

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: P332867-840

Luminaire Tested: **SA4XXRDIP-C350D365U840-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332867-840  
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-C350D365U840-4F0-1E-UDD-A4  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

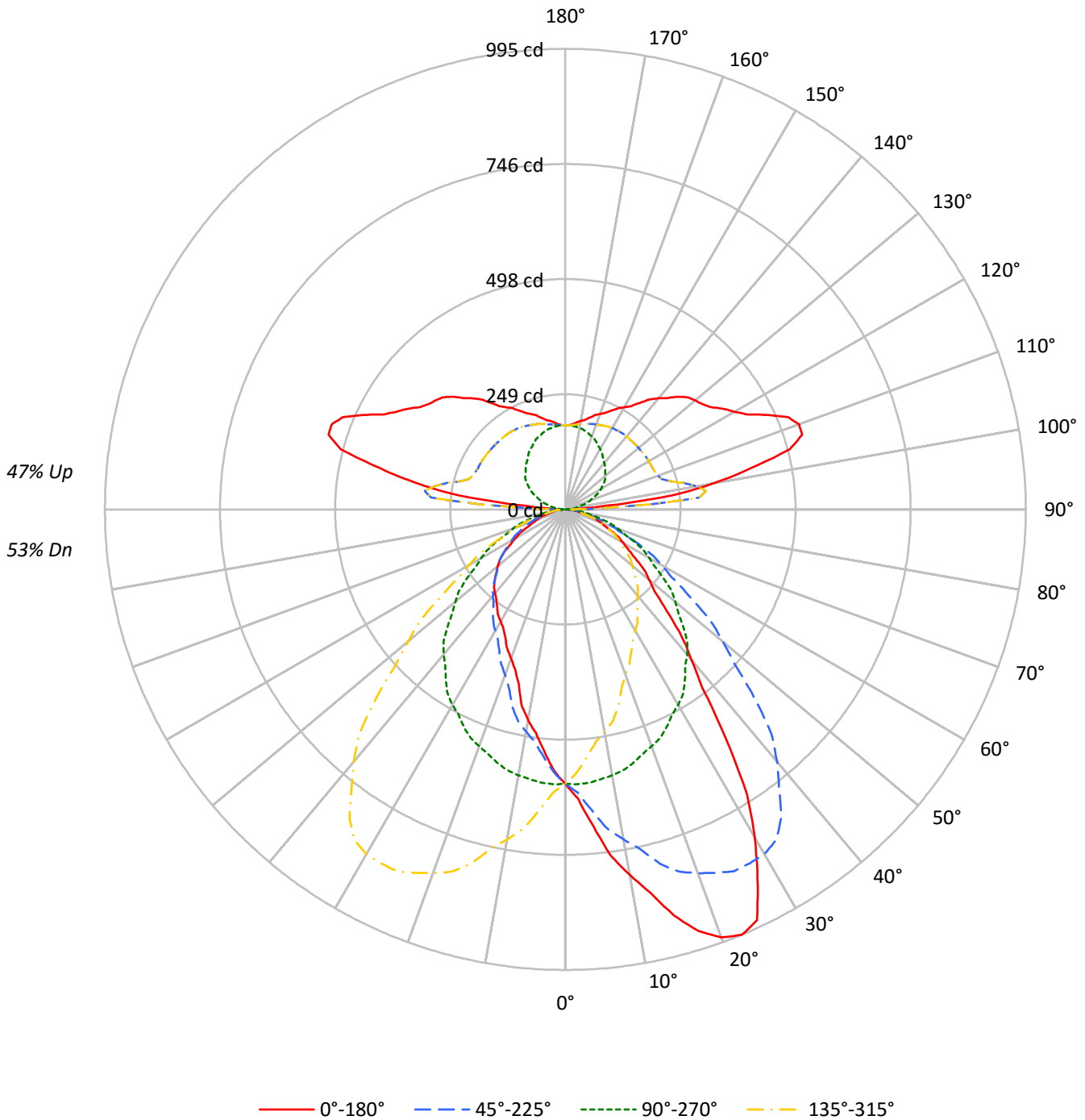
Lumens per Lamp: N/A  
Luminaire Lumens: 2821.7 lumens  
Efficiency: N/A  
Efficacy: 139.0 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse

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	85	85	85	72	72	72	59	59	59	53				53
1	99	95	91	88	92	88	85	82	75	73	71	64	62	61	53	52	51	46				46
2	91	83	77	72	84	78	72	68	67	63	60	57	54	51	47	45	44	39				39
3	83	74	67	61	77	69	62	57	59	54	51	50	47	44	42	40	38	34				34
4	76	66	58	52	70	61	54	49	53	48	43	45	41	38	38	35	33	29				29
5	70	59	51	45	65	55	48	42	47	42	38	41	37	33	34	31	29	26				26
6	65	53	45	39	60	49	42	37	43	37	33	37	33	29	31	28	26	23				23
7	60	48	40	34	55	45	38	33	39	33	29	34	29	26	29	25	23	20				20
8	56	43	36	31	51	41	34	29	36	30	26	31	27	23	26	23	21	18				18
9	52	40	32	27	48	37	31	26	33	27	24	28	24	21	24	21	19	17				17
10	48	36	29	25	45	34	28	23	30	25	21	26	22	19	23	19	17	15				15

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

	0°	90°	180°	270°
0°	4789	4789	4789	4789
5°	5555	4803	4246	4803
10°	6571	4782	3789	4782
15°	7590	4738	3256	4738
20°	8451	4677	2944	4677
25°	8725	4618	2734	4618
30°	7637	4545	2606	4545
35°	5945	4438	2530	4438
40°	4458	4314	2488	4314
45°	3520	4117	2466	4117
50°	2972	3890	2396	3890
55°	2590	3640	2267	3640
60°	2330	3379	2007	3379
65°	2055	3100	1727	3100
70°	1851	2811	1555	2811
75°	1550	2489	1326	2489
80°	1311	2120	1246	2120
85°	1102	1667	1102	1667



