

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: P212794

Luminaire Tested: **LD6B15D010 EU6B10209727 6LBSWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212794  
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 EU6B10209727 6LBSWLI1  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 97CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1000.4 lumens  
Efficiency: N/A  
Efficacy: 69.5 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

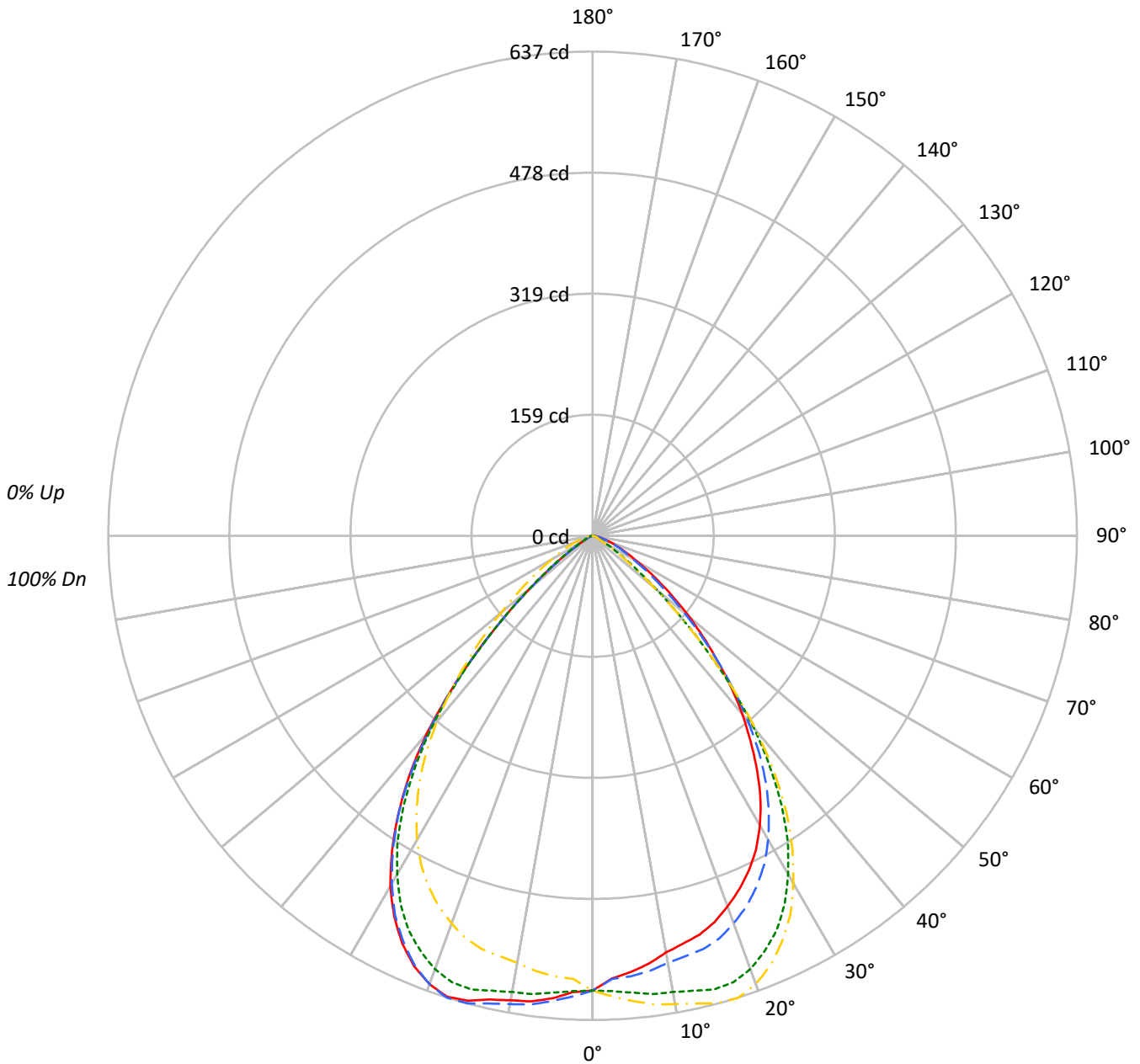
Input Watts (W): 14.39  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	98	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	70	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°	32799	32799	32799	32799
5°	31703	33194	33618	33194
10°	30978	33928	34546	33928
15°	30834	35063	35937	35063
20°	30272	35394	36613	35394
25°	29409	34635	35815	34635
30°	27865	32543	33689	32543
35°	25263	28998	29787	28998
40°	21934	23630	24224	23630
45°	17986	16312	16420	16312
50°	14140	9151	8972	9151
55°	10456	4530	4062	4530
60°	7412	1984	1447	1984
65°	5513	1271	908	1271
70°	4023	1010	673	1010
75°	2944	741	445	741
80°	1989	663	221	663
85°	1321	440	440	440



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.3	5.7
10°-20°	169.6	17.0
20°-30°	253.2	25.3
30°-40°	260.1	26.0
40°-50°	168.4	16.8
50°-60°	62.6	6.3
60°-70°	20.6	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°	480.1	48.0
0°-40°	740.2	74.0
0°-60°	971.3	97.1
0°-90°	1000.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1000.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	598	598	598	598	598	
5°	576	603	611	603	576	54
15°	543	618	633	618	543	153
25°	486	573	592	573	486	223
35°	378	433	445	433	378	234
45°	232	210	212	210	232	179
55°	109	47	42	47	109	100
65°	42	10	7	10	42	43
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°	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3
2.5°	583.0	591.4	585.8	589.3	583.7	583.7	594.9	588.6	593.5	588.6	583.7
5°	576.1	586.5	579.5	583.0	578.1	578.8	589.3	584.4	589.3	585.8	581.6
7.5°	567.7	578.1	571.9	575.4	570.5	571.9	583.0	578.1	583.7	580.2	577.4
10°	556.5	567.7	562.1	565.6	561.4	562.1	573.3	569.8	574.7	572.6	570.5
