

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P212788

Luminaire Tested: **LD6B15D010 EU6B10209024 6LBSWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212788  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29203)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B15D010 EU6B10209024 6LBSWLI1  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1012.6 lumens  
Efficiency: N/A  
Efficacy: 70.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

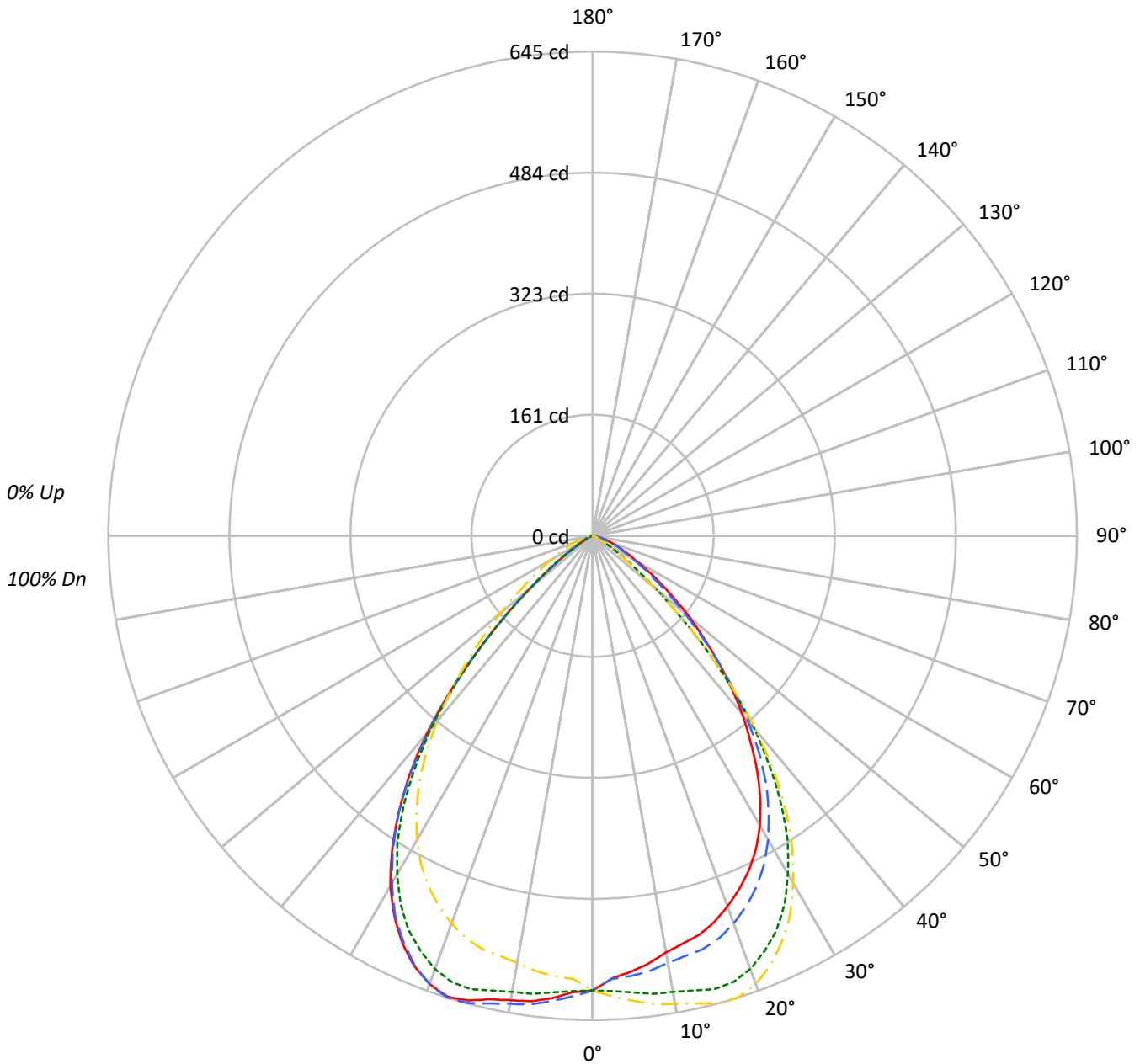
Input Watts (W): 14.39  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	112	109	106	103	110	107	104	102	103	100	99	99	97	96	95	94	93	91																			
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	84	82																			
3	98	91	84	80	96	89	84	79	86	82	78	84	80	76	81	78	75	73																			
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66																			
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60																			
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54																			
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49																			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45																			
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42																			
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38																			

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

	0°	90°	180°	270°
0°	33205	33205	33205	33205
5°	32088	33601	34025	33601
10°	31362	34340	34969	34340
15°	31215	35494	36374	35494
20°	30645	35826	37062	35826
25°	29766	35058	36250	35058
30°	28207	32935	34100	32935
35°	25571	29352	30149	29352
40°	22199	23916	24525	23916
45°	18203	16506	16614	16506
50°	14311	9262	9083	9262
55°	10580	4578	4110	4578
60°	7499	2006	1469	2006
65°	5578	1284	921	1284
70°	4071	1010	673	1010
75°	2987	741	445	741
80°	1989	663	221	663
85°	1321	440	440	440



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.0	5.7
10°-20°	171.7	17.0
20°-30°	256.3	25.3
30°-40°	263.3	26.0
40°-50°	170.5	16.8
50°-60°	63.4	6.3
60°-70°	20.8	2.1
70°-80°	7.3	0.7
80°-90°	1.3	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	486.0	48.0
0°-40°	749.3	74.0
0°-60°	983.2	97.1
0°-90°	1012.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1012.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	606	606	606	606	606	
5°	583	611	618	611	583	55
15°	550	625	641	625	550	155
