

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: P212771

Luminaire Tested: **LD6B10D010 EU6B10208030 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212771
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: LD6B10D010 EU6B10208030 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1015.7 lumens
Efficiency: N/A
Efficacy: 101.1 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

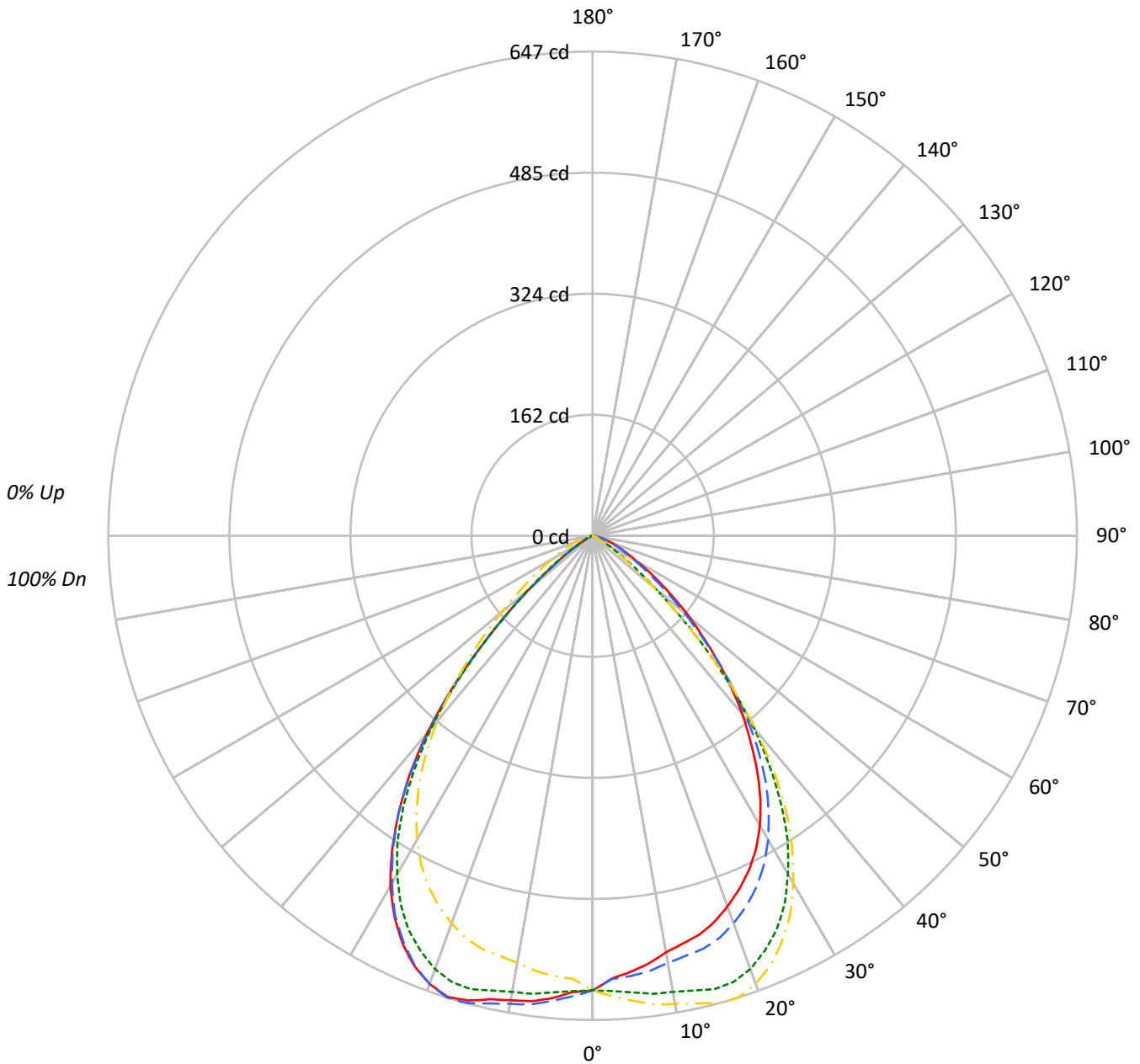
Input Watts (W): 10.05
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212771

