

## 燈 具 實 物 照 片



|                     |         |                          |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 53.2%   |                          |
| Luminaire Power:    | 12.18 W |                          |
| SHR Nominal:        | 0.50    | Calculated using the TM5 |
| SHR Maximum:        | 0.55    | 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: 2023-12-8

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 V2.00.461  
 环境湿度: 65.0%  
 测试距离: 3.160米 [K=1.0000]  
 备注: LAMP: CMA1306-0000-000N0U0A30G Ra:90  
 LENS: PM-1084B 36R  
 DRIVER: PUP10A-1WMC-350 260mA  
 30minutes warm-up

## 灯具配光曲线及特征面照片

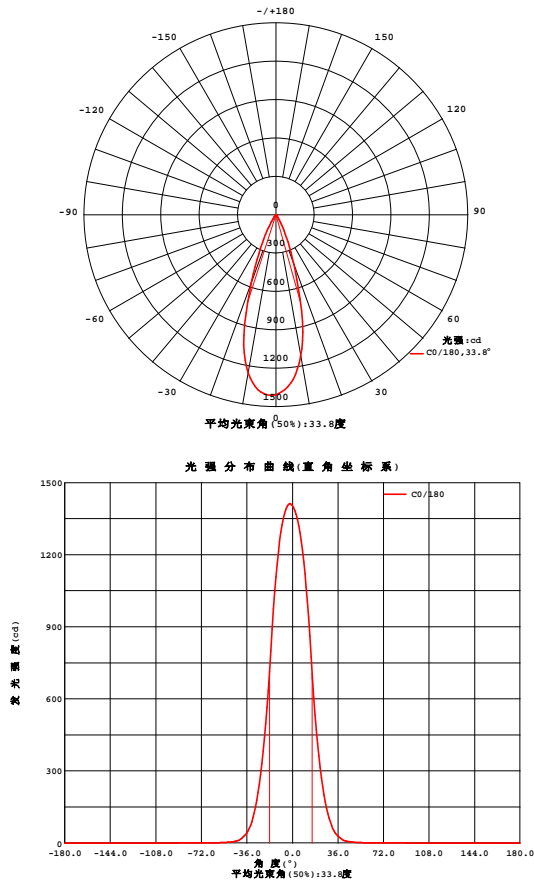


Fig. C0/C180

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: 2023-12-8

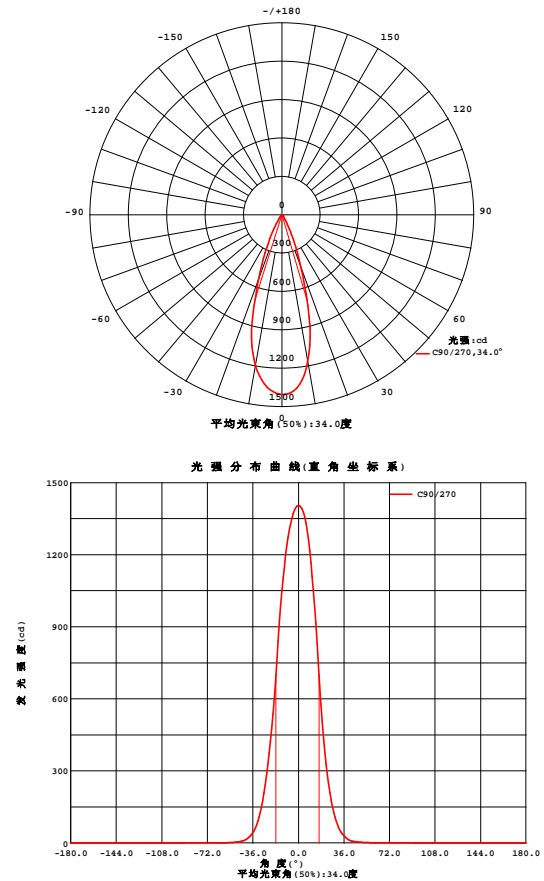


Fig. C90/C270

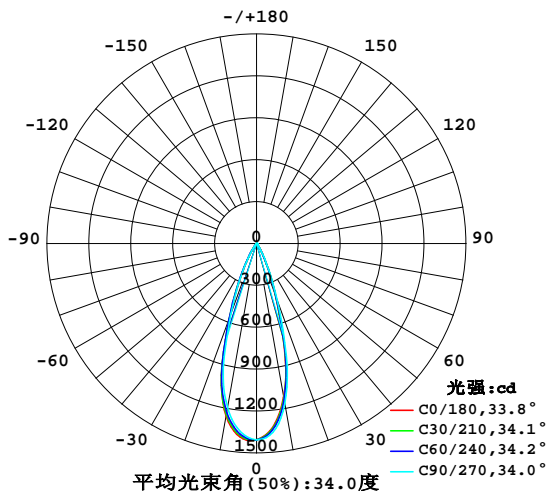
Y角度范围: 0度 - 180度  
Y角度间隔: 1.0度  
测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.461  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP:CMA1306-0000-000N0U0A30G Ra:90  
LENS:PM-1084B 36R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up

## 室内灯具光度数据

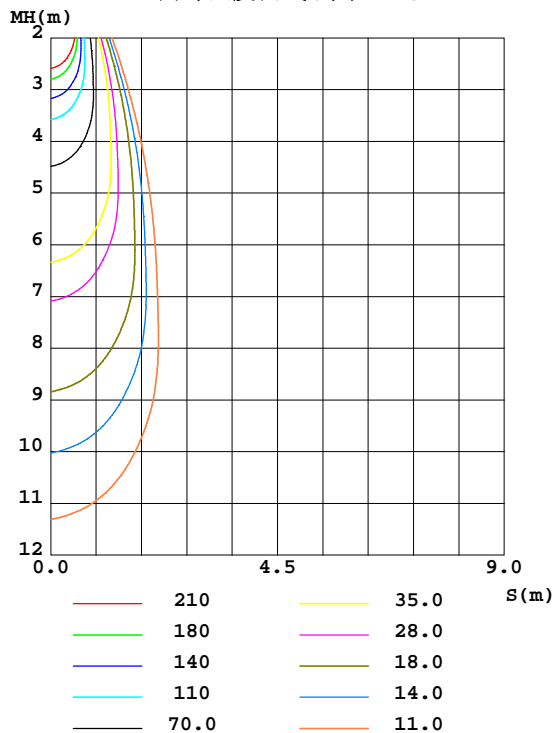
|  |                                |                  |
|--|--------------------------------|------------------|
| 实测参数: U:120.18V I:0.1024A P:12.181W PF:0.9887 Freq:59.98Hz<br>实检光通: 959.178x1 lm |                                |                  |
| 灯具名称: 2318.117-LEA-13  | 灯具类型:                          | 灯具重量:            |
| 灯具规格: 3000K  | 外型尺寸:                          | 测试编号: 2312081434 |
| 制造厂商: RISE   | 发光口面: 0.00180864m <sup>2</sup> | 遮光角:             |

