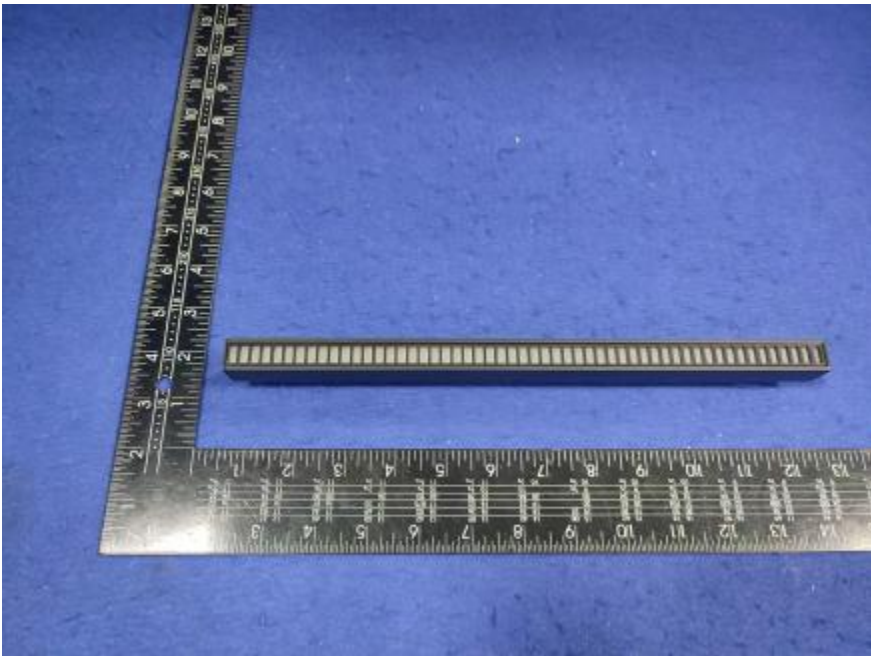


燈 具 實 物 照 片



| | | |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 15.7% | |
| Luminaire Power: | 5.356 W | |
| SHR Nominal: | 0.75 | Calculated using the TM5 |
| SHR Maximum: | 0.95 | 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: 2024-12-26

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: HL-A-2835D90W-2-S1-08L-HR5 Ra: 90
 DIFFUSER: PL-0101A+PM-0144A+PS-0516
 NOT DRIVER: 48V
 30minutes warm-up

灯具配光曲线及特征面照片

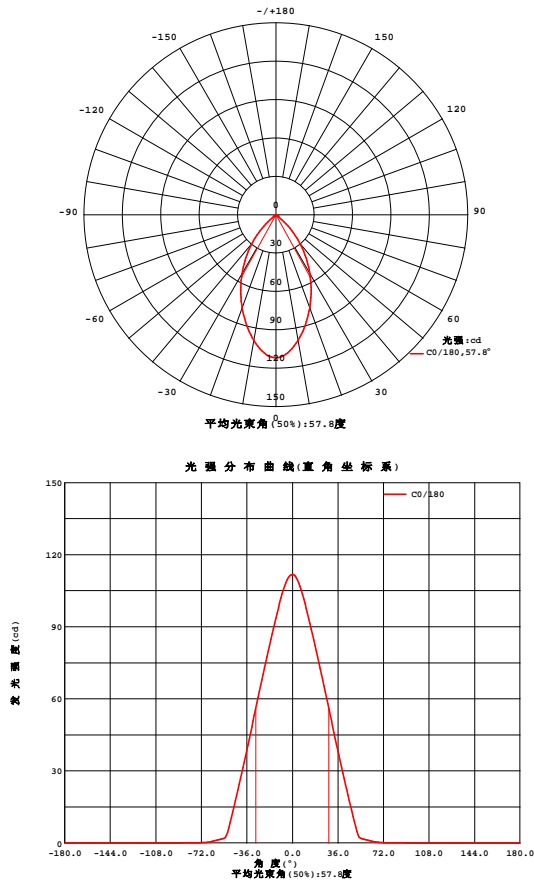


Fig. C0/C180

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: 2024-12-26

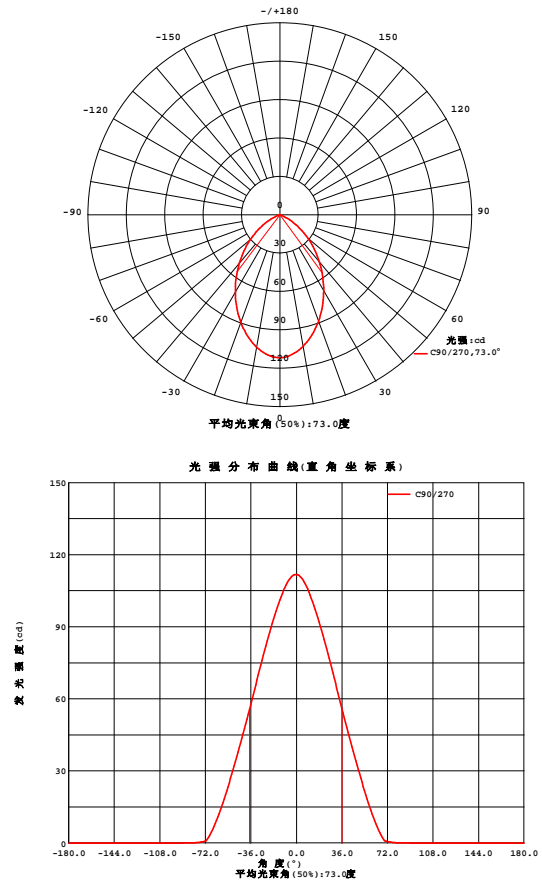


Fig. C90/C270

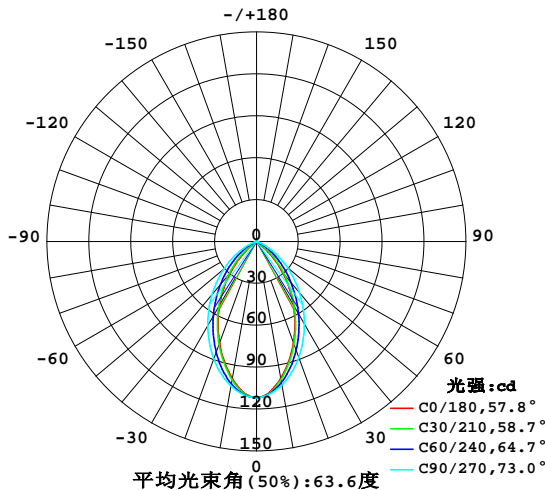
Y角度范围: 0度 - 180度
Y角度间隔: 1.0度
测试系统: 远方(EVERFINE)GO-SPEX500_V1系统 V2.00.461
环境湿度: 65.0%
测试距离: 3.160米 [K=1.0000]
备注: LAMP: HL-A-2835D90W-2-S1-08L-HR5 Ra: 90
DIFFUSER: PL-0101A+PM-0144A+PS-0516
NOT DRIVER: 48V
30minutes warm-up

