

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P332492

Luminaire Tested: **SA4XXDIP-C350D365U835-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332492
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-C350D365U835-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

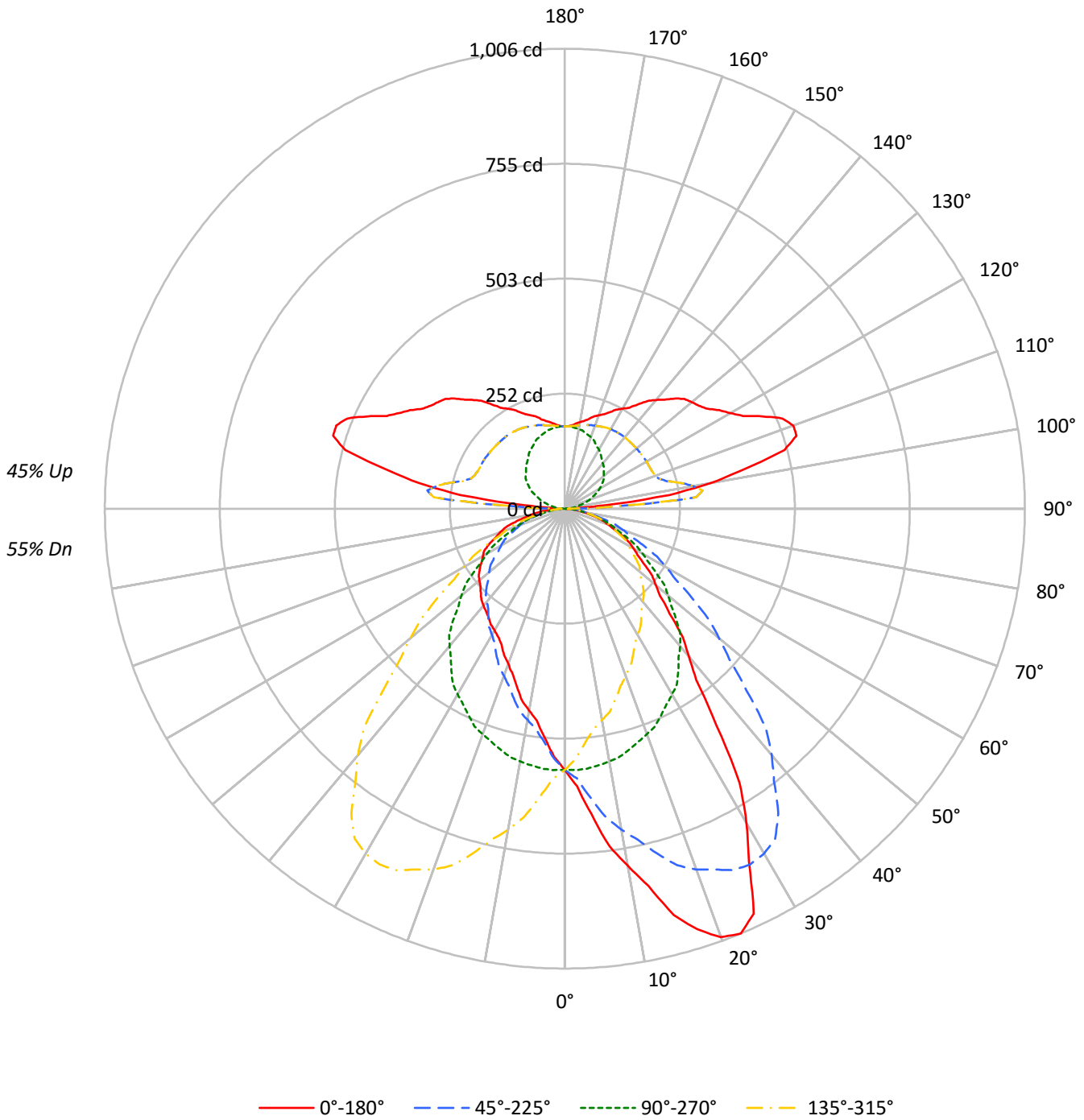
Lumens per Lamp: N/A
Luminaire Lumens: 2885.6 lumens
Efficiency: N/A
Efficacy: 142.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