CATALOG NUMBER: LD6B10D010 EU6B10208030 6LBSWL11

Luminous Intensity Polar Plot





TEST NUMBER: P212771

CATALOG NUMBER: LD6B10D010 EU6B10208030 6LBSWLI1

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	33303	33303	33303	33303
5°	32187	33706	34129	33706
10°	31457	34446	35075	34446
15°	31306	35602	36487	35602
20°	30739	35936	37173	35936
25°	29857	35161	36359	35161
30°	28295	33037	34201	33037
35°	25652	29439	30243	29439
40°	22270	23988	24596	23988
45°	18258	16560	16668	16560
50°	14353	9288	9108	9288
55°	10609	4597	4119	4597
60°	7521	2017	1469	2017
65°	5591	1284	921	1284
70°	4087	1026	673	1026
75°	2987	741	445	741
80°	2020	663	221	663
85°	1321	440	440	440



TEST NUMBER: P212771

CATALOG NUMBER: LD6B10D010 EU6B10208030 6LBSWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	5.7
10°-20°	172.2	17.0
20°-30°	257.0	25.3
30°-40°	264.1	26.0
40°-50°	171.0	16.8
50°-60°	63.6	6.3
60°-70°	20.9	2.1
70°-80°	7.4	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°	487.5	48.0
0°-40°	751.6	74.0
0°-60°	986.2	97.1
0°-90°	1015.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1015.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	608	608	608	608	608	
5°	585	612	620	612	585	55
15°	552	627	643	627	552	155
25°	494	581	601	581	494	226
35°	383	440	452	440	383	238
45°	236	214	215	214	236	182
55°	111	48	43	48	111	101
65°	43	10	7	10	43	44
75°	14	4	2	4	14	16
85°	2	1	1	1	2	3
90°	0	0	0	0	0	



TEST NUMBER: P212771

CATALOG NUMBER: LD6B10D010 EU6B10208030 6LBSWLI1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5
2.5°	592.0	600.4	594.8	598.3	592.7	592.7	604.0	597.6	602.6	597.6	592.7
5°	584.9	595.5	588.4	592.0	587.0	587.7	598.3	593.4	598.3	594.8	590.5
7.5°	576.4	587.0	580.6	584.2	579.2	580.6	592.0	587.0	592.7	589.1	586.3
10°	565.1	576.4	570.7	574.3	570.0	570.7	582.1	578.5	583.5	581.3	579.2
12.5°	558.0	568.6	562.3	565.8	563.0	564.4	575.0	572.2	578.5	576.4	575.0
15°	551.6	561.5	555.9	559.4	557.3	558.0	569.3	566.5	573.6	572.2	571.4
17.5°	541.0	551.6	545.3	549.5	547.4	548.1	559.4	557.3	564.4	564.4	563.7
20°	526.9	537.5	532.5	535.4	534.0	535.4	545.3	543.9	550.9	550.9	550.9
22.5°	511.3	521.9	516.3	519.1	517.7	519.8	529.0	529.0	534.7	535.4	536.1
25°	493.6	504.3	498.6	502.1	500.7	502.1	510.6	511.3	516.3	516.3	517.7
27.5°	472.4	483.0	477.4	480.2	479.5	480.2	489.4	490.8	493.6	494.4	495.8
30°	447.0	456.9	451.2	454.0	454.0	454.0	463.2	463.9	466.8	467.5	468.9
32.5°	417.3	425.8	421.5	424.3	423.6	425.0	431.4	434.2	437.8	437.1	437.8
35°	383.3	392.5	388.3	390.4	391.1	393.2	397.5	401.0	401.7	402.4	403.8
37.5°	346.5	355.7	351.5	353.6	354.3	358.6	360.0	363.5	364.9	364.9	364.9
40°	311.2	315.4	311.9	314.0	314.7	318.3	319.7	322.5	323.9	323.2	322.5
42.5°	273.0	276.5	273.0	275.1	275.1	277.9	278.6	282.2	282.2	280.8	278.6
45°	235.5	239.0	235.5	236.9	236.9	239.8	239.8	239.8	241.2	239.0	235.5
47.5°	200.1	203.7	200.1	201.6	200.9	203.0	202.3	203.0	200.9	199.4	195.2
50°	168.3	169.7	168.3	167.6	168.3	169.7	169.0	169.0	166.2	164.1	159.1
52.5°	137.2	139.3	137.2	137.2	137.2	138.6	138.6	137.9	135.1	132.3	127.3
55°	111.0	112.5	111.7	111.0	111.0	112.5	111.0	111.0	108.2	106.1	101.1
57.5°	88.4	89.1	88.4	88.4	88.4	89.1	89.1	87.7	85.6	83.5	79.9
60°	68.6	69.3	69.3	68.6	68.6	70.0	70.0	69.3	67.2	65.8	62.2
62.5°	54.5	54.5	54.5	54.5	54.5	55.2	55.2	55.2	53.7	52.3	49.5
65°	43.1	43.8	43.1	43.1	43.8	44.6	43.8	44.6	43.1	42.4	40.3
67.5°	33.2	33.9	33.2	33.9	33.9	34.7	33.9	34.7	33.2	32.5	31.1
70°	25.5	25.5	25.5	25.5	25.5	26.2	25.5	26.2	25.5	24.8	23.3
72.5°	19.1	19.1	19.8	19.8	19.1	19.8	19.1	19.1	19.1	18.4	17.7
75°	14.1	14.1	14.9	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°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	5.7	5.7
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