室内灯具光度数据

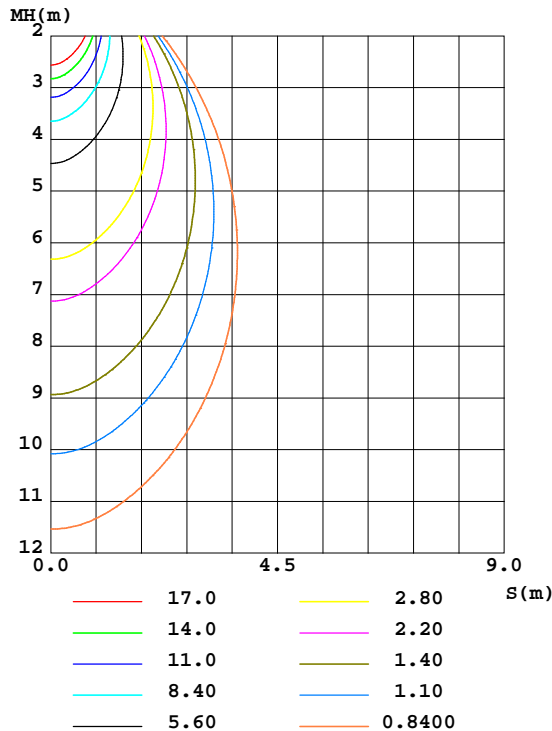
| | | |
|--|-----------------------------|------------------|
| 实测参数: U:47.997V I:0.1116A P:5.3565W PF:1.0000 Freq:0Hz 实检光通: 823.228x1 lm | | |
| 灯具名称: OZ48-P2L-3 | 灯具类型: | 灯具重量: |
| 灯具规格: 3000K | 外型尺寸: | 测试编号: 2412261527 |
| 制造厂商: RISE | 发光口面: 0.00291m ² | 遮光角: |

| 光源数据 | | 光度数据 | | | | 光效: 24.14 lm/W |
|-----------|---------|----------|--------|-------------------|---------|----------------|
| 型号 | HONGLI | 峰值光强(cd) | 111.8 | S/MH(C0/180) | 0.84 | |
| 标称功率(W) | 5 | 灯具效率(%) | 15.7 | S/MH(C90/270) | 0.99 | |
| 额定电源电压(V) | 48 | 总光通量(lm) | 129.29 | η UP,DN(C0-180) | 0.0,7.8 | |
| 额定光通量(lm) | 823.228 | CIE分类 | 直接 | η UP,DN(C180-360) | 0.0,8.0 | |
| 灯具内光源数(只) | 1 | 上射光通比(%) | 0.0 | CIBSE SHR NOM | 0.75 | |
| 实测电源电压(V) | 48 | 下射光通比(%) | 15.7 | CIBSE SHR MAX | 0.95 | |

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: 2024-12-26

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: HL-A-2835D90W-2-S1-08L-HR5 Ra:90
DIFFUSER: PL-0101A+PM-0144A+PS-0516
NOT DRIVER: 48V
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 | 99.67 | 101.6 | 104.4 | 101.7 | 99.86 | 102.2 | 105.1 | 102.0 | 0- 10 | 10.18 | 10.18 | 7.88,1.24 |
| 20 | 77.52 | 80.71 | 88.49 | 80.57 | 77.54 | 81.53 | 89.60 | 81.34 | 10- 20 | 25.86 | 36.04 | 27.9,4.38 |
| 30 | 53.15 | 57.29 | 68.60 | 56.98 | 53.21 | 58.25 | 69.96 | 58.04 | 20- 30 | 32.24 | 68.29 | 52.8,8.29 |
| 40 | 29.16 | 34.97 | 48.02 | 34.55 | 29.06 | 36.03 | 49.56 | 35.78 | 30- 40 | 29.58 | 97.86 | 75.7,11.9 |
| 50 | 6.850 | 15.75 | 28.78 | 15.27 | 6.401 | 16.89 | 30.35 | 16.56 | 40- 50 | 20.21 | 118.1 | 91.3,14.3 |
| 60 | 1.169 | 3.815 | 12.12 | 3.649 | 1.182 | 4.482 | 13.68 | 4.246 | 50- 60 | 8.747 | 126.8 | 98.1,15.4 |
| 70 | 0.1946 | 0.2504 | 0.8188 | 0.2376 | 0.1867 | 0.3625 | 1.741 | 0.3239 | 60- 70 | 2.280 | 129.1 | 99.9,15.7 |
| 80 | 0.0394 | 0.0358 | 0.0941 | 0.0337 | 0.0353 | 0.0423 | 0.1198 | 0.0437 | 70- 80 | 0.1726 | 129.3 | 100,15.7 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80- 90 | 0.0185 | 129.3 | 100,15.7 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0 | 129.3 | 100,15.7 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0 | 129.3 | 100,15.7 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0 | 129.3 | 100,15.7 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0 | 129.3 | 100,15.7 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 129.3 | 100,15.7 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0 | 129.3 | 100,15.7 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0 | 129.3 | 100,15.7 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0 | 129.3 | 100,15.7 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0 | 129.3 | 100,15.7 |
| 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: 2024-12-26

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: HL-A-2835D90W-2-S1-08L-HR5 Ra:90
 DIFFUSER: PL-0101A+PM-0144A+PS-0516
 NOT DRIVER: 48V
 30minutes warm-up

灯具亮度限制曲线

实测参数: U:47.997V I:0.1116A P:5.3565W PF:1.0000 Freq:0Hz
实检光通: 823.228x1 lm

灯具名称: OZ48-P2L-3

灯具类型:

灯具重量:

灯具规格: 3000K

外型尺寸:

