8	205.6	233.7	264.5
60°	141.2	140.9	142.8	143.7	146.7	150.9	157.7	169.0	185.4	208.0	236.4
62.5°	129.2	128.7	130.3	131.6	133.2	136.8	142.4	151.2	164.6	185.0	209.5
65°	111.1	110.4	111.4	112.9	114.4	116.3	120.4	128.3	138.9	153.6	172.3
67.5°	93.0	93.8	94.0	94.7	95.6	98.2	101.0	106.6	114.1	125.9	141.7
70°	82.2	82.4	83.2	83.2	83.7	86.1	88.4	91.6	99.0	109.8	122.7
72.5°	71.4	72.2	71.9	72.5	73.0	74.5	76.1	79.3	85.5	93.6	104.5
75°	55.6	56.2	56.2	56.3	56.9	57.5	58.9	61.1	65.6	71.6	79.1
77.5°	40.5	40.6	40.8	41.6	41.6	42.5	43.5	45.3	47.5	51.6	56.3
80°	31.2	31.6	31.5	31.9	31.9	32.6	33.0	35.3	36.3	39.0	42.6
82.5°	22.9	23.3	23.2	23.8	24.1	24.3	24.8	25.8	26.7	29.1	30.6
85°	11.6	12.0	11.6	12.0	12.6	12.7	13.3	13.5	14.3	14.8	16.2
87.5°	7.3	7.8	8.0	8.0	8.1	8.2	8.2	7.9	8.3	8.6	8.9
90°	19.9	19.9	20.9	19.9	18.9	18.9	18.0	17.0	16.1	17.0	15.2
92.5°	73.0	73.0	76.1	81.3	92.5	111.5	140.0	186.1	250.3	300.5	263.0
95°	231.1	243.4	260.6	289.9	336.3	428.2	555.1	702.0	793.9	772.1	582.6
97.5°	617.9	637.6	666.0	723.0	791.1	890.0	982.6	1037.2	997.4	813.3	545.3
100°	868.8	876.4	904.7	962.5	1045.0	1115.1	1161.5	1142.6	1004.2	761.7	494.6
102.5°	1087.0	1093.1	1123.0	1164.9	1215.4	1244.6	1231.2	1137.3	947.4	697.2	460.4
105°	1332.9	1338.6	1351.9	1359.5	1357.6	1318.7	1225.0	1061.0	844.1	621.5	431.0
107.5°	1424.3	1421.8	1412.3	1390.7	1343.9	1259.5	1127.4	952.8	760.8	579.0	425.7
110°	1425.8	1417.3	1400.2	1360.4	1293.1	1189.0	1051.6	887.7	719.1	564.7	427.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1381.1	1367.3	1343.4	1295.3	1218.9	1114.7	984.9	839.9	695.5	557.8	431.8
115°	1279.9	1272.4	1242.0	1185.2	1110.4	1019.4	908.6	792.0	673.6	554.2	440.5
117.5°	1177.4	1171.5	1140.8	1093.1	1029.2	952.1	865.0	768.5	663.7	553.3	449.8
120°	1119.8	1109.4	1084.8	1043.1	989.0	921.8	846.0	757.9	658.4	553.3	456.6
122.5°	1074.3	1063.9	1043.1	1007.5	961.8	902.9	833.9	748.8	652.4	552.5	463.5
125°	1021.2	1015.6	997.6	970.1	932.2	880.1	814.7	733.3	642.3	551.4	473.7
127.5°	990.2	984.6	969.4	944.9	906.9	857.4	792.2	714.3	628.8	549.3	481.8
130°	972.0	966.3	951.1	927.5	888.7	838.5	774.0	699.2	620.5	548.5	487.9
132.5°	951.5	945.8	931.5	904.7	866.7	816.4	753.6	683.2	612.9	547.8	493.2
135°	913.3	907.6	892.4	865.9	828.0	780.6	722.8	661.3	601.6	546.7	501.2
137.5°	865.9	859.1	846.6	820.4	785.0	742.2	693.5	641.4	591.7	546.4	505.9
140°	831.8	824.2	811.0	790.1	756.9	717.1	674.5	630.0	586.4	545.7	509.7
142.5°	795.4	790.1	778.4	759.0	729.7	695.2	658.6	619.4	581.9	545.7	512.7
145°	745.6	740.9	731.4	715.3	691.6	665.0	636.7	604.5	574.1	543.8	514.5
147.5°	701.4	699.8	692.5	678.7	661.3	640.4	617.7	592.2	567.1	540.4	515.4
150°	676.5	675.5	669.8	657.5	642.3	625.3	606.3	584.6	561.8	538.1	515.4
152.5°	653.7	652.7	649.3	639.3	626.4	612.4	594.9	576.2	555.7	534.3	513.9
155°	624.4	624.4	621.5	613.9	604.5	593.0	578.9	563.7	546.7	528.6	511.6
157.5°	598.6	598.6	596.9	591.2	584.0	574.9	563.0	550.2	537.4	522.8	509.2
160°	582.6	582.6	581.7	576.0	570.3	562.7	552.3	541.9	530.5	518.2	506.9
162.5°	567.4	568.3	567.3	561.6	557.4	550.7	542.5	533.5	524.5	513.6	504.6
165°	544.8	545.7	546.7	542.8	539.1	534.3	527.7	522.0	514.5	506.9	500.2
167.5°	526.8	527.5	527.7	525.2	523.3	520.5	515.2	510.9	505.3	500.0	495.7
170°	515.4	515.4	516.3	515.4	513.5	510.6	506.9	504.0	499.3	495.5	492.6
172.5°	504.0	505.5	506.5	505.5	504.3	502.3	500.0	497.9	494.0	490.9	489.6
175°	490.7	492.6	494.6	492.6	492.6	492.6	490.7	489.8	487.9	486.0	486.0
177.5°	483.0	484.5	486.0	485.3	486.0	485.3	485.3	484.5	483.7	483.0	483.0
180°	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8
2.5°	480.8	478.6	477.0	475.8	472.5	470.4	468.9	466.8	464.2	461.6	458.4
5°	508.0	501.5	496.7	489.3	482.4	476.6	470.6	465.2	458.7	451.5	446.3
7.5°	536.7	526.9	514.5	503.6	491.4	480.8	471.3	461.6	451.5	441.6	432.7
10°	555.0	542.4	528.5	512.1	496.7	483.0	470.3	457.9	445.9	434.0	423.7
12.5°	574.5	558.9	538.3	519.2	501.9	483.6	468.2	453.1	438.6	426.1	414.2
15°	600.9	578.3	554.6	528.9	506.1	484.7	463.7	444.6	428.4	411.7	400.1
17.5°	617.0	589.1	562.0	535.2	507.6	480.5	457.9	435.9	415.6	399.1	384.5
20°	627.7	599.9	566.1	539.3	506.5	478.7	452.5	428.0	406.8	389.2	374.1
22.5°	636.9	604.9	571.0	535.7	503.1	473.6	444.9	420.3	398.6	380.1	365.7
25°	642.0	605.1	568.4	533.3	496.3	461.4	435.3	406.3	383.2	363.7	348.3
27.5°	642.5	603.1	561.6	522.6	484.4	451.8	419.0	393.1	369.1	348.5	333.6
30°	640.8	599.7	555.1	512.9	474.5	439.2	410.6	382.5	357.9	337.5	322.0
32.5°	635.4	592.6	546.8	502.1	462.3	427.7	398.3	371.5	347.6	327.4	311.2
35°	619.8	577.5	528.7	482.2	441.5	406.6	379.9	352.7	328.8	309.7	294.1
37.5°	595.3	557.2	507.5	459.4	419.4	384.3	357.9	333.4	311.8	292.4	276.4
40°	574.1	540.5	490.6	443.8	400.6	367.2	342.5	319.9	298.5	280.1	264.9
42.5°	549.5	520.2	474.3	424.7	382.9	349.4	325.4	305.1	284.9	268.0	252.7
45°	505.7	486.4	443.2	397.3	353.8	322.2	299.3	281.5	264.6	247.9	235.2
47.5°	455.4	445.8	409.4	365.8	324.7	293.4	273.5	257.1	242.2	228.2	217.0
50°	421.6	416.9	385.6	343.5	304.1	274.8	254.7	240.6	227.9	215.6	204.9
52.5°	388.2	388.1	359.7	321.2	284.8	256.6	236.6	223.5	212.5	202.4	192.9
55°	337.3	342.7	320.5	286.2	253.6	228.0	210.1	198.4	190.6	182.4	175.2
57.5°	290.5	299.5	281.1	250.9	223.6	200.2	184.6	175.8	167.5	162.5	157.3
60°	259.9	268.4	254.1	228.7	203.0	183.0	168.0	160.1	153.0	149.5	145.9
62.5°	232.8	240.3	229.8	206.1	183.8	164.5	152.0	144.4	139.6	135.8	133.4
65°	194.0	200.3	191.2	174.1	154.9	139.5	129.3	123.3	118.7	117.2	114.4
67.5°	156.8	162.6	157.7	143.1	127.8	116.0	108.0	102.3	99.5	98.2	96.3
70°	134.7	140.5	135.3	122.5	110.7	100.9	93.4	90.1	87.2	86.7	84.0
72.5°	116.0	119.9	114.7	104.8	94.7	86.4	80.6	77.1	75.7	74.6	73.1
75°	87.0	90.5	87.0	79.3	72.2	66.4	61.4	60.0	58.3	57.7	56.7
77.5°	61.6	64.6	62.0	57.2	51.8	47.3	44.6	42.9	42.5	41.5	42.0
80°	47.0	49.0	46.5	43.2	39.0	35.9	34.0	33.0	31.9	31.5	32.2
82.5°	33.8	34.7	33.3	31.1	28.0	26.0	24.7	23.6	23.3	23.4	23.4
85°	17.5	17.4	17.2	15.2	14.3	13.0	12.1	12.0	11.7	12.1	12.6
87.5°	8.5	8.6	7.4	6.8	6.1	5.5	4.7	4.2	4.7	5.5	5.8
90°	13.3	13.3	7.6	7.6	6.6	5.7	2.9	1.0	2.9	5.7	6.6
92.5°	191.4	117.9	69.7	50.1	36.2	24.6	15.7	10.8	15.7	24.6	36.2
95°	356.2	200.8	118.5	78.6	55.9	43.6	34.1	31.2	34.1	43.6	55.9
97.5°	320.2	191.9	128.5	95.1	75.6	64.2	56.1	56.1	56.1	64.2	75.6
100°	301.3	194.2	138.4	108.0	90.0	78.6	72.0	72.0	72.0	78.6	90.0
102.5°	296.0	201.8	151.2	122.4	105.2	94.6	88.7	87.2	88.7	94.6	105.2
105°	298.4	219.8	174.3	146.8	129.8	118.5	113.7	110.9	113.7	118.5	129.8
107.5°	312.4	240.8	199.2	172.0	155.7	143.7	138.8	137.0	138.8	143.7	155.7
110°	323.0	256.7	215.1	189.5	172.4	161.0	156.3	154.4	156.3	161.0	172.4