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



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55				
1	99	95	91	87	92	88	85	82	76	73	71	64	63	61	54	53	51	46				
2	90	83	77	72	84	77	72	68	67	63	59	57	54	51	48	46	44	39				
3	83	73	66	60	76	68	62	57	59	54	50	50	47	44	42	40	38	34				
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	33	29				
5	70	58	50	44	64	54	47	42	47	42	37	41	36	33	34	31	28	25				
6	64	52	44	38	59	49	42	36	43	37	33	37	32	29	31	28	25	22				
7	59	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	22	20				
8	55	43	35	30	51	40	33	28	35	30	26	31	26	23	26	23	20	18				
9	51	39	32	27	48	37	30	25	32	27	23	28	24	21	24	21	18	16				
10	48	36	29	24	45	34	27	23	30	25	21	26	22	19	23	19	17	15				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	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	1.9
10°-20°	171.6	5.9
20°-30°	272.0	9.4
30°-40°	302.8	10.5
40°-50°	275.6	9.6
50°-60°	225.2	7.8
60°-70°	160.8	5.6
70°-80°	88.5	3.1
80°-90°	25.2	0.9
90°-100°	129.9	4.5
100°-110°	270.4	9.4
110°-120°	242.2	8.4
120°-130°	203.7	7.1
130°-140°	169.9	5.9
140°-150°	129.8	4.5
150°-160°	91.2	3.2
160°-170°	53.7	1.9
170°-180°	17.5	0.6
0°-30°	499.3	17.3
0°-40°	802.0	27.8
0°-60°	1302.8	45.1
0°-90°	1577.3	54.7
90°-120°	642.6	22.3
90°-150°	1146.0	39.7
90°-180°	1308.0	45.3
0°-180°	2885.6	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	17
90°	7	0	7	0	7	7
95°	86	12	86	12	86	134
105°	497	41	497	41	497	492
115°	478	73	478	73	478	474
125°	381	101	381	101	381	346
135°	341	120	341	120	341	263
145°	278	139	278	139	278	176
155°	233	158	233	158	233	109
165°	203	172	203	172	203	58
175°	183	180	183	180	183	18
180°	180	180	180	180	180	



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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°	5.6	6.2	6.3	6.4	6.7	6.9	7.0	6.8	7.4	7.7	8.3
90°	7.4	7.4	7.8	7.4	7.1	7.1	6.7	6.4	6.0	6.4	5.7
92.5°	27.2	27.2	28.4	30.3	34.5	41.6	52.2	69.4	93.4	112.1	98.1
95°	86.2	90.8	97.2	108.1	125.5	159.7	207.1	261.9	296.2	288.0	217.4
97.5°	230.5	237.9	248.5	269.7	295.1	332.0	366.6	386.9	372.1	303.4	203.4
100°	324.1	326.9	337.5	359.1	389.8	416.0	433.3	426.2	374.6	284.2	184.5
102.5°	405.5	407.8	419.0	434.6	453.4	464.3	459.3	424.3	353.4	260.1	171.8
105°	497.3	499.4	504.3	507.2	506.5	492.0	457.0	395.8	314.9	231.8	160.8
107.5°	531.3	530.4	526.9	518.8	501.4	469.8	420.6	355.5	283.8	216.0	158.8
110°	531.9	528.7	522.4	507.5	482.4	443.6	392.3	331.2	268.3	210.6	159.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	515.2	510.1	501.2	483.2	454.7	415.8	367.4	313.3	259.5	208.1	161.1
115°	477.5	474.7	463.3	442.1	414.2	380.3	338.9	295.5	251.3	206.8	164.3
117.5°	439.2	437.0	425.6	407.8	384.0	355.2	322.7	286.7	247.6	206.4	167.8
120°	417.8	413.9	404.7	389.1	369.0	343.9	315.6	282.7	245.6	206.4	170.4
122.5°	400.8	396.9	389.1	375.8	358.8	336.8	311.1	279.3	243.4	206.1	172.9
125°	381.0	378.9	372.2	361.9	347.8	328.3	303.9	273.6	239.6	205.7	176.7
127.5°	369.4	367.3	361.6	352.5	338.3	319.9	295.5	266.5	234.6	204.9	179.8
130°	362.6	360.5	354.8	346.0	331.5	312.8	288.8	260.8	231.5	204.6	182.0
132.5°	355.0	352.9	347.5	337.5	323.3	304.6	281.1	254.9	228.7	204.4	184.0
135°	340.7	338.6	332.9	323.0	308.9	291.2	269.7	246.7	224.4	203.9	187.0
137.5°	323.0	320.5	315.8	306.1	292.8	276.9	258.7	239.3	220.8	203.9	188.7
140°	310.3	307.5	302.5	294.8	282.4	267.5	251.6	235.0	218.8	203.6	190.1
142.5°	296.7	294.8	290.4	283.2	272.2	259.3	245.7	231.1	217.1	203.6	191.3
145°	278.1	276.4	272.8	266.8	258.0	248.1	237.5	225.5	214.2	202.9	191.9
147.5°	261.7	261.0	258.4	253.2	246.7	238.9	230.4	220.9	211.6	201.6	192.3
150°	252.3	252.0	249.9	245.3	239.6	233.3	226.2	218.1	209.6	200.7	192.3
152.5°	243.9	243.5	242.2	238.5	233.7	228.5	222.0	215.0	207.3	199.3	191.7
155°	232.9	232.9	231.8	229.0	225.5	221.2	215.9	210.3	203.9	197.2	190.9
157.5°	223.3	223.3	222.7	220.5	217.9	214.5	210.0	205.3	200.5	195.0	189.9
160°	217.4	217.4	217.0	214.9	212.8	209.9	206.0	202.2	197.9	193.3	189.1
162.5°	211.7	212.0	211.6	209.5	208.0	205.4	202.4	199.1	195.7	191.6	188.2
165°	203.2	203.6	203.9	202.5	201.1	199.3	196.9	194.7	191.9	189.1	186.6
167.5°	196.5	196.8	196.9	195.9	195.2	194.2	192.2	190.6	188.5	186.5	184.9
170°	192.3	192.3	192.6	192.3	191.6	190.5	189.1	188.0	186.3	184.8	183.8
172.5°	188.0	188.6	188.9	188.6	188.2	187.4	186.5	185.8	184.3	183.1	182.7
175°	183.1	183.8	184.5	183.8	183.8	183.8	183.1	182.7	182.0	181.3	181.3
177.5°	180.2	180.7	181.3	181.0	181.3	181.0	181.0	180.7	180.5	180.2	180.2
180°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9



