

燈 具 實 物 照 片



| | | |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 83.9% | |
| Luminaire Power: | 2.671 W | |
| SHR Nominal: | 0.00 | Calculated using the TM5 |
| SHR Maximum: | 0.25 | 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: 2026-3-17

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:GW CSSRMU.CM-M6MF-XX37-1 Ra:90
 LENS:CA18103-TINA-Y-RS 18R
 NOT DRIVER:DC 24V
 30minutes warm-up

灯具配光曲线及特征面照片

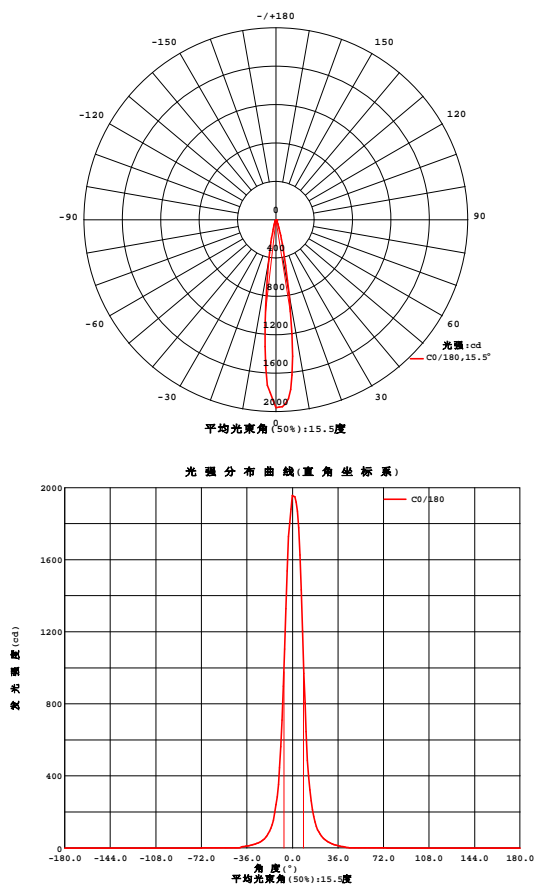


Fig. C0/C180

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: 2026-3-17

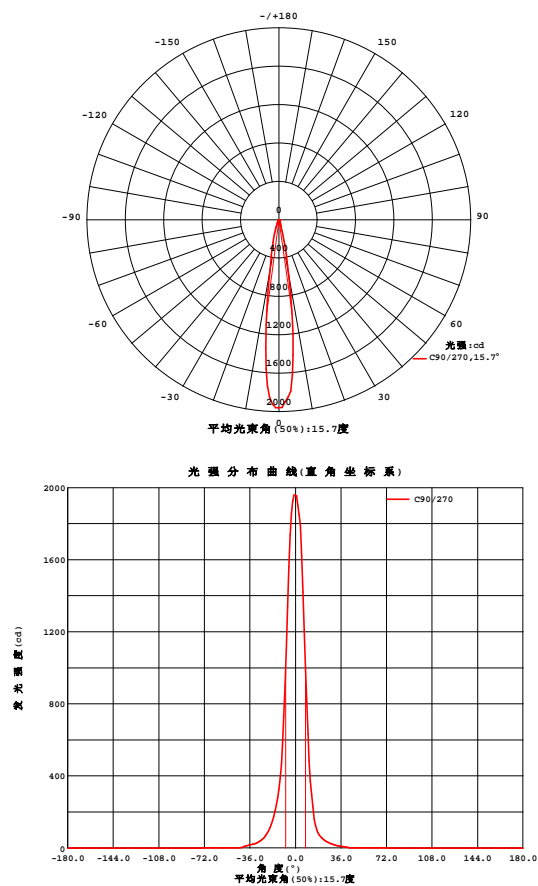


Fig. C90/C270

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:GW CSSRMU.CM-M6MF-XX37-1 Ra:90
LENS:CA18103-TINA-Y-RS 18R
NOT DRIVER:DC 24V

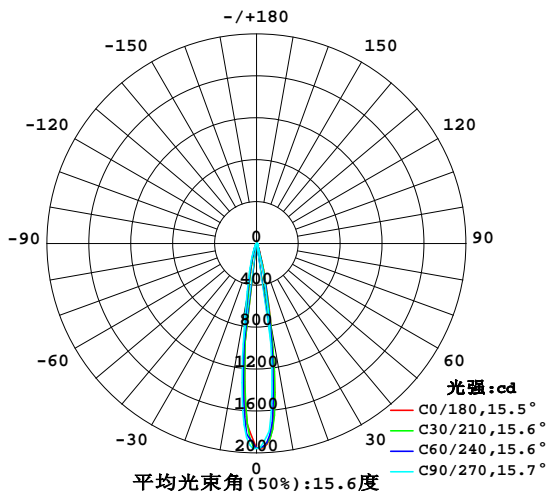
30minutes warm-up

室内灯具光度数据

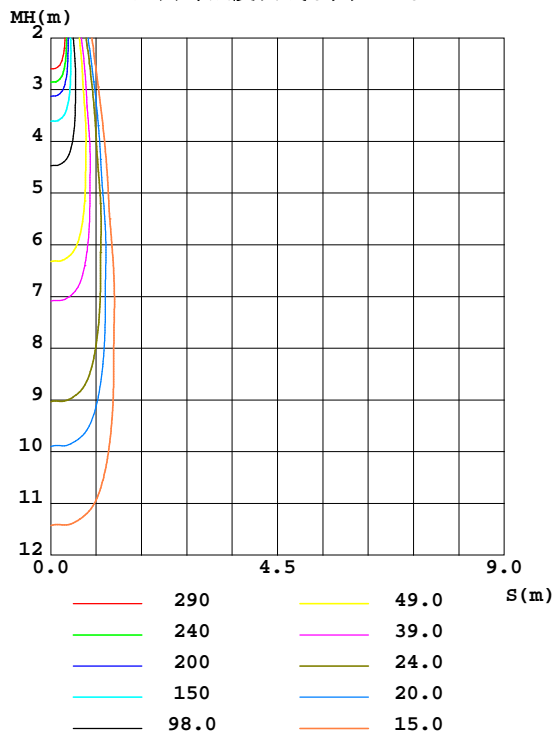
| | | |
|---|---------------------------------|------------------|
| 实测参数: U:23.997V I:0.1113A P:2.6709W PF:1.0000 Freq:49.99Hz 实检光通: 251.47x1 lm | | |
| 灯具名称: 2417.239 | 灯具类型: | 灯具重量: |
| 灯具规格: 3000K | 外型尺寸: | 测试编号: 2603170034 |
| 制造厂商: RISE | 发光口面: 0.000283385m ² | 遮光角: |

