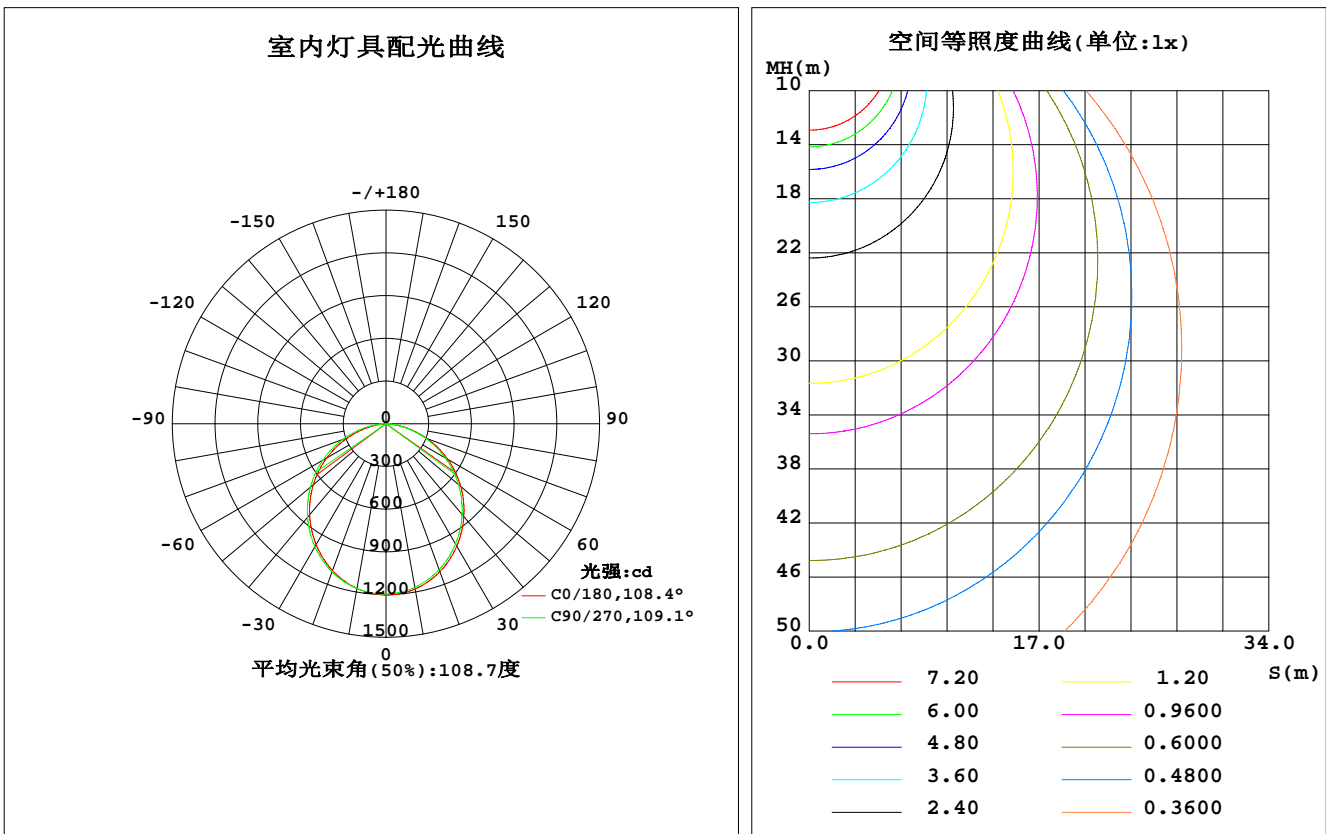


## 室内灯具光度数据

|  |                    |           |
|--|--------------------|-----------|
| 实测参数: U:219.90V I:0.1330A P:28.760W PF:0.9760 Freq:50.00Hz |                    |           |
| 实检光通: 3274.97x1 lm   |                    |           |
| 灯具名称: MQG-LED-210B2  | 灯具类型: LED 4000K    | 灯具重量: N/A |
| 灯具规格: MQG-LED-210B2  | 外型尺寸: 595*595*45MM | 测试编号: 101 |
| 制造厂商:  | 发光口面: 0.56*0.55    | 遮光角: N/A  |

| 光源数据      |                  | 光度数据     |        |                         |           |
|-----------|------------------|----------|--------|-------------------------|-----------|
| 型号        | 2.44.S2835.4000K | 峰值光强(cd) | 1203   | S/MH(C0/180)            | 1.22      |
| 标称功率(W)   | 28.76            | 灯具效率(%)  | 100.0  | S/MH(C90/270)           | 1.24      |
| 额定电源电压(V) | 220              | 总光通量(lm) | 3275.0 | $\eta$ UP, DN(C0-180)   | 0.1, 48.9 |
| 额定光通量(lm) | 3274.97          | CIE分类    | 直接     | $\eta$ UP, DN(C180-360) | 0.2, 50.8 |
| 灯具内光源数(只) | 1                | 上射光通比(%) | 0.3    | CIBSE SHR NOM           | 1.25      |
| 实测电源电压(V) | 220.1            | 下射光通比(%) | 99.7   | CIBSE SHR MAX           | 1.35      |



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: WEIJIE  
测试日期: 2023-12-05

$\gamma$ 角度范围: 0度 - 180度  
 $\gamma$ 角度间隔: 0.5度  
测试系统: 远方(EVERFINE)GO-2000A\_V1系统 V2.00.446  
环境湿度: 65.0%  
测试距离: 8.600米 [K=1.0000]  
备注:

## 灯具环带光通量

环带光通量:

| $\gamma$ | C0     | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma(^{\circ})$ | $\Phi$ 环 | $\Phi$ 总 | %lum, lamp |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------------------|----------|----------|------------|
| 10       | 1179   | 1177   | 1167   | 1157   | 1174   | 1170   | 1175   | 1181   | 0- 10              | 113.1    | 113.1    | 3.45, 3.45 |
| 20       | 1106   | 1106   | 1090   | 1073   | 1098   | 1094   | 1107   | 1120   | 10- 20             | 321.8    | 434.9    | 13.3, 13.3 |
| 30       | 993.8  | 995.8  | 976.2  | 952.1  | 981.1  | 978.2  | 998.4  | 1015   | 20- 30             | 482.2    | 917.1    | 28, 28     |
| 40       | 851.1  | 853.8  | 831.0  | 802.4  | 834.9  | 832.2  | 856.7  | 878.0  | 30- 40             | 573.7    | 1491     | 45.5, 45.5 |
| 50       | 685.2  | 691.3  | 666.1  | 634.3  | 666.1  | 664.9  | 692.3  | 718.4  | 40- 50             | 587.7    | 2078     | 63.5, 63.5 |
| 60       | 502.2  | 510.2  | 483.7  | 448.3  | 480.0  | 481.2  | 512.1  | 541.3  | 50- 60             | 525.2    | 2604     | 79.5, 79.5 |
| 70       | 307.7  | 316.0  | 292.2  | 252.4  | 283.5  | 287.5  | 322.1  | 350.4  | 60- 70             | 394.4    | 2998     | 91.5, 91.5 |
| 80       | 118.9  | 125.6  | 110.6  | 71.98  | 97.33  | 101.9  | 136.3  | 160.2  | 70- 80             | 217.4    | 3216     | 98.2, 98.2 |
| 90       | 0.5411 | 0.7318 | 0.2963 | 0.3030 | 0.2314 | 0.3052 | 3.465  | 8.578  | 80- 90             | 49.81    | 3265     | 99.7, 99.7 |
| 100      | 0.7486 | 0.5731 | 0.6614 | 0.6586 | 0.8278 | 0.6474 | 0.6563 | 0.5017 | 90-100             | 0.5914   | 3266     | 99.7, 99.7 |
| 110      | 0.9754 | 0.9592 | 1.064  | 1.063  | 0.9573 | 1.093  | 1.026  | 0.9249 | 100-110            | 0.8726   | 3267     | 99.8, 99.8 |
| 120      | 1.617  | 1.470  | 1.457  | 1.565  | 1.583  | 1.699  | 1.456  | 1.509  | 110-120            | 1.243    | 3268     | 99.8, 99.8 |
| 130      | 1.979  | 1.794  | 1.873  | 1.888  | 1.992  | 2.071  | 1.881  | 1.981  | 120-130            | 1.582    | 3270     | 99.8, 99.8 |
| 140      | 2.094  | 2.111  | 2.164  | 2.138  | 2.122  | 2.333  | 2.233  | 2.332  | 130-140            | 1.588    | 3271     | 99.9, 99.9 |
| 150      | 2.380  | 2.400  | 2.367  | 2.355  | 2.423  | 2.541  | 2.644  | 2.628  | 140-150            | 1.467    | 3273     | 99.9, 99.9 |
| 160      | 2.769  | 2.778  | 2.649  | 2.649  | 2.733  | 2.702  | 2.838  | 2.890  | 150-160            | 1.204    | 3274     | 100, 100   |
| 170      | 3.121  | 2.954  | 2.973  | 2.903  | 3.043  | 2.910  | 3.019  | 3.040  | 160-170            | 0.8119   | 3275     | 100, 100   |
| 180      | 3.190  | 3.021  | 3.111  | 3.061  | 3.195  | 3.012  | 3.098  | 3.093  | 170-180            | 0.2880   | 3275     | 100, 100   |
| 单位:°     | 光强:cd  |        |        |        |        |        |        |        |                    | 单位:lm    |          |            |

锥面光通量(90度): 1787.8 lm

%lum = 54.6%

%lamp = 54.6%

锥面光通量(120度): 2603.7 lm

%lum = 79.5%

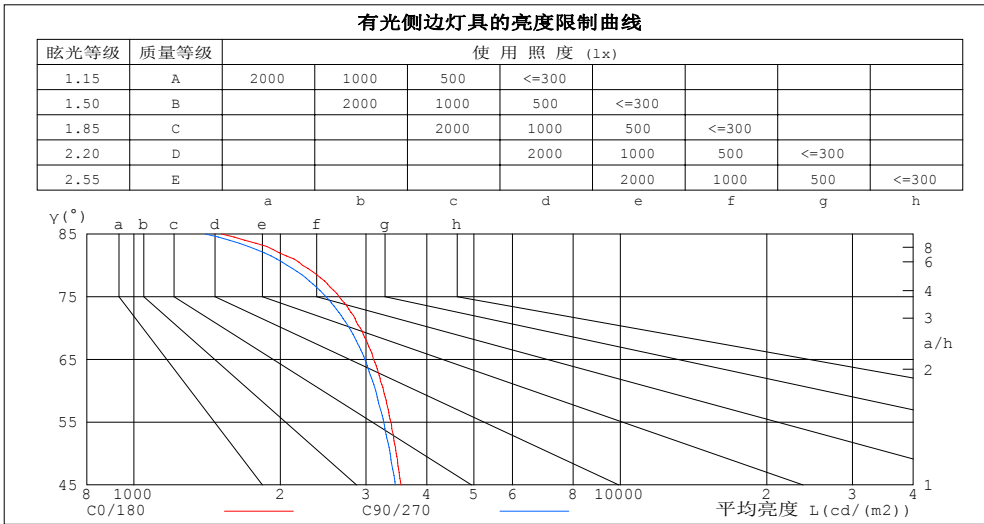
%lamp = 79.5%

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: WEIJIE  
 测试日期: 2023-12-05

$\gamma$ 角度范围: 0度 - 180度  
 $\gamma$ 角度间隔: 0.5度  
 测试系统: 远方(EVERFINE)GO-2000A\_V1系统 V2.00.446  
 环境湿度: 65.0%  
 测试距离: 8.600米 [K=1.0000]  
 备注:

### 灯具亮度限制曲线

|  |                    |           |
|--|--------------------|-----------|
| 实测参数: U:219.90V I:0.1330A P:28.760W PF:0.9760 Freq:50.00Hz<br>实检光通: 3274.97x1 lm |                    |           |
| 灯具名称: MQG-LED-210B2  | 灯具类型: LED 4000K    | 灯具重量: N/A |
| 灯具规格: MQG-LED-210B2  | 外型尺寸: 595*595*45MM | 测试编号: 101 |
| 制造厂商:  | 发光口面: 0.56*0.55    | 遮光角: N/A  |



| 平均亮度值 cd/(m2) |        |         |
|---------------|--------|---------|
| γ(°)          | C0/180 | C90/270 |
| 85            | 1514   | 1402    |
| 80            | 2223   | 2067    |
| 75            | 2644   | 2482    |
| 70            | 2921   | 2774    |
| 65            | 3109   | 2985    |
| 60            | 3261   | 3141    |
| 55            | 3377   | 3263    |
| 50            | 3461   | 3364    |
| 45            | 3538   | 3447    |

