

TEST REPORT	
IEC 62471:2006	
Photobiological safety of lamps and lamp systems	
Report reference No	RSZ151021550-03
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Approved by (+ signature)	Rick Xiao <i>Rick Xiao</i>
Date of issue	2015-10-23
Testing laboratory	Bay Area Compliance Laboratories Corp. (Dongguan)
Address	No.69 Pulong Village Puxinhu Industry Zone Tangxia,Dongguan, China.
Testing location	Same as above
Applicant	Guangzhou Hongli Opto-Electronic Co., Ltd.
Address	No.1, Xianke Yi Road, Huadong Town, Huadu District, Guangzhou, China
Standard	IEC 62471:2006
Test sample(s) received.....	2015-10-22
Test in period.....	2015-10-23
Procedure deviation	N.A.
Non-standard test method	N.A.
<p>This test report is for the customer shown above and their specific product only. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Dongguan). This report must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.</p>	

Type of test object	LED Package
Trademark	None
Model/type reference	P2835W6H6-C04-8D1A01
Multiple models.....	P2835W7H6-C04-8D1A01 P2835W1H6-C04-8D1A01
	P2835W2H6-C04-8D1A01 P2835W3H6-C04-8D1A01
	P2835W4H6-C04-8D1A01 P2835W5H6-C04-8D1A01

Manufacturer.....:	Guangzhou Hongli Opto-Electronic Co., Ltd. No.1, Xianke Yi Road, Huadong Town, Huadu District, Guangzhou, China
Rating	15Vdc 120mA
Copy of marking plate: N/A	

Test item particulars	
Tested lamp.....:	LED
Tested lamp system.....:	N/A
Lamp classification group.....:Exempt Group	
Lamp cap.....:	N/A
Bulb.....:	N/A
Rated of the lamp	N/A
Furthermore marking on the lamp.....:	N.A.
Seasoning of lamps according EN standard	No seasoning
Used measurement instrument.....:	See appendix B for details
Temperature by measurement.....:	25.3°C
Information for safety use.....:	N.A

Possible test case verdicts:	
-test case does not apply to the test object.....:	N(.A.)
-test object does meet the requirement.....:	P(ass)
-test object does not meet the requirement.....:	F(ail)

General remarks:

The test results presented in this report relate only to the object tested.
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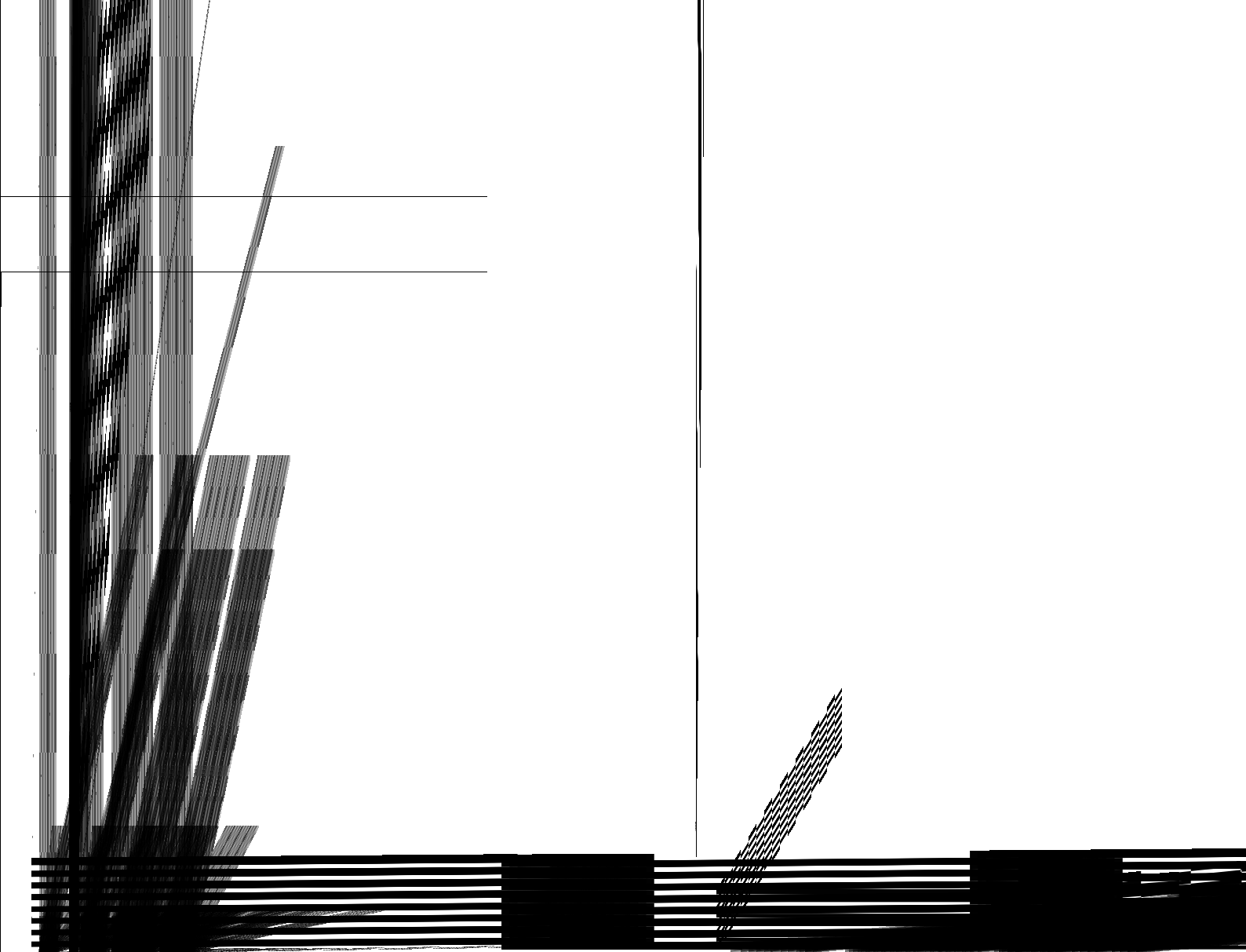