TEST NUMBER: P332528-930

CATALOG NUMBER: SA4XXDIP-C350D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	334.4	271.9	231.7	206.2	189.1	178.5	173.0	171.1	173.0	178.5	189.1
115°	352.5	295.5	257.7	232.1	214.1	204.6	198.0	195.2	198.0	204.6	214.1
117.5°	370.8	318.5	282.5	256.0	239.1	228.7	222.8	220.1	222.8	228.7	239.1
120°	383.7	334.4	298.4	271.9	255.8	245.4	238.7	236.8	238.7	245.4	255.8
122.5°	395.8	349.6	313.6	287.8	270.2	260.6	253.9	252.0	253.9	260.6	270.2
125°	414.0	370.4	336.3	309.8	291.8	281.4	275.7	271.9	275.7	281.4	291.8
127.5°	429.7	389.7	356.8	330.0	311.3	299.4	292.5	289.5	292.5	299.4	311.3
130°	439.6	402.7	370.4	342.9	325.0	310.7	303.1	299.4	303.1	310.7	325.0
132.5°	449.5	413.3	381.1	355.1	335.6	322.1	312.3	309.2	312.3	322.1	335.6
135°	462.4	428.2	397.0	372.3	352.5	336.3	326.9	323.0	326.9	336.3	352.5
137.5°	471.4	439.6	410.4	386.9	366.2	350.9	340.5	336.9	340.5	350.9	366.2
140°	477.4	447.2	418.7	396.0	376.1	360.0	349.6	346.7	349.6	360.0	376.1
142.5°	482.0	454.0	426.3	404.3	385.2	369.8	360.2	357.3	360.2	369.8	385.2
145°	487.0	461.4	436.8	415.9	397.9	384.7	375.2	372.3	375.2	384.7	397.9
147.5°	491.3	469.0	445.8	427.1	412.1	398.4	390.1	389.1	390.1	398.4	412.1
150°	493.6	472.7	451.9	433.9	419.7	408.3	400.7	399.8	400.7	408.3	419.7
152.5°	495.1	475.8	457.2	440.8	428.0	417.4	409.9	409.6	409.9	417.4	428.0
155°	496.4	480.3	464.2	450.0	439.6	430.1	424.4	423.5	424.4	430.1	439.6
157.5°	496.4	483.6	469.9	458.7	449.6	442.2	436.9	436.9	436.9	442.2	449.6
160°	496.4	485.0	473.7	463.3	455.7	449.1	445.2	445.2	445.2	449.1	455.7
162.5°	496.4	486.6	476.0	467.8	461.0	455.1	452.1	452.8	452.1	455.1	461.0
165°	494.6	487.0	478.4	472.7	468.0	463.3	461.4	461.4	461.4	463.3	468.0
167.5°	492.3	486.7	480.5	476.1	473.5	469.9	469.0	469.9	469.0	469.9	473.5
170°	490.7	486.0	481.3	478.4	476.5	473.7	472.7	473.7	472.7	473.7	476.5
172.5°	489.3	485.3	482.0	480.0	478.8	476.7	476.5	477.4	476.5	476.7	478.8
175°	487.0	484.1	482.2	482.2	481.3	480.3	480.3	481.3	480.3	480.3	481.3
177.5°	484.5	483.0	482.2	482.2	482.2	481.4	482.2	483.0	482.2	481.4	482.2
180°	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2