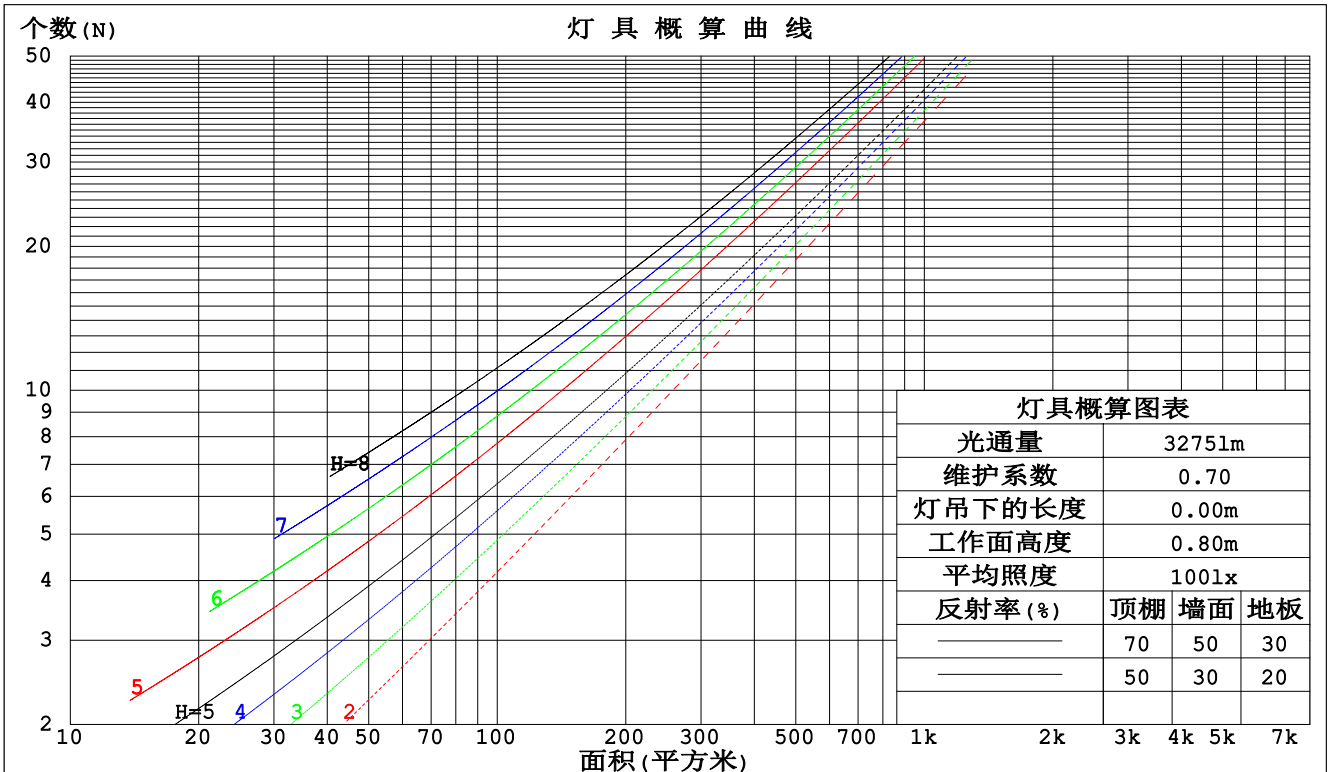
C角度范围: 0度 - 360度  
 C角度间隔: 30.0度  
 测试速度: 快速  
 环境温度: 25.3℃  
 测试人员: WEIJIE  
 测试日期: 2023-12-05

γ角度范围: 0度 - 180度  
 γ角度间隔: 0.5度  
 测试系统: 远方(EVERFINE)GO-2000A\_V1系统 V2.00.446  
 环境湿度: 65.0%  
 测试距离: 8.600米 [K=1.0000]  
 备注:

### 工作面利用系数和灯具概算曲线

|  |                    |           |
|--|--------------------|-----------|
| 实测参数: U:219.90V I:0.1330A P:28.760W PF:0.9760 Freq:50.00Hz<br>实检光通: 3274.97x1 lm |                    |           |
| 灯具名称: MQG-LED-210B2  | 灯具类型: LED 4000K    | 灯具重量: N/A |
| 灯具规格: MQG-LED-210B2  | 外型尺寸: 595*595*45MM | 测试编号: 101 |
| 制造厂商:  | 发光口面: 0.56*0.55    | 遮光角: N/A  |

| 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  | 1.19    | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | .00 |
| 1.0  | 1.04    | .00  | .96  | 1.02 | .98  | .95  | .98  | .94  | .92  | .94  | .91  | .89  | .90  | .88  | .86  | .84 |
| 2.0  | .91     | .84  | .78  | .89  | .83  | .77  | .85  | .80  | .76  | .82  | .78  | .74  | .79  | .75  | .72  | .70 |
| 3.0  | .80     | .72  | .65  | .78  | .71  | .65  | .75  | .69  | .63  | .72  | .67  | .62  | .70  | .65  | .61  | .59 |
| 4.0  | .71     | .62  | .55  | .69  | .61  | .55  | .67  | .60  | .54  | .65  | .58  | .53  | .62  | .57  | .53  | .50 |
| 5.0  | .63     | .54  | .48  | .62  | .54  | .47  | .60  | .53  | .47  | .58  | .51  | .46  | .56  | .50  | .46  | .44 |
| 6.0  | .57     | .48  | .42  | .56  | .48  | .41  | .54  | .47  | .41  | .52  | .46  | .41  | .51  | .45  | .40  | .38 |
| 7.0  | .52     | .43  | .37  | .51  | .43  | .37  | .49  | .42  | .36  | .48  | .41  | .36  | .46  | .40  | .36  | .34 |
| 8.0  | .47     | .39  | .33  | .46  | .38  | .33  | .45  | .38  | .33  | .44  | .37  | .32  | .43  | .37  | .32  | .30 |
| 9.0  | .43     | .35  | .30  | .43  | .35  | .29  | .42  | .34  | .29  | .40  | .34  | .29  | .39  | .33  | .29  | .27 |
| 10.0 | .40     | .32  | .27  | .39  | .32  | .27  | .38  | .31  | .27  | .37  | .31  | .26  | .37  | .31  | .26  | .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: WEIJIE  
 测试日期: 2023-12-05

γ角度范围: 0度 - 180度  
 γ角度间隔: 0.5度  
 测试系统: 远方 (EVERFINE) GO-2000A\_V1系统 V2.00.446  
 环境湿度: 65.0%  
 测试距离: 8.600米 [K=1.0000]  
 备注:

## 墙面和天花板利用系数

|  |                    |           |
|--|--------------------|-----------|
| 实测参数: U:219.90V I:0.1330A P:28.760W PF:0.9760 Freq:50.00Hz |                    |           |
| 实检光通: 3274.97x1 lm   |                    |           |
| 灯具名称: MQG-LED-210B2  | 灯具类型: LED 4000K    | 灯具重量: N/A |
| 灯具规格: MQG-LED-210B2  | 外型尺寸: 595*595*45MM | 测试编号: 101 |
| 制造厂商:  | 发光口面: 0.56*0.55    | 遮光角: N/A  |

