

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: P212777

Luminaire Tested: **LD6B10D010 EU6B10209030 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212777
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 EU6B10209030 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 867.4 lumens
Efficiency: N/A
Efficacy: 86.3 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

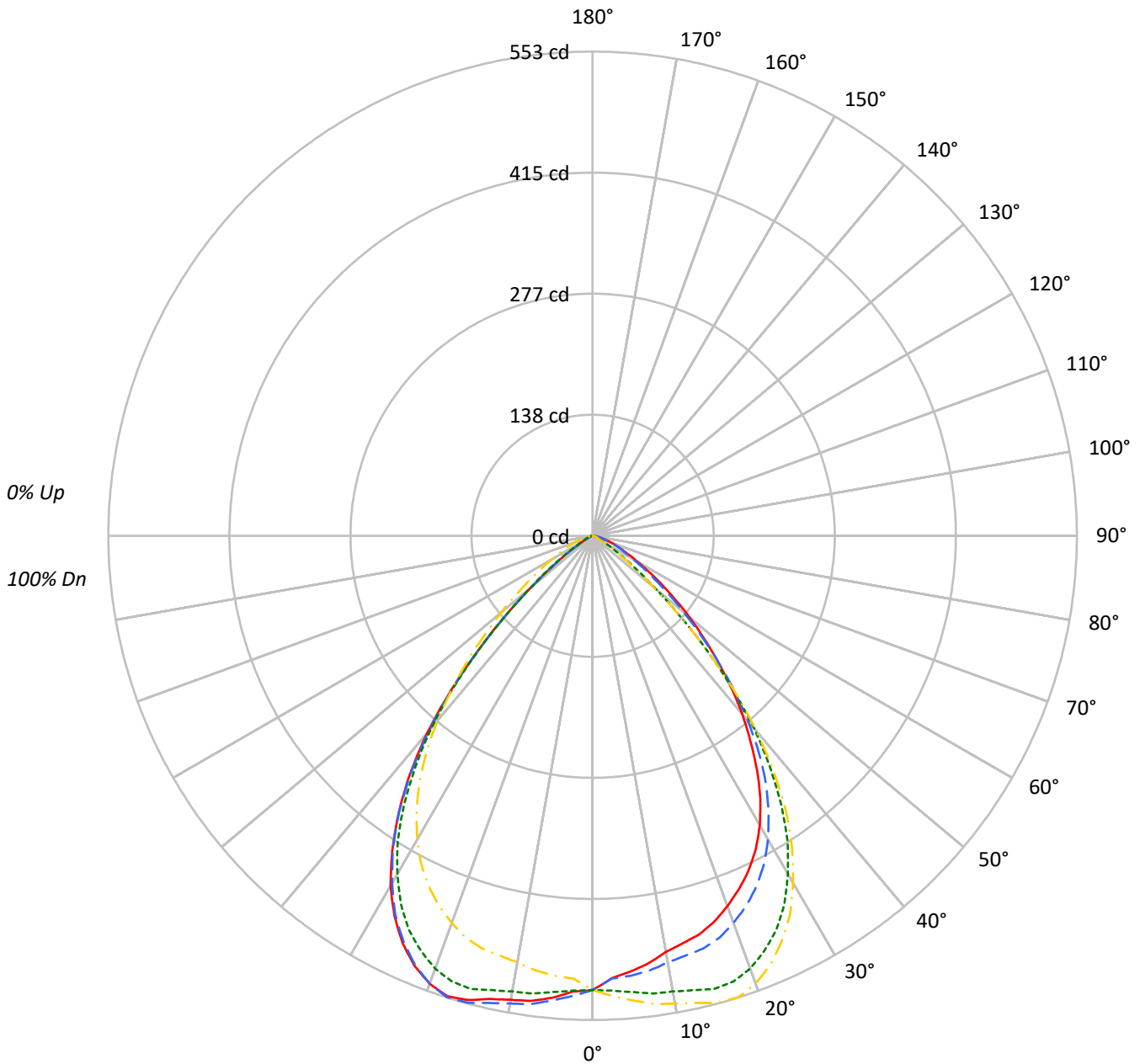
Input Watts (W): 10.05
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212777