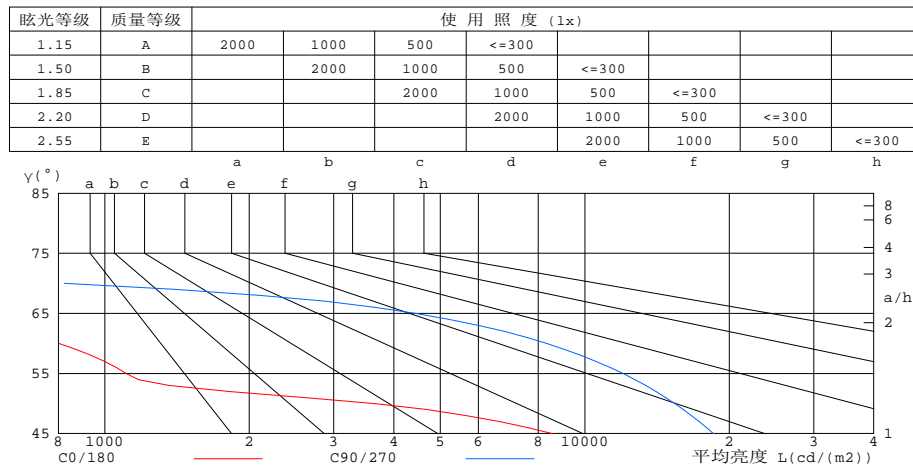
测试编号: 2412261527

制造厂商: RISE

发光口面: 0.00291m²

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 | 38 | 82 |
| 80 | 78 | 186 |
| 75 | 122 | 426 |
| 70 | 195 | 823 |
| 65 | 412 | 4443 |
| 60 | 804 | 8335 |
| 55 | 1108 | 12025 |
| 50 | 3662 | 15398 |
| 45 | 8586 | 18546 |

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: 2024-12-26

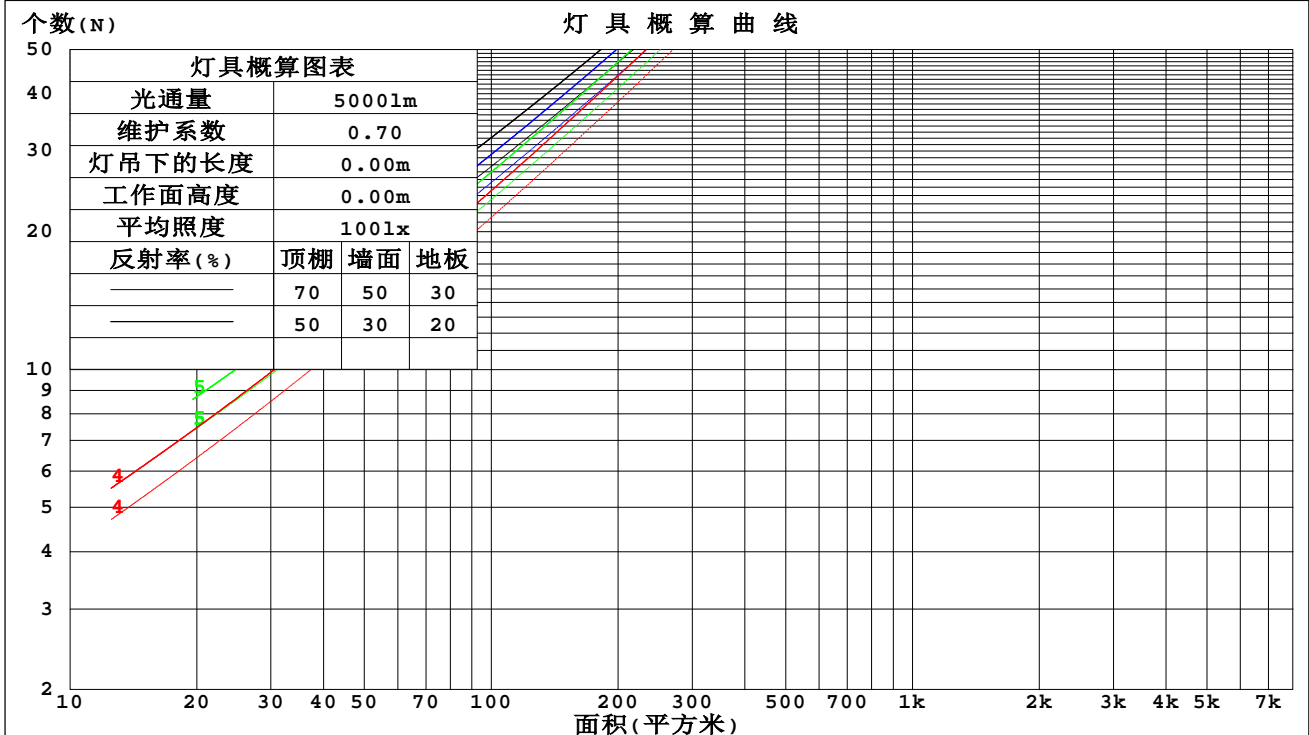
γ角度范围: 0度 - 180度
γ角度间隔: 1.0度
测试系统: 远方(EVERFINE)GO-SPEX500_V1系统 V2.00.461
环境湿度: 65.0%
测试距离: 3.160米 [K=1.0000]
备注: LAMP: HL-A-2835D90W-2-S1-08L-HR5 Ra: 90
DIFFUSER: PL-0101A+PM-0144A+PS-0516
NOT DRIVER: 48V
30minutes warm-up

工作面利用系数和灯具概算曲线

实测参数: U:47.997V I:0.1116A P:5.3565W PF:1.0000 Freq:0Hz
实检光通: 823.228x1 lm

| | | |
|------------------|-----------------------------|------------------|
| 灯具名称: OZ48-P2L-3 | 灯具类型: | 灯具重量: |
| 灯具规格: 3000K | 外型尺寸: | 测试编号: 2412261527 |
| 制造厂商: RISE | 发光口面: 0.00291m 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 | .19 | .19 | .19 | .18 | .18 | .18 | .17 | .17 | .17 | .17 | .17 | .17 | .16 | .16 | .16 | .16 |
| 1.0 | .17 | .17 | .16 | .17 | .16 | .16 | .16 | .16 | .16 | .16 | .15 | .15 | .15 | .15 | .15 | .14 |
| 2.0 | .16 | .15 | .14 | .15 | .15 | .14 | .15 | .14 | .14 | .14 | .14 | .14 | .14 | .14 | .13 | .13 |
| 3.0 | .14 | .14 | .13 | .14 | .13 | .13 | .14 | .13 | .12 | .13 | .13 | .12 | .13 | .13 | .12 | .12 |
| 4.0 | .13 | .12 | .11 | .13 | .12 | .11 | .13 | .12 | .11 | .12 | .12 | .11 | .12 | .11 | .11 | .11 |
| 5.0 | .12 | .11 | .10 | .12 | .11 | .10 | .12 | .11 | .10 | .11 | .11 | .10 | .11 | .11 | .10 | .10 |
| 6.0 | .11 | .10 | .09 | .11 | .10 | .09 | .11 | .10 | .09 | .11 | .10 | .09 | .10 | .10 | .09 | .09 |
| 7.0 | .10 | .09 | .09 | .10 | .09 | .09 | .10 | .09 | .09 | .10 | .09 | .08 | .10 | .09 | .08 | .08 |
| 8.0 | .10 | .09 | .08 | .10 | .09 | .08 | .09 | .09 | .08 | .09 | .08 | .08 | .09 | .08 | .08 | .08 |
| 9.0 | .09 | .08 | .07 | .09 | .08 | .07 | .09 | .08 | .07 | .09 | .08 | .07 | .09 | .08 | .07 | .07 |
| 10.0 | .09 | .07 | .07 | .08 | .07 | .07 | .08 | .07 | .07 | .08 | .07 | .07 | .08 | .07 | .07 | .06 |