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.5	2.0
10°-20°	173.4	6.1
20°-30°	271.2	9.6
30°-40°	301.5	10.7
40°-50°	267.5	9.5
50°-60°	208.4	7.4
60°-70°	136.5	4.8
70°-80°	67.1	2.4
80°-90°	17.6	0.6
90°-100°	131.2	4.7
100°-110°	273.1	9.7
110°-120°	244.6	8.7
120°-130°	205.8	7.3
130°-140°	171.6	6.1
140°-150°	131.1	4.6
150°-160°	92.1	3.3
160°-170°	54.2	1.9
170°-180°	17.6	0.6
0°-30°	502.0	17.8
0°-40°	803.5	28.5
0°-60°	1279.4	45.3
0°-90°	1500.5	53.2
90°-120°	648.9	23.0
90°-150°	1157.3	41.0
90°-180°	1321.0	46.8
0°-180°	2821.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	593	593	593	593	593	
5°	686	593	524	593	686	69
15°	908	567	390	567	908	258
25°	980	518	307	518	980	435
35°	603	450	257	450	603	378
45°	308	361	216	361	308	244
55°	184	259	161	259	184	167
65°	108	162	90	162	108	108
75°	50	80	42	80	50	55
85°	12	18	12	18	12	14
90°	8	0	8	0	8	7
95°	87	12	87	12	87	135
105°	502	42	502	42	502	496
115°	482	74	482	74	482	479
125°	385	102	385	102	385	350
135°	344	122	344	122	344	266
145°	281	140	281	140	281	178
155°	235	160	235	160	235	110
165°	205	174	205	174	205	59
175°	185	181	185	181	185	18
180°	182	182	182	182	182	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2
2.5°	625.7	627.4	625.7	625.5	623.6	623.0	622.3	619.8	615.2	612.5	613.1
5°	685.5	691.5	688.1	687.6	682.4	677.1	673.8	666.1	657.9	652.5	647.9
7.5°	754.6	758.0	755.9	752.6	744.1	739.2	731.4	721.4	706.8	695.7	685.5
10°	801.6	804.5	803.5	797.3	791.1	778.4	771.2	757.2	738.7	724.2	710.5
12.5°	847.9	850.9	842.5	842.8	831.0	821.0	809.7	791.9	770.7	751.9	734.9
15°	908.2	904.3	904.3	899.6	886.5	872.6	860.9	842.2	815.5	793.0	769.3
17.5°	955.4	956.7	954.8	943.5	933.2	918.9	897.4	875.7	850.8	820.6	796.5
20°	983.7	983.7	981.6	973.9	960.6	945.2	922.1	898.4	866.9	836.5	809.3
22.5°	995.2	995.9	993.4	987.1	975.1	960.2	940.4	916.4	883.8	849.7	816.0
25°	979.5	984.0	984.4	982.8	979.2	970.1	953.1	928.6	899.4	862.3	826.0
27.5°	899.2	904.9	910.0	918.3	929.3	934.9	935.7	923.2	897.8	862.1	825.6
30°	819.3	824.0	839.6	859.9	875.7	890.0	902.5	905.8	891.5	859.5	821.0
32.5°	730.5	737.1	752.7	774.5	800.7	825.1	852.9	867.2	866.8	847.6	812.0
35°	603.2	608.0	622.4	645.3	676.8	713.0	757.2	791.5	815.0	813.3	791.5
37.5°	486.6	491.9	506.3	525.4	556.0	600.7	643.5	690.9	734.2	758.5	751.2
40°	423.0	423.2	437.4	457.0	485.6	524.6	571.2	623.8	672.1	711.6	719.1
42.5°	372.9	372.9	382.3	403.4	424.0	460.7	505.2	557.4	614.0	659.5	679.7
45°	308.3	310.4	318.1	330.7	347.0	378.1	413.7	462.2	525.5	579.6	613.3
47.5°	261.1	264.3	269.1	279.4	292.4	313.1	342.5	386.2	437.7	497.1	545.0
50°	236.6	237.1	243.3	249.0	260.2	276.8	302.6	338.9	386.3	443.3	496.7
52.5°	215.6	215.5	219.2	226.5	235.6	248.4	269.3	302.4	344.4	395.6	450.6
55°	184.0	185.2	188.1	193.8	200.8	209.8	226.3	251.2	284.2	327.9	377.9
57.5°	160.1	160.7	162.9	165.3	171.7	178.3	190.7	207.9	235.7	271.6	318.1
60°	144.3	144.6	145.3	148.9	153.9	160.2	168.5	183.1	206.5	239.2	276.1
62.5°	129.1	129.5	130.6	133.2	137.1	141.4	150.2	161.9	181.3	209.2	242.4
65°	107.6	107.8	109.5	110.4	113.5	117.3	123.8	131.7	145.1	168.5	193.6
67.5°	89.9	89.9	90.0	91.3	93.4	95.9	99.8	106.1	116.2	130.6	152.7
70°	78.4	78.4	78.9	79.6	80.8	82.9	85.1	89.9	97.3	109.0	125.9
72.5°	67.7	67.9	68.4	68.5	69.1	70.9	72.5	75.5	81.0	89.9	103.6
75°	49.7	50.4	51.6	52.6	53.8	53.5	55.2	57.2	58.8	64.0	71.9
77.5°	37.0	36.7	36.8	37.6	37.7	38.0	39.2	40.6	41.9	44.3	47.2
80°	28.2	28.2	28.9	29.2	28.9	29.2	30.4	31.1	31.5	32.5	35.1
82.5°	21.3	21.7	21.5	21.7	21.8	22.1	23.1	23.2	23.7	24.1	25.1
85°	11.9	12.2	12.4	11.9	11.9	11.9	12.4	12.6	13.1	12.9	13.4
87.5°	5.7	5.6	5.8	5.7	5.9	5.7	5.8	6.1	5.7	5.9	5.8
90°	7.5	7.5	7.9	7.5	7.2	7.2	6.8	6.5	6.1	6.5	5.8
92.5°	27.5	27.5	28.7	30.6	34.8	42.0	52.7	70.1	94.3	113.2	99.1
95°	87.1	91.7	98.2	109.2	126.7	161.3	209.1	264.5	299.1	290.8	219.5
97.5°	232.8	240.2	251.0	272.4	298.0	335.3	370.2	390.7	375.8	306.4	205.4
100°	327.3	330.1	340.8	362.6	393.6	420.1	437.6	430.4	378.3	287.0	186.3
102.5°	409.5	411.8	423.1	438.9	457.9	468.9	463.8	428.5	356.9	262.7	173.5
105°	502.2	504.3	509.3	512.2	511.5	496.9	461.5	399.7	318.0	234.1	162.4
107.5°	536.5	535.6	532.1	523.9	506.3	474.4	424.7	359.0	286.6	218.1	160.4
110°	537.1	533.9	527.6	512.5	487.2	448.0	396.2	334.5	270.9	212.7	161.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	520.3	515.1	506.1	488.0	459.2	419.9	371.0	316.4	262.1	210.2	162.7
115°	482.2	479.4	467.9	446.5	418.3	384.1	342.2	298.4	253.8	208.8	165.9
117.5°	443.5	441.3	429.8	411.8	387.8	358.7	325.9	289.5	250.0	208.4	169.5
120°	421.9	418.0	408.7	392.9	372.6	347.3	318.7	285.5	248.0	208.4	172.1
122.5°	404.8	400.8	392.9	379.5	362.3	340.1	314.2	282.1	245.8	208.1	174.6
125°	384.8	382.6	375.9	365.5	351.2	331.5	306.9	276.3	242.0	207.7	178.4
127.5°	373.0	370.9	365.2	356.0	341.6	323.1	298.4	269.1	236.9	206.9	181.6
130°	366.2	364.1	358.3	349.4	334.8	315.9	291.6	263.4	233.8	206.6	183.8
132.5°	358.5	356.4	350.9	340.8	326.5	307.6	283.9	257.4	231.0	206.4	185.8
135°	344.1	341.9	336.2	326.2	311.9	294.1	272.4	249.1	226.6	205.9	188.8
137.5°	326.2	323.7	318.9	309.1	295.7	279.6	261.3	241.7	223.0	205.9	190.6
140°	313.4	310.5	305.5	297.7	285.2	270.1	254.1	237.3	221.0	205.6	192.0
142.5°	299.6	297.7	293.3	286.0	274.9	261.9	248.1	233.4	219.2	205.6	193.2
145°	280.8	279.1	275.5	269.4	260.5	250.5	239.8	227.7	216.3	204.9	193.8
147.5°	264.3	263.6	260.9	255.7	249.1	241.3	232.7	223.1	213.7	203.6	194.2
150°	254.8	254.5	252.4	247.7	242.0	235.6	228.4	220.3	211.7	202.7	194.2
152.5°	246.3	245.9	244.6	240.9	236.0	230.8	224.2	217.1	209.3	201.3	193.6
155°	235.2	235.2	234.1	231.3	227.7	223.4	218.0	212.4	205.9	199.1	192.8
157.5°	225.5	225.5	224.9	222.7	220.0	216.6	212.1	207.3	202.5	196.9	191.8
160°	219.5	219.5	219.1	217.0	214.9	212.0	208.0	204.2	199.9	195.2	191.0
162.5°	213.8	214.1	213.7	211.6	210.1	207.4	204.4	201.1	197.6	193.5	190.1
165°	205.2	205.6	205.9	204.5	203.1	201.3	198.8	196.6	193.8	191.0	188.4
167.5°	198.4	198.7	198.8	197.8	197.1	196.1	194.1	192.5	190.4	188.3	186.7
170°	194.2	194.2	194.5	194.2	193.5	192.4	191.0	189.9	188.1	186.6	185.6
172.5°	189.9	190.5	190.8	190.5	190.1	189.2	188.3	187.6	186.1	184.9	184.5
175°	184.9	185.6	186.3	185.6	185.6	185.6	184.9	184.5	183.8	183.1	183.1
177.5°	182.0	182.5	183.1	182.8	183.1	182.8	182.8	182.5	182.3	182.0	182.0
180°	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2
2.5°	611.2	608.5	607.1	604.1	600.5	598.5	596.8	594.3	591.1	587.6	585.2
5°	642.2	636.4	629.2	620.7	613.1	605.6	599.2	592.7	585.3	577.6	570.1
7.5°	674.0	662.8	650.6	636.4	622.8	610.3	598.7	587.8	575.4	564.2	554.1
10°	696.2	681.0	664.0	646.0	628.1	612.6	597.2	583.4	568.2	554.5	543.0
12.5°	714.2	696.2	675.8	653.5	631.9	613.1	595.5	577.4	560.1	545.3	530.0
15°	744.0	719.4	692.0	665.1	637.2	611.6	587.9	566.9	547.0	526.2	511.7
17.5°	764.6	735.3	701.9	669.7	636.7	606.5	579.3	554.2	531.3	510.1	492.7
20°	776.8	744.5	707.4	670.9	633.8	601.6	572.2	544.4	520.8	497.9	479.9
22.5°	783.7	747.9	707.4	669.1	630.8	595.8	563.6	534.7	509.0	485.9	466.2
25°	785.9	747.6	706.3	662.3	620.3	583.2	549.7	518.4	489.7	466.8	445.8
27.5°	782.7	737.7	695.4	650.3	606.8	567.8	532.7	499.8	471.1	446.5	424.9
30°	778.2	729.9	684.5	637.6	593.7	556.1	519.1	487.6	457.7	432.1	410.4
32.5°	768.2	720.3	671.5	623.5	579.0	540.3	505.1	473.4	444.1	418.0	394.9
35°	748.5	700.0	647.0	597.7	554.0	513.8	480.9	450.3	422.3	394.4	370.0
37.5°	722.6	673.1	620.3	566.3	522.5	484.6	454.4	425.7	398.4	372.8	345.9
40°	698.1	653.0	598.4	544.9	500.0	463.4	435.5	409.4	381.9	356.6	329.6
42.5°	668.5	630.1	574.9	521.2	476.9	441.6	415.6	390.1	365.1	340.5	312.4
45°	619.0	589.9	538.3	486.7	441.9	407.0	383.1	360.6	338.7	315.3	288.7
47.5°	562.3	542.6	498.1	445.1	403.8	372.4	349.3	330.9	312.4	288.9	265.7
50°	522.9	510.3	467.3	419.0	379.5	350.6	327.0	309.7	294.2	271.8	251.0
52.5°	480.9	474.1	437.8	391.6	353.6	325.2	305.0	289.5	273.8	255.1	235.7
55°	416.8	420.4	389.6	349.6	313.8	289.9	271.6	258.6	245.2	229.4	214.4
57.5°	351.3	364.5	343.8	308.7	275.1	253.0	239.1	228.3	217.0	204.0	191.1
60°	312.1	323.2	311.4	280.5	251.2	230.7	217.7	209.3	198.1	186.2	176.4
62.5°	273.9	285.7	278.7	253.8	226.5	208.8	197.4	189.7	181.3	170.9	160.7
65°	225.9	233.5	230.1	213.0	193.6	178.5	168.0	162.3	154.6	147.0	137.9
67.5°	173.0	187.7	185.8	176.6	160.0	148.1	141.3	136.2	129.3	123.6	117.4
70°	142.2	155.8	155.6	148.1	139.1	128.2	123.3	119.1	112.8	107.3	102.3
72.5°	116.4	128.9	130.8	125.0	118.9	110.5	105.9	103.0	96.9	93.2	89.1
75°	81.5	90.6	93.0	93.0	90.1	85.8	81.7	79.8	75.5	72.2	69.8
77.5°	53.4	59.2	62.9	63.7	64.2	62.7	59.4	58.1	54.7	53.6	51.3
80°	37.8	41.6	45.8	47.4	48.5	48.1	46.7	45.6	42.5	41.3	40.4
82.5°	26.1	28.2	31.7	34.9	34.5	35.9	34.5	33.8	31.4	31.0	30.1
85°	13.6	13.8	14.3	16.5	17.7	18.2	18.4	18.0	17.2	17.2	15.6
87.5°	5.6	5.4	5.4	5.4	5.5	6.2	6.6	6.6	6.2	5.8	5.3
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°	72.1	44.4	26.3	18.9	13.6	9.3	6.0	4.0	6.0	9.3	13.6
95°	134.2	75.6	44.6	29.6	21.1	16.5	12.8	11.8	12.8	16.5	21.1
97.5°	120.7	72.3	48.4	35.9	28.5	24.2	21.1	21.1	21.1	24.2	28.5
100°	113.5	73.2	52.1	40.7	33.9	29.6	27.2	27.2	27.2	29.6	33.9
102.5°	111.5	76.0	57.0	46.2	39.6	35.6	33.4	32.8	33.4	35.6	39.6
105°	112.4	82.8	65.6	55.3	48.9	44.6	42.8	41.8	42.8	44.6	48.9
107.5°	117.8	90.7	75.0	64.8	58.7	54.1	52.3	51.6	52.3	54.1	58.7
110°	121.7	96.7	81.0	71.4	64.9	60.7	58.9	58.2	58.9	60.7	64.9





