

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: P332490

Luminaire Tested: **SA4XXDIP-C350D365U835-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332490
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C350D365U835-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

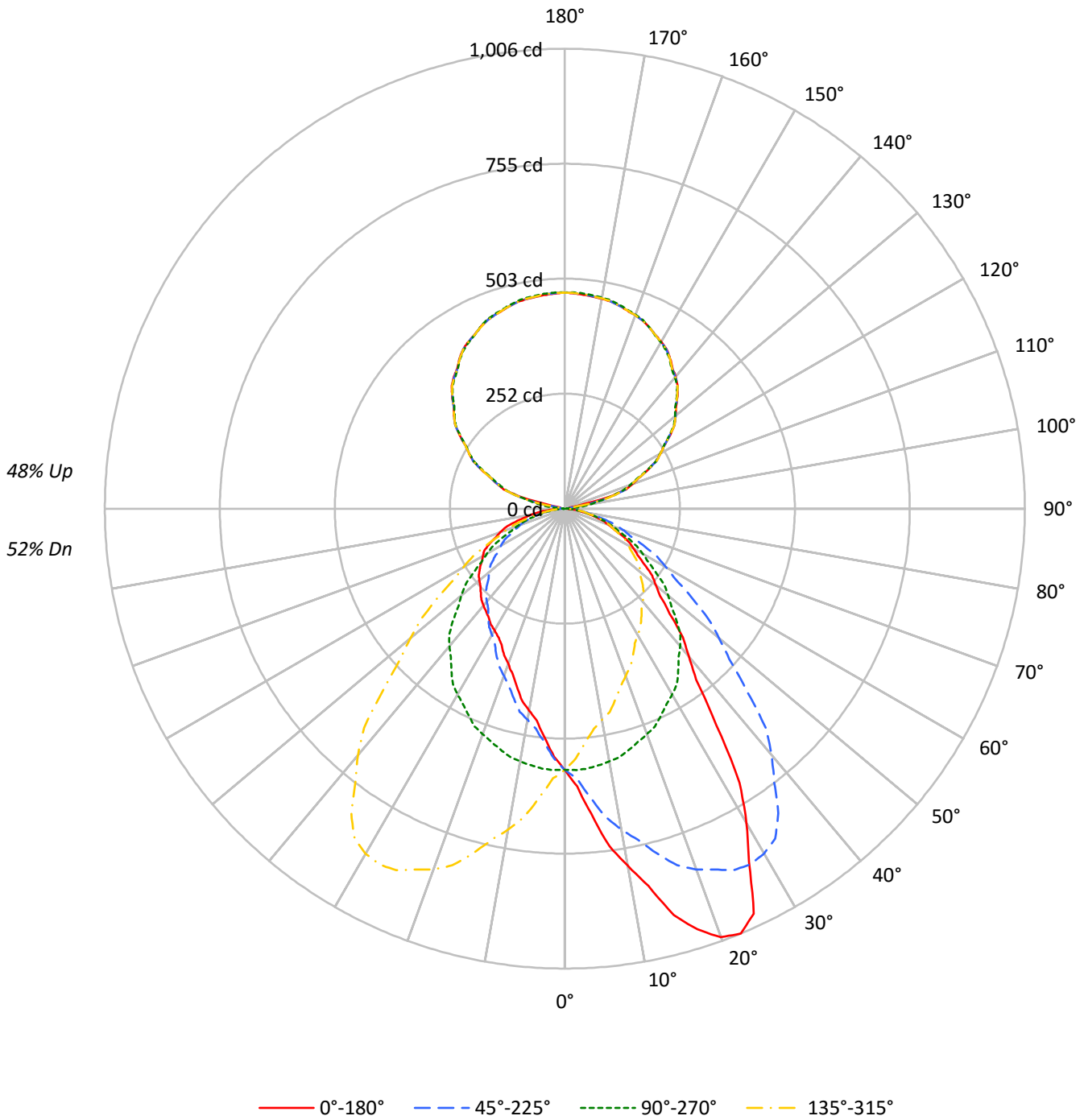
Lumens per Lamp: N/A
Luminaire Lumens: 3039.3 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

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



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	108	108	108	108	100	100	100	100	84	84	84	71	71	71	58	58	58	52				
1	98	94	90	87	91	87	84	81	74	72	70	62	61	59	51	50	49	44				
2	90	83	76	71	83	77	71	67	65	62	58	55	52	50	46	44	42	37				
3	82	73	65	60	76	68	61	56	58	53	49	49	45	42	41	38	36	32				
4	75	65	57	51	69	60	53	48	52	46	42	44	40	37	36	34	31	28				
5	69	58	50	44	64	54	47	41	46	41	36	39	35	32	33	30	27	24				
6	64	52	44	38	59	48	41	36	42	36	32	36	31	28	30	27	24	21				
7	59	47	39	33	54	44	37	32	38	32	28	32	28	25	27	24	21	19				
8	55	43	35	30	51	40	33	28	35	29	25	30	25	22	25	22	19	17				
9	51	39	31	26	47	36	30	25	32	26	23	27	23	20	23	20	17	15				
10	48	36	28	24	44	33	27	23	29	24	20	25	21	18	22	18	16	14				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4612	4612	4612	4612
5°	5431	4624	4081	4624
10°	6503	4604	3674	4604
15°	7694	4557	3375	4557
20°	8568	4509	3107	4509
25°	8706	4440	2922	4440
30°	7408	4373	2864	4373
35°	5695	4263	2864	4263
40°	4440	4135	2918	4135
45°	3701	3942	2967	3942
50°	3258	3706	3067	3706
55°	2985	3424	3191	3424
60°	2796	3171	3339	3171
65°	2604	2888	3463	2888
70°	2379	2608	3541	2608
75°	2127	2296	3500	2296
80°	1781	1883	3389	1883
85°	1315	1362	3242	1362