CATALOG NUMBER: LD6B10D010 EU6B10209030 6LBSWL11

Luminous Intensity Polar Plot





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CATALOG NUMBER: LD6B10D010 EU6B10209030 6LBSWLI1

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°	28441	28441	28441	28441
5°	27487	28786	29149	28786
10°	26864	29419	29959	29419
15°	26737	30409	31158	30409
20°	26252	30692	31748	30692
25°	25501	30032	31054	30032
30°	24162	28220	29213	28220
35°	21911	25143	25832	25143
40°	19021	20488	21004	20488
45°	15591	14141	14234	14141
50°	12264	7932	7778	7932
55°	9061	3928	3517	3928
60°	6425	1721	1261	1721
65°	4774	1103	778	1103
70°	3478	866	577	866
75°	2563	635	381	635
80°	1705	568	189	568
85°	1132	377	377	377



TEST NUMBER: P212777

CATALOG NUMBER: LD6B10D010 EU6B10209030 6LBSWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.7	5.7
10°-20°	147.1	17.0
20°-30°	219.5	25.3
30°-40°	225.5	26.0
40°-50°	146.1	16.8
50°-60°	54.3	6.3
60°-70°	17.8	2.1
70°-80°	6.3	0.7
80°-90°	1.1	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°	416.3	48.0
0°-40°	641.9	74.0
0°-60°	842.2	97.1
0°-90°	867.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	867.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	519	519	519	519	519	
5°	500	523	530	523	500	47
15°	471	536	549	536	471	133
25°	422	496	513	496	422	193
35°	327	376	386	376	327	203
45°	201	182	184	182	201	156
55°	95	41	37	41	95	86
65°	37	8	6	8	37	37
75°	12	3	2	3	12	13
85°	2	1	1	1	2	2
90°	0	0	0	0	0	



TEST NUMBER: P212777

CATALOG NUMBER: LD6B10D010 EU6B10209030 6LBSWLI1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8
2.5°	505.6	512.8	508.0	511.0	506.2	506.2	515.8	510.4	514.6	510.4	506.2
5°	499.5	508.6	502.5	505.6	501.3	501.9	511.0	506.8	511.0	508.0	504.3
7.5°	492.3	501.3	495.9	498.9	494.7	495.9	505.6	501.3	506.2	503.1	500.7
10°	482.6	492.3	487.4	490.5	486.8	487.4	497.1	494.1	498.3	496.5	494.7
12.5°	476.6	485.6	480.2	483.2	480.8	482.0	491.1	488.6	494.1	492.3	491.1
15°	471.1	479.6	474.7	477.8	476.0	476.6	486.2	483.8	489.8	488.6	488.0
17.5°	462.1	471.1	465.7	469.3	467.5	468.1	477.8	476.0	482.0	482.0	481.4
20°	450.0	459.0	454.8	457.2	456.0	457.2	465.7	464.5	470.5	470.5	470.5
22.5°	436.7	445.8	440.9	443.3	442.1	443.9	451.8	451.8	456.6	457.2	457.8
25°	421.6	430.7	425.8	428.8	427.6	428.8	436.1	436.7	440.9	440.9	442.1
27.5°	403.5	412.5	407.7	410.1	409.5	410.1	418.0	419.2	421.6	422.2	423.4
30°	381.7	390.2	385.4	387.8	387.8	387.8	395.6	396.2	398.6	399.2	400.5
32.5°	356.4	363.6	360.0	362.4	361.8	363.0	368.4	370.9	373.9	373.3	373.9
35°	327.4	335.2	331.6	333.4	334.0	335.8	339.5	342.5	343.1	343.7	344.9
37.5°	296.0	303.8	300.2	302.0	302.6	306.2	307.4	310.5	311.7	311.7	311.7
40°	265.8	269.4	266.4	268.2	268.8	271.8	273.0	275.4	276.6	276.0	275.4
42.5°	233.1	236.2	233.1	235.0	235.0	237.4	238.0	241.0	241.0	239.8	238.0
45°	201.1	204.2	201.1	202.3	202.3	204.8	204.8	204.8	206.0	204.2	201.1
47.5°	170.9	174.0	170.9	172.1	171.5	173.3	172.7	173.3	171.5	170.3	166.7
50°	143.8	145.0	143.8	143.1	143.8	145.0	144.4	144.4	141.9	140.1	135.9
52.5°	117.2	119.0	117.2	117.2	117.2	118.4	118.4	117.8	115.4	112.9	108.7
55°	94.8	96.0	95.4	94.8	94.8	96.0	94.8	94.8	92.4	90.6	86.4
57.5°	75.5	76.1	75.5	75.5	75.5	76.1	76.1	74.9	73.1	71.3	68.3
60°	58.6	59.2	59.2	58.6	58.6	59.8	59.8	59.2	57.4	56.2	53.2
62.5°	46.5	46.5	46.5	46.5	46.5	47.1	47.1	47.1	45.9	44.7	42.3
65°	36.8	37.4	36.8	36.8	37.4	38.1	37.4	38.1	36.8	36.2	34.4
67.5°	28.4	29.0	28.4	29.0	29.0	29.6	29.0	29.6	28.4	27.8	26.6
70°	21.7	21.7	21.7	21.7	21.7	22.3	21.7	22.3	21.7	21.1	19.9
72.5°	16.3	16.3	16.9	16.9	16.3	16.9	16.3	16.3	16.3	15.7	15.1
75°	12.1	12.1	12.7	12.1	12.1	12.1	12.1	12.1	11.5	11.5	10.9
77.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	7.9	7.9	7.2
80°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	4.8	4.8
82.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.0	3.0
85°	1.8	1.8	1.8	2.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	0.6	0.6	0.6	1.2	0.6	0.6	1.2	1.2	0.6	0.6	0.6
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: P212777