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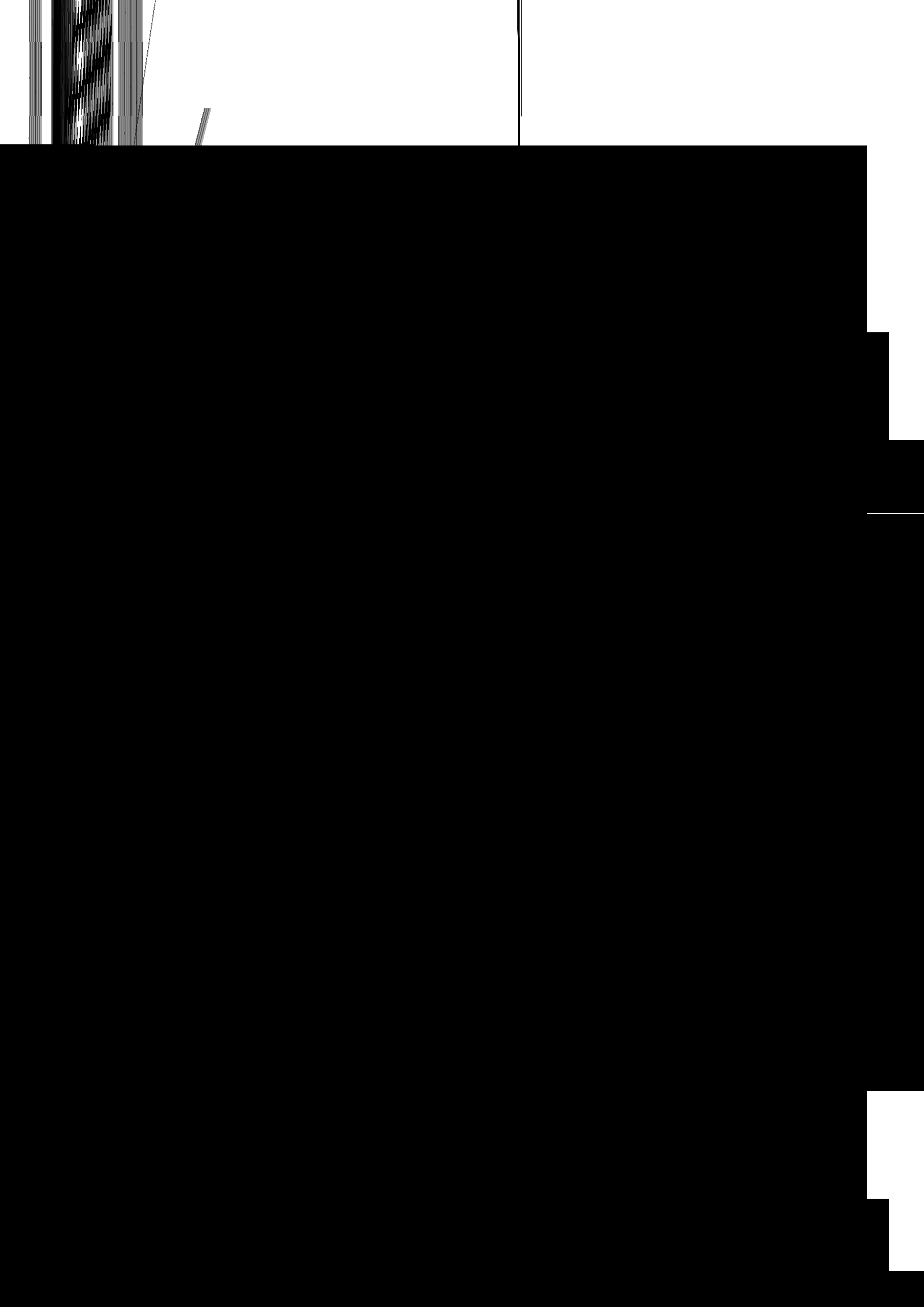
General product information:

Model Model

FINAL



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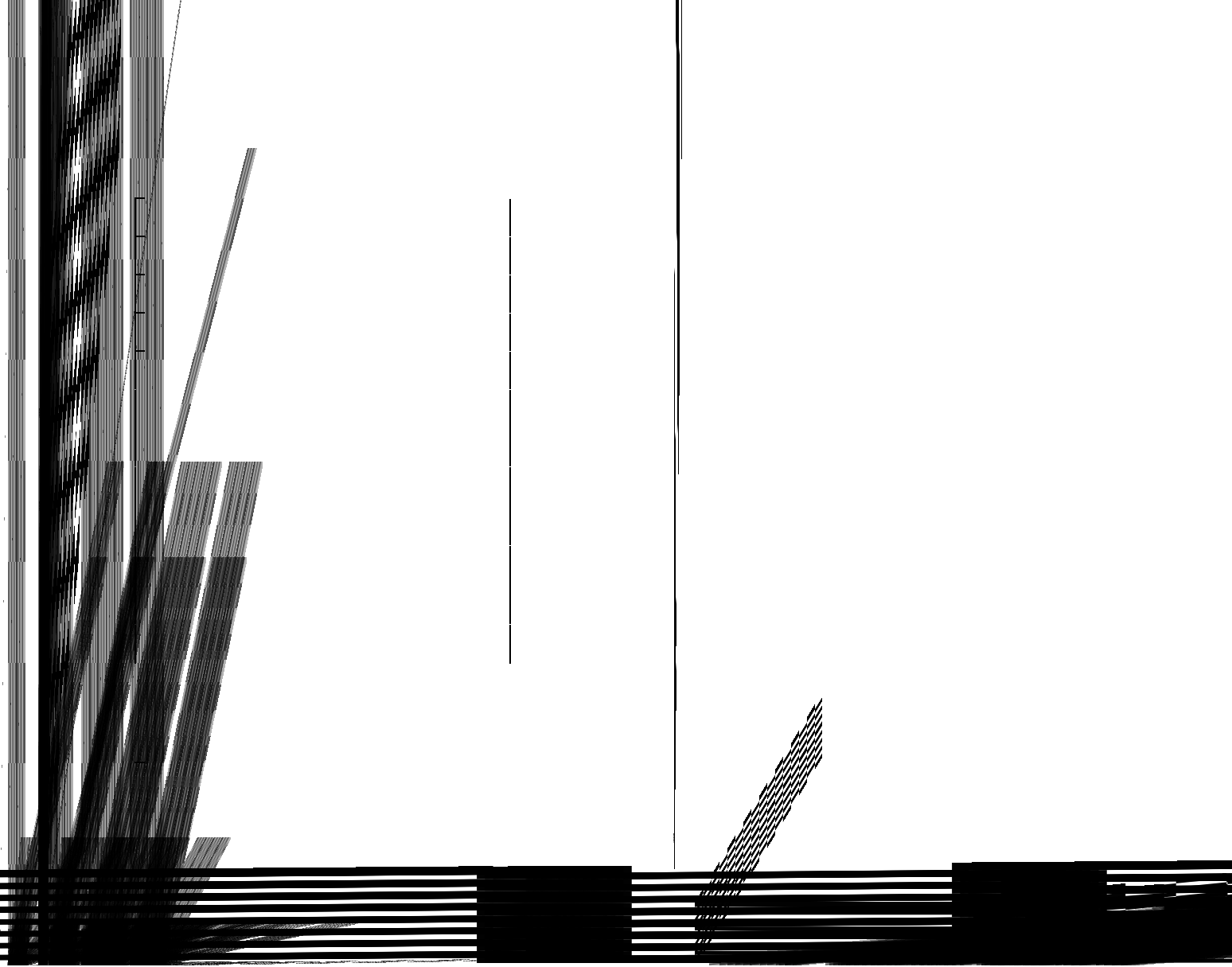