| 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  | .303    | .172 | .055 | .296 | .169 | .054 | .282 | .162 | .052 | .270 | .156 | .050 | .259 | .150 | .048 |   |
| 2.0  | .287    | .157 | .048 | .281 | .155 | .048 | .269 | .149 | .046 | .258 | .145 | .045 | .248 | .140 | .044 |   |
| 3.0  | .266    | .142 | .042 | .261 | .140 | .042 | .250 | .136 | .041 | .241 | .132 | .040 | .232 | .128 | .040 |   |
| 4.0  | .246    | .128 | .038 | .241 | .126 | .037 | .232 | .123 | .037 | .224 | .120 | .036 | .216 | .117 | .036 |   |
| 5.0  | .228    | .116 | .034 | .224 | .115 | .033 | .215 | .112 | .033 | .208 | .110 | .033 | .201 | .107 | .032 |   |
| 6.0  | .212    | .106 | .030 | .208 | .105 | .030 | .201 | .103 | .030 | .194 | .101 | .030 | .187 | .099 | .029 |   |
| 7.0  | .197    | .098 | .028 | .194 | .097 | .028 | .187 | .095 | .027 | .181 | .093 | .027 | .175 | .091 | .027 |   |
| 8.0  | .184    | .090 | .025 | .181 | .089 | .025 | .175 | .088 | .025 | .170 | .086 | .025 | .165 | .085 | .025 |   |
| 9.0  | .173    | .084 | .023 | .170 | .083 | .023 | .165 | .081 | .023 | .160 | .080 | .023 | .155 | .079 | .023 |   |
| 10.0 | .163    | .078 | .022 | .160 | .077 | .022 | .155 | .076 | .021 | .151 | .075 | .021 | .147 | .074 | .021 |   |

| 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  | .193    | .193 | .193 | .165 | .165 | .165 | .112 | .112 | .112 | .065 | .065 | .065 | .021 | .021 | .021 |   |
| 1.0  | .182    | .158 | .137 | .156 | .136 | .118 | .107 | .094 | .082 | .061 | .054 | .047 | .020 | .017 | .015 |   |
| 2.0  | .174    | .134 | .101 | .149 | .116 | .087 | .102 | .080 | .061 | .059 | .046 | .036 | .019 | .015 | .012 |   |
| 3.0  | .166    | .117 | .077 | .142 | .101 | .067 | .098 | .070 | .047 | .056 | .041 | .028 | .018 | .013 | .009 |   |
| 4.0  | .158    | .103 | .061 | .136 | .089 | .053 | .094 | .062 | .037 | .054 | .036 | .022 | .017 | .012 | .007 |   |
| 5.0  | .151    | .093 | .050 | .130 | .080 | .043 | .089 | .056 | .031 | .052 | .033 | .018 | .017 | .011 | .006 |   |
| 6.0  | .144    | .084 | .042 | .124 | .073 | .036 | .085 | .051 | .026 | .050 | .030 | .015 | .016 | .010 | .005 |   |
| 7.0  | .137    | .078 | .036 | .118 | .067 | .031 | .082 | .047 | .022 | .047 | .028 | .013 | .015 | .009 | .004 |   |
| 8.0  | .131    | .072 | .031 | .113 | .062 | .027 | .078 | .044 | .019 | .045 | .026 | .011 | .015 | .008 | .004 |   |
| 9.0  | .125    | .067 | .028 | .107 | .058 | .024 | .074 | .041 | .017 | .043 | .024 | .010 | .014 | .008 | .003 |   |
| 10.0 | .119    | .062 | .025 | .103 | .054 | .022 | .071 | .038 | .015 | .042 | .023 | .009 | .013 | .007 | .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: WEIJIE  
 测试日期: 2023-12-05

γ角度范围: 0度 - 180度  
 γ角度间隔: 0.5度  
 测试系统: 远方(EVERFINE)GO-2000A\_V1系统 V2.00.446  
 环境湿度: 65.0%  
 测试距离: 8.600米 [K=1.0000]  
 备注:

### UGR(Unified Glare Rating)数据表

|  |                      |      |                    |      |      |                    |           |      |      |      |
|--|----------------------|------|--------------------|------|------|--------------------|-----------|------|------|------|
| 实测参数: U:219.90V I:0.1330A P:28.760W PF:0.9760 Freq:50.00Hz<br>实检光通: 3274.97x1 lm |                      |      |                    |      |      |                    |           |      |      |      |
| 灯具名称: MQG-LED-210B2  |                      |      | 灯具类型: LED 4000K    |      |      |                    | 灯具重量: N/A |      |      |      |
| 灯具规格: MQG-LED-210B2  |                      |      | 外型尺寸: 595*595*45MM |      |      |                    | 测试编号: 101 |      |      |      |
| 制造厂商:  |                      |      | 发光口面: 0.56*0.55    |      |      |                    | 遮光角: N/A  |      |      |      |
| 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  | 17.2                 | 18.7 | 17.5               | 18.9 | 19.1 | 17.0               | 18.5      | 17.3 | 18.7 | 18.9 |
| 3H   | 18.7                 | 20.1 | 19.0               | 20.3 | 20.5 | 18.5               | 19.8      | 18.8 | 20.1 | 20.3 |
| 4H   | 19.2                 | 20.6 | 19.5               | 20.8 | 21.1 | 19.0               | 20.3      | 19.3 | 20.6 | 20.8 |
| 6H   | 19.6                 | 20.8 | 19.9               | 21.1 | 21.4 | 19.3               | 20.6      | 19.7 | 20.9 | 21.1 |
| 8H   | 19.7                 | 20.9 | 20.0               | 21.2 | 21.5 | 19.4               | 20.6      | 19.8 | 20.9 | 21.2 |
| 12H  | 19.7                 | 20.9 | 20.1               | 21.2 | 21.5 | 19.4               | 20.6      | 19.8 | 20.9 | 21.2 |
| 4H 2H  | 17.8                 | 19.1 | 18.1               | 19.4 | 19.6 | 17.7               | 19.0      | 18.0 | 19.2 | 19.5 |
| 3H   | 19.5                 | 20.6 | 19.8               | 20.9 | 21.2 | 19.3               | 20.4      | 19.6 | 20.7 | 21.1 |
| 4H   | 20.2                 | 21.2 | 20.5               | 21.5 | 21.9 | 20.0               | 21.0      | 20.3 | 21.3 | 21.7 |
| 6H   | 20.7                 | 21.6 | 21.1               | 21.9 | 22.3 | 20.4               | 21.3      | 20.8 | 21.7 | 22.1 |
| 8H   | 20.8                 | 21.7 | 21.2               | 22.0 | 22.4 | 20.5               | 21.4      | 21.0 | 21.8 | 22.2 |
| 12H  | 20.9                 | 21.7 | 21.3               | 22.1 | 22.5 | 20.6               | 21.4      | 21.0 | 21.8 | 22.2 |
| 8H 4H  | 20.4                 | 21.3 | 20.8               | 21.7 | 22.1 | 20.2               | 21.1      | 20.6 | 21.5 | 21.9 |
| 6H   | 21.1                 | 21.8 | 21.5               | 22.2 | 22.6 | 20.8               | 21.5      | 21.3 | 22.0 | 22.4 |
| 8H   | 21.3                 | 21.9 | 21.7               | 22.3 | 22.8 | 21.0               | 21.7      | 21.5 | 22.1 | 22.5 |
| 12H  | 21.4                 | 21.9 | 21.9               | 22.4 | 22.9 | 21.1               | 21.7      | 21.6 | 22.1 | 22.6 |
| 12H 4H   | 20.4                 | 21.2 | 20.9               | 21.6 | 22.0 | 20.2               | 21.0      | 20.7 | 21.4 | 21.8 |
| 6H   | 21.1                 | 21.7 | 21.6               | 22.2 | 22.6 | 20.9               | 21.5      | 21.3 | 21.9 | 22.4 |
| 8H   | 21.4                 | 21.9 | 21.8               | 22.4 | 22.8 | 21.1               | 21.7      | 21.6 | 22.1 | 22.6 |
| 不同间隔布灯时, 观察者位置引起的UGR变化(CIE Pub.117):   |                      |      |                    |      |      |                    |           |      |      |      |
| S = 1.0H   | + 0.2 / - 0.2        |      |                    |      |      | + 0.2 / - 0.2      |           |      |      |      |
| 1.5H   | + 0.2 / - 0.3        |      |                    |      |      | + 0.2 / - 0.3      |           |      |      |      |
| 2.0H   | + 0.2 / - 0.3        |      |                    |      |      | + 0.2 / - 0.3      |           |      |      |      |

