

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: P332891-930

Luminaire Tested: **SA4XXRDIP-C350D1205U930-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332891-930  
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: SA4XXRDIP-C350D1205U930-4F0-1E-UDD-A4  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4720.3 lumens  
Efficiency: N/A  
Efficacy: 111.9 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: Semi-Indirect

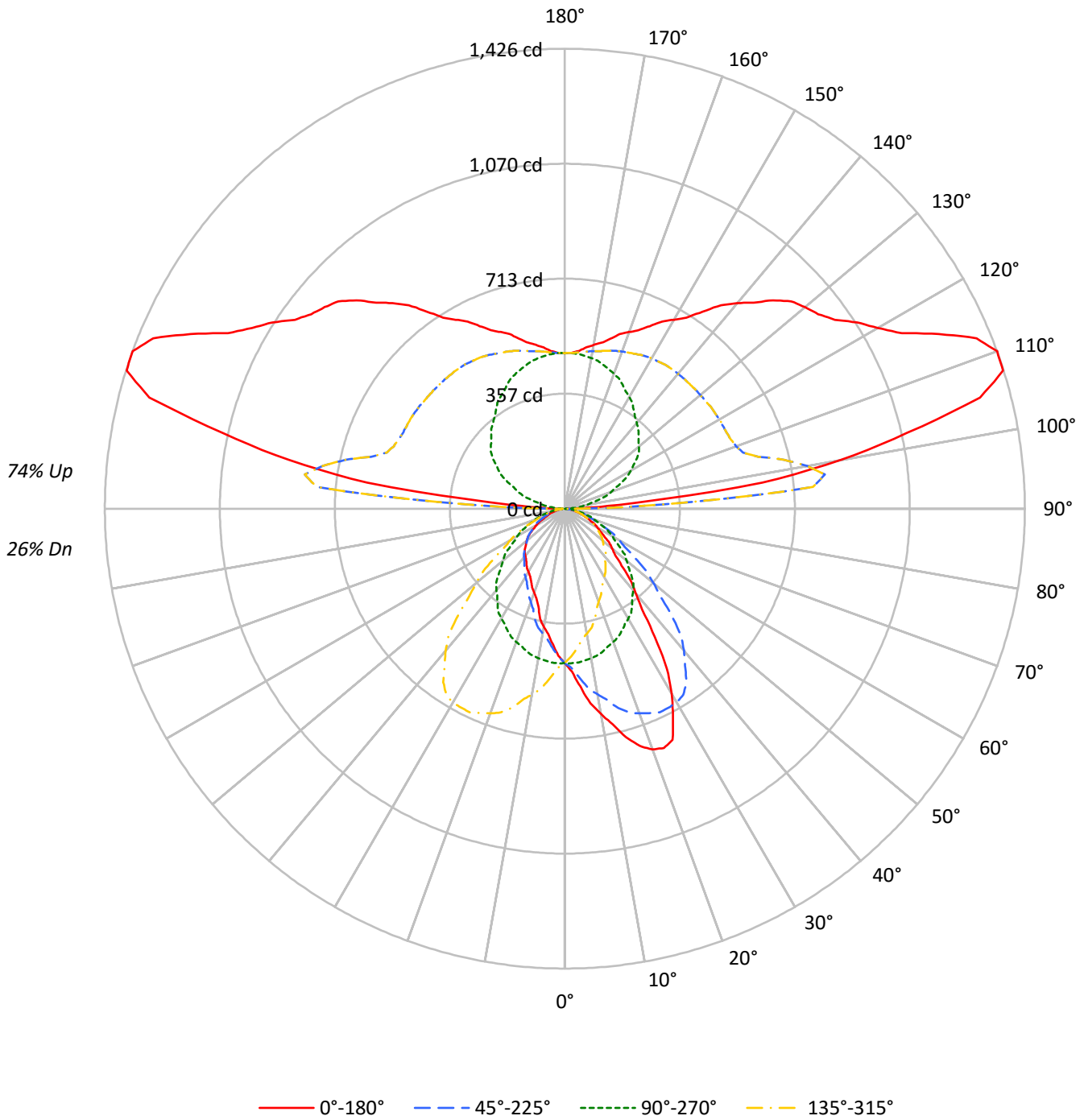
Input Watts (W): 42.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	93	88	85	82	82	79	76	73	61	59	58	45	44	43	30	30	29	22
2	84	77	72	67	75	69	65	60	54	51	48	40	38	36	27	26	25	19
3	77	68	61	56	69	61	55	51	48	44	41	35	33	31	24	22	21	16
4	71	60	53	47	63	54	48	43	42	38	35	32	29	26	22	20	18	14
5	65	54	46	40	57	48	42	37	38	33	30	28	25	23	19	18	16	12
6	60	48	40	35	53	43	37	32	34	29	26	26	22	20	18	16	14	11
7	55	43	36	30	49	39	33	28	31	26	23	23	20	18	16	14	13	10
8	51	39	32	27	45	35	29	25	28	23	20	21	18	16	15	13	11	9
9	47	36	29	24	42	32	26	22	26	21	18	19	16	14	14	12	10	8
10	44	33	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°	3866	3866	3866	3866
5°	4485	3878	3428	3878
10°	5305	3861	3059	3861
15°	6128	3825	2629	3825
20°	6823	3776	2377	3776
25°	7044	3728	2207	3728
30°	6166	3669	2105	3669
35°	4800	3582	2042	3582
40°	3599	3483	2009	3483
45°	2842	3323	1991	3323
50°	2399	3141	1934	3141
55°	2090	2939	1830	2939
60°	1881	2729	1621	2729
65°	1658	2502	1394	2502
70°	1494	2268	1256	2268
75°	1251	2009	1070	2009
80°	1055	1715	1004	1715
85°	889	1343	889	1343



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.4	1.0
10°-20°	140.0	3.0
20°-30°	218.9	4.6
30°-40°	243.4	5.2
40°-50°	215.9	4.6
50°-60°	168.3	3.6
60°-70°	110.2	2.3
70°-80°	54.2	1.1
80°-90°	16.0	0.3
90°-100°	348.3	7.4
100°-110°	724.9	15.4
110°-120°	649.3	13.8
120°-130°	546.2	11.6
130°-140°	455.4	9.6
140°-150°	347.9	7.4
150°-160°	244.5	5.2
160°-170°	143.8	3.0
170°-180°	46.8	1.0
0°-30°	405.3	8.6
0°-40°	648.7	13.7
0°-60°	1032.9	21.9
0°-90°	1213.2	25.7
90°-120°	1722.5	36.5
90°-150°	3071.9	65.1
90°-180°	3507.0	74.3
0°-180°	4720.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	479	479	479	479	479	
5°	553	478	423	478	553	56
15°	733	458	314	458	733	208
25°	791	418	248	418	791	351
35°	487	364	207	364	487	305
45°	249	291	174	291	249	197
55°	148	209	130	209	148	135
65°	87	131	73	131	87	87
75°	40	64	34	64	40	44
85°	10	14	10	14	10	11