TEST NUMBER: P332867-840

CATALOG NUMBER: SA4XXRDIP-C350D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	126.0	102.4	87.3	77.7	71.2	67.3	65.1	64.4	65.1	67.3	71.2
115°	132.8	111.4	97.0	87.5	80.7	77.1	74.6	73.5	74.6	77.1	80.7
117.5°	139.7	120.0	106.4	96.4	90.1	86.1	83.9	82.9	83.9	86.1	90.1
120°	144.5	126.0	112.4	102.4	96.3	92.4	90.0	89.3	90.0	92.4	96.3
122.5°	149.2	131.7	118.2	108.5	101.8	98.2	95.6	94.9	95.6	98.2	101.8
125°	155.9	139.6	126.7	116.7	110.0	106.0	103.8	102.4	103.8	106.0	110.0
127.5°	161.9	146.8	134.4	124.3	117.2	112.8	110.2	109.1	110.2	112.8	117.2
130°	165.6	151.7	139.6	129.2	122.4	117.0	114.2	112.8	114.2	117.0	122.4
132.5°	169.4	155.7	143.5	133.8	126.4	121.4	117.6	116.5	117.6	121.4	126.4
135°	174.2	161.3	149.6	140.3	132.8	126.7	123.1	121.7	123.1	126.7	132.8
137.5°	177.6	165.6	154.6	145.7	137.9	132.2	128.3	126.9	128.3	132.2	137.9
140°	179.9	168.4	157.7	149.2	141.7	135.6	131.7	130.7	131.7	135.6	141.7
142.5°	181.6	171.1	160.6	152.3	145.1	139.4	135.7	134.6	135.7	139.4	145.1
145°	183.5	173.8	164.5	156.7	149.9	144.9	141.4	140.3	141.4	144.9	149.9
147.5°	185.1	176.6	167.9	160.9	155.2	150.2	146.9	146.6	146.9	150.2	155.2
150°	185.9	178.1	170.3	163.5	158.1	153.8	151.0	150.6	151.0	153.8	158.1
152.5°	186.5	179.3	172.3	166.0	161.3	157.2	154.4	154.3	154.4	157.2	161.3
155°	187.0	181.0	174.9	169.6	165.6	162.1	159.9	159.6	159.9	162.1	165.6
157.5°	187.0	182.2	177.0	172.8	169.4	166.6	164.6	164.6	164.6	166.6	169.4
160°	187.0	182.8	178.4	174.5	171.7	169.2	167.7	167.7	167.7	169.2	171.7
162.5°	187.0	183.3	179.4	176.2	173.7	171.5	170.4	170.6	170.4	171.5	173.7
165°	186.3	183.5	180.3	178.1	176.3	174.5	173.8	173.8	173.8	174.5	176.3
167.5°	185.4	183.4	181.1	179.4	178.3	177.0	176.6	177.0	176.6	177.0	178.3
170°	184.9	183.1	181.3	180.3	179.6	178.4	178.1	178.4	178.1	178.4	179.6
172.5°	184.3	182.8	181.6	180.8	180.4	179.6	179.6	179.9	179.6	179.6	180.4
175°	183.5	182.4	181.7	181.7	181.3	181.0	181.0	181.3	181.0	181.0	181.3
177.5°	182.5	182.0	181.7	181.7	181.7	181.4	181.7	182.0	181.7	181.4	181.7
180°	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7