| 光源数据      |         | 光度数据     |        |                 |          | 光效: 41.89 lm/W |
|-----------|---------|----------|--------|-----------------|----------|----------------|
| 型号        | CREE    | 峰值光强(cd) | 1412   | S/MH(C0/180)    | 0.57     |                |
| 标称功率(W)   | 12      | 灯具效率(%)  | 53.2   | S/MH(C90/270)   | 0.57     |                |
| 额定电源电压(V) | 120     | 总光通量(lm) | 510.29 | UP,DN(C0-180)   | 0.0,25.0 |                |
| 额定光通量(lm) | 959.178 | CIE分类    | 直接     | UP,DN(C180-360) | 0.0,28.2 |                |
| 灯具内光源数(只) | 1       | 上射光通比(%) | 0.0    | CIBSE SHR NOM   | 0.50     |                |
| 实测电源电压(V) | 120     | 下射光通比(%) | 53.2   | CIBSE SHR MAX   | 0.55     |                |

室内灯具配光曲线



空间等照度曲线(单位:lx)



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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: 2023-12-8

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 V2.00.461  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP:CMA1306-0000-000N0U0A30G Ra:90  
LENS:PM-1084B 36R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up

## 灯具环带光通量

环带光通量:

|       | C0     | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma(^{\circ})$ | 环      | 总     | %lum, lamp |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------------------|--------|-------|------------|
| 10    | 1120   | 1132   | 1165   | 1221   | 1255   | 1238   | 1196   | 1150   | 0- 10              | 124.0  | 124.0 | 24.3, 12.9 |
| 20    | 414.3  | 410.9  | 436.7  | 501.5  | 563.7  | 579.8  | 535.7  | 470.8  | 10- 20             | 232.0  | 356.0 | 69.8, 37.1 |
| 30    | 88.07  | 83.86  | 89.50  | 107.6  | 126.1  | 134.3  | 126.5  | 104.8  | 20- 30             | 116.7  | 472.6 | 92.6, 49.3 |
| 40    | 13.08  | 12.33  | 13.07  | 16.42  | 19.57  | 20.70  | 19.69  | 16.02  | 30- 40             | 30.25  | 502.9 | 98.6, 52.4 |
| 50    | 2.662  | 2.751  | 2.892  | 3.133  | 3.409  | 3.247  | 3.067  | 2.675  | 40- 50             | 5.515  | 508.4 | 99.6, 53   |
| 60    | 0.5458 | 0.5760 | 0.6245 | 0.7722 | 0.9277 | 0.6650 | 0.4843 | 0.4515 | 50- 60             | 1.427  | 509.8 | 99.9, 53.2 |
| 70    | 0.1567 | 0.1563 | 0.1561 | 0.1811 | 0.2011 | 0.2185 | 0.2214 | 0.1745 | 60- 70             | 0.3493 | 510.2 | 100, 53.2  |
| 80    | 0.0239 | 0.0271 | 0.0294 | 0.0262 | 0.0245 | 0.0237 | 0.0218 | 0.0188 | 70- 80             | 0.0806 | 510.3 | 100, 53.2  |
| 90    | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 80- 90             | 0.0182 | 510.3 | 100, 53.2  |
| 100   | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 90-100             | 0      | 510.3 | 100, 53.2  |
| 110   | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 100-110            | 0      | 510.3 | 100, 53.2  |
| 120   | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 110-120            | 0      | 510.3 | 100, 53.2  |
| 130   | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 120-130            | 0      | 510.3 | 100, 53.2  |
| 140   | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 130-140            | 0      | 510.3 | 100, 53.2  |
| 150   | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 140-150            | 0      | 510.3 | 100, 53.2  |
| 160   | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 150-160            | 0      | 510.3 | 100, 53.2  |
| 170   | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 160-170            | 0      | 510.3 | 100, 53.2  |
| 180   | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 170-180            | 0      | 510.3 | 100, 53.2  |
| 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: 2023-12-8

$\gamma$ 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 V2.00.461  
 环境湿度: 65.0%  
 测试距离: 3.160米 [K=1.0000]  
 备注: LAMP: CMA1306-0000-000N0U0A30G Ra:90  
 LENS: PM-1084B 36R  
 DRIVER: PUP10A-1WMC-350 260mA  
 30minutes warm-up

## 灯具亮度限制曲线

实测参数: U:120.18V I:0.1024A P:12.181W PF:0.9887 Freq:59.98Hz  
实检光通: 959.178x1 lm

灯具名称: 2318.117-LEA-13

灯具类型:

灯具重量:

灯具规格: 3000K

外型尺寸:

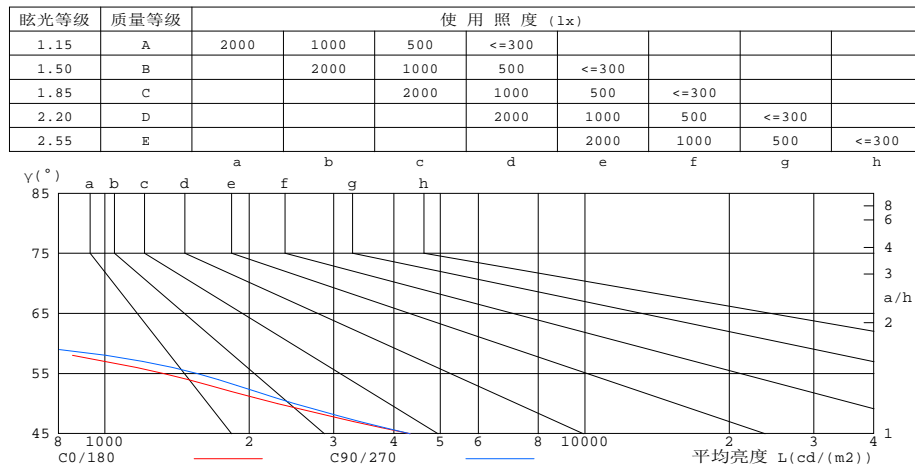
测试编号: 2312081434

制造厂商: RISE

发光口面: 0.00180864m<sup>2</sup>

遮光角:

有光侧边灯具的亮度限制曲线



| 平均亮度值 cd/(m2) |        |         |
|---------------|--------|---------|
| γ(°)          | C0/180 | C90/270 |
| 85            | 106    | 148     |
| 80            | 76     | 94      |
| 75            | 99     | 113     |
| 70            | 253    | 252     |
| 65            | 460    | 475     |
| 60            | 604    | 690     |
| 55            | 1328   | 1559    |
| 50            | 2292   | 2486    |
| 45            | 4328   | 4328    |