CATALOG NUMBER: LD6B10D010 EU6B10209030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8
2.5°	511.0	512.8	512.8	511.0	515.2	511.6	518.8	512.2	514.0	520.0	519.4
5°	509.2	511.6	512.2	511.0	516.4	513.4	520.7	514.0	517.0	523.1	523.1
7.5°	506.8	509.8	511.0	512.2	517.0	514.0	522.5	515.8	520.0	527.3	526.7
10°	501.3	505.6	508.0	509.8	514.6	512.8	521.9	516.4	520.0	528.5	527.9
12.5°	498.3	503.1	506.8	509.8	515.2	514.0	523.1	518.2	523.1	531.5	531.5
15°	495.9	501.3	505.6	511.0	516.4	515.2	524.9	520.7	525.5	535.8	535.1
17.5°	489.8	496.5	500.7	506.8	512.2	511.6	521.9	518.8	524.3	533.9	534.5
20°	479.6	485.6	490.5	497.7	503.7	502.5	513.4	510.4	515.8	526.1	526.7
22.5°	466.3	472.3	477.2	485.0	490.5	489.8	500.7	497.7	503.1	512.8	513.4
25°	450.6	456.0	460.9	468.1	474.1	474.1	483.8	480.8	486.8	496.5	496.5
27.5°	431.3	436.1	440.3	448.8	453.6	453.6	462.7	459.6	465.7	474.1	473.5
30°	407.7	411.9	415.6	422.8	427.0	427.6	435.5	432.5	438.5	445.8	445.8
32.5°	379.3	383.5	386.0	395.0	398.0	397.4	403.5	400.5	406.5	414.3	412.5
35°	349.1	350.9	352.7	361.8	363.0	360.6	366.6	363.6	367.8	375.7	374.5
37.5°	314.7	315.3	315.3	323.1	323.7	321.9	325.6	321.9	325.0	332.2	331.6
40°	276.6	276.0	275.4	281.5	280.9	277.2	279.7	276.6	280.9	286.3	283.3
42.5°	238.0	236.2	233.8	236.8	234.4	231.3	232.5	227.7	230.7	235.0	231.3
45°	199.9	196.3	191.5	192.1	189.1	185.4	183.6	178.8	178.2	182.4	179.4
47.5°	164.3	157.0	152.8	150.4	145.6	142.5	138.9	133.5	131.1	133.5	130.5
50°	132.3	125.0	119.6	114.2	109.3	105.7	99.7	96.0	92.4	93.0	90.6
52.5°	104.5	99.7	90.6	86.4	81.5	77.3	71.9	67.6	63.4	63.4	61.0
55°	82.7	76.1	70.1	64.0	59.2	55.6	50.1	45.9	41.7	41.1	38.7
57.5°	64.0	59.2	52.5	46.5	43.5	39.9	34.4	29.6	27.2	25.4	23.6
60°	49.5	44.7	39.3	34.4	30.8	28.4	23.0	19.3	16.9	15.7	13.9
62.5°	39.9	35.6	30.8	26.0	23.6	21.1	16.9	13.9	11.5	10.3	9.1
65°	32.0	28.4	24.8	21.1	19.3	16.9	13.9	11.5	9.7	8.5	7.2
67.5°	24.8	22.3	19.3	16.9	15.1	13.3	10.9	9.1	7.9	6.6	6.0
70°	18.7	16.9	15.1	12.7	11.5	10.3	8.5	6.6	6.0	5.4	4.8
72.5°	14.5	12.7	10.9	9.7	8.5	7.9	6.6	5.4	4.8	4.2	3.6
75°	9.7	9.1	7.9	6.6	6.0	5.4	4.8	4.2	3.6	3.0	3.0
77.5°	6.6	6.0	5.4	4.8	4.2	4.2	3.6	3.0	2.4	2.4	1.8
80°	4.2	3.6	3.6	3.0	3.0	3.0	2.4	1.8	1.8	1.8	1.2
82.5°	3.0	2.4	2.4	1.8	1.8	1.8	1.8	1.2	1.2	1.2	0.6
85°	1.8	1.2	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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: P212777