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.7	1.8
10°-20°	171.6	5.6
20°-30°	272.0	9.0
30°-40°	302.8	10.0
40°-50°	275.6	9.1
50°-60°	225.2	7.4
60°-70°	160.8	5.3
70°-80°	88.5	2.9
80°-90°	25.5	0.8
90°-100°	16.2	0.5
100°-110°	103.0	3.4
110°-120°	197.1	6.5
120°-130°	250.2	8.2
130°-140°	267.7	8.8
140°-150°	250.4	8.2
150°-160°	201.9	6.6
160°-170°	130.2	4.3
170°-180°	44.9	1.5
0°-30°	499.3	16.4
0°-40°	802.0	26.4
0°-60°	1302.8	42.9
0°-90°	1577.6	51.9
90°-120°	316.3	10.4
90°-150°	1084.6	35.7
90°-180°	1462.0	48.1
0°-180°	3039.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	571	571	571	571	571	
5°	670	571	504	571	670	68
15°	921	545	404	545	921	260
25°	977	498	328	498	977	431
35°	578	433	291	433	578	367
45°	324	345	260	345	324	255
55°	212	243	227	243	212	192
65°	136	151	181	151	136	135
75°	68	74	112	74	68	72
85°	14	15	35	15	14	18
90°	11	1	11	1	11	5
95°	10	19	10	19	10	8
105°	101	106	101	106	101	88
115°	200	199	200	199	200	198
125°	281	279	281	279	281	251
135°	349	346	349	346	349	268
145°	402	399	402	399	402	251
155°	438	438	438	438	438	202
165°	460	462	460	462	460	130
175°	470	472	470	472	470	45
180°	472	472	472	472	472	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	608.0	607.9	606.0	605.6	604.3	602.6	602.2	599.1	593.1	590.2	589.5
5°	670.2	675.0	668.8	667.6	666.9	659.1	655.1	650.4	639.5	633.1	628.1
7.5°	744.5	745.0	742.3	740.2	734.1	727.3	717.1	706.2	693.2	679.8	669.6
10°	793.3	795.2	792.1	791.7	779.6	772.0	756.9	744.1	729.4	713.1	698.2
12.5°	844.8	842.2	840.6	830.5	828.2	814.4	796.8	783.7	761.0	742.2	722.4
15°	920.6	915.4	912.1	898.2	891.3	872.1	853.4	839.0	809.4	781.2	759.9
17.5°	965.1	970.3	962.7	956.9	939.2	925.7	906.6	876.3	853.2	818.2	791.3
20°	997.3	997.8	993.5	987.6	973.7	956.6	935.8	902.7	875.0	840.2	803.2
22.5°	1006.0	1006.1	1004.3	998.8	988.2	974.4	953.4	925.7	892.2	854.4	817.4
25°	977.4	976.5	978.6	984.8	980.8	976.5	964.4	943.8	912.6	872.6	832.8
27.5°	871.2	877.8	889.8	904.9	919.5	930.6	933.7	929.5	910.2	877.3	835.6
30°	794.7	802.8	811.8	826.9	856.3	873.1	891.5	905.5	897.7	871.4	832.6
32.5°	710.7	712.7	726.0	743.2	770.1	802.4	831.7	860.1	869.5	855.7	823.3
35°	577.9	581.3	595.7	612.7	645.6	685.2	729.2	768.5	800.9	813.9	797.3
37.5°	471.6	481.1	491.3	509.6	538.6	574.2	619.9	670.8	719.1	751.5	757.0
40°	421.3	427.2	434.5	448.5	473.1	508.1	547.4	605.6	657.0	703.4	718.5
42.5°	381.5	385.0	389.5	402.1	420.8	455.7	491.6	542.8	594.3	649.8	675.2
45°	324.2	327.8	335.4	342.7	356.9	381.0	414.4	456.5	508.4	561.8	608.7
47.5°	282.9	285.1	289.6	297.5	309.6	325.5	352.6	387.8	435.8	487.8	537.7
50°	259.4	261.3	264.8	271.9	281.2	295.4	317.6	350.5	388.1	440.4	489.4
52.5°	240.8	241.6	244.2	249.0	256.4	268.3	286.6	313.8	348.8	395.4	444.2
55°	212.1	213.0	215.4	218.9	225.3	232.9	246.8	267.2	297.7	338.2	380.6
57.5°	188.4	189.1	191.0	192.4	197.7	203.8	214.6	229.1	252.2	286.6	324.4
60°	173.2	172.8	175.1	176.3	179.9	185.1	193.4	207.3	227.4	255.1	289.9
62.5°	158.5	157.8	159.8	161.4	163.4	167.8	174.6	185.5	201.9	226.9	257.0
65°	136.3	135.4	136.6	138.5	140.3	142.7	147.7	157.4	170.4	188.4	211.3
67.5°	114.1	115.1	115.3	116.2	117.3	120.5	123.9	130.8	140.0	154.4	173.8
70°	100.8	101.1	102.0	102.0	102.7	105.6	108.4	112.4	121.4	134.7	150.5
72.5°	87.6	88.6	88.2	88.9	89.5	91.4	93.4	97.3	104.9	114.8	128.2
75°	68.2	68.9	68.9	69.1	69.8	70.5	72.2	75.0	80.5	87.8	97.0
77.5°	49.7	49.8	50.1	51.0	51.0	52.1	53.3	55.6	58.3	63.3	69.0
80°	38.3	38.8	38.6	39.1	39.1	40.0	40.5	43.3	44.5	47.8	52.3
82.5°	28.1	28.6	28.5	29.2	29.6	29.8	30.4	31.6	32.8	35.7	37.5
85°	14.2	14.7	14.2	14.7	15.4	15.6	16.3	16.6	17.5	18.2	19.9
87.5°	6.3	6.8	6.8	6.9	7.3	7.4	7.5	7.2	7.9	8.0	8.6
90°	10.6	10.4	10.3	10.1	10.0	9.7	9.2	8.7	8.2	7.8	7.1
92.5°	9.8	9.7	9.7	9.7	9.6	9.4	8.9	8.4	8.0	7.5	6.9
95°	10.2	10.2	10.1	10.0	9.9	9.7	9.2	8.7	8.2	7.8	7.7
97.5°	9.9	9.8	9.7	9.7	9.6	9.5	9.5	9.4	9.4	9.3	18.1
100°	9.9	9.8	9.7	9.7	9.6	10.2	11.5	12.9	14.2	15.6	26.4
102.5°	10.2	10.2	10.1	10.1	10.1	17.3	31.7	46.1	60.5	74.9	76.3
105°	100.7	103.5	106.4	109.2	112.0	113.1	112.4	111.7	111.0	110.3	109.9
107.5°	140.4	140.1	139.8	139.5	139.2	138.9	138.5	138.2	137.8	137.5	136.9
110°	157.6	157.4	157.2	156.9	156.7	156.5	156.3	156.2	156.0	155.9	155.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	174.9	174.6	174.3	174.0	173.7	173.5	173.6	173.6	173.6	173.7	173.4
115°	200.0	200.0	200.0	200.0	200.0	200.0	199.8	199.6	199.5	199.3	199.4
117.5°	225.6	225.7	225.7	225.7	225.7	225.8	225.8	225.8	225.9	225.9	225.7
120°	241.7	241.9	242.0	242.2	242.4	242.4	242.2	242.0	241.9	241.7	241.8
122.5°	257.6	257.7	257.9	258.0	258.2	258.2	258.1	258.0	257.9	257.9	257.7
125°	281.3	281.2	281.2	281.1	281.0	280.8	280.6	280.4	280.1	279.9	280.1
127.5°	302.2	302.2	302.3	302.4	302.4	302.5	302.5	302.6	302.6	302.7	302.3
130°	316.3	316.3	316.3	316.3	316.3	316.3	316.2	316.1	316.0	316.0	315.7
132.5°	329.3	329.4	329.4	329.5	329.6	329.6	329.5	329.4	329.3	329.2	328.9
135°	348.8	348.7	348.5	348.3	348.2	348.0	347.9	347.7	347.6	347.4	347.1
137.5°	365.5	365.5	365.6	365.6	365.7	365.6	365.5	365.3	365.1	364.9	364.6
140°	377.1	377.0	376.9	376.9	376.8	376.6	376.4	376.1	375.9	375.7	375.5
142.5°	386.7	386.7	386.7	386.7	386.6	386.5	386.4	386.2	386.0	385.9	385.8
145°	401.5	401.3	401.2	401.0	400.8	400.7	400.7	400.6	400.5	400.4	400.4
147.5°	413.7	413.6	413.5	413.5	413.4	413.3	413.3	413.2	413.1	413.1	413.1
150°	421.6	421.5	421.5	421.4	421.3	421.3	421.3	421.3	421.3	421.3	421.3
152.5°	428.4	428.5	428.5	428.5	428.6	428.6	428.4	428.3	428.2	428.1	428.2
155°	437.5	437.8	438.0	438.2	438.5	438.4	438.1	437.8	437.5	437.2	437.4
157.5°	445.2	445.6	446.0	446.4	446.8	446.8	446.4	446.0	445.6	445.2	445.4
160°	450.2	450.7	451.2	451.7	452.1	452.1	451.7	451.2	450.7	450.2	450.3
162.5°	454.2	454.7	455.3	455.8	456.3	456.4	455.9	455.4	455.0	454.5	454.6
165°	459.8	460.5	461.2	461.9	462.6	462.7	462.0	461.4	460.8	460.1	460.1
167.5°	464.0	464.7	465.5	466.3	467.1	467.1	466.5	465.8	465.1	464.4	464.4
170°	466.5	467.3	468.1	468.9	469.6	469.7	469.1	468.5	467.8	467.2	467.1
172.5°	467.9	468.8	469.6	470.5	471.3	471.4	470.8	470.2	469.5	468.9	468.8
175°	469.7	470.6	471.6	472.5	473.5	473.6	472.9	472.2	471.5	470.7	470.7
177.5°	470.8	471.6	472.3	473.1	473.8	474.0	473.5	473.0	472.5	471.9	471.8
180°	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	589.7	587.0	585.1	583.6	579.5	577.0	575.1	572.5	569.4	566.2	562.2
5°	623.1	615.1	609.2	600.2	591.7	584.6	577.2	570.6	562.6	553.8	547.4
7.5°	658.3	646.3	631.0	617.7	602.7	589.7	578.1	566.2	553.8	541.7	530.7
10°	680.7	665.3	648.2	628.1	609.2	592.4	576.8	561.6	546.9	532.3	519.7
12.5°	704.7	685.5	660.3	636.8	615.6	593.1	574.3	555.7	538.0	522.6	508.0
15°	737.0	709.3	680.2	648.7	620.8	594.5	568.7	545.3	525.4	505.0	490.8
17.5°	756.8	722.5	689.3	656.4	622.6	589.4	561.6	534.6	509.7	489.5	471.6
20°	769.9	735.8	694.4	661.5	621.3	587.2	555.0	524.9	498.9	477.4	458.9
22.5°	781.2	741.9	700.4	657.1	617.1	580.9	545.7	515.5	488.9	466.2	448.5
25°	787.4	742.2	697.2	654.1	608.7	565.9	533.9	498.4	470.0	446.1	427.2
27.5°	788.1	739.7	688.8	641.0	594.1	554.2	513.9	482.1	452.7	427.4	409.2
30°	786.0	735.6	680.9	629.1	582.0	538.7	503.6	469.1	439.0	413.9	395.0
32.5°	779.3	726.9	670.7	615.8	567.0	524.6	488.5	455.6	426.3	401.6	381.7
35°	760.2	708.3	648.5	591.4	541.5	498.7	466.0	432.6	403.3	379.9	360.7
37.5°	730.2	683.4	622.5	563.5	514.4	471.4	439.0	408.9	382.4	358.6	339.0
40°	704.1	662.9	601.8	544.3	491.3	450.4	420.1	392.4	366.1	343.6	324.9
42.5°	674.0	638.1	581.8	520.9	469.7	428.6	399.1	374.2	349.5	328.7	310.0
45°	620.3	596.6	543.6	487.3	434.0	395.2	367.1	345.3	324.5	304.1	288.5
47.5°	558.6	546.8	502.2	448.7	398.2	359.9	335.5	315.4	297.1	279.9	266.1
50°	517.1	511.4	472.9	421.3	373.0	337.0	312.4	295.1	279.5	264.4	251.3
52.5°	476.2	476.0	441.2	394.0	349.3	314.7	290.2	274.1	260.6	248.3	236.6
55°	413.7	420.3	393.1	351.0	311.0	279.7	257.7	243.3	233.8	223.7	214.9
57.5°	356.3	367.3	344.8	307.7	274.3	245.6	226.4	215.6	205.5	199.3	192.9
60°	318.8	329.2	311.7	280.5	249.0	224.4	206.1	196.4	187.7	183.4	178.9
62.5°	285.5	294.7	281.8	252.8	225.5	201.8	186.4	177.1	171.2	166.6	163.6
65°	237.9	245.7	234.5	213.5	190.0	171.1	158.6	151.2	145.6	143.7	140.3
67.5°	192.3	199.4	193.4	175.5	156.7	142.3	132.5	125.5	122.1	120.5	118.1
70°	165.2	172.3	165.9	150.3	135.8	123.8	114.5	110.5	107.0	106.3	103.0
72.5°	142.3	147.1	140.7	128.5	116.2	106.0	98.8	94.6	92.8	91.5	89.7
75°	106.7	111.0	106.7	97.3	88.5	81.4	75.3	73.6	71.5	70.8	69.6
77.5°	75.5	79.2	76.0	70.1	63.5	58.0	54.7	52.6	52.1	50.9	51.5
80°	57.7	60.1	57.0	53.0	47.8	44.0	41.7	40.5	39.1	38.6	39.5
82.5°	41.5	42.5	40.9	38.2	34.4	31.9	30.3	28.9	28.6	28.7	28.7
85°	21.5	21.3	21.1	18.7	17.5	15.9	14.9	14.7	14.4	14.9	15.4
87.5°	8.5	8.6	8.2	7.3	6.6	5.9	5.5	5.1	5.5	5.9	6.2
90°	6.5	5.9	5.3	4.5	3.7	2.8	1.9	1.1	1.9	2.8	3.7
92.5°	6.2	5.6	5.0	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.6
95°	7.6	7.5	7.5	8.8	11.4	14.1	16.8	19.4	16.8	14.1	11.4
97.5°	26.9	35.6	44.4	47.9	46.3	44.6	42.9	41.3	42.9	44.6	46.3
100°	37.2	48.1	58.9	63.6	62.2	60.8	59.4	58.0	59.4	60.8	62.2
102.5°	77.8	79.2	80.6	80.8	79.7	78.7	77.7	76.6	77.7	78.7	79.7
105°	109.5	109.1	108.7	108.3	107.8	107.3	106.8	106.4	106.8	107.3	107.8
107.5°	136.4	135.9	135.3	135.0	134.7	134.5	134.2	134.0	134.2	134.5	134.7
110°	154.9	154.4	154.0	153.6	153.4	153.1	152.9	152.7	152.9	153.1	153.4