25°	492	580	599	580	492	226
35°	382	439	450	439	382	237
45°	235	213	214	213	235	182
55°	111	48	43	48	111	101
65°	43	10	7	10	43	44
75°	14	4	2	4	14	15
85°	2	1	1	1	2	3
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7
2.5°	590.1	598.6	593.0	596.5	590.8	590.8	602.1	595.8	600.7	595.8	590.8
5°	583.1	593.7	586.6	590.1	585.2	585.9	596.5	591.6	596.5	593.0	588.7
7.5°	574.6	585.2	578.9	582.4	577.5	578.9	590.1	585.2	590.8	587.3	584.5
10°	563.4	574.6	569.0	572.5	568.3	569.0	580.3	576.7	581.7	579.6	577.5
12.5°	556.3	566.9	560.5	564.1	561.2	562.6	573.2	570.4	576.7	574.6	573.2
15°	550.0	559.8	554.2	557.7	555.6	556.3	567.6	564.8	571.8	570.4	569.7
17.5°	539.4	550.0	543.6	547.8	545.7	546.4	557.7	555.6	562.6	562.6	561.9
20°	525.3	535.9	530.9	533.7	532.3	533.7	543.6	542.2	549.3	549.3	549.3
22.5°	509.8	520.3	514.7	517.5	516.1	518.2	527.4	527.4	533.0	533.7	534.4
25°	492.1	502.7	497.1	500.6	499.2	500.6	509.1	509.8	514.7	514.7	516.1
27.5°	471.0	481.6	475.9	478.7	478.0	478.7	487.9	489.3	492.1	492.8	494.3
30°	445.6	455.5	449.8	452.7	452.7	452.7	461.8	462.5	465.3	466.1	467.5
32.5°	416.0	424.5	420.2	423.0	422.3	423.7	430.1	432.9	436.4	435.7	436.4
35°	382.1	391.3	387.1	389.2	389.9	392.0	396.2	399.8	400.5	401.2	402.6
37.5°	345.5	354.7	350.4	352.5	353.2	357.5	358.9	362.4	363.8	363.8	363.8
40°	310.2	314.5	310.9	313.1	313.8	317.3	318.7	321.5	322.9	322.2	321.5
42.5°	272.2	275.7	272.2	274.3	274.3	277.1	277.8	281.3	281.3	279.9	277.8
45°	234.8	238.3	234.8	236.2	236.2	239.0	239.0	239.0	240.4	238.3	234.8
47.5°	199.5	203.1	199.5	200.9	200.2	202.4	201.7	202.4	200.2	198.8	194.6
50°	167.8	169.2	167.8	167.1	167.8	169.2	168.5	168.5	165.7	163.6	158.6
52.5°	136.8	138.9	136.8	136.8	136.8	138.2	138.2	137.5	134.7	131.8	126.9
55°	110.7	112.1	111.4	110.7	110.7	112.1	110.7	110.7	107.9	105.8	100.8
57.5°	88.1	88.8	88.1	88.1	88.1	88.8	88.8	87.4	85.3	83.2	79.7
60°	68.4	69.1	69.1	68.4	68.4	69.8	69.8	69.1	67.0	65.6	62.0
62.5°	54.3	54.3	54.3	54.3	54.3	55.0	55.0	55.0	53.6	52.2	49.4
65°	43.0	43.7	43.0	43.0	43.7	44.4	43.7	44.4	43.0	42.3	40.2
67.5°	33.1	33.8	33.1	33.8	33.8	34.5	33.8	34.5	33.1	32.4	31.0
70°	25.4	25.4	25.4	25.4	25.4	26.1	25.4	26.1	25.4	24.7	23.3
72.5°	19.0	19.0	19.7	19.7	19.0	19.7	19.0	19.0	19.0	18.3	17.6
75°	14.1	14.1	14.8	14.1	14.1	14.1	14.1	14.1	13.4	13.4	12.7
77.5°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.2	9.2	8.5
80°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	5.6	5.6
