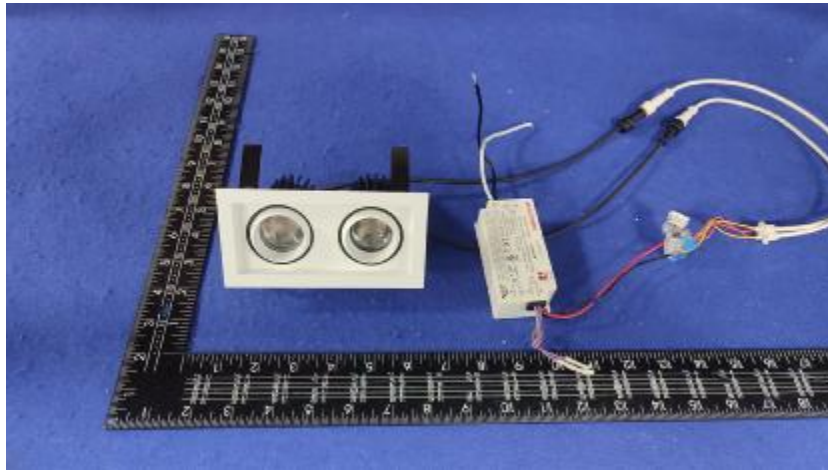


## 燈 具 實 物 照 片



|                     |         |                          |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 76.6%   |                          |
| Luminaire Power:    | 21.66 W |                          |
| SHR Nominal:        | 0.00    | Calculated using the TM5 |
| SHR Maximum:        | 1.00    | fine grid method.        |

C角度范围: 0度 - 360度  
 C角度间隔: 30.0度  
 测试速度: 快速  
 环境温度: 25.3℃  
 测试人员: Zoe  
 测试日期: 2022-12-23

Y角度范围: 0度 - 180度  
 Y角度间隔: 1.0度  
 测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.416  
 环境湿度: 65.0%  
 测试距离: 3.160米 [K=1.0000]  
 备注: LAMP: CMA1306-0000-000F0U0A30G Ra:90  
 LENS: PM-1084 15R  
 DRIVER: PUP20A-1WMC 500mA  
 30minutes warm-up

## 灯具配光曲线及特征面照片

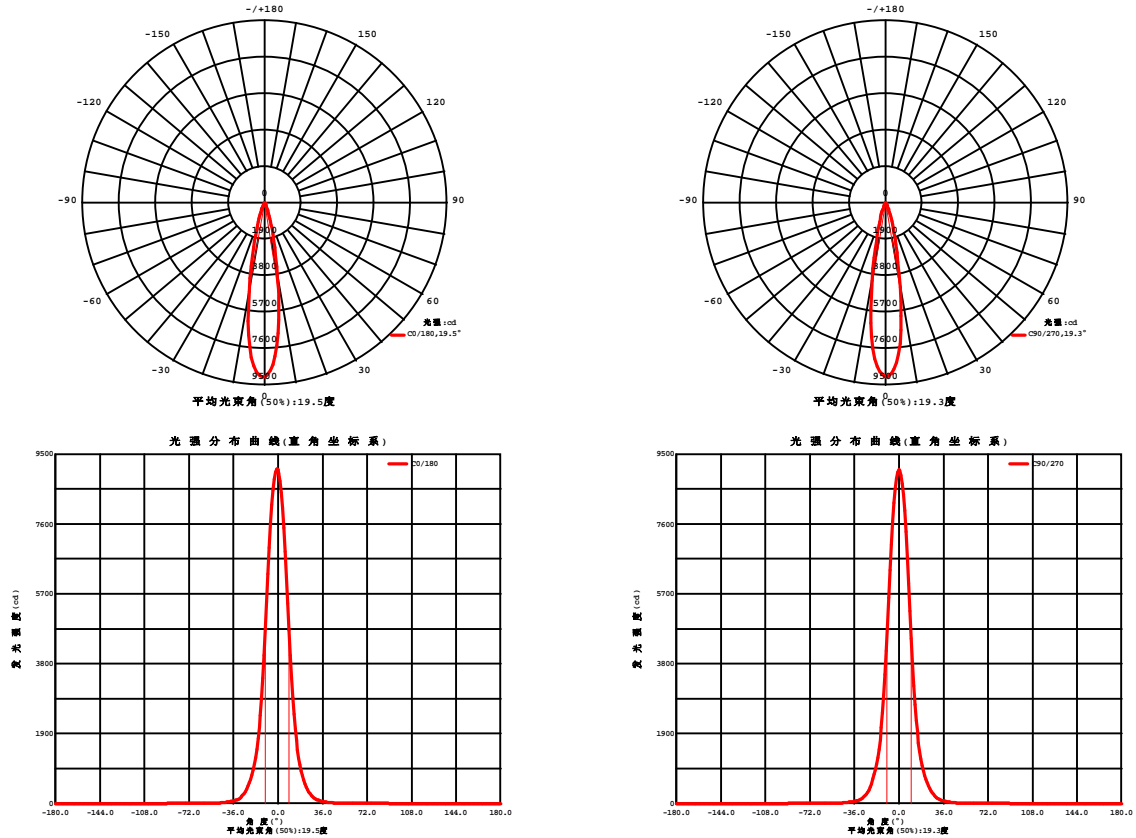


Fig. C0/C180

Fig. C90/C270

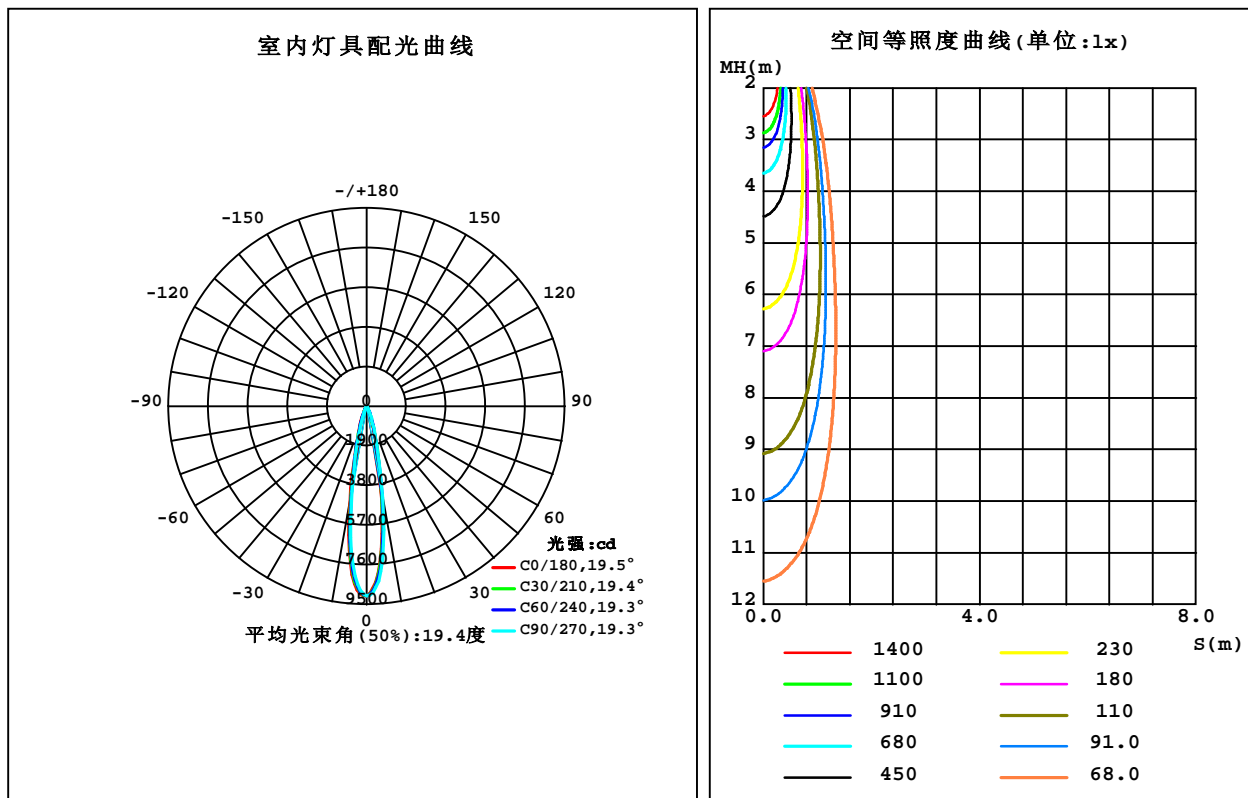
C角度范围： 0度 - 360度  
C角度间隔： 30.0度  
测试速度：快速  
环境温度：25.3℃  
测试人员：Zoe  
测试日期：2022-12-23