TEST NUMBER: P332490

CATALOG NUMBER: SA4XXDIP-C350D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	173.2	173.0	172.8	172.5	172.0	171.6	171.2	170.8	171.2	171.6	172.0
115°	199.5	199.6	199.6	199.6	199.3	199.1	198.9	198.6	198.9	199.1	199.3
117.5°	225.6	225.4	225.2	225.0	224.7	224.3	224.0	223.7	224.0	224.3	224.7
120°	241.9	242.0	242.0	241.9	241.6	241.3	241.0	240.7	241.0	241.3	241.6
122.5°	257.6	257.5	257.4	257.3	257.1	256.9	256.7	256.5	256.7	256.9	257.1
125°	280.2	280.4	280.5	280.5	280.1	279.8	279.5	279.2	279.5	279.8	280.1
127.5°	301.9	301.6	301.2	301.0	300.9	300.8	300.8	300.7	300.8	300.8	300.9
130°	315.5	315.2	315.0	314.9	314.8	314.7	314.6	314.5	314.6	314.7	314.8
132.5°	328.6	328.3	328.0	327.8	327.7	327.5	327.4	327.3	327.4	327.5	327.7
135°	346.8	346.5	346.1	346.0	346.1	346.2	346.3	346.3	346.3	346.2	346.1
137.5°	364.2	363.9	363.6	363.4	363.3	363.3	363.3	363.2	363.3	363.3	363.3
140°	375.4	375.2	375.0	374.9	374.7	374.6	374.4	374.3	374.4	374.6	374.7
142.5°	385.7	385.6	385.5	385.3	385.0	384.7	384.4	384.2	384.4	384.7	385.0
145°	400.4	400.4	400.4	400.3	400.1	399.8	399.6	399.4	399.6	399.8	400.1
147.5°	413.2	413.3	413.4	413.2	412.8	412.3	411.9	411.4	411.9	412.3	412.8
150°	421.4	421.5	421.6	421.5	421.2	420.8	420.5	420.2	420.5	420.8	421.2
152.5°	428.3	428.5	428.6	428.6	428.3	428.1	427.8	427.6	427.8	428.1	428.3
155°	437.6	437.9	438.1	438.2	438.1	438.0	438.0	437.9	438.0	438.0	438.1
157.5°	445.7	446.0	446.2	446.4	446.4	446.5	446.5	446.6	446.5	446.5	446.4
160°	450.4	450.5	450.6	450.7	451.0	451.2	451.4	451.7	451.4	451.2	451.0
162.5°	454.6	454.7	454.8	455.0	455.3	455.6	455.9	456.2	455.9	455.6	455.3
165°	460.1	460.1	460.1	460.3	460.7	461.1	461.5	461.9	461.5	461.1	460.7
167.5°	464.5	464.5	464.6	464.8	465.2	465.6	466.0	466.4	466.0	465.6	465.2
170°	467.1	467.0	466.9	467.1	467.6	468.0	468.5	469.0	468.5	468.0	467.6
172.5°	468.8	468.7	468.6	468.8	469.3	469.7	470.2	470.7	470.2	469.7	469.3
175°	470.6	470.5	470.4	470.6	471.1	471.6	472.0	472.5	472.0	471.6	471.1
177.5°	471.7	471.6	471.4	471.6	472.0	472.5	472.9	473.4	472.9	472.5	472.0
180°	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5