12.5°	549.6	560.0	553.8	557.2	554.5	555.9	566.3	563.5	569.8	567.7	566.3
15°	543.3	553.1	547.5	551.0	548.9	549.6	560.7	557.9	564.9	563.5	562.8
17.5°	532.9	543.3	537.0	541.2	539.1	539.8	551.0	548.9	555.9	555.9	555.2
20°	518.9	529.4	524.5	527.3	525.9	527.3	537.0	535.7	542.6	542.6	542.6
22.5°	503.6	514.1	508.5	511.3	509.9	512.0	521.0	521.0	526.6	527.3	528.0
25°	486.2	496.6	491.1	494.6	493.2	494.6	502.9	503.6	508.5	508.5	509.9
27.5°	465.3	475.7	470.2	473.0	472.3	473.0	482.0	483.4	486.2	486.9	488.3
30°	440.2	450.0	444.4	447.2	447.2	447.2	456.2	456.9	459.7	460.4	461.8
32.5°	411.0	419.3	415.1	417.9	417.2	418.6	424.9	427.7	431.2	430.5	431.2
35°	377.5	386.6	382.4	384.5	385.2	387.3	391.5	394.9	395.6	396.3	397.7
37.5°	341.3	350.4	346.2	348.3	349.0	353.2	354.5	358.0	359.4	359.4	359.4
40°	306.5	310.7	307.2	309.3	310.0	313.5	314.8	317.6	319.0	318.3	317.6
42.5°	268.9	272.4	268.9	271.0	271.0	273.7	274.4	277.9	277.9	276.5	274.4
45°	232.0	235.4	232.0	233.3	233.3	236.1	236.1	236.1	237.5	235.4	232.0
47.5°	197.1	200.6	197.1	198.5	197.8	199.9	199.2	199.9	197.8	196.4	192.2
50°	165.8	167.2	165.8	165.1	165.8	167.2	166.5	166.5	163.7	161.6	156.7
52.5°	135.1	137.2	135.1	135.1	135.1	136.5	136.5	135.8	133.0	130.3	125.4
55°	109.4	110.8	110.1	109.4	109.4	110.8	109.4	109.4	106.6	104.5	99.6
57.5°	87.1	87.8	87.1	87.1	87.1	87.8	87.8	86.4	84.3	82.2	78.7
60°	67.6	68.3	68.3	67.6	67.6	69.0	69.0	68.3	66.2	64.8	61.3
62.5°	53.6	53.6	53.6	53.6	53.6	54.3	54.3	54.3	52.9	51.5	48.8
65°	42.5	43.2	42.5	42.5	43.2	43.9	43.2	43.9	42.5	41.8	39.7
67.5°	32.7	33.4	32.7	33.4	33.4	34.1	33.4	34.1	32.7	32.0	30.6
70°	25.1	25.1	25.1	25.1	25.1	25.8	25.1	25.8	25.1	24.4	23.0
72.5°	18.8	18.8	19.5	19.5	18.8	19.5	18.8	18.8	18.8	18.1	17.4
75°	13.9	13.9	14.6	13.9	13.9	13.9	13.9	13.9	13.2	13.2	12.5
77.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.1	9.1	8.4
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°	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3
2.5°	589.3	591.4	591.4	589.3	594.2	590.0	598.3	590.7	592.8	599.7	599.0
5°	587.2	590.0	590.7	589.3	595.6	592.1	600.4	592.8	596.3	603.2	603.2
7.5°	584.4	587.9	589.3	590.7	596.3	592.8	602.5	594.9	599.7	608.1	607.4