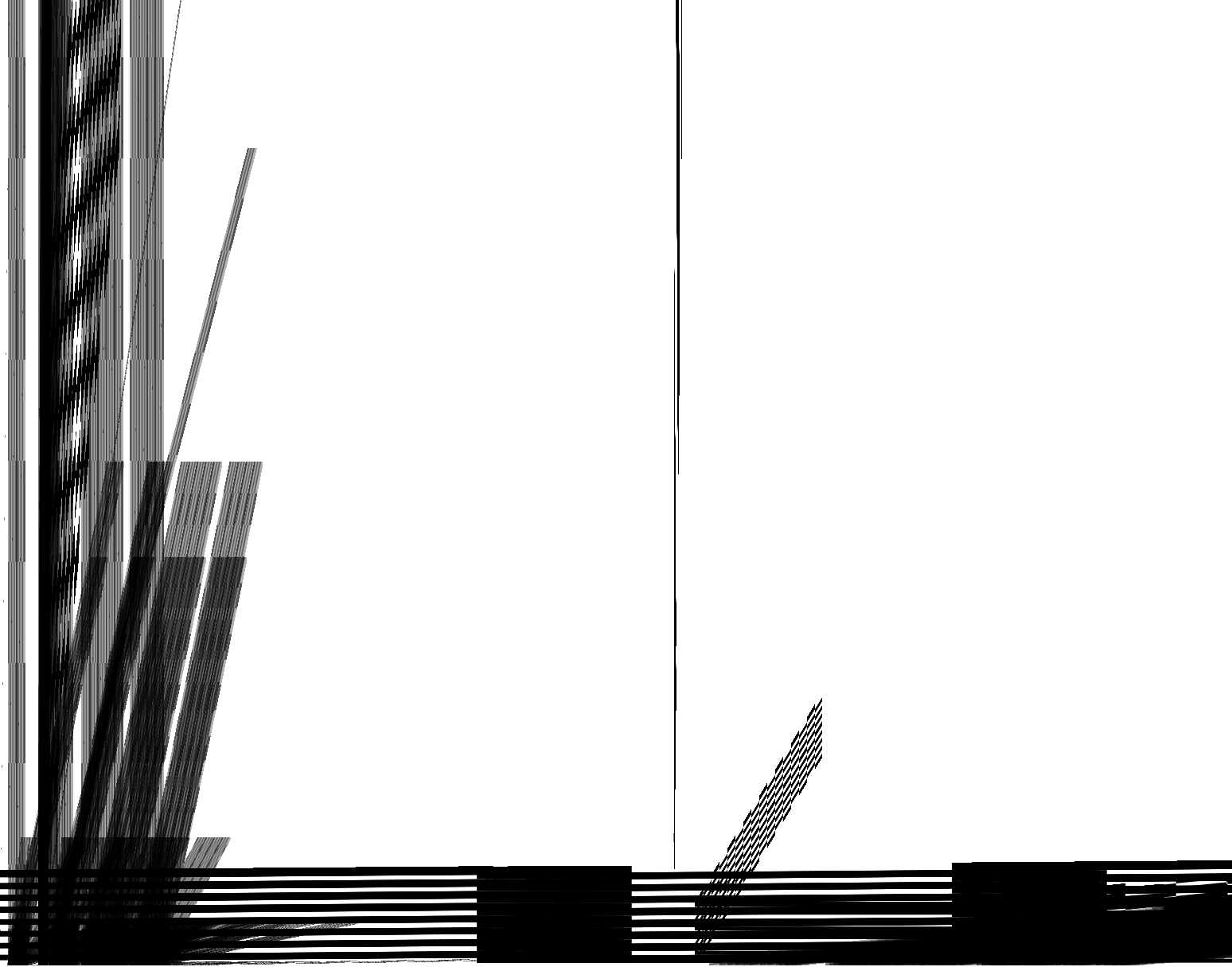
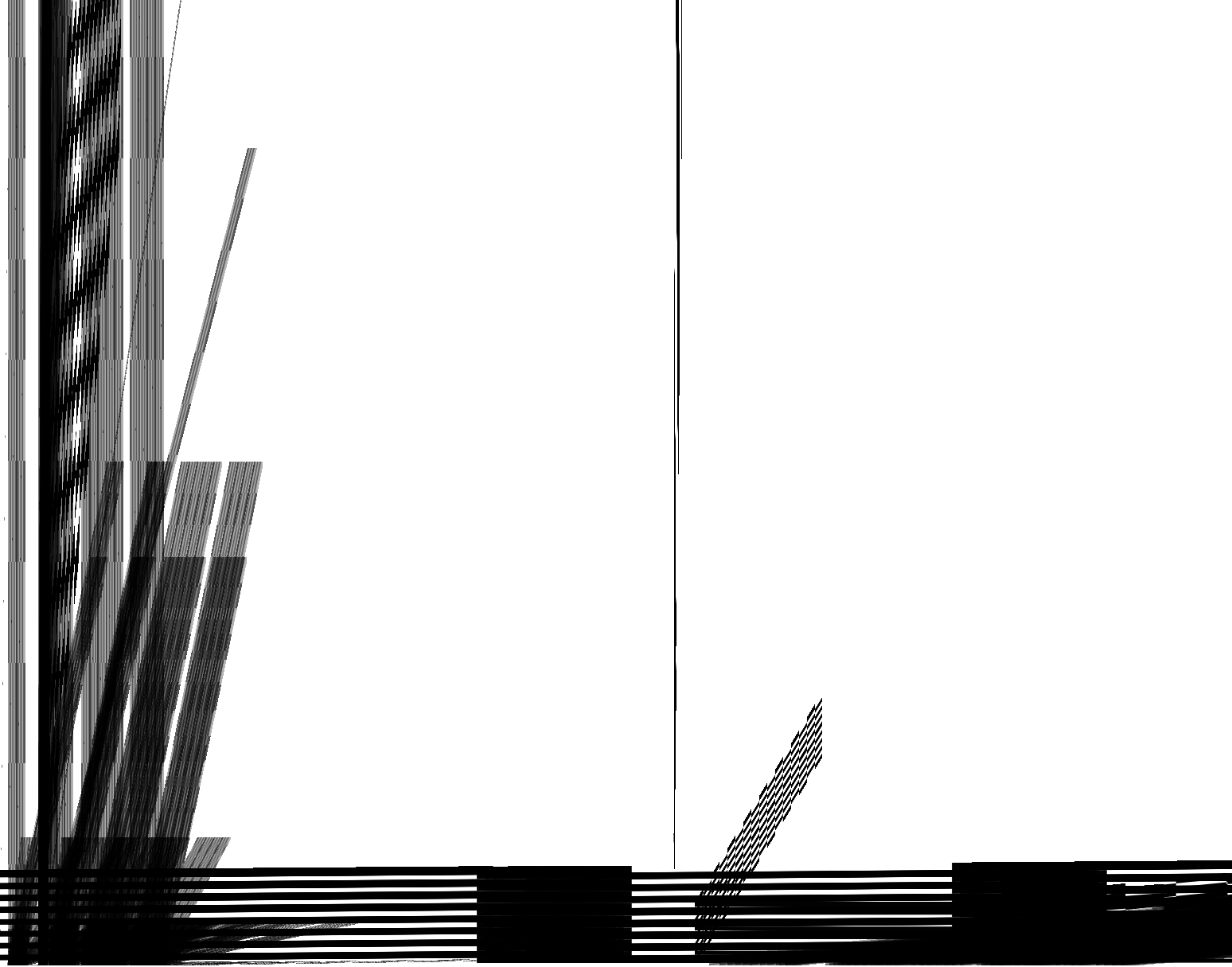