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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°	8.2	8.4	7.8	7.0	6.4	5.7	5.3	5.0	5.3	5.7	6.0
90°	4.9	4.9	2.8	2.8	2.5	2.1	1.1	0.4	1.1	2.1	2.5
92.5°	71.4	44.0	26.0	18.7	13.5	9.2	5.9	4.0	5.9	9.2	13.5
95°	132.9	74.9	44.2	29.3	20.9	16.3	12.7	11.7	12.7	16.3	20.9
97.5°	119.5	71.6	47.9	35.5	28.2	24.0	20.9	20.9	20.9	24.0	28.2
100°	112.4	72.5	51.6	40.3	33.6	29.3	26.9	26.9	26.9	29.3	33.6
102.5°	110.4	75.3	56.4	45.7	39.2	35.3	33.1	32.5	33.1	35.3	39.2
105°	111.3	82.0	65.0	54.8	48.4	44.2	42.4	41.4	42.4	44.2	48.4
107.5°	116.6	89.8	74.3	64.2	58.1	53.6	51.8	51.1	51.8	53.6	58.1
110°	120.5	95.8	80.2	70.7	64.3	60.1	58.3	57.6	58.3	60.1	64.3



TEST NUMBER: P332492

CATALOG NUMBER: SA4XXDIP-C350D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	124.8	101.4	86.4	76.9	70.5	66.6	64.5	63.8	64.5	66.6	70.5
115°	131.5	110.3	96.1	86.6	79.9	76.3	73.9	72.8	73.9	76.3	79.9
117.5°	138.3	118.8	105.4	95.5	89.2	85.3	83.1	82.1	83.1	85.3	89.2
120°	143.1	124.8	111.3	101.4	95.4	91.5	89.1	88.4	89.1	91.5	95.4
122.5°	147.7	130.4	117.0	107.4	100.8	97.2	94.7	94.0	94.7	97.2	100.8
125°	154.4	138.2	125.5	115.6	108.9	105.0	102.8	101.4	102.8	105.0	108.9
127.5°	160.3	145.4	133.1	123.1	116.1	111.7	109.1	108.0	109.1	111.7	116.1
130°	164.0	150.2	138.2	127.9	121.2	115.9	113.1	111.7	113.1	115.9	121.2
132.5°	167.7	154.2	142.1	132.5	125.2	120.2	116.5	115.4	116.5	120.2	125.2
135°	172.5	159.7	148.1	138.9	131.5	125.5	121.9	120.5	121.9	125.5	131.5
137.5°	175.9	164.0	153.1	144.3	136.6	130.9	127.0	125.7	127.0	130.9	136.6
140°	178.1	166.8	156.2	147.7	140.3	134.3	130.4	129.4	130.4	134.3	140.3
142.5°	179.8	169.4	159.0	150.8	143.7	138.0	134.4	133.3	134.4	138.0	143.7
145°	181.7	172.1	162.9	155.2	148.4	143.5	140.0	138.9	140.0	143.5	148.4
147.5°	183.3	174.9	166.3	159.3	153.7	148.7	145.5	145.2	145.5	148.7	153.7
150°	184.1	176.4	168.6	161.9	156.6	152.3	149.5	149.1	149.5	152.3	156.6
152.5°	184.7	177.5	170.6	164.4	159.7	155.7	152.9	152.8	152.9	155.7	159.7
155°	185.2	179.2	173.2	167.9	164.0	160.5	158.3	158.0	158.3	160.5	164.0
157.5°	185.2	180.4	175.3	171.1	167.7	165.0	163.0	163.0	163.0	165.0	167.7
160°	185.2	181.0	176.7	172.8	170.0	167.5	166.1	166.1	166.1	167.5	170.0
162.5°	185.2	181.5	177.6	174.5	172.0	169.8	168.7	168.9	168.7	169.8	172.0
165°	184.5	181.7	178.5	176.4	174.6	172.8	172.1	172.1	172.1	172.8	174.6
167.5°	183.6	181.6	179.3	177.6	176.6	175.3	174.9	175.3	174.9	175.3	176.6
170°	183.1	181.3	179.5	178.5	177.8	176.7	176.4	176.7	176.4	176.7	177.8
172.5°	182.5	181.0	179.8	179.0	178.6	177.8	177.8	178.1	177.8	177.8	178.6
175°	181.7	180.6	179.9	179.9	179.5	179.2	179.2	179.5	179.2	179.2	179.5
177.5°	180.7	180.2	179.9	179.9	179.9	179.6	179.9	180.2	179.9	179.6	179.9
180°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9