Y角度范围： 0度 - 180度  
Y角度间隔： 1.0度  
测试系统：远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.416  
环境湿度：65.0%  
测试距离：3.160米 [K=1.0000]  
备注：LAMP:CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084 15R  
DRIVER:PUP20A-1WMC 500mA  
30minutes warm-up

## 室内灯具光度数据

|   |                             |                 |
|---|-----------------------------|-----------------|
| 实测参数: U:119.89V I:0.1815A P:21.664W PF:0.9947 Freq:59.98Hz 实检光通:1884x1 lm |                             |                 |
| 灯具名称: 2214.412-2-LEA-09   | 灯具类型:                       | 灯具重量:           |
| 灯具规格:3000K  | 外型尺寸:                       | 测试编号:2212231379 |
| 制造厂商: RISE  | 发光口面:0.005865m <sup>2</sup> | 遮光角:            |

| 光源数据      |      | 光度数据     |        | 光效: 66.64 lm/W    |          |
|-----------|------|----------|--------|-------------------|----------|
| 型号        | CREE | 峰值光强(cd) | 9093   | S/MH(C0/180)      | 0.35     |
| 标称功率(W)   | 22   | 灯具效率(%)  | 76.6   | S/MH(C90/270)     | 0.32     |
| 额定电源电压(V) | 120  | 总光通量(lm) | 1443.8 | h UP,DN(C0-180)   | 0.0,38.7 |
| 额定光通量(lm) | 1884 | CIE分类    | 直接     | h UP,DN(C180-360) | 0.0,37.9 |
| 灯具内光源数(只) | 1    | 上射光通比(%) | 0.0    | CIBSE SHR NOM     | 0.00     |
| 实测电源电压(V) | 120  | 下射光通比(%) | 76.6   | CIBSE SHR MAX     | 1.00     |



C角度范围: 0度 - 360度  
C角度间隔: 30.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: Zoe  
测试日期: 2022-12-23

Y角度范围: 0度 - 180度  
Y角度间隔: 1.0度  
测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.416  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP: CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## 灯具环带光通量

环带光通量:

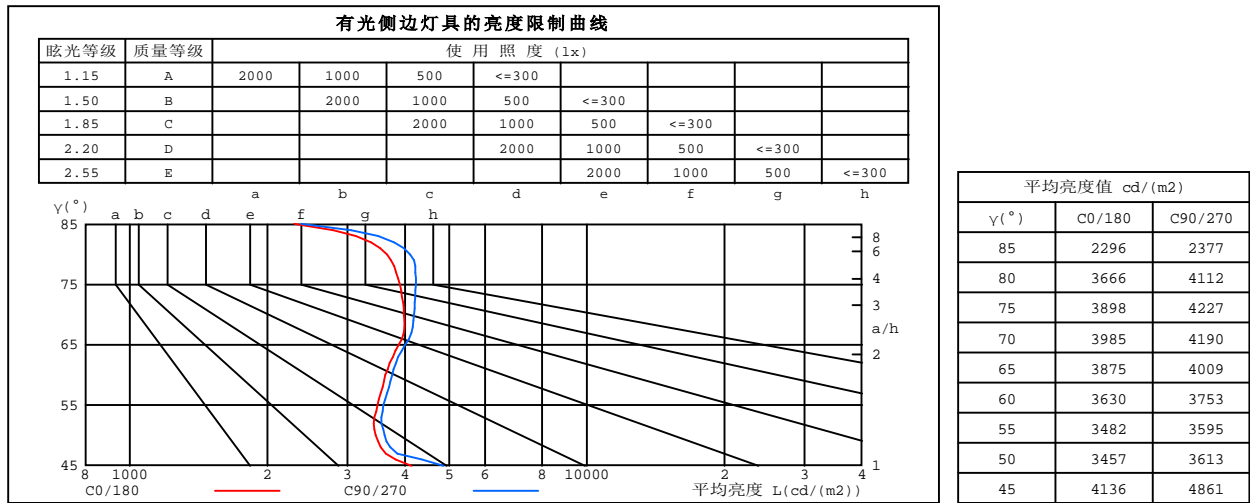
| g    | C0    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | $\gamma(^{\circ})$ | $\Phi_{\text{环}}$ | $\Phi_{\text{总}}$ | %lum, lamp |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|-------------------|-------------------|------------|
| 10   | 4031  | 4211  | 4474  | 4601  | 4737  | 4431  | 4153  | 4128  | 0- 10              | 628.0             | 628.0             | 43.5,33.3  |
| 20   | 759.3 | 823.0 | 891.7 | 911.7 | 910.1 | 845.6 | 785.5 | 760.7 | 10- 20             | 546.6             | 1175              | 81.4,62.3  |
| 30   | 133.7 | 148.2 | 168.0 | 172.4 | 161.4 | 140.8 | 129.9 | 129.8 | 20- 30             | 175.6             | 1350              | 93.5,71.7  |
| 40   | 34.71 | 37.92 | 41.62 | 42.85 | 41.64 | 38.05 | 35.56 | 34.87 | 30- 40             | 48.49             | 1399              | 96.9,74.2  |
| 50   | 13.04 | 13.23 | 13.62 | 13.83 | 13.95 | 13.67 | 13.33 | 13.14 | 40- 50             | 16.37             | 1415              | 98,75.1    |
| 60   | 10.65 | 10.73 | 11.00 | 11.20 | 11.25 | 11.04 | 10.88 | 10.79 | 50- 60             | 10.81             | 1426              | 98.8,75.7  |
| 70   | 7.997 | 8.147 | 8.404 | 8.559 | 8.658 | 8.448 | 8.210 | 8.102 | 60- 70             | 9.701             | 1436              | 99.4,76.2  |
| 80   | 3.734 | 3.951 | 4.187 | 4.356 | 4.406 | 4.123 | 3.639 | 3.758 | 70- 80             | 6.578             | 1442              | 99.9,76.5  |
| 90   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 80- 90             | 1.668             | 1444              | 100,76.6   |
| 100  | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 90-100             | 0                 | 1444              | 100,76.6   |
| 110  | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 100-110            | 0                 | 1444              | 100,76.6   |
| 120  | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 110-120            | 0                 | 1444              | 100,76.6   |
| 130  | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 120-130            | 0                 | 1444              | 100,76.6   |
| 140  | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 130-140            | 0                 | 1444              | 100,76.6   |
| 150  | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 140-150            | 0                 | 1444              | 100,76.6   |
| 160  | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 150-160            | 0                 | 1444              | 100,76.6   |
| 170  | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 160-170            | 0                 | 1444              | 100,76.6   |
| 180  | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 170-180            | 0                 | 1444              | 100,76.6   |
| 单位:° | 光强:cd |       |       |       |       |       |       |       |                    | 单位:lm             |                   |            |