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°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2.5°	505.2	506.5	505.2	505.0	503.4	503.0	502.4	500.3	496.7	494.5	495.0
5°	553.4	558.2	555.5	555.1	550.9	546.7	544.0	537.8	531.2	526.8	523.1
7.5°	609.2	612.0	610.3	607.6	600.7	596.8	590.5	582.4	570.6	561.7	553.4
10°	647.2	649.5	648.7	643.7	638.7	628.4	622.6	611.3	596.4	584.7	573.6
12.5°	684.5	687.0	680.2	680.4	670.9	662.8	653.7	639.4	622.2	607.1	593.3
15°	733.2	730.1	730.1	726.3	715.7	704.5	695.0	680.0	658.4	640.3	621.1
17.5°	771.4	772.4	770.9	761.7	753.4	741.8	724.5	706.9	686.9	662.5	643.0
20°	794.2	794.2	792.5	786.3	775.5	763.1	744.4	725.3	699.9	675.3	653.4
22.5°	803.5	804.0	802.0	797.0	787.3	775.2	759.2	739.8	713.5	686.0	658.8
25°	790.8	794.4	794.8	793.4	790.5	783.2	769.5	749.7	726.1	696.2	666.8
27.5°	725.9	730.6	734.7	741.4	750.2	754.8	755.5	745.3	724.8	696.0	666.5
30°	661.5	665.3	677.8	694.2	706.9	718.5	728.6	731.3	719.7	693.9	662.8
32.5°	589.8	595.1	607.6	625.3	646.5	666.1	688.6	700.1	699.8	684.3	655.6
35°	487.0	490.9	502.5	521.0	546.4	575.6	611.3	639.0	657.9	656.6	639.0
37.5°	392.8	397.1	408.8	424.2	448.9	484.9	519.5	557.8	592.7	612.4	606.5
40°	341.5	341.7	353.1	368.9	392.1	423.5	461.1	503.6	542.6	574.5	580.6
42.5°	301.1	301.1	308.7	325.7	342.3	371.9	407.9	450.0	495.7	532.5	548.8
45°	248.9	250.6	256.8	267.0	280.1	305.2	334.0	373.2	424.3	467.9	495.1
47.5°	210.8	213.4	217.3	225.6	236.0	252.7	276.5	311.8	353.4	401.3	440.0
50°	191.0	191.4	196.4	201.1	210.1	223.5	244.3	273.6	311.9	357.9	401.0
52.5°	174.1	174.0	177.0	182.9	190.2	200.6	217.4	244.1	278.0	319.4	363.8
55°	148.5	149.5	151.9	156.5	162.1	169.4	182.7	202.8	229.4	264.7	305.1
57.5°	129.2	129.7	131.5	133.5	138.6	144.0	153.9	167.9	190.3	219.2	256.8
60°	116.5	116.8	117.3	120.2	124.3	129.3	136.1	147.8	166.7	193.1	222.9
62.5°	104.2	104.5	105.4	107.5	110.7	114.1	121.2	130.7	146.3	168.9	195.7
65°	86.8	87.0	88.4	89.1	91.6	94.7	100.0	106.3	117.2	136.1	156.3
67.5°	72.6	72.6	72.6	73.7	75.4	77.5	80.6	85.7	93.8	105.4	123.3
70°	63.3	63.3	63.7	64.2	65.2	66.9	68.7	72.6	78.5	88.0	101.7
72.5°	54.6	54.8	55.2	55.3	55.8	57.2	58.5	61.0	65.4	72.6	83.6
75°	40.1	40.7	41.7	42.5	43.5	43.2	44.6	46.1	47.5	51.7	58.0
77.5°	29.8	29.6	29.7	30.3	30.4	30.7	31.6	32.8	33.8	35.8	38.1
80°	22.7	22.7	23.3	23.6	23.3	23.6	24.5	25.1	25.4	26.3	28.4
82.5°	17.2	17.5	17.4	17.5	17.6	17.9	18.7	18.8	19.2	19.5	20.3
85°	9.6	9.9	10.0	9.6	9.6	9.6	10.0	10.2	10.6	10.4	10.8
87.5°	7.3	7.3	7.6	7.3	7.3	7.2	7.2	7.3	6.8	7.1	6.8
