151020110007

报告编号： Report No.

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900843669-003

苏州市计量测试院

Suzhou Institute of Metrology

检验检测报告

Test Report

委托单

Customer

苏州市吴江区思贤实验小学  
南校区

单位地

Address of customer

长板路1699号

样

Name

品名称：

of Sample

教室室内照明

制

Manufacturer

型号规

一年级一班

Model Specification

样

No.

品编号：

of sample

批

Approved by

职务

刘宏欣 Position

部长

签发日期

Date of Issue

2021 -08-20

回

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 接收日期  Receive Date | 2021 | 年  Year | 08 | 月  Month | 20 | Day |
| 检验检测日期  Date of test | 2021 | 年  Year | 08 | 月  Month | 20 | s  Day |



地址：苏州市吴中区文曲路69号

Address:No. 69, Wenqu Road, Wuzhong District, Suzhou

电话：0512-65230843

Tel.

网址：www. szjl. com. cn

HTTP

第1页共10页

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of

报告编号：**IIII**州**Will**剛**IIIIIIW**

Report No. 900843669-003

本院是国家法定计量检定机构，计量授权证书号：(苏)法计(2018)1005号。

This laboratory is a national legal metrological verification institution. Authorization certificate No. (2018)1005.

本院通过了中华人民共和国计量认证监督评审，认证合格证书：151020110007。

This laboratory has assessed by China Metrology Accreditation Service, certification No.151020110007. 本次检验检测所依据的方法规范：

Reference documents for the test methods

GB/T 5700-2008《照明测量方法》

GB/T 5700-2008《Measurement methods for lighting》

GB 7793-2010《中小学教室采光和照明卫生标准》

本次检验检测结果判定所依据的技术规范:

Technical specifications for the determination of the results of test

本次检验检测所使用的主要计量器具:

stands for "Fail",and"N/A" stands for "No applicable".

5、 除特况,本报告给出的符合性说明未考虑不确定度。Except for special cases,the conformance statement given in this report does not consider uncertainty.

6、 在屮华人民共和国境内，报告加盖**CMA**章，表示测试项目在**CMA**资质认定范围内；未加盖**CMA**章，表示部分/全部项目未 在CMA资质认定范围内，结果仅供内部参考。Within the territory of the people's Republic of China, if the report is stamped with

CMA seal, it means that the test items are within the scope of CMA qualification; if not, it means that some / all items are not within the scope of CMA qualification, and the results are for internal reference only.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Main measurement standards used in the test | | | | | |
| 名称  Name | 编号  No. | 测量范围 Measure Range | 不确定度或准确度等级 或最大允许误差 Uncertainty or Accuracy Class or MPE. | 溯源机构  Traceability Mechanism | 证书编号/ 有效期 Certificate No./Due Date |
| 功率计  Power meter | 91M444428 | 电压：(0-600) V；电 流：(0〜20) A；功 率：(0-4000) W | 电压：U=(0.06〜O.35)V；电流；*U=*  (0.0006〜0.06)A：功率：17=(0.12〜  2.4)W； *(k=2)* | 苏州市计量 测试院 | 801634364/  2022-05-27 |
| 光谱辐射照 度计 | 10001687 | 波长：(380~780)nm；照 度:(0~10000)lx;色温： (2000~9000)K | 波长：U=lnm阵2；照度： *U=2.0% k=2-*色温：U=53K,奸2  Wavelength： Z^lnm *k=2i* Illumination： *1-2.* 0% ^=2：Color Temperature： ^-53K, *k=2* | 苏州市计量 测试院 | 801561171/  2022-01-26 |
| 眩光测试仪 | 0780520000  10 | 0~20000cd/m2 | 亮度：L/rel=4%(^=2) | 苏州市计量 测试院 | 801561164/  2022-01-26 |
| 激光测距仪 | 411408142 | (0~40) m | MPE:±1.0mm | 苏州市计量 测试院 | 801699440/  2022-08-30 |
| 注： 1 \ 未经本院批准授权，不得部分采用本证书*。*Partly using this certificate will not be admitted unless allowed by SIM. | | | | | |

Statement 2、本证书的检验检测结果仅对当时所检样品有效。The results of this certificate are only responsible for the item tested.