10°	578.1	583.0	585.8	587.9	593.5	591.4	601.8	595.6	599.7	609.5	608.8
12.5°	574.7	580.2	584.4	587.9	594.2	592.8	603.2	597.6	603.2	613.0	613.0
15°	571.9	578.1	583.0	589.3	595.6	594.2	605.3	600.4	606.0	617.8	617.1
17.5°	564.9	572.6	577.4	584.4	590.7	590.0	601.8	598.3	604.6	615.8	616.5
20°	553.1	560.0	565.6	574.0	580.9	579.5	592.1	588.6	594.9	606.7	607.4
22.5°	537.7	544.7	550.3	559.3	565.6	564.9	577.4	574.0	580.2	591.4	592.1
25°	519.6	525.9	531.5	539.8	546.8	546.8	557.9	554.5	561.4	572.6	572.6
27.5°	497.3	502.9	507.8	517.5	523.1	523.1	533.6	530.1	537.0	546.8	546.1
30°	470.2	475.1	479.2	487.6	492.5	493.2	502.2	498.7	505.7	514.1	514.1
32.5°	437.4	442.3	445.1	455.5	459.0	458.3	465.3	461.8	468.8	477.8	475.7
35°	402.6	404.7	406.8	417.2	418.6	415.8	422.8	419.3	424.2	433.3	431.9
37.5°	362.9	363.6	363.6	372.7	373.4	371.3	375.4	371.3	374.7	383.1	382.4
40°	319.0	318.3	317.6	324.6	323.9	319.7	322.5	319.0	323.9	330.2	326.7
42.5°	274.4	272.4	269.6	273.1	270.3	266.8	268.2	262.6	266.1	271.0	266.8
45°	230.6	226.4	220.8	221.5	218.0	213.8	211.8	206.2	205.5	210.4	206.9
47.5°	189.5	181.1	176.2	173.4	167.9	164.4	160.2	153.9	151.2	153.9	150.5
50°	152.5	144.2	137.9	131.6	126.1	121.9	114.9	110.8	106.6	107.3	104.5
52.5°	120.5	114.9	104.5	99.6	94.0	89.2	82.9	78.0	73.1	73.1	70.4
55°	95.4	87.8	80.8	73.8	68.3	64.1	57.8	52.9	48.1	47.4	44.6
57.5°	73.8	68.3	60.6	53.6	50.2	46.0	39.7	34.1	31.3	29.3	27.2
60°	57.1	51.5	45.3	39.7	35.5	32.7	26.5	22.3	19.5	18.1	16.0
62.5°	46.0	41.1	35.5	30.0	27.2	24.4	19.5	16.0	13.2	11.8	10.4
65°	36.9	32.7	28.6	24.4	22.3	19.5	16.0	13.2	11.1	9.8	8.4
67.5°	28.6	25.8	22.3	19.5	17.4	15.3	12.5	10.4	9.1	7.7	7.0
70°	21.6	19.5	17.4	14.6	13.2	11.8	9.8	7.7	7.0	6.3	5.6
72.5°	16.7	14.6	12.5	11.1	9.8	9.1	7.7	6.3	5.6	4.9	4.2
75°	11.1	10.4	9.1	7.7	7.0	6.3	5.6	4.9	4.2	3.5	3.5
77.5°	7.7	7.0	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°	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3
2.5°	593.5	599.7	599.7	605.3	606.0	604.6	598.3	598.3	606.7	611.6	603.2
5°	599.0	605.3	605.3	610.9	613.7	611.6	605.3	606.0	614.4	619.9	611.6
7.5°	603.9	610.2	611.6	617.8	619.9	617.8	611.6	613.0	622.0	626.9	618.5
10°	606.0	612.3	613.0	619.9	622.7	619.9	615.1	615.8	625.5	629.0	621.3