TEST NUMBER: P332528-930

CATALOG NUMBER: SA4XXDIP-C350D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8
2.5°	456.8	455.4	453.5	450.7	448.3	445.9	445.2	444.3	446.2	444.7	444.2
5°	441.9	437.8	432.6	426.6	423.1	418.2	417.2	415.2	413.3	413.1	411.2
7.5°	426.0	420.0	413.2	407.2	401.5	396.0	392.4	391.7	388.8	387.1	385.2
10°	415.8	408.5	400.6	394.8	388.2	382.5	378.4	376.1	374.1	372.0	370.1
12.5°	403.8	396.0	389.5	383.2	375.4	371.0	364.4	360.4	360.0	360.0	355.0
15°	389.8	382.0	372.0	363.1	358.9	350.4	346.7	342.1	339.2	336.3	334.0
17.5°	373.7	364.1	356.3	346.1	338.0	331.3	326.4	323.7	319.3	315.2	312.3
20°	363.7	353.5	345.2	334.4	325.5	317.2	313.2	309.3	306.1	302.6	299.3
22.5°	353.5	342.8	332.7	322.2	314.0	305.2	301.3	296.0	292.9	291.0	287.7
25°	337.5	325.9	314.3	304.3	295.8	288.0	282.9	278.8	275.3	273.8	271.7
27.5°	320.0	308.5	297.3	285.9	276.3	270.7	266.5	263.5	261.5	259.4	258.4
30°	308.9	296.9	285.0	274.3	265.5	259.9	256.1	254.0	252.4	251.4	250.5
32.5°	297.7	285.8	273.3	263.6	255.6	250.6	247.7	245.6	244.8	244.5	244.1
35°	279.6	267.7	256.1	247.4	239.9	237.9	235.4	234.2	233.8	235.2	235.8
37.5°	262.1	251.0	240.4	232.0	227.0	224.2	223.3	223.4	224.8	225.9	227.3
40°	250.9	240.0	230.0	222.7	218.0	216.3	215.9	216.9	218.4	219.8	221.4
42.5°	239.9	229.3	220.1	213.3	210.0	208.4	208.6	209.6	211.8	213.4	215.7
45°	222.9	214.0	205.1	199.5	196.8	197.2	197.2	198.9	201.1	203.6	206.1
47.5°	206.8	197.9	190.6	185.9	184.5	184.2	185.2	187.5	190.5	193.6	197.1
50°	196.1	187.5	181.2	176.9	175.4	175.9	177.5	179.6	183.3	187.2	190.9
52.5°	185.1	177.3	171.5	167.5	166.4	167.5	169.0	172.4	175.6	179.8	184.2
55°	168.0	161.5	156.9	154.0	153.6	154.2	155.9	159.6	164.2	169.4	173.7
57.5°	151.2	145.6	141.4	139.4	139.6	140.1	143.0	147.3	152.3	157.8	163.3
60°	139.7	134.7	131.2	129.6	129.9	131.0	134.5	138.5	144.7	150.1	155.9
62.5°	128.9	124.5	121.2	119.8	119.5	122.1	125.4	129.6	135.7	141.8	148.1
65°	111.5	108.0	105.3	104.6	105.2	107.1	111.4	116.9	122.1	128.5	135.1
67.5°	94.6	91.7	89.8	90.2	90.9	93.8	97.3	102.1	108.0	114.6	121.1
70°	83.7	81.0	79.5	79.7	80.9	84.3	87.4	92.2	98.6	105.3	110.7
72.5°	72.6	70.8	69.5	70.3	71.4	73.8	77.7	82.5	88.1	94.4	100.1
75°	55.8	55.8	55.0	55.6	57.3	59.6	62.5	67.5	73.1	78.2	82.8
77.5°	41.3	40.9	41.4	42.2	43.1	45.9	49.2	52.8	57.0	62.0	65.9
80°	31.6	31.9	32.8	34.0	34.3	36.4	39.9	43.2	46.5	50.7	54.4
82.5°	23.8	24.0	24.5	25.9	26.3	28.6	30.8	34.1	37.1	39.9	43.0
85°	13.0	13.0	13.9	14.5	15.4	17.0	18.3	20.3	23.0	24.9	27.8
87.5°	6.4	6.4	8.2	8.5	9.4	10.5	10.6	12.6	13.3	14.3	15.7
90°	7.6	7.6	13.3	13.3	15.2	17.0	16.1	17.0	18.0	18.9	18.9
92.5°	50.1	69.7	117.9	191.4	263.0	300.5	250.3	186.1	140.0	111.5	92.5
95°	78.6	118.5	200.8	356.2	582.6	772.1	793.9	702.0	555.1	428.2	336.3
97.5°	95.1	128.5	191.9	320.2	545.3	813.3	997.4	1037.2	982.6	890.0	791.1
100°	108.0	138.4	194.2	301.3	494.6	761.7	1004.2	1142.6	1161.5	1115.1	1045.0
102.5°	122.4	151.2	201.8	296.0	460.4	697.2	947.4	1137.3	1231.2	1244.6	1215.4
105°	146.8	174.3	219.8	298.4	431.0	621.5	844.1	1061.0	1225.0	1318.7	1357.6
107.5°	172.0	199.2	240.8	312.4	425.7	579.0	760.8	952.8	1127.4	1259.5	1343.9
110°	189.5	215.1	256.7	323.0	427.3	564.7	719.1	887.7	1051.6	1189.0	1293.1