TEST NUMBER: P212771

CATALOG NUMBER: LD6B10D010 EU6B10208030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5
2.5°	598.3	600.4	600.4	598.3	603.3	599.0	607.5	599.7	601.9	608.9	608.2
5°	596.2	599.0	599.7	598.3	604.7	601.1	609.6	601.9	605.4	612.5	612.5
7.5°	593.4	596.9	598.3	599.7	605.4	601.9	611.8	604.0	608.9	617.4	616.7
10°	587.0	592.0	594.8	596.9	602.6	600.4	611.0	604.7	608.9	618.8	618.1
12.5°	583.5	589.1	593.4	596.9	603.3	601.9	612.5	606.8	612.5	622.4	622.4
15°	580.6	587.0	592.0	598.3	604.7	603.3	614.6	609.6	615.3	627.3	626.6
17.5°	573.6	581.3	586.3	593.4	599.7	599.0	611.0	607.5	613.9	625.2	625.9
20°	561.5	568.6	574.3	582.8	589.8	588.4	601.1	597.6	604.0	616.0	616.7
22.5°	546.0	553.1	558.7	567.9	574.3	573.6	586.3	582.8	589.1	600.4	601.1
25°	527.6	534.0	539.6	548.1	555.2	555.2	566.5	563.0	570.0	581.3	581.3
27.5°	505.0	510.6	515.6	525.5	531.1	531.1	541.7	538.2	545.3	555.2	554.5
30°	477.4	482.3	486.6	495.1	500.0	500.7	509.9	506.4	513.5	521.9	521.9
32.5°	444.1	449.1	451.9	462.5	466.1	465.4	472.4	468.9	476.0	485.2	483.0
35°	408.8	410.9	413.0	423.6	425.0	422.2	429.3	425.8	430.7	439.9	438.5
37.5°	368.5	369.2	369.2	378.4	379.1	377.0	381.2	377.0	380.5	389.0	388.3
40°	323.9	323.2	322.5	329.6	328.9	324.6	327.4	323.9	328.9	335.2	331.7
42.5°	278.6	276.5	273.7	277.2	274.4	270.9	272.3	266.6	270.2	275.1	270.9
45°	234.1	229.9	224.2	224.9	221.4	217.1	215.0	209.3	208.6	213.6	210.0
47.5°	192.4	183.9	178.9	176.1	170.4	166.9	162.7	156.3	153.5	156.3	152.8
50°	154.9	146.4	140.0	133.7	128.0	123.8	116.7	112.5	108.2	108.9	106.1
52.5°	122.4	116.7	106.1	101.1	95.5	90.5	84.2	79.2	74.3	74.3	71.4
55°	96.9	89.1	82.0	75.0	69.3	65.1	58.7	53.7	48.8	48.1	45.3
57.5°	75.0	69.3	61.5	54.5	50.9	46.7	40.3	34.7	31.8	29.7	27.6
60°	58.0	52.3	46.0	40.3	36.1	33.2	26.9	22.6	19.8	18.4	16.3
62.5°	46.7	41.7	36.1	30.4	27.6	24.8	19.8	16.3	13.4	12.0	10.6
65°	37.5	33.2	29.0	24.8	22.6	19.8	16.3	13.4	11.3	9.9	8.5
67.5°	29.0	26.2	22.6	19.8	17.7	15.6	12.7	10.6	9.2	7.8	7.1
70°	21.9	19.8	17.7	14.9	13.4	12.0	9.9	7.8	7.1	6.4	5.7
72.5°	17.0	14.9	12.7	11.3	9.9	9.2	7.8	6.4	5.7	5.0	4.2
75°	11.3	10.6	9.2	7.8	7.1	6.4	5.7	5.0	4.2	3.5	3.5
77.5°	7.8	7.1	6.4	5.7	5.0	5.0	4.2	3.5	2.8	2.8	2.1
80°	5.0	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