CATALOG NUMBER: LD6B10D010 EU6B10209030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8
2.5°	514.6	520.0	520.0	524.9	525.5	524.3	518.8	518.8	526.1	530.3	523.1
5°	519.4	524.9	524.9	529.7	532.1	530.3	524.9	525.5	532.7	537.6	530.3
7.5°	523.7	529.1	530.3	535.8	537.6	535.8	530.3	531.5	539.4	543.6	536.4
10°	525.5	530.9	531.5	537.6	540.0	537.6	533.3	533.9	542.4	545.4	538.8
12.5°	529.7	535.1	535.1	541.8	544.2	542.4	537.0	538.2	546.6	549.6	543.0
15°	533.9	539.4	539.4	546.6	549.6	547.2	543.0	543.6	552.1	555.1	549.6
17.5°	533.9	538.8	538.8	546.6	549.6	547.8	543.0	543.6	552.7	555.1	549.6
20°	526.1	531.5	530.3	538.2	541.2	539.4	535.1	535.1	544.2	546.6	541.2
22.5°	513.4	518.2	517.0	524.3	527.9	525.5	521.9	521.3	530.3	532.7	527.3
25°	495.9	500.7	499.5	506.8	510.4	507.4	503.1	503.7	511.0	514.6	509.8
27.5°	475.4	478.4	476.6	483.8	487.4	484.4	480.2	480.8	488.0	490.5	486.8
30°	447.6	450.0	448.2	454.2	456.6	454.8	451.2	451.2	457.8	460.9	457.2
32.5°	414.3	416.2	414.3	419.2	424.0	420.4	416.8	416.8	424.0	426.4	422.2
35°	375.7	377.5	376.3	381.1	384.8	379.9	376.9	375.7	385.4	384.1	381.7
37.5°	332.8	334.0	330.4	338.8	340.7	335.2	332.8	331.6	340.1	339.5	337.0
40°	284.5	285.7	283.3	289.3	289.9	285.7	283.9	282.1	290.5	289.9	288.1
42.5°	233.1	233.8	230.7	235.6	236.8	232.5	231.9	229.5	237.4	236.2	235.6
45°	180.0	180.0	177.6	181.2	182.4	178.8	177.6	177.0	182.4	182.4	181.2
47.5°	130.5	128.7	125.6	131.1	131.7	129.3	128.7	126.8	132.3	132.3	131.1
50°	89.4	88.8	88.2	89.4	90.0	87.0	88.8	87.0	90.0	90.0	90.0
52.5°	59.8	59.2	58.0	59.2	59.2	57.4	57.4	56.8	59.2	59.2	58.0
55°	37.4	36.8	36.2	36.8	36.8	35.0	36.2	35.0	36.2	36.2	35.6
57.5°	23.0	21.7	21.7	21.1	21.1	19.9	20.5	20.5	20.5	20.5	20.5
60°	13.3	12.7	12.1	12.1	12.1	11.5	11.5	11.5	11.5	11.5	11.5
62.5°	8.5	8.5	7.9	7.9	7.9	7.9	7.9	7.2	7.9	7.9	7.9
65°	7.2	6.6	6.6	6.6	6.6	6.0	6.0	6.0	6.0	6.0	6.0
67.5°	6.0	5.4	5.4	5.4	5.4	4.8	4.8	4.8	4.8	4.8	4.8
70°	4.8	4.2	4.2	4.2	4.2	4.2	3.6	4.2	4.2	3.6	3.6
72.5°	3.6	3.6	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
75°	2.4	2.4	2.4	2.4	2.4	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.0	0.6	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: P212777