Table 6.1		Emission limits for risk groups of continuous wave lamps base on Directive(2006/25/EC)								P
Risk	Action spectrum	Units	Symbol	Exempt		Low risk		Mod risk		
				Limit	Result	Limit	Result	Limit	Result	
Actinic UV	Suv()	W.m ⁻²	E _S	0.001	7.6×10 ⁻⁶	0.003	-	0.03	-	
Near UV		W.m ⁻²	E _{UVA}	10	6.2×10 ⁻⁵	33	-	100	-	
Blue light	B()	W.m ⁻² .sr ⁻¹	L _B	100	21	10000	-	4000000	-	
Blue light,small source	B()	W.m ⁻²	E _B	1*	1.3×10 ⁻¹	1	-	400	-	
Retinal thermal	R()	W.m ⁻² .sr ⁻¹	L _R	28000/ =0.0105	1.4×10 ⁴	28000/ =0.0105	-	71000/ =0.0105	-	
Retinal thermal, Weak visual stimulus**	R()	W.m ⁻² .sr ⁻¹	L _{IR}	6000/ =0.0105	2.5	6000/ =0.0105	-	28000/ =0.0105	-	
IR radiation Eye		W.m ⁻²	E _{IR}	100	0	570	-	3200	-	

* Small source defined as one with < 0,011 radian. Averaging field of view at 10000 s is 0,1 radian.
** Involves evaluation of non-GLS source





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