3\ 本证书未加盖检验检测专用章无效。The certificate is invalid without official stamp.

4、证书结果申裝''合宿"，"F'K靠"示合格"，"N/A"代表''不适用"。In the results of the calibration,"P" stands for "Pass",”F"

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Report No. 900843669-003

本院是国家法定计量检定机构，计量授权证书号：(苏)法计(2018)1005号。

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This laboratory has assessed by China Metrology Accreditation Service, certification No. 151020110007.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 本次检验检测所使用的主要计量器具：  Main measurement standards used in the test | | | | | |
| 名称  Name | 编号  No. | 测量范围 Measure Range | 不确定度或准确度等级 或最大允许误差 Uncertainty or Accuracy Class or MPE. | 溯源机构  Traceability Mechanism | 证书编号/ 有效期 Certificate No./Due Date |
| 照度计 | 20018760  /31018586 | (O.l-lOOOO)lx | 一级 | 苏州市计量 测试院 | 801580620/  2022-03-08 |

检验检测地点和环境条件：

Location and environmental condition for the test

地点：苏州市吴江区思贤实验小学南校区

Location

温度：(27〜28 ) °C

Ambient Temperature

相对湿度：54 %— 55 %

Relative Humidity

其他： /

Others

受样方式：客户现场(非抽样) 样品状态描述： 正常

Way for receipt Status of sample

注： 1、未经本院批准授权,不得部分采用本证书。Partly using this certificate will not be admitted unless allowed by SIM. Statement 2、本证书的检验检测结果仅対当时所检样品有效。The results of this certificate are only responsible for the item tested.

3、 本证书未加盖检验检测专用章无效o The certificate is invalid without official stamp.

4、 证书结果申 裝"合宿"，若味合格”，"N/A"代表"不适用In the results of the calibration,"P" stands for "Pass”,

stands for "Fail",and"N/A" stands for "No applicable".

5、 除特殊情况，本报告给出的符答性说明未考虑不确定度。Except for special cases,the conformance statement given in this report does not consider uncertainty.

6、 在中华人民共和国境内，报告加盖**CMA**章，表示测试项目在**CMA**资质认定范围内；未加盖**CMA**章，表示部分/全部项目未 在CMA盗质认定范围内，结果仅供内部参考*。*Within the territory of the people's Republic of China, if the report is stamped with

CMA seal, it means that the test items are within the scope of CMA qualification; if not, it means that some / all items are not within the scope of CMA qualification, and the results are for internal reference only.



CNAS

中国认可 国际互认 检測 TESTING

CNAS L0158

报告编号：lllllllllllllllllllllllllllllll州I

Report No. 900843669-003

检测结果/说明：

Results of test and additional explanation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 检测项目 | 技术要求 | 检测结果 | 单项判定 |
| 1 | 课桌面维持平均照度(lx) | N300 | 566 | 合格 |
| 2 | 课桌面照度均匀度 | N0. 7 | 0. 75 | 合格 |
| 3 | 黑板维持平均照度(lx) | N500 | 732 | 合格 |
| 4 | 黑板照度均匀度 | NO. 8 | 0. 85 | 合格 |
| 5 | 光源的相关色温(K) | 4300-5300 | 4718 | 合格 |
| 6 | 光源的显色指数CRI | N90 | 92 | 合格 |
| 7 | 统一眩光值UGR | <19 | 16. 8 | 合格 |
| 8 | 照明功率密度(W/n?) | W7 | 5.4 | 合格 |
| 9 | 灯具距课桌面的最低悬挂高度 (m) | *N1.7* | 2. 07 | 合格 |

说明：

1、 维护系数取0.8。

2、 判定依据为《江苏省改造提升义务教育学校教室照明项目操作规程》。

3、 经检测，所检项目符合《江苏省改造提升义务教育学校教室照明项目操作规程》 规定的要求，所检项目的检测结论为合格。

具体检测数据见下页

核验人员:

Checked by

朱王尊

检测人员：亦對右

Tested by 丿忏 V 杨书凡

检测报告续页专用

Continue page of test report

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报告编号：剛州llllllllllllll剛I

Report No. 900843669-003

检测结果/说明：

Results of test and additional explanation

检测数据

1、课桌面平均照度

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 测量点 | | 测量值（lx） | | | 测量点 | | 测量值（lx） | | | 测量点 | | 测量值（lx） | 测量点 | 测量值（lx） |
| 1 | | 528 | | | 14 | | 780 | | | 27 | | 704 | 40 | 748 |
| 2 | | 591 | | | 15 | | 601 | | | 28 | | 630 | 41 | 810 |
| 3 | | 564 | | | 16 | | 778 | | | 29 | | 612 | 42 | 826 |
| 4 | | 622 | | | 17 | | 736 | | | 30 | | 791 | 43 | 659 |
| 5 | | 644 | | | 18 | | 788 | | | 31 | | 756 | *44* | 702 |
| 6 | | 606 | | | 19 | | 750 | | | 32 | | 820 | 45 | 553 |
| 7 | | 601 | | | 20 | | 725 | | | 33 | | 788 | 46 | 681 |
| 8 | | 528 | | | 21 | | 741 | | | 34 | | 748 | 47 | 732 |
| 9 | | 755 | | | 22 | | 599 | | | 35 | | 716 | 48 | 711 |
| 10 | | 720 | | | 23 | | 744 | | | 36 | | 608 | 49 | 695 |
| 11 | | 791 | | | 24 | | 741 | | | 37 | | 758 | 50 | / |
| 12 | | 720 | | | 25 | | 820 | | | 38 | | 752 | 51 | / |
| 13 | | 746 | | | 26 | | 715 | | | 39 | | 880 | 52 | / |
| 测量点示意图 | | | | | | | | | | | |  | | |
|  | 黑板 1 | | | | | | | | |  | |  | | |
|  | |  | | | | |  | |
| 讲台 | | | | |  | | | |
|  |  |  | | | | |  | | |  |
|  | . 1 | . 8 | • 15 | | • 22 | • 29 | • 36 | • 43 | |  |
| . 2 | . 9 | • 16 | | • 23 | • 30 | • 37 | *• 44* | |
| ・3 | • 10 | • 17 | | • 24 | • 31 | ・38 | • 45 | |
| ・4 | • 11 | • 18 | | • 25 | • 32 | • 39 | • 46 | |
| • 5 | • 12 | • 19 | | • 26 | • 33 | • 40 | • 47 | |
| • 6 | • 13 | • 20 | | • 27 | • 34 | • 41 | • 48 | |
| • 7 | • 14 | • 21 | | • 28 | • 35 | • 42 | • 49 | |
|  |  | | | | | | | | |  |

测量点（中心布点法，位于测量位置中心）

未完见下页



检测人员：虫召**7**若曰丿

Tested by ' 口 杨书凡

核验人员:

Checked by

朱王尊

报告编号：IIIIIIII帅lllllllllllllllllllllll

Report No. 900843669-003

检测结果/说明：

Results of test and additional explanation

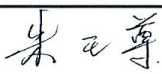
2、黑板平均照度

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 测量 点 | 测量值  (lx) | 测量 点 | 测量值  (lx) | 测量 点 | 测量值  (lx) | 测量 点 | 测量值  (lx) | 测量 点 | 测量值 (lx) |
| 1 | 991 | 7 | 940 | 13 | 858 | 19 | 858 | 25 | 915 |
| 2 | 973 | 8 | 937 | 14 | 906 | 20 | 906 | 26 | 910 |
| 3 | 839 | 9 | 858 | 15 | 876 | 21 | 876 | 27 | 851 |
| 4 | 1008 | 10 | 916 | 16 | 841 | 22 | 841 | 28 | 877 |
| 5 | 1016 | 11 | 936 | 17 | 850 | 23 | 850 | 29 | 842 |
| 6 | 914 | 12 | 891 | 18 | 831 | 24 | 831 | 30 | 779 |