CATALOG NUMBER: LD6B10D010 EU6B10209030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8
2.5°	531.5	525.5	522.5	528.5	530.9	527.9	525.5	521.3	525.5	527.9	530.9
5°	538.8	533.3	530.9	535.1	538.8	535.8	533.9	529.7	533.9	535.8	538.8
7.5°	545.4	540.0	537.0	541.2	545.4	541.2	539.4	535.8	539.4	541.2	545.4
10°	547.8	541.8	539.4	543.0	547.2	543.0	540.6	538.2	540.6	543.0	547.2
12.5°	552.1	546.0	543.0	546.0	550.3	546.0	543.6	541.8	543.6	546.0	550.3
15°	558.1	552.7	549.0	552.1	557.5	552.7	549.6	549.0	549.6	552.7	557.5
17.5°	558.1	553.9	550.3	552.7	558.1	554.5	550.3	551.5	550.3	554.5	558.1
20°	550.3	546.0	543.0	543.0	550.9	546.0	542.4	544.2	542.4	546.0	550.9
22.5°	536.4	532.7	529.7	529.1	537.0	532.7	527.9	531.5	527.9	532.7	537.0
25°	518.2	514.6	512.2	511.0	518.8	514.0	509.8	513.4	509.8	514.0	518.8
27.5°	494.7	491.7	489.2	487.4	494.7	490.5	486.2	489.8	486.2	490.5	494.7
30°	464.5	462.7	460.3	457.8	465.1	460.9	456.6	461.5	456.6	460.9	465.1
32.5°	429.4	428.2	425.2	422.8	430.1	425.2	422.2	425.8	422.2	425.2	430.1
35°	389.0	387.2	385.4	381.1	389.0	384.8	384.8	386.0	384.8	384.8	389.0
37.5°	343.7	342.5	340.1	336.4	343.1	340.1	338.8	342.5	338.8	340.1	343.1
40°	292.9	292.3	290.5	286.3	293.5	290.5	288.7	293.5	288.7	290.5	293.5
42.5°	239.8	238.6	236.8	236.2	239.8	237.4	239.2	239.2	239.2	237.4	239.8
45°	184.8	183.6	182.4	180.0	184.2	183.0	182.4	183.6	182.4	183.0	184.2
47.5°	134.1	132.9	131.7	129.9	134.1	132.3	132.3	133.5	132.3	132.3	134.1
50°	90.0	90.6	90.0	88.8	90.0	89.4	90.0	91.2	90.0	89.4	90.0
52.5°	59.8	59.8	58.6	58.0	59.2	58.6	60.4	59.2	60.4	58.6	59.2
55°	36.2	36.8	36.2	35.6	36.2	35.6	37.4	36.8	37.4	35.6	36.2
57.5°	20.5	20.5	21.1	20.5	21.7	21.1	21.1	21.1	21.1	21.1	21.7
60°	11.5	11.5	11.5	11.5	11.5	11.5	12.1	11.5	12.1	11.5	11.5
62.5°	7.9	7.9	7.9	7.2	7.9	7.2	7.9	7.9	7.9	7.2	7.9
65°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
67.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
70°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
72.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	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: P212777