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°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2.5°	493.4	491.3	490.2	487.7	484.8	483.2	481.8	479.8	477.2	474.4	472.5
5°	518.4	513.8	508.0	501.1	495.0	488.9	483.7	478.5	472.5	466.4	460.2
7.5°	544.1	535.1	525.2	513.8	502.8	492.7	483.4	474.6	464.6	455.5	447.4
10°	562.1	549.8	536.1	521.5	507.1	494.6	482.2	471.0	458.7	447.7	438.4
12.5°	576.6	562.1	545.6	527.6	510.1	495.0	480.8	466.2	452.2	440.3	427.9
15°	600.6	580.8	558.6	537.0	514.5	493.7	474.7	457.7	441.6	424.9	413.1
17.5°	617.3	593.6	566.6	540.7	514.0	489.7	467.7	447.4	428.9	411.8	397.8
20°	627.1	601.0	571.1	541.6	511.7	485.7	461.9	439.5	420.4	401.9	387.4
22.5°	632.7	603.8	571.1	540.2	509.2	481.0	455.0	431.7	410.9	392.3	376.3
25°	634.5	603.6	570.2	534.7	500.8	470.8	443.8	418.5	395.3	376.8	359.9
27.5°	631.9	595.6	561.4	525.0	489.9	458.4	430.1	403.5	380.3	360.4	343.0
30°	628.3	589.3	552.6	514.8	479.3	449.0	419.1	393.6	369.5	348.9	331.3
32.5°	620.2	581.6	542.1	503.4	467.4	436.2	407.8	382.2	358.6	337.5	318.8
35°	604.3	565.2	522.4	482.6	447.3	414.8	388.2	363.5	341.0	318.4	298.7
37.5°	583.3	543.4	500.8	457.2	421.8	391.3	366.9	343.6	321.6	301.0	279.2
40°	563.6	527.2	483.1	439.9	403.7	374.1	351.6	330.5	308.3	287.9	266.1
42.5°	539.7	508.7	464.1	420.8	385.0	356.5	335.5	315.0	294.7	274.9	252.2
45°	499.8	476.2	434.6	392.9	356.8	328.6	309.3	291.1	273.5	254.5	233.1
47.5°	454.0	438.1	402.1	359.4	326.0	300.7	282.0	267.2	252.2	233.3	214.5
50°	422.2	412.0	377.2	338.3	306.4	283.1	264.0	250.1	237.5	219.4	202.6
52.5°	388.2	382.8	353.4	316.2	285.4	262.5	246.2	233.7	221.0	205.9	190.3
55°	336.5	339.4	314.5	282.3	253.3	234.1	219.2	208.8	198.0	185.2	173.1
57.5°	283.6	294.2	277.5	249.2	222.1	204.2	193.1	184.3	175.2	164.7	154.3
60°	252.0	260.9	251.4	226.5	202.8	186.2	175.8	169.0	160.0	150.3	142.4
62.5°	221.1	230.6	225.0	204.9	182.9	168.6	159.4	153.1	146.3	137.9	129.7
65°	182.4	188.5	185.8	171.9	156.3	144.1	135.7	131.0	124.8	118.7	111.4
67.5°	139.7	151.6	150.0	142.6	129.1	119.6	114.1	110.0	104.4	99.8	94.8
70°	114.8	125.8	125.6	119.6	112.3	103.5	99.5	96.1	91.1	86.7	82.6
72.5°	94.0	104.0	105.6	100.9	96.0	89.2	85.5	83.2	78.3	75.3	71.9
75°	65.8	73.1	75.1	75.1	72.7	69.3	66.0	64.4	61.0	58.3	56.3
77.5°	43.1	47.8	50.8	51.4	51.9	50.6	47.9	46.9	44.2	43.3	41.4
80°	30.5	33.6	37.0	38.2	39.1	38.8	37.7	36.9	34.3	33.3	32.6
82.5°	21.0	22.7	25.6	28.2	27.9	28.9	27.9	27.3	25.4	25.0	24.3
85°	11.0	11.2	11.6	13.3	14.3	14.7	14.8	14.5	13.9	13.9	12.6
87.5°	6.4	6.2	5.4	5.4	5.3	5.8	5.6	5.5	5.4	5.5	5.2