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: 2023-12-8

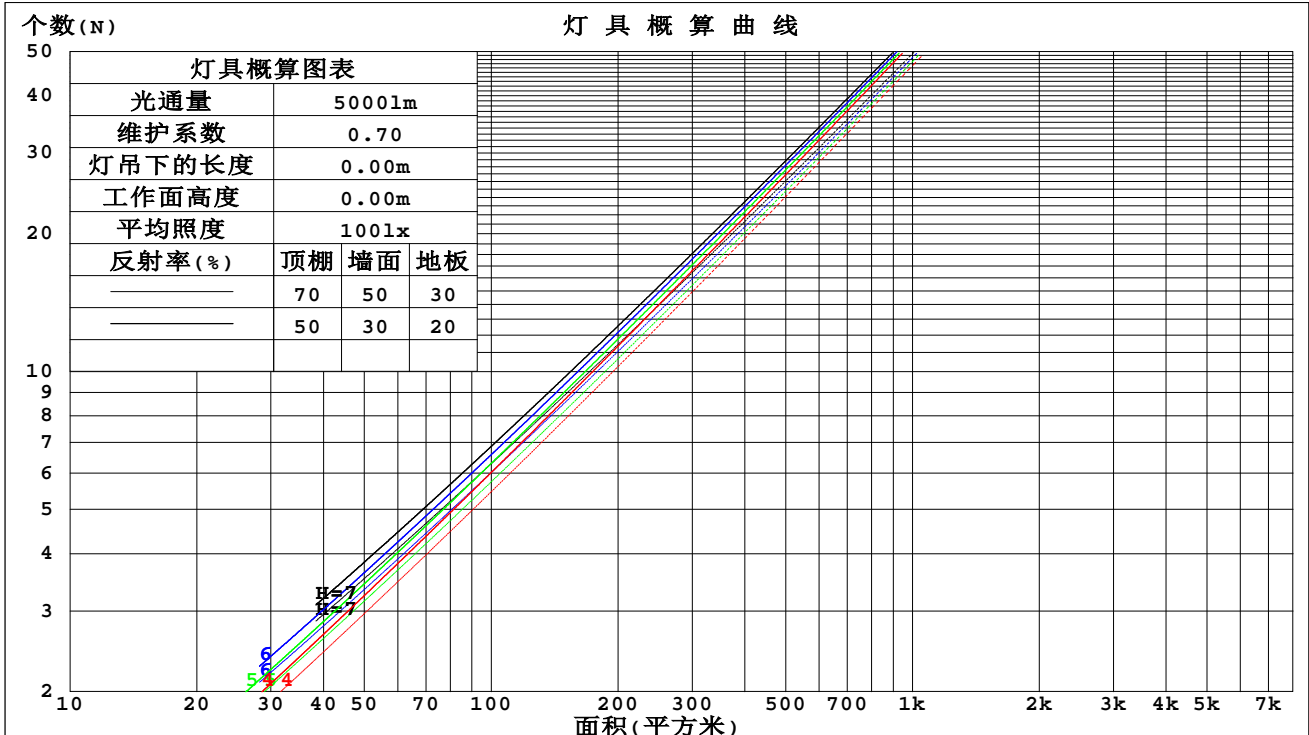
γ角度范围: 0度 - 180度  
γ角度间隔: 1.0度  
测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.461  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP:CMA1306-0000-000N0U0A30G Ra:90  
LENS:PM-1084B 36R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up

## 工作面利用系数和灯具概算曲线

实测参数: U:120.18V I:0.1024A P:12.181W PF:0.9887 Freq:59.98Hz  
实检光通: 959.178x1 lm

|                       |                                |                  |
|-----------------------|--------------------------------|------------------|
| 灯具名称: 2318.117-LEA-13 | 灯具类型:                          | 灯具重量:            |
| 灯具规格: 3000K           | 外型尺寸:                          | 测试编号: 2312081434 |
| 制造厂商: RISE            | 发光口面: 0.00180864m <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  | .63           | .63 | .63 | .62 | .62 | .62 | .59 | .59 | .59 | .57 | .57 | .57 | .54 | .54 | .54 | .53 |
| 1.0  | .60           | .59 | .58 | .59 | .58 | .57 | .57 | .56 | .55 | .55 | .54 | .53 | .53 | .52 | .52 | .51 |
| 2.0  | .57           | .55 | .53 | .56 | .54 | .53 | .54 | .53 | .52 | .53 | .52 | .51 | .51 | .50 | .50 | .49 |
| 3.0  | .54           | .52 | .50 | .53 | .51 | .50 | .52 | .50 | .49 | .51 | .49 | .48 | .50 | .48 | .48 | .47 |
| 4.0  | .51           | .49 | .47 | .51 | .49 | .47 | .50 | .48 | .47 | .49 | .47 | .46 | .48 | .47 | .46 | .45 |
| 5.0  | .49           | .47 | .45 | .49 | .47 | .45 | .48 | .46 | .44 | .47 | .45 | .44 | .46 | .45 | .44 | .43 |
| 6.0  | .47           | .45 | .43 | .47 | .45 | .43 | .46 | .44 | .43 | .45 | .44 | .42 | .45 | .43 | .42 | .41 |
| 7.0  | .45           | .43 | .41 | .45 | .43 | .41 | .44 | .42 | .41 | .44 | .42 | .41 | .43 | .42 | .40 | .40 |
| 8.0  | .44           | .41 | .39 | .43 | .41 | .39 | .43 | .41 | .39 | .42 | .40 | .39 | .42 | .40 | .39 | .38 |
| 9.0  | .42           | .40 | .38 | .42 | .39 | .38 | .41 | .39 | .38 | .41 | .39 | .38 | .41 | .39 | .38 | .37 |
| 10.0 | .41           | .38 | .37 | .40 | .38 | .37 | .40 | .38 | .36 | .40 | .38 | .36 | .39 | .38 | .36 | .36 |



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: 2023-12-8

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 V2.00.461  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP:CMA1306-0000-000N0U0A30G Ra:90  
LENS:PM-1084B 36R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up