TEST NUMBER: P212771

CATALOG NUMBER: LD6B10D010 EU6B10208030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5
2.5°	602.6	608.9	608.9	614.6	615.3	613.9	607.5	607.5	616.0	621.0	612.5
5°	608.2	614.6	614.6	620.2	623.1	621.0	614.6	615.3	623.8	629.4	621.0
7.5°	613.2	619.5	621.0	627.3	629.4	627.3	621.0	622.4	631.6	636.5	628.0
10°	615.3	621.7	622.4	629.4	632.3	629.4	624.5	625.2	635.1	638.6	630.9
12.5°	620.2	626.6	626.6	634.4	637.2	635.1	628.7	630.1	640.0	643.6	635.8
15°	625.2	631.6	631.6	640.0	643.6	640.8	635.8	636.5	646.4	649.9	643.6
17.5°	625.2	630.9	630.9	640.0	643.6	641.5	635.8	636.5	647.1	649.9	643.6
20°	616.0	622.4	621.0	630.1	633.7	631.6	626.6	626.6	637.2	640.0	633.7
22.5°	601.1	606.8	605.4	613.9	618.1	615.3	611.0	610.3	621.0	623.8	617.4
25°	580.6	586.3	584.9	593.4	597.6	594.1	589.1	589.8	598.3	602.6	596.9
27.5°	556.6	560.1	558.0	566.5	570.7	567.2	562.3	563.0	571.4	574.3	570.0
30°	524.1	526.9	524.8	531.8	534.7	532.5	528.3	528.3	536.1	539.6	535.4
32.5°	485.2	487.3	485.2	490.8	496.5	492.2	488.0	488.0	496.5	499.3	494.4
35°	439.9	442.0	440.6	446.3	450.5	444.8	441.3	439.9	451.2	449.8	447.0
37.5°	389.7	391.1	386.9	396.8	398.9	392.5	389.7	388.3	398.2	397.5	394.6
40°	333.1	334.5	331.7	338.8	339.5	334.5	332.4	330.3	340.2	339.5	337.4
42.5°	273.0	273.7	270.2	275.8	277.2	272.3	271.6	268.7	277.9	276.5	275.8
45°	210.8	210.8	207.9	212.2	213.6	209.3	207.9	207.2	213.6	213.6	212.2
47.5°	152.8	150.6	147.1	153.5	154.2	151.3	150.6	148.5	154.9	154.9	153.5
50°	104.7	104.0	103.3	104.7	105.4	101.8	104.0	101.8	105.4	105.4	105.4
52.5°	70.0	69.3	67.9	69.3	69.3	67.2	67.2	66.5	69.3	69.3	67.9
55°	43.8	43.1	42.4	43.1	43.1	41.0	42.4	41.0	42.4	42.4	41.7
57.5°	26.9	25.5	25.5	24.8	24.8	23.3	24.0	24.0	24.0	24.0	24.0
60°	15.6	14.9	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	6.4	6.4	6.4	6.4	5.7	5.7	5.7	5.7	5.7	5.7
70°	5.7	5.0	5.0	5.0	5.0	5.0	4.2	5.0	5.0	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