TEST NUMBER: P332492

CATALOG NUMBER: SA4XXDIP-C350D365U835-4F0-1E-UDD-A4

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°	6.6	6.6	7.8	8.2	8.9	10.0	10.3	12.4	13.3	14.3	16.0
90°	2.8	2.8	4.9	4.9	5.7	6.4	6.0	6.4	6.7	7.1	7.1
92.5°	18.7	26.0	44.0	71.4	98.1	112.1	93.4	69.4	52.2	41.6	34.5
95°	29.3	44.2	74.9	132.9	217.4	288.0	296.2	261.9	207.1	159.7	125.5
97.5°	35.5	47.9	71.6	119.5	203.4	303.4	372.1	386.9	366.6	332.0	295.1
100°	40.3	51.6	72.5	112.4	184.5	284.2	374.6	426.2	433.3	416.0	389.8
102.5°	45.7	56.4	75.3	110.4	171.8	260.1	353.4	424.3	459.3	464.3	453.4
105°	54.8	65.0	82.0	111.3	160.8	231.8	314.9	395.8	457.0	492.0	506.5
107.5°	64.2	74.3	89.8	116.6	158.8	216.0	283.8	355.5	420.6	469.8	501.4
110°	70.7	80.2	95.8	120.5	159.4	210.6	268.3	331.2	392.3	443.6	482.4



TEST NUMBER: P332492

CATALOG NUMBER: SA4XXDIP-C350D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	76.9	86.4	101.4	124.8	161.1	208.1	259.5	313.3	367.4	415.8	454.7
115°	86.6	96.1	110.3	131.5	164.3	206.8	251.3	295.5	338.9	380.3	414.2
117.5°	95.5	105.4	118.8	138.3	167.8	206.4	247.6	286.7	322.7	355.2	384.0
120°	101.4	111.3	124.8	143.1	170.4	206.4	245.6	282.7	315.6	343.9	369.0
122.5°	107.4	117.0	130.4	147.7	172.9	206.1	243.4	279.3	311.1	336.8	358.8
125°	115.6	125.5	138.2	154.4	176.7	205.7	239.6	273.6	303.9	328.3	347.8
127.5°	123.1	133.1	145.4	160.3	179.8	204.9	234.6	266.5	295.5	319.9	338.3
130°	127.9	138.2	150.2	164.0	182.0	204.6	231.5	260.8	288.8	312.8	331.5
132.5°	132.5	142.1	154.2	167.7	184.0	204.4	228.7	254.9	281.1	304.6	323.3
135°	138.9	148.1	159.7	172.5	187.0	203.9	224.4	246.7	269.7	291.2	308.9
137.5°	144.3	153.1	164.0	175.9	188.7	203.9	220.8	239.3	258.7	276.9	292.8
140°	147.7	156.2	166.8	178.1	190.1	203.6	218.8	235.0	251.6	267.5	282.4
142.5°	150.8	159.0	169.4	179.8	191.3	203.6	217.1	231.1	245.7	259.3	272.2
145°	155.2	162.9	172.1	181.7	191.9	202.9	214.2	225.5	237.5	248.1	258.0
147.5°	159.3	166.3	174.9	183.3	192.3	201.6	211.6	220.9	230.4	238.9	246.7
150°	161.9	168.6	176.4	184.1	192.3	200.7	209.6	218.1	226.2	233.3	239.6
152.5°	164.4	170.6	177.5	184.7	191.7	199.3	207.3	215.0	222.0	228.5	233.7
155°	167.9	173.2	179.2	185.2	190.9	197.2	203.9	210.3	215.9	221.2	225.5
157.5°	171.1	175.3	180.4	185.2	189.9	195.0	200.5	205.3	210.0	214.5	217.9
160°	172.8	176.7	181.0	185.2	189.1	193.3	197.9	202.2	206.0	209.9	212.8
162.5°	174.5	177.6	181.5	185.2	188.2	191.6	195.7	199.1	202.4	205.4	208.0
165°	176.4	178.5	181.7	184.5	186.6	189.1	191.9	194.7	196.9	199.3	201.1
167.5°	177.6	179.3	181.6	183.6	184.9	186.5	188.5	190.6	192.2	194.2	195.2
170°	178.5	179.5	181.3	183.1	183.8	184.8	186.3	188.0	189.1	190.5	191.6
172.5°	179.0	179.8	181.0	182.5	182.7	183.1	184.3	185.8	186.5	187.4	188.2
175°	179.9	179.9	180.6	181.7	181.3	181.3	182.0	182.7	183.1	183.8	183.8
177.5°	179.9	179.9	180.2	180.7	180.2	180.2	180.5	180.7	181.0	181.0	181.3
180°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9