## 墙面和天花板利用系数

|  |                    |                  |
|--|--------------------|------------------|
| 实测参数: U:120.18V I:0.1024A P:12.181W PF:0.9887 Freq:59.98Hz<br>实检光通: 959.178x1 lm |                    |                  |
| 灯具名称: 2318.117-LEA-13  | 灯具类型:              | 灯具重量:            |
| 灯具规格: 3000K  | 外型尺寸:              | 测试编号: 2312081434 |
| 制造厂商: RISE   | 发光口面: 0.00180864m2 | 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  | .078          | .044 | .014 | .075 | .043 | .014 | .068 | .039 | .012 | .062 | .036 | .011 | .056 | .033 | .011 |   |
| 2.0  | .073          | .040 | .012 | .070 | .039 | .012 | .065 | .036 | .011 | .060 | .033 | .010 | .055 | .031 | .010 |   |
| 3.0  | .069          | .037 | .011 | .066 | .035 | .011 | .062 | .033 | .010 | .057 | .031 | .010 | .053 | .030 | .009 |   |
| 4.0  | .065          | .034 | .010 | .063 | .033 | .010 | .059 | .031 | .009 | .055 | .030 | .009 | .052 | .028 | .009 |   |
| 5.0  | .061          | .031 | .009 | .060 | .031 | .009 | .056 | .029 | .009 | .053 | .028 | .008 | .050 | .027 | .008 |   |
| 6.0  | .058          | .029 | .008 | .057 | .029 | .008 | .054 | .028 | .008 | .051 | .027 | .008 | .049 | .026 | .008 |   |
| 7.0  | .056          | .028 | .008 | .054 | .027 | .008 | .052 | .026 | .008 | .049 | .025 | .007 | .047 | .025 | .007 |   |
| 8.0  | .053          | .026 | .007 | .052 | .026 | .007 | .050 | .025 | .007 | .048 | .024 | .007 | .046 | .024 | .007 |   |
| 9.0  | .051          | .025 | .007 | .050 | .024 | .007 | .048 | .024 | .007 | .046 | .023 | .007 | .044 | .023 | .007 |   |
| 10.0 | .049          | .024 | .007 | .048 | .023 | .006 | .046 | .023 | .006 | .045 | .022 | .006 | .043 | .022 | .006 |   |

|      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
|------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| 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  | .101    | .101 | .101 | .087 | .087 | .087 | .059 | .059 | .059 | .034 | .034 | .034 | .011 | .011 | .011 |   |
| 1.0  | .090    | .084 | .078 | .077 | .072 | .067 | .053 | .049 | .047 | .030 | .029 | .027 | .010 | .009 | .009 |   |
| 2.0  | .081    | .071 | .062 | .069 | .061 | .054 | .047 | .042 | .037 | .027 | .024 | .022 | .009 | .008 | .007 |   |
| 3.0  | .073    | .060 | .050 | .063 | .052 | .043 | .043 | .036 | .030 | .025 | .021 | .018 | .008 | .007 | .006 |   |
| 4.0  | .067    | .052 | .041 | .057 | .045 | .036 | .039 | .031 | .025 | .023 | .018 | .015 | .007 | .006 | .005 |   |
| 5.0  | .061    | .046 | .034 | .053 | .040 | .030 | .036 | .028 | .021 | .021 | .016 | .012 | .007 | .005 | .004 |   |
| 6.0  | .057    | .041 | .029 | .049 | .035 | .025 | .034 | .025 | .018 | .020 | .014 | .011 | .006 | .005 | .003 |   |
| 7.0  | .053    | .036 | .024 | .046 | .031 | .021 | .032 | .022 | .015 | .018 | .013 | .009 | .006 | .004 | .003 |   |
| 8.0  | .050    | .033 | .021 | .043 | .028 | .018 | .030 | .020 | .013 | .017 | .012 | .008 | .006 | .004 | .003 |   |
| 9.0  | .047    | .030 | .018 | .040 | .026 | .016 | .028 | .018 | .011 | .016 | .011 | .007 | .005 | .004 | .002 |   |
| 10.0 | .044    | .027 | .016 | .038 | .024 | .014 | .027 | .017 | .010 | .016 | .010 | .006 | .005 | .003 | .002 |   |

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测试速度: 快速  
环境温度: 25.3℃  
测试人员: zoe  
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γ角度范围: 0度 - 180度  
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测试系统: 远方(EVERFINE)GO-SPEX500\_V1系统 V2.00.461  
环境湿度: 65.0%  
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备注: LAMP:CMA1306-0000-000N0U0A30G Ra:90  
LENS:PM-1084B 36R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up

## UGR(Unified Glare Rating)数据表

|  |     |                      |      |      |                   |      |                    |                 |      |      |      |      |
|--|-----|----------------------|------|------|-------------------|------|--------------------|-----------------|------|------|------|------|
| 实测参数：U:120.18V I:0.1024A P:12.181W PF:0.9887 Freq:59.98Hz<br>实检光通：959.178x1 lm |     |                      |      |      |                   |      |                    |                 |      |      |      |      |
| 灯具名称：2318.117-LEA-13   |     |                      |      |      | 灯具类型：             |      |                    | 灯具重量：           |      |      |      |      |
| 灯具规格：3000K   |     |                      |      |      | 外型尺寸：             |      |                    | 测试编号：2312081434 |      |      |      |      |
| 制造厂商：RISE  |     |                      |      |      | 发光口面：0.00180864m2 |      |                    | 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   |     | 横向(Viewed crosswise) |      |      |                   |      | 纵向(Viewed endwise) |                 |      |      |      |      |
| x = 2H y = 2H  | 2H  | 9.5                  | 10.3 | 9.8  | 10.4              | 10.6 | 9.6                | 10.3            | 9.8  | 10.5 | 10.6 |      |
|  | 3H  | 9.4                  | 10.1 | 9.6  | 10.3              | 10.5 | 9.5                | 10.1            | 9.7  | 10.3 | 10.5 |      |
|  | 4H  | 9.3                  | 10.0 | 9.6  | 10.2              | 10.4 | 9.4                | 10.0            | 9.6  | 10.2 | 10.4 |      |
|  | 6H  | 9.2                  | 9.8  | 9.5  | 10.1              | 10.3 | 9.3                | 9.9             | 9.6  | 10.1 | 10.4 |      |
|  | 8H  | 9.2                  | 9.8  | 9.5  | 10.0              | 10.3 | 9.2                | 9.8             | 9.5  | 10.1 | 10.3 |      |
|  | 12H | 9.1                  | 9.7  | 9.5  | 10.0              | 10.2 | 9.2                | 9.8             | 9.5  | 10.0 | 10.3 |      |
|  | 4H  | 2H                   | 9.3  | 10.0 | 9.6               | 10.2 | 10.4               | 9.4             | 10.0 | 9.6  | 10.2 | 10.4 |
|  | 3H  | 9.2                  | 9.7  | 9.5  | 10.0              | 10.3 | 9.2                | 9.8             | 9.5  | 10.0 | 10.3 |      |
|  | 4H  | 9.1                  | 9.6  | 9.4  | 9.9               | 10.2 | 9.1                | 9.6             | 9.5  | 9.9  | 10.2 |      |
|  | 6H  | 9.0                  | 9.4  | 9.3  | 9.7               | 10.1 | 9.0                | 9.5             | 9.4  | 9.8  | 10.1 |      |
|  | 8H  | 8.9                  | 9.3  | 9.3  | 9.7               | 10.0 | 9.0                | 9.4             | 9.4  | 9.7  | 10.1 |      |
|  | 12H | 8.9                  | 9.2  | 9.3  | 9.6               | 10.0 | 8.9                | 9.3             | 9.3  | 9.7  | 10.1 |      |
| 8H   | 4H  | 8.9                  | 9.3  | 9.3  | 9.7               | 10.0 | 9.0                | 9.4             | 9.4  | 9.7  | 10.1 |      |
| 6H   | 8.8 | 9.2                  | 9.2  | 9.5  | 10.0              | 8.9  | 9.2                | 9.3             | 9.6  | 10.0 |      |      |
| 8H   | 8.7 | 9.1                  | 9.2  | 9.5  | 9.9               | 8.8  | 9.1                | 9.2             | 9.5  | 10.0 |      |      |
| 12H  | 8.7 | 9.0                  | 9.2  | 9.4  | 9.9               | 8.7  | 9.0                | 9.2             | 9.4  | 9.9  |      |      |
| 12H  | 4H  | 8.9                  | 9.2  | 9.3  | 9.6               | 10.0 | 8.9                | 9.3             | 9.3  | 9.7  | 10.1 |      |
| 6H   | 8.7 | 9.1                  | 9.2  | 9.5  | 9.9               | 8.8  | 9.1                | 9.2             | 9.5  | 10.0 |      |      |
| 8H   | 8.7 | 9.0                  | 9.2  | 9.4  | 9.9               | 8.7  | 9.0                | 9.2             | 9.4  | 9.9  |      |      |
| 不同间隔布灯时,观察者位置引起的UGR变化(CIE Pub.117):  |     |                      |      |      |                   |      |                    |                 |      |      |      |      |
| S = 1.0H   |     | + 3.9 / -10.6        |      |      |                   |      | + 4.1 / - 9.8      |                 |      |      |      |      |
| 1.5H   |     | + 6.1 / - 7.6        |      |      |                   |      | + 6.2 / - 7.4      |                 |      |      |      |      |
| 2.0H   |     | + 5.5 / - 6.5        |      |      |                   |      | + 5.3 / - 6.5      |                 |      |      |      |      |