82.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	3.5	3.5
85°	2.1	2.1	2.1	2.8	2.1	2.1	2.1	2.1	2.1	2.1	2.1
87.5°	0.7	0.7	0.7	1.4	0.7	0.7	1.4	1.4	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7
2.5°	596.5	598.6	598.6	596.5	601.4	597.2	605.7	597.9	600.0	607.1	606.4
5°	594.4	597.2	597.9	596.5	602.8	599.3	607.8	600.0	603.5	610.6	610.6
7.5°	591.6	595.1	596.5	597.9	603.5	600.0	609.9	602.1	607.1	615.5	614.8
10°	585.2	590.1	593.0	595.1	600.7	598.6	609.2	602.8	607.1	616.9	616.2
12.5°	581.7	587.3	591.6	595.1	601.4	600.0	610.6	605.0	610.6	620.5	620.5
15°	578.9	585.2	590.1	596.5	602.8	601.4	612.7	607.8	613.4	625.4	624.7
17.5°	571.8	579.6	584.5	591.6	597.9	597.2	609.2	605.7	612.0	623.3	624.0
20°	559.8	566.9	572.5	581.0	588.0	586.6	599.3	595.8	602.1	614.1	614.8
22.5°	544.3	551.4	557.0	566.2	572.5	571.8	584.5	581.0	587.3	598.6	599.3
25°	526.0	532.3	538.0	546.4	553.5	553.5	564.8	561.2	568.3	579.6	579.6
27.5°	503.4	509.1	514.0	523.9	529.5	529.5	540.1	536.6	543.6	553.5	552.8
30°	475.9	480.9	485.1	493.5	498.5	499.2	508.4	504.8	511.9	520.3	520.3
32.5°	442.8	447.7	450.5	461.1	464.6	463.9	471.0	467.5	474.5	483.7	481.6
35°	407.5	409.6	411.8	422.3	423.7	420.9	428.0	424.5	429.4	438.6	437.1
37.5°	367.3	368.0	368.0	377.2	377.9	375.8	380.0	375.8	379.3	387.8	387.1
40°	322.9	322.2	321.5	328.6	327.9	323.6	326.4	322.9	327.9	334.2	330.7
42.5°	277.8	275.7	272.9	276.4	273.6	270.0	271.5	265.8	269.3	274.3	270.0
45°	233.4	229.1	223.5	224.2	220.7	216.5	214.3	208.7	208.0	212.9	209.4
47.5°	191.8	183.3	178.4	175.6	169.9	166.4	162.2	155.8	153.0	155.8	152.3
50°	154.4	145.9	139.6	133.3	127.6	123.4	116.3	112.1	107.9	108.6	105.8
52.5°	122.0	116.3	105.8	100.8	95.2	90.2	83.9	79.0	74.0	74.0	71.2
55°	96.6	88.8	81.8	74.7	69.1	64.9	58.5	53.6	48.6	47.9	45.1
57.5°	74.7	69.1	61.3	54.3	50.8	46.5	40.2	34.5	31.7	29.6	27.5
60°	57.8	52.2	45.8	40.2	36.0	33.1	26.8	22.6	19.7	18.3	16.2
62.5°	46.5	41.6	36.0	30.3	27.5	24.7	19.7	16.2	13.4	12.0	10.6
65°	37.4	33.1	28.9	24.7	22.6	19.7	16.2	13.4	11.3	9.9	8.5
67.5°	28.9	26.1	22.6	19.7	17.6	15.5	12.7	10.6	9.2	7.8	7.1
70°	21.9	19.7	17.6	14.8	13.4	12.0	9.9	7.8	7.1	6.3	5.6
72.5°	16.9	14.8	12.7	11.3	9.9	9.2	7.8	6.3	5.6	4.9	4.2
75°	11.3	10.6	9.2	7.8	7.1	6.3	5.6	4.9	4.2	3.5	3.5
77.5°	7.8	7.1	6.3	5.6	4.9	4.9	4.2	3.5	2.8	2.8	2.1
80°	4.9	4.2	4.2	3.5	3.5	3.5	2.8	2.1	2.1	2.1	1.4
82.5°	3.5	2.8	2.8	2.1	2.1	2.1	2.1	1.4	1.4	1.4	0.7