TEST NUMBER: P332490

CATALOG NUMBER: SA4XXDIP-C350D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	560.3	558.6	556.2	552.8	549.9	546.9	546.1	545.0	547.3	545.4	544.8
5°	542.0	537.0	530.6	523.3	519.0	512.9	511.7	509.3	506.9	506.7	504.3
7.5°	522.5	515.2	506.8	499.4	492.5	485.7	481.3	480.4	476.9	474.8	472.5
10°	510.0	501.0	491.3	484.2	476.2	469.1	464.1	461.3	458.9	456.3	453.9
12.5°	495.3	485.7	477.7	470.0	460.5	455.1	446.9	442.0	441.5	441.5	435.4
15°	478.1	468.6	456.3	445.4	440.2	429.8	425.3	419.6	416.1	412.5	409.7
17.5°	458.4	446.6	437.0	424.5	414.6	406.3	400.4	397.0	391.6	386.6	383.0
20°	446.1	433.6	423.4	410.1	399.3	389.1	384.1	379.4	375.4	371.1	367.1
22.5°	433.6	420.5	408.1	395.2	385.1	374.3	369.5	363.1	359.3	356.9	352.9
25°	413.9	399.7	385.5	373.2	362.8	353.3	347.0	342.0	337.7	335.8	333.2
27.5°	392.5	378.4	364.7	350.7	338.9	332.0	326.9	323.2	320.7	318.2	317.0
30°	378.9	364.2	349.6	336.5	325.7	318.8	314.1	311.5	309.6	308.4	307.2
32.5°	365.1	350.6	335.2	323.3	313.5	307.4	303.8	301.2	300.3	299.9	299.4
35°	342.9	328.3	314.1	303.4	294.2	291.8	288.7	287.3	286.8	288.5	289.2
37.5°	321.5	307.9	294.8	284.5	278.4	275.0	273.9	274.0	275.7	277.1	278.8
40°	307.7	294.4	282.1	273.1	267.4	265.3	264.8	266.0	267.9	269.6	271.5
42.5°	294.2	281.2	270.0	261.6	257.6	255.6	255.9	257.1	259.8	261.8	264.6
45°	273.4	262.5	251.6	244.7	241.4	241.9	241.9	244.0	246.6	249.7	252.8
47.5°	253.7	242.7	233.8	228.0	226.3	225.9	227.2	230.0	233.7	237.5	241.8
50°	240.5	230.0	222.2	217.0	215.1	215.8	217.7	220.3	224.8	229.6	234.1
52.5°	227.0	217.5	210.3	205.5	204.1	205.4	207.3	211.4	215.4	220.5	225.9
55°	206.1	198.1	192.4	188.9	188.4	189.1	191.2	195.7	201.4	207.8	213.0
57.5°	185.4	178.6	173.4	171.0	171.2	171.9	175.4	180.7	186.8	193.6	200.3
60°	171.3	165.2	160.9	159.0	159.3	160.7	165.0	169.9	177.5	184.1	191.2
62.5°	158.1	152.7	148.6	146.9	146.6	149.7	153.8	158.9	166.5	173.9	181.6
65°	136.8	132.5	129.2	128.3	129.0	131.4	136.6	143.4	149.8	157.6	165.7
67.5°	116.0	112.5	110.2	110.6	111.5	115.0	119.3	125.2	132.5	140.6	148.5
70°	102.7	99.4	97.5	97.7	99.2	103.4	107.2	113.1	120.9	129.2	135.8
72.5°	89.1	86.9	85.2	86.2	87.6	90.5	95.3	101.2	108.1	115.8	122.8
75°	68.4	68.4	67.5	68.2	70.3	73.1	76.7	82.8	89.7	95.9	101.5
77.5°	50.7	50.2	50.8	51.7	52.9	56.3	60.4	64.8	69.9	76.1	80.8
80°	38.8	39.1	40.2	41.7	42.1	44.7	49.0	53.0	57.0	62.2	66.7
82.5°	29.2	29.4	30.0	31.8	32.3	35.1	37.8	41.8	45.5	49.0	52.7
85°	15.9	15.9	17.0	17.8	18.9	20.8	22.5	24.9	28.2	30.5	34.1
87.5°	7.0	7.1	8.0	8.5	9.2	10.3	10.7	12.9	13.8	14.8	16.6
90°	4.5	5.3	5.9	6.5	7.1	7.8	8.2	8.7	9.2	9.7	10.0
92.5°	4.6	5.0	5.6	6.2	6.9	7.5	8.0	8.4	8.9	9.4	9.6
95°	8.8	7.5	7.5	7.6	7.7	7.8	8.2	8.7	9.2	9.7	9.9
97.5°	47.9	44.4	35.6	26.9	18.1	9.3	9.4	9.4	9.5	9.5	9.6
100°	63.6	58.9	48.1	37.2	26.4	15.6	14.2	12.9	11.5	10.2	9.6
102.5°	80.8	80.6	79.2	77.8	76.3	74.9	60.5	46.1	31.7	17.3	10.1
105°	108.3	108.7	109.1	109.5	109.9	110.3	111.0	111.7	112.4	113.1	112.0
107.5°	135.0	135.3	135.9	136.4	136.9	137.5	137.8	138.2	138.5	138.9	139.2
110°	153.6	154.0	154.4	154.9	155.4	155.9	156.0	156.2	156.3	156.5	156.7



TEST NUMBER: P332490

CATALOG NUMBER: SA4XXDIP-C350D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	172.5	172.8	173.0	173.2	173.4	173.7	173.6	173.6	173.6	173.5	173.7
115°	199.6	199.6	199.6	199.5	199.4	199.3	199.5	199.6	199.8	200.0	200.0
117.5°	225.0	225.2	225.4	225.6	225.7	225.9	225.9	225.8	225.8	225.8	225.7
120°	241.9	242.0	242.0	241.9	241.8	241.7	241.9	242.0	242.2	242.4	242.4
122.5°	257.3	257.4	257.5	257.6	257.7	257.9	257.9	258.0	258.1	258.2	258.2
125°	280.5	280.5	280.4	280.2	280.1	279.9	280.1	280.4	280.6	280.8	281.0
127.5°	301.0	301.2	301.6	301.9	302.3	302.7	302.6	302.6	302.5	302.5	302.4
130°	314.9	315.0	315.2	315.5	315.7	316.0	316.0	316.1	316.2	316.3	316.3
132.5°	327.8	328.0	328.3	328.6	328.9	329.2	329.3	329.4	329.5	329.6	329.6
135°	346.0	346.1	346.5	346.8	347.1	347.4	347.6	347.7	347.9	348.0	348.2
137.5°	363.4	363.6	363.9	364.2	364.6	364.9	365.1	365.3	365.5	365.6	365.7
140°	374.9	375.0	375.2	375.4	375.5	375.7	375.9	376.1	376.4	376.6	376.8
142.5°	385.3	385.5	385.6	385.7	385.8	385.9	386.0	386.2	386.4	386.5	386.6
145°	400.3	400.4	400.4	400.4	400.4	400.4	400.5	400.6	400.7	400.7	400.8
147.5°	413.2	413.4	413.3	413.2	413.1	413.1	413.1	413.2	413.3	413.3	413.4
150°	421.5	421.6	421.5	421.4	421.3	421.3	421.3	421.3	421.3	421.3	421.3
152.5°	428.6	428.6	428.5	428.3	428.2	428.1	428.2	428.3	428.4	428.6	428.6
155°	438.2	438.1	437.9	437.6	437.4	437.2	437.5	437.8	438.1	438.4	438.5
157.5°	446.4	446.2	446.0	445.7	445.4	445.2	445.6	446.0	446.4	446.8	446.8
160°	450.7	450.6	450.5	450.4	450.3	450.2	450.7	451.2	451.7	452.1	452.1
162.5°	455.0	454.8	454.7	454.6	454.6	454.5	455.0	455.4	455.9	456.4	456.3
165°	460.3	460.1	460.1	460.1	460.1	460.1	460.8	461.4	462.0	462.7	462.6
167.5°	464.8	464.6	464.5	464.5	464.4	464.4	465.1	465.8	466.5	467.1	467.1
170°	467.1	466.9	467.0	467.1	467.1	467.2	467.8	468.5	469.1	469.7	469.6
172.5°	468.8	468.6	468.7	468.8	468.8	468.9	469.5	470.2	470.8	471.4	471.3
175°	470.6	470.4	470.5	470.6	470.7	470.7	471.5	472.2	472.9	473.6	473.5
177.5°	471.6	471.4	471.6	471.7	471.8	471.9	472.5	473.0	473.5	474.0	473.8
180°	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5