TEST NUMBER: P332492

CATALOG NUMBER: SA4XXDIP-C350D365U835-4F0-1E-UDD-A4

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°	16.6	16.9	17.4	17.8	17.4	16.9	16.6	16.0	14.3	13.3	12.4
90°	7.4	7.8	7.4	7.4	7.4	7.8	7.4	7.1	7.1	6.7	6.4
92.5°	30.3	28.4	27.2	27.2	27.2	28.4	30.3	34.5	41.6	52.2	69.4
95°	108.1	97.2	90.8	86.2	90.8	97.2	108.1	125.5	159.7	207.1	261.9
97.5°	269.7	248.5	237.9	230.5	237.9	248.5	269.7	295.1	332.0	366.6	386.9
100°	359.1	337.5	326.9	324.1	326.9	337.5	359.1	389.8	416.0	433.3	426.2
102.5°	434.6	419.0	407.8	405.5	407.8	419.0	434.6	453.4	464.3	459.3	424.3
105°	507.2	504.3	499.4	497.3	499.4	504.3	507.2	506.5	492.0	457.0	395.8
107.5°	518.8	526.9	530.4	531.3	530.4	526.9	518.8	501.4	469.8	420.6	355.5
110°	507.5	522.4	528.7	531.9	528.7	522.4	507.5	482.4	443.6	392.3	331.2



TEST NUMBER: P332492

CATALOG NUMBER: SA4XXDIP-C350D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	483.2	501.2	510.1	515.2	510.1	501.2	483.2	454.7	415.8	367.4	313.3
115°	442.1	463.3	474.7	477.5	474.7	463.3	442.1	414.2	380.3	338.9	295.5
117.5°	407.8	425.6	437.0	439.2	437.0	425.6	407.8	384.0	355.2	322.7	286.7
120°	389.1	404.7	413.9	417.8	413.9	404.7	389.1	369.0	343.9	315.6	282.7
122.5°	375.8	389.1	396.9	400.8	396.9	389.1	375.8	358.8	336.8	311.1	279.3
125°	361.9	372.2	378.9	381.0	378.9	372.2	361.9	347.8	328.3	303.9	273.6
127.5°	352.5	361.6	367.3	369.4	367.3	361.6	352.5	338.3	319.9	295.5	266.5
130°	346.0	354.8	360.5	362.6	360.5	354.8	346.0	331.5	312.8	288.8	260.8
132.5°	337.5	347.5	352.9	355.0	352.9	347.5	337.5	323.3	304.6	281.1	254.9
135°	323.0	332.9	338.6	340.7	338.6	332.9	323.0	308.9	291.2	269.7	246.7
137.5°	306.1	315.8	320.5	323.0	320.5	315.8	306.1	292.8	276.9	258.7	239.3
140°	294.8	302.5	307.5	310.3	307.5	302.5	294.8	282.4	267.5	251.6	235.0
142.5°	283.2	290.4	294.8	296.7	294.8	290.4	283.2	272.2	259.3	245.7	231.1
145°	266.8	272.8	276.4	278.1	276.4	272.8	266.8	258.0	248.1	237.5	225.5
147.5°	253.2	258.4	261.0	261.7	261.0	258.4	253.2	246.7	238.9	230.4	220.9
150°	245.3	249.9	252.0	252.3	252.0	249.9	245.3	239.6	233.3	226.2	218.1
152.5°	238.5	242.2	243.5	243.9	243.5	242.2	238.5	233.7	228.5	222.0	215.0
155°	229.0	231.8	232.9	232.9	232.9	231.8	229.0	225.5	221.2	215.9	210.3
157.5°	220.5	222.7	223.3	223.3	223.3	222.7	220.5	217.9	214.5	210.0	205.3
160°	214.9	217.0	217.4	217.4	217.4	217.0	214.9	212.8	209.9	206.0	202.2
162.5°	209.5	211.6	212.0	211.7	212.0	211.6	209.5	208.0	205.4	202.4	199.1
165°	202.5	203.9	203.6	203.2	203.6	203.9	202.5	201.1	199.3	196.9	194.7
167.5°	195.9	196.9	196.8	196.5	196.8	196.9	195.9	195.2	194.2	192.2	190.6
170°	192.3	192.6	192.3	192.3	192.3	192.6	192.3	191.6	190.5	189.1	188.0
172.5°	188.6	188.9	188.6	188.0	188.6	188.9	188.6	188.2	187.4	186.5	185.8
175°	183.8	184.5	183.8	183.1	183.8	184.5	183.8	183.8	183.8	183.1	182.7
177.5°	181.0	181.3	180.7	180.2	180.7	181.3	181.0	181.3	181.0	181.0	180.7
180°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9