依据CIE Pub.117计算, 959.2lm光源光通表格中的数据需要进行修正( $8\log(F/F_0) = -0.1$ ).  
出光口面积: 0.00180864 m<sup>2</sup>

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: 2023-12-8

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 V2.00.461  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP:CMA1306-0000-000N0U0A30G Ra:90  
LENS:PM-1084B 36R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up



## UF利用系数表

|  |                                |                  |
|--|--------------------------------|------------------|
| 实测参数: U:120.18V I:0.1024A P:12.181W PF:0.9887 Freq:59.98Hz<br>实检光通: 959.178x1 lm |                                |                  |
| 灯具名称: 2318.117-LEA-13  | 灯具类型:                          | 灯具重量:            |
| 灯具规格: 3000K  | 外型尺寸:                          | 测试编号: 2312081434 |
| 制造厂商: RISE   | 发光口面: 0.00180864m <sup>2</sup> | 遮光角:             |

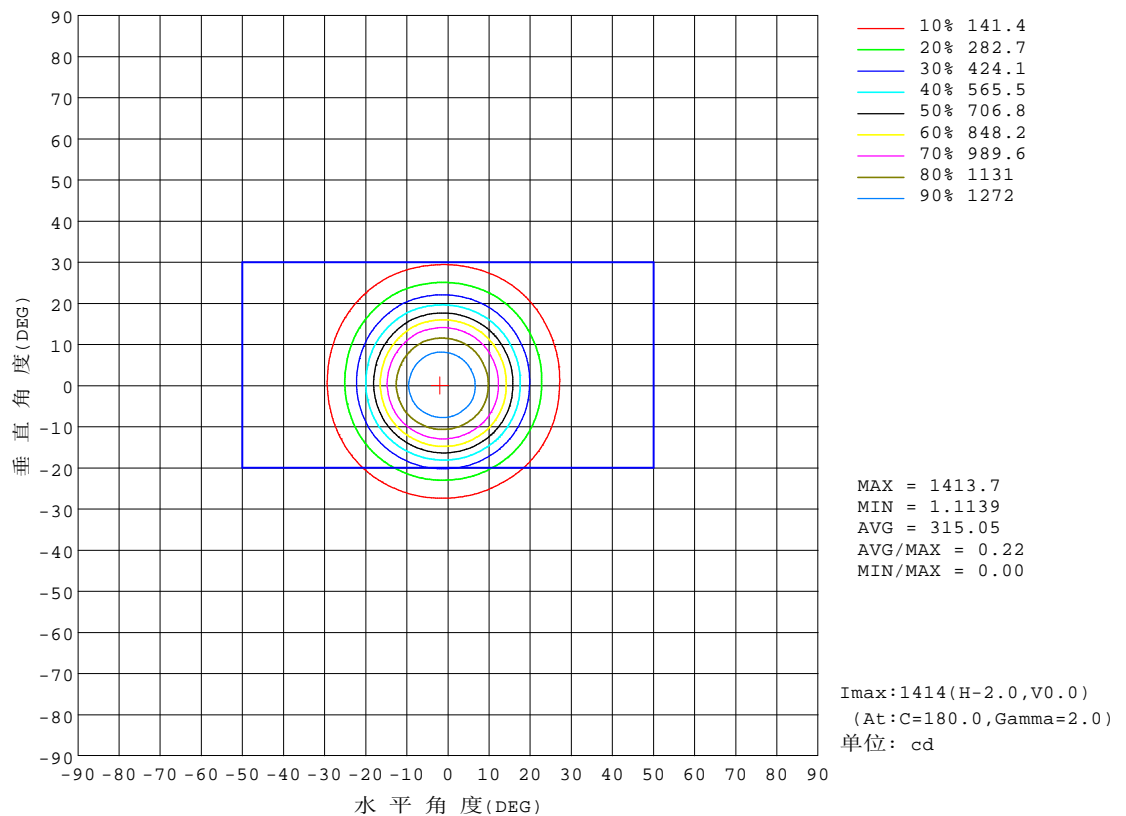
| 反 射 比 / REFLECTANCE        |  |     |     |     |     |     |                     |     |     |        |
|----------------------------|--|-----|-----|-----|-----|-----|---------------------|-----|-----|--------|
| 天花板                        | 0.8  | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5                 | 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(%) $k(RI) \times RCR = 5$ |     |     |     |     |     |                     |     |     |        |
| $k = 0.60$                 | 48   | 45  | 43  | 48  | 45  | 43  | 48                  | 45  | 43  | 42     |
| 0.80                       | 52   | 49  | 47  | 52  | 49  | 47  | 51                  | 49  | 47  | 45     |
| 1.00                       | 54   | 51  | 50  | 54  | 51  | 49  | 53                  | 51  | 49  | 47     |
| 1.25                       | 56   | 53  | 52  | 55  | 53  | 52  | 54                  | 53  | 51  | 49     |
| 1.50                       | 57   | 55  | 53  | 57  | 55  | 53  | 55                  | 54  | 53  | 50     |
| 2.00                       | 58   | 56  | 55  | 58  | 56  | 54  | 56                  | 55  | 54  | 51     |
| 2.50                       | 59   | 57  | 56  | 58  | 57  | 55  | 57                  | 55  | 54  | 51     |
| 3.00                       | 60   | 58  | 57  | 59  | 58  | 56  | 57                  | 56  | 55  | 52     |
| 4.00                       | 61   | 60  | 59  | 60  | 59  | 58  | 58                  | 57  | 56  | 53     |
| 5.00                       | 62   | 60  | 60  | 60  | 59  | 59  | 58                  | 58  | 57  | 53     |
| 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: 2023-12-8