| 光源数据 | | 光度数据 | | | | 光效: 78.99 lm/W |
|-----------|--------|----------|--------|-------------------|----------|----------------|
| 型号 | OSRAM | 峰值光强(cd) | 1959 | S/MH(C0/180) | 0.23 | |
| 标称功率(W) | 3 | 灯具效率(%) | 83.9 | S/MH(C90/270) | 0.26 | |
| 额定电源电压(V) | 24 | 总光通量(lm) | 210.97 | η UP,DN(C0-180) | 0.0,41.9 | |
| 额定光通量(lm) | 251.47 | CIE分类 | 直接 | η UP,DN(C180-360) | 0.0,42.0 | |
| 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) | 24 | 下射光通比(%) | 83.9 | CIBSE SHR MAX | 0.25 | |

室内灯具配光曲线



空间等照度曲线(单位:lx)



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: 2026-3-17

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:GW CSSRMU.CM-M6MF-XX37-1 Ra:90
LENS:CA18103-TINA-Y-RS 18R
NOT DRIVER:DC 24V

30minutes warm-up

灯具环带光通量

环带光通量:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | $\gamma(^{\circ})$ | 环 | 总 | %lum, lamp |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------------------|--------|-------|------------|
| 10 | 807.0 | 764.1 | 633.1 | 495.1 | 444.6 | 481.5 | 570.7 | 707.4 | 0- 10 | 115.5 | 115.5 | 54.8, 45.9 |
| 20 | 101.2 | 79.78 | 63.27 | 57.75 | 68.57 | 84.62 | 112.6 | 116.6 | 10- 20 | 63.40 | 178.9 | 84.8, 71.2 |
| 30 | 27.83 | 22.66 | 19.29 | 20.34 | 20.64 | 24.50 | 29.64 | 32.12 | 20- 30 | 21.09 | 200.0 | 94.8, 79.5 |
| 40 | 7.175 | 5.427 | 5.062 | 4.610 | 5.401 | 7.276 | 10.04 | 9.804 | 30- 40 | 8.947 | 209.0 | 99, 83.1 |
| 50 | 0.6169 | 0.6091 | 0.6600 | 0.5852 | 0.5189 | 0.5450 | 0.6676 | 0.7002 | 40- 50 | 1.513 | 210.5 | 99.8, 83.7 |
| 60 | 0.2079 | 0.2010 | 0.2572 | 0.2444 | 0.2356 | 0.2197 | 0.2475 | 0.2713 | 50- 60 | 0.3310 | 210.8 | 99.9, 83.8 |
| 70 | 0.0290 | 0.0296 | 0.0766 | 0.0651 | 0.0610 | 0.1061 | 0.0720 | 0.0794 | 60- 70 | 0.1505 | 211.0 | 100, 83.9 |
| 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70- 80 | 0.0100 | 211.0 | 100, 83.9 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80- 90 | 0 | 211.0 | 100, 83.9 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0 | 211.0 | 100, 83.9 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0 | 211.0 | 100, 83.9 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0 | 211.0 | 100, 83.9 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0 | 211.0 | 100, 83.9 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 211.0 | 100, 83.9 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0 | 211.0 | 100, 83.9 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0 | 211.0 | 100, 83.9 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0 | 211.0 | 100, 83.9 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0 | 211.0 | 100, 83.9 |
| 单位: ° | 光强: cd | | | | | | | | | 单位: lm | | |

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 C角度间隔: 30.0度
 测试速度: 快速
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 测试人员: zoe
 测试日期: 2026-3-17

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: GW CSSRMU.CM-M6MF-XX37-1 Ra:90
 LENS: CA18103-TINA-Y-RS 18R
 NOT DRIVER: DC 24V

30minutes warm-up

灯具亮度限制曲线

实测参数: U:23.997V I:0.1113A P:2.6709W PF:1.0000 Freq:49.99Hz
实检光通: 251.47x1 lm

灯具名称: 2417.239

灯具类型:

灯具重量:

灯具规格: 3000K

外型尺寸:

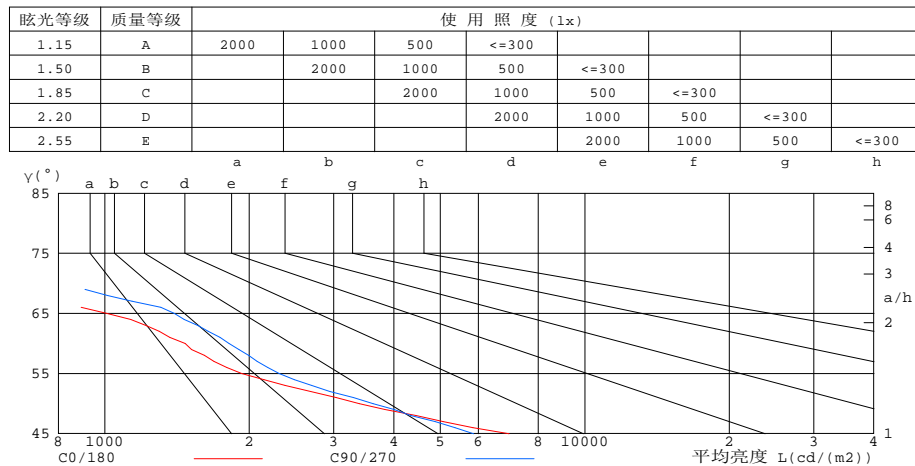
测试编号: 2603170034

制造厂商: RISE

发光口面: 0.000283385m²

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 | 0 | 0 |
| 80 | 0 | 0 |
| 75 | 0 | 0 |
| 70 | 300 | 790 |
| 65 | 1010 | 1395 |
| 60 | 1469 | 1814 |
| 55 | 1929 | 2309 |
| 50 | 3391 | 3621 |
| 45 | 6955 | 5860 |

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: 2026-3-17

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:GW CSSRMU.CM-M6MF-XX37-1 Ra:90
LENS:CA18103-TINA-Y-RS 18R
NOT DRIVER:DC 24V