85°	2.1	1.4	1.4	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7
2.5°	600.7	607.1	607.1	612.7	613.4	612.0	605.7	605.7	614.1	619.1	610.6
5°	606.4	612.7	612.7	618.3	621.2	619.1	612.7	613.4	621.9	627.5	619.1
7.5°	611.3	617.6	619.1	625.4	627.5	625.4	619.1	620.5	629.6	634.6	626.1
10°	613.4	619.8	620.5	627.5	630.3	627.5	622.6	623.3	633.2	636.7	628.9
12.5°	618.3	624.7	624.7	632.4	635.3	633.2	626.8	628.2	638.1	641.6	633.9
15°	623.3	629.6	629.6	638.1	641.6	638.8	633.9	634.6	644.4	648.0	641.6
17.5°	623.3	628.9	628.9	638.1	641.6	639.5	633.9	634.6	645.1	648.0	641.6
20°	614.1	620.5	619.1	628.2	631.7	629.6	624.7	624.7	635.3	638.1	631.7
22.5°	599.3	605.0	603.5	612.0	616.2	613.4	609.2	608.5	619.1	621.9	615.5
25°	578.9	584.5	583.1	591.6	595.8	592.3	587.3	588.0	596.5	600.7	595.1
27.5°	554.9	558.4	556.3	564.8	569.0	565.5	560.5	561.2	569.7	572.5	568.3
30°	522.5	525.3	523.2	530.2	533.0	530.9	526.7	526.7	534.4	538.0	533.7
32.5°	483.7	485.8	483.7	489.3	495.0	490.7	486.5	486.5	495.0	497.8	492.8
35°	438.6	440.7	439.3	444.9	449.1	443.5	440.0	438.6	449.8	448.4	445.6
37.5°	388.5	389.9	385.7	395.5	397.7	391.3	388.5	387.1	397.0	396.2	393.4
40°	332.1	333.5	330.7	337.7	338.4	333.5	331.4	329.3	339.1	338.4	336.3
42.5°	272.2	272.9	269.3	275.0	276.4	271.5	270.7	267.9	277.1	275.7	275.0
45°	210.1	210.1	207.3	211.5	212.9	208.7	207.3	206.6	212.9	212.9	211.5
47.5°	152.3	150.2	146.7	153.0	153.7	150.9	150.2	148.1	154.4	154.4	153.0
50°	104.4	103.6	102.9	104.4	105.1	101.5	103.6	101.5	105.1	105.1	105.1
52.5°	69.8	69.1	67.7	69.1	69.1	67.0	67.0	66.3	69.1	69.1	67.7
55°	43.7	43.0	42.3	43.0	43.0	40.9	42.3	40.9	42.3	42.3	41.6
57.5°	26.8	25.4	25.4	24.7	24.7	23.3	24.0	24.0	24.0	24.0	24.0
60°	15.5	14.8	14.1	14.1	14.1	13.4	13.4	13.4	13.4	13.4	13.4
62.5°	9.9	9.9	9.2	9.2	9.2	9.2	9.2	8.5	9.2	9.2	9.2
65°	8.5	7.8	7.8	7.8	7.8	7.1	7.1	7.1	7.1	7.1	7.1
67.5°	7.1	6.3	6.3	6.3	6.3	5.6	5.6	5.6	5.6	5.6	5.6
70°	5.6	4.9	4.9	4.9	4.9	4.9	4.2	4.9	4.9	4.2	4.2
72.5°	4.2	4.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
75°	2.8	2.8	2.8	2.8	2.8	2.1	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.0	0.7	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7
2.5°	620.5	613.4	609.9	616.9	619.8	616.2	613.4	608.5	613.4	616.2	619.8
5°	628.9	622.6	619.8	624.7	628.9	625.4	623.3	618.3	623.3	625.4	628.9
7.5°	636.7	630.3	626.8	631.7	636.7	631.7	629.6	625.4	629.6	631.7	636.7