12.5°	610.9	617.1	617.1	624.8	627.6	625.5	619.2	620.6	630.4	633.9	626.2
15°	615.8	622.0	622.0	630.4	633.9	631.1	626.2	626.9	636.7	640.1	633.9
17.5°	615.8	621.3	621.3	630.4	633.9	631.8	626.2	626.9	637.3	640.1	633.9
20°	606.7	613.0	611.6	620.6	624.1	622.0	617.1	617.1	627.6	630.4	624.1
22.5°	592.1	597.6	596.3	604.6	608.8	606.0	601.8	601.1	611.6	614.4	608.1
25°	571.9	577.4	576.1	584.4	588.6	585.1	580.2	580.9	589.3	593.5	587.9
27.5°	548.2	551.7	549.6	557.9	562.1	558.6	553.8	554.5	562.8	565.6	561.4
30°	516.1	518.9	516.8	523.8	526.6	524.5	520.3	520.3	528.0	531.5	527.3
32.5°	477.8	479.9	477.8	483.4	489.0	484.8	480.6	480.6	489.0	491.8	486.9
35°	433.3	435.3	434.0	439.5	443.7	438.1	434.7	433.3	444.4	443.0	440.2
37.5°	383.8	385.2	381.0	390.8	392.9	386.6	383.8	382.4	392.2	391.5	388.7
40°	328.1	329.5	326.7	333.7	334.3	329.5	327.4	325.3	335.0	334.3	332.3
42.5°	268.9	269.6	266.1	271.7	273.1	268.2	267.5	264.7	273.7	272.4	271.7
45°	207.6	207.6	204.8	209.0	210.4	206.2	204.8	204.1	210.4	210.4	209.0
47.5°	150.5	148.4	144.9	151.2	151.8	149.1	148.4	146.3	152.5	152.5	151.2
50°	103.1	102.4	101.7	103.1	103.8	100.3	102.4	100.3	103.8	103.8	103.8
52.5°	69.0	68.3	66.9	68.3	68.3	66.2	66.2	65.5	68.3	68.3	66.9
55°	43.2	42.5	41.8	42.5	42.5	40.4	41.8	40.4	41.8	41.8	41.1
57.5°	26.5	25.1	25.1	24.4	24.4	23.0	23.7	23.7	23.7	23.7	23.7
60°	15.3	14.6	13.9	13.9	13.9	13.2	13.2	13.2	13.2	13.2	13.2
62.5°	9.8	9.8	9.1	9.1	9.1	9.1	9.1	8.4	9.1	9.1	9.1
65°	8.4	7.7	7.7	7.7	7.7	7.0	7.0	7.0	7.0	7.0	7.0
67.5°	7.0	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°	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3
2.5°	613.0	606.0	602.5	609.5	612.3	608.8	606.0	601.1	606.0	608.8	612.3
5°	621.3	615.1	612.3	617.1	621.3	617.8	615.8	610.9	615.8	617.8	621.3
7.5°	629.0	622.7	619.2	624.1	629.0	624.1	622.0	617.8	622.0	624.1	629.0
10°	631.8	624.8	622.0	626.2	631.1	626.2	623.4	620.6	623.4	626.2	631.1
12.5°	636.7	629.7	626.2	629.7	634.6	629.7	626.9	624.8	626.9	629.7	634.6
15°	643.6	637.3	633.2	636.7	642.9	637.3	633.9	633.2	633.9	637.3	642.9
17.5°	643.6	638.7	634.6	637.3	643.6	639.4	634.6	636.0	634.6	639.4	643.6
20°	634.6	629.7	626.2	626.2	635.3	629.7	625.5	627.6	625.5	629.7	635.3