TEST NUMBER: P332867-840

CATALOG NUMBER: SA4XXRDIP-C350D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2
2.5°	582.5	580.6	578.1	575.2	571.8	568.8	567.3	568.6	569.2	567.5	567.3
5°	564.7	558.8	554.0	546.8	541.1	536.3	533.0	531.5	532.0	528.2	527.3
7.5°	544.8	537.8	529.9	521.4	513.5	506.4	502.8	500.8	496.7	494.9	492.0
10°	532.0	522.5	514.8	504.7	495.6	487.4	483.2	479.9	475.8	473.9	469.9
12.5°	518.9	507.8	499.3	488.9	479.6	469.6	465.6	459.5	453.1	449.1	443.8
15°	500.2	486.9	476.6	464.1	453.1	441.7	431.4	419.9	415.7	406.6	401.3
17.5°	478.5	464.9	452.2	435.6	418.6	404.2	393.3	382.3	375.8	370.0	367.3
20°	464.1	451.7	434.0	414.7	395.8	380.0	371.1	364.0	356.8	352.7	349.9
22.5°	450.6	434.6	414.1	393.2	374.4	362.0	354.6	347.2	341.3	337.5	333.7
25°	427.8	407.0	385.3	361.3	348.5	337.7	329.6	323.6	320.0	315.0	313.1
27.5°	404.5	379.2	355.3	339.2	325.8	315.9	308.8	304.4	299.8	296.6	294.1
30°	386.5	360.9	339.4	324.1	310.4	302.4	296.6	291.3	287.7	285.1	283.3
32.5°	368.7	343.2	325.1	308.6	297.8	289.9	283.8	279.8	277.0	273.7	272.5
35°	343.0	320.2	304.5	289.6	278.7	271.6	266.7	262.7	260.2	259.3	258.6
37.5°	318.2	299.6	282.7	270.5	260.7	255.1	249.4	247.4	245.8	244.1	244.9
40°	302.6	285.1	270.0	257.2	249.2	243.1	239.7	237.3	235.9	235.9	235.9
42.5°	289.0	272.0	257.2	245.7	237.8	232.6	228.8	226.8	226.3	226.1	227.3
45°	267.9	252.2	237.3	227.7	221.1	215.8	213.7	212.0	212.0	213.0	213.2
47.5°	247.0	232.3	220.4	209.6	203.5	200.3	198.3	197.5	197.6	198.5	199.7
50°	234.2	219.6	207.9	198.3	192.7	189.6	187.8	187.3	187.8	187.8	189.6
52.5°	220.3	207.2	195.7	187.6	181.2	178.2	177.3	176.6	176.9	177.7	178.4
55°	199.9	188.1	177.1	169.5	164.7	162.8	160.6	160.9	160.4	160.9	160.9
57.5°	179.3	168.7	158.5	152.5	148.2	145.5	143.2	143.8	143.1	143.0	142.6
60°	166.1	154.6	146.5	141.0	136.2	133.8	131.7	132.2	131.5	131.0	130.0
62.5°	151.8	142.2	134.4	129.2	125.3	122.6	120.4	120.0	118.3	116.6	114.5
65°	131.0	123.1	116.1	111.2	107.6	105.4	103.7	102.3	98.7	94.9	93.0
67.5°	110.8	105.0	98.6	94.3	91.4	88.7	85.4	83.0	79.7	77.6	76.3
70°	97.8	92.3	86.7	82.7	79.6	77.0	73.4	71.7	69.3	68.4	67.2
72.5°	85.3	80.2	75.1	71.4	68.2	66.0	63.2	61.6	60.5	60.1	59.0
75°	66.4	62.4	58.6	55.2	52.6	51.1	50.0	48.8	48.3	46.2	44.9
77.5°	48.5	45.7	43.4	41.0	39.2	38.2	35.9	34.5	33.7	32.7	32.4
80°	37.8	35.9	33.4	32.0	29.4	28.5	27.5	27.3	27.0	26.8	26.6
82.5°	28.4	26.5	24.1	23.2	22.5	21.9	21.4	21.1	20.9	21.0	21.0
85°	14.3	13.4	13.4	13.1	12.9	12.6	12.4	12.4	12.2	12.4	12.2
87.5°	5.4	5.2	5.6	5.3	5.6	5.7	5.5	5.5	5.8	5.5	5.5
90°	2.8	2.8	4.9	4.9	5.8	6.5	6.1	6.5	6.8	7.2	7.2
92.5°	18.9	26.3	44.4	72.1	99.1	113.2	94.3	70.1	52.7	42.0	34.8
95°	29.6	44.6	75.6	134.2	219.5	290.8	299.1	264.5	209.1	161.3	126.7
97.5°	35.9	48.4	72.3	120.7	205.4	306.4	375.8	390.7	370.2	335.3	298.0
100°	40.7	52.1	73.2	113.5	186.3	287.0	378.3	430.4	437.6	420.1	393.6
102.5°	46.2	57.0	76.0	111.5	173.5	262.7	356.9	428.5	463.8	468.9	457.9
105°	55.3	65.6	82.8	112.4	162.4	234.1	318.0	399.7	461.5	496.9	511.5
107.5°	64.8	75.0	90.7	117.8	160.4	218.1	286.6	359.0	424.7	474.4	506.3
110°	71.4	81.0	96.7	121.7	161.0	212.7	270.9	334.5	396.2	448.0	487.2



TEST NUMBER: P332867-840

CATALOG NUMBER: SA4XXRDIP-C350D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	77.7	87.3	102.4	126.0	162.7	210.2	262.1	316.4	371.0	419.9	459.2
115°	87.5	97.0	111.4	132.8	165.9	208.8	253.8	298.4	342.2	384.1	418.3
117.5°	96.4	106.4	120.0	139.7	169.5	208.4	250.0	289.5	325.9	358.7	387.8
120°	102.4	112.4	126.0	144.5	172.1	208.4	248.0	285.5	318.7	347.3	372.6
122.5°	108.5	118.2	131.7	149.2	174.6	208.1	245.8	282.1	314.2	340.1	362.3
125°	116.7	126.7	139.6	155.9	178.4	207.7	242.0	276.3	306.9	331.5	351.2
127.5°	124.3	134.4	146.8	161.9	181.6	206.9	236.9	269.1	298.4	323.1	341.6
130°	129.2	139.6	151.7	165.6	183.8	206.6	233.8	263.4	291.6	315.9	334.8
132.5°	133.8	143.5	155.7	169.4	185.8	206.4	231.0	257.4	283.9	307.6	326.5
135°	140.3	149.6	161.3	174.2	188.8	205.9	226.6	249.1	272.4	294.1	311.9
137.5°	145.7	154.6	165.6	177.6	190.6	205.9	223.0	241.7	261.3	279.6	295.7
140°	149.2	157.7	168.4	179.9	192.0	205.6	221.0	237.3	254.1	270.1	285.2
142.5°	152.3	160.6	171.1	181.6	193.2	205.6	219.2	233.4	248.1	261.9	274.9
145°	156.7	164.5	173.8	183.5	193.8	204.9	216.3	227.7	239.8	250.5	260.5
147.5°	160.9	167.9	176.6	185.1	194.2	203.6	213.7	223.1	232.7	241.3	249.1
150°	163.5	170.3	178.1	185.9	194.2	202.7	211.7	220.3	228.4	235.6	242.0
152.5°	166.0	172.3	179.3	186.5	193.6	201.3	209.3	217.1	224.2	230.8	236.0
155°	169.6	174.9	181.0	187.0	192.8	199.1	205.9	212.4	218.0	223.4	227.7
157.5°	172.8	177.0	182.2	187.0	191.8	196.9	202.5	207.3	212.1	216.6	220.0
160°	174.5	178.4	182.8	187.0	191.0	195.2	199.9	204.2	208.0	212.0	214.9
162.5°	176.2	179.4	183.3	187.0	190.1	193.5	197.6	201.1	204.4	207.4	210.1
165°	178.1	180.3	183.5	186.3	188.4	191.0	193.8	196.6	198.8	201.3	203.1
167.5°	179.4	181.1	183.4	185.4	186.7	188.3	190.4	192.5	194.1	196.1	197.1
170°	180.3	181.3	183.1	184.9	185.6	186.6	188.1	189.9	191.0	192.4	193.5
172.5°	180.8	181.6	182.8	184.3	184.5	184.9	186.1	187.6	188.3	189.2	190.1
175°	181.7	181.7	182.4	183.5	183.1	183.1	183.8	184.5	184.9	185.6	185.6
177.5°	181.7	181.7	182.0	182.5	182.0	182.0	182.3	182.5	182.8	182.8	183.1
180°	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7