10°	639.5	632.4	629.6	633.9	638.8	633.9	631.0	628.2	631.0	633.9	638.8
12.5°	644.4	637.4	633.9	637.4	642.3	637.4	634.6	632.4	634.6	637.4	642.3
15°	651.5	645.1	640.9	644.4	650.8	645.1	641.6	640.9	641.6	645.1	650.8
17.5°	651.5	646.5	642.3	645.1	651.5	647.3	642.3	643.7	642.3	647.3	651.5
20°	642.3	637.4	633.9	633.9	643.0	637.4	633.2	635.3	633.2	637.4	643.0
22.5°	626.1	621.9	618.3	617.6	626.8	621.9	616.2	620.5	616.2	621.9	626.8
25°	605.0	600.7	597.9	596.5	605.7	600.0	595.1	599.3	595.1	600.0	605.7
27.5°	577.5	573.9	571.1	569.0	577.5	572.5	567.6	571.8	567.6	572.5	577.5
30°	542.2	540.1	537.3	534.4	542.9	538.0	533.0	538.7	533.0	538.0	542.9
32.5°	501.3	499.9	496.4	493.5	502.0	496.4	492.8	497.1	492.8	496.4	502.0
35°	454.1	452.0	449.8	444.9	454.1	449.1	449.1	450.5	449.1	449.1	454.1
37.5°	401.2	399.8	397.0	392.7	400.5	397.0	395.5	399.8	395.5	397.0	400.5
40°	342.0	341.3	339.1	334.2	342.7	339.1	337.0	342.7	337.0	339.1	342.7
42.5°	279.9	278.5	276.4	275.7	279.9	277.1	279.2	279.2	279.2	277.1	279.9
45°	215.8	214.3	212.9	210.1	215.0	213.6	212.9	214.3	212.9	213.6	215.0
47.5°	156.5	155.1	153.7	151.6	156.5	154.4	154.4	155.8	154.4	154.4	156.5
50°	105.1	105.8	105.1	103.6	105.1	104.4	105.1	106.5	105.1	104.4	105.1
52.5°	69.8	69.8	68.4	67.7	69.1	68.4	70.5	69.1	70.5	68.4	69.1
55°	42.3	43.0	42.3	41.6	42.3	41.6	43.7	43.0	43.7	41.6	42.3
57.5°	24.0	24.0	24.7	24.0	25.4	24.7	24.7	24.7	24.7	24.7	25.4
60°	13.4	13.4	13.4	13.4	13.4	13.4	14.1	13.4	14.1	13.4	13.4
62.5°	9.2	9.2	9.2	8.5	9.2	8.5	9.2	9.2	9.2	8.5	9.2
65°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
67.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
70°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
72.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
75°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7
2.5°	616.9	609.9	613.4	620.5	610.6	619.1	614.1	605.7	605.7	612.0	613.4
5°	624.7	619.8	622.6	628.9	619.1	627.5	621.9	613.4	612.7	619.1	621.2
7.5°	631.7	626.8	630.3	636.7	626.1	634.6	629.6	620.5	619.1	625.4	627.5
10°	633.9	629.6	632.4	639.5	628.9	636.7	633.2	623.3	622.6	627.5	630.3
12.5°	637.4	633.9	637.4	644.4	633.9	641.6	638.1	628.2	626.8	633.2	635.3
15°	644.4	640.9	645.1	651.5	641.6	648.0	644.4	634.6	633.9	638.8	641.6
17.5°	645.1	642.3	646.5	651.5	641.6	648.0	645.1	634.6	633.9	639.5	641.6
20°	633.9	633.9	637.4	642.3	631.7	638.1	635.3	624.7	624.7	629.6	631.7
22.5°	617.6	618.3	621.9	626.1	615.5	621.9	619.1	608.5	609.2	613.4	616.2