22.5°	618.5	614.4	610.9	610.2	619.2	614.4	608.8	613.0	608.8	614.4	619.2
25°	597.6	593.5	590.7	589.3	598.3	592.8	587.9	592.1	587.9	592.8	598.3
27.5°	570.5	567.0	564.2	562.1	570.5	565.6	560.7	564.9	560.7	565.6	570.5
30°	535.7	533.6	530.8	528.0	536.3	531.5	526.6	532.2	526.6	531.5	536.3
32.5°	495.3	493.9	490.4	487.6	495.9	490.4	486.9	491.1	486.9	490.4	495.9
35°	448.6	446.5	444.4	439.5	448.6	443.7	443.7	445.1	443.7	443.7	448.6
37.5°	396.3	394.9	392.2	388.0	395.6	392.2	390.8	394.9	390.8	392.2	395.6
40°	337.8	337.1	335.0	330.2	338.5	335.0	333.0	338.5	333.0	335.0	338.5
42.5°	276.5	275.1	273.1	272.4	276.5	273.7	275.8	275.8	275.8	273.7	276.5
45°	213.1	211.8	210.4	207.6	212.4	211.1	210.4	211.8	210.4	211.1	212.4
47.5°	154.6	153.2	151.8	149.8	154.6	152.5	152.5	153.9	152.5	152.5	154.6
50°	103.8	104.5	103.8	102.4	103.8	103.1	103.8	105.2	103.8	103.1	103.8
52.5°	69.0	69.0	67.6	66.9	68.3	67.6	69.7	68.3	69.7	67.6	68.3
55°	41.8	42.5	41.8	41.1	41.8	41.1	43.2	42.5	43.2	41.1	41.8
57.5°	23.7	23.7	24.4	23.7	25.1	24.4	24.4	24.4	24.4	24.4	25.1
60°	13.2	13.2	13.2	13.2	13.2	13.2	13.9	13.2	13.9	13.2	13.2
62.5°	9.1	9.1	9.1	8.4	9.1	8.4	9.1	9.1	9.1	8.4	9.1
65°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
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



TEST NUMBER: P212794

CATALOG NUMBER: LD6B15D010 EU6B10209727 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3
2.5°	609.5	602.5	606.0	613.0	603.2	611.6	606.7	598.3	598.3	604.6	606.0
5°	617.1	612.3	615.1	621.3	611.6	619.9	614.4	606.0	605.3	611.6	613.7
7.5°	624.1	619.2	622.7	629.0	618.5	626.9	622.0	613.0	611.6	617.8	619.9
10°	626.2	622.0	624.8	631.8	621.3	629.0	625.5	615.8	615.1	619.9	622.7
12.5°	629.7	626.2	629.7	636.7	626.2	633.9	630.4	620.6	619.2	625.5	627.6
15°	636.7	633.2	637.3	643.6	633.9	640.1	636.7	626.9	626.2	631.1	633.9
17.5°	637.3	634.6	638.7	643.6	633.9	640.1	637.3	626.9	626.2	631.8	633.9
20°	626.2	626.2	629.7	634.6	624.1	630.4	627.6	617.1	617.1	622.0	624.1
22.5°	610.2	610.9	614.4	618.5	608.1	614.4	611.6	601.1	601.8	606.0	608.8
25°	589.3	590.7	593.5	597.6	587.9	593.5	589.3	580.9	580.2	585.1	588.6
27.5°	562.1	564.2	567.0	570.5	561.4	565.6	562.8	554.5	553.8	558.6	562.1