C角度范围: 0度 - 360度  
 C角度间隔: 30.0度  
 测试速度: 快速  
 环境温度: 25.3℃  
 测试人员: Zoe  
 测试日期: 2022-12-23

$\gamma$ 角度范围: 0度 - 180度  
 $\gamma$ 角度间隔: 1.0度  
 测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.416  
 环境湿度: 65.0%  
 测试距离: 3.160米 [K=1.0000]  
 备注: LAMP: CMA1306-0000-000F0U0A30G Ra:90  
 LENS: PM-1084 15R  
 DRIVER: PUP20A-1WMC 500mA  
 30minutes warm-up

## 灯具亮度限制曲线

|   |                              |                  |
|---|------------------------------|------------------|
| 实测参数: U:119.89V I:0.1815A P:21.664W PF:0.9947 Freq:59.98Hz 实检光通:1884x1 lm |                              |                  |
| 灯具名称: 2214.412-2-LEA-09   | 灯具类型:                        | 灯具重量:            |
| 灯具规格: 3000K   | 外型尺寸:                        | 测试编号: 2212231379 |
| 制造厂商: RISE  | 发光口面: 0.005865m <sup>2</sup> | 遮光角:             |



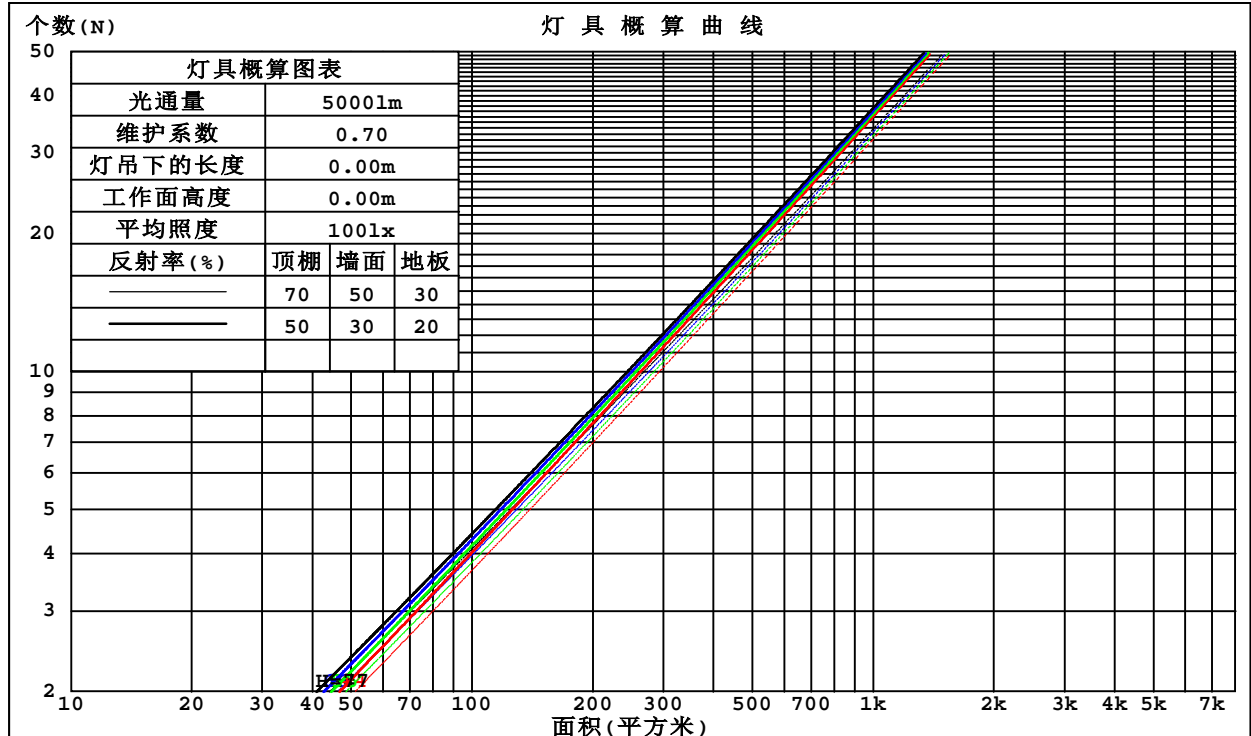
C角度范围: 0度 - 360度  
C角度间隔: 30.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: Zoe  
测试日期: 2022-12-23

γ角度范围: 0度 - 180度  
γ角度间隔: 1.0度  
测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.416  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP: CMA1306-0000-000F0U0A30G Ra: 90  
LENS: PM-1084 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## 工作面利用系数和灯具概算曲线

|   |                              |                  |
|---|------------------------------|------------------|
| 实测参数: U:119.89V I:0.1815A P:21.664W PF:0.9947 Freq:59.98Hz 实检光通:1884x1 lm |                              |                  |
| 灯具名称: 2214.412-2-LEA-09   | 灯具类型:                        | 灯具重量:            |
| 灯具规格: 3000K   | 外型尺寸:                        | 测试编号: 2212231379 |
| 制造厂商: RISE  | 发光口面: 0.005865m <sup>2</sup> | 遮光角:             |

| 顶棚   | 80%           |     |     | 70% |     |     | 50% |     |     | 30% |     |     | 10% |     |     | 0   |
|------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 墙面   | 50%           | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0   |
| 地板   | 20%           |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 0   |
| 室空间比 | 工 作 面 利 用 系 数 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0.0  | .91           | .91 | .91 | .89 | .89 | .89 | .85 | .85 | .85 | .82 | .82 | .82 | .78 | .78 | .78 | .77 |
| 1.0  | .86           | .85 | .84 | .85 | .84 | .82 | .82 | .81 | .80 | .79 | .78 | .78 | .76 | .76 | .75 | .74 |
| 2.0  | .82           | .80 | .78 | .81 | .79 | .77 | .79 | .77 | .76 | .77 | .75 | .74 | .75 | .74 | .73 | .72 |
| 3.0  | .79           | .76 | .74 | .78 | .76 | .74 | .76 | .74 | .72 | .74 | .73 | .71 | .73 | .71 | .70 | .69 |
| 4.0  | .76           | .73 | .71 | .75 | .73 | .71 | .74 | .72 | .70 | .72 | .71 | .69 | .71 | .70 | .68 | .67 |
| 5.0  | .74           | .71 | .68 | .73 | .70 | .68 | .72 | .69 | .67 | .71 | .68 | .67 | .70 | .68 | .66 | .65 |
| 6.0  | .71           | .68 | .66 | .71 | .68 | .66 | .70 | .67 | .65 | .69 | .67 | .65 | .68 | .66 | .65 | .64 |
| 7.0  | .69           | .66 | .64 | .69 | .66 | .64 | .68 | .65 | .64 | .67 | .65 | .63 | .66 | .64 | .63 | .62 |
| 8.0  | .67           | .64 | .62 | .67 | .64 | .62 | .66 | .64 | .62 | .66 | .63 | .62 | .65 | .63 | .61 | .61 |
| 9.0  | .66           | .63 | .61 | .65 | .62 | .61 | .65 | .62 | .60 | .64 | .62 | .60 | .64 | .62 | .60 | .59 |
| 10.0 | .64           | .61 | .59 | .64 | .61 | .59 | .63 | .61 | .59 | .63 | .60 | .59 | .62 | .60 | .59 | .58 |



C角度范围: 0度 - 360度  
 C角度间隔: 30.0度  
 测试速度: 快速  
 环境温度: 25.3℃  
 测试人员: Zoe  
 测试日期: 2022-12-23