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: 2024-12-26

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: HL-A-2835D90W-2-S1-08L-HR5 Ra: 90
DIFFUSER: PL-0101A+PM-0144A+PS-0516
NOT DRIVER: 48V
30minutes warm-up

墙面和天花板利用系数

| | | |
|--|-----------------------------|------------------|
| 实测参数: U:47.997V I:0.1116A P:5.3565W PF:1.0000 Freq:0Hz 实检光通: 823.228x1 lm | | |
| 灯具名称: OZ48-P2L-3 | 灯具类型: | 灯具重量: |
| 灯具规格: 3000K | 外型尺寸: | 测试编号: 2412261527 |
| 制造厂商: RISE | 发光口面: 0.00291m 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 | 墙 壁 面 利 用 系 数 | | | | | | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .032 | .018 | .006 | .031 | .018 | .006 | .029 | .017 | .005 | .027 | .016 | .005 | .025 | .015 | .005 | |
| 2.0 | .031 | .017 | .005 | .030 | .017 | .005 | .029 | .016 | .005 | .027 | .015 | .005 | .026 | .014 | .005 | |
| 3.0 | .030 | .016 | .005 | .029 | .016 | .005 | .028 | .015 | .005 | .026 | .014 | .004 | .025 | .014 | .004 | |
| 4.0 | .028 | .015 | .004 | .028 | .015 | .004 | .027 | .014 | .004 | .025 | .014 | .004 | .024 | .013 | .004 | |
| 5.0 | .027 | .014 | .004 | .027 | .014 | .004 | .025 | .013 | .004 | .024 | .013 | .004 | .023 | .012 | .004 | |
| 6.0 | .026 | .013 | .004 | .025 | .013 | .004 | .024 | .012 | .004 | .023 | .012 | .004 | .022 | .012 | .004 | |
| 7.0 | .025 | .012 | .003 | .024 | .012 | .003 | .023 | .012 | .003 | .022 | .011 | .003 | .022 | .011 | .003 | |
| 8.0 | .023 | .011 | .003 | .023 | .011 | .003 | .022 | .011 | .003 | .021 | .011 | .003 | .021 | .011 | .003 | |
| 9.0 | .022 | .011 | .003 | .022 | .011 | .003 | .021 | .010 | .003 | .020 | .010 | .003 | .020 | .010 | .003 | |
| 10.0 | .021 | .010 | .003 | .021 | .010 | .003 | .020 | .010 | .003 | .020 | .010 | .003 | .019 | .010 | .003 | |

| | | | | | | | | | | | | | | | | |
|------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| 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 | .030 | .030 | .030 | .026 | .026 | .026 | .017 | .017 | .017 | .010 | .010 | .010 | .003 | .003 | .003 | |
| 1.0 | .027 | .025 | .022 | .023 | .021 | .019 | .016 | .015 | .013 | .009 | .008 | .008 | .003 | .003 | .003 | |
| 2.0 | .025 | .021 | .017 | .021 | .018 | .015 | .015 | .012 | .010 | .008 | .007 | .006 | .003 | .002 | .002 | |
| 3.0 | .023 | .018 | .013 | .020 | .015 | .012 | .014 | .011 | .008 | .008 | .006 | .005 | .003 | .002 | .002 | |
| 4.0 | .022 | .016 | .011 | .019 | .014 | .009 | .013 | .009 | .007 | .008 | .006 | .004 | .002 | .002 | .001 | |
| 5.0 | .021 | .014 | .009 | .018 | .012 | .008 | .012 | .008 | .005 | .007 | .005 | .003 | .002 | .002 | .001 | |
| 6.0 | .020 | .012 | .007 | .017 | .011 | .006 | .012 | .008 | .004 | .007 | .004 | .003 | .002 | .001 | .001 | |
| 7.0 | .019 | .011 | .006 | .016 | .010 | .005 | .011 | .007 | .004 | .006 | .004 | .002 | .002 | .001 | .001 | |
| 8.0 | .018 | .010 | .005 | .015 | .009 | .005 | .011 | .006 | .003 | .006 | .004 | .002 | .002 | .001 | .001 | |
| 9.0 | .017 | .010 | .005 | .015 | .008 | .004 | .010 | .006 | .003 | .006 | .003 | .002 | .002 | .001 | .001 | |
| 10.0 | .016 | .009 | .004 | .014 | .008 | .003 | .010 | .005 | .002 | .006 | .003 | .001 | .002 | .001 | .000 | |

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: 2024-12-26

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: HL-A-2835D90W-2-S1-08L-HR5 Ra: 90
DIFFUSER: PL-0101A+PM-0144A+PS-0516
NOT DRIVER: 48V
30minutes warm-up