30°	528.0	530.8	533.6	535.7	527.3	531.5	528.0	520.3	520.3	524.5	526.6
32.5°	487.6	490.4	493.9	495.3	486.9	491.8	489.0	480.6	480.6	484.8	489.0
35°	439.5	444.4	446.5	448.6	440.2	443.0	444.4	433.3	434.7	438.1	443.7
37.5°	388.0	392.2	394.9	396.3	388.7	391.5	392.2	382.4	383.8	386.6	392.9
40°	330.2	335.0	337.1	337.8	332.3	334.3	335.0	325.3	327.4	329.5	334.3
42.5°	272.4	273.1	275.1	276.5	271.7	272.4	273.7	264.7	267.5	268.2	273.1
45°	207.6	210.4	211.8	213.1	209.0	210.4	210.4	204.1	204.8	206.2	210.4
47.5°	149.8	151.8	153.2	154.6	151.2	152.5	152.5	146.3	148.4	149.1	151.8
50°	102.4	103.8	104.5	103.8	103.8	103.8	103.8	100.3	102.4	100.3	103.8
52.5°	66.9	67.6	69.0	69.0	66.9	68.3	68.3	65.5	66.2	66.2	68.3
55°	41.1	41.8	42.5	41.8	41.1	41.8	41.8	40.4	41.8	40.4	42.5
57.5°	23.7	24.4	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.0	24.4
60°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.9
62.5°	8.4	9.1	9.1	9.1	9.1	9.1	9.1	8.4	9.1	9.1	9.1
65°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.7
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°	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3
2.5°	605.3	599.7	599.7	593.5	599.0	599.7	592.8	590.7	598.3	590.0	594.2
5°	610.9	605.3	605.3	599.0	603.2	603.2	596.3	592.8	600.4	592.1	595.6
7.5°	617.8	611.6	610.2	603.9	607.4	608.1	599.7	594.9	602.5	592.8	596.3
10°	619.9	613.0	612.3	606.0	608.8	609.5	599.7	595.6	601.8	591.4	593.5
12.5°	624.8	617.1	617.1	610.9	613.0	613.0	603.2	597.6	603.2	592.8	594.2
15°	630.4	622.0	622.0	615.8	617.1	617.8	606.0	600.4	605.3	594.2	595.6
17.5°	630.4	621.3	621.3	615.8	616.5	615.8	604.6	598.3	601.8	590.0	590.7
20°	620.6	611.6	613.0	606.7	607.4	606.7	594.9	588.6	592.1	579.5	580.9
22.5°	604.6	596.3	597.6	592.1	592.1	591.4	580.2	574.0	577.4	564.9	565.6
25°	584.4	576.1	577.4	571.9	572.6	572.6	561.4	554.5	557.9	546.8	546.8
27.5°	557.9	549.6	551.7	548.2	546.1	546.8	537.0	530.1	533.6	523.1	523.1
30°	523.8	516.8	518.9	516.1	514.1	514.1	505.7	498.7	502.2	493.2	492.5
32.5°	483.4	477.8	479.9	477.8	475.7	477.8	468.8	461.8	465.3	458.3	459.0
35°	439.5	434.0	435.3	433.3	431.9	433.3	424.2	419.3	422.8	415.8	418.6
37.5°	390.8	381.0	385.2	383.8	382.4	383.1	374.7	371.3	375.4	371.3	373.4