γ角度范围: 0度 - 180度  
 γ角度间隔: 1.0度  
 测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.416  
 环境湿度: 65.0%  
 测试距离: 3.160米 [K=1.0000]  
 备注: LAMP: CMA1306-0000-000F0U0A30G Ra:90  
 LENS: PM-1084 15R  
 DRIVER: PUP20A-1WMC 500mA  
 30minutes warm-up

## 墙面和天花板利用系数

|   |  |  |                 |  |                 |
|---|--|--|-----------------|--|-----------------|
| 实测参数: U:119.89V I:0.1815A P:21.664W PF:0.9947 Freq:59.98Hz 实检光通:1884x1 lm |  |  |                 |  |                 |
| 灯具名称: 2214.412-2-LEA-09   |  |  | 灯具类型:           |  | 灯具重量:           |
| 灯具规格:3000K  |  |  | 外型尺寸:           |  | 测试编号:2212231379 |
| 制造厂商: RISE  |  |  | 发光口面:0.005865m2 |  | 遮光角:            |

|      |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
|------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| 顶棚   | 80%           |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
| 墙面   | 50%           | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| 地板   | 20%           |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| 室空间比 | 墙 壁 面 利 用 系 数 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
| 0.0  |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
| 1.0  | .105          | .060 | .019 | .100 | .057 | .018 | .091 | .052 | .017 | .082 | .047 | .015 | .074 | .043 | .014 |   |
| 2.0  | .097          | .053 | .016 | .093 | .051 | .016 | .085 | .047 | .015 | .078 | .044 | .014 | .071 | .040 | .013 |   |
| 3.0  | .090          | .048 | .014 | .086 | .046 | .014 | .080 | .043 | .013 | .074 | .040 | .012 | .068 | .038 | .012 |   |
| 4.0  | .084          | .043 | .013 | .081 | .042 | .012 | .075 | .040 | .012 | .070 | .038 | .011 | .065 | .035 | .011 |   |
| 5.0  | .078          | .040 | .012 | .076 | .039 | .011 | .071 | .037 | .011 | .067 | .035 | .010 | .063 | .033 | .010 |   |
| 6.0  | .074          | .037 | .011 | .071 | .036 | .010 | .067 | .035 | .010 | .064 | .033 | .010 | .060 | .032 | .009 |   |
| 7.0  | .070          | .034 | .010 | .068 | .034 | .010 | .064 | .032 | .009 | .061 | .031 | .009 | .058 | .030 | .009 |   |
| 8.0  | .066          | .032 | .009 | .064 | .032 | .009 | .061 | .031 | .009 | .058 | .030 | .009 | .056 | .029 | .008 |   |
| 9.0  | .063          | .030 | .008 | .061 | .030 | .008 | .059 | .029 | .008 | .056 | .028 | .008 | .054 | .027 | .008 |   |
| 10.0 | .060          | .029 | .008 | .059 | .028 | .008 | .056 | .028 | .008 | .054 | .027 | .008 | .052 | .026 | .008 |   |

|      |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
|------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| 顶棚   | 80%           |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
| 墙面   | 50%           | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| 地板   | 20%           |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| 室空间比 | 天 花 板 利 用 系 数 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
| 0.0  | .146          | .146 | .146 | .125 | .125 | .125 | .085 | .085 | .085 | .049 | .049 | .049 | .016 | .016 | .016 |   |
| 1.0  | .129          | .121 | .113 | .110 | .104 | .098 | .076 | .071 | .068 | .043 | .041 | .039 | .014 | .013 | .013 |   |
| 2.0  | .115          | .102 | .090 | .099 | .088 | .078 | .068 | .061 | .055 | .039 | .035 | .032 | .012 | .011 | .010 |   |
| 3.0  | .103          | .087 | .074 | .089 | .075 | .064 | .061 | .052 | .045 | .035 | .030 | .026 | .011 | .010 | .009 |   |
| 4.0  | .094          | .075 | .061 | .080 | .065 | .053 | .055 | .045 | .037 | .032 | .026 | .022 | .010 | .009 | .007 |   |
| 5.0  | .085          | .066 | .051 | .073 | .057 | .044 | .051 | .040 | .031 | .029 | .023 | .019 | .009 | .008 | .006 |   |
| 6.0  | .078          | .058 | .043 | .067 | .050 | .037 | .047 | .035 | .026 | .027 | .021 | .016 | .009 | .007 | .005 |   |
| 7.0  | .072          | .051 | .037 | .062 | .045 | .032 | .043 | .031 | .023 | .025 | .018 | .014 | .008 | .006 | .004 |   |
| 8.0  | .067          | .046 | .032 | .058 | .040 | .028 | .040 | .028 | .020 | .023 | .017 | .012 | .008 | .005 | .004 |   |
| 9.0  | .063          | .042 | .028 | .054 | .036 | .024 | .038 | .026 | .017 | .022 | .015 | .010 | .007 | .005 | .003 |   |
| 10.0 | .059          | .038 | .024 | .051 | .033 | .021 | .035 | .023 | .015 | .021 | .014 | .009 | .007 | .005 | .003 |   |

C角度范围: 0度 - 360度  
C角度间隔: 30.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: Zoe  
测试日期: 2022-12-23

γ角度范围: 0度 - 180度  
γ角度间隔: 1.0度  
测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.416  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP: CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## UGR(Unified Glare Rating)数据表