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 V2.00.461  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP:CMA1306-0000-000N0U0A30G Ra:90  
LENS:PM-1084B 36R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up

## 灯具等光强曲线

|  |                                |                  |
|--|--------------------------------|------------------|
| 实测参数: U:120.18V I:0.1024A P:12.181W PF:0.9887 Freq:59.98Hz<br>实检光通: 959.178x1 lm |                                |                  |
| 灯具名称: 2318.117-LEA-13  | 灯具类型:                          | 灯具重量:            |
| 灯具规格: 3000K  | 外型尺寸:                          | 测试编号: 2312081434 |
| 制造厂商: RISE   | 发光口面: 0.00180864m <sup>2</sup> | 遮光角:             |

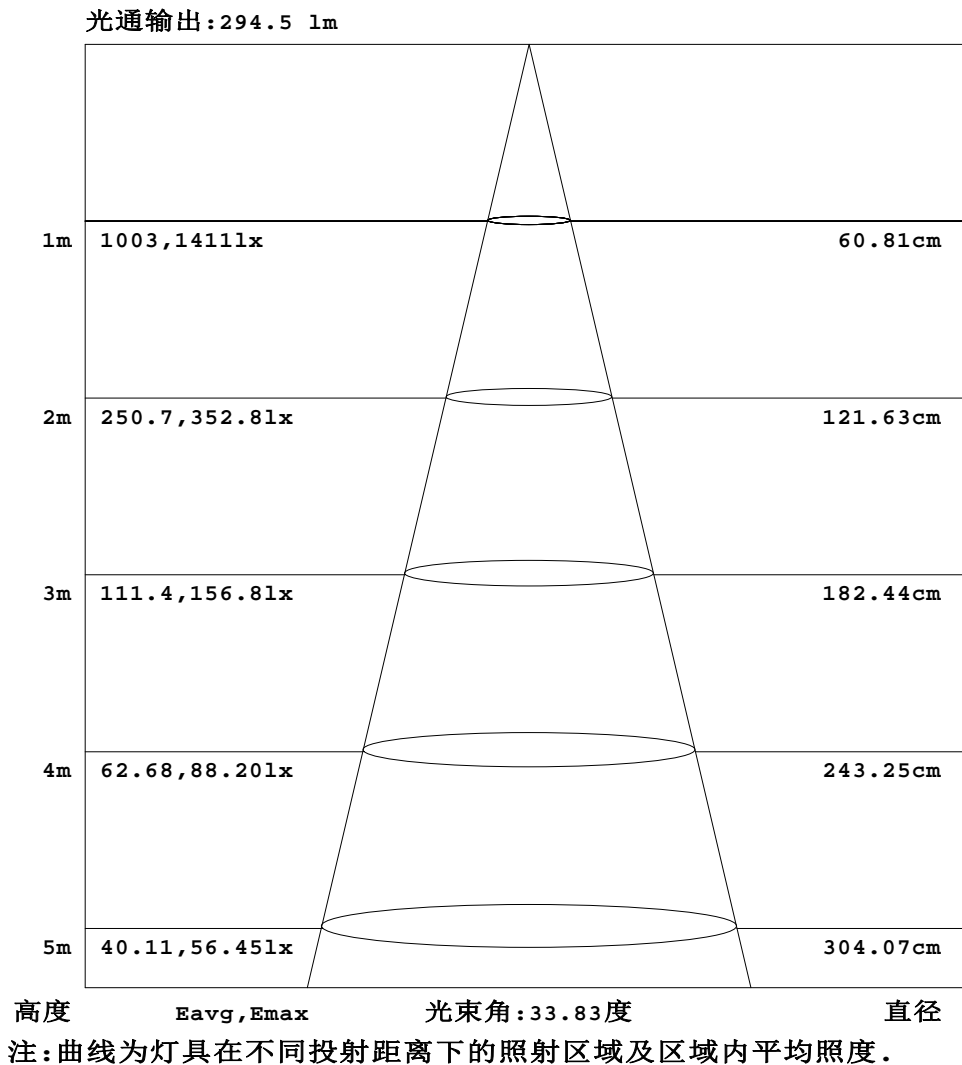


c角度范围: 0度 - 360度  
c角度间隔: 30.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: zoe  
测试日期: 2023-12-8

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 V2.00.461  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP:CMA1306-0000-000N0U0A30G Ra:90  
LENS:PM-1084B 36R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up

## 灯具有效平均照度图

|  |                                |                  |
|--|--------------------------------|------------------|
| 实测参数: U:120.18V I:0.1024A P:12.181W PF:0.9887 Freq:59.98Hz<br>实检光通: 959.178x1 lm |                                |                  |
| 灯具名称: 2318.117-LEA-13  | 灯具类型:                          | 灯具重量:            |
| 灯具规格: 3000K  | 外型尺寸:                          | 测试编号: 2312081434 |
| 制造厂商: RISE   | 发光口面: 0.00180864m <sup>2</sup> | 遮光角:             |