TEST NUMBER: P212771

CATALOG NUMBER: LD6B10D010 EU6B10208030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5
2.5°	622.4	615.3	611.8	618.8	621.7	618.1	615.3	610.3	615.3	618.1	621.7
5°	630.9	624.5	621.7	626.6	630.9	627.3	625.2	620.2	625.2	627.3	630.9
7.5°	638.6	632.3	628.7	633.7	638.6	633.7	631.6	627.3	631.6	633.7	638.6
10°	641.5	634.4	631.6	635.8	640.8	635.8	633.0	630.1	633.0	635.8	640.8
12.5°	646.4	639.3	635.8	639.3	644.3	639.3	636.5	634.4	636.5	639.3	644.3
15°	653.5	647.1	642.9	646.4	652.8	647.1	643.6	642.9	643.6	647.1	652.8
17.5°	653.5	648.5	644.3	647.1	653.5	649.2	644.3	645.7	644.3	649.2	653.5
20°	644.3	639.3	635.8	635.8	645.0	639.3	635.1	637.2	635.1	639.3	645.0
22.5°	628.0	623.8	620.2	619.5	628.7	623.8	618.1	622.4	618.1	623.8	628.7
25°	606.8	602.6	599.7	598.3	607.5	601.9	596.9	601.1	596.9	601.9	607.5
27.5°	579.2	575.7	572.9	570.7	579.2	574.3	569.3	573.6	569.3	574.3	579.2
30°	543.9	541.7	538.9	536.1	544.6	539.6	534.7	540.3	534.7	539.6	544.6
32.5°	502.8	501.4	497.9	495.1	503.5	497.9	494.4	498.6	494.4	497.9	503.5
35°	455.5	453.3	451.2	446.3	455.5	450.5	450.5	451.9	450.5	450.5	455.5
37.5°	402.4	401.0	398.2	393.9	401.7	398.2	396.8	401.0	396.8	398.2	401.7
40°	343.0	342.3	340.2	335.2	343.7	340.2	338.1	343.7	338.1	340.2	343.7
42.5°	280.8	279.4	277.2	276.5	280.8	277.9	280.1	280.1	280.1	277.9	280.8
45°	216.4	215.0	213.6	210.8	215.7	214.3	213.6	215.0	213.6	214.3	215.7
47.5°	157.0	155.6	154.2	152.1	157.0	154.9	154.9	156.3	154.9	154.9	157.0
50°	105.4	106.1	105.4	104.0	105.4	104.7	105.4	106.8	105.4	104.7	105.4
52.5°	70.0	70.0	68.6	67.9	69.3	68.6	70.7	69.3	70.7	68.6	69.3
55°	42.4	43.1	42.4	41.7	42.4	41.7	43.8	43.1	43.8	41.7	42.4
57.5°	24.0	24.0	24.8	24.0	25.5	24.8	24.8	24.8	24.8	24.8	25.5
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°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
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: P212771