UGR(Unified Glare Rating)数据表

| | | | | | | | | | | | | |
|--|-----|----------------------|------|------|-----------------|------|--------------------|------------------|------|------|------|------|
| 实测参数: U:47.997V I:0.1116A P:5.3565W PF:1.0000 Freq:0Hz 实检光通: 823.228x1 lm | | | | | | | | | | | | |
| 灯具名称: OZ48-P2L-3 | | | | | 灯具类型: | | | 灯具重量: | | | | |
| 灯具规格: 3000K | | | | | 外型尺寸: | | | 测试编号: 2412261527 | | | | |
| 制造厂商: RISE | | | | | 发光口面: 0.00291m2 | | | 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 | 16.5 | 17.6 | 16.7 | 17.8 | 18.0 | 20.6 | 21.7 | 20.8 | 21.9 | 22.1 | |
| | 3H | 16.3 | 17.3 | 16.6 | 17.5 | 17.8 | 20.5 | 21.5 | 20.8 | 21.7 | 21.9 | |
| | 4H | 16.2 | 17.2 | 16.5 | 17.4 | 17.6 | 20.4 | 21.4 | 20.7 | 21.6 | 21.8 | |
| | 6H | 16.1 | 17.0 | 16.4 | 17.3 | 17.5 | 20.3 | 21.2 | 20.6 | 21.5 | 21.7 | |
| | 8H | 16.1 | 16.9 | 16.4 | 17.2 | 17.5 | 20.3 | 21.1 | 20.6 | 21.4 | 21.7 | |
| | 12H | 16.0 | 16.9 | 16.4 | 17.1 | 17.4 | 20.2 | 21.0 | 20.5 | 21.3 | 21.6 | |
| | 4H | 2H | 16.5 | 17.4 | 16.8 | 17.7 | 17.9 | 20.3 | 21.3 | 20.6 | 21.5 | 21.8 |
| | 3H | 16.3 | 17.1 | 16.6 | 17.4 | 17.7 | 20.2 | 21.1 | 20.6 | 21.4 | 21.6 | |
| | 4H | 16.2 | 16.9 | 16.5 | 17.3 | 17.6 | 20.2 | 20.9 | 20.5 | 21.2 | 21.5 | |
| | 6H | 16.1 | 16.8 | 16.5 | 17.1 | 17.4 | 20.1 | 20.7 | 20.4 | 21.1 | 21.4 | |
| | 8H | 16.1 | 16.7 | 16.4 | 17.0 | 17.4 | 20.0 | 20.6 | 20.4 | 21.0 | 21.4 | |
| | 12H | 16.0 | 16.6 | 16.4 | 16.9 | 17.3 | 20.0 | 20.5 | 20.4 | 20.9 | 21.3 | |
| 8H | 4H | 16.1 | 16.7 | 16.5 | 17.0 | 17.4 | 20.0 | 20.6 | 20.4 | 21.0 | 21.3 | |
| | 6H | 16.0 | 16.5 | 16.4 | 16.9 | 17.3 | 19.9 | 20.4 | 20.3 | 20.8 | 21.2 | |
| | 8H | 15.9 | 16.3 | 16.4 | 16.8 | 17.2 | 19.9 | 20.3 | 20.3 | 20.7 | 21.2 | |
| | 12H | 15.9 | 16.2 | 16.3 | 16.7 | 17.1 | 19.8 | 20.2 | 20.3 | 20.6 | 21.1 | |
| 12H | 4H | 16.0 | 16.6 | 16.4 | 16.9 | 17.3 | 20.0 | 20.5 | 20.4 | 20.9 | 21.3 | |
| | 6H | 15.9 | 16.3 | 16.4 | 16.8 | 17.2 | 19.9 | 20.3 | 20.3 | 20.7 | 21.2 | |
| | 8H | 15.9 | 16.2 | 16.3 | 16.7 | 17.1 | 19.8 | 20.2 | 20.3 | 20.6 | 21.1 | |
| 不同间隔布灯时,观察者位置引起的UGR变化(CIE Pub.117): | | | | | | | | | | | | |
| S = 1.0H | | + 2.5 / -11.1 | | | | | + 1.4 / - 1.9 | | | | | |
| 1.5H | | + 2.7 / - 8.3 | | | | | + 1.7 / - 2.5 | | | | | |
| 2.0H | | + 5.4 / -10.9 | | | | | + 3.8 / - 7.8 | | | | | |

依据CIE Pub.117计算, 823.2lm光源光通表格中的数据需要进行修正($8\log(F/F_0) = -0.7$).
出光口面积: 0.00291 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: 2024-12-26

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: HL-A-2835D90W-2-S1-08L-HR5 Ra:90
DIFFUSER: PL-0101A+PM-0144A+PS-0516
NOT DRIVER: 48V
30minutes warm-up

UF利用系数表

| | | |
|--|-----------------------------|------------------|
| 实测参数: U:47.997V I:0.1116A P:5.3565W PF:1.0000 Freq:0Hz 实检光通: 823.228x1 lm | | |
| 灯具名称: OZ48-P2L-3 | 灯具类型: | 灯具重量: |
| 灯具规格: 3000K | 外型尺寸: | 测试编号: 2412261527 |
| 制造厂商: RISE | 发光口面: 0.00291m ² | 遮光角: |

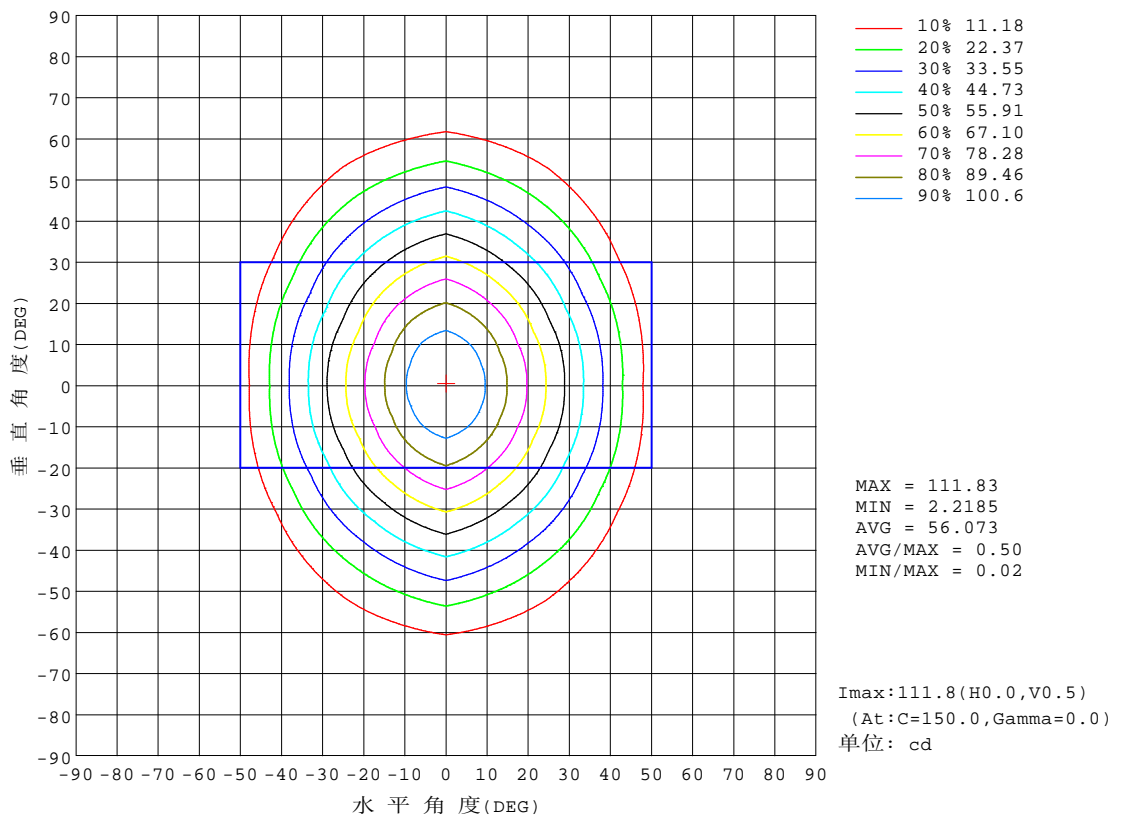
| 反 射 比 / REFLECTANCE | | | | | | | | | | |
|----------------------------|--|-----|-----|-----|-----|-----|---------------------|-----|-----|--------|
| 天花板 | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| 墙壁 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| 工作面 | 0.2 | 0.2 | 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(%) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 12 | 11 | 10 | 12 | 11 | 10 | 12 | 10 | 10 | 9 |
| 0.80 | 13 | 12 | 11 | 13 | 12 | 11 | 13 | 12 | 11 | 10 |
| 1.00 | 14 | 13 | 13 | 14 | 13 | 12 | 14 | 13 | 12 | 12 |
| 1.25 | 15 | 14 | 14 | 15 | 14 | 13 | 15 | 14 | 13 | 13 |
| 1.50 | 16 | 15 | 14 | 16 | 15 | 14 | 15 | 15 | 14 | 13 |
| 2.00 | 17 | 16 | 15 | 16 | 16 | 15 | 16 | 15 | 15 | 14 |
| 2.50 | 17 | 16 | 16 | 17 | 16 | 15 | 16 | 16 | 15 | 14 |
| 3.00 | 17 | 17 | 16 | 17 | 16 | 16 | 16 | 16 | 15 | 14 |
| 4.00 | 18 | 17 | 17 | 17 | 17 | 16 | 17 | 16 | 16 | 15 |
| 5.00 | 18 | 17 | 17 | 17 | 17 | 17 | 17 | 16 | 16 | 15 |
| 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: 2024-12-26