依据CIE Pub.117计算, 3275lm光源光通, 表格已经进行修正(8log(F/F0) = 4.1).  
 出光口面积: 0.308 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: WEIJIE  
 测试日期: 2023-12-05

γ角度范围: 0度 - 180度  
 γ角度间隔: 0.5度  
 测试系统: 远方(EVERFINE)GO-2000A\_V1系统 V2.00.446  
 环境湿度: 65.0%  
 测试距离: 8.600米 [K=1.0000]  
 备注:

## UF利用系数表

|  |                    |           |
|--|--------------------|-----------|
| 实测参数: U:219.90V I:0.1330A P:28.760W PF:0.9760 Freq:50.00Hz<br>实检光通: 3274.97x1 lm |                    |           |
| 灯具名称: MQG-LED-210B2  | 灯具类型: LED 4000K    | 灯具重量: N/A |
| 灯具规格: MQG-LED-210B2  | 外型尺寸: 595*595*45MM | 测试编号: 101 |
| 制造厂商:  | 发光口面: 0.56*0.55    | 遮光角: N/A  |

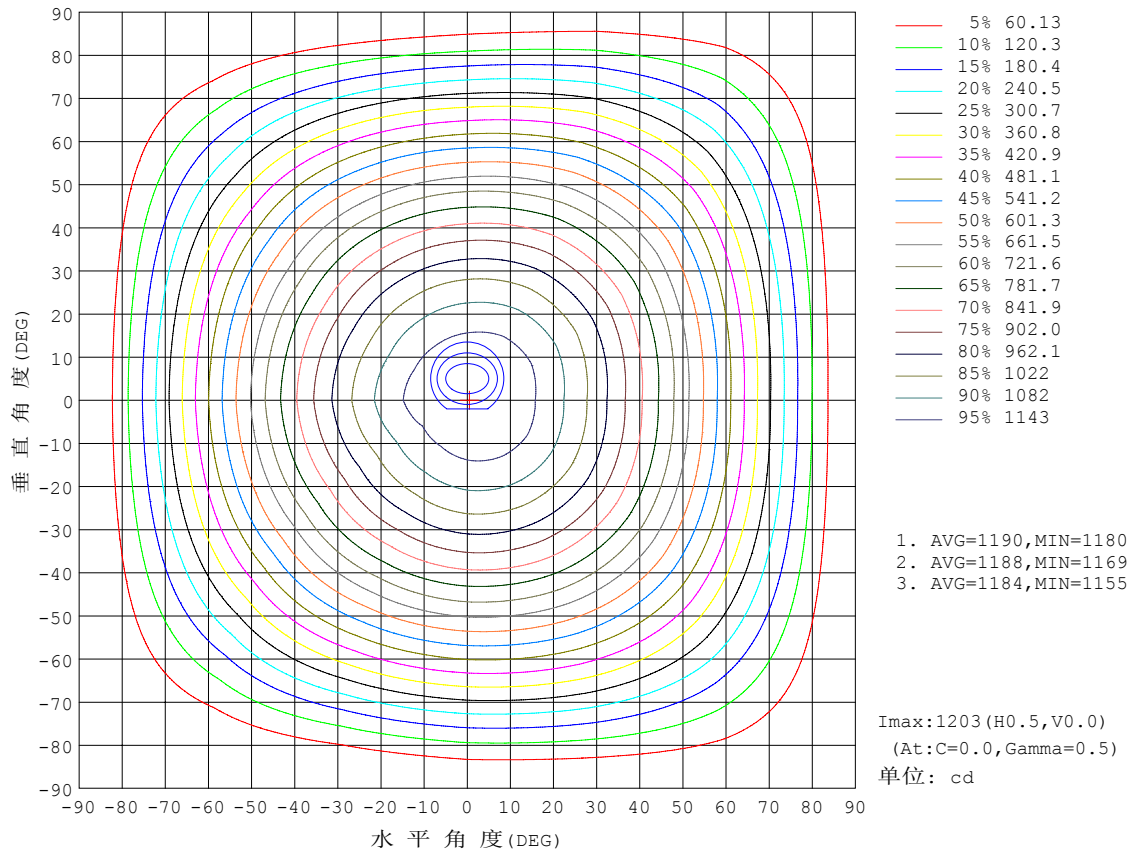
| 反 射 比 / REFLECTANCE        |   |     |     |     |     |                    |     |     |     |         |
|----------------------------|---|-----|-----|-----|-----|--------------------|-----|-----|-----|---------|
| 天花板                        | 0.8   | 0.8 | 0.8 | 0.7 | 0.7 | 0.7                | 0.5 | 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 (%) $k(RI) \times RCR = 5$ |     |     |     |     |                    |     |     |     |         |
| $k = 0.60$                 | 58  | 47  | 40  | 57  | 46  | 39                 | 56  | 46  | 39  | 33      |
| 0.80                       | 68  | 57  | 49  | 67  | 56  | 49                 | 65  | 55  | 49  | 42      |
| 1.00                       | 76  | 65  | 58  | 75  | 65  | 58                 | 73  | 66  | 57  | 50      |
| 1.25                       | 84  | 73  | 66  | 82  | 72  | 66                 | 79  | 71  | 65  | 58      |
| 1.50                       | 89  | 79  | 72  | 87  | 78  | 71                 | 84  | 76  | 70  | 63      |
| 2.00                       | 95  | 87  | 81  | 93  | 86  | 80                 | 90  | 83  | 78  | 70      |
| 2.50                       | 99  | 92  | 86  | 97  | 90  | 85                 | 93  | 87  | 83  | 74      |
| 3.00                       | 103   | 96  | 90  | 100 | 94  | 89                 | 96  | 91  | 87  | 79      |
| 4.00                       | 106   | 101 | 96  | 104 | 99  | 95                 | 100 | 96  | 92  | 83      |
| 5.00                       | 109   | 104 | 100 | 106 | 102 | 99                 | 102 | 98  | 95  | 86      |
| 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 SHRNM = 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: WEIJIE  
 测试日期: 2023-12-05

γ角度范围: 0度 - 180度  
 γ角度间隔: 0.5度  
 测试系统: 远方 (EVERFINE) GO-2000A\_V1系统 V2.00.446  
 环境湿度: 65.0%  
 测试距离: 8.600米 [K=1.0000]  
 备注:

## 灯具等光强曲线

|  |                    |           |
|--|--------------------|-----------|
| 实测参数: U:219.90V I:0.1330A P:28.760W PF:0.9760 Freq:50.00Hz<br>实检光通: 3274.97x1 lm |                    |           |
| 灯具名称: MQG-LED-210B2  | 灯具类型: LED 4000K    | 灯具重量: N/A |
| 灯具规格: MQG-LED-210B2  | 外型尺寸: 595*595*45MM | 测试编号: 101 |
| 制造厂商:  | 发光口面: 0.56*0.55    | 遮光角: N/A  |



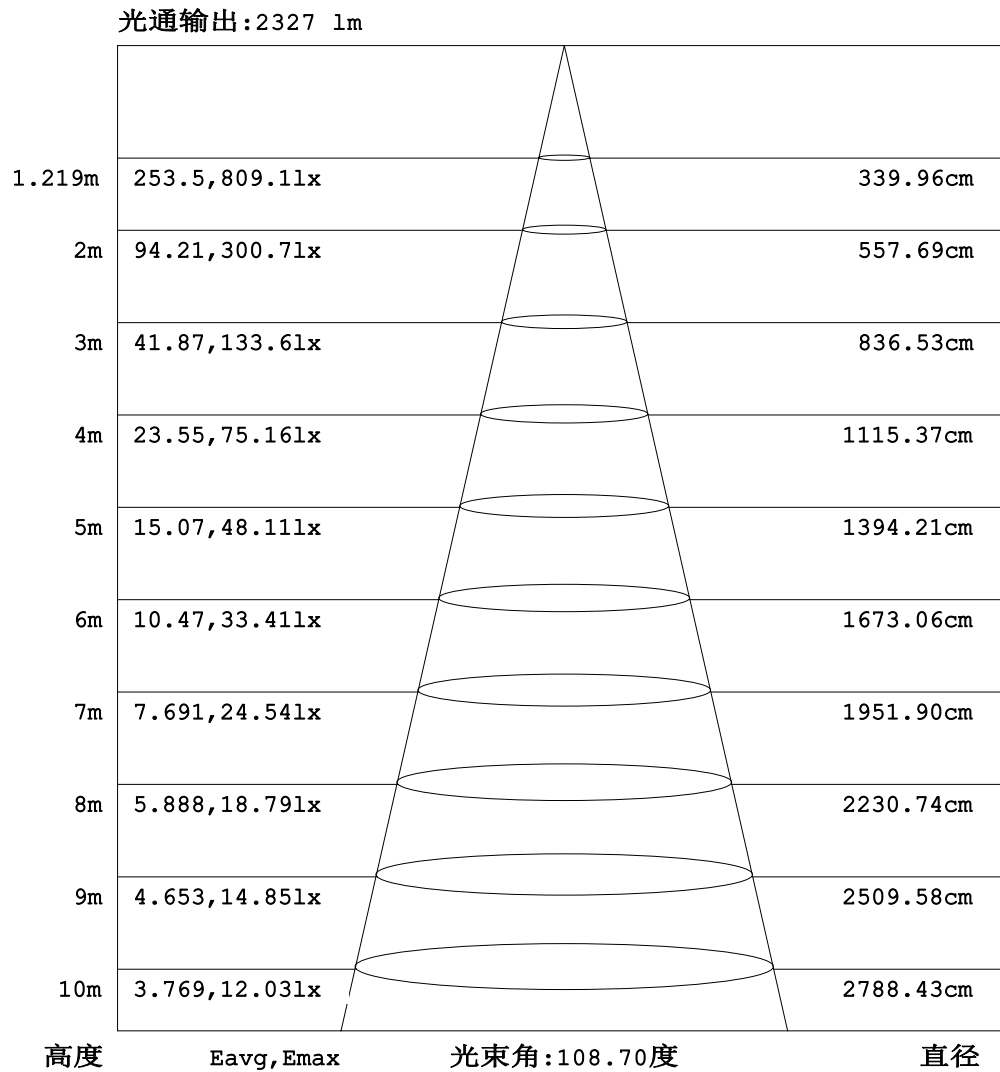
C角度范围: 0度 - 360度  
C角度间隔: 30.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: WEIJIE  
测试日期: 2023-12-05

γ角度范围: 0度 - 180度  
γ角度间隔: 0.5度  
测试系统: 远方 (EVERFINE) GO-2000A\_V1系统 V2.00.446  
环境湿度: 65.0%  
测试距离: 8.600米 [K=1.0000]  
备注:



## 灯具有效平均照度图

|  |                    |           |
|--|--------------------|-----------|
| 实测参数: U:219.90V I:0.1330A P:28.760W PF:0.9760 Freq:50.00Hz<br>实检光通: 3274.97x1 lm |                    |           |
| 灯具名称: MQG-LED-210B2  | 灯具类型: LED 4000K    | 灯具重量: N/A |
| 灯具规格: MQG-LED-210B2  | 外型尺寸: 595*595*45MM | 测试编号: 101 |
| 制造厂商:  | 发光口面: 0.56*0.55    | 遮光角: N/A  |