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: P332891-930

CATALOG NUMBER: SA4XXRDIP-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: P332891-930

CATALOG NUMBER: SA4XXRDIP-C350D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2.5°	470.3	468.7	466.8	464.4	461.6	459.2	458.0	459.0	459.5	458.2	458.0
5°	455.9	451.1	447.3	441.5	436.8	433.0	430.3	429.1	429.5	426.4	425.7
7.5°	439.9	434.1	427.8	420.9	414.6	408.9	405.9	404.3	401.0	399.6	397.2
10°	429.5	421.8	415.6	407.5	400.1	393.5	390.1	387.4	384.2	382.6	379.4
12.5°	418.9	409.9	403.1	394.7	387.2	379.1	375.9	371.0	365.8	362.6	358.3
15°	403.8	393.1	384.7	374.7	365.8	356.6	348.3	339.0	335.6	328.2	324.0
17.5°	386.3	375.4	365.1	351.6	337.9	326.4	317.6	308.7	303.4	298.7	296.5
20°	374.7	364.7	350.4	334.8	319.5	306.8	299.6	293.8	288.0	284.8	282.5
22.5°	363.8	350.9	334.4	317.5	302.2	292.3	286.3	280.3	275.6	272.5	269.4
25°	345.4	328.6	311.0	291.7	281.4	272.6	266.1	261.2	258.4	254.3	252.7
27.5°	326.5	306.1	286.8	273.9	263.0	255.0	249.3	245.7	242.1	239.5	237.4
30°	312.0	291.4	274.0	261.6	250.6	244.1	239.5	235.2	232.3	230.2	228.7
32.5°	297.7	277.0	262.4	249.2	240.4	234.1	229.1	225.9	223.6	220.9	220.0
35°	276.9	258.5	245.8	233.8	225.0	219.2	215.3	212.1	210.1	209.4	208.8
37.5°	256.9	241.9	228.2	218.4	210.5	205.9	201.4	199.7	198.4	197.1	197.7
40°	244.3	230.2	218.0	207.7	201.2	196.2	193.6	191.6	190.5	190.5	190.5
42.5°	233.3	219.6	207.7	198.4	192.0	187.8	184.7	183.1	182.7	182.5	183.5
45°	216.3	203.6	191.6	183.8	178.5	174.2	172.5	171.1	171.1	171.9	172.1
47.5°	199.4	187.5	177.9	169.3	164.3	161.7	160.1	159.5	159.6	160.3	161.2
50°	189.1	177.3	167.9	160.1	155.6	153.0	151.6	151.2	151.6	151.6	153.0
52.5°	177.8	167.3	158.0	151.5	146.3	143.9	143.2	142.6	142.8	143.5	144.1
55°	161.3	151.9	143.0	136.8	133.0	131.4	129.6	129.9	129.5	129.9	129.9
57.5°	144.7	136.2	128.0	123.1	119.7	117.5	115.6	116.1	115.5	115.4	115.1
60°	134.1	124.8	118.3	113.8	110.0	108.0	106.3	106.7	106.2	105.7	104.9
62.5°	122.5	114.8	108.5	104.3	101.2	99.0	97.2	96.9	95.5	94.2	92.5
65°	105.7	99.4	93.8	89.8	86.8	85.1	83.7	82.6	79.7	76.6	75.1
67.5°	89.4	84.8	79.6	76.1	73.8	71.6	69.0	67.0	64.3	62.6	61.6
70°	78.9	74.5	70.0	66.8	64.2	62.1	59.3	57.9	55.9	55.2	54.2
72.5°	68.9	64.7	60.7	57.6	55.0	53.3	51.0	49.7	48.8	48.5	47.6
75°	53.6	50.4	47.3	44.6	42.5	41.3	40.4	39.4	39.0	37.3	36.3
77.5°	39.1	36.9	35.1	33.1	31.6	30.8	28.9	27.9	27.2	26.4	26.2
80°	30.5	28.9	27.0	25.8	23.7	23.0	22.2	22.0	21.8	21.6	21.4