|   |                      |      |      |      |                 |                    |      |                 |      |      |
|---|----------------------|------|------|------|-----------------|--------------------|------|-----------------|------|------|
| 实测参数: U:119.89V I:0.1815A P:21.664W PF:0.9947 Freq:59.98Hz 实检光通:1884x1 lm |                      |      |      |      |                 |                    |      |                 |      |      |
| 灯具名称: 2214.412-2-LEA-09   |                      |      |      |      | 灯具类型:           |                    |      | 灯具重量:           |      |      |
| 灯具规格:3000K  |                      |      |      |      | 外型尺寸:           |                    |      | 测试编号:2212231379 |      |      |
| 制造厂商: RISE  |                      |      |      |      | 发光口面:0.005865m2 |                    |      | 遮光角:            |      |      |
| 反射比: 天花板  | 0.7                  | 0.7  | 0.5  | 0.5  | 0.3             | 0.7                | 0.7  | 0.5             | 0.5  | 0.3  |
| 墙面  | 0.5                  | 0.3  | 0.5  | 0.3  | 0.3             | 0.5                | 0.3  | 0.5             | 0.3  | 0.3  |
| 工作面   | 0.2                  | 0.2  | 0.2  | 0.2  | 0.2             | 0.2                | 0.2  | 0.2             | 0.2  | 0.2  |
| 房间尺寸  | 交叉(Viewed crosswise) |      |      |      |                 | 向前(Viewed endwise) |      |                 |      |      |
| x = 2H y = 2H   | 8.9                  | 9.5  | 9.1  | 9.7  | 9.8             | 9.3                | 9.9  | 9.5             | 10.1 | 10.2 |
| 3H  | 10.2                 | 10.8 | 10.5 | 11.0 | 11.2            | 10.6               | 11.2 | 10.8            | 11.4 | 11.5 |
| 4H  | 10.9                 | 11.4 | 11.1 | 11.6 | 11.9            | 11.2               | 11.8 | 11.5            | 12.0 | 12.2 |
| 6H  | 11.4                 | 11.9 | 11.7 | 12.2 | 12.4            | 11.8               | 12.3 | 12.1            | 12.6 | 12.8 |
| 8H  | 11.5                 | 12.1 | 11.8 | 12.3 | 12.6            | 12.0               | 12.5 | 12.3            | 12.7 | 13.0 |
| 12H   | 11.6                 | 12.1 | 11.9 | 12.4 | 12.6            | 12.0               | 12.5 | 12.3            | 12.8 | 13.1 |
| 4H 2H   | 9.3                  | 9.9  | 9.6  | 10.1 | 10.3            | 9.7                | 10.3 | 9.9             | 10.5 | 10.7 |
| 3H  | 11.0                 | 11.5 | 11.3 | 11.7 | 12.0            | 11.2               | 11.7 | 11.6            | 12.0 | 12.3 |
| 4H  | 11.8                 | 12.2 | 12.1 | 12.5 | 12.8            | 12.1               | 12.5 | 12.4            | 12.8 | 13.1 |
| 6H  | 12.4                 | 12.8 | 12.8 | 13.1 | 13.5            | 12.8               | 13.2 | 13.1            | 13.5 | 13.8 |
| 8H  | 12.6                 | 13.0 | 13.0 | 13.3 | 13.7            | 13.0               | 13.4 | 13.4            | 13.7 | 14.1 |
| 12H   | 12.7                 | 13.0 | 13.1 | 13.4 | 13.8            | 13.1               | 13.4 | 13.5            | 13.8 | 14.2 |
| 8H 4H   | 12.1                 | 12.4 | 12.4 | 12.8 | 13.1            | 12.3               | 12.7 | 12.7            | 13.1 | 13.4 |
| 6H  | 12.8                 | 13.2 | 13.3 | 13.6 | 14.0            | 13.2               | 13.5 | 13.6            | 13.9 | 14.3 |
| 8H  | 13.1                 | 13.4 | 13.6 | 13.8 | 14.3            | 13.5               | 13.8 | 13.9            | 14.2 | 14.6 |
| 12H   | 13.3                 | 13.5 | 13.7 | 14.0 | 14.4            | 13.6               | 13.8 | 14.1            | 14.3 | 14.8 |
| 12H 4H  | 12.1                 | 12.4 | 12.5 | 12.8 | 13.2            | 12.3               | 12.7 | 12.7            | 13.1 | 13.4 |
| 6H  | 12.9                 | 13.2 | 13.4 | 13.6 | 14.0            | 13.2               | 13.5 | 13.7            | 13.9 | 14.3 |
| 8H  | 13.2                 | 13.5 | 13.7 | 13.9 | 14.4            | 13.5               | 13.8 | 14.0            | 14.2 | 14.7 |
| 不同间隔布灯时,观察者位置引起的UGR变化:  |                      |      |      |      |                 |                    |      |                 |      |      |
| S = 1.0H  | + 0.4 / - 0.4        |      |      |      |                 | + 0.6 / - 0.5      |      |                 |      |      |
| 1.5H  | + 0.9 / - 0.4        |      |      |      |                 | + 1.3 / - 0.5      |      |                 |      |      |
| 2.0H  | + 0.1 / - 0.2        |      |      |      |                 | + 0.2 / - 0.2      |      |                 |      |      |

依据CIE Pub.117计算, 1884lm光源光通,表格已经进行修正( $8\log(F/F_0) = 2.2$ ).  
出光口面积: 0.005865 m2

C角度范围: 0度 - 360度  
C角度间隔: 30.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: Zoe  
测试日期: 2022-12-23

γ角度范围: 0度 - 180度  
γ角度间隔: 1.0度  
测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.416  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP: CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up



## UF利用系数表

|   |                 |                 |
|---|-----------------|-----------------|
| 实测参数: U:119.89V I:0.1815A P:21.664W PF:0.9947 Freq:59.98Hz 实检光通:1884x1 lm |                 |                 |
| 灯具名称: 2214.412-2-LEA-09   | 灯具类型:           | 灯具重量:           |
| 灯具规格:3000K  | 外型尺寸:           | 测试编号:2212231379 |
| 制造厂商: RISE  | 发光口面:0.005865m2 | 遮光角:            |

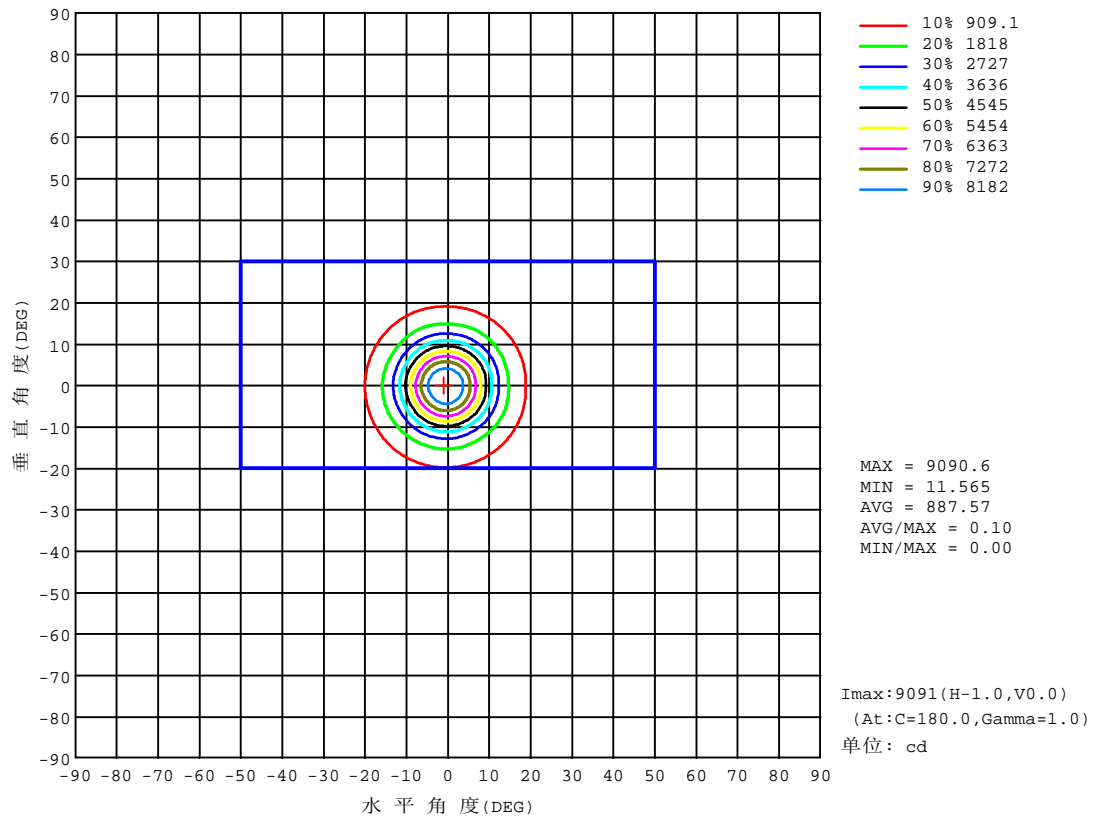
| 反 射 比 / REFLECTANCE        |  |     |     |     |     |     |                     |     |     |         |
|----------------------------|--|-----|-----|-----|-----|-----|---------------------|-----|-----|---------|
| 天花板                        | 0.8  | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5                 | 0.5 | 0.5 | 0       |
| 墙壁                         | 0.7  | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7                 | 0.5 | 0.3 | 0       |
| 工作面                        | 0.2  | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2                 | 0.2 | 0.2 | 0       |
| 室形指数                       | 利用系数 UTILIZATION FACTORS(%) $k(RI) \times RCR = 5$ |     |     |     |     |     |                     |     |     |         |
| $k = 0.60$                 | 69   | 64  | 61  | 68  | 64  | 61  | 68                  | 64  | 61  | 59      |
| 0.80                       | 74   | 70  | 67  | 74  | 70  | 67  | 73                  | 69  | 67  | 64      |
| 1.00                       | 77   | 73  | 70  | 76  | 73  | 70  | 75                  | 73  | 70  | 67      |
| 1.25                       | 80   | 76  | 74  | 79  | 76  | 73  | 78                  | 75  | 73  | 70      |
| 1.50                       | 82   | 78  | 76  | 81  | 78  | 76  | 79                  | 77  | 75  | 72      |
| 2.00                       | 84   | 81  | 78  | 83  | 80  | 78  | 81                  | 78  | 77  | 73      |
| 2.50                       | 85   | 82  | 80  | 84  | 81  | 79  | 81                  | 79  | 78  | 73      |
| 3.00                       | 86   | 83  | 81  | 85  | 82  | 81  | 82                  | 80  | 79  | 74      |
| 4.00                       | 87   | 85  | 84  | 86  | 84  | 83  | 83                  | 82  | 81  | 75      |
| 5.00                       | 88   | 87  | 85  | 87  | 85  | 84  | 84                  | 83  | 82  | 76      |
| ROOM INDEX                 | UF (总)   |     |     |     |     |     |                     |     |     | UF (直接) |
| 依据标准文件 DIN EN 13032-2 2004 |  |     | 悬挂灯 |     |     |     | 安装距高比 SHRNOM = 1.25 |     |     |         |