CATALOG NUMBER: LD6B10D010 EU6B10209030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8
2.5°	528.5	522.5	525.5	531.5	523.1	530.3	526.1	518.8	518.8	524.3	525.5
5°	535.1	530.9	533.3	538.8	530.3	537.6	532.7	525.5	524.9	530.3	532.1
7.5°	541.2	537.0	540.0	545.4	536.4	543.6	539.4	531.5	530.3	535.8	537.6
10°	543.0	539.4	541.8	547.8	538.8	545.4	542.4	533.9	533.3	537.6	540.0
12.5°	546.0	543.0	546.0	552.1	543.0	549.6	546.6	538.2	537.0	542.4	544.2
15°	552.1	549.0	552.7	558.1	549.6	555.1	552.1	543.6	543.0	547.2	549.6
17.5°	552.7	550.3	553.9	558.1	549.6	555.1	552.7	543.6	543.0	547.8	549.6
20°	543.0	543.0	546.0	550.3	541.2	546.6	544.2	535.1	535.1	539.4	541.2
22.5°	529.1	529.7	532.7	536.4	527.3	532.7	530.3	521.3	521.9	525.5	527.9
25°	511.0	512.2	514.6	518.2	509.8	514.6	511.0	503.7	503.1	507.4	510.4
27.5°	487.4	489.2	491.7	494.7	486.8	490.5	488.0	480.8	480.2	484.4	487.4
30°	457.8	460.3	462.7	464.5	457.2	460.9	457.8	451.2	451.2	454.8	456.6
32.5°	422.8	425.2	428.2	429.4	422.2	426.4	424.0	416.8	416.8	420.4	424.0
35°	381.1	385.4	387.2	389.0	381.7	384.1	385.4	375.7	376.9	379.9	384.8
37.5°	336.4	340.1	342.5	343.7	337.0	339.5	340.1	331.6	332.8	335.2	340.7
40°	286.3	290.5	292.3	292.9	288.1	289.9	290.5	282.1	283.9	285.7	289.9
42.5°	236.2	236.8	238.6	239.8	235.6	236.2	237.4	229.5	231.9	232.5	236.8
45°	180.0	182.4	183.6	184.8	181.2	182.4	182.4	177.0	177.6	178.8	182.4
47.5°	129.9	131.7	132.9	134.1	131.1	132.3	132.3	126.8	128.7	129.3	131.7
50°	88.8	90.0	90.6	90.0	90.0	90.0	90.0	87.0	88.8	87.0	90.0
52.5°	58.0	58.6	59.8	59.8	58.0	59.2	59.2	56.8	57.4	57.4	59.2
55°	35.6	36.2	36.8	36.2	35.6	36.2	36.2	35.0	36.2	35.0	36.8
57.5°	20.5	21.1	20.5	20.5	20.5	20.5	20.5	20.5	20.5	19.9	21.1
60°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	12.1
62.5°	7.2	7.9	7.9	7.9	7.9	7.9	7.9	7.2	7.9	7.9	7.9
65°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.6
67.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.4
70°	3.6	3.6	3.6	3.6	3.6	3.6	4.2	4.2	3.6	4.2	4.2
72.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.4
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.6	0.0	0.6
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: P212777