25°	596.5	597.9	600.7	605.0	595.1	600.7	596.5	588.0	587.3	592.3	595.8
27.5°	569.0	571.1	573.9	577.5	568.3	572.5	569.7	561.2	560.5	565.5	569.0
30°	534.4	537.3	540.1	542.2	533.7	538.0	534.4	526.7	526.7	530.9	533.0
32.5°	493.5	496.4	499.9	501.3	492.8	497.8	495.0	486.5	486.5	490.7	495.0
35°	444.9	449.8	452.0	454.1	445.6	448.4	449.8	438.6	440.0	443.5	449.1
37.5°	392.7	397.0	399.8	401.2	393.4	396.2	397.0	387.1	388.5	391.3	397.7
40°	334.2	339.1	341.3	342.0	336.3	338.4	339.1	329.3	331.4	333.5	338.4
42.5°	275.7	276.4	278.5	279.9	275.0	275.7	277.1	267.9	270.7	271.5	276.4
45°	210.1	212.9	214.3	215.8	211.5	212.9	212.9	206.6	207.3	208.7	212.9
47.5°	151.6	153.7	155.1	156.5	153.0	154.4	154.4	148.1	150.2	150.9	153.7
50°	103.6	105.1	105.8	105.1	105.1	105.1	105.1	101.5	103.6	101.5	105.1
52.5°	67.7	68.4	69.8	69.8	67.7	69.1	69.1	66.3	67.0	67.0	69.1
55°	41.6	42.3	43.0	42.3	41.6	42.3	42.3	40.9	42.3	40.9	43.0
57.5°	24.0	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	23.3	24.7
60°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	14.1
62.5°	8.5	9.2	9.2	9.2	9.2	9.2	9.2	8.5	9.2	9.2	9.2
65°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.8
67.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	6.3
70°	4.2	4.2	4.2	4.2	4.2	4.2	4.9	4.9	4.2	4.9	4.9
72.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
75°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.8
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.0	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7
2.5°	612.7	607.1	607.1	600.7	606.4	607.1	600.0	597.9	605.7	597.2	601.4
5°	618.3	612.7	612.7	606.4	610.6	610.6	603.5	600.0	607.8	599.3	602.8
7.5°	625.4	619.1	617.6	611.3	614.8	615.5	607.1	602.1	609.9	600.0	603.5
10°	627.5	620.5	619.8	613.4	616.2	616.9	607.1	602.8	609.2	598.6	600.7
12.5°	632.4	624.7	624.7	618.3	620.5	620.5	610.6	605.0	610.6	600.0	601.4
15°	638.1	629.6	629.6	623.3	624.7	625.4	613.4	607.8	612.7	601.4	602.8
17.5°	638.1	628.9	628.9	623.3	624.0	623.3	612.0	605.7	609.2	597.2	597.9
20°	628.2	619.1	620.5	614.1	614.8	614.1	602.1	595.8	599.3	586.6	588.0
22.5°	612.0	603.5	605.0	599.3	599.3	598.6	587.3	581.0	584.5	571.8	572.5
25°	591.6	583.1	584.5	578.9	579.6	579.6	568.3	561.2	564.8	553.5	553.5
27.5°	564.8	556.3	558.4	554.9	552.8	553.5	543.6	536.6	540.1	529.5	529.5
30°	530.2	523.2	525.3	522.5	520.3	520.3	511.9	504.8	508.4	499.2	498.5