TEST NUMBER: P332528-930

CATALOG NUMBER: SA4XXDIP-C350D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	206.2	231.7	271.9	334.4	431.8	557.8	695.5	839.9	984.9	1114.7	1218.9
115°	232.1	257.7	295.5	352.5	440.5	554.2	673.6	792.0	908.6	1019.4	1110.4
117.5°	256.0	282.5	318.5	370.8	449.8	553.3	663.7	768.5	865.0	952.1	1029.2
120°	271.9	298.4	334.4	383.7	456.6	553.3	658.4	757.9	846.0	921.8	989.0
122.5°	287.8	313.6	349.6	395.8	463.5	552.5	652.4	748.8	833.9	902.9	961.8
125°	309.8	336.3	370.4	414.0	473.7	551.4	642.3	733.3	814.7	880.1	932.2
127.5°	330.0	356.8	389.7	429.7	481.8	549.3	628.8	714.3	792.2	857.4	906.9
130°	342.9	370.4	402.7	439.6	487.9	548.5	620.5	699.2	774.0	838.5	888.7
132.5°	355.1	381.1	413.3	449.5	493.2	547.8	612.9	683.2	753.6	816.4	866.7
135°	372.3	397.0	428.2	462.4	501.2	546.7	601.6	661.3	722.8	780.6	828.0
137.5°	386.9	410.4	439.6	471.4	505.9	546.4	591.7	641.4	693.5	742.2	785.0
140°	396.0	418.7	447.2	477.4	509.7	545.7	586.4	630.0	674.5	717.1	756.9
142.5°	404.3	426.3	454.0	482.0	512.7	545.7	581.9	619.4	658.6	695.2	729.7
145°	415.9	436.8	461.4	487.0	514.5	543.8	574.1	604.5	636.7	665.0	691.6
147.5°	427.1	445.8	469.0	491.3	515.4	540.4	567.1	592.2	617.7	640.4	661.3
150°	433.9	451.9	472.7	493.6	515.4	538.1	561.8	584.6	606.3	625.3	642.3
152.5°	440.8	457.2	475.8	495.1	513.9	534.3	555.7	576.2	594.9	612.4	626.4
155°	450.0	464.2	480.3	496.4	511.6	528.6	546.7	563.7	578.9	593.0	604.5
157.5°	458.7	469.9	483.6	496.4	509.2	522.8	537.4	550.2	563.0	574.9	584.0
160°	463.3	473.7	485.0	496.4	506.9	518.2	530.5	541.9	552.3	562.7	570.3
162.5°	467.8	476.0	486.6	496.4	504.6	513.6	524.5	533.5	542.5	550.7	557.4
165°	472.7	478.4	487.0	494.6	500.2	506.9	514.5	522.0	527.7	534.3	539.1
167.5°	476.1	480.5	486.7	492.3	495.7	500.0	505.3	510.9	515.2	520.5	523.3
170°	478.4	481.3	486.0	490.7	492.6	495.5	499.3	504.0	506.9	510.6	513.5
172.5°	480.0	482.0	485.3	489.3	489.6	490.9	494.0	497.9	500.0	502.3	504.3
175°	482.2	482.2	484.1	487.0	486.0	486.0	487.9	489.8	490.7	492.6	492.6
177.5°	482.2	482.2	483.0	484.5	483.0	483.0	483.7	484.5	485.3	485.3	486.0
180°	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2



TEST NUMBER: P332528-930

CATALOG NUMBER: SA4XXDIP-C350D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8
2.5°	443.8	443.6	442.5	442.3	442.5	443.6	443.8	444.2	444.7	446.2	444.3
5°	410.0	409.0	408.5	410.6	408.5	409.0	410.0	411.2	413.1	413.3	415.2
7.5°	384.5	383.8	382.0	381.5	382.0	383.8	384.5	385.2	387.1	388.8	391.7
10°	368.2	367.4	365.8	365.4	365.8	367.4	368.2	370.1	372.0	374.1	376.1
12.5°	352.4	350.9	350.6	351.0	350.6	350.9	352.4	355.0	360.0	360.0	360.4
15°	331.5	330.7	328.6	329.2	328.6	330.7	331.5	334.0	336.3	339.2	342.1
17.5°	310.9	310.0	307.4	309.7	307.4	310.0	310.9	312.3	315.2	319.3	323.7
20°	297.9	296.4	295.1	294.8	295.1	296.4	297.9	299.3	302.6	306.1	309.3
22.5°	285.6	284.2	284.1	282.8	284.1	284.2	285.6	287.7	291.0	292.9	296.0
25°	270.1	268.8	268.4	267.4	268.4	268.8	270.1	271.7	273.8	275.3	278.8
27.5°	258.3	257.6	256.9	257.2	256.9	257.6	258.3	258.4	259.4	261.5	263.5
30°	251.0	250.9	250.5	250.5	250.5	250.9	251.0	250.5	251.4	252.4	254.0
32.5°	245.0	245.0	245.2	245.2	245.2	245.0	245.0	244.1	244.5	244.8	245.6
35°	236.6	237.2	237.5	236.9	237.5	237.2	236.6	235.8	235.2	233.8	234.2
37.5°	228.9	229.5	230.1	230.7	230.1	229.5	228.9	227.3	225.9	224.8	223.4
40°	223.1	224.4	224.8	225.8	224.8	224.4	223.1	221.4	219.8	218.4	216.9
42.5°	217.5	219.0	220.0	220.2	220.0	219.0	217.5	215.7	213.4	211.8	209.6
45°	209.0	210.5	211.9	211.9	211.9	210.5	209.0	206.1	203.6	201.1	198.9
47.5°	200.2	202.4	203.7	204.1	203.7	202.4	200.2	197.1	193.6	190.5	187.5
50°	194.1	196.8	198.2	199.1	198.2	196.8	194.1	190.9	187.2	183.3	179.6
52.5°	188.3	190.9	192.7	193.2	192.7	190.9	188.3	184.2	179.8	175.6	172.4
55°	178.1	182.0	184.1	184.8	184.1	182.0	178.1	173.7	169.4	164.2	159.6
57.5°	168.5	172.1	174.6	175.1	174.6	172.1	168.5	163.3	157.8	152.3	147.3
60°	161.1	165.0	168.0	168.6	168.0	165.0	161.1	155.9	150.1	144.7	138.5
62.5°	153.5	157.6	160.4	161.8	160.4	157.6	153.5	148.1	141.8	135.7	129.6
65°	140.5	144.6	147.2	147.8	147.2	144.6	140.5	135.1	128.5	122.1	116.9
67.5°	126.2	130.3	132.0	133.1	132.0	130.3	126.2	121.1	114.6	108.0	102.1
70°	116.2	119.4	121.4	122.3	121.4	119.4	116.2	110.7	105.3	98.6	92.2
72.5°	104.8	108.2	110.4	110.6	110.4	108.2	104.8	100.1	94.4	88.1	82.5
75°	87.2	90.3	91.5	91.5	91.5	90.3	87.2	82.8	78.2	73.1	67.5
77.5°	69.1	70.6	72.1	72.4	72.1	70.6	69.1	65.9	62.0	57.0	52.8
80°	57.3	58.3	59.4	59.4	59.4	58.3	57.3	54.4	50.7	46.5	43.2
82.5°	45.2	46.1	47.2	47.0	47.2	46.1	45.2	43.0	39.9	37.1	34.1
85°	27.4	29.1	28.9	28.5	28.9	29.1	27.4	27.8	24.9	23.0	20.3
87.5°	16.3	16.6	17.0	17.3	17.0	16.6	16.3	15.7	14.3	13.3	12.6
90°	19.9	20.9	19.9	19.9	19.9	20.9	19.9	18.9	18.9	18.0	17.0
92.5°	81.3	76.1	73.0	73.0	73.0	76.1	81.3	92.5	111.5	140.0	186.1
95°	289.9	260.6	243.4	231.1	243.4	260.6	289.9	336.3	428.2	555.1	702.0
97.5°	723.0	666.0	637.6	617.9	637.6	666.0	723.0	791.1	890.0	982.6	1037.2
100°	962.5	904.7	876.4	868.8	876.4	904.7	962.5	1045.0	1115.1	1161.5	1142.6
102.5°	1164.9	1123.0	1093.1	1087.0	1093.1	1123.0	1164.9	1215.4	1244.6	1231.2	1137.3
105°	1359.5	1351.9	1338.6	1332.9	1338.6	1351.9	1359.5	1357.6	1318.7	1225.0	1061.0
107.5°	1390.7	1412.3	1421.8	1424.3	1421.8	1412.3	1390.7	1343.9	1259.5	1127.4	952.8
110°	1360.4	1400.2	1417.3	1425.8	1417.3	1400.2	1360.4	1293.1	1189.0	1051.6	887.7