82.5°	22.9	21.4	19.5	18.8	18.2	17.7	17.3	17.0	16.9	17.0	17.0
85°	11.6	10.8	10.8	10.6	10.4	10.2	10.0	10.0	9.9	10.0	9.9
87.5°	5.4	5.2	6.4	6.0	6.6	6.9	6.6	6.8	7.2	7.0	7.0
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: P332891-930

CATALOG NUMBER: SA4XXRDIP-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: P332891-930

CATALOG NUMBER: SA4XXRDIP-C350D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2.5°	457.1	457.5	456.4	456.1	456.4	457.5	457.1	458.0	458.2	459.5	459.0
5°	424.1	423.7	422.7	423.0	422.7	423.7	424.1	425.7	426.4	429.5	429.1
7.5°	395.8	394.4	394.8	393.2	394.8	394.4	395.8	397.2	399.6	401.0	404.3
10°	378.5	376.4	374.7	373.2	374.7	376.4	378.5	379.4	382.6	384.2	387.4
12.5°	355.0	353.1	350.8	351.2	350.8	353.1	355.0	358.3	362.6	365.8	371.0
15°	321.5	318.5	314.0	314.5	314.0	318.5	321.5	324.0	328.2	335.6	339.0
17.5°	293.1	293.1	291.0	291.6	291.0	293.1	293.1	296.5	298.7	303.4	308.7
20°	278.4	277.1	277.3	276.7	277.3	277.1	278.4	282.5	284.8	288.0	293.8
22.5°	268.2	266.6	265.2	264.1	265.2	266.6	268.2	269.4	272.5	275.6	280.3
25°	251.0	249.9	248.2	247.8	248.2	249.9	251.0	252.7	254.3	258.4	261.2
27.5°	235.9	235.7	235.0	234.1	235.0	235.7	235.9	237.4	239.5	242.1	245.7
30°	227.1	226.7	226.3	225.8	226.3	226.7	227.1	228.7	230.2	232.3	235.2
32.5°	219.2	219.0	218.6	218.7	218.6	219.0	219.2	220.0	220.9	223.6	225.9
35°	208.0	207.8	207.4	207.2	207.4	207.8	208.0	208.8	209.4	210.1	212.1
37.5°	197.5	198.0	197.8	197.7	197.8	198.0	197.5	197.7	197.1	198.4	199.7
40°	190.3	190.5	190.9	190.6	190.9	190.5	190.3	190.5	190.5	190.5	191.6
42.5°	184.3	184.3	184.8	184.2	184.8	184.3	184.3	183.5	182.5	182.7	183.1
45°	173.5	174.6	174.4	174.4	174.4	174.6	173.5	172.1	171.9	171.1	171.1
47.5°	161.7	162.7	163.0	162.9	163.0	162.7	161.7	161.2	160.3	159.6	159.5
50°	154.0	153.6	154.2	154.0	154.2	153.6	154.0	153.0	151.6	151.6	151.2
52.5°	144.6	144.6	144.6	144.4	144.6	144.6	144.6	144.1	143.5	142.8	142.6
55°	130.0	130.3	129.9	130.0	129.9	130.3	130.0	129.9	129.9	129.5	129.9
57.5°	114.3	113.4	113.7	113.3	113.7	113.4	114.3	115.1	115.4	115.5	116.1
60°	103.1	101.5	101.1	100.4	101.1	101.5	103.1	104.9	105.7	106.2	106.7
62.5°	90.4	89.3	88.0	88.6	88.0	89.3	90.4	92.5	94.2	95.5	96.9
65°	73.5	72.7	72.2	73.0	72.2	72.7	73.5	75.1	76.6	79.7	82.6
67.5°	60.8	60.4	60.4	60.1	60.4	60.4	60.8	61.6	62.6	64.3	67.0
70°	54.2	53.6	53.6	53.2	53.6	53.6	54.2	54.2	55.2	55.9	57.9
72.5°	47.5	46.9	47.0	46.8	47.0	46.9	47.5	47.6	48.5	48.8	49.7
75°	35.1	34.2	34.2	34.3	34.2	34.2	35.1	36.3	37.3	39.0	39.4