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: HL-A-2835D90W-2-S1-08L-HR5 Ra: 90
DIFFUSER: PL-0101A+PM-0144A+PS-0516
NOT DRIVER: 48V
30minutes warm-up

灯具等光强曲线

| | | |
|--|-----------------------------|------------------|
| 实测参数: U:47.997V I:0.1116A P:5.3565W PF:1.0000 Freq:0Hz 实检光通: 823.228x1 lm | | |
| 灯具名称: OZ48-P2L-3 | 灯具类型: | 灯具重量: |
| 灯具规格: 3000K | 外型尺寸: | 测试编号: 2412261527 |
| 制造厂商: RISE | 发光口面: 0.00291m ² | 遮光角: |

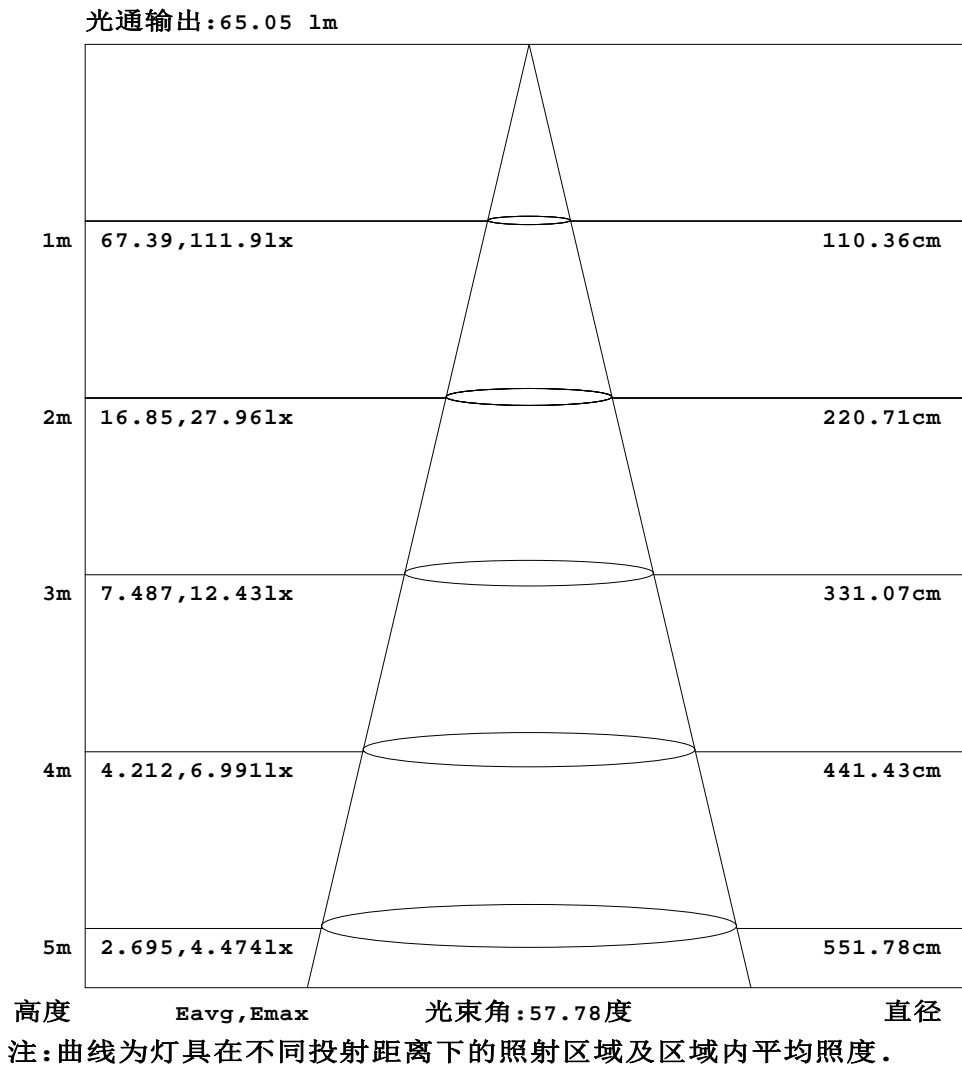


C角度范围: 0度 - 360度
C角度间隔: 30.0度
测试速度: 快速
环境温度: 25.3℃
测试人员: zoe
测试日期: 2024-12-26

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: HL-A-2835D90W-2-S1-08L-HR5 Ra: 90
DIFFUSER: PL-0101A+PM-0144A+PS-0516
NOT DRIVER: 48V
30minutes warm-up

灯具有效平均照度图

| | | |
|--|-----------------------------|------------------|
| 实测参数: U:47.997V I:0.1116A P:5.3565W PF:1.0000 Freq:0Hz 实检光通: 823.228x1 lm | | |
| 灯具名称: OZ48-P2L-3 | 灯具类型: | 灯具重量: |
| 灯具规格: 3000K | 外型尺寸: | 测试编号: 2412261527 |
| 制造厂商: RISE | 发光口面: 0.00291m ² | 遮光角: |