TEST NUMBER: P332528-930

CATALOG NUMBER: SA4XXDIP-C350D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1295.3	1343.4	1367.3	1381.1	1367.3	1343.4	1295.3	1218.9	1114.7	984.9	839.9
115°	1185.2	1242.0	1272.4	1279.9	1272.4	1242.0	1185.2	1110.4	1019.4	908.6	792.0
117.5°	1093.1	1140.8	1171.5	1177.4	1171.5	1140.8	1093.1	1029.2	952.1	865.0	768.5
120°	1043.1	1084.8	1109.4	1119.8	1109.4	1084.8	1043.1	989.0	921.8	846.0	757.9
122.5°	1007.5	1043.1	1063.9	1074.3	1063.9	1043.1	1007.5	961.8	902.9	833.9	748.8
125°	970.1	997.6	1015.6	1021.2	1015.6	997.6	970.1	932.2	880.1	814.7	733.3
127.5°	944.9	969.4	984.6	990.2	984.6	969.4	944.9	906.9	857.4	792.2	714.3
130°	927.5	951.1	966.3	972.0	966.3	951.1	927.5	888.7	838.5	774.0	699.2
132.5°	904.7	931.5	945.8	951.5	945.8	931.5	904.7	866.7	816.4	753.6	683.2
135°	865.9	892.4	907.6	913.3	907.6	892.4	865.9	828.0	780.6	722.8	661.3
137.5°	820.4	846.6	859.1	865.9	859.1	846.6	820.4	785.0	742.2	693.5	641.4
140°	790.1	811.0	824.2	831.8	824.2	811.0	790.1	756.9	717.1	674.5	630.0
142.5°	759.0	778.4	790.1	795.4	790.1	778.4	759.0	729.7	695.2	658.6	619.4
145°	715.3	731.4	740.9	745.6	740.9	731.4	715.3	691.6	665.0	636.7	604.5
147.5°	678.7	692.5	699.8	701.4	699.8	692.5	678.7	661.3	640.4	617.7	592.2
150°	657.5	669.8	675.5	676.5	675.5	669.8	657.5	642.3	625.3	606.3	584.6
152.5°	639.3	649.3	652.7	653.7	652.7	649.3	639.3	626.4	612.4	594.9	576.2
155°	613.9	621.5	624.4	624.4	624.4	621.5	613.9	604.5	593.0	578.9	563.7
157.5°	591.2	596.9	598.6	598.6	598.6	596.9	591.2	584.0	574.9	563.0	550.2
160°	576.0	581.7	582.6	582.6	582.6	581.7	576.0	570.3	562.7	552.3	541.9
162.5°	561.6	567.3	568.3	567.4	568.3	567.3	561.6	557.4	550.7	542.5	533.5
165°	542.8	546.7	545.7	544.8	545.7	546.7	542.8	539.1	534.3	527.7	522.0
167.5°	525.2	527.7	527.5	526.8	527.5	527.7	525.2	523.3	520.5	515.2	510.9
170°	515.4	516.3	515.4	515.4	515.4	516.3	515.4	513.5	510.6	506.9	504.0
172.5°	505.5	506.5	505.5	504.0	505.5	506.5	505.5	504.3	502.3	500.0	497.9
175°	492.6	494.6	492.6	490.7	492.6	494.6	492.6	492.6	492.6	490.7	489.8
177.5°	485.3	486.0	484.5	483.0	484.5	486.0	485.3	486.0	485.3	485.3	484.5
180°	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2