TEST NUMBER: P332492

CATALOG NUMBER: SA4XXDIP-C350D365U835-4F0-1E-UDD-A4

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°	10.3	10.0	8.9	8.2	7.8	6.6	6.6	6.0	5.7	5.3	5.0
90°	6.0	6.4	5.7	4.9	4.9	2.8	2.8	2.5	2.1	1.1	0.4
92.5°	93.4	112.1	98.1	71.4	44.0	26.0	18.7	13.5	9.2	5.9	4.0
95°	296.2	288.0	217.4	132.9	74.9	44.2	29.3	20.9	16.3	12.7	11.7
97.5°	372.1	303.4	203.4	119.5	71.6	47.9	35.5	28.2	24.0	20.9	20.9
100°	374.6	284.2	184.5	112.4	72.5	51.6	40.3	33.6	29.3	26.9	26.9
102.5°	353.4	260.1	171.8	110.4	75.3	56.4	45.7	39.2	35.3	33.1	32.5
105°	314.9	231.8	160.8	111.3	82.0	65.0	54.8	48.4	44.2	42.4	41.4
107.5°	283.8	216.0	158.8	116.6	89.8	74.3	64.2	58.1	53.6	51.8	51.1
110°	268.3	210.6	159.4	120.5	95.8	80.2	70.7	64.3	60.1	58.3	57.6



TEST NUMBER: P332492

CATALOG NUMBER: SA4XXDIP-C350D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	259.5	208.1	161.1	124.8	101.4	86.4	76.9	70.5	66.6	64.5	63.8
115°	251.3	206.8	164.3	131.5	110.3	96.1	86.6	79.9	76.3	73.9	72.8
117.5°	247.6	206.4	167.8	138.3	118.8	105.4	95.5	89.2	85.3	83.1	82.1
120°	245.6	206.4	170.4	143.1	124.8	111.3	101.4	95.4	91.5	89.1	88.4
122.5°	243.4	206.1	172.9	147.7	130.4	117.0	107.4	100.8	97.2	94.7	94.0
125°	239.6	205.7	176.7	154.4	138.2	125.5	115.6	108.9	105.0	102.8	101.4
127.5°	234.6	204.9	179.8	160.3	145.4	133.1	123.1	116.1	111.7	109.1	108.0
130°	231.5	204.6	182.0	164.0	150.2	138.2	127.9	121.2	115.9	113.1	111.7
132.5°	228.7	204.4	184.0	167.7	154.2	142.1	132.5	125.2	120.2	116.5	115.4
135°	224.4	203.9	187.0	172.5	159.7	148.1	138.9	131.5	125.5	121.9	120.5
137.5°	220.8	203.9	188.7	175.9	164.0	153.1	144.3	136.6	130.9	127.0	125.7
140°	218.8	203.6	190.1	178.1	166.8	156.2	147.7	140.3	134.3	130.4	129.4
142.5°	217.1	203.6	191.3	179.8	169.4	159.0	150.8	143.7	138.0	134.4	133.3
145°	214.2	202.9	191.9	181.7	172.1	162.9	155.2	148.4	143.5	140.0	138.9
147.5°	211.6	201.6	192.3	183.3	174.9	166.3	159.3	153.7	148.7	145.5	145.2
150°	209.6	200.7	192.3	184.1	176.4	168.6	161.9	156.6	152.3	149.5	149.1
152.5°	207.3	199.3	191.7	184.7	177.5	170.6	164.4	159.7	155.7	152.9	152.8
155°	203.9	197.2	190.9	185.2	179.2	173.2	167.9	164.0	160.5	158.3	158.0
157.5°	200.5	195.0	189.9	185.2	180.4	175.3	171.1	167.7	165.0	163.0	163.0
160°	197.9	193.3	189.1	185.2	181.0	176.7	172.8	170.0	167.5	166.1	166.1
162.5°	195.7	191.6	188.2	185.2	181.5	177.6	174.5	172.0	169.8	168.7	168.9
165°	191.9	189.1	186.6	184.5	181.7	178.5	176.4	174.6	172.8	172.1	172.1
167.5°	188.5	186.5	184.9	183.6	181.6	179.3	177.6	176.6	175.3	174.9	175.3
170°	186.3	184.8	183.8	183.1	181.3	179.5	178.5	177.8	176.7	176.4	176.7
172.5°	184.3	183.1	182.7	182.5	181.0	179.8	179.0	178.6	177.8	177.8	178.1
175°	182.0	181.3	181.3	181.7	180.6	179.9	179.9	179.5	179.2	179.2	179.5
177.5°	180.5	180.2	180.2	180.7	180.2	179.9	179.9	179.9	179.6	179.9	180.2
180°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9