CATALOG NUMBER: LD6B10D010 EU6B10209030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8
2.5°	524.9	520.0	520.0	514.6	519.4	520.0	514.0	512.2	518.8	511.6	515.2
5°	529.7	524.9	524.9	519.4	523.1	523.1	517.0	514.0	520.7	513.4	516.4
7.5°	535.8	530.3	529.1	523.7	526.7	527.3	520.0	515.8	522.5	514.0	517.0
10°	537.6	531.5	530.9	525.5	527.9	528.5	520.0	516.4	521.9	512.8	514.6
12.5°	541.8	535.1	535.1	529.7	531.5	531.5	523.1	518.2	523.1	514.0	515.2
15°	546.6	539.4	539.4	533.9	535.1	535.8	525.5	520.7	524.9	515.2	516.4
17.5°	546.6	538.8	538.8	533.9	534.5	533.9	524.3	518.8	521.9	511.6	512.2
20°	538.2	530.3	531.5	526.1	526.7	526.1	515.8	510.4	513.4	502.5	503.7
22.5°	524.3	517.0	518.2	513.4	513.4	512.8	503.1	497.7	500.7	489.8	490.5
25°	506.8	499.5	500.7	495.9	496.5	496.5	486.8	480.8	483.8	474.1	474.1
27.5°	483.8	476.6	478.4	475.4	473.5	474.1	465.7	459.6	462.7	453.6	453.6
30°	454.2	448.2	450.0	447.6	445.8	445.8	438.5	432.5	435.5	427.6	427.0
32.5°	419.2	414.3	416.2	414.3	412.5	414.3	406.5	400.5	403.5	397.4	398.0
35°	381.1	376.3	377.5	375.7	374.5	375.7	367.8	363.6	366.6	360.6	363.0
37.5°	338.8	330.4	334.0	332.8	331.6	332.2	325.0	321.9	325.6	321.9	323.7
40°	289.3	283.3	285.7	284.5	283.3	286.3	280.9	276.6	279.7	277.2	280.9
42.5°	235.6	230.7	233.8	233.1	231.3	235.0	230.7	227.7	232.5	231.3	234.4
45°	181.2	177.6	180.0	180.0	179.4	182.4	178.2	178.8	183.6	185.4	189.1
47.5°	131.1	125.6	128.7	130.5	130.5	133.5	131.1	133.5	138.9	142.5	145.6
50°	89.4	88.2	88.8	89.4	90.6	93.0	92.4	96.0	99.7	105.7	109.3
52.5°	59.2	58.0	59.2	59.8	61.0	63.4	63.4	67.6	71.9	77.3	81.5
55°	36.8	36.2	36.8	37.4	38.7	41.1	41.7	45.9	50.1	55.6	59.2
57.5°	21.1	21.7	21.7	23.0	23.6	25.4	27.2	29.6	34.4	39.9	43.5
60°	12.1	12.1	12.7	13.3	13.9	15.7	16.9	19.3	23.0	28.4	30.8
62.5°	7.9	7.9	8.5	8.5	9.1	10.3	11.5	13.9	16.9	21.1	23.6
65°	6.6	6.6	6.6	7.2	7.2	8.5	9.7	11.5	13.9	16.9	19.3
67.5°	5.4	5.4	5.4	6.0	6.0	6.6	7.9	9.1	10.9	13.3	15.1
70°	4.2	4.2	4.2	4.8	4.8	5.4	6.0	6.6	8.5	10.3	11.5
72.5°	3.0	3.0	3.6	3.6	3.6	4.2	4.8	5.4	6.6	7.9	8.5
75°	2.4	2.4	2.4	2.4	3.0	3.0	3.6	4.2	4.8	5.4	6.0
77.5°	1.2	1.2	1.8	1.8	1.8	2.4	2.4	3.0	3.6	4.2	4.2
80°	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8	2.4	3.0	3.0
82.5°	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.8	1.8	1.8
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
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: P212777