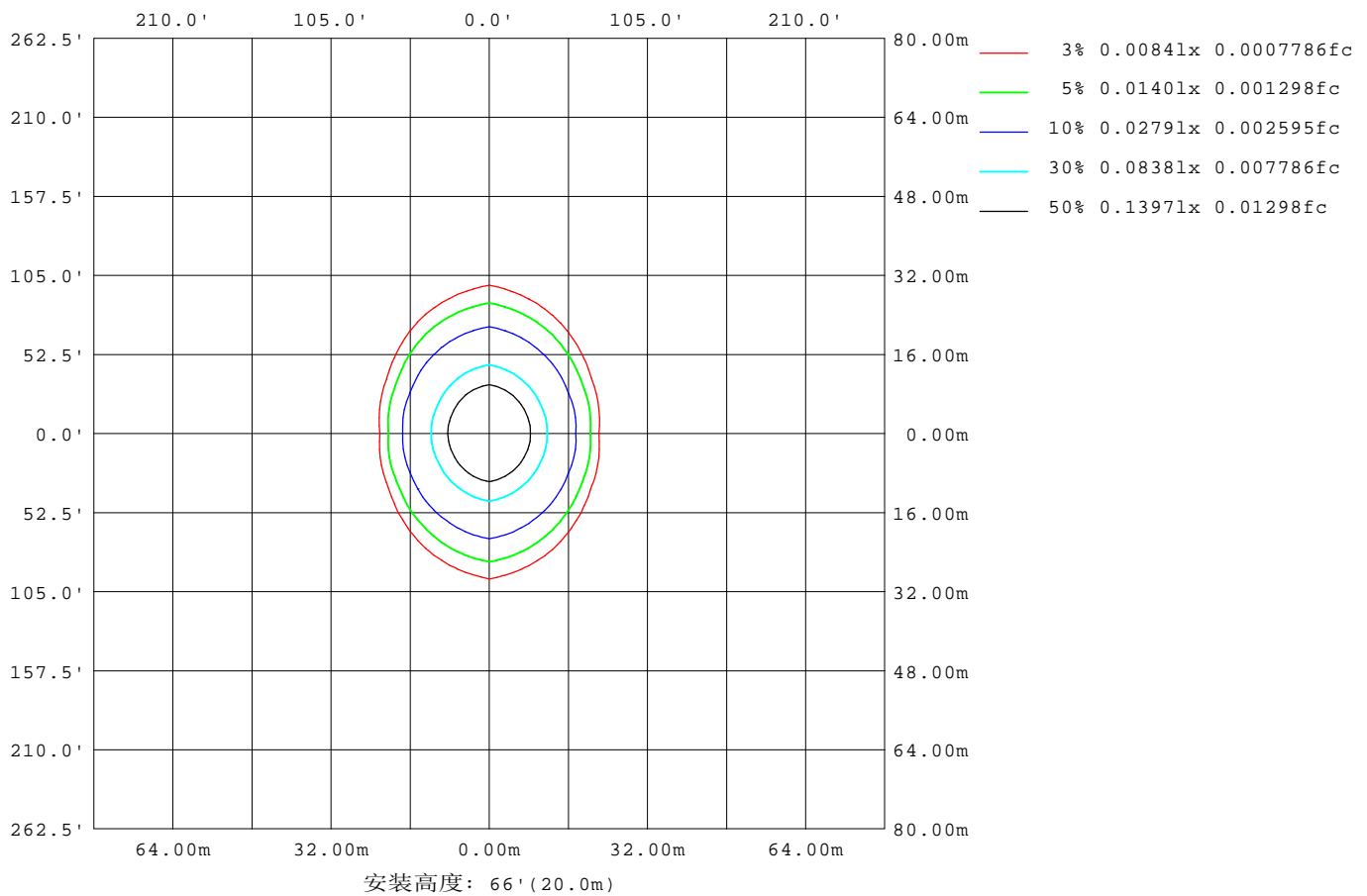


C角度范围: 0度 - 360度
 C角度间隔: 30.0度
 测试速度: 快速
 环境温度: 25.3℃
 测试人员: zoe
 测试日期: 2024-12-26

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: HL-A-2835D90W-2-S1-08L-HR5 Ra: 90
 DIFFUSER: PL-0101A+PM-0144A+PS-0516
 NOT DRIVER: 48V
 30minutes warm-up

平面等照度曲线

| | | |
|--|-----------------------------|------------------|
| 实测参数: U:47.997V I:0.1116A P:5.3565W PF:1.0000 Freq:0Hz 实检光通: 823.228x1 lm | | |
| 灯具名称: OZ48-P2L-3 | 灯具类型: | 灯具重量: |
| 灯具规格: 3000K | 外型尺寸: | 测试编号: 2412261527 |
| 制造厂商: RISE | 发光口面: 0.00291m 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: 2024-12-26

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: HL-A-2835D90W-2-S1-08L-HR5 Ra:90
 DIFFUSER: PL-0101A+PM-0144A+PS-0516
 NOT DRIVER: 48V
 30minutes warm-up

LED筒灯平均亮度报告

| | | |
|--|-----------------------------|------------------|
| 实测参数: U:47.997V I:0.1116A P:5.3565W PF:1.0000 Freq:0Hz 实检光通: 823.228x1 lm | | |
| 灯具名称: OZ48-P2L-3 | 灯具类型: | 灯具重量: |
| 灯具规格: 3000K | 外型尺寸: | 测试编号: 2412261527 |
| 制造厂商: RISE | 发光口面: 0.00291m ² | 遮光角: |