TEST NUMBER: P332528-930

CATALOG NUMBER: SA4XXDIP-C350D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8
2.5°	445.2	445.9	448.3	450.7	453.5	455.4	456.8	458.4	461.6	464.2	466.8
5°	417.2	418.2	423.1	426.6	432.6	437.8	441.9	446.3	451.5	458.7	465.2
7.5°	392.4	396.0	401.5	407.2	413.2	420.0	426.0	432.7	441.6	451.5	461.6
10°	378.4	382.5	388.2	394.8	400.6	408.5	415.8	423.7	434.0	445.9	457.9
12.5°	364.4	371.0	375.4	383.2	389.5	396.0	403.8	414.2	426.1	438.6	453.1
15°	346.7	350.4	358.9	363.1	372.0	382.0	389.8	400.1	411.7	428.4	444.6
17.5°	326.4	331.3	338.0	346.1	356.3	364.1	373.7	384.5	399.1	415.6	435.9
20°	313.2	317.2	325.5	334.4	345.2	353.5	363.7	374.1	389.2	406.8	428.0
22.5°	301.3	305.2	314.0	322.2	332.7	342.8	353.5	365.7	380.1	398.6	420.3
25°	282.9	288.0	295.8	304.3	314.3	325.9	337.5	348.3	363.7	383.2	406.3
27.5°	266.5	270.7	276.3	285.9	297.3	308.5	320.0	333.6	348.5	369.1	393.1
30°	256.1	259.9	265.5	274.3	285.0	296.9	308.9	322.0	337.5	357.9	382.5
32.5°	247.7	250.6	255.6	263.6	273.3	285.8	297.7	311.2	327.4	347.6	371.5
35°	235.4	237.9	239.9	247.4	256.1	267.7	279.6	294.1	309.7	328.8	352.7
37.5°	223.3	224.2	227.0	232.0	240.4	251.0	262.1	276.4	292.4	311.8	333.4
40°	215.9	216.3	218.0	222.7	230.0	240.0	250.9	264.9	280.1	298.5	319.9
42.5°	208.6	208.4	210.0	213.3	220.1	229.3	239.9	252.7	268.0	284.9	305.1
45°	197.2	197.2	196.8	199.5	205.1	214.0	222.9	235.2	247.9	264.6	281.5
47.5°	185.2	184.2	184.5	185.9	190.6	197.9	206.8	217.0	228.2	242.2	257.1
50°	177.5	175.9	175.4	176.9	181.2	187.5	196.1	204.9	215.6	227.9	240.6
52.5°	169.0	167.5	166.4	167.5	171.5	177.3	185.1	192.9	202.4	212.5	223.5
55°	155.9	154.2	153.6	154.0	156.9	161.5	168.0	175.2	182.4	190.6	198.4
57.5°	143.0	140.1	139.6	139.4	141.4	145.6	151.2	157.3	162.5	167.5	175.8
60°	134.5	131.0	129.9	129.6	131.2	134.7	139.7	145.9	149.5	153.0	160.1
62.5°	125.4	122.1	119.5	119.8	121.2	124.5	128.9	133.4	135.8	139.6	144.4
65°	111.4	107.1	105.2	104.6	105.3	108.0	111.5	114.4	117.2	118.7	123.3
67.5°	97.3	93.8	90.9	90.2	89.8	91.7	94.6	96.3	98.2	99.5	102.3
70°	87.4	84.3	80.9	79.7	79.5	81.0	83.7	84.0	86.7	87.2	90.1
72.5°	77.7	73.8	71.4	70.3	69.5	70.8	72.6	73.1	74.6	75.7	77.1
75°	62.5	59.6	57.3	55.6	55.0	55.8	55.8	56.7	57.7	58.3	60.0
77.5°	49.2	45.9	43.1	42.2	41.4	40.9	41.3	42.0	41.5	42.5	42.9
80°	39.9	36.4	34.3	34.0	32.8	31.9	31.6	32.2	31.5	31.9	33.0
82.5°	30.8	28.6	26.3	25.9	24.5	24.0	23.8	23.4	23.4	23.3	23.6
85°	18.3	17.0	15.4	14.5	13.9	13.0	13.0	12.6	12.1	11.7	12.0
87.5°	10.6	10.5	9.4	8.5	8.2	6.4	6.4	5.8	5.5	4.7	4.2
90°	16.1	17.0	15.2	13.3	13.3	7.6	7.6	6.6	5.7	2.9	1.0
92.5°	250.3	300.5	263.0	191.4	117.9	69.7	50.1	36.2	24.6	15.7	10.8
95°	793.9	772.1	582.6	356.2	200.8	118.5	78.6	55.9	43.6	34.1	31.2
97.5°	997.4	813.3	545.3	320.2	191.9	128.5	95.1	75.6	64.2	56.1	56.1
100°	1004.2	761.7	494.6	301.3	194.2	138.4	108.0	90.0	78.6	72.0	72.0
102.5°	947.4	697.2	460.4	296.0	201.8	151.2	122.4	105.2	94.6	88.7	87.2
105°	844.1	621.5	431.0	298.4	219.8	174.3	146.8	129.8	118.5	113.7	110.9
107.5°	760.8	579.0	425.7	312.4	240.8	199.2	172.0	155.7	143.7	138.8	137.0
110°	719.1	564.7	427.3	323.0	256.7	215.1	189.5	172.4	161.0	156.3	154.4



TEST NUMBER: P332528-930

CATALOG NUMBER: SA4XXDIP-C350D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	695.5	557.8	431.8	334.4	271.9	231.7	206.2	189.1	178.5	173.0	171.1
115°	673.6	554.2	440.5	352.5	295.5	257.7	232.1	214.1	204.6	198.0	195.2
117.5°	663.7	553.3	449.8	370.8	318.5	282.5	256.0	239.1	228.7	222.8	220.1
120°	658.4	553.3	456.6	383.7	334.4	298.4	271.9	255.8	245.4	238.7	236.8
122.5°	652.4	552.5	463.5	395.8	349.6	313.6	287.8	270.2	260.6	253.9	252.0
125°	642.3	551.4	473.7	414.0	370.4	336.3	309.8	291.8	281.4	275.7	271.9
127.5°	628.8	549.3	481.8	429.7	389.7	356.8	330.0	311.3	299.4	292.5	289.5
130°	620.5	548.5	487.9	439.6	402.7	370.4	342.9	325.0	310.7	303.1	299.4
132.5°	612.9	547.8	493.2	449.5	413.3	381.1	355.1	335.6	322.1	312.3	309.2
135°	601.6	546.7	501.2	462.4	428.2	397.0	372.3	352.5	336.3	326.9	323.0
137.5°	591.7	546.4	505.9	471.4	439.6	410.4	386.9	366.2	350.9	340.5	336.9
140°	586.4	545.7	509.7	477.4	447.2	418.7	396.0	376.1	360.0	349.6	346.7
142.5°	581.9	545.7	512.7	482.0	454.0	426.3	404.3	385.2	369.8	360.2	357.3
145°	574.1	543.8	514.5	487.0	461.4	436.8	415.9	397.9	384.7	375.2	372.3
147.5°	567.1	540.4	515.4	491.3	469.0	445.8	427.1	412.1	398.4	390.1	389.1
150°	561.8	538.1	515.4	493.6	472.7	451.9	433.9	419.7	408.3	400.7	399.8
152.5°	555.7	534.3	513.9	495.1	475.8	457.2	440.8	428.0	417.4	409.9	409.6
155°	546.7	528.6	511.6	496.4	480.3	464.2	450.0	439.6	430.1	424.4	423.5
157.5°	537.4	522.8	509.2	496.4	483.6	469.9	458.7	449.6	442.2	436.9	436.9
160°	530.5	518.2	506.9	496.4	485.0	473.7	463.3	455.7	449.1	445.2	445.2
162.5°	524.5	513.6	504.6	496.4	486.6	476.0	467.8	461.0	455.1	452.1	452.8
165°	514.5	506.9	500.2	494.6	487.0	478.4	472.7	468.0	463.3	461.4	461.4
167.5°	505.3	500.0	495.7	492.3	486.7	480.5	476.1	473.5	469.9	469.0	469.9
170°	499.3	495.5	492.6	490.7	486.0	481.3	478.4	476.5	473.7	472.7	473.7
172.5°	494.0	490.9	489.6	489.3	485.3	482.0	480.0	478.8	476.7	476.5	477.4
175°	487.9	486.0	486.0	487.0	484.1	482.2	482.2	481.3	480.3	480.3	481.3
177.5°	483.7	483.0	483.0	484.5	483.0	482.2	482.2	482.2	481.4	482.2	483.0
180°	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2