C角度范围: 0度 - 360度  
 C角度间隔: 30.0度  
 测试速度: 快速  
 环境温度: 25.3℃  
 测试人员: Zoe  
 测试日期: 2022-12-23

γ角度范围: 0度 - 180度  
 γ角度间隔: 1.0度  
 测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.416  
 环境湿度: 65.0%  
 测试距离: 3.160米 [K=1.0000]  
 备注: LAMP: CMA1306-0000-000F0U0A30G Ra:90  
 LENS: PM-1084 15R  
 DRIVER: PUP20A-1WMC 500mA  
 30minutes warm-up

## 灯 具 等 光 强 曲 线

|   |                 |                 |
|---|-----------------|-----------------|
| 实测参数: U:119.89V I:0.1815A P:21.664W PF:0.9947 Freq:59.98Hz 实检光通:1884x1 lm |                 |                 |
| 灯具名称: 2214.412-2-LEA-09   | 灯具类型:           | 灯具重量:           |
| 灯具规格:3000K  | 外型尺寸:           | 测试编号:2212231379 |
| 制造厂商: RISE  | 发光口面:0.005865m2 | 遮光角:            |



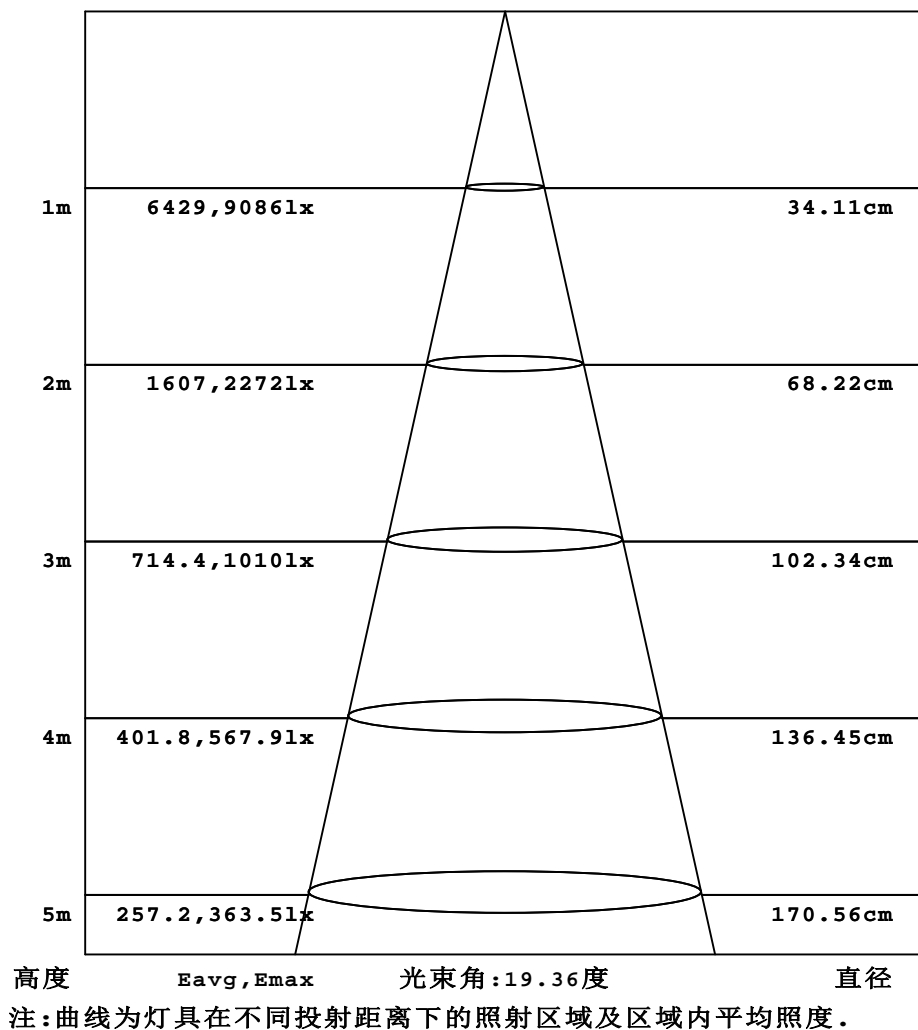
C角度范围: 0度 - 360度  
 C角度间隔: 30.0度  
 测试速度: 快速  
 环境温度: 25.3℃  
 测试人员: Zoe  
 测试日期: 2022-12-23

Y角度范围: 0度 - 180度  
 Y角度间隔: 1.0度  
 测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.416  
 环境湿度: 65.0%  
 测试距离: 3.160米 [K=1.0000]  
 备注: LAMP: CMA1306-0000-000F0U0A30G Ra:90  
 LENS: PM-1084 15R  
 DRIVER: PUP20A-1WMC 500mA  
 30minutes warm-up

## 灯具有效平均照度图

|   |                              |                  |
|---|------------------------------|------------------|
| 实测参数: U:119.89V I:0.1815A P:21.664W PF:0.9947 Freq:59.98Hz 实检光通:1884x1 lm |                              |                  |
| 灯具名称: 2214.412-2-LEA-09   | 灯具类型:                        | 灯具重量:            |
| 灯具规格: 3000K   | 外型尺寸:                        | 测试编号: 2212231379 |
| 制造厂商: RISE  | 发光口面: 0.005865m <sup>2</sup> | 遮光角:             |