CATALOG NUMBER: LD6B10D010 EU6B10208030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5
2.5°	618.8	611.8	615.3	622.4	612.5	621.0	616.0	607.5	607.5	613.9	615.3
5°	626.6	621.7	624.5	630.9	621.0	629.4	623.8	615.3	614.6	621.0	623.1
7.5°	633.7	628.7	632.3	638.6	628.0	636.5	631.6	622.4	621.0	627.3	629.4
10°	635.8	631.6	634.4	641.5	630.9	638.6	635.1	625.2	624.5	629.4	632.3
12.5°	639.3	635.8	639.3	646.4	635.8	643.6	640.0	630.1	628.7	635.1	637.2
15°	646.4	642.9	647.1	653.5	643.6	649.9	646.4	636.5	635.8	640.8	643.6
17.5°	647.1	644.3	648.5	653.5	643.6	649.9	647.1	636.5	635.8	641.5	643.6
20°	635.8	635.8	639.3	644.3	633.7	640.0	637.2	626.6	626.6	631.6	633.7
22.5°	619.5	620.2	623.8	628.0	617.4	623.8	621.0	610.3	611.0	615.3	618.1
25°	598.3	599.7	602.6	606.8	596.9	602.6	598.3	589.8	589.1	594.1	597.6
27.5°	570.7	572.9	575.7	579.2	570.0	574.3	571.4	563.0	562.3	567.2	570.7
30°	536.1	538.9	541.7	543.9	535.4	539.6	536.1	528.3	528.3	532.5	534.7
32.5°	495.1	497.9	501.4	502.8	494.4	499.3	496.5	488.0	488.0	492.2	496.5
35°	446.3	451.2	453.3	455.5	447.0	449.8	451.2	439.9	441.3	444.8	450.5
37.5°	393.9	398.2	401.0	402.4	394.6	397.5	398.2	388.3	389.7	392.5	398.9
40°	335.2	340.2	342.3	343.0	337.4	339.5	340.2	330.3	332.4	334.5	339.5
42.5°	276.5	277.2	279.4	280.8	275.8	276.5	277.9	268.7	271.6	272.3	277.2
45°	210.8	213.6	215.0	216.4	212.2	213.6	213.6	207.2	207.9	209.3	213.6
47.5°	152.1	154.2	155.6	157.0	153.5	154.9	154.9	148.5	150.6	151.3	154.2
50°	104.0	105.4	106.1	105.4	105.4	105.4	105.4	101.8	104.0	101.8	105.4
52.5°	67.9	68.6	70.0	70.0	67.9	69.3	69.3	66.5	67.2	67.2	69.3
55°	41.7	42.4	43.1	42.4	41.7	42.4	42.4	41.0	42.4	41.0	43.1
57.5°	24.0	24.8	24.0	24.0	24.0	24.0	24.0	24.0	24.0	23.3	24.8
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°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	6.4
70°	4.2	4.2	4.2	4.2	4.2	4.2	5.0	5.0	4.2	5.0	5.0
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