TEST NUMBER: P332490

CATALOG NUMBER: SA4XXDIP-C350D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	544.4	544.1	542.7	542.5	542.7	544.1	544.4	544.8	545.4	547.3	545.0
5°	502.9	501.7	501.0	503.6	501.0	501.7	502.9	504.3	506.7	506.9	509.3
7.5°	471.6	470.7	468.6	467.9	468.6	470.7	471.6	472.5	474.8	476.9	480.4
10°	451.6	450.6	448.7	448.2	448.7	450.6	451.6	453.9	456.3	458.9	461.3
12.5°	432.2	430.4	430.0	430.5	430.0	430.4	432.2	435.4	441.5	441.5	442.0
15°	406.6	405.6	403.0	403.8	403.0	405.6	406.6	409.7	412.5	416.1	419.6
17.5°	381.3	380.2	377.0	379.8	377.0	380.2	381.3	383.0	386.6	391.6	397.0
20°	365.4	363.5	361.9	361.6	361.9	363.5	365.4	367.1	371.1	375.4	379.4
22.5°	350.3	348.6	348.4	346.9	348.4	348.6	350.3	352.9	356.9	359.3	363.1
25°	331.3	329.7	329.2	328.0	329.2	329.7	331.3	333.2	335.8	337.7	342.0
27.5°	316.8	316.0	315.1	315.5	315.1	316.0	316.8	317.0	318.2	320.7	323.2
30°	307.9	307.7	307.2	307.2	307.2	307.7	307.9	307.2	308.4	309.6	311.5
32.5°	300.5	300.5	300.8	300.8	300.8	300.5	300.5	299.4	299.9	300.3	301.2
35°	290.2	290.9	291.3	290.6	291.3	290.9	290.2	289.2	288.5	286.8	287.3
37.5°	280.8	281.5	282.2	283.0	282.2	281.5	280.8	278.8	277.1	275.7	274.0
40°	273.6	275.2	275.7	276.9	275.7	275.2	273.6	271.5	269.6	267.9	266.0
42.5°	266.8	268.6	269.8	270.1	269.8	268.6	266.8	264.6	261.8	259.8	257.1
45°	256.3	258.2	259.9	259.9	259.9	258.2	256.3	252.8	249.7	246.6	244.0
47.5°	245.5	248.2	249.9	250.3	249.9	248.2	245.5	241.8	237.5	233.7	230.0
50°	238.1	241.4	243.1	244.2	243.1	241.4	238.1	234.1	229.6	224.8	220.3
52.5°	230.9	234.2	236.4	237.0	236.4	234.2	230.9	225.9	220.5	215.4	211.4
55°	218.4	223.2	225.8	226.7	225.8	223.2	218.4	213.0	207.8	201.4	195.7
57.5°	206.7	211.1	214.1	214.8	214.1	211.1	206.7	200.3	193.6	186.8	180.7
60°	197.6	202.4	206.1	206.8	206.1	202.4	197.6	191.2	184.1	177.5	169.9
62.5°	188.3	193.3	196.7	198.5	196.7	193.3	188.3	181.6	173.9	166.5	158.9
65°	172.3	177.3	180.6	181.3	180.6	177.3	172.3	165.7	157.6	149.8	143.4
67.5°	154.8	159.8	161.9	163.3	161.9	159.8	154.8	148.5	140.6	132.5	125.2
70°	142.5	146.5	148.9	150.0	148.9	146.5	142.5	135.8	129.2	120.9	113.1
72.5°	128.5	132.7	135.4	135.7	135.4	132.7	128.5	122.8	115.8	108.1	101.2
75°	107.0	110.8	112.2	112.2	112.2	110.8	107.0	101.5	95.9	89.7	82.8
77.5°	84.7	86.6	88.4	88.8	88.4	86.6	84.7	80.8	76.1	69.9	64.8
80°	70.3	71.5	72.9	72.9	72.9	71.5	70.3	66.7	62.2	57.0	53.0
82.5°	55.5	56.5	57.9	57.7	57.9	56.5	55.5	52.7	49.0	45.5	41.8
85°	33.6	35.7	35.5	35.0	35.5	35.7	33.6	34.1	30.5	28.2	24.9
87.5°	17.2	17.4	18.0	18.4	18.0	17.4	17.2	16.6	14.8	13.8	12.9
90°	10.1	10.3	10.4	10.6	10.4	10.3	10.1	10.0	9.7	9.2	8.7
92.5°	9.7	9.7	9.7	9.8	9.7	9.7	9.7	9.6	9.4	8.9	8.4
95°	10.0	10.1	10.2	10.2	10.2	10.1	10.0	9.9	9.7	9.2	8.7
97.5°	9.7	9.7	9.8	9.9	9.8	9.7	9.7	9.6	9.5	9.5	9.4
100°	9.7	9.7	9.8	9.9	9.8	9.7	9.7	9.6	10.2	11.5	12.9
102.5°	10.1	10.1	10.2	10.2	10.2	10.1	10.1	10.1	17.3	31.7	46.1
105°	109.2	106.4	103.5	100.7	103.5	106.4	109.2	112.0	113.1	112.4	111.7
107.5°	139.5	139.8	140.1	140.4	140.1	139.8	139.5	139.2	138.9	138.5	138.2
110°	156.9	157.2	157.4	157.6	157.4	157.2	156.9	156.7	156.5	156.3	156.2



TEST NUMBER: P332490

CATALOG NUMBER: SA4XXDIP-C350D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	174.0	174.3	174.6	174.9	174.6	174.3	174.0	173.7	173.5	173.6	173.6
115°	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	199.8	199.6
117.5°	225.7	225.7	225.7	225.6	225.7	225.7	225.7	225.7	225.8	225.8	225.8
120°	242.2	242.0	241.9	241.7	241.9	242.0	242.2	242.4	242.4	242.2	242.0
122.5°	258.0	257.9	257.7	257.6	257.7	257.9	258.0	258.2	258.2	258.1	258.0
125°	281.1	281.2	281.2	281.3	281.2	281.2	281.1	281.0	280.8	280.6	280.4
127.5°	302.4	302.3	302.2	302.2	302.2	302.3	302.4	302.4	302.5	302.5	302.6
130°	316.3	316.3	316.3	316.3	316.3	316.3	316.3	316.3	316.3	316.2	316.1
132.5°	329.5	329.4	329.4	329.3	329.4	329.4	329.5	329.6	329.6	329.5	329.4
135°	348.3	348.5	348.7	348.8	348.7	348.5	348.3	348.2	348.0	347.9	347.7
137.5°	365.6	365.6	365.5	365.5	365.5	365.6	365.6	365.7	365.6	365.5	365.3
140°	376.9	376.9	377.0	377.1	377.0	376.9	376.9	376.8	376.6	376.4	376.1
142.5°	386.7	386.7	386.7	386.7	386.7	386.7	386.7	386.6	386.5	386.4	386.2
145°	401.0	401.2	401.3	401.5	401.3	401.2	401.0	400.8	400.7	400.7	400.6
147.5°	413.5	413.5	413.6	413.7	413.6	413.5	413.5	413.4	413.3	413.3	413.2
150°	421.4	421.5	421.5	421.6	421.5	421.5	421.4	421.3	421.3	421.3	421.3
152.5°	428.5	428.5	428.5	428.4	428.5	428.5	428.5	428.6	428.6	428.4	428.3
155°	438.2	438.0	437.8	437.5	437.8	438.0	438.2	438.5	438.4	438.1	437.8
157.5°	446.4	446.0	445.6	445.2	445.6	446.0	446.4	446.8	446.8	446.4	446.0
160°	451.7	451.2	450.7	450.2	450.7	451.2	451.7	452.1	452.1	451.7	451.2
162.5°	455.8	455.3	454.7	454.2	454.7	455.3	455.8	456.3	456.4	455.9	455.4
165°	461.9	461.2	460.5	459.8	460.5	461.2	461.9	462.6	462.7	462.0	461.4
167.5°	466.3	465.5	464.7	464.0	464.7	465.5	466.3	467.1	467.1	466.5	465.8
170°	468.9	468.1	467.3	466.5	467.3	468.1	468.9	469.6	469.7	469.1	468.5
172.5°	470.5	469.6	468.8	467.9	468.8	469.6	470.5	471.3	471.4	470.8	470.2
175°	472.5	471.6	470.6	469.7	470.6	471.6	472.5	473.5	473.6	472.9	472.2
177.5°	473.1	472.3	471.6	470.8	471.6	472.3	473.1	473.8	474.0	473.5	473.0
180°	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5