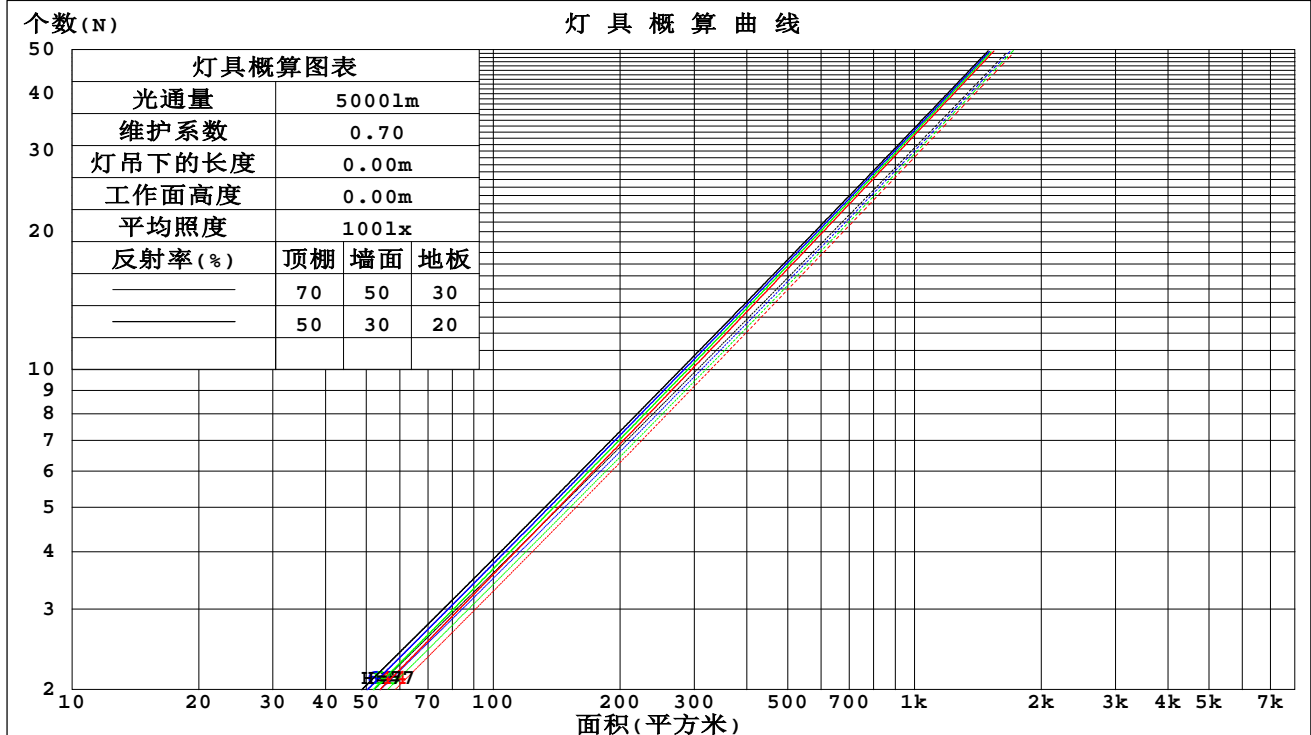
30minutes warm-up

工作面利用系数和灯具概算曲线

实测参数: U:23.997V I:0.1113A P:2.6709W PF:1.0000 Freq:49.99Hz
实检光通: 251.47x1 lm

| | | |
|----------------|---------------------------------|------------------|
| 灯具名称: 2417.239 | 灯具类型: | 灯具重量: |
| 灯具规格: 3000K | 外型尺寸: | 测试编号: 2603170034 |
| 制造厂商: RISE | 发光口面: 0.000283385m ² | 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 | .00 | .00 | .00 | .98 | .98 | .98 | .93 | .93 | .93 | .89 | .89 | .89 | .86 | .86 | .86 | .84 |
| 1.0 | .95 | .94 | .93 | .94 | .92 | .91 | .90 | .89 | .88 | .87 | .86 | .86 | .84 | .84 | .83 | .82 |
| 2.0 | .91 | .89 | .87 | .90 | .88 | .86 | .87 | .86 | .84 | .85 | .84 | .83 | .83 | .82 | .81 | .80 |
| 3.0 | .88 | .85 | .83 | .87 | .85 | .83 | .85 | .83 | .81 | .83 | .82 | .80 | .81 | .80 | .79 | .78 |
| 4.0 | .85 | .82 | .80 | .84 | .82 | .80 | .83 | .81 | .79 | .81 | .79 | .78 | .80 | .78 | .77 | .76 |
| 5.0 | .83 | .80 | .78 | .82 | .79 | .77 | .81 | .78 | .77 | .80 | .78 | .76 | .79 | .77 | .75 | .75 |
| 6.0 | .81 | .78 | .75 | .80 | .77 | .75 | .79 | .77 | .75 | .78 | .76 | .74 | .77 | .75 | .74 | .73 |
| 7.0 | .79 | .76 | .74 | .78 | .75 | .73 | .77 | .75 | .73 | .77 | .74 | .73 | .76 | .74 | .72 | .72 |
| 8.0 | .77 | .74 | .72 | .76 | .74 | .72 | .76 | .73 | .71 | .75 | .73 | .71 | .74 | .72 | .71 | .70 |
| 9.0 | .75 | .72 | .70 | .75 | .72 | .70 | .74 | .72 | .70 | .74 | .71 | .70 | .73 | .71 | .70 | .69 |
| 10.0 | .74 | .71 | .69 | .73 | .71 | .69 | .73 | .70 | .69 | .72 | .70 | .69 | .72 | .70 | .68 | .68 |



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: 2026-3-17

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:GW CSSRMU.CM-M6MF-XX37-1 Ra:90
LENS:CA18103-TINA-Y-RS 18R
NOT DRIVER:DC 24V