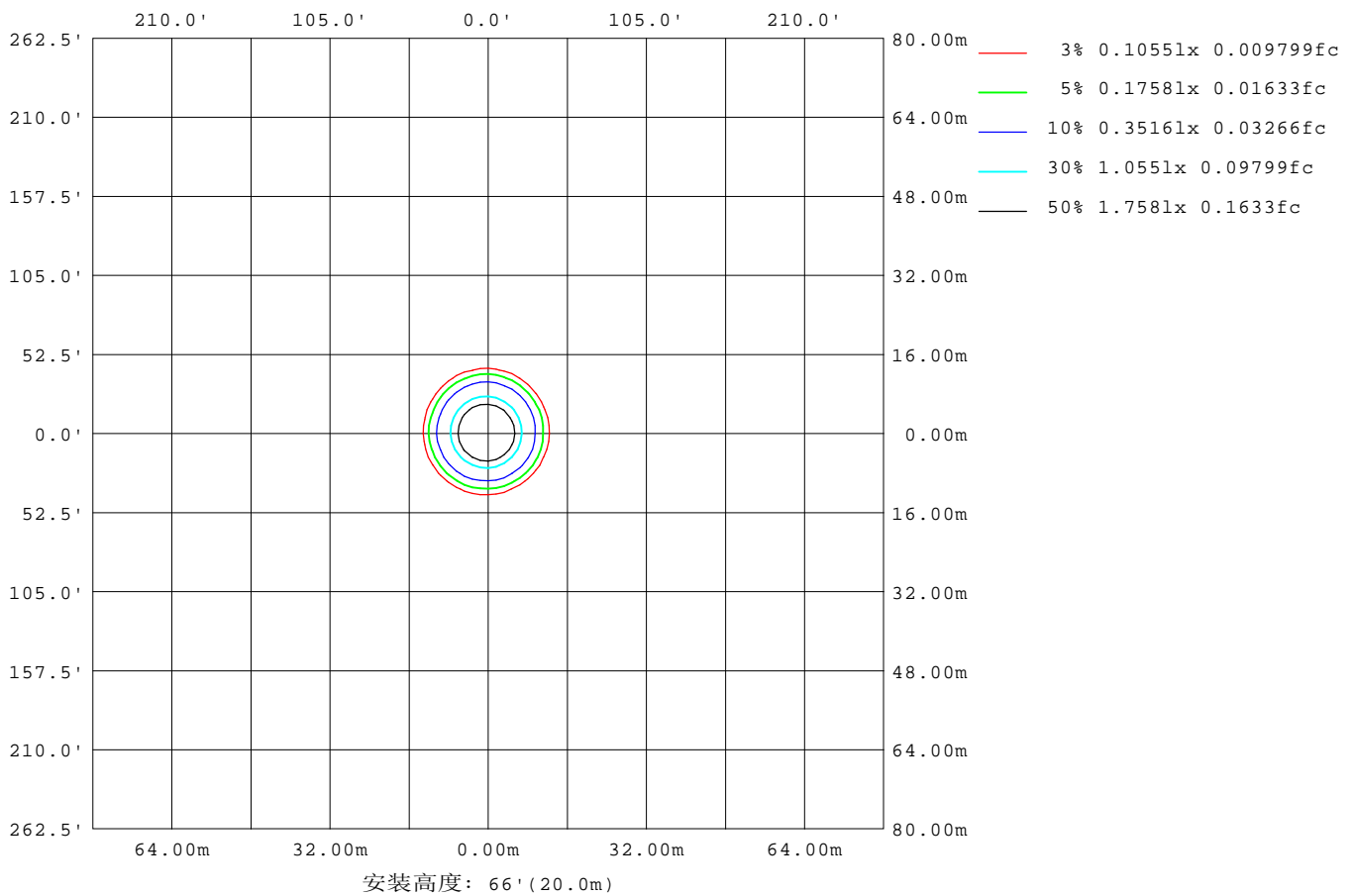


C角度范围: 0度 - 360度  
C角度间隔: 30.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: zoe  
测试日期: 2023-12-8

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 V2.00.461  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP: CMA1306-0000-000N0U0A30G Ra:90  
LENS: PM-1084B 36R  
DRIVER: PUP10A-1WMC-350 260mA  
30minutes warm-up

## 平面等照度曲线

|  |                                |                  |
|--|--------------------------------|------------------|
| 实测参数: U:120.18V I:0.1024A P:12.181W PF:0.9887 Freq:59.98Hz<br>实检光通: 959.178x1 lm |                                |                  |
| 灯具名称: 2318.117-LEA-13  | 灯具类型:                          | 灯具重量:            |
| 灯具规格: 3000K  | 外型尺寸:                          | 测试编号: 2312081434 |
| 制造厂商: RISE   | 发光口面: 0.00180864m <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: 2023-12-8

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 V2.00.461  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP: CMA1306-0000-000N0U0A30G Ra:90  
LENS: PM-1084B 36R  
DRIVER: PUP10A-1WMC-350 260mA  
30minutes warm-up

## LED筒灯平均亮度报告

|  |                                |                  |
|--|--------------------------------|------------------|
| 实测参数: U:120.18V I:0.1024A P:12.181W PF:0.9887 Freq:59.98Hz<br>实检光通: 959.178x1 lm |                                |                  |
| 灯具名称: 2318.117-LEA-13  | 灯具类型:                          | 灯具重量:            |
| 灯具规格: 3000K  | 外型尺寸:                          | 测试编号: 2312081434 |
| 制造厂商: RISE   | 发光口面: 0.00180864m <sup>2</sup> | 遮光角:             |

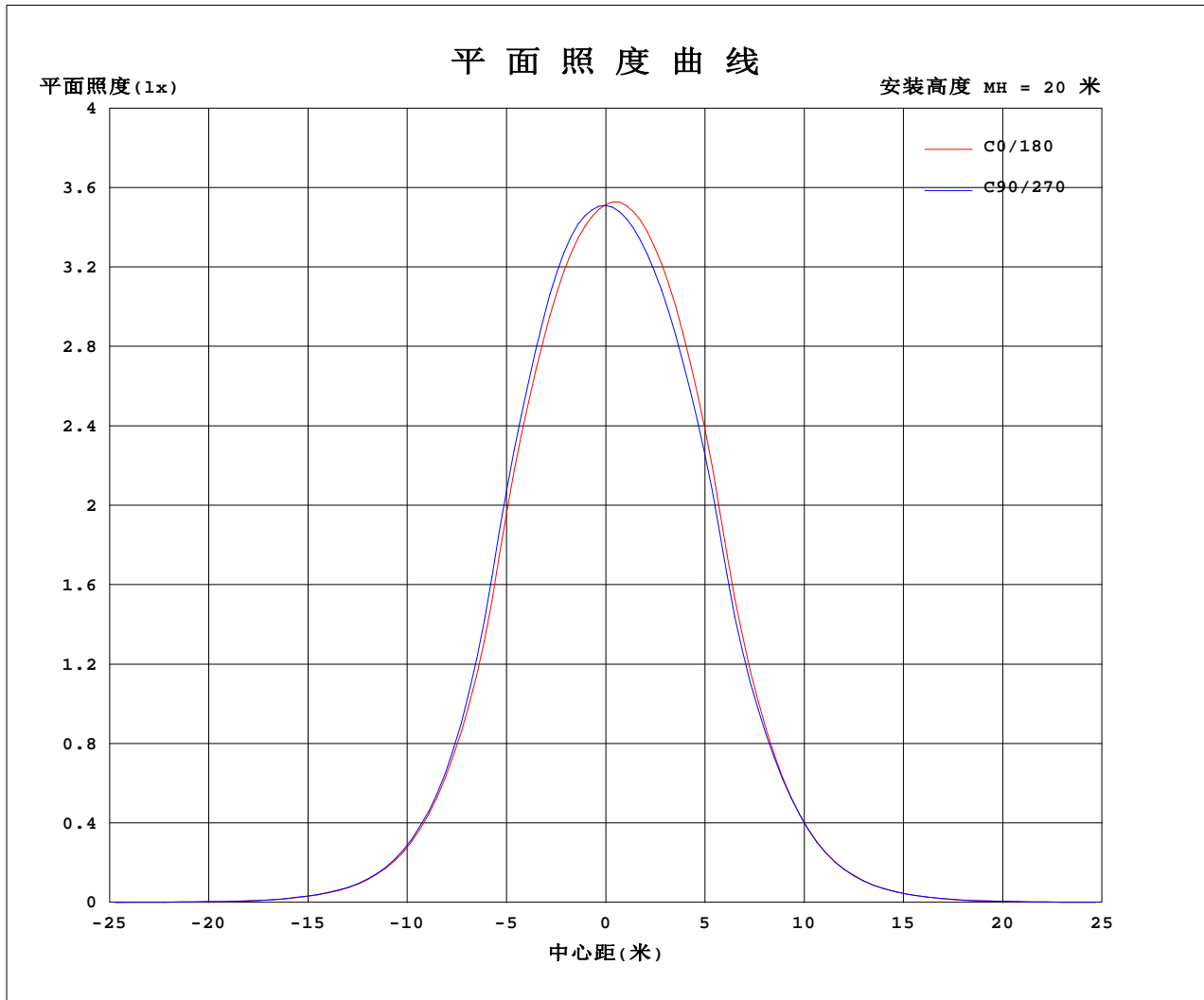
| 平均亮度      | 数值(cd/m <sup>2</sup> ) |
|-----------|------------------------|
| L横(65)av  | 524                    |
| L横(75)av  | 126                    |
| L横(85)av  | 100                    |
| L纵(65)av  | 398                    |
| L纵(75)av  | 135                    |
| L纵(85)av  | 129                    |
| L45(65)av | 441                    |
| L45(75)av | 131                    |
| L45(85)av | 107                    |