TEST NUMBER: P332490

CATALOG NUMBER: SA4XXDIP-C350D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	546.1	546.9	549.9	552.8	556.2	558.6	560.3	562.2	566.2	569.4	572.5
5°	511.7	512.9	519.0	523.3	530.6	537.0	542.0	547.4	553.8	562.6	570.6
7.5°	481.3	485.7	492.5	499.4	506.8	515.2	522.5	530.7	541.7	553.8	566.2
10°	464.1	469.1	476.2	484.2	491.3	501.0	510.0	519.7	532.3	546.9	561.6
12.5°	446.9	455.1	460.5	470.0	477.7	485.7	495.3	508.0	522.6	538.0	555.7
15°	425.3	429.8	440.2	445.4	456.3	468.6	478.1	490.8	505.0	525.4	545.3
17.5°	400.4	406.3	414.6	424.5	437.0	446.6	458.4	471.6	489.5	509.7	534.6
20°	384.1	389.1	399.3	410.1	423.4	433.6	446.1	458.9	477.4	498.9	524.9
22.5°	369.5	374.3	385.1	395.2	408.1	420.5	433.6	448.5	466.2	488.9	515.5
25°	347.0	353.3	362.8	373.2	385.5	399.7	413.9	427.2	446.1	470.0	498.4
27.5°	326.9	332.0	338.9	350.7	364.7	378.4	392.5	409.2	427.4	452.7	482.1
30°	314.1	318.8	325.7	336.5	349.6	364.2	378.9	395.0	413.9	439.0	469.1
32.5°	303.8	307.4	313.5	323.3	335.2	350.6	365.1	381.7	401.6	426.3	455.6
35°	288.7	291.8	294.2	303.4	314.1	328.3	342.9	360.7	379.9	403.3	432.6
37.5°	273.9	275.0	278.4	284.5	294.8	307.9	321.5	339.0	358.6	382.4	408.9
40°	264.8	265.3	267.4	273.1	282.1	294.4	307.7	324.9	343.6	366.1	392.4
42.5°	255.9	255.6	257.6	261.6	270.0	281.2	294.2	310.0	328.7	349.5	374.2
45°	241.9	241.9	241.4	244.7	251.6	262.5	273.4	288.5	304.1	324.5	345.3
47.5°	227.2	225.9	226.3	228.0	233.8	242.7	253.7	266.1	279.9	297.1	315.4
50°	217.7	215.8	215.1	217.0	222.2	230.0	240.5	251.3	264.4	279.5	295.1
52.5°	207.3	205.4	204.1	205.5	210.3	217.5	227.0	236.6	248.3	260.6	274.1
55°	191.2	189.1	188.4	188.9	192.4	198.1	206.1	214.9	223.7	233.8	243.3
57.5°	175.4	171.9	171.2	171.0	173.4	178.6	185.4	192.9	199.3	205.5	215.6
60°	165.0	160.7	159.3	159.0	160.9	165.2	171.3	178.9	183.4	187.7	196.4
62.5°	153.8	149.7	146.6	146.9	148.6	152.7	158.1	163.6	166.6	171.2	177.1
65°	136.6	131.4	129.0	128.3	129.2	132.5	136.8	140.3	143.7	145.6	151.2
67.5°	119.3	115.0	111.5	110.6	110.2	112.5	116.0	118.1	120.5	122.1	125.5
70°	107.2	103.4	99.2	97.7	97.5	99.4	102.7	103.0	106.3	107.0	110.5
72.5°	95.3	90.5	87.6	86.2	85.2	86.9	89.1	89.7	91.5	92.8	94.6
75°	76.7	73.1	70.3	68.2	67.5	68.4	68.4	69.6	70.8	71.5	73.6
77.5°	60.4	56.3	52.9	51.7	50.8	50.2	50.7	51.5	50.9	52.1	52.6
80°	49.0	44.7	42.1	41.7	40.2	39.1	38.8	39.5	38.6	39.1	40.5
82.5°	37.8	35.1	32.3	31.8	30.0	29.4	29.2	28.7	28.7	28.6	28.9
85°	22.5	20.8	18.9	17.8	17.0	15.9	15.9	15.4	14.9	14.4	14.7
87.5°	10.7	10.3	9.2	8.5	8.0	7.1	7.0	6.2	5.9	5.5	5.1
90°	8.2	7.8	7.1	6.5	5.9	5.3	4.5	3.7	2.8	1.9	1.1
92.5°	8.0	7.5	6.9	6.2	5.6	5.0	4.6	4.6	4.5	4.5	4.5
95°	8.2	7.8	7.7	7.6	7.5	7.5	8.8	11.4	14.1	16.8	19.4
97.5°	9.4	9.3	18.1	26.9	35.6	44.4	47.9	46.3	44.6	42.9	41.3
100°	14.2	15.6	26.4	37.2	48.1	58.9	63.6	62.2	60.8	59.4	58.0
102.5°	60.5	74.9	76.3	77.8	79.2	80.6	80.8	79.7	78.7	77.7	76.6
105°	111.0	110.3	109.9	109.5	109.1	108.7	108.3	107.8	107.3	106.8	106.4
107.5°	137.8	137.5	136.9	136.4	135.9	135.3	135.0	134.7	134.5	134.2	134.0
110°	156.0	155.9	155.4	154.9	154.4	154.0	153.6	153.4	153.1	152.9	152.7