30minutes warm-up

墙面和天花板利用系数

| | | |
|---|---------------------|------------------|
| 实测参数: U:23.997V I:0.1113A P:2.6709W PF:1.0000 Freq:49.99Hz 实检光通: 251.47x1 lm | | |
| 灯具名称: 2417.239 | 灯具类型: | 灯具重量: |
| 灯具规格: 3000K | 外型尺寸: | 测试编号: 2603170034 |
| 制造厂商: RISE | 发光口面: 0.000283385m2 | 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 | .104 | .059 | .019 | .098 | .056 | .018 | .088 | .051 | .016 | .079 | .045 | .015 | .070 | .041 | .013 | |
| 2.0 | .095 | .052 | .016 | .091 | .050 | .015 | .083 | .046 | .014 | .075 | .042 | .013 | .068 | .038 | .012 | |
| 3.0 | .088 | .047 | .014 | .085 | .045 | .014 | .078 | .042 | .013 | .071 | .039 | .012 | .065 | .036 | .011 | |
| 4.0 | .082 | .043 | .013 | .079 | .041 | .012 | .073 | .039 | .012 | .068 | .036 | .011 | .063 | .034 | .010 | |
| 5.0 | .077 | .039 | .011 | .074 | .038 | .011 | .069 | .036 | .011 | .065 | .034 | .010 | .060 | .032 | .010 | |
| 6.0 | .072 | .036 | .010 | .070 | .035 | .010 | .066 | .034 | .010 | .062 | .032 | .009 | .058 | .031 | .009 | |
| 7.0 | .068 | .034 | .010 | .066 | .033 | .009 | .062 | .032 | .009 | .059 | .030 | .009 | .056 | .029 | .009 | |
| 8.0 | .064 | .032 | .009 | .063 | .031 | .009 | .060 | .030 | .009 | .057 | .029 | .008 | .054 | .028 | .008 | |
| 9.0 | .061 | .030 | .008 | .060 | .029 | .008 | .057 | .028 | .008 | .054 | .027 | .008 | .052 | .026 | .008 | |
| 10.0 | .058 | .028 | .008 | .057 | .028 | .008 | .055 | .027 | .008 | .052 | .026 | .007 | .050 | .025 | .007 | |

| | | | | | | | | | | | | | | | | |
|------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| 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 | .160 | .160 | .160 | .137 | .137 | .137 | .093 | .093 | .093 | .054 | .054 | .054 | .017 | .017 | .017 | |
| 1.0 | .140 | .132 | .125 | .120 | .114 | .108 | .082 | .078 | .074 | .047 | .045 | .043 | .015 | .015 | .014 | |
| 2.0 | .125 | .111 | .100 | .107 | .096 | .087 | .073 | .066 | .060 | .042 | .039 | .035 | .014 | .012 | .012 | |
| 3.0 | .111 | .095 | .082 | .095 | .082 | .071 | .066 | .057 | .050 | .038 | .033 | .029 | .012 | .011 | .010 | |
| 4.0 | .100 | .082 | .068 | .086 | .071 | .059 | .059 | .049 | .042 | .034 | .029 | .025 | .011 | .009 | .008 | |
| 5.0 | .091 | .071 | .057 | .078 | .062 | .050 | .054 | .043 | .035 | .031 | .025 | .021 | .010 | .008 | .007 | |
| 6.0 | .083 | .063 | .048 | .071 | .054 | .042 | .049 | .038 | .030 | .029 | .022 | .018 | .009 | .007 | .006 | |
| 7.0 | .076 | .056 | .041 | .066 | .048 | .036 | .045 | .034 | .026 | .026 | .020 | .015 | .009 | .007 | .005 | |
| 8.0 | .071 | .050 | .036 | .061 | .043 | .031 | .042 | .030 | .022 | .024 | .018 | .013 | .008 | .006 | .004 | |
| 9.0 | .066 | .045 | .031 | .056 | .039 | .027 | .039 | .027 | .019 | .023 | .016 | .012 | .007 | .005 | .004 | |
| 10.0 | .061 | .041 | .027 | .053 | .035 | .024 | .037 | .025 | .017 | .021 | .015 | .010 | .007 | .005 | .003 | |

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备注: LAMP:GW CSSRMU.CM-M6MF-XX37-1 Ra:90
LENS:CA18103-TINA-Y-RS 18R
NOT DRIVER:DC 24V

30minutes warm-up

UGR(Unified Glare Rating)数据表

| | | | | | | | | | | | | |
|---|-----|----------------------|------|------|---------------------|------|--------------------|------------------|------|------|------|------|
| 实测参数: U:23.997V I:0.1113A P:2.6709W PF:1.0000 Freq:49.99Hz 实检光通: 251.47x1 lm | | | | | | | | | | | | |
| 灯具名称: 2417.239 | | | | | 灯具类型: | | | 灯具重量: | | | | |
| 灯具规格: 3000K | | | | | 外型尺寸: | | | 测试编号: 2603170034 | | | | |
| 制造厂商: RISE | | | | | 发光口面: 0.000283385m2 | | | 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 | 16.8 | 17.4 | 17.0 | 17.5 | 17.7 | 15.2 | 15.7 | 15.4 | 15.9 | 16.0 | |
| | 3H | 16.7 | 17.2 | 16.9 | 17.4 | 17.6 | 15.1 | 15.6 | 15.3 | 15.8 | 15.9 | |
| | 4H | 16.6 | 17.1 | 16.9 | 17.3 | 17.5 | 15.0 | 15.5 | 15.2 | 15.7 | 15.9 | |
| | 6H | 16.5 | 17.0 | 16.8 | 17.2 | 17.5 | 14.9 | 15.4 | 15.2 | 15.6 | 15.8 | |
| | 8H | 16.5 | 17.0 | 16.8 | 17.2 | 17.5 | 14.9 | 15.3 | 15.1 | 15.6 | 15.8 | |
| | 12H | 16.5 | 16.9 | 16.8 | 17.2 | 17.4 | 14.8 | 15.3 | 15.1 | 15.5 | 15.8 | |
| | 4H | 2H | 16.6 | 17.1 | 16.9 | 17.3 | 17.5 | 15.0 | 15.5 | 15.2 | 15.7 | 15.9 |
| | | 3H | 16.5 | 16.9 | 16.8 | 17.2 | 17.4 | 14.8 | 15.3 | 15.1 | 15.5 | 15.8 |
| | | 4H | 16.4 | 16.8 | 16.7 | 17.1 | 17.4 | 14.7 | 15.1 | 15.1 | 15.4 | 15.7 |
| | | 6H | 16.3 | 16.6 | 16.6 | 17.0 | 17.3 | 14.6 | 15.0 | 15.0 | 15.3 | 15.7 |
| | | 8H | 16.2 | 16.6 | 16.6 | 16.9 | 17.3 | 14.6 | 14.9 | 14.9 | 15.3 | 15.6 |
| | | 12H | 16.2 | 16.5 | 16.6 | 16.8 | 17.2 | 14.5 | 14.8 | 14.9 | 15.2 | 15.6 |
| 8H | 4H | 16.2 | 16.6 | 16.6 | 16.9 | 17.3 | 14.6 | 14.9 | 14.9 | 15.3 | 15.6 | |
| | 6H | 16.1 | 16.4 | 16.5 | 16.8 | 17.2 | 14.4 | 14.7 | 14.9 | 15.1 | 15.5 | |
| | 8H | 16.0 | 16.3 | 16.5 | 16.7 | 17.1 | 14.4 | 14.6 | 14.8 | 15.1 | 15.5 | |
| | 12H | 16.0 | 16.2 | 16.4 | 16.6 | 17.1 | 14.3 | 14.5 | 14.8 | 15.0 | 15.4 | |
| 12H | 4H | 16.2 | 16.5 | 16.6 | 16.8 | 17.2 | 14.5 | 14.8 | 14.9 | 15.2 | 15.6 | |
| | 6H | 16.0 | 16.3 | 16.5 | 16.7 | 17.1 | 14.4 | 14.6 | 14.8 | 15.1 | 15.5 | |
| | 8H | 16.0 | 16.2 | 16.4 | 16.6 | 17.1 | 14.3 | 14.5 | 14.8 | 15.0 | 15.4 | |
| 不同间隔布灯时,观察者位置引起的UGR变化(CIE Pub.117): | | | | | | | | | | | | |
| S = 1.0H | | + 4.2 / -13.8 | | | | | + 3.7 / -11.1 | | | | | |
| 1.5H | | + 6.8 / -11.8 | | | | | + 6.3 / -10.1 | | | | | |
| 2.0H | | + 5.8 / - 5.0 | | | | | + 4.5 / - 3.4 | | | | | |