TEST NUMBER: P332528-930

CATALOG NUMBER: SA4XXDIP-C350D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8
2.5°	468.9	470.4	472.5	475.8	477.0	478.6	480.8	480.6	481.2	483.6	488.4
5°	470.6	476.6	482.4	489.3	496.7	501.5	508.0	512.1	516.2	521.4	530.3
7.5°	471.3	480.8	491.4	503.6	514.5	526.9	536.7	545.9	554.2	565.2	575.8
10°	470.3	483.0	496.7	512.1	528.5	542.4	555.0	569.2	581.4	594.7	606.7
12.5°	468.2	483.6	501.9	519.2	538.3	558.9	574.5	589.0	605.1	620.4	639.0
15°	463.7	484.7	506.1	528.9	554.6	578.3	600.9	619.5	636.9	659.9	684.0
17.5°	457.9	480.5	507.6	535.2	562.0	589.1	617.0	645.1	667.1	695.6	714.4
20°	452.5	478.7	506.5	539.3	566.1	599.9	627.7	654.8	685.0	713.4	736.0
22.5°	444.9	473.6	503.1	535.7	571.0	604.9	636.9	666.4	696.6	727.4	754.7
25°	435.3	461.4	496.3	533.3	568.4	605.1	642.0	679.0	711.4	744.0	769.5
27.5°	419.0	451.8	484.4	522.6	561.6	603.1	642.5	681.3	715.3	742.1	757.8
30°	410.6	439.2	474.5	512.9	555.1	599.7	640.8	678.8	710.5	731.9	738.3
32.5°	398.3	427.7	462.3	502.1	546.8	592.6	635.4	671.2	697.7	708.9	701.2
35°	379.9	406.6	441.5	482.2	528.7	577.5	619.8	650.0	663.6	653.0	626.6
37.5°	357.9	384.3	419.4	459.4	507.5	557.2	595.3	617.2	612.7	586.3	546.9
40°	342.5	367.2	400.6	443.8	490.6	540.5	574.1	585.8	573.5	535.7	493.7
42.5°	325.4	349.4	382.9	424.7	474.3	520.2	549.5	550.5	529.8	484.5	442.5
45°	299.3	322.2	353.8	397.3	443.2	486.4	505.7	496.3	458.0	414.5	372.2
47.5°	273.5	293.4	324.7	365.8	409.4	445.8	455.4	438.4	397.7	355.3	316.2
50°	254.7	274.8	304.1	343.5	385.6	416.9	421.6	399.0	359.1	316.4	285.8
52.5°	236.6	256.6	284.8	321.2	359.7	388.1	388.2	362.2	322.4	284.4	255.8
55°	210.1	228.0	253.6	286.2	320.5	342.7	337.3	310.3	275.7	242.7	217.8
57.5°	184.6	200.2	223.6	250.9	281.1	299.5	290.5	264.5	233.7	205.6	186.8
60°	168.0	183.0	203.0	228.7	254.1	268.4	259.9	236.4	208.0	185.4	169.0
62.5°	152.0	164.5	183.8	206.1	229.8	240.3	232.8	209.5	185.0	164.6	151.2
65°	129.3	139.5	154.9	174.1	191.2	200.3	194.0	172.3	153.6	138.9	128.3
67.5°	108.0	116.0	127.8	143.1	157.7	162.6	156.8	141.7	125.9	114.1	106.6
70°	93.4	100.9	110.7	122.5	135.3	140.5	134.7	122.7	109.8	99.0	91.6
72.5°	80.6	86.4	94.7	104.8	114.7	119.9	116.0	104.5	93.6	85.5	79.3
75°	61.4	66.4	72.2	79.3	87.0	90.5	87.0	79.1	71.6	65.6	61.1
77.5°	44.6	47.3	51.8	57.2	62.0	64.6	61.6	56.3	51.6	47.5	45.3
80°	34.0	35.9	39.0	43.2	46.5	49.0	47.0	42.6	39.0	36.3	35.3
82.5°	24.7	26.0	28.0	31.1	33.3	34.7	33.8	30.6	29.1	26.7	25.8
85°	12.1	13.0	14.3	15.2	17.2	17.4	17.5	16.2	14.8	14.3	13.5
87.5°	4.7	5.5	6.1	6.8	7.4	8.6	8.5	8.9	8.6	8.3	7.9
90°	2.9	5.7	6.6	7.6	7.6	13.3	13.3	15.2	17.0	16.1	17.0
92.5°	15.7	24.6	36.2	50.1	69.7	117.9	191.4	263.0	300.5	250.3	186.1
95°	34.1	43.6	55.9	78.6	118.5	200.8	356.2	582.6	772.1	793.9	702.0
97.5°	56.1	64.2	75.6	95.1	128.5	191.9	320.2	545.3	813.3	997.4	1037.2
100°	72.0	78.6	90.0	108.0	138.4	194.2	301.3	494.6	761.7	1004.2	1142.6
102.5°	88.7	94.6	105.2	122.4	151.2	201.8	296.0	460.4	697.2	947.4	1137.3
105°	113.7	118.5	129.8	146.8	174.3	219.8	298.4	431.0	621.5	844.1	1061.0
107.5°	138.8	143.7	155.7	172.0	199.2	240.8	312.4	425.7	579.0	760.8	952.8
110°	156.3	161.0	172.4	189.5	215.1	256.7	323.0	427.3	564.7	719.1	887.7