TEST NUMBER: P332490

CATALOG NUMBER: SA4XXDIP-C350D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	173.6	173.7	173.4	173.2	173.0	172.8	172.5	172.0	171.6	171.2	170.8
115°	199.5	199.3	199.4	199.5	199.6	199.6	199.6	199.3	199.1	198.9	198.6
117.5°	225.9	225.9	225.7	225.6	225.4	225.2	225.0	224.7	224.3	224.0	223.7
120°	241.9	241.7	241.8	241.9	242.0	242.0	241.9	241.6	241.3	241.0	240.7
122.5°	257.9	257.9	257.7	257.6	257.5	257.4	257.3	257.1	256.9	256.7	256.5
125°	280.1	279.9	280.1	280.2	280.4	280.5	280.5	280.1	279.8	279.5	279.2
127.5°	302.6	302.7	302.3	301.9	301.6	301.2	301.0	300.9	300.8	300.8	300.7
130°	316.0	316.0	315.7	315.5	315.2	315.0	314.9	314.8	314.7	314.6	314.5
132.5°	329.3	329.2	328.9	328.6	328.3	328.0	327.8	327.7	327.5	327.4	327.3
135°	347.6	347.4	347.1	346.8	346.5	346.1	346.0	346.1	346.2	346.3	346.3
137.5°	365.1	364.9	364.6	364.2	363.9	363.6	363.4	363.3	363.3	363.3	363.2
140°	375.9	375.7	375.5	375.4	375.2	375.0	374.9	374.7	374.6	374.4	374.3
142.5°	386.0	385.9	385.8	385.7	385.6	385.5	385.3	385.0	384.7	384.4	384.2
145°	400.5	400.4	400.4	400.4	400.4	400.4	400.3	400.1	399.8	399.6	399.4
147.5°	413.1	413.1	413.1	413.2	413.3	413.4	413.2	412.8	412.3	411.9	411.4
150°	421.3	421.3	421.3	421.4	421.5	421.6	421.5	421.2	420.8	420.5	420.2
152.5°	428.2	428.1	428.2	428.3	428.5	428.6	428.6	428.3	428.1	427.8	427.6
155°	437.5	437.2	437.4	437.6	437.9	438.1	438.2	438.1	438.0	438.0	437.9
157.5°	445.6	445.2	445.4	445.7	446.0	446.2	446.4	446.4	446.5	446.5	446.6
160°	450.7	450.2	450.3	450.4	450.5	450.6	450.7	451.0	451.2	451.4	451.7
162.5°	455.0	454.5	454.6	454.6	454.7	454.8	455.0	455.3	455.6	455.9	456.2
165°	460.8	460.1	460.1	460.1	460.1	460.1	460.3	460.7	461.1	461.5	461.9
167.5°	465.1	464.4	464.4	464.5	464.5	464.6	464.8	465.2	465.6	466.0	466.4
170°	467.8	467.2	467.1	467.1	467.0	466.9	467.1	467.6	468.0	468.5	469.0
172.5°	469.5	468.9	468.8	468.8	468.7	468.6	468.8	469.3	469.7	470.2	470.7
175°	471.5	470.7	470.7	470.6	470.5	470.4	470.6	471.1	471.6	472.0	472.5
177.5°	472.5	471.9	471.8	471.7	471.6	471.4	471.6	472.0	472.5	472.9	473.4
180°	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5



TEST NUMBER: P332490

CATALOG NUMBER: SA4XXDIP-C350D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	575.1	577.0	579.5	583.6	585.1	587.0	589.7	589.5	590.2	593.1	599.1
5°	577.2	584.6	591.7	600.2	609.2	615.1	623.1	628.1	633.1	639.5	650.4
7.5°	578.1	589.7	602.7	617.7	631.0	646.3	658.3	669.6	679.8	693.2	706.2
10°	576.8	592.4	609.2	628.1	648.2	665.3	680.7	698.2	713.1	729.4	744.1
12.5°	574.3	593.1	615.6	636.8	660.3	685.5	704.7	722.4	742.2	761.0	783.7
15°	568.7	594.5	620.8	648.7	680.2	709.3	737.0	759.9	781.2	809.4	839.0
17.5°	561.6	589.4	622.6	656.4	689.3	722.5	756.8	791.3	818.2	853.2	876.3
20°	555.0	587.2	621.3	661.5	694.4	735.8	769.9	803.2	840.2	875.0	902.7
22.5°	545.7	580.9	617.1	657.1	700.4	741.9	781.2	817.4	854.4	892.2	925.7
25°	533.9	565.9	608.7	654.1	697.2	742.2	787.4	832.8	872.6	912.6	943.8
27.5°	513.9	554.2	594.1	641.0	688.8	739.7	788.1	835.6	877.3	910.2	929.5
30°	503.6	538.7	582.0	629.1	680.9	735.6	786.0	832.6	871.4	897.7	905.5
32.5°	488.5	524.6	567.0	615.8	670.7	726.9	779.3	823.3	855.7	869.5	860.1
35°	466.0	498.7	541.5	591.4	648.5	708.3	760.2	797.3	813.9	800.9	768.5
37.5°	439.0	471.4	514.4	563.5	622.5	683.4	730.2	757.0	751.5	719.1	670.8
40°	420.1	450.4	491.3	544.3	601.8	662.9	704.1	718.5	703.4	657.0	605.6
42.5°	399.1	428.6	469.7	520.9	581.8	638.1	674.0	675.2	649.8	594.3	542.8
45°	367.1	395.2	434.0	487.3	543.6	596.6	620.3	608.7	561.8	508.4	456.5
47.5°	335.5	359.9	398.2	448.7	502.2	546.8	558.6	537.7	487.8	435.8	387.8
50°	312.4	337.0	373.0	421.3	472.9	511.4	517.1	489.4	440.4	388.1	350.5
52.5°	290.2	314.7	349.3	394.0	441.2	476.0	476.2	444.2	395.4	348.8	313.8
55°	257.7	279.7	311.0	351.0	393.1	420.3	413.7	380.6	338.2	297.7	267.2
57.5°	226.4	245.6	274.3	307.7	344.8	367.3	356.3	324.4	286.6	252.2	229.1
60°	206.1	224.4	249.0	280.5	311.7	329.2	318.8	289.9	255.1	227.4	207.3
62.5°	186.4	201.8	225.5	252.8	281.8	294.7	285.5	257.0	226.9	201.9	185.5
65°	158.6	171.1	190.0	213.5	234.5	245.7	237.9	211.3	188.4	170.4	157.4
67.5°	132.5	142.3	156.7	175.5	193.4	199.4	192.3	173.8	154.4	140.0	130.8
70°	114.5	123.8	135.8	150.3	165.9	172.3	165.2	150.5	134.7	121.4	112.4
72.5°	98.8	106.0	116.2	128.5	140.7	147.1	142.3	128.2	114.8	104.9	97.3
75°	75.3	81.4	88.5	97.3	106.7	111.0	106.7	97.0	87.8	80.5	75.0
77.5°	54.7	58.0	63.5	70.1	76.0	79.2	75.5	69.0	63.3	58.3	55.6
80°	41.7	44.0	47.8	53.0	57.0	60.1	57.7	52.3	47.8	44.5	43.3
82.5°	30.3	31.9	34.4	38.2	40.9	42.5	41.5	37.5	35.7	32.8	31.6
85°	14.9	15.9	17.5	18.7	21.1	21.3	21.5	19.9	18.2	17.5	16.6
87.5°	5.5	5.9	6.6	7.3	8.2	8.6	8.5	8.6	8.0	7.9	7.2
90°	1.9	2.8	3.7	4.5	5.3	5.9	6.5	7.1	7.8	8.2	8.7
92.5°	4.5	4.5	4.6	4.6	5.0	5.6	6.2	6.9	7.5	8.0	8.4
95°	16.8	14.1	11.4	8.8	7.5	7.5	7.6	7.7	7.8	8.2	8.7
97.5°	42.9	44.6	46.3	47.9	44.4	35.6	26.9	18.1	9.3	9.4	9.4
100°	59.4	60.8	62.2	63.6	58.9	48.1	37.2	26.4	15.6	14.2	12.9
102.5°	77.7	78.7	79.7	80.8	80.6	79.2	77.8	76.3	74.9	60.5	46.1
105°	106.8	107.3	107.8	108.3	108.7	109.1	109.5	109.9	110.3	111.0	111.7
107.5°	134.2	134.5	134.7	135.0	135.3	135.9	136.4	136.9	137.5	137.8	138.2
110°	152.9	153.1	153.4	153.6	154.0	154.4	154.9	155.4	155.9	156.0	156.2