32.5°	489.3	483.7	485.8	483.7	481.6	483.7	474.5	467.5	471.0	463.9	464.6
35°	444.9	439.3	440.7	438.6	437.1	438.6	429.4	424.5	428.0	420.9	423.7
37.5°	395.5	385.7	389.9	388.5	387.1	387.8	379.3	375.8	380.0	375.8	377.9
40°	337.7	330.7	333.5	332.1	330.7	334.2	327.9	322.9	326.4	323.6	327.9
42.5°	275.0	269.3	272.9	272.2	270.0	274.3	269.3	265.8	271.5	270.0	273.6
45°	211.5	207.3	210.1	210.1	209.4	212.9	208.0	208.7	214.3	216.5	220.7
47.5°	153.0	146.7	150.2	152.3	152.3	155.8	153.0	155.8	162.2	166.4	169.9
50°	104.4	102.9	103.6	104.4	105.8	108.6	107.9	112.1	116.3	123.4	127.6
52.5°	69.1	67.7	69.1	69.8	71.2	74.0	74.0	79.0	83.9	90.2	95.2
55°	43.0	42.3	43.0	43.7	45.1	47.9	48.6	53.6	58.5	64.9	69.1
57.5°	24.7	25.4	25.4	26.8	27.5	29.6	31.7	34.5	40.2	46.5	50.8
60°	14.1	14.1	14.8	15.5	16.2	18.3	19.7	22.6	26.8	33.1	36.0
62.5°	9.2	9.2	9.9	9.9	10.6	12.0	13.4	16.2	19.7	24.7	27.5
65°	7.8	7.8	7.8	8.5	8.5	9.9	11.3	13.4	16.2	19.7	22.6
67.5°	6.3	6.3	6.3	7.1	7.1	7.8	9.2	10.6	12.7	15.5	17.6
70°	4.9	4.9	4.9	5.6	5.6	6.3	7.1	7.8	9.9	12.0	13.4
72.5°	3.5	3.5	4.2	4.2	4.2	4.9	5.6	6.3	7.8	9.2	9.9
75°	2.8	2.8	2.8	2.8	3.5	3.5	4.2	4.9	5.6	6.3	7.1
77.5°	1.4	1.4	2.1	2.1	2.1	2.8	2.8	3.5	4.2	4.9	4.9
80°	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.8	3.5	3.5
82.5°	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.4	2.1	2.1	2.1
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7
2.5°	596.5	598.6	598.6	596.5	590.8	595.8	600.7	595.8	602.1	590.8	590.8
5°	596.5	597.9	597.2	594.4	588.7	593.0	596.5	591.6	596.5	585.9	585.2
7.5°	597.9	596.5	595.1	591.6	584.5	587.3	590.8	585.2	590.1	578.9	577.5
10°	595.1	593.0	590.1	585.2	577.5	579.6	581.7	576.7	580.3	569.0	568.3
12.5°	595.1	591.6	587.3	581.7	573.2	574.6	576.7	570.4	573.2	562.6	561.2
15°	596.5	590.1	585.2	578.9	569.7	570.4	571.8	564.8	567.6	556.3	555.6
17.5°	591.6	584.5	579.6	571.8	561.9	562.6	562.6	555.6	557.7	546.4	545.7
20°	581.0	572.5	566.9	559.8	549.3	549.3	549.3	542.2	543.6	533.7	532.3
22.5°	566.2	557.0	551.4	544.3	534.4	533.7	533.0	527.4	527.4	518.2	516.1
25°	546.4	538.0	532.3	526.0	516.1	514.7	514.7	509.8	509.1	500.6	499.2
27.5°	523.9	514.0	509.1	503.4	494.3	492.8	492.1	489.3	487.9	478.7	478.0
30°	493.5	485.1	480.9	475.9	467.5	466.1	465.3	462.5	461.8	452.7	452.7
32.5°	461.1	450.5	447.7	442.8	436.4	435.7	436.4	432.9	430.1	423.7	422.3
35°	422.3	411.8	409.6	407.5	402.6	401.2	400.5	399.8	396.2	392.0	389.9
37.5°	377.2	368.0	368.0	367.3	363.8	363.8	363.8	362.4	358.9	357.5	353.2