TEST NUMBER: P332867-840

CATALOG NUMBER: SA4XXRDIP-C350D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2
2.5°	566.2	566.6	565.3	564.9	565.3	566.6	566.2	567.3	567.5	569.2	568.6
5°	525.3	524.8	523.6	523.9	523.6	524.8	525.3	527.3	528.2	532.0	531.5
7.5°	490.3	488.5	489.0	487.1	489.0	488.5	490.3	492.0	494.9	496.7	500.8
10°	468.9	466.3	464.1	462.2	464.1	466.3	468.9	469.9	473.9	475.8	479.9
12.5°	439.7	437.4	434.5	435.0	434.5	437.4	439.7	443.8	449.1	453.1	459.5
15°	398.2	394.6	388.9	389.6	388.9	394.6	398.2	401.3	406.6	415.7	419.9
17.5°	363.0	363.0	360.4	361.1	360.4	363.0	363.0	367.3	370.0	375.8	382.3
20°	344.9	343.3	343.5	342.7	343.5	343.3	344.9	349.9	352.7	356.8	364.0
22.5°	332.2	330.2	328.5	327.1	328.5	330.2	332.2	333.7	337.5	341.3	347.2
25°	310.9	309.5	307.4	306.9	307.4	309.5	310.9	313.1	315.0	320.0	323.6
27.5°	292.2	292.0	291.0	289.9	291.0	292.0	292.2	294.1	296.6	299.8	304.4
30°	281.3	280.8	280.3	279.6	280.3	280.8	281.3	283.3	285.1	287.7	291.3
32.5°	271.6	271.2	270.7	270.8	270.7	271.2	271.6	272.5	273.7	277.0	279.8
35°	257.6	257.4	256.9	256.7	256.9	257.4	257.6	258.6	259.3	260.2	262.7
37.5°	244.7	245.3	245.0	244.9	245.0	245.3	244.7	244.9	244.1	245.8	247.4
40°	235.7	235.9	236.4	236.1	236.4	235.9	235.7	235.9	235.9	235.9	237.3
42.5°	228.2	228.2	228.9	228.1	228.9	228.2	228.2	227.3	226.1	226.3	226.8
45°	214.9	216.3	216.0	216.0	216.0	216.3	214.9	213.2	213.0	212.0	212.0
47.5°	200.3	201.6	201.9	201.8	201.9	201.6	200.3	199.7	198.5	197.6	197.5
50°	190.8	190.3	191.0	190.8	191.0	190.3	190.8	189.6	187.8	187.8	187.3
52.5°	179.0	179.2	179.2	178.8	179.2	179.2	179.0	178.4	177.7	176.9	176.6
55°	161.1	161.4	160.9	161.1	160.9	161.4	161.1	160.9	160.9	160.4	160.9
57.5°	141.6	140.5	140.9	140.4	140.9	140.5	141.6	142.6	143.0	143.1	143.8
60°	127.6	125.7	125.2	124.3	125.2	125.7	127.6	130.0	131.0	131.5	132.2
62.5°	112.0	110.6	109.0	109.8	109.0	110.6	112.0	114.5	116.6	118.3	120.0
65°	91.1	90.1	89.4	90.4	89.4	90.1	91.1	93.0	94.9	98.7	102.3
67.5°	75.3	74.8	74.8	74.4	74.8	74.8	75.3	76.3	77.6	79.7	83.0
70°	67.2	66.4	66.4	65.9	66.4	66.4	67.2	67.2	68.4	69.3	71.7
72.5°	58.8	58.1	58.3	58.0	58.3	58.1	58.8	59.0	60.1	60.5	61.6
75°	43.5	42.3	42.3	42.5	42.3	42.3	43.5	44.9	46.2	48.3	48.8
77.5°	32.4	32.2	32.5	32.1	32.5	32.2	32.4	32.4	32.7	33.7	34.5
80°	26.6	26.3	26.1	26.8	26.1	26.3	26.6	26.6	26.8	27.0	27.3
82.5°	20.6	20.6	20.5	21.4	20.5	20.6	20.6	21.0	21.0	20.9	21.1
85°	12.4	11.9	12.4	11.9	12.4	11.9	12.4	12.2	12.4	12.2	12.4
87.5°	5.9	5.8	5.6	5.7	5.6	5.8	5.9	5.5	5.5	5.8	5.5
90°	7.5	7.9	7.5	7.5	7.5	7.9	7.5	7.2	7.2	6.8	6.5
92.5°	30.6	28.7	27.5	27.5	27.5	28.7	30.6	34.8	42.0	52.7	70.1
95°	109.2	98.2	91.7	87.1	91.7	98.2	109.2	126.7	161.3	209.1	264.5
97.5°	272.4	251.0	240.2	232.8	240.2	251.0	272.4	298.0	335.3	370.2	390.7
100°	362.6	340.8	330.1	327.3	330.1	340.8	362.6	393.6	420.1	437.6	430.4
102.5°	438.9	423.1	411.8	409.5	411.8	423.1	438.9	457.9	468.9	463.8	428.5
105°	512.2	509.3	504.3	502.2	504.3	509.3	512.2	511.5	496.9	461.5	399.7
107.5°	523.9	532.1	535.6	536.5	535.6	532.1	523.9	506.3	474.4	424.7	359.0
110°	512.5	527.6	533.9	537.1	533.9	527.6	512.5	487.2	448.0	396.2	334.5



TEST NUMBER: P332867-840

CATALOG NUMBER: SA4XXRDIP-C350D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	488.0	506.1	515.1	520.3	515.1	506.1	488.0	459.2	419.9	371.0	316.4
115°	446.5	467.9	479.4	482.2	479.4	467.9	446.5	418.3	384.1	342.2	298.4
117.5°	411.8	429.8	441.3	443.5	441.3	429.8	411.8	387.8	358.7	325.9	289.5
120°	392.9	408.7	418.0	421.9	418.0	408.7	392.9	372.6	347.3	318.7	285.5
122.5°	379.5	392.9	400.8	404.8	400.8	392.9	379.5	362.3	340.1	314.2	282.1
125°	365.5	375.9	382.6	384.8	382.6	375.9	365.5	351.2	331.5	306.9	276.3
127.5°	356.0	365.2	370.9	373.0	370.9	365.2	356.0	341.6	323.1	298.4	269.1
130°	349.4	358.3	364.1	366.2	364.1	358.3	349.4	334.8	315.9	291.6	263.4
132.5°	340.8	350.9	356.4	358.5	356.4	350.9	340.8	326.5	307.6	283.9	257.4
135°	326.2	336.2	341.9	344.1	341.9	336.2	326.2	311.9	294.1	272.4	249.1
137.5°	309.1	318.9	323.7	326.2	323.7	318.9	309.1	295.7	279.6	261.3	241.7
140°	297.7	305.5	310.5	313.4	310.5	305.5	297.7	285.2	270.1	254.1	237.3
142.5°	286.0	293.3	297.7	299.6	297.7	293.3	286.0	274.9	261.9	248.1	233.4
145°	269.4	275.5	279.1	280.8	279.1	275.5	269.4	260.5	250.5	239.8	227.7
147.5°	255.7	260.9	263.6	264.3	263.6	260.9	255.7	249.1	241.3	232.7	223.1
150°	247.7	252.4	254.5	254.8	254.5	252.4	247.7	242.0	235.6	228.4	220.3
152.5°	240.9	244.6	245.9	246.3	245.9	244.6	240.9	236.0	230.8	224.2	217.1
155°	231.3	234.1	235.2	235.2	235.2	234.1	231.3	227.7	223.4	218.0	212.4
157.5°	222.7	224.9	225.5	225.5	225.5	224.9	222.7	220.0	216.6	212.1	207.3
160°	217.0	219.1	219.5	219.5	219.5	219.1	217.0	214.9	212.0	208.0	204.2
162.5°	211.6	213.7	214.1	213.8	214.1	213.7	211.6	210.1	207.4	204.4	201.1
165°	204.5	205.9	205.6	205.2	205.6	205.9	204.5	203.1	201.3	198.8	196.6
167.5°	197.8	198.8	198.7	198.4	198.7	198.8	197.8	197.1	196.1	194.1	192.5
170°	194.2	194.5	194.2	194.2	194.2	194.5	194.2	193.5	192.4	191.0	189.9
172.5°	190.5	190.8	190.5	189.9	190.5	190.8	190.5	190.1	189.2	188.3	187.6
175°	185.6	186.3	185.6	184.9	185.6	186.3	185.6	185.6	185.6	184.9	184.5
177.5°	182.8	183.1	182.5	182.0	182.5	183.1	182.8	183.1	182.8	182.8	182.5
180°	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7