依据CIE Pub.117计算, 251.5lm光源光通表格中的数据需要进行修正($8\log(F/F_0) = -4.8$).
出光口面积: 0.000283385 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: 2026-3-17

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:GW CSSRMU.CM-M6MF-XX37-1 Ra:90
LENS:CA18103-TINA-Y-RS 18R
NOT DRIVER:DC 24V

30minutes warm-up

UF利用系数表

| | | |
|---|---------------------------------|------------------|
| 实测参数: U:23.997V I:0.1113A P:2.6709W PF:1.0000 Freq:49.99Hz 实检光通: 251.47x1 lm | | |
| 灯具名称: 2417.239 | 灯具类型: | 灯具重量: |
| 灯具规格: 3000K | 外型尺寸: | 测试编号: 2603170034 |
| 制造厂商: RISE | 发光口面: 0.000283385m ² | 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(%) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 76 | 72 | 69 | 76 | 71 | 69 | 75 | 71 | 69 | 66 |
| 0.80 | 82 | 78 | 75 | 82 | 78 | 75 | 81 | 77 | 75 | 72 |
| 1.00 | 85 | 81 | 78 | 85 | 81 | 78 | 83 | 80 | 78 | 75 |
| 1.25 | 88 | 84 | 82 | 87 | 84 | 81 | 86 | 83 | 81 | 78 |
| 1.50 | 90 | 87 | 84 | 89 | 86 | 84 | 88 | 85 | 83 | 79 |
| 2.00 | 92 | 89 | 87 | 91 | 88 | 86 | 89 | 86 | 85 | 81 |
| 2.50 | 93 | 91 | 88 | 92 | 89 | 87 | 90 | 88 | 86 | 81 |
| 3.00 | 95 | 92 | 90 | 93 | 91 | 89 | 90 | 89 | 87 | 82 |
| 4.00 | 96 | 94 | 92 | 94 | 93 | 91 | 91 | 90 | 89 | 83 |
| 5.00 | 97 | 95 | 94 | 95 | 94 | 93 | 92 | 91 | 90 | 84 |
| 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 | | | |

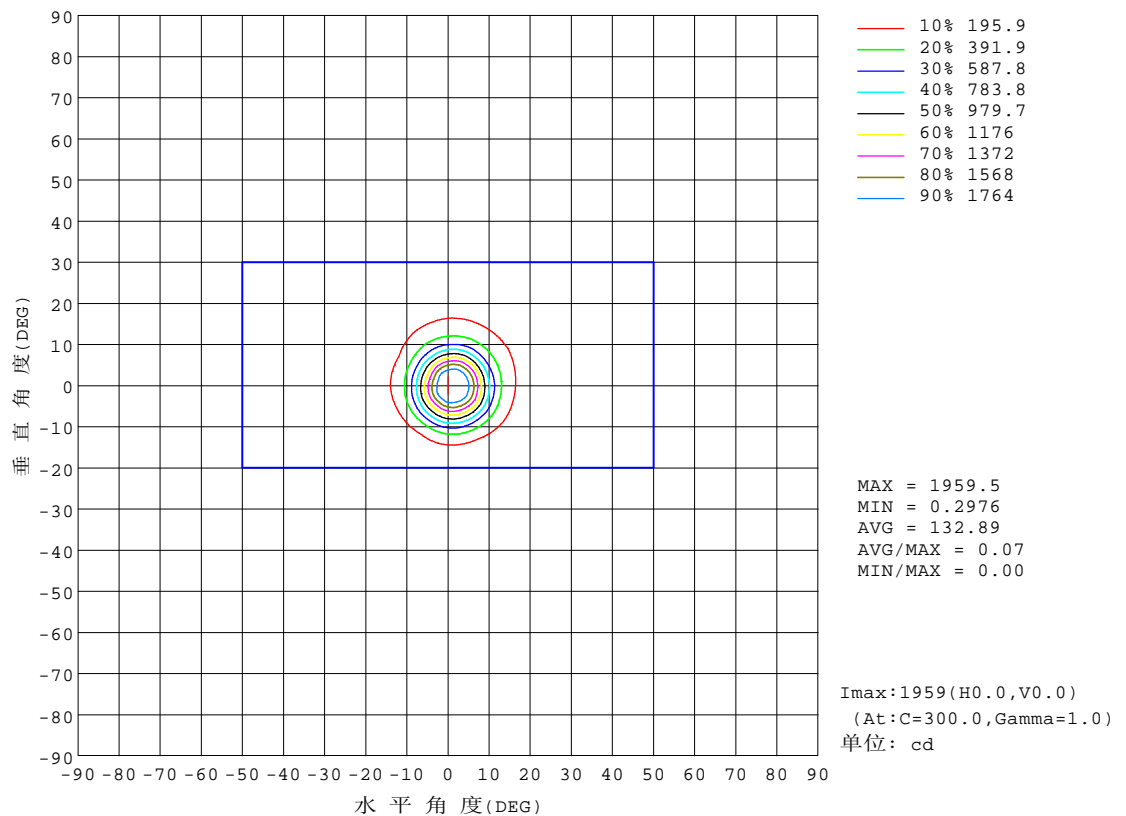
C角度范围: 0度 - 360度
 C角度间隔: 30.0度
 测试速度: 快速
 环境温度: 25.3℃
 测试人员: zoe
 测试日期: 2026-3-17