光通输出: 628.0 lm

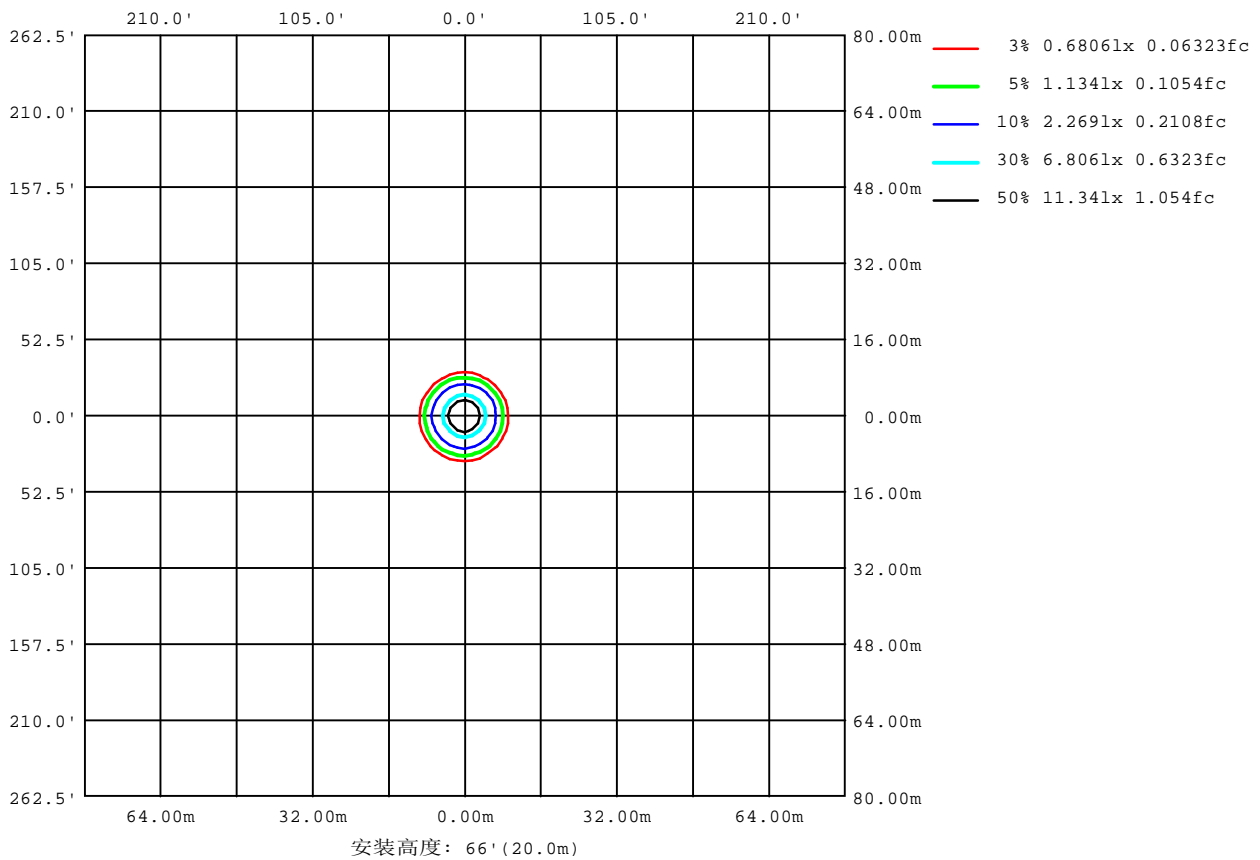


C角度范围: 0度 - 360度  
 C角度间隔: 30.0度  
 测试速度: 快速  
 环境温度: 25.3℃  
 测试人员: Zoe  
 测试日期: 2022-12-23

γ角度范围: 0度 - 180度  
 γ角度间隔: 1.0度  
 测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.416  
 环境湿度: 65.0%  
 测试距离: 3.160米 [K=1.0000]  
 备注: LAMP: CMA1306-0000-000F0U0A30G Ra:90  
 LENS: PM-1084 15R  
 DRIVER: PUP20A-1WMC 500mA  
 30minutes warm-up

## 平面等照度曲线

|   |                              |                  |
|---|------------------------------|------------------|
| 实测参数: U:119.89V I:0.1815A P:21.664W PF:0.9947 Freq:59.98Hz 实检光通:1884x1 lm |                              |                  |
| 灯具名称: 2214.412-2-LEA-09   | 灯具类型:                        | 灯具重量:            |
| 灯具规格: 3000K   | 外型尺寸:                        | 测试编号: 2212231379 |
| 制造厂商: RISE  | 发光口面: 0.005865m <sup>2</sup> | 遮光角:             |



C角度范围: 0度 - 360度  
 C角度间隔: 30.0度  
 测试速度: 快速  
 环境温度: 25.3℃  
 测试人员: Zoe  
 测试日期: 2022-12-23

Y角度范围: 0度 - 180度  
 Y角度间隔: 1.0度  
 测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.416  
 环境湿度: 65.0%  
 测试距离: 3.160米 [K=1.0000]  
 备注: LAMP: CMA1306-0000-000F0U0A30G Ra:90  
 LENS: PM-1084 15R  
 DRIVER: PUP20A-1WMC 500mA  
 30minutes warm-up

## LED筒灯平均亮度报告

|   |                 |                 |
|---|-----------------|-----------------|
| 实测参数: U:119.89V I:0.1815A P:21.664W PF:0.9947 Freq:59.98Hz 实检光通:1884x1 lm |                 |                 |
| 灯具名称: 2214.412-2-LEA-09   | 灯具类型:           | 灯具重量:           |
| 灯具规格:3000K  | 外型尺寸:           | 测试编号:2212231379 |
| 制造厂商: RISE  | 发光口面:0.005865m2 | 遮光角:            |

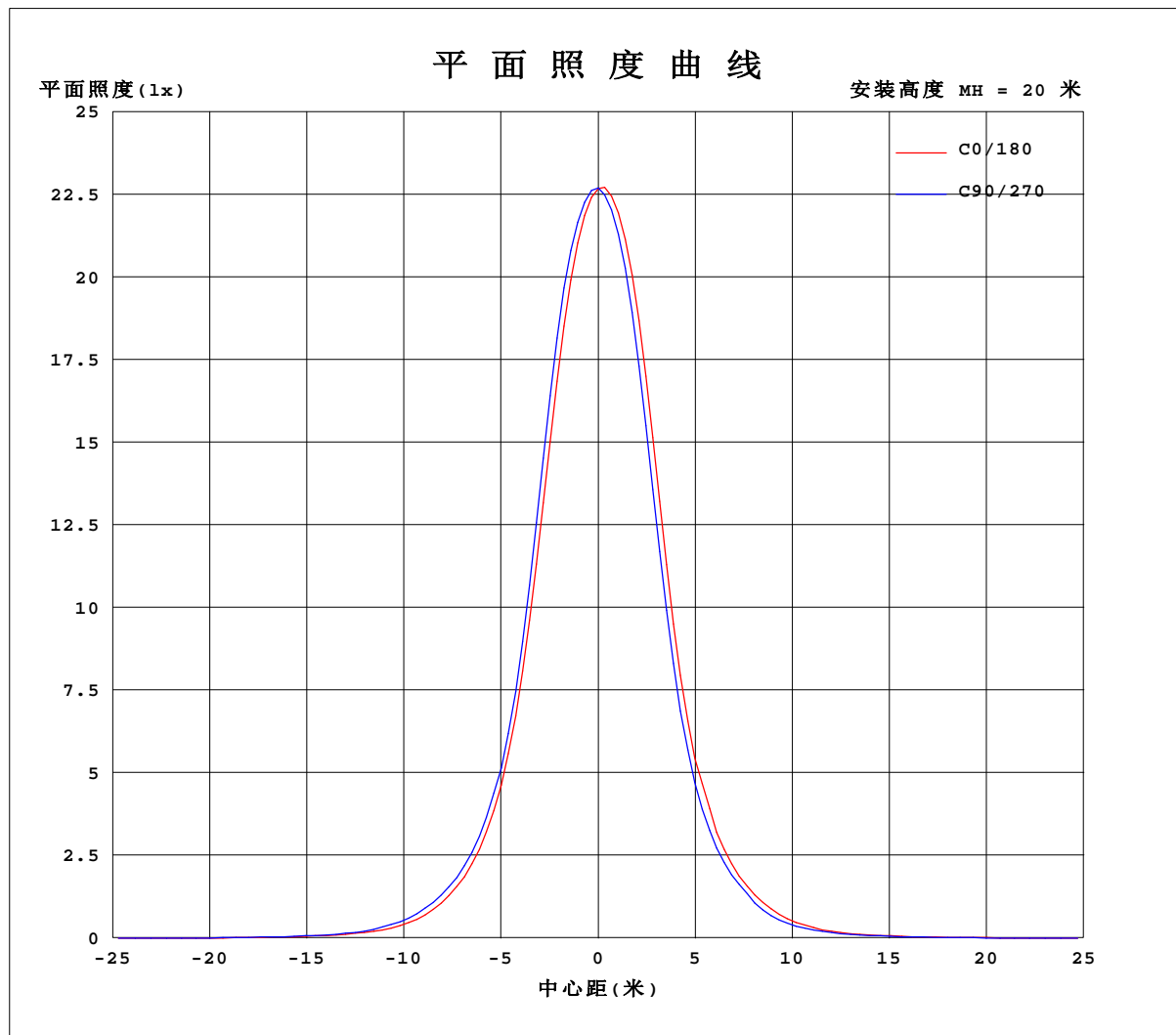
| 平均亮度      | 数值(cd/m2) |
|-----------|-----------|
| L横(65)av  | 3990      |
| L横(75)av  | 4130      |
| L横(85)av  | 2792      |
| L纵(65)av  | 3975      |
| L纵(75)av  | 4131      |
| L纵(85)av  | 1817      |
| L45(65)av | 3991      |
| L45(75)av | 4122      |
| L45(85)av | 2627      |