TEST NUMBER: P332867-840  
 CATALOG NUMBER: SA4XXRDIP-C350D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2
2.5°	567.3	568.8	571.8	575.2	578.1	580.6	582.5	585.2	587.6	591.1	594.3
5°	533.0	536.3	541.1	546.8	554.0	558.8	564.7	570.1	577.6	585.3	592.7
7.5°	502.8	506.4	513.5	521.4	529.9	537.8	544.8	554.1	564.2	575.4	587.8
10°	483.2	487.4	495.6	504.7	514.8	522.5	532.0	543.0	554.5	568.2	583.4
12.5°	465.6	469.6	479.6	488.9	499.3	507.8	518.9	530.0	545.3	560.1	577.4
15°	431.4	441.7	453.1	464.1	476.6	486.9	500.2	511.7	526.2	547.0	566.9
17.5°	393.3	404.2	418.6	435.6	452.2	464.9	478.5	492.7	510.1	531.3	554.2
20°	371.1	380.0	395.8	414.7	434.0	451.7	464.1	479.9	497.9	520.8	544.4
22.5°	354.6	362.0	374.4	393.2	414.1	434.6	450.6	466.2	485.9	509.0	534.7
25°	329.6	337.7	348.5	361.3	385.3	407.0	427.8	445.8	466.8	489.7	518.4
27.5°	308.8	315.9	325.8	339.2	355.3	379.2	404.5	424.9	446.5	471.1	499.8
30°	296.6	302.4	310.4	324.1	339.4	360.9	386.5	410.4	432.1	457.7	487.6
32.5°	283.8	289.9	297.8	308.6	325.1	343.2	368.7	394.9	418.0	444.1	473.4
35°	266.7	271.6	278.7	289.6	304.5	320.2	343.0	370.0	394.4	422.3	450.3
37.5°	249.4	255.1	260.7	270.5	282.7	299.6	318.2	345.9	372.8	398.4	425.7
40°	239.7	243.1	249.2	257.2	270.0	285.1	302.6	329.6	356.6	381.9	409.4
42.5°	228.8	232.6	237.8	245.7	257.2	272.0	289.0	312.4	340.5	365.1	390.1
45°	213.7	215.8	221.1	227.7	237.3	252.2	267.9	288.7	315.3	338.7	360.6
47.5°	198.3	200.3	203.5	209.6	220.4	232.3	247.0	265.7	288.9	312.4	330.9
50°	187.8	189.6	192.7	198.3	207.9	219.6	234.2	251.0	271.8	294.2	309.7
52.5°	177.3	178.2	181.2	187.6	195.7	207.2	220.3	235.7	255.1	273.8	289.5
55°	160.6	162.8	164.7	169.5	177.1	188.1	199.9	214.4	229.4	245.2	258.6
57.5°	143.2	145.5	148.2	152.5	158.5	168.7	179.3	191.1	204.0	217.0	228.3
60°	131.7	133.8	136.2	141.0	146.5	154.6	166.1	176.4	186.2	198.1	209.3
62.5°	120.4	122.6	125.3	129.2	134.4	142.2	151.8	160.7	170.9	181.3	189.7
65°	103.7	105.4	107.6	111.2	116.1	123.1	131.0	137.9	147.0	154.6	162.3
67.5°	85.4	88.7	91.4	94.3	98.6	105.0	110.8	117.4	123.6	129.3	136.2
70°	73.4	77.0	79.6	82.7	86.7	92.3	97.8	102.3	107.3	112.8	119.1
72.5°	63.2	66.0	68.2	71.4	75.1	80.2	85.3	89.1	93.2	96.9	103.0
75°	50.0	51.1	52.6	55.2	58.6	62.4	66.4	69.8	72.2	75.5	79.8
77.5°	35.9	38.2	39.2	41.0	43.4	45.7	48.5	51.3	53.6	54.7	58.1
80°	27.5	28.5	29.4	32.0	33.4	35.9	37.8	40.4	41.3	42.5	45.6
82.5°	21.4	21.9	22.5	23.2	24.1	26.5	28.4	30.1	31.0	31.4	33.8
85°	12.4	12.6	12.9	13.1	13.4	13.4	14.3	15.6	17.2	17.2	18.0
87.5°	5.5	5.7	5.6	5.3	5.6	5.2	5.4	5.3	5.8	6.2	6.6
90°	6.1	6.5	5.8	4.9	4.9	2.8	2.8	2.5	2.1	1.1	0.4
92.5°	94.3	113.2	99.1	72.1	44.4	26.3	18.9	13.6	9.3	6.0	4.0
95°	299.1	290.8	219.5	134.2	75.6	44.6	29.6	21.1	16.5	12.8	11.8
97.5°	375.8	306.4	205.4	120.7	72.3	48.4	35.9	28.5	24.2	21.1	21.1
100°	378.3	287.0	186.3	113.5	73.2	52.1	40.7	33.9	29.6	27.2	27.2
102.5°	356.9	262.7	173.5	111.5	76.0	57.0	46.2	39.6	35.6	33.4	32.8
105°	318.0	234.1	162.4	112.4	82.8	65.6	55.3	48.9	44.6	42.8	41.8
107.5°	286.6	218.1	160.4	117.8	90.7	75.0	64.8	58.7	54.1	52.3	51.6
110°	270.9	212.7	161.0	121.7	96.7	81.0	71.4	64.9	60.7	58.9	58.2