TEST NUMBER: P332492

CATALOG NUMBER: SA4XXDIP-C350D365U835-4F0-1E-UDD-A4

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°	5.3	5.7	6.4	7.0	7.8	8.4	8.2	8.3	7.7	7.4	6.8
90°	1.1	2.1	2.5	2.8	2.8	4.9	4.9	5.7	6.4	6.0	6.4
92.5°	5.9	9.2	13.5	18.7	26.0	44.0	71.4	98.1	112.1	93.4	69.4
95°	12.7	16.3	20.9	29.3	44.2	74.9	132.9	217.4	288.0	296.2	261.9
97.5°	20.9	24.0	28.2	35.5	47.9	71.6	119.5	203.4	303.4	372.1	386.9
100°	26.9	29.3	33.6	40.3	51.6	72.5	112.4	184.5	284.2	374.6	426.2
102.5°	33.1	35.3	39.2	45.7	56.4	75.3	110.4	171.8	260.1	353.4	424.3
105°	42.4	44.2	48.4	54.8	65.0	82.0	111.3	160.8	231.8	314.9	395.8
107.5°	51.8	53.6	58.1	64.2	74.3	89.8	116.6	158.8	216.0	283.8	355.5
110°	58.3	60.1	64.3	70.7	80.2	95.8	120.5	159.4	210.6	268.3	331.2



TEST NUMBER: P332492

CATALOG NUMBER: SA4XXDIP-C350D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	64.5	66.6	70.5	76.9	86.4	101.4	124.8	161.1	208.1	259.5	313.3
115°	73.9	76.3	79.9	86.6	96.1	110.3	131.5	164.3	206.8	251.3	295.5
117.5°	83.1	85.3	89.2	95.5	105.4	118.8	138.3	167.8	206.4	247.6	286.7
120°	89.1	91.5	95.4	101.4	111.3	124.8	143.1	170.4	206.4	245.6	282.7
122.5°	94.7	97.2	100.8	107.4	117.0	130.4	147.7	172.9	206.1	243.4	279.3
125°	102.8	105.0	108.9	115.6	125.5	138.2	154.4	176.7	205.7	239.6	273.6
127.5°	109.1	111.7	116.1	123.1	133.1	145.4	160.3	179.8	204.9	234.6	266.5
130°	113.1	115.9	121.2	127.9	138.2	150.2	164.0	182.0	204.6	231.5	260.8
132.5°	116.5	120.2	125.2	132.5	142.1	154.2	167.7	184.0	204.4	228.7	254.9
135°	121.9	125.5	131.5	138.9	148.1	159.7	172.5	187.0	203.9	224.4	246.7
137.5°	127.0	130.9	136.6	144.3	153.1	164.0	175.9	188.7	203.9	220.8	239.3
140°	130.4	134.3	140.3	147.7	156.2	166.8	178.1	190.1	203.6	218.8	235.0
142.5°	134.4	138.0	143.7	150.8	159.0	169.4	179.8	191.3	203.6	217.1	231.1
145°	140.0	143.5	148.4	155.2	162.9	172.1	181.7	191.9	202.9	214.2	225.5
147.5°	145.5	148.7	153.7	159.3	166.3	174.9	183.3	192.3	201.6	211.6	220.9
150°	149.5	152.3	156.6	161.9	168.6	176.4	184.1	192.3	200.7	209.6	218.1
152.5°	152.9	155.7	159.7	164.4	170.6	177.5	184.7	191.7	199.3	207.3	215.0
155°	158.3	160.5	164.0	167.9	173.2	179.2	185.2	190.9	197.2	203.9	210.3
157.5°	163.0	165.0	167.7	171.1	175.3	180.4	185.2	189.9	195.0	200.5	205.3
160°	166.1	167.5	170.0	172.8	176.7	181.0	185.2	189.1	193.3	197.9	202.2
162.5°	168.7	169.8	172.0	174.5	177.6	181.5	185.2	188.2	191.6	195.7	199.1
165°	172.1	172.8	174.6	176.4	178.5	181.7	184.5	186.6	189.1	191.9	194.7
167.5°	174.9	175.3	176.6	177.6	179.3	181.6	183.6	184.9	186.5	188.5	190.6
170°	176.4	176.7	177.8	178.5	179.5	181.3	183.1	183.8	184.8	186.3	188.0
172.5°	177.8	177.8	178.6	179.0	179.8	181.0	182.5	182.7	183.1	184.3	185.8
175°	179.2	179.2	179.5	179.9	179.9	180.6	181.7	181.3	181.3	182.0	182.7
177.5°	179.9	179.6	179.9	179.9	179.9	180.2	180.7	180.2	180.2	180.5	180.7
180°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9