TEST NUMBER: P212771

CATALOG NUMBER: LD6B10D010 EU6B10208030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5
2.5°	614.6	608.9	608.9	602.6	608.2	608.9	601.9	599.7	607.5	599.0	603.3
5°	620.2	614.6	614.6	608.2	612.5	612.5	605.4	601.9	609.6	601.1	604.7
7.5°	627.3	621.0	619.5	613.2	616.7	617.4	608.9	604.0	611.8	601.9	605.4
10°	629.4	622.4	621.7	615.3	618.1	618.8	608.9	604.7	611.0	600.4	602.6
12.5°	634.4	626.6	626.6	620.2	622.4	622.4	612.5	606.8	612.5	601.9	603.3
15°	640.0	631.6	631.6	625.2	626.6	627.3	615.3	609.6	614.6	603.3	604.7
17.5°	640.0	630.9	630.9	625.2	625.9	625.2	613.9	607.5	611.0	599.0	599.7
20°	630.1	621.0	622.4	616.0	616.7	616.0	604.0	597.6	601.1	588.4	589.8
22.5°	613.9	605.4	606.8	601.1	601.1	600.4	589.1	582.8	586.3	573.6	574.3
25°	593.4	584.9	586.3	580.6	581.3	581.3	570.0	563.0	566.5	555.2	555.2
27.5°	566.5	558.0	560.1	556.6	554.5	555.2	545.3	538.2	541.7	531.1	531.1
30°	531.8	524.8	526.9	524.1	521.9	521.9	513.5	506.4	509.9	500.7	500.0
32.5°	490.8	485.2	487.3	485.2	483.0	485.2	476.0	468.9	472.4	465.4	466.1
35°	446.3	440.6	442.0	439.9	438.5	439.9	430.7	425.8	429.3	422.2	425.0
37.5°	396.8	386.9	391.1	389.7	388.3	389.0	380.5	377.0	381.2	377.0	379.1
40°	338.8	331.7	334.5	333.1	331.7	335.2	328.9	323.9	327.4	324.6	328.9
42.5°	275.8	270.2	273.7	273.0	270.9	275.1	270.2	266.6	272.3	270.9	274.4
45°	212.2	207.9	210.8	210.8	210.0	213.6	208.6	209.3	215.0	217.1	221.4
47.5°	153.5	147.1	150.6	152.8	152.8	156.3	153.5	156.3	162.7	166.9	170.4
50°	104.7	103.3	104.0	104.7	106.1	108.9	108.2	112.5	116.7	123.8	128.0
52.5°	69.3	67.9	69.3	70.0	71.4	74.3	74.3	79.2	84.2	90.5	95.5
55°	43.1	42.4	43.1	43.8	45.3	48.1	48.8	53.7	58.7	65.1	69.3
57.5°	24.8	25.5	25.5	26.9	27.6	29.7	31.8	34.7	40.3	46.7	50.9
60°	14.1	14.1	14.9	15.6	16.3	18.4	19.8	22.6	26.9	33.2	36.1
62.5°	9.2	9.2	9.9	9.9	10.6	12.0	13.4	16.3	19.8	24.8	27.6
65°	7.8	7.8	7.8	8.5	8.5	9.9	11.3	13.4	16.3	19.8	22.6
67.5°	6.4	6.4	6.4	7.1	7.1	7.8	9.2	10.6	12.7	15.6	17.7
70°	5.0	5.0	5.0	5.7	5.7	6.4	7.1	7.8	9.9	12.0	13.4
72.5°	3.5	3.5	4.2	4.2	4.2	5.0	5.7	6.4	7.8	9.2	9.9
75°	2.8	2.8	2.8	2.8	3.5	3.5	4.2	5.0	5.7	6.4	7.1
77.5°	1.4	1.4	2.1	2.1	2.1	2.8	2.8	3.5	4.2	5.0	5.0
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