TEST NUMBER: P332867-840

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	262.1	210.2	162.7	126.0	102.4	87.3	77.7	71.2	67.3	65.1	64.4
115°	253.8	208.8	165.9	132.8	111.4	97.0	87.5	80.7	77.1	74.6	73.5
117.5°	250.0	208.4	169.5	139.7	120.0	106.4	96.4	90.1	86.1	83.9	82.9
120°	248.0	208.4	172.1	144.5	126.0	112.4	102.4	96.3	92.4	90.0	89.3
122.5°	245.8	208.1	174.6	149.2	131.7	118.2	108.5	101.8	98.2	95.6	94.9
125°	242.0	207.7	178.4	155.9	139.6	126.7	116.7	110.0	106.0	103.8	102.4
127.5°	236.9	206.9	181.6	161.9	146.8	134.4	124.3	117.2	112.8	110.2	109.1
130°	233.8	206.6	183.8	165.6	151.7	139.6	129.2	122.4	117.0	114.2	112.8
132.5°	231.0	206.4	185.8	169.4	155.7	143.5	133.8	126.4	121.4	117.6	116.5
135°	226.6	205.9	188.8	174.2	161.3	149.6	140.3	132.8	126.7	123.1	121.7
137.5°	223.0	205.9	190.6	177.6	165.6	154.6	145.7	137.9	132.2	128.3	126.9
140°	221.0	205.6	192.0	179.9	168.4	157.7	149.2	141.7	135.6	131.7	130.7
142.5°	219.2	205.6	193.2	181.6	171.1	160.6	152.3	145.1	139.4	135.7	134.6
145°	216.3	204.9	193.8	183.5	173.8	164.5	156.7	149.9	144.9	141.4	140.3
147.5°	213.7	203.6	194.2	185.1	176.6	167.9	160.9	155.2	150.2	146.9	146.6
150°	211.7	202.7	194.2	185.9	178.1	170.3	163.5	158.1	153.8	151.0	150.6
152.5°	209.3	201.3	193.6	186.5	179.3	172.3	166.0	161.3	157.2	154.4	154.3
155°	205.9	199.1	192.8	187.0	181.0	174.9	169.6	165.6	162.1	159.9	159.6
157.5°	202.5	196.9	191.8	187.0	182.2	177.0	172.8	169.4	166.6	164.6	164.6
160°	199.9	195.2	191.0	187.0	182.8	178.4	174.5	171.7	169.2	167.7	167.7
162.5°	197.6	193.5	190.1	187.0	183.3	179.4	176.2	173.7	171.5	170.4	170.6
165°	193.8	191.0	188.4	186.3	183.5	180.3	178.1	176.3	174.5	173.8	173.8
167.5°	190.4	188.3	186.7	185.4	183.4	181.1	179.4	178.3	177.0	176.6	177.0
170°	188.1	186.6	185.6	184.9	183.1	181.3	180.3	179.6	178.4	178.1	178.4
172.5°	186.1	184.9	184.5	184.3	182.8	181.6	180.8	180.4	179.6	179.6	179.9
175°	183.8	183.1	183.1	183.5	182.4	181.7	181.7	181.3	181.0	181.0	181.3
177.5°	182.3	182.0	182.0	182.5	182.0	181.7	181.7	181.7	181.4	181.7	182.0
180°	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7



TEST NUMBER: P332867-840

CATALOG NUMBER: SA4XXRDIP-C350D365U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2
2.5°	596.8	598.5	600.5	604.1	607.1	608.5	611.2	613.1	612.5	615.2	619.8
5°	599.2	605.6	613.1	620.7	629.2	636.4	642.2	647.9	652.5	657.9	666.1
7.5°	598.7	610.3	622.8	636.4	650.6	662.8	674.0	685.5	695.7	706.8	721.4
10°	597.2	612.6	628.1	646.0	664.0	681.0	696.2	710.5	724.2	738.7	757.2
12.5°	595.5	613.1	631.9	653.5	675.8	696.2	714.2	734.9	751.9	770.7	791.9
15°	587.9	611.6	637.2	665.1	692.0	719.4	744.0	769.3	793.0	815.5	842.2
17.5°	579.3	606.5	636.7	669.7	701.9	735.3	764.6	796.5	820.6	850.8	875.7
20°	572.2	601.6	633.8	670.9	707.4	744.5	776.8	809.3	836.5	866.9	898.4
22.5°	563.6	595.8	630.8	669.1	707.4	747.9	783.7	816.0	849.7	883.8	916.4
25°	549.7	583.2	620.3	662.3	706.3	747.6	785.9	826.0	862.3	899.4	928.6
27.5°	532.7	567.8	606.8	650.3	695.4	737.7	782.7	825.6	862.1	897.8	923.2
30°	519.1	556.1	593.7	637.6	684.5	729.9	778.2	821.0	859.5	891.5	905.8
32.5°	505.1	540.3	579.0	623.5	671.5	720.3	768.2	812.0	847.6	866.8	867.2
35°	480.9	513.8	554.0	597.7	647.0	700.0	748.5	791.5	813.3	815.0	791.5
37.5°	454.4	484.6	522.5	566.3	620.3	673.1	722.6	751.2	758.5	734.2	690.9
40°	435.5	463.4	500.0	544.9	598.4	653.0	698.1	719.1	711.6	672.1	623.8
42.5°	415.6	441.6	476.9	521.2	574.9	630.1	668.5	679.7	659.5	614.0	557.4
45°	383.1	407.0	441.9	486.7	538.3	589.9	619.0	613.3	579.6	525.5	462.2
47.5°	349.3	372.4	403.8	445.1	498.1	542.6	562.3	545.0	497.1	437.7	386.2
50°	327.0	350.6	379.5	419.0	467.3	510.3	522.9	496.7	443.3	386.3	338.9
52.5°	305.0	325.2	353.6	391.6	437.8	474.1	480.9	450.6	395.6	344.4	302.4
55°	271.6	289.9	313.8	349.6	389.6	420.4	416.8	377.9	327.9	284.2	251.2
57.5°	239.1	253.0	275.1	308.7	343.8	364.5	351.3	318.1	271.6	235.7	207.9
60°	217.7	230.7	251.2	280.5	311.4	323.2	312.1	276.1	239.2	206.5	183.1
62.5°	197.4	208.8	226.5	253.8	278.7	285.7	273.9	242.4	209.2	181.3	161.9
65°	168.0	178.5	193.6	213.0	230.1	233.5	225.9	193.6	168.5	145.1	131.7
67.5°	141.3	148.1	160.0	176.6	185.8	187.7	173.0	152.7	130.6	116.2	106.1
70°	123.3	128.2	139.1	148.1	155.6	155.8	142.2	125.9	109.0	97.3	89.9
72.5°	105.9	110.5	118.9	125.0	130.8	128.9	116.4	103.6	89.9	81.0	75.5
75°	81.7	85.8	90.1	93.0	93.0	90.6	81.5	71.9	64.0	58.8	57.2
77.5°	59.4	62.7	64.2	63.7	62.9	59.2	53.4	47.2	44.3	41.9	40.6
80°	46.7	48.1	48.5	47.4	45.8	41.6	37.8	35.1	32.5	31.5	31.1
82.5°	34.5	35.9	34.5	34.9	31.7	28.2	26.1	25.1	24.1	23.7	23.2
85°	18.4	18.2	17.7	16.5	14.3	13.8	13.6	13.4	12.9	13.1	12.6
87.5°	6.6	6.2	5.5	5.4	5.4	5.4	5.6	5.8	5.9	5.7	6.1
90°	1.1	2.1	2.5	2.8	2.8	4.9	4.9	5.8	6.5	6.1	6.5
92.5°	6.0	9.3	13.6	18.9	26.3	44.4	72.1	99.1	113.2	94.3	70.1
95°	12.8	16.5	21.1	29.6	44.6	75.6	134.2	219.5	290.8	299.1	264.5
97.5°	21.1	24.2	28.5	35.9	48.4	72.3	120.7	205.4	306.4	375.8	390.7
100°	27.2	29.6	33.9	40.7	52.1	73.2	113.5	186.3	287.0	378.3	430.4
102.5°	33.4	35.6	39.6	46.2	57.0	76.0	111.5	173.5	262.7	356.9	428.5
105°	42.8	44.6	48.9	55.3	65.6	82.8	112.4	162.4	234.1	318.0	399.7
107.5°	52.3	54.1	58.7	64.8	75.0	90.7	117.8	160.4	218.1	286.6	359.0
110°	58.9	60.7	64.9	71.4	81.0	96.7	121.7	161.0	212.7	270.9	334.5