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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°	7.0	6.9	6.7	6.4	6.3	6.2	5.6
90°	6.7	7.1	7.1	7.4	7.8	7.4	7.4
92.5°	52.2	41.6	34.5	30.3	28.4	27.2	27.2
95°	207.1	159.7	125.5	108.1	97.2	90.8	86.2
97.5°	366.6	332.0	295.1	269.7	248.5	237.9	230.5
100°	433.3	416.0	389.8	359.1	337.5	326.9	324.1
102.5°	459.3	464.3	453.4	434.6	419.0	407.8	405.5
105°	457.0	492.0	506.5	507.2	504.3	499.4	497.3
107.5°	420.6	469.8	501.4	518.8	526.9	530.4	531.3
110°	392.3	443.6	482.4	507.5	522.4	528.7	531.9



TEST NUMBER: P332492

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	367.4	415.8	454.7	483.2	501.2	510.1	515.2
115°	338.9	380.3	414.2	442.1	463.3	474.7	477.5
117.5°	322.7	355.2	384.0	407.8	425.6	437.0	439.2
120°	315.6	343.9	369.0	389.1	404.7	413.9	417.8
122.5°	311.1	336.8	358.8	375.8	389.1	396.9	400.8
125°	303.9	328.3	347.8	361.9	372.2	378.9	381.0
127.5°	295.5	319.9	338.3	352.5	361.6	367.3	369.4
130°	288.8	312.8	331.5	346.0	354.8	360.5	362.6
132.5°	281.1	304.6	323.3	337.5	347.5	352.9	355.0
135°	269.7	291.2	308.9	323.0	332.9	338.6	340.7
137.5°	258.7	276.9	292.8	306.1	315.8	320.5	323.0
140°	251.6	267.5	282.4	294.8	302.5	307.5	310.3
142.5°	245.7	259.3	272.2	283.2	290.4	294.8	296.7
145°	237.5	248.1	258.0	266.8	272.8	276.4	278.1
147.5°	230.4	238.9	246.7	253.2	258.4	261.0	261.7
150°	226.2	233.3	239.6	245.3	249.9	252.0	252.3
152.5°	222.0	228.5	233.7	238.5	242.2	243.5	243.9
155°	215.9	221.2	225.5	229.0	231.8	232.9	232.9
157.5°	210.0	214.5	217.9	220.5	222.7	223.3	223.3
160°	206.0	209.9	212.8	214.9	217.0	217.4	217.4
162.5°	202.4	205.4	208.0	209.5	211.6	212.0	211.7
165°	196.9	199.3	201.1	202.5	203.9	203.6	203.2
167.5°	192.2	194.2	195.2	195.9	196.9	196.8	196.5
170°	189.1	190.5	191.6	192.3	192.6	192.3	192.3
172.5°	186.5	187.4	188.2	188.6	188.9	188.6	188.0
175°	183.1	183.8	183.8	183.8	184.5	183.8	183.1
177.5°	181.0	181.0	181.3	181.0	181.3	180.7	180.2
180°	179.9	179.9	179.9	179.9	179.9	179.9	179.9

(END OF REPORT)