测量点示意图

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| . 1 | ・4 | . 7 | • 10 | • 13 | • 16 | • 19 | • 22 | • 25 | • 28 |
| . 2 | • 5 | . 8 | • 11 | • 14 | • 17 | • 20 | • 23 | • 26 | • 29 |
| . 3 | . 6 | ・9 | • 12 | • 15 | • 18 | • 21 | • 24 | • 27 | • 30 |

测量点(中心布点法，位于测量位置中心)

未完见下页

核验人员:

Checked by

朱王尊

检测人员：名^右

Tested by 丿咔 丫 \ L 杨书凡

芯擊％ 中国认可

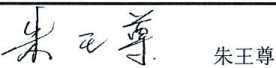
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报告编 ^： IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII

Report No. 900843669-003

核验人员:

Checked by

检测结果/说明：

Results of test and additional explanation

3、相关色温和显色指数

|  |  |  |
| --- | --- | --- |
| 测量点 | 相关色温（K） | 显色指数Ra |
| 1 | 4703 | 93 |
| 2 | 4705 | 93 |
| 3 | 4725 | 92 |
| 4 | 4733 | 92 |
| 5 | 4713 | 92 |
| 6 | 4711 | 92 |
| 7 | 4740 | 92 |
| 8 | 4730 | 92 |
| 9 | 4699 | 92 |
| 10 | 4718 | 92 |
| 11 | 4720 | 92 |
| 12 | 4699 | 92 |

测量点示意图

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | | 黑板 | | |  | |
| 讲台 | | |
|  | | |  | |  | |
|  | ・1 |  | . 5 |  | ・9 |  |
|  | | |  | |  | |
|  | ・2 |  | . 6 |  | -10 |  |
|  | | |  | |  | |
|  | -3 |  | ・7 |  | • 11 |  |
|  | | |  | |  | |
|  | ・4 |  | -8 |  | • 12 |  |
|  | | |  | |  | |

测量点（中心布点法，位于测量位置中心）

未完见下页

检测人员：混^右

Tested by /忏 V 杨书凡

报告编号：iiiiiimiiiiiniiiiiiiiiiiiiiiiiii

Report No. 900843669-003

检测结果/说明：

Results of test and additional explanation

4、统一眩光值测量点和测量方向示意图

黑板

讲台

八

测量方向

测量点

未完见下页

检测人员：棉刀右\礼

Tested by f '口 杨书凡

核验人员:

Checked by

朱王尊





151020110007

中国认可

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C/VAS 检测

琴testing

'幼盆2' CNAS L0158

报告编号:剛州**III**剛**II**剛**I**

Report No. 900843669-003

检测结果/说明：

Results of test and additional explanation

5、照片



教室灯铭牌



整八 固定式坯哄具

壁.**XGL・HVB・36** ［口］

電**WAR 0.18A '**

由 ■ **MW 30xl\N/I5R)**

戰，。**9** 卞**f C 1**

**RMLL#**兇皂輸恍■樓公司 **2021/06/04**

LED规格：2835, 0 2WL 3030, 1^

*〃 •* OU ….  
売籥褰:近季晃电（深圳*，职份直限?*额定光通量：28801m  
相关色温：5000K

C0

光效：801m/

*Ra： 90*

*C180*

黑板灯铭牌

未完见下页

检测人员：丸禁右*\七*

Tested by 丫 口 杨书凡

核验人员:

Checked by

朱王尊



151020110007

CNAS

中国认可 国际互认 检测 TESTING CNAS L0158



报告编号:剛州 **llllllllllllllllllllllll**

Report No. 900843669-003

检测结果/说明：

Results of test and additional explanation

测试现场照片

检测人员：gr?右*\七*

Tested by r 杨书凡

核验人员:

Checked by

朱王尊