77.5°	26.2	26.0	26.3	25.9	26.3	26.0	26.2	26.2	26.4	27.2	27.9
80°	21.4	21.2	21.0	21.6	21.0	21.2	21.4	21.4	21.6	21.8	22.0
82.5°	16.6	16.6	16.6	17.3	16.6	16.6	16.6	17.0	17.0	16.9	17.0
85°	10.0	9.6	10.0	9.6	10.0	9.6	10.0	9.9	10.0	9.9	10.0
87.5°	7.5	7.6	7.3	7.3	7.3	7.6	7.5	7.0	7.0	7.2	6.8
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: P332891-930

CATALOG NUMBER: SA4XXRDIP-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: P332891-930

CATALOG NUMBER: SA4XXRDIP-C350D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2.5°	458.0	459.2	461.6	464.4	466.8	468.7	470.3	472.5	474.4	477.2	479.8
5°	430.3	433.0	436.8	441.5	447.3	451.1	455.9	460.2	466.4	472.5	478.5
7.5°	405.9	408.9	414.6	420.9	427.8	434.1	439.9	447.4	455.5	464.6	474.6
10°	390.1	393.5	400.1	407.5	415.6	421.8	429.5	438.4	447.7	458.7	471.0
12.5°	375.9	379.1	387.2	394.7	403.1	409.9	418.9	427.9	440.3	452.2	466.2
15°	348.3	356.6	365.8	374.7	384.7	393.1	403.8	413.1	424.9	441.6	457.7
17.5°	317.6	326.4	337.9	351.6	365.1	375.4	386.3	397.8	411.8	428.9	447.4
20°	299.6	306.8	319.5	334.8	350.4	364.7	374.7	387.4	401.9	420.4	439.5
22.5°	286.3	292.3	302.2	317.5	334.4	350.9	363.8	376.3	392.3	410.9	431.7
25°	266.1	272.6	281.4	291.7	311.0	328.6	345.4	359.9	376.8	395.3	418.5
27.5°	249.3	255.0	263.0	273.9	286.8	306.1	326.5	343.0	360.4	380.3	403.5
30°	239.5	244.1	250.6	261.6	274.0	291.4	312.0	331.3	348.9	369.5	393.6
32.5°	229.1	234.1	240.4	249.2	262.4	277.0	297.7	318.8	337.5	358.6	382.2
35°	215.3	219.2	225.0	233.8	245.8	258.5	276.9	298.7	318.4	341.0	363.5
37.5°	201.4	205.9	210.5	218.4	228.2	241.9	256.9	279.2	301.0	321.6	343.6
40°	193.6	196.2	201.2	207.7	218.0	230.2	244.3	266.1	287.9	308.3	330.5
42.5°	184.7	187.8	192.0	198.4	207.7	219.6	233.3	252.2	274.9	294.7	315.0
45°	172.5	174.2	178.5	183.8	191.6	203.6	216.3	233.1	254.5	273.5	291.1
47.5°	160.1	161.7	164.3	169.3	177.9	187.5	199.4	214.5	233.3	252.2	267.2
50°	151.6	153.0	155.6	160.1	167.9	177.3	189.1	202.6	219.4	237.5	250.1
52.5°	143.2	143.9	146.3	151.5	158.0	167.3	177.8	190.3	205.9	221.0	233.7
55°	129.6	131.4	133.0	136.8	143.0	151.9	161.3	173.1	185.2	198.0	208.8
57.5°	115.6	117.5	119.7	123.1	128.0	136.2	144.7	154.3	164.7	175.2	184.3
60°	106.3	108.0	110.0	113.8	118.3	124.8	134.1	142.4	150.3	160.0	169.0
62.5°	97.2	99.0	101.2	104.3	108.5	114.8	122.5	129.7	137.9	146.3	153.1
65°	83.7	85.1	86.8	89.8	93.8	99.4	105.7	111.4	118.7	124.8	131.0
67.5°	69.0	71.6	73.8	76.1	79.6	84.8	89.4	94.8	99.8	104.4	110.0