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:GW CSSRMU.CM-M6MF-XX37-1 Ra:90
 LENS:CA18103-TINA-Y-RS 18R
 NOT DRIVER:DC 24V

30minutes warm-up

灯具等光强曲线

| | | |
|---|---------------------------------|------------------|
| 实测参数: U:23.997V I:0.1113A P:2.6709W PF:1.0000 Freq:49.99Hz 实检光通: 251.47x1 lm | | |
| 灯具名称: 2417.239 | 灯具类型: | 灯具重量: |
| 灯具规格: 3000K | 外型尺寸: | 测试编号: 2603170034 |
| 制造厂商: RISE | 发光口面: 0.000283385m ² | 遮光角: |



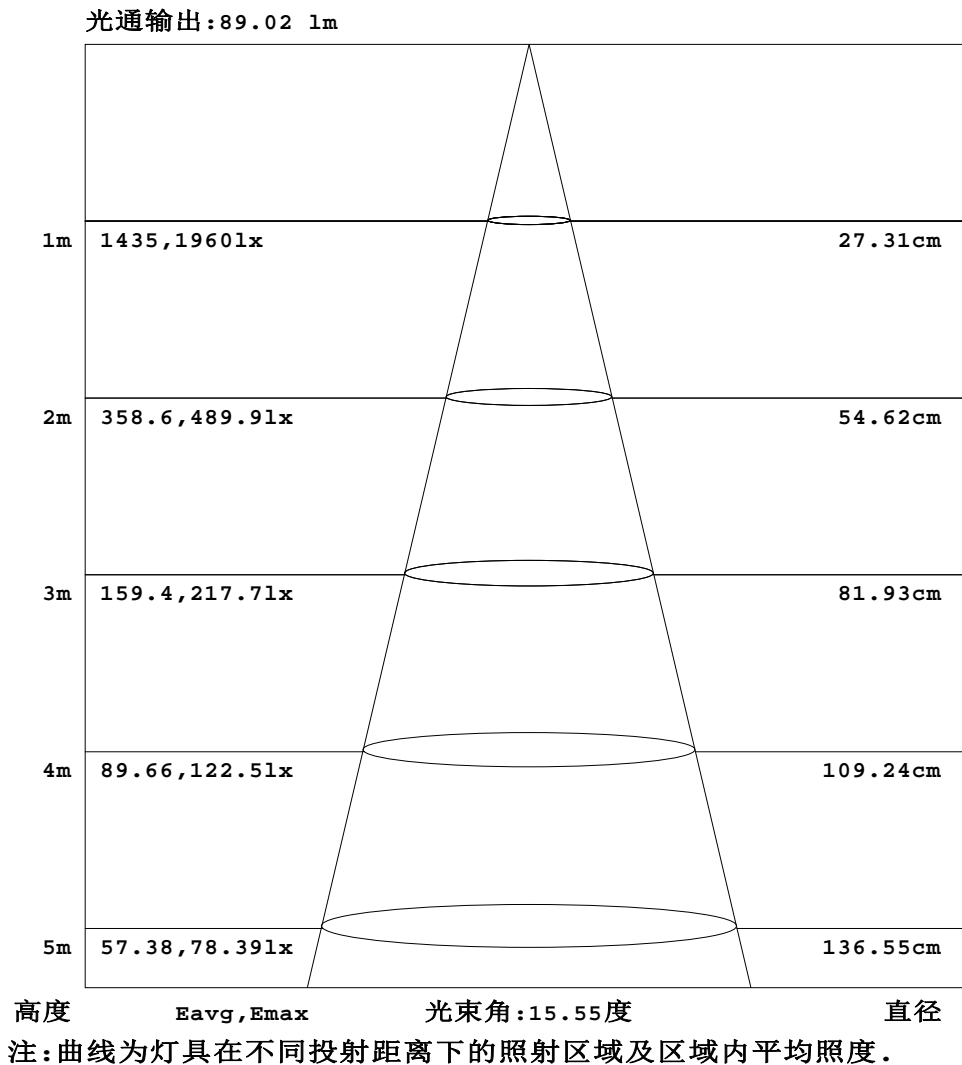
c角度范围: 0度 - 360度
c角度间隔: 30.0度
测试速度: 快速
环境温度: 25.3℃
测试人员: zoe
测试日期: 2026-3-17

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:GW CSSRMU.CM-M6MF-XX37-1 Ra:90
LENS:CA18103-TINA-Y-RS 18R
NOT DRIVER:DC 24V

30minutes warm-up

灯具有效平均照度图

| | | |
|---|---------------------------------|------------------|
| 实测参数: U:23.997V I:0.1113A P:2.6709W PF:1.0000 Freq:49.99Hz 实检光通: 251.47x1 lm | | |
| 灯具名称: 2417.239 | 灯具类型: | 灯具重量: |
| 灯具规格: 3000K | 外型尺寸: | 测试编号: 2603170034 |
| 制造厂商: RISE | 发光口面: 0.000283385m ² | 遮光角: |