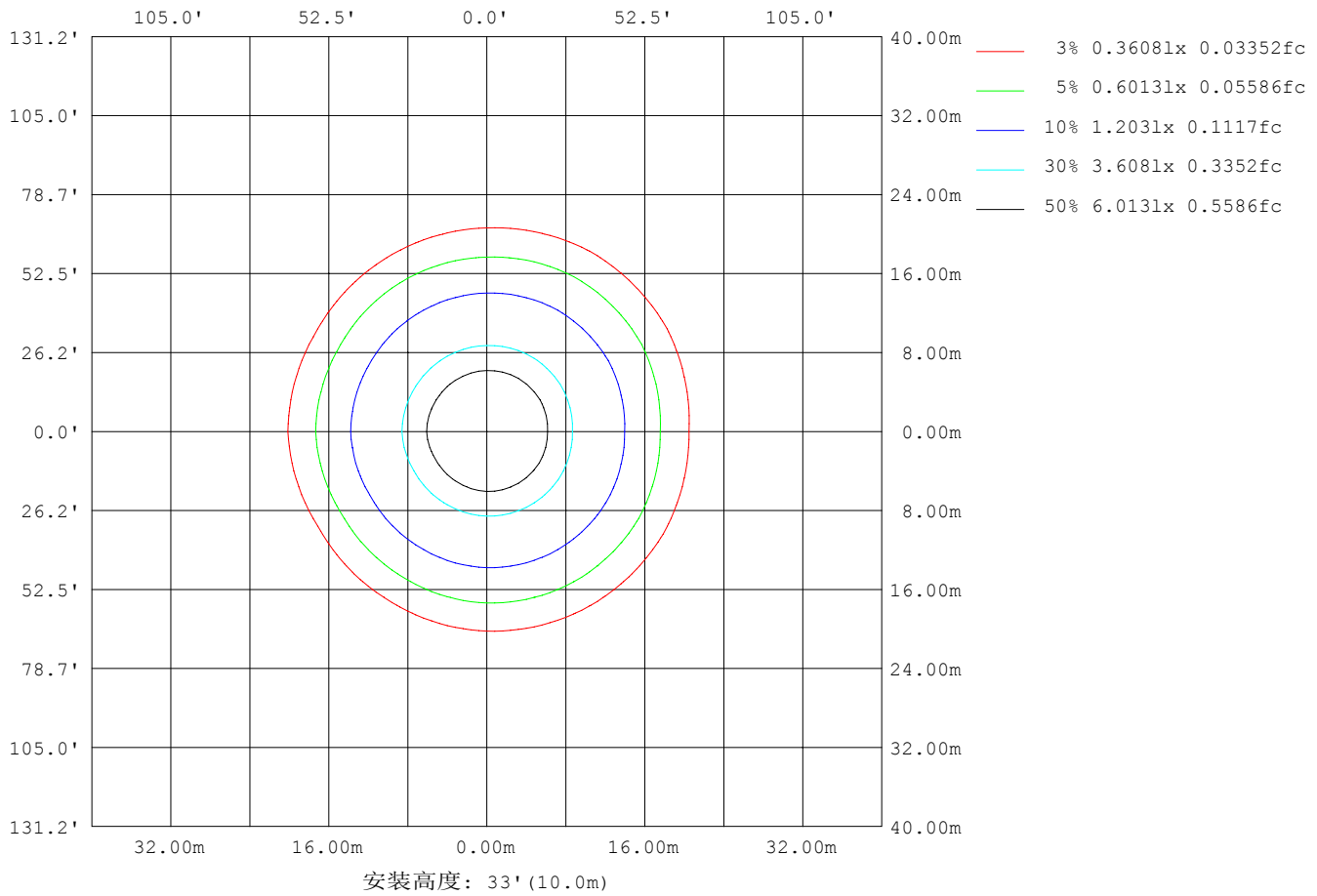
注: 曲线为灯具在不同投射距离下的照射区域及区域内平均照度。

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: WEIJIE  
测试日期: 2023-12-05

γ角度范围: 0度 - 180度  
γ角度间隔: 0.5度  
测试系统: 远方 (EVERFINE) GO-2000A\_V1系统 V2.00.446  
环境湿度: 65.0%  
测试距离: 8.600米 [K=1.0000]  
备注:

## 平面等照度曲线

|  |                    |           |
|--|--------------------|-----------|
| 实测参数: U:219.90V I:0.1330A P:28.760W PF:0.9760 Freq:50.00Hz<br>实检光通: 3274.97x1 lm |                    |           |
| 灯具名称: MQG-LED-210B2  | 灯具类型: LED 4000K    | 灯具重量: N/A |
| 灯具规格: MQG-LED-210B2  | 外型尺寸: 595*595*45MM | 测试编号: 101 |
| 制造厂商:  | 发光口面: 0.56*0.55    | 遮光角: N/A  |



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: WEIJIE  
测试日期: 2023-12-05

Y角度范围: 0度 - 180度  
Y角度间隔: 0.5度  
测试系统: 远方 (EVERFINE) GO-2000A\_V1系统 V2.00.446  
环境湿度: 65.0%  
测试距离: 8.600米 [K=1.0000]  
备注:

## LED筒灯平均亮度报告

|  |                    |           |
|--|--------------------|-----------|
| 实测参数: U:219.90V I:0.1330A P:28.760W PF:0.9760 Freq:50.00Hz<br>实检光通: 3274.97x1 lm |                    |           |
| 灯具名称: MQG-LED-210B2  | 灯具类型:LED 4000K     | 灯具重量: N/A |
| 灯具规格: MQG-LED-210B2  | 外型尺寸: 595*595*45MM | 测试编号: 101 |
| 制造厂商:  | 发光口面: 0.56*0.55    | 遮光角: N/A  |

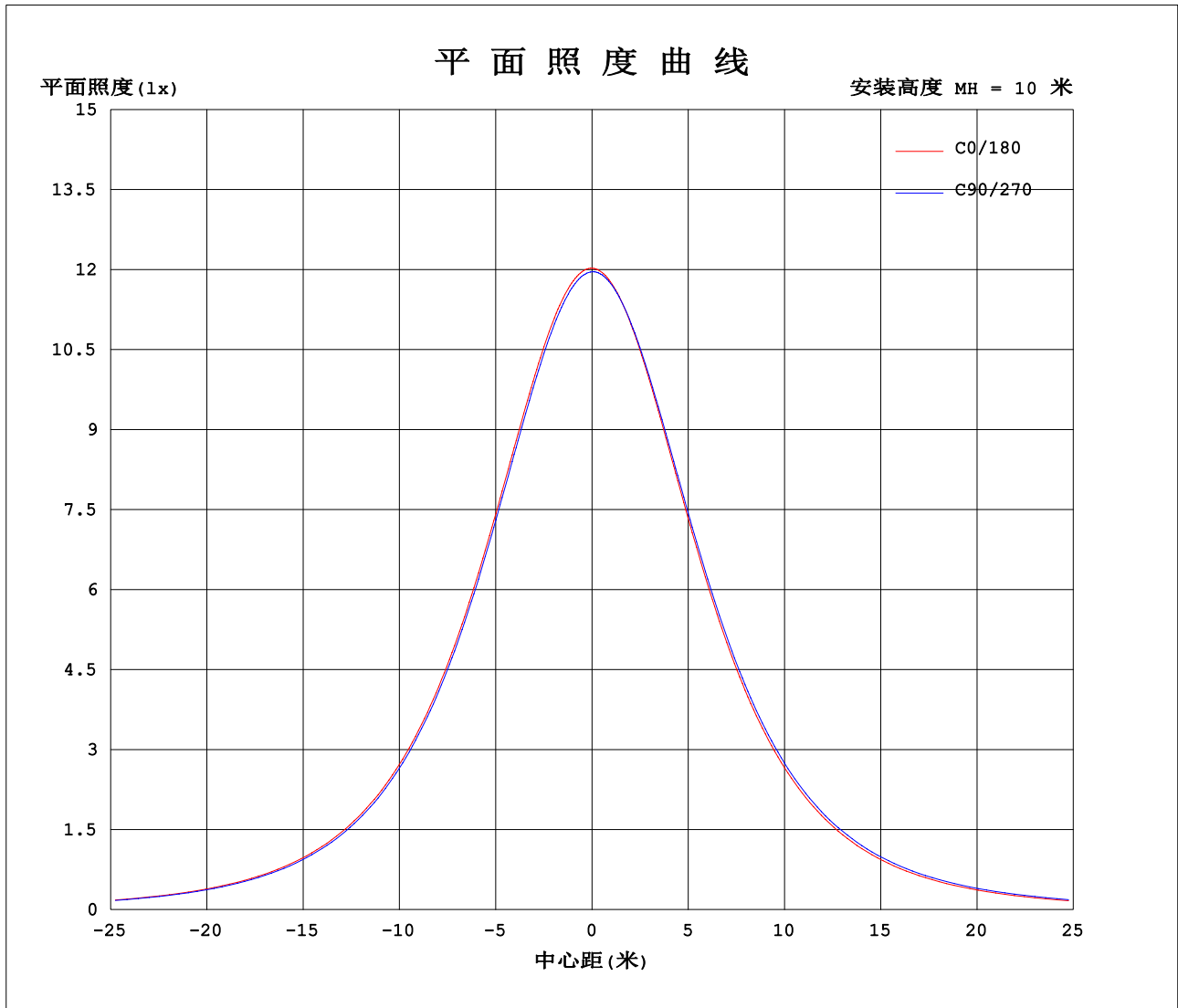
| 平均亮度      | 数值(cd/m2) |
|-----------|-----------|
| L横(65)av  | 3024      |
| L横(75)av  | 2492      |
| L横(85)av  | 1195      |
| L纵(65)av  | 3096      |
| L纵(75)av  | 2667      |
| L纵(85)av  | 1787      |
| L45(65)av | 3071      |
| L45(75)av | 2575      |
| L45(85)av | 1445      |