40°	328.6	321.5	322.2	322.9	321.5	322.2	322.9	321.5	318.7	317.3	313.8
42.5°	276.4	272.9	275.7	277.8	277.8	279.9	281.3	281.3	277.8	277.1	274.3
45°	224.2	223.5	229.1	233.4	234.8	238.3	240.4	239.0	239.0	239.0	236.2
47.5°	175.6	178.4	183.3	191.8	194.6	198.8	200.2	202.4	201.7	202.4	200.2
50°	133.3	139.6	145.9	154.4	158.6	163.6	165.7	168.5	168.5	169.2	167.8
52.5°	100.8	105.8	116.3	122.0	126.9	131.8	134.7	137.5	138.2	138.2	136.8
55°	74.7	81.8	88.8	96.6	100.8	105.8	107.9	110.7	110.7	112.1	110.7
57.5°	54.3	61.3	69.1	74.7	79.7	83.2	85.3	87.4	88.8	88.8	88.1
60°	40.2	45.8	52.2	57.8	62.0	65.6	67.0	69.1	69.8	69.8	68.4
62.5°	30.3	36.0	41.6	46.5	49.4	52.2	53.6	55.0	55.0	55.0	54.3
65°	24.7	28.9	33.1	37.4	40.2	42.3	43.0	44.4	43.7	44.4	43.7
67.5°	19.7	22.6	26.1	28.9	31.0	32.4	33.1	34.5	33.8	34.5	33.8
70°	14.8	17.6	19.7	21.9	23.3	24.7	25.4	26.1	25.4	26.1	25.4
72.5°	11.3	12.7	14.8	16.9	17.6	18.3	19.0	19.0	19.0	19.7	19.0
75°	7.8	9.2	10.6	11.3	12.7	13.4	13.4	14.1	14.1	14.1	14.1
77.5°	5.6	6.3	7.1	7.8	8.5	9.2	9.2	9.9	9.9	9.9	9.9
80°	3.5	4.2	4.2	4.9	5.6	5.6	6.3	6.3	6.3	6.3	6.3
82.5°	2.1	2.8	2.8	3.5	3.5	3.5	4.2	4.2	4.2	4.2	4.2
85°	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	605.7	605.7	605.7	605.7
2.5°	596.5	593.0	598.6	590.1
5°	590.1	586.6	593.7	583.1
7.5°	582.4	578.9	585.2	574.6
10°	572.5	569.0	574.6	563.4
12.5°	564.1	560.5	566.9	556.3
15°	557.7	554.2	559.8	550.0
17.5°	547.8	543.6	550.0	539.4
20°	533.7	530.9	535.9	525.3
22.5°	517.5	514.7	520.3	509.8
25°	500.6	497.1	502.7	492.1
27.5°	478.7	475.9	481.6	471.0
30°	452.7	449.8	455.5	445.6
32.5°	423.0	420.2	424.5	416.0
35°	389.2	387.1	391.3	382.1
37.5°	352.5	350.4	354.7	345.5
40°	313.1	310.9	314.5	310.2
42.5°	274.3	272.2	275.7	272.2
45°	236.2	234.8	238.3	234.8
47.5°	200.9	199.5	203.1	199.5
50°	167.1	167.8	169.2	167.8
52.5°	136.8	136.8	138.9	136.8
55°	110.7	111.4	112.1	110.7
57.5°	88.1	88.1	88.8	88.1
60°	68.4	69.1	69.1	68.4
62.5°	54.3	54.3	54.3	54.3
65°	43.0	43.0	43.7	43.0
67.5°	33.8	33.1	33.8	33.1
70°	25.4	25.4	25.4	25.4
72.5°	19.7	19.7	19.0	19.0
75°	14.1	14.8	14.1	14.1
77.5°	9.9	9.9	9.9	9.9
80°	6.3	6.3	6.3	6.3
82.5°	4.2	4.2	4.2	4.2
85°	2.8	2.1	2.1	2.1
87.5°	1.4	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0



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— 0°-180°    - - 45°-225°    - - - - 90°-270°    - · - · 135°-315°

























(END OF REPORT)