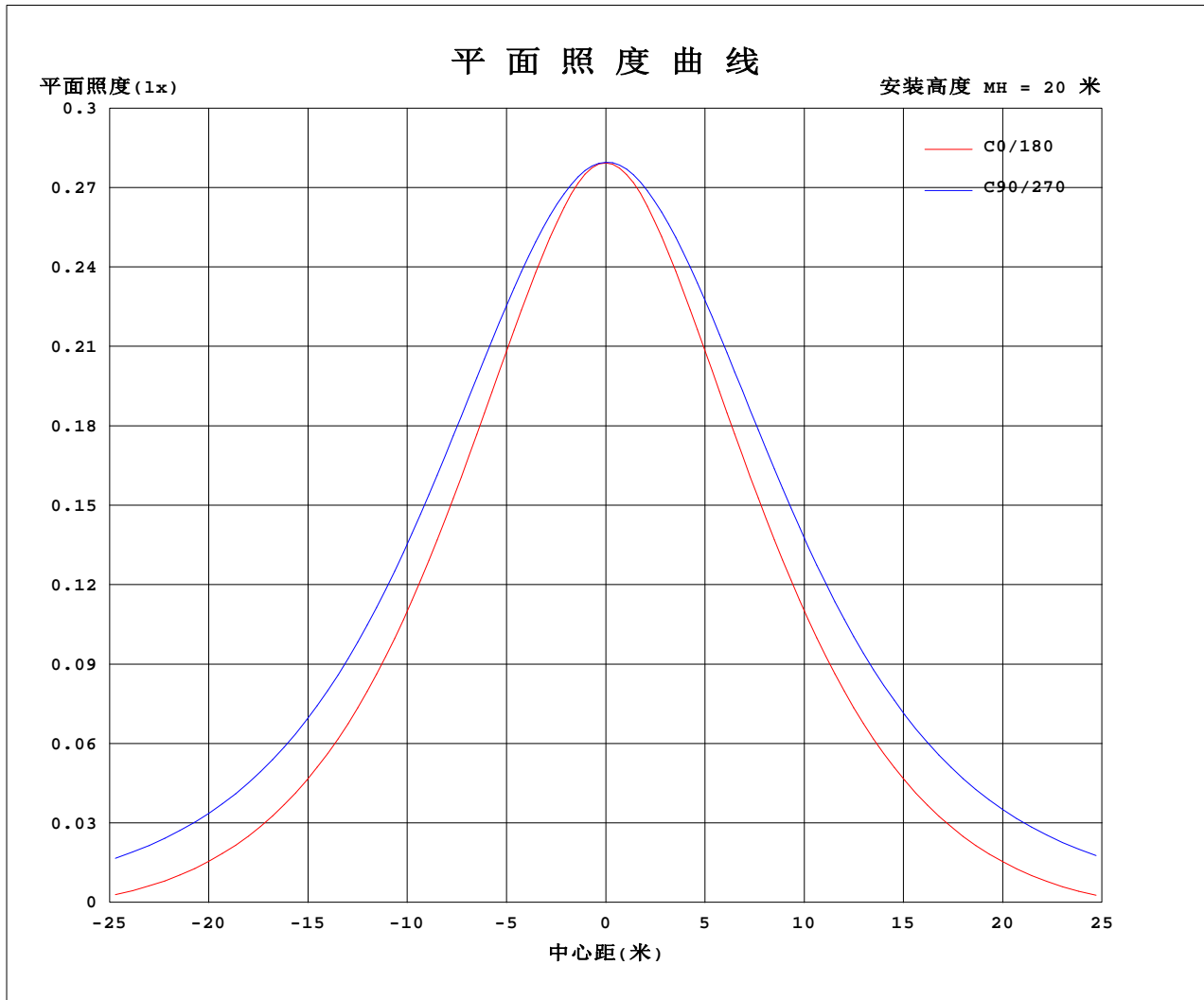
| 平均亮度 | 数值(cd/m ²) |
|-----------|------------------------|
| L横(65)av | 413 |
| L横(75)av | 120 |
| L横(85)av | 40 |
| L纵(65)av | 5005 |
| L纵(75)av | 488 |
| L纵(85)av | 94 |
| L45(65)av | 1037 |
| L45(75)av | 100 |
| L45(85)av | 38 |

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: 2024-12-26

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:HL-A-2835D90W-2-S1-08L-HR5 Ra:90
 DIFFUSER:PL-0101A+PM-0144A+PS-0516
 NOT DRIVER:48V
 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: 2024-12-26

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: HL-A-2835D90W-2-S1-08L-HR5 Ra: 90
DIFFUSER: PL-0101A+PM-0144A+PS-0516
NOT DRIVER: 48V
30minutes warm-up



光 强 分 布 数 据 表 格

| | | |
|--|-----------------|------------------|
| 实测参数: U:47.997V I:0.1116A P:5.3565W PF:1.0000 Freq:0Hz 实检光通: 823.228x1 lm | | |
| 灯具名称: OZ48-P2L-3 | 灯具类型: | 灯具重量: |
| 灯具规格: 3000K | 外型尺寸: | 测试编号: 2412261527 |
| 制造厂商: RISE | 发光口面: 0.00291m2 | 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 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | | | | | | |
| 5 | 108 | 109 | 109 | 110 | 109 | 109 | 108 | 109 | 110 | 110 | 110 | 109 | | | | | | |
| 10 | 99.7 | 101 | 103 | 104 | 103 | 100 | 99.9 | 101 | 104 | 105 | 103 | 101 | | | | | | |
| 15 | 89.1 | 90.0 | 93.5 | 97.2 | 93.7 | 89.9 | 89.2 | 90.2 | 94.9 | 98.1 | 94.3 | 90.3 | | | | | | |
| 20 | 77.5 | 78.4 | 83.0 | 88.5 | 83.0 | 78.1 | 77.5 | 78.6 | 84.5 | 89.6 | 83.9 | 78.7 | | | | | | |
| 25 | 65.4 | 66.3 | 71.7 | 78.8 | 71.6 | 66.0 | 65.5 | 66.6 | 73.4 | 80.1 | 72.8 | 66.7 | | | | | | |
| 30 | 53.1 | 54.2 | 60.3 | 68.6 | 60.0 | 53.9 | 53.2 | 54.5 | 62.0 | 70.0 | 61.4 | 54.6 | | | | | | |
| 35 | 41.0 | 42.5 | 49.2 | 58.2 | 48.8 | 42.1 | 41.0 | 42.8 | 50.9 | 59.7 | 50.3 | 42.9 | | | | | | |
| 40 | 29.2 | 31.3 | 38.6 | 48.0 | 38.2 | 30.9 | 29.1 | 31.7 | 40.4 | 49.6 | 39.8 | 31.8 | | | | | | |
| 45 | 17.7 | 21.0 | 28.8 | 38.1 | 28.5 | 20.4 | 17.5 | 21.4 | 30.6 | 39.7 | 30.0 | 21.4 | | | | | | |
| 50 | 6.85 | 11.4 | 20.1 | 28.8 | 19.7 | 10.8 | 6.40 | 12.0 | 21.8 | 30.4 | 21.2 | 11.9 | | | | | | |
| 55 | 1.85 | 3.36 | 12.5 | 20.1 | 12.2 | 2.87 | 1.85 | 3.83 | 14.0 | 21.6 | 13.5 | 3.66 | | | | | | |
| 60 | 1.17 | 1.21 | 6.42 | 12.1 | 6.09 | 1.20 | 1.18 | 1.27 | 7.70 | 13.7 | 7.24 | 1.25 | | | | | | |
| 65 | 0.51 | 0.60 | 2.08 | 5.46 | 1.82 | 0.59 | 0.51 | 0.67 | 3.01 | 6.85 | 2.62 | 0.66 | | | | | | |
| 70 | 0.19 | 0.18 | 0.32 | 0.82 | 0.31 | 0.16 | 0.19 | 0.20 | 0.53 | 1.74 | 0.44 | 0.21 | | | | | | |
| 75 | 0.09 | 0.08 | 0.10 | 0.32 | 0.09 | 0.07 | 0.09 | 0.08 | 0.12 | 0.41 | 0.11 | 0.09 | | | | | | |
| 80 | 0.04 | 0.03 | 0.04 | 0.09 | 0.04 | 0.03 | 0.04 | 0.04 | 0.05 | 0.12 | 0.05 | 0.04 | | | | | | |
| 85 | 0.01 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.03 | 0.01 | 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: 2024-12-26

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: HL-A-2835D90W-2-S1-08L-HR5 Ra: 90
DIFFUSER: PL-0101A+PM-0144A+PS-0516
NOT DRIVER: 48V
30minutes warm-up