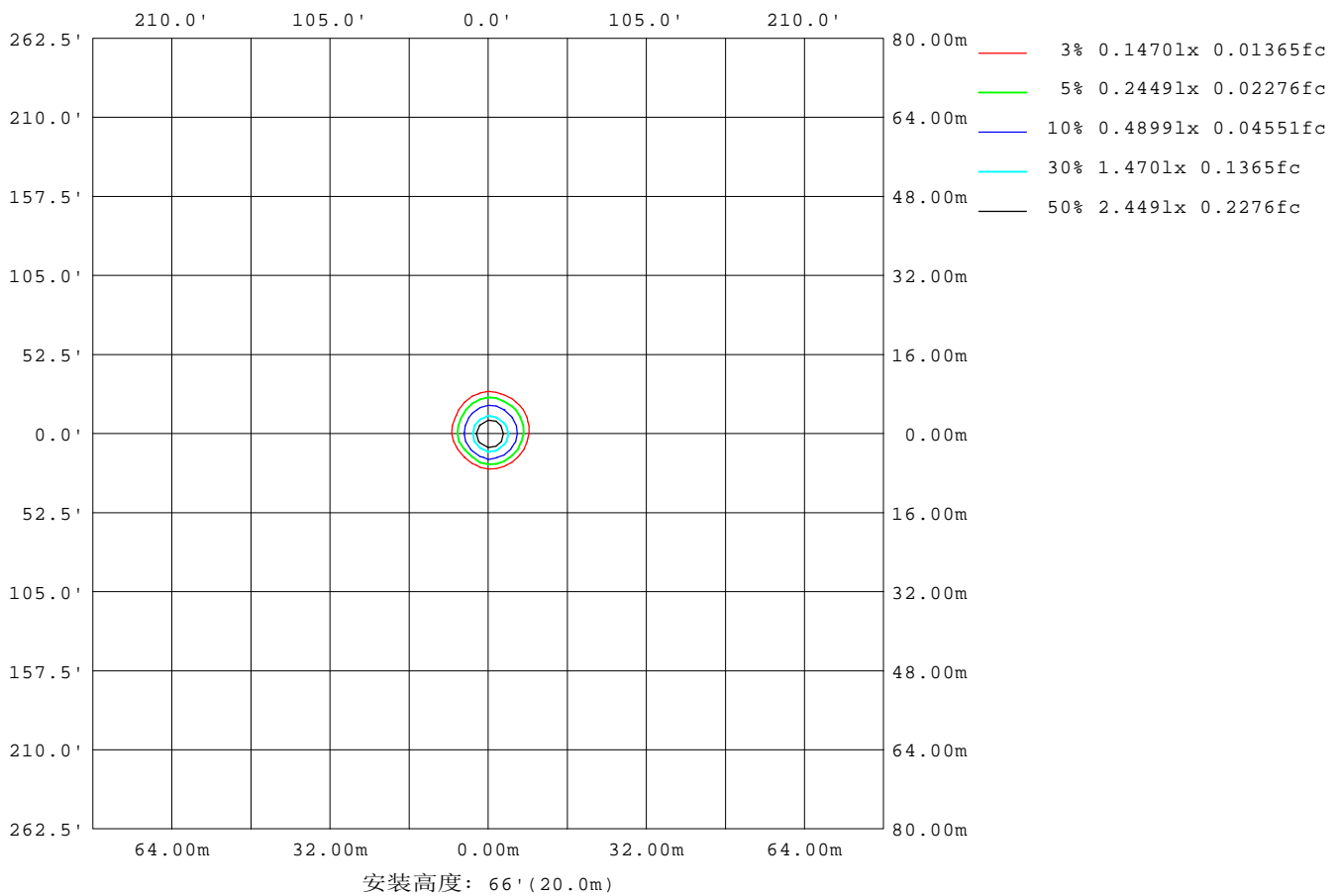
C角度范围: 0度 - 360度
 C角度间隔: 30.0度
 测试速度: 快速
 环境温度: 25.3℃
 测试人员: zoe
 测试日期: 2026-3-17

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:GW CSSRMU.CM-M6MF-XX37-1 Ra:90
 LENS:CA18103-TINA-Y-RS 18R
 NOT DRIVER:DC 24V

30minutes warm-up

平面等照度曲线

| | | |
|---|---------------------------------|------------------|
| 实测参数: U:23.997V I:0.1113A P:2.6709W PF:1.0000 Freq:49.99Hz 实检光通: 251.47x1 lm | | |
| 灯具名称: 2417.239 | 灯具类型: | 灯具重量: |
| 灯具规格: 3000K | 外型尺寸: | 测试编号: 2603170034 |
| 制造厂商: RISE | 发光口面: 0.000283385m ² | 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: 2026-3-17

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:GW CSSRMU.CM-M6MF-XX37-1 Ra:90
LENS:CA18103-TINA-Y-RS 18R
NOT DRIVER:DC 24V

30minutes warm-up

LED筒灯平均亮度报告

| | | |
|---|---------------------|------------------|
| 实测参数: U:23.997V I:0.1113A P:2.6709W PF:1.0000 Freq:49.99Hz 实检光通: 251.47x1 lm | | |
| 灯具名称: 2417.239 | 灯具类型: | 灯具重量: |
| 灯具规格: 3000K | 外型尺寸: | 测试编号: 2603170034 |
| 制造厂商: RISE | 发光口面: 0.000283385m2 | 遮光角: |

| 平均亮度 | 数值(cd/m2) |
|-----------|-----------|
| L横(65)av | 1431 |
| L横(75)av | 0 |
| L横(85)av | 0 |
| L纵(65)av | 1416 |
| L纵(75)av | 0 |
| L纵(85)av | 0 |
| L45(65)av | 1258 |
| L45(75)av | 0 |
| L45(85)av | 0 |