TEST NUMBER: P212771

CATALOG NUMBER: LD6B10D010 EU6B10208030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5
2.5°	598.3	600.4	600.4	598.3	592.7	597.6	602.6	597.6	604.0	592.7	592.7
5°	598.3	599.7	599.0	596.2	590.5	594.8	598.3	593.4	598.3	587.7	587.0
7.5°	599.7	598.3	596.9	593.4	586.3	589.1	592.7	587.0	592.0	580.6	579.2
10°	596.9	594.8	592.0	587.0	579.2	581.3	583.5	578.5	582.1	570.7	570.0
12.5°	596.9	593.4	589.1	583.5	575.0	576.4	578.5	572.2	575.0	564.4	563.0
15°	598.3	592.0	587.0	580.6	571.4	572.2	573.6	566.5	569.3	558.0	557.3
17.5°	593.4	586.3	581.3	573.6	563.7	564.4	564.4	557.3	559.4	548.1	547.4
20°	582.8	574.3	568.6	561.5	550.9	550.9	550.9	543.9	545.3	535.4	534.0
22.5°	567.9	558.7	553.1	546.0	536.1	535.4	534.7	529.0	529.0	519.8	517.7
25°	548.1	539.6	534.0	527.6	517.7	516.3	516.3	511.3	510.6	502.1	500.7
27.5°	525.5	515.6	510.6	505.0	495.8	494.4	493.6	490.8	489.4	480.2	479.5
30°	495.1	486.6	482.3	477.4	468.9	467.5	466.8	463.9	463.2	454.0	454.0
32.5°	462.5	451.9	449.1	444.1	437.8	437.1	437.8	434.2	431.4	425.0	423.6
35°	423.6	413.0	410.9	408.8	403.8	402.4	401.7	401.0	397.5	393.2	391.1
37.5°	378.4	369.2	369.2	368.5	364.9	364.9	364.9	363.5	360.0	358.6	354.3
40°	329.6	322.5	323.2	323.9	322.5	323.2	323.9	322.5	319.7	318.3	314.7
42.5°	277.2	273.7	276.5	278.6	278.6	280.8	282.2	282.2	278.6	277.9	275.1
45°	224.9	224.2	229.9	234.1	235.5	239.0	241.2	239.8	239.8	239.8	236.9
47.5°	176.1	178.9	183.9	192.4	195.2	199.4	200.9	203.0	202.3	203.0	200.9
50°	133.7	140.0	146.4	154.9	159.1	164.1	166.2	169.0	169.0	169.7	168.3
52.5°	101.1	106.1	116.7	122.4	127.3	132.3	135.1	137.9	138.6	138.6	137.2
55°	75.0	82.0	89.1	96.9	101.1	106.1	108.2	111.0	111.0	112.5	111.0
57.5°	54.5	61.5	69.3	75.0	79.9	83.5	85.6	87.7	89.1	89.1	88.4
60°	40.3	46.0	52.3	58.0	62.2	65.8	67.2	69.3	70.0	70.0	68.6
62.5°	30.4	36.1	41.7	46.7	49.5	52.3	53.7	55.2	55.2	55.2	54.5
65°	24.8	29.0	33.2	37.5	40.3	42.4	43.1	44.6	43.8	44.6	43.8
67.5°	19.8	22.6	26.2	29.0	31.1	32.5	33.2	34.7	33.9	34.7	33.9
70°	14.9	17.7	19.8	21.9	23.3	24.8	25.5	26.2	25.5	26.2	25.5
72.5°	11.3	12.7	14.9	17.0	17.7	18.4	19.1	19.1	19.1	19.8	19.1
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°	5.7	6.4	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	5.0	5.7	5.7	6.4	6.4	6.4	6.4	6.4
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: P212771

CATALOG NUMBER: LD6B10D010 EU6B10208030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	607.5	607.5	607.5	607.5
2.5°	598.3	594.8	600.4	592.0
5°	592.0	588.4	595.5	584.9
7.5°	584.2	580.6	587.0	576.4
10°	574.3	570.7	576.4	565.1
12.5°	565.8	562.3	568.6	558.0
15°	559.4	555.9	561.5	551.6
17.5°	549.5	545.3	551.6	541.0
20°	535.4	532.5	537.5	526.9
22.5°	519.1	516.3	521.9	511.3
25°	502.1	498.6	504.3	493.6
27.5°	480.2	477.4	483.0	472.4
30°	454.0	451.2	456.9	447.0
32.5°	424.3	421.5	425.8	417.3
35°	390.4	388.3	392.5	383.3
37.5°	353.6	351.5	355.7	346.5
40°	314.0	311.9	315.4	311.2
42.5°	275.1	273.0	276.5	273.0
45°	236.9	235.5	239.0	235.5
47.5°	201.6	200.1	203.7	200.1
50°	167.6	168.3	169.7	168.3
52.5°	137.2	137.2	139.3	137.2
55°	111.0	111.7	112.5	111.0
57.5°	88.4	88.4	89.1	88.4
60°	68.6	69.3	69.3	68.6
62.5°	54.5	54.5	54.5	54.5
65°	43.1	43.1	43.8	43.1
67.5°	33.9	33.2	33.9	33.2
70°	25.5	25.5	25.5	25.5
72.5°	19.8	19.8	19.1	19.1
75°	14.1	14.9	14.1	14.1
77.5°	9.9	9.9	9.9	9.9
80°	6.4	6.4	6.4	6.4
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)