40°	333.7	326.7	329.5	328.1	326.7	330.2	323.9	319.0	322.5	319.7	323.9
42.5°	271.7	266.1	269.6	268.9	266.8	271.0	266.1	262.6	268.2	266.8	270.3
45°	209.0	204.8	207.6	207.6	206.9	210.4	205.5	206.2	211.8	213.8	218.0
47.5°	151.2	144.9	148.4	150.5	150.5	153.9	151.2	153.9	160.2	164.4	167.9
50°	103.1	101.7	102.4	103.1	104.5	107.3	106.6	110.8	114.9	121.9	126.1
52.5°	68.3	66.9	68.3	69.0	70.4	73.1	73.1	78.0	82.9	89.2	94.0
55°	42.5	41.8	42.5	43.2	44.6	47.4	48.1	52.9	57.8	64.1	68.3
57.5°	24.4	25.1	25.1	26.5	27.2	29.3	31.3	34.1	39.7	46.0	50.2
60°	13.9	13.9	14.6	15.3	16.0	18.1	19.5	22.3	26.5	32.7	35.5
62.5°	9.1	9.1	9.8	9.8	10.4	11.8	13.2	16.0	19.5	24.4	27.2
65°	7.7	7.7	7.7	8.4	8.4	9.8	11.1	13.2	16.0	19.5	22.3
67.5°	6.3	6.3	6.3	7.0	7.0	7.7	9.1	10.4	12.5	15.3	17.4
70°	4.9	4.9	4.9	5.6	5.6	6.3	7.0	7.7	9.8	11.8	13.2
72.5°	3.5	3.5	4.2	4.2	4.2	4.9	5.6	6.3	7.7	9.1	9.8
75°	2.8	2.8	2.8	2.8	3.5	3.5	4.2	4.9	5.6	6.3	7.0
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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CATALOG NUMBER: LD6B15D010 EU6B10209727 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3	598.3
2.5°	589.3	591.4	591.4	589.3	583.7	588.6	593.5	588.6	594.9	583.7	583.7
5°	589.3	590.7	590.0	587.2	581.6	585.8	589.3	584.4	589.3	578.8	578.1
7.5°	590.7	589.3	587.9	584.4	577.4	580.2	583.7	578.1	583.0	571.9	570.5
10°	587.9	585.8	583.0	578.1	570.5	572.6	574.7	569.8	573.3	562.1	561.4
12.5°	587.9	584.4	580.2	574.7	566.3	567.7	569.8	563.5	566.3	555.9	554.5
15°	589.3	583.0	578.1	571.9	562.8	563.5	564.9	557.9	560.7	549.6	548.9
17.5°	584.4	577.4	572.6	564.9	555.2	555.9	555.9	548.9	551.0	539.8	539.1
20°	574.0	565.6	560.0	553.1	542.6	542.6	542.6	535.7	537.0	527.3	525.9
22.5°	559.3	550.3	544.7	537.7	528.0	527.3	526.6	521.0	521.0	512.0	509.9
25°	539.8	531.5	525.9	519.6	509.9	508.5	508.5	503.6	502.9	494.6	493.2
27.5°	517.5	507.8	502.9	497.3	488.3	486.9	486.2	483.4	482.0	473.0	472.3
30°	487.6	479.2	475.1	470.2	461.8	460.4	459.7	456.9	456.2	447.2	447.2
32.5°	455.5	445.1	442.3	437.4	431.2	430.5	431.2	427.7	424.9	418.6	417.2
35°	417.2	406.8	404.7	402.6	397.7	396.3	395.6	394.9	391.5	387.3	385.2
37.5°	372.7	363.6	363.6	362.9	359.4	359.4	359.4	358.0	354.5	353.2	349.0