70°	59.3	62.1	64.2	66.8	70.0	74.5	78.9	82.6	86.7	91.1	96.1
72.5°	51.0	53.3	55.0	57.6	60.7	64.7	68.9	71.9	75.3	78.3	83.2
75°	40.4	41.3	42.5	44.6	47.3	50.4	53.6	56.3	58.3	61.0	64.4
77.5°	28.9	30.8	31.6	33.1	35.1	36.9	39.1	41.4	43.3	44.2	46.9
80°	22.2	23.0	23.7	25.8	27.0	28.9	30.5	32.6	33.3	34.3	36.9
82.5°	17.3	17.7	18.2	18.8	19.5	21.4	22.9	24.3	25.0	25.4	27.3
85°	10.0	10.2	10.4	10.6	10.8	10.8	11.6	12.6	13.9	13.9	14.5
87.5°	6.6	6.9	6.6	6.0	6.4	5.2	5.4	5.2	5.5	5.4	5.5
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: P332891-930

CATALOG NUMBER: SA4XXRDIP-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: P332891-930

CATALOG NUMBER: SA4XXRDIP-C350D1205U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2.5°	481.8	483.2	484.8	487.7	490.2	491.3	493.4	495.0	494.5	496.7	500.3
5°	483.7	488.9	495.0	501.1	508.0	513.8	518.4	523.1	526.8	531.2	537.8
7.5°	483.4	492.7	502.8	513.8	525.2	535.1	544.1	553.4	561.7	570.6	582.4
10°	482.2	494.6	507.1	521.5	536.1	549.8	562.1	573.6	584.7	596.4	611.3
12.5°	480.8	495.0	510.1	527.6	545.6	562.1	576.6	593.3	607.1	622.2	639.4
15°	474.7	493.7	514.5	537.0	558.6	580.8	600.6	621.1	640.3	658.4	680.0
17.5°	467.7	489.7	514.0	540.7	566.6	593.6	617.3	643.0	662.5	686.9	706.9
20°	461.9	485.7	511.7	541.6	571.1	601.0	627.1	653.4	675.3	699.9	725.3
22.5°	455.0	481.0	509.2	540.2	571.1	603.8	632.7	658.8	686.0	713.5	739.8
25°	443.8	470.8	500.8	534.7	570.2	603.6	634.5	666.8	696.2	726.1	749.7
27.5°	430.1	458.4	489.9	525.0	561.4	595.6	631.9	666.5	696.0	724.8	745.3
30°	419.1	449.0	479.3	514.8	552.6	589.3	628.3	662.8	693.9	719.7	731.3
32.5°	407.8	436.2	467.4	503.4	542.1	581.6	620.2	655.6	684.3	699.8	700.1
35°	388.2	414.8	447.3	482.6	522.4	565.2	604.3	639.0	656.6	657.9	639.0
37.5°	366.9	391.3	421.8	457.2	500.8	543.4	583.3	606.5	612.4	592.7	557.8
40°	351.6	374.1	403.7	439.9	483.1	527.2	563.6	580.6	574.5	542.6	503.6
42.5°	335.5	356.5	385.0	420.8	464.1	508.7	539.7	548.8	532.5	495.7	450.0
45°	309.3	328.6	356.8	392.9	434.6	476.2	499.8	495.1	467.9	424.3	373.2
47.5°	282.0	300.7	326.0	359.4	402.1	438.1	454.0	440.0	401.3	353.4	311.8
50°	264.0	283.1	306.4	338.3	377.2	412.0	422.2	401.0	357.9	311.9	273.6
52.5°	246.2	262.5	285.4	316.2	353.4	382.8	388.2	363.8	319.4	278.0	244.1
55°	219.2	234.1	253.3	282.3	314.5	339.4	336.5	305.1	264.7	229.4	202.8
57.5°	193.1	204.2	222.1	249.2	277.5	294.2	283.6	256.8	219.2	190.3	167.9
60°	175.8	186.2	202.8	226.5	251.4	260.9	252.0	222.9	193.1	166.7	147.8
62.5°	159.4	168.6	182.9	204.9	225.0	230.6	221.1	195.7	168.9	146.3	130.7