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: 2023-12-8

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 V2.00.461  
 环境湿度: 65.0%  
 测试距离: 3.160米 [K=1.0000]  
 备注: LAMP:CMA1306-0000-000N0U0A30G Ra:90  
 LENS:PM-1084B 36R  
 DRIVER:PUP10A-1WMC-350 260mA  
 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: 2023-12-8

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 V2.00.461  
环境湿度: 65.0%  
测试距离: 3.160米 [K=1.0000]  
备注: LAMP: CMA1306-0000-000N0U0A30G Ra:90  
LENS: PM-1084B 36R  
DRIVER: PUP10A-1WMC-350 260mA  
30minutes warm-up



## 光强分布数据表格

|  |                    |                  |
|--|--------------------|------------------|
| 实测参数: U:120.18V I:0.1024A P:12.181W PF:0.9887 Freq:59.98Hz<br>实检光通: 959.178x1 lm |                    |                  |
| 灯具名称: 2318.117-LEA-13  | 灯具类型:              | 灯具重量:            |
| 灯具规格: 3000K  | 外型尺寸:              | 测试编号: 2312081434 |
| 制造厂商: RISE   | 发光口面: 0.00180864m2 | 遮光角:             |

表--1

单位: cd

| C(DEG)<br>(DEG) | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |  |  |  |  |  |  |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0               | 1405 | 1405 | 1405 | 1405 | 1405 | 1405 | 1405 | 1405 | 1405 | 1405 | 1405 | 1405 |  |  |  |  |  |  |
| 5               | 1322 | 1329 | 1339 | 1358 | 1373 | 1387 | 1389 | 1379 | 1369 | 1351 | 1336 | 1324 |  |  |  |  |  |  |
| 10              | 1120 | 1127 | 1137 | 1165 | 1202 | 1241 | 1255 | 1245 | 1230 | 1196 | 1167 | 1133 |  |  |  |  |  |  |
| 15              | 775  | 780  | 793  | 830  | 880  | 940  | 974  | 979  | 968  | 922  | 871  | 809  |  |  |  |  |  |  |
| 20              | 414  | 408  | 414  | 437  | 477  | 526  | 564  | 581  | 579  | 536  | 495  | 447  |  |  |  |  |  |  |
| 25              | 201  | 197  | 193  | 209  | 230  | 260  | 286  | 303  | 307  | 284  | 259  | 223  |  |  |  |  |  |  |
| 30              | 88.1 | 84.0 | 83.7 | 89.5 | 101  | 114  | 126  | 132  | 136  | 127  | 114  | 95.6 |  |  |  |  |  |  |
| 35              | 35.6 | 34.3 | 33.9 | 36.8 | 41.5 | 47.3 | 51.2 | 53.3 | 55.8 | 51.5 | 45.5 | 38.9 |  |  |  |  |  |  |
| 40              | 13.1 | 12.5 | 12.2 | 13.1 | 14.9 | 17.9 | 19.6 | 20.0 | 21.4 | 19.7 | 17.5 | 14.6 |  |  |  |  |  |  |
| 45              | 5.53 | 5.47 | 5.34 | 5.54 | 5.94 | 6.57 | 7.16 | 7.33 | 7.42 | 7.28 | 6.59 | 5.83 |  |  |  |  |  |  |
| 50              | 2.66 | 2.73 | 2.77 | 2.89 | 3.04 | 3.23 | 3.41 | 3.28 | 3.22 | 3.07 | 2.78 | 2.57 |  |  |  |  |  |  |
| 55              | 1.38 | 1.40 | 1.48 | 1.62 | 1.71 | 1.82 | 1.84 | 1.65 | 1.51 | 1.39 | 1.29 | 1.32 |  |  |  |  |  |  |
| 60              | 0.55 | 0.57 | 0.58 | 0.62 | 0.72 | 0.83 | 0.93 | 0.74 | 0.59 | 0.48 | 0.43 | 0.48 |  |  |  |  |  |  |
| 65              | 0.35 | 0.36 | 0.35 | 0.36 | 0.39 | 0.43 | 0.45 | 0.34 | 0.26 | 0.24 | 0.26 | 0.33 |  |  |  |  |  |  |
| 70              | 0.16 | 0.16 | 0.15 | 0.16 | 0.17 | 0.19 | 0.20 | 0.22 | 0.22 | 0.22 | 0.19 | 0.16 |  |  |  |  |  |  |
| 75              | 0.05 | 0.05 | 0.05 | 0.05 | 0.06 | 0.07 | 0.07 | 0.07 | 0.08 | 0.07 | 0.06 | 0.05 |  |  |  |  |  |  |
| 80              | 0.02 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |  |  |  |  |  |  |
| 85              | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.01 |  |  |  |  |  |  |
| 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: 2023-12-8

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 V2.00.461

环境湿度: 65.0%

测试距离: 3.160米 [K=1.0000]

备注: LAMP:CMA1306-0000-000N0U0A30G Ra:90

LENS:PM-1084B 36R

DRIVER:PUP10A-1WMC-350 260mA

30minutes warm-up