40°	324.6	317.6	318.3	319.0	317.6	318.3	319.0	317.6	314.8	313.5	310.0
42.5°	273.1	269.6	272.4	274.4	274.4	276.5	277.9	277.9	274.4	273.7	271.0
45°	221.5	220.8	226.4	230.6	232.0	235.4	237.5	236.1	236.1	236.1	233.3
47.5°	173.4	176.2	181.1	189.5	192.2	196.4	197.8	199.9	199.2	199.9	197.8
50°	131.6	137.9	144.2	152.5	156.7	161.6	163.7	166.5	166.5	167.2	165.8
52.5°	99.6	104.5	114.9	120.5	125.4	130.3	133.0	135.8	136.5	136.5	135.1
55°	73.8	80.8	87.8	95.4	99.6	104.5	106.6	109.4	109.4	110.8	109.4
57.5°	53.6	60.6	68.3	73.8	78.7	82.2	84.3	86.4	87.8	87.8	87.1
60°	39.7	45.3	51.5	57.1	61.3	64.8	66.2	68.3	69.0	69.0	67.6
62.5°	30.0	35.5	41.1	46.0	48.8	51.5	52.9	54.3	54.3	54.3	53.6
65°	24.4	28.6	32.7	36.9	39.7	41.8	42.5	43.9	43.2	43.9	43.2
67.5°	19.5	22.3	25.8	28.6	30.6	32.0	32.7	34.1	33.4	34.1	33.4
70°	14.6	17.4	19.5	21.6	23.0	24.4	25.1	25.8	25.1	25.8	25.1
72.5°	11.1	12.5	14.6	16.7	17.4	18.1	18.8	18.8	18.8	19.5	18.8
75°	7.7	9.1	10.4	11.1	12.5	13.2	13.2	13.9	13.9	13.9	13.9
77.5°	5.6	6.3	7.0	7.7	8.4	9.1	9.1	9.8	9.8	9.8	9.8
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



TEST NUMBER: P212794

CATALOG NUMBER: LD6B15D010 EU6B10209727 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	598.3	598.3	598.3	598.3
2.5°	589.3	585.8	591.4	583.0
5°	583.0	579.5	586.5	576.1
7.5°	575.4	571.9	578.1	567.7
10°	565.6	562.1	567.7	556.5
12.5°	557.2	553.8	560.0	549.6
15°	551.0	547.5	553.1	543.3
17.5°	541.2	537.0	543.3	532.9
20°	527.3	524.5	529.4	518.9
22.5°	511.3	508.5	514.1	503.6
25°	494.6	491.1	496.6	486.2
27.5°	473.0	470.2	475.7	465.3
30°	447.2	444.4	450.0	440.2
32.5°	417.9	415.1	419.3	411.0
35°	384.5	382.4	386.6	377.5
37.5°	348.3	346.2	350.4	341.3
40°	309.3	307.2	310.7	306.5
42.5°	271.0	268.9	272.4	268.9
45°	233.3	232.0	235.4	232.0
47.5°	198.5	197.1	200.6	197.1
50°	165.1	165.8	167.2	165.8
52.5°	135.1	135.1	137.2	135.1
55°	109.4	110.1	110.8	109.4
57.5°	87.1	87.1	87.8	87.1
60°	67.6	68.3	68.3	67.6
62.5°	53.6	53.6	53.6	53.6
65°	42.5	42.5	43.2	42.5
67.5°	33.4	32.7	33.4	32.7
70°	25.1	25.1	25.1	25.1
72.5°	19.5	19.5	18.8	18.8
75°	13.9	14.6	13.9	13.9
77.5°	9.8	9.8	9.8	9.8
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)