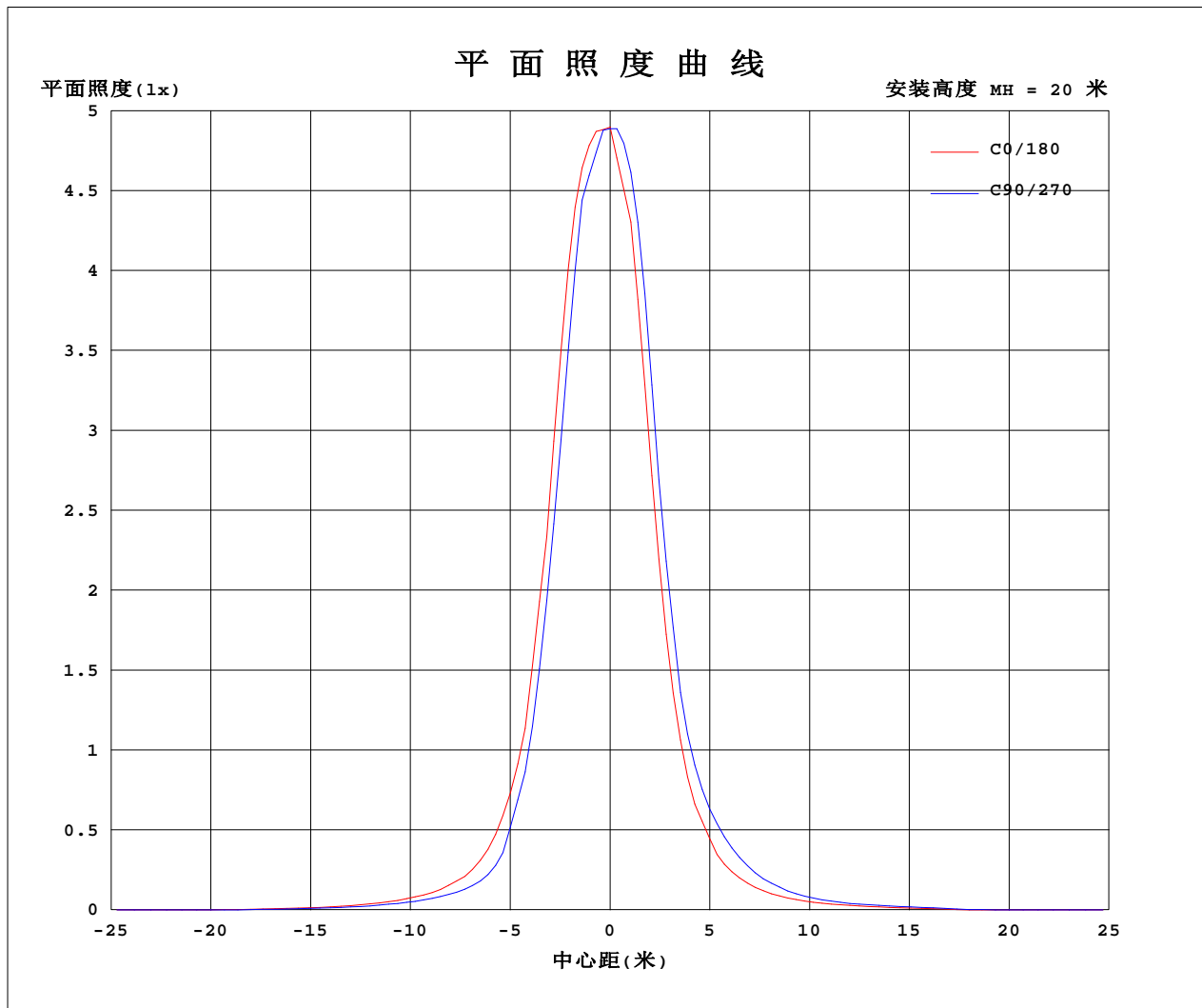
注:依据标准 GB/T 29293-2012 计算

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: 2026-3-17

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:GW CSSRMU.CM-M6MF-XX37-1 Ra:90
 LENS:CA18103-TINA-Y-RS 18R
 NOT DRIVER:DC 24V

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: 2026-3-17

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:GW CSSRMU.CM-M6MF-XX37-1 Ra:90
 LENS:CA18103-TINA-Y-RS 18R
 NOT DRIVER:DC 24V

30minutes warm-up



光 强 分 布 数 据 表 格

| | | |
|---|---------------------|------------------|
| 实测参数: U:23.997V I:0.1113A P:2.6709W PF:1.0000 Freq:49.99Hz 实检光通: 251.47x1 lm | | |
| 灯具名称: 2417.239 | 灯具类型: | 灯具重量: |
| 灯具规格: 3000K | 外型尺寸: | 测试编号: 2603170034 |
| 制造厂商: RISE | 发光口面: 0.000283385m2 | 遮光角: |

| | | | | | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--------|--|--|--|--|
| 表--1 | | | | | | | | | | | | | | 单位: cd | | | | |
| C(DEG) γ (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | |
| 0 | 1957 | 1957 | 1957 | 1957 | 1957 | 1957 | 1957 | 1957 | 1957 | 1957 | 1957 | 1957 | | | | | | |
| 5 | 1776 | 1786 | 1717 | 1621 | 1474 | 1401 | 1327 | 1306 | 1442 | 1561 | 1702 | 1758 | | | | | | |
| 10 | 807 | 802 | 726 | 633 | 517 | 473 | 445 | 450 | 513 | 571 | 668 | 746 | | | | | | |
| 15 | 262 | 252 | 190 | 160 | 132 | 136 | 154 | 156 | 212 | 240 | 258 | 274 | | | | | | |
| 20 | 101 | 85.9 | 73.6 | 63.3 | 56.2 | 59.3 | 68.6 | 73.6 | 95.6 | 113 | 115 | 118 | | | | | | |
| 25 | 50.9 | 42.9 | 37.9 | 34.1 | 33.4 | 33.8 | 35.1 | 39.2 | 48.4 | 54.6 | 55.1 | 57.3 | | | | | | |
| 30 | 27.8 | 24.3 | 21.0 | 19.3 | 20.2 | 20.5 | 20.6 | 22.9 | 26.2 | 29.6 | 32.2 | 32.0 | | | | | | |
| 35 | 14.5 | 12.5 | 11.1 | 10.7 | 10.5 | 11.2 | 12.1 | 13.6 | 15.3 | 18.7 | 19.8 | 18.3 | | | | | | |
| 40 | 7.17 | 5.38 | 5.48 | 5.06 | 4.17 | 5.05 | 5.40 | 6.15 | 8.40 | 10.0 | 9.85 | 9.76 | | | | | | |
| 45 | 1.39 | 1.26 | 1.18 | 1.18 | 1.13 | 0.91 | 0.92 | 0.95 | 1.06 | 1.31 | 1.44 | 1.50 | | | | | | |
| 50 | 0.62 | 0.60 | 0.62 | 0.66 | 0.67 | 0.50 | 0.52 | 0.53 | 0.56 | 0.67 | 0.73 | 0.67 | | | | | | |
| 55 | 0.31 | 0.30 | 0.31 | 0.38 | 0.40 | 0.31 | 0.34 | 0.32 | 0.33 | 0.36 | 0.41 | 0.35 | | | | | | |
| 60 | 0.21 | 0.19 | 0.21 | 0.26 | 0.28 | 0.21 | 0.24 | 0.21 | 0.23 | 0.25 | 0.29 | 0.25 | | | | | | |
| 65 | 0.12 | 0.10 | 0.14 | 0.17 | 0.19 | 0.13 | 0.22 | 0.15 | 0.15 | 0.17 | 0.20 | 0.16 | | | | | | |
| 70 | 0.03 | 0.03 | 0.03 | 0.08 | 0.11 | 0.02 | 0.06 | 0.19 | 0.02 | 0.07 | 0.11 | 0.05 | | | | | | |
| 75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 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
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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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LENS:CA18103-TINA-Y-RS 18R
NOT DRIVER:DC 24V

30minutes warm-up