TEST NUMBER: P332490

CATALOG NUMBER: SA4XXDIP-C350D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	171.2	171.6	172.0	172.5	172.8	173.0	173.2	173.4	173.7	173.6	173.6
115°	198.9	199.1	199.3	199.6	199.6	199.6	199.5	199.4	199.3	199.5	199.6
117.5°	224.0	224.3	224.7	225.0	225.2	225.4	225.6	225.7	225.9	225.9	225.8
120°	241.0	241.3	241.6	241.9	242.0	242.0	241.9	241.8	241.7	241.9	242.0
122.5°	256.7	256.9	257.1	257.3	257.4	257.5	257.6	257.7	257.9	257.9	258.0
125°	279.5	279.8	280.1	280.5	280.5	280.4	280.2	280.1	279.9	280.1	280.4
127.5°	300.8	300.8	300.9	301.0	301.2	301.6	301.9	302.3	302.7	302.6	302.6
130°	314.6	314.7	314.8	314.9	315.0	315.2	315.5	315.7	316.0	316.0	316.1
132.5°	327.4	327.5	327.7	327.8	328.0	328.3	328.6	328.9	329.2	329.3	329.4
135°	346.3	346.2	346.1	346.0	346.1	346.5	346.8	347.1	347.4	347.6	347.7
137.5°	363.3	363.3	363.3	363.4	363.6	363.9	364.2	364.6	364.9	365.1	365.3
140°	374.4	374.6	374.7	374.9	375.0	375.2	375.4	375.5	375.7	375.9	376.1
142.5°	384.4	384.7	385.0	385.3	385.5	385.6	385.7	385.8	385.9	386.0	386.2
145°	399.6	399.8	400.1	400.3	400.4	400.4	400.4	400.4	400.4	400.5	400.6
147.5°	411.9	412.3	412.8	413.2	413.4	413.3	413.2	413.1	413.1	413.1	413.2
150°	420.5	420.8	421.2	421.5	421.6	421.5	421.4	421.3	421.3	421.3	421.3
152.5°	427.8	428.1	428.3	428.6	428.6	428.5	428.3	428.2	428.1	428.2	428.3
155°	438.0	438.0	438.1	438.2	438.1	437.9	437.6	437.4	437.2	437.5	437.8
157.5°	446.5	446.5	446.4	446.4	446.2	446.0	445.7	445.4	445.2	445.6	446.0
160°	451.4	451.2	451.0	450.7	450.6	450.5	450.4	450.3	450.2	450.7	451.2
162.5°	455.9	455.6	455.3	455.0	454.8	454.7	454.6	454.6	454.5	455.0	455.4
165°	461.5	461.1	460.7	460.3	460.1	460.1	460.1	460.1	460.1	460.8	461.4
167.5°	466.0	465.6	465.2	464.8	464.6	464.5	464.5	464.4	464.4	465.1	465.8
170°	468.5	468.0	467.6	467.1	466.9	467.0	467.1	467.1	467.2	467.8	468.5
172.5°	470.2	469.7	469.3	468.8	468.6	468.7	468.8	468.8	468.9	469.5	470.2
175°	472.0	471.6	471.1	470.6	470.4	470.5	470.6	470.7	470.7	471.5	472.2
177.5°	472.9	472.5	472.0	471.6	471.4	471.6	471.7	471.8	471.9	472.5	473.0
180°	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	602.2	602.6	604.3	605.6	606.0	607.9	608.0
5°	655.1	659.1	666.9	667.6	668.8	675.0	670.2
7.5°	717.1	727.3	734.1	740.2	742.3	745.0	744.5
10°	756.9	772.0	779.6	791.7	792.1	795.2	793.3
12.5°	796.8	814.4	828.2	830.5	840.6	842.2	844.8
15°	853.4	872.1	891.3	898.2	912.1	915.4	920.6
17.5°	906.6	925.7	939.2	956.9	962.7	970.3	965.1
20°	935.8	956.6	973.7	987.6	993.5	997.8	997.3
22.5°	953.4	974.4	988.2	998.8	1004.3	1006.1	1006.0
25°	964.4	976.5	980.8	984.8	978.6	976.5	977.4
27.5°	933.7	930.6	919.5	904.9	889.8	877.8	871.2
30°	891.5	873.1	856.3	826.9	811.8	802.8	794.7
32.5°	831.7	802.4	770.1	743.2	726.0	712.7	710.7
35°	729.2	685.2	645.6	612.7	595.7	581.3	577.9
37.5°	619.9	574.2	538.6	509.6	491.3	481.1	471.6
40°	547.4	508.1	473.1	448.5	434.5	427.2	421.3
42.5°	491.6	455.7	420.8	402.1	389.5	385.0	381.5
45°	414.4	381.0	356.9	342.7	335.4	327.8	324.2
47.5°	352.6	325.5	309.6	297.5	289.6	285.1	282.9
50°	317.6	295.4	281.2	271.9	264.8	261.3	259.4
52.5°	286.6	268.3	256.4	249.0	244.2	241.6	240.8
55°	246.8	232.9	225.3	218.9	215.4	213.0	212.1
57.5°	214.6	203.8	197.7	192.4	191.0	189.1	188.4
60°	193.4	185.1	179.9	176.3	175.1	172.8	173.2
62.5°	174.6	167.8	163.4	161.4	159.8	157.8	158.5
65°	147.7	142.7	140.3	138.5	136.6	135.4	136.3
67.5°	123.9	120.5	117.3	116.2	115.3	115.1	114.1
70°	108.4	105.6	102.7	102.0	102.0	101.1	100.8
72.5°	93.4	91.4	89.5	88.9	88.2	88.6	87.6
75°	72.2	70.5	69.8	69.1	68.9	68.9	68.2
77.5°	53.3	52.1	51.0	51.0	50.1	49.8	49.7
80°	40.5	40.0	39.1	39.1	38.6	38.8	38.3
82.5°	30.4	29.8	29.6	29.2	28.5	28.6	28.1
85°	16.3	15.6	15.4	14.7	14.2	14.7	14.2
87.5°	7.5	7.4	7.3	6.9	6.8	6.8	6.3
90°	9.2	9.7	10.0	10.1	10.3	10.4	10.6
92.5°	8.9	9.4	9.6	9.7	9.7	9.7	9.8
95°	9.2	9.7	9.9	10.0	10.1	10.2	10.2
97.5°	9.5	9.5	9.6	9.7	9.7	9.8	9.9
100°	11.5	10.2	9.6	9.7	9.7	9.8	9.9
102.5°	31.7	17.3	10.1	10.1	10.1	10.2	10.2
105°	112.4	113.1	112.0	109.2	106.4	103.5	100.7
107.5°	138.5	138.9	139.2	139.5	139.8	140.1	140.4
110°	156.3	156.5	156.7	156.9	157.2	157.4	157.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	173.6	173.5	173.7	174.0	174.3	174.6	174.9
115°	199.8	200.0	200.0	200.0	200.0	200.0	200.0
117.5°	225.8	225.8	225.7	225.7	225.7	225.7	225.6
120°	242.2	242.4	242.4	242.2	242.0	241.9	241.7
122.5°	258.1	258.2	258.2	258.0	257.9	257.7	257.6
125°	280.6	280.8	281.0	281.1	281.2	281.2	281.3
127.5°	302.5	302.5	302.4	302.4	302.3	302.2	302.2
130°	316.2	316.3	316.3	316.3	316.3	316.3	316.3
132.5°	329.5	329.6	329.6	329.5	329.4	329.4	329.3
135°	347.9	348.0	348.2	348.3	348.5	348.7	348.8
137.5°	365.5	365.6	365.7	365.6	365.6	365.5	365.5
140°	376.4	376.6	376.8	376.9	376.9	377.0	377.1
142.5°	386.4	386.5	386.6	386.7	386.7	386.7	386.7
145°	400.7	400.7	400.8	401.0	401.2	401.3	401.5
147.5°	413.3	413.3	413.4	413.5	413.5	413.6	413.7
150°	421.3	421.3	421.3	421.4	421.5	421.5	421.6
152.5°	428.4	428.6	428.6	428.5	428.5	428.5	428.4
155°	438.1	438.4	438.5	438.2	438.0	437.8	437.5
157.5°	446.4	446.8	446.8	446.4	446.0	445.6	445.2
160°	451.7	452.1	452.1	451.7	451.2	450.7	450.2
162.5°	455.9	456.4	456.3	455.8	455.3	454.7	454.2
165°	462.0	462.7	462.6	461.9	461.2	460.5	459.8
167.5°	466.5	467.1	467.1	466.3	465.5	464.7	464.0
170°	469.1	469.7	469.6	468.9	468.1	467.3	466.5
172.5°	470.8	471.4	471.3	470.5	469.6	468.8	467.9
175°	472.9	473.6	473.5	472.5	471.6	470.6	469.7
177.5°	473.5	474.0	473.8	473.1	472.3	471.6	470.8
180°	472.5	472.5	472.5	472.5	472.5	472.5	472.5

(END OF REPORT)