注:依据标准 GB/T 29293-2012 计算

C角度范围: 0度 - 360度  
 C角度间隔: 30.0度  
 测试速度: 快速  
 环境温度:25.3℃  
 测试人员:Zoe  
 测试日期:2022-12-23

γ角度范围: 0度 - 180度  
 γ角度间隔: 1.0度  
 测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.416  
 环境湿度:65.0%  
 测试距离:3.160米 [K=1.0000]  
 备注: LAMP:CMA1306-0000-000F0U0A30G Ra:90  
 LENS: PM-1084 15R  
 DRIVER:PUP20A-1WMC 500mA  
 30minutes warm-up

## 平面照度曲线



C角度范围: 0度 - 360度  
 C角度间隔: 30.0度  
 测试速度: 快速  
 环境温度: 25.3℃  
 测试人员: Zoe  
 测试日期: 2022-12-23

Y角度范围: 0度 - 180度  
 Y角度间隔: 1.0度  
 测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.416  
 环境湿度: 65.0%  
 测试距离: 3.160米 [K=1.0000]  
 备注: LAMP: CMA1306-0000-000F0U0A30G Ra: 90  
 LENS: PM-1084 15R  
 DRIVER: PUP20A-1WMC 500mA  
 30minutes warm-up

## 光 强 分 布 数 据 表 格

|   |                 |                 |
|---|-----------------|-----------------|
| 实测参数: U:119.89V I:0.1815A P:21.664W PF:0.9947 Freq:59.98Hz 实检光通:1884x1 lm |                 |                 |
| 灯具名称: 2214.412-2-LEA-09   | 灯具类型:           | 灯具重量:           |
| 灯具规格:3000K  | 外型尺寸:           | 测试编号:2212231379 |
| 制造厂商: RISE  | 发光口面:0.005865m2 | 遮光角:            |

表--1

单位: cd

| C(°)  | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |  |  |  |  |  |  |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| g (°) | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |  |  |  |  |  |  |
| 0     | 9077 | 9077 | 9077 | 9077 | 9077 | 9077 | 9077 | 9077 | 9077 | 9077 | 9077 | 9077 |  |  |  |  |  |  |
| 5     | 7493 | 7637 | 7768 | 7956 | 8036 | 8034 | 8121 | 7980 | 7861 | 7662 | 7591 | 7575 |  |  |  |  |  |  |
| 10    | 4031 | 4162 | 4261 | 4474 | 4580 | 4621 | 4737 | 4510 | 4351 | 4153 | 4116 | 4140 |  |  |  |  |  |  |
| 15    | 1716 | 1846 | 1824 | 1954 | 1961 | 2040 | 2082 | 1899 | 1898 | 1736 | 1800 | 1753 |  |  |  |  |  |  |
| 20    | 759  | 799  | 847  | 892  | 912  | 912  | 910  | 871  | 821  | 786  | 757  | 764  |  |  |  |  |  |  |
| 25    | 313  | 342  | 365  | 404  | 409  | 404  | 395  | 352  | 331  | 303  | 305  | 307  |  |  |  |  |  |  |
| 30    | 134  | 145  | 152  | 168  | 174  | 171  | 161  | 144  | 138  | 130  | 129  | 130  |  |  |  |  |  |  |
| 35    | 66.5 | 71.6 | 76.2 | 80.3 | 82.2 | 81.0 | 77.4 | 72.3 | 68.0 | 64.9 | 64.3 | 64.8 |  |  |  |  |  |  |
| 40    | 34.7 | 37.0 | 38.8 | 41.6 | 42.9 | 42.8 | 41.6 | 38.6 | 37.5 | 35.6 | 35.0 | 34.8 |  |  |  |  |  |  |
| 45    | 17.2 | 18.4 | 18.4 | 20.2 | 20.0 | 21.2 | 21.4 | 19.7 | 20.2 | 18.2 | 18.4 | 17.5 |  |  |  |  |  |  |
| 50    | 13.0 | 13.1 | 13.3 | 13.6 | 13.8 | 13.9 | 13.9 | 13.8 | 13.6 | 13.3 | 13.2 | 13.1 |  |  |  |  |  |  |
| 55    | 11.7 | 11.8 | 11.9 | 12.1 | 12.3 | 12.3 | 12.4 | 12.2 | 12.1 | 12.0 | 11.9 | 11.8 |  |  |  |  |  |  |
| 60    | 10.6 | 10.7 | 10.8 | 11.0 | 11.2 | 11.2 | 11.1 | 11.0 | 10.9 | 10.8 | 10.8 |      |  |  |  |  |  |  |
| 65    | 9.61 | 9.67 | 9.77 | 9.94 | 10.1 | 10.2 | 10.2 | 10.0 | 9.92 | 9.77 | 9.77 | 9.71 |  |  |  |  |  |  |
| 70    | 8.00 | 8.09 | 8.21 | 8.40 | 8.53 | 8.59 | 8.66 | 8.51 | 8.38 | 8.21 | 8.13 | 8.07 |  |  |  |  |  |  |
| 75    | 5.92 | 6.04 | 6.18 | 6.42 | 6.52 | 6.56 | 6.62 | 6.45 | 6.31 | 6.13 | 6.03 | 5.98 |  |  |  |  |  |  |
| 80    | 3.73 | 3.88 | 4.02 | 4.19 | 4.34 | 4.37 | 4.41 | 4.25 | 3.99 | 3.64 | 3.72 | 3.79 |  |  |  |  |  |  |
| 85    | 1.17 | 1.42 | 1.29 | 1.21 | 1.47 | 1.74 | 1.68 | 1.52 | 1.04 | 0.64 | 0.89 | 1.23 |  |  |  |  |  |  |
| 90    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 95    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 100   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 105   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 110   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 115   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 120   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 125   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 130   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 135   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 140   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 145   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 150   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 155   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 160   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 165   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 170   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 175   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |
| 180   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |  |  |

C角度范围: 0度 - 360度

C角度间隔: 30.0度

测试速度: 快速

环境温度: 25.3℃

测试人员: Zoe

测试日期: 2022-12-23

γ角度范围: 0度 - 180度

γ角度间隔: 1.0度

测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.416

环境湿度: 65.0%

测试距离: 3.160米 [K=1.0000]

备注: LAMP: CMA1306-0000-000F0U0A30G Ra: 90

LENS: PM-1084 15R

DRIVER: PUP20A-1WMC 500mA

30minutes warm-up