65°	135.7	144.1	156.3	171.9	185.8	188.5	182.4	156.3	136.1	117.2	106.3
67.5°	114.1	119.6	129.1	142.6	150.0	151.6	139.7	123.3	105.4	93.8	85.7
70°	99.5	103.5	112.3	119.6	125.6	125.8	114.8	101.7	88.0	78.5	72.6
72.5°	85.5	89.2	96.0	100.9	105.6	104.0	94.0	83.6	72.6	65.4	61.0
75°	66.0	69.3	72.7	75.1	75.1	73.1	65.8	58.0	51.7	47.5	46.1
77.5°	47.9	50.6	51.9	51.4	50.8	47.8	43.1	38.1	35.8	33.8	32.8
80°	37.7	38.8	39.1	38.2	37.0	33.6	30.5	28.4	26.3	25.4	25.1
82.5°	27.9	28.9	27.9	28.2	25.6	22.7	21.0	20.3	19.5	19.2	18.8
85°	14.8	14.7	14.3	13.3	11.6	11.2	11.0	10.8	10.4	10.6	10.2
87.5°	5.6	5.8	5.3	5.4	5.4	6.2	6.4	6.8	7.1	6.8	7.3
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: P332891-930

CATALOG NUMBER: SA4XXRDIP-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°	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2.5°	502.4	503.0	503.4	505.0	505.2	506.5	505.2
5°	544.0	546.7	550.9	555.1	555.5	558.2	553.4
7.5°	590.5	596.8	600.7	607.6	610.3	612.0	609.2
10°	622.6	628.4	638.7	643.7	648.7	649.5	647.2
12.5°	653.7	662.8	670.9	680.4	680.2	687.0	684.5
15°	695.0	704.5	715.7	726.3	730.1	730.1	733.2
17.5°	724.5	741.8	753.4	761.7	770.9	772.4	771.4
20°	744.4	763.1	775.5	786.3	792.5	794.2	794.2
22.5°	759.2	775.2	787.3	797.0	802.0	804.0	803.5
25°	769.5	783.2	790.5	793.4	794.8	794.4	790.8
27.5°	755.5	754.8	750.2	741.4	734.7	730.6	725.9
30°	728.6	718.5	706.9	694.2	677.8	665.3	661.5
32.5°	688.6	666.1	646.5	625.3	607.6	595.1	589.8
35°	611.3	575.6	546.4	521.0	502.5	490.9	487.0
37.5°	519.5	484.9	448.9	424.2	408.8	397.1	392.8
40°	461.1	423.5	392.1	368.9	353.1	341.7	341.5
42.5°	407.9	371.9	342.3	325.7	308.7	301.1	301.1
45°	334.0	305.2	280.1	267.0	256.8	250.6	248.9
47.5°	276.5	252.7	236.0	225.6	217.3	213.4	210.8
50°	244.3	223.5	210.1	201.1	196.4	191.4	191.0
52.5°	217.4	200.6	190.2	182.9	177.0	174.0	174.1
55°	182.7	169.4	162.1	156.5	151.9	149.5	148.5
57.5°	153.9	144.0	138.6	133.5	131.5	129.7	129.2
60°	136.1	129.3	124.3	120.2	117.3	116.8	116.5
62.5°	121.2	114.1	110.7	107.5	105.4	104.5	104.2
65°	100.0	94.7	91.6	89.1	88.4	87.0	86.8
67.5°	80.6	77.5	75.4	73.7	72.6	72.6	72.6
70°	68.7	66.9	65.2	64.2	63.7	63.3	63.3
72.5°	58.5	57.2	55.8	55.3	55.2	54.8	54.6
75°	44.6	43.2	43.5	42.5	41.7	40.7	40.1
77.5°	31.6	30.7	30.4	30.3	29.7	29.6	29.8
80°	24.5	23.6	23.3	23.6	23.3	22.7	22.7
82.5°	18.7	17.9	17.6	17.5	17.4	17.5	17.2
85°	10.0	9.6	9.6	9.6	10.0	9.9	9.6
87.5°	7.2	7.2	7.3	7.3	7.6	7.3	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)