TEST NUMBER: P332528-930

CATALOG NUMBER: SA4XXDIP-C350D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	173.0	178.5	189.1	206.2	231.7	271.9	334.4	431.8	557.8	695.5	839.9
115°	198.0	204.6	214.1	232.1	257.7	295.5	352.5	440.5	554.2	673.6	792.0
117.5°	222.8	228.7	239.1	256.0	282.5	318.5	370.8	449.8	553.3	663.7	768.5
120°	238.7	245.4	255.8	271.9	298.4	334.4	383.7	456.6	553.3	658.4	757.9
122.5°	253.9	260.6	270.2	287.8	313.6	349.6	395.8	463.5	552.5	652.4	748.8
125°	275.7	281.4	291.8	309.8	336.3	370.4	414.0	473.7	551.4	642.3	733.3
127.5°	292.5	299.4	311.3	330.0	356.8	389.7	429.7	481.8	549.3	628.8	714.3
130°	303.1	310.7	325.0	342.9	370.4	402.7	439.6	487.9	548.5	620.5	699.2
132.5°	312.3	322.1	335.6	355.1	381.1	413.3	449.5	493.2	547.8	612.9	683.2
135°	326.9	336.3	352.5	372.3	397.0	428.2	462.4	501.2	546.7	601.6	661.3
137.5°	340.5	350.9	366.2	386.9	410.4	439.6	471.4	505.9	546.4	591.7	641.4
140°	349.6	360.0	376.1	396.0	418.7	447.2	477.4	509.7	545.7	586.4	630.0
142.5°	360.2	369.8	385.2	404.3	426.3	454.0	482.0	512.7	545.7	581.9	619.4
145°	375.2	384.7	397.9	415.9	436.8	461.4	487.0	514.5	543.8	574.1	604.5
147.5°	390.1	398.4	412.1	427.1	445.8	469.0	491.3	515.4	540.4	567.1	592.2
150°	400.7	408.3	419.7	433.9	451.9	472.7	493.6	515.4	538.1	561.8	584.6
152.5°	409.9	417.4	428.0	440.8	457.2	475.8	495.1	513.9	534.3	555.7	576.2
155°	424.4	430.1	439.6	450.0	464.2	480.3	496.4	511.6	528.6	546.7	563.7
157.5°	436.9	442.2	449.6	458.7	469.9	483.6	496.4	509.2	522.8	537.4	550.2
160°	445.2	449.1	455.7	463.3	473.7	485.0	496.4	506.9	518.2	530.5	541.9
162.5°	452.1	455.1	461.0	467.8	476.0	486.6	496.4	504.6	513.6	524.5	533.5
165°	461.4	463.3	468.0	472.7	478.4	487.0	494.6	500.2	506.9	514.5	522.0
167.5°	469.0	469.9	473.5	476.1	480.5	486.7	492.3	495.7	500.0	505.3	510.9
170°	472.7	473.7	476.5	478.4	481.3	486.0	490.7	492.6	495.5	499.3	504.0
172.5°	476.5	476.7	478.8	480.0	482.0	485.3	489.3	489.6	490.9	494.0	497.9
175°	480.3	480.3	481.3	482.2	482.2	484.1	487.0	486.0	486.0	487.9	489.8
177.5°	482.2	481.4	482.2	482.2	482.2	483.0	484.5	483.0	483.0	483.7	484.5
180°	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2	482.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	465.8	465.8	465.8	465.8	465.8	465.8	465.8
2.5°	491.0	491.3	492.7	493.7	494.1	495.6	495.7
5°	534.1	537.4	543.7	544.3	545.3	550.3	546.4
7.5°	584.7	593.0	598.5	603.5	605.2	607.4	607.0
10°	617.1	629.4	635.6	645.5	645.8	648.3	646.8
12.5°	649.6	664.0	675.2	677.1	685.3	686.6	688.8
15°	695.8	711.0	726.7	732.3	743.6	746.3	750.6
17.5°	739.2	754.7	765.7	780.2	784.9	791.1	786.8
20°	763.0	779.9	793.9	805.2	810.0	813.5	813.1
22.5°	777.3	794.4	805.7	814.3	818.8	820.3	820.2
25°	786.3	796.1	799.6	802.9	797.9	796.1	796.9
27.5°	761.2	758.7	749.7	737.8	725.5	715.7	710.3
30°	726.8	711.8	698.1	674.2	661.9	654.5	647.9
32.5°	678.1	654.2	627.9	605.9	591.9	581.1	579.4
35°	594.5	558.6	526.4	499.5	485.7	473.9	471.2
37.5°	505.4	468.1	439.1	415.5	400.6	392.2	384.5
40°	446.3	414.3	385.7	365.7	354.2	348.3	343.5
42.5°	400.8	371.5	343.1	327.8	317.6	313.9	311.0
45°	337.9	310.6	291.0	279.4	273.5	267.3	264.3
47.5°	287.5	265.4	252.4	242.6	236.1	232.4	230.6
50°	258.9	240.8	229.3	221.7	215.9	213.0	211.5
52.5°	233.7	218.7	209.0	203.0	199.1	197.0	196.3
55°	201.2	189.9	183.7	178.5	175.6	173.7	172.9
57.5°	175.0	166.2	161.2	156.9	155.7	154.2	153.6
60°	157.7	150.9	146.7	143.7	142.8	140.9	141.2
62.5°	142.4	136.8	133.2	131.6	130.3	128.7	129.2
65°	120.4	116.3	114.4	112.9	111.4	110.4	111.1
67.5°	101.0	98.2	95.6	94.7	94.0	93.8	93.0
70°	88.4	86.1	83.7	83.2	83.2	82.4	82.2
72.5°	76.1	74.5	73.0	72.5	71.9	72.2	71.4
75°	58.9	57.5	56.9	56.3	56.2	56.2	55.6
77.5°	43.5	42.5	41.6	41.6	40.8	40.6	40.5
80°	33.0	32.6	31.9	31.9	31.5	31.6	31.2
82.5°	24.8	24.3	24.1	23.8	23.2	23.3	22.9
85°	13.3	12.7	12.6	12.0	11.6	12.0	11.6
87.5°	8.2	8.2	8.1	8.0	8.0	7.8	7.3
90°	18.0	18.9	18.9	19.9	20.9	19.9	19.9
92.5°	140.0	111.5	92.5	81.3	76.1	73.0	73.0
95°	555.1	428.2	336.3	289.9	260.6	243.4	231.1
97.5°	982.6	890.0	791.1	723.0	666.0	637.6	617.9
100°	1161.5	1115.1	1045.0	962.5	904.7	876.4	868.8
102.5°	1231.2	1244.6	1215.4	1164.9	1123.0	1093.1	1087.0
105°	1225.0	1318.7	1357.6	1359.5	1351.9	1338.6	1332.9
107.5°	1127.4	1259.5	1343.9	1390.7	1412.3	1421.8	1424.3
110°	1051.6	1189.0	1293.1	1360.4	1400.2	1417.3	1425.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	984.9	1114.7	1218.9	1295.3	1343.4	1367.3	1381.1
115°	908.6	1019.4	1110.4	1185.2	1242.0	1272.4	1279.9
117.5°	865.0	952.1	1029.2	1093.1	1140.8	1171.5	1177.4
120°	846.0	921.8	989.0	1043.1	1084.8	1109.4	1119.8
122.5°	833.9	902.9	961.8	1007.5	1043.1	1063.9	1074.3
125°	814.7	880.1	932.2	970.1	997.6	1015.6	1021.2
127.5°	792.2	857.4	906.9	944.9	969.4	984.6	990.2
130°	774.0	838.5	888.7	927.5	951.1	966.3	972.0
132.5°	753.6	816.4	866.7	904.7	931.5	945.8	951.5
135°	722.8	780.6	828.0	865.9	892.4	907.6	913.3
137.5°	693.5	742.2	785.0	820.4	846.6	859.1	865.9
140°	674.5	717.1	756.9	790.1	811.0	824.2	831.8
142.5°	658.6	695.2	729.7	759.0	778.4	790.1	795.4
145°	636.7	665.0	691.6	715.3	731.4	740.9	745.6
147.5°	617.7	640.4	661.3	678.7	692.5	699.8	701.4
150°	606.3	625.3	642.3	657.5	669.8	675.5	676.5
152.5°	594.9	612.4	626.4	639.3	649.3	652.7	653.7
155°	578.9	593.0	604.5	613.9	621.5	624.4	624.4
157.5°	563.0	574.9	584.0	591.2	596.9	598.6	598.6
160°	552.3	562.7	570.3	576.0	581.7	582.6	582.6
162.5°	542.5	550.7	557.4	561.6	567.3	568.3	567.4
165°	527.7	534.3	539.1	542.8	546.7	545.7	544.8
167.5°	515.2	520.5	523.3	525.2	527.7	527.5	526.8
170°	506.9	510.6	513.5	515.4	516.3	515.4	515.4
172.5°	500.0	502.3	504.3	505.5	506.5	505.5	504.0
175°	490.7	492.6	492.6	492.6	494.6	492.6	490.7
177.5°	485.3	485.3	486.0	485.3	486.0	484.5	483.0
180°	482.2	482.2	482.2	482.2	482.2	482.2	482.2

(END OF REPORT)