TEST NUMBER: P332867-840

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	65.1	67.3	71.2	77.7	87.3	102.4	126.0	162.7	210.2	262.1	316.4
115°	74.6	77.1	80.7	87.5	97.0	111.4	132.8	165.9	208.8	253.8	298.4
117.5°	83.9	86.1	90.1	96.4	106.4	120.0	139.7	169.5	208.4	250.0	289.5
120°	90.0	92.4	96.3	102.4	112.4	126.0	144.5	172.1	208.4	248.0	285.5
122.5°	95.6	98.2	101.8	108.5	118.2	131.7	149.2	174.6	208.1	245.8	282.1
125°	103.8	106.0	110.0	116.7	126.7	139.6	155.9	178.4	207.7	242.0	276.3
127.5°	110.2	112.8	117.2	124.3	134.4	146.8	161.9	181.6	206.9	236.9	269.1
130°	114.2	117.0	122.4	129.2	139.6	151.7	165.6	183.8	206.6	233.8	263.4
132.5°	117.6	121.4	126.4	133.8	143.5	155.7	169.4	185.8	206.4	231.0	257.4
135°	123.1	126.7	132.8	140.3	149.6	161.3	174.2	188.8	205.9	226.6	249.1
137.5°	128.3	132.2	137.9	145.7	154.6	165.6	177.6	190.6	205.9	223.0	241.7
140°	131.7	135.6	141.7	149.2	157.7	168.4	179.9	192.0	205.6	221.0	237.3
142.5°	135.7	139.4	145.1	152.3	160.6	171.1	181.6	193.2	205.6	219.2	233.4
145°	141.4	144.9	149.9	156.7	164.5	173.8	183.5	193.8	204.9	216.3	227.7
147.5°	146.9	150.2	155.2	160.9	167.9	176.6	185.1	194.2	203.6	213.7	223.1
150°	151.0	153.8	158.1	163.5	170.3	178.1	185.9	194.2	202.7	211.7	220.3
152.5°	154.4	157.2	161.3	166.0	172.3	179.3	186.5	193.6	201.3	209.3	217.1
155°	159.9	162.1	165.6	169.6	174.9	181.0	187.0	192.8	199.1	205.9	212.4
157.5°	164.6	166.6	169.4	172.8	177.0	182.2	187.0	191.8	196.9	202.5	207.3
160°	167.7	169.2	171.7	174.5	178.4	182.8	187.0	191.0	195.2	199.9	204.2
162.5°	170.4	171.5	173.7	176.2	179.4	183.3	187.0	190.1	193.5	197.6	201.1
165°	173.8	174.5	176.3	178.1	180.3	183.5	186.3	188.4	191.0	193.8	196.6
167.5°	176.6	177.0	178.3	179.4	181.1	183.4	185.4	186.7	188.3	190.4	192.5
170°	178.1	178.4	179.6	180.3	181.3	183.1	184.9	185.6	186.6	188.1	189.9
172.5°	179.6	179.6	180.4	180.8	181.6	182.8	184.3	184.5	184.9	186.1	187.6
175°	181.0	181.0	181.3	181.7	181.7	182.4	183.5	183.1	183.1	183.8	184.5
177.5°	181.7	181.4	181.7	181.7	181.7	182.0	182.5	182.0	182.0	182.3	182.5
180°	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7	181.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	593.2	593.2	593.2	593.2	593.2	593.2	593.2
2.5°	622.3	623.0	623.6	625.5	625.7	627.4	625.7
5°	673.8	677.1	682.4	687.6	688.1	691.5	685.5
7.5°	731.4	739.2	744.1	752.6	755.9	758.0	754.6
10°	771.2	778.4	791.1	797.3	803.5	804.5	801.6
12.5°	809.7	821.0	831.0	842.8	842.5	850.9	847.9
15°	860.9	872.6	886.5	899.6	904.3	904.3	908.2
17.5°	897.4	918.9	933.2	943.5	954.8	956.7	955.4
20°	922.1	945.2	960.6	973.9	981.6	983.7	983.7
22.5°	940.4	960.2	975.1	987.1	993.4	995.9	995.2
25°	953.1	970.1	979.2	982.8	984.4	984.0	979.5
27.5°	935.7	934.9	929.3	918.3	910.0	904.9	899.2
30°	902.5	890.0	875.7	859.9	839.6	824.0	819.3
32.5°	852.9	825.1	800.7	774.5	752.7	737.1	730.5
35°	757.2	713.0	676.8	645.3	622.4	608.0	603.2
37.5°	643.5	600.7	556.0	525.4	506.3	491.9	486.6
40°	571.2	524.6	485.6	457.0	437.4	423.2	423.0
42.5°	505.2	460.7	424.0	403.4	382.3	372.9	372.9
45°	413.7	378.1	347.0	330.7	318.1	310.4	308.3
47.5°	342.5	313.1	292.4	279.4	269.1	264.3	261.1
50°	302.6	276.8	260.2	249.0	243.3	237.1	236.6
52.5°	269.3	248.4	235.6	226.5	219.2	215.5	215.6
55°	226.3	209.8	200.8	193.8	188.1	185.2	184.0
57.5°	190.7	178.3	171.7	165.3	162.9	160.7	160.1
60°	168.5	160.2	153.9	148.9	145.3	144.6	144.3
62.5°	150.2	141.4	137.1	133.2	130.6	129.5	129.1
65°	123.8	117.3	113.5	110.4	109.5	107.8	107.6
67.5°	99.8	95.9	93.4	91.3	90.0	89.9	89.9
70°	85.1	82.9	80.8	79.6	78.9	78.4	78.4
72.5°	72.5	70.9	69.1	68.5	68.4	67.9	67.7
75°	55.2	53.5	53.8	52.6	51.6	50.4	49.7
77.5°	39.2	38.0	37.7	37.6	36.8	36.7	37.0
80°	30.4	29.2	28.9	29.2	28.9	28.2	28.2
82.5°	23.1	22.1	21.8	21.7	21.5	21.7	21.3
85°	12.4	11.9	11.9	11.9	12.4	12.2	11.9
87.5°	5.8	5.7	5.9	5.7	5.8	5.6	5.7
90°	6.8	7.2	7.2	7.5	7.9	7.5	7.5
92.5°	52.7	42.0	34.8	30.6	28.7	27.5	27.5
95°	209.1	161.3	126.7	109.2	98.2	91.7	87.1
97.5°	370.2	335.3	298.0	272.4	251.0	240.2	232.8
100°	437.6	420.1	393.6	362.6	340.8	330.1	327.3
102.5°	463.8	468.9	457.9	438.9	423.1	411.8	409.5
105°	461.5	496.9	511.5	512.2	509.3	504.3	502.2
107.5°	424.7	474.4	506.3	523.9	532.1	535.6	536.5
110°	396.2	448.0	487.2	512.5	527.6	533.9	537.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	371.0	419.9	459.2	488.0	506.1	515.1	520.3
115°	342.2	384.1	418.3	446.5	467.9	479.4	482.2
117.5°	325.9	358.7	387.8	411.8	429.8	441.3	443.5
120°	318.7	347.3	372.6	392.9	408.7	418.0	421.9
122.5°	314.2	340.1	362.3	379.5	392.9	400.8	404.8
125°	306.9	331.5	351.2	365.5	375.9	382.6	384.8
127.5°	298.4	323.1	341.6	356.0	365.2	370.9	373.0
130°	291.6	315.9	334.8	349.4	358.3	364.1	366.2
132.5°	283.9	307.6	326.5	340.8	350.9	356.4	358.5
135°	272.4	294.1	311.9	326.2	336.2	341.9	344.1
137.5°	261.3	279.6	295.7	309.1	318.9	323.7	326.2
140°	254.1	270.1	285.2	297.7	305.5	310.5	313.4
142.5°	248.1	261.9	274.9	286.0	293.3	297.7	299.6
145°	239.8	250.5	260.5	269.4	275.5	279.1	280.8
147.5°	232.7	241.3	249.1	255.7	260.9	263.6	264.3
150°	228.4	235.6	242.0	247.7	252.4	254.5	254.8
152.5°	224.2	230.8	236.0	240.9	244.6	245.9	246.3
155°	218.0	223.4	227.7	231.3	234.1	235.2	235.2
157.5°	212.1	216.6	220.0	222.7	224.9	225.5	225.5
160°	208.0	212.0	214.9	217.0	219.1	219.5	219.5
162.5°	204.4	207.4	210.1	211.6	213.7	214.1	213.8
165°	198.8	201.3	203.1	204.5	205.9	205.6	205.2
167.5°	194.1	196.1	197.1	197.8	198.8	198.7	198.4
170°	191.0	192.4	193.5	194.2	194.5	194.2	194.2
172.5°	188.3	189.2	190.1	190.5	190.8	190.5	189.9
175°	184.9	185.6	185.6	185.6	186.3	185.6	184.9
177.5°	182.8	182.8	183.1	182.8	183.1	182.5	182.0
180°	181.7	181.7	181.7	181.7	181.7	181.7	181.7

(END OF REPORT)