CATALOG NUMBER: LD6B10D010 EU6B10209030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8
2.5°	511.0	512.8	512.8	511.0	506.2	510.4	514.6	510.4	515.8	506.2	506.2
5°	511.0	512.2	511.6	509.2	504.3	508.0	511.0	506.8	511.0	501.9	501.3
7.5°	512.2	511.0	509.8	506.8	500.7	503.1	506.2	501.3	505.6	495.9	494.7
10°	509.8	508.0	505.6	501.3	494.7	496.5	498.3	494.1	497.1	487.4	486.8
12.5°	509.8	506.8	503.1	498.3	491.1	492.3	494.1	488.6	491.1	482.0	480.8
15°	511.0	505.6	501.3	495.9	488.0	488.6	489.8	483.8	486.2	476.6	476.0
17.5°	506.8	500.7	496.5	489.8	481.4	482.0	482.0	476.0	477.8	468.1	467.5
20°	497.7	490.5	485.6	479.6	470.5	470.5	470.5	464.5	465.7	457.2	456.0
22.5°	485.0	477.2	472.3	466.3	457.8	457.2	456.6	451.8	451.8	443.9	442.1
25°	468.1	460.9	456.0	450.6	442.1	440.9	440.9	436.7	436.1	428.8	427.6
27.5°	448.8	440.3	436.1	431.3	423.4	422.2	421.6	419.2	418.0	410.1	409.5
30°	422.8	415.6	411.9	407.7	400.5	399.2	398.6	396.2	395.6	387.8	387.8
32.5°	395.0	386.0	383.5	379.3	373.9	373.3	373.9	370.9	368.4	363.0	361.8
35°	361.8	352.7	350.9	349.1	344.9	343.7	343.1	342.5	339.5	335.8	334.0
37.5°	323.1	315.3	315.3	314.7	311.7	311.7	311.7	310.5	307.4	306.2	302.6
40°	281.5	275.4	276.0	276.6	275.4	276.0	276.6	275.4	273.0	271.8	268.8
42.5°	236.8	233.8	236.2	238.0	238.0	239.8	241.0	241.0	238.0	237.4	235.0
45°	192.1	191.5	196.3	199.9	201.1	204.2	206.0	204.8	204.8	204.8	202.3
47.5°	150.4	152.8	157.0	164.3	166.7	170.3	171.5	173.3	172.7	173.3	171.5
50°	114.2	119.6	125.0	132.3	135.9	140.1	141.9	144.4	144.4	145.0	143.8
52.5°	86.4	90.6	99.7	104.5	108.7	112.9	115.4	117.8	118.4	118.4	117.2
55°	64.0	70.1	76.1	82.7	86.4	90.6	92.4	94.8	94.8	96.0	94.8
57.5°	46.5	52.5	59.2	64.0	68.3	71.3	73.1	74.9	76.1	76.1	75.5
60°	34.4	39.3	44.7	49.5	53.2	56.2	57.4	59.2	59.8	59.8	58.6
62.5°	26.0	30.8	35.6	39.9	42.3	44.7	45.9	47.1	47.1	47.1	46.5
65°	21.1	24.8	28.4	32.0	34.4	36.2	36.8	38.1	37.4	38.1	37.4
67.5°	16.9	19.3	22.3	24.8	26.6	27.8	28.4	29.6	29.0	29.6	29.0
70°	12.7	15.1	16.9	18.7	19.9	21.1	21.7	22.3	21.7	22.3	21.7
72.5°	9.7	10.9	12.7	14.5	15.1	15.7	16.3	16.3	16.3	16.9	16.3
75°	6.6	7.9	9.1	9.7	10.9	11.5	11.5	12.1	12.1	12.1	12.1
77.5°	4.8	5.4	6.0	6.6	7.2	7.9	7.9	8.5	8.5	8.5	8.5
80°	3.0	3.6	3.6	4.2	4.8	4.8	5.4	5.4	5.4	5.4	5.4
82.5°	1.8	2.4	2.4	3.0	3.0	3.0	3.6	3.6	3.6	3.6	3.6
85°	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	0.6	0.6
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: P212777

CATALOG NUMBER: LD6B10D010 EU6B10209030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	518.8	518.8	518.8	518.8
2.5°	511.0	508.0	512.8	505.6
5°	505.6	502.5	508.6	499.5
7.5°	498.9	495.9	501.3	492.3
10°	490.5	487.4	492.3	482.6
12.5°	483.2	480.2	485.6	476.6
15°	477.8	474.7	479.6	471.1
17.5°	469.3	465.7	471.1	462.1
20°	457.2	454.8	459.0	450.0
22.5°	443.3	440.9	445.8	436.7
25°	428.8	425.8	430.7	421.6
27.5°	410.1	407.7	412.5	403.5
30°	387.8	385.4	390.2	381.7
32.5°	362.4	360.0	363.6	356.4
35°	333.4	331.6	335.2	327.4
37.5°	302.0	300.2	303.8	296.0
40°	268.2	266.4	269.4	265.8
42.5°	235.0	233.1	236.2	233.1
45°	202.3	201.1	204.2	201.1
47.5°	172.1	170.9	174.0	170.9
50°	143.1	143.8	145.0	143.8
52.5°	117.2	117.2	119.0	117.2
55°	94.8	95.4	96.0	94.8
57.5°	75.5	75.5	76.1	75.5
60°	58.6	59.2	59.2	58.6
62.5°	46.5	46.5	46.5	46.5
65°	36.8	36.8	37.4	36.8
67.5°	29.0	28.4	29.0	28.4
70°	21.7	21.7	21.7	21.7
72.5°	16.9	16.9	16.3	16.3
75°	12.1	12.7	12.1	12.1
77.5°	8.5	8.5	8.5	8.5
80°	5.4	5.4	5.4	5.4
82.5°	3.6	3.6	3.6	3.6
85°	2.4	1.8	1.8	1.8
87.5°	1.2	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)