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: WEIJIE  
测试日期: 2023-12-05

γ角度范围: 0度 - 180度  
γ角度间隔: 0.5度  
测试系统: 远方(EVERFINE)GO-2000A\_V1系统 V2.00.446  
环境湿度: 65.0%  
测试距离: 8.600米 [K=1.0000]  
备注:

## 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: WEIJIE  
测试日期: 2023-12-05

γ角度范围: 0度 - 180度  
γ角度间隔: 0.5度  
测试系统: 远方 (EVERFINE) GO-2000A\_V1系统 V2.00.446  
环境湿度: 65.0%  
测试距离: 8.600米 [K=1.0000]  
备注:

### 光强分布数据表格

|  |                    |           |
|--|--------------------|-----------|
| 实测参数: U:219.90V I:0.1330A P:28.760W PF:0.9760 Freq:50.00Hz<br>实检光通: 3274.97x1 lm |                    |           |
| 灯具名称: MQG-LED-210B2  | 灯具类型: LED 4000K    | 灯具重量: N/A |
| 灯具规格: MQG-LED-210B2  | 外型尺寸: 595*595*45MM | 测试编号: 101 |
| 制造厂商:  | 发光口面: 0.56*0.55    | 遮光角: N/A  |

表--1

单位: cd

| C (DEG) \ γ (DEG) | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |  |  |  |  |  |  |  |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|
| 0                 | 1203 | 1200 | 1198 | 1196 | 1194 | 1194 | 1203 | 1200 | 1198 | 1196 | 1194 | 1194 |  |  |  |  |  |  |  |
| 5                 | 1197 | 1196 | 1192 | 1187 | 1182 | 1181 | 1195 | 1191 | 1191 | 1192 | 1194 | 1194 |  |  |  |  |  |  |  |
| 10                | 1179 | 1179 | 1174 | 1167 | 1158 | 1156 | 1174 | 1169 | 1171 | 1175 | 1181 | 1182 |  |  |  |  |  |  |  |
| 15                | 1148 | 1151 | 1144 | 1134 | 1122 | 1119 | 1142 | 1136 | 1140 | 1147 | 1156 | 1156 |  |  |  |  |  |  |  |
| 20                | 1106 | 1110 | 1102 | 1090 | 1075 | 1071 | 1098 | 1092 | 1097 | 1107 | 1119 | 1120 |  |  |  |  |  |  |  |
| 25                | 1054 | 1059 | 1051 | 1038 | 1019 | 1014 | 1044 | 1036 | 1044 | 1057 | 1071 | 1072 |  |  |  |  |  |  |  |
| 30                | 994  | 1001 | 990  | 976  | 954  | 950  | 981  | 973  | 983  | 998  | 1015 | 1016 |  |  |  |  |  |  |  |
| 35                | 925  | 932  | 923  | 906  | 883  | 877  | 911  | 904  | 914  | 931  | 950  | 952  |  |  |  |  |  |  |  |
| 40                | 851  | 858  | 849  | 831  | 806  | 798  | 835  | 826  | 838  | 857  | 878  | 878  |  |  |  |  |  |  |  |
| 45                | 771  | 780  | 769  | 751  | 724  | 717  | 753  | 744  | 758  | 777  | 800  | 801  |  |  |  |  |  |  |  |
| 50                | 685  | 697  | 685  | 666  | 638  | 630  | 666  | 657  | 672  | 692  | 718  | 719  |  |  |  |  |  |  |  |
| 55                | 597  | 608  | 597  | 577  | 547  | 538  | 575  | 566  | 583  | 604  | 631  | 631  |  |  |  |  |  |  |  |
| 60                | 502  | 517  | 504  | 484  | 453  | 443  | 480  | 471  | 491  | 512  | 541  | 541  |  |  |  |  |  |  |  |
| 65                | 405  | 420  | 409  | 389  | 357  | 346  | 382  | 375  | 395  | 418  | 447  | 447  |  |  |  |  |  |  |  |
| 70                | 308  | 320  | 312  | 292  | 259  | 245  | 284  | 277  | 298  | 322  | 351  | 350  |  |  |  |  |  |  |  |
| 75                | 211  | 223  | 214  | 198  | 164  | 151  | 186  | 181  | 202  | 227  | 254  | 254  |  |  |  |  |  |  |  |
| 80                | 119  | 129  | 122  | 111  | 77.7 | 66.2 | 97.3 | 91.2 | 113  | 136  | 161  | 159  |  |  |  |  |  |  |  |
| 85                | 40.6 | 48.3 | 43.2 | 37.6 | 11.1 | 5.94 | 23.5 | 17.3 | 35.3 | 58.3 | 77.1 | 73.1 |  |  |  |  |  |  |  |
| 90                | 0.54 | 1.16 | 0.30 | 0.30 | 0.29 | 0.31 | 0.23 | 0.30 | 0.31 | 3.47 | 8.72 | 8.44 |  |  |  |  |  |  |  |
| 95                | 0.30 | 0.36 | 0.36 | 0.53 | 0.40 | 0.58 | 0.42 | 0.46 | 0.46 | 0.42 | 0.33 | 0.30 |  |  |  |  |  |  |  |
| 100               | 0.75 | 0.65 | 0.49 | 0.66 | 0.55 | 0.76 | 0.83 | 0.72 | 0.58 | 0.66 | 0.49 | 0.52 |  |  |  |  |  |  |  |
| 105               | 0.94 | 0.83 | 0.71 | 0.85 | 0.85 | 0.85 | 0.97 | 0.93 | 0.85 | 0.82 | 0.63 | 0.72 |  |  |  |  |  |  |  |
| 110               | 0.98 | 0.88 | 1.04 | 1.06 | 1.10 | 1.02 | 0.96 | 1.01 | 1.17 | 1.03 | 1.04 | 0.81 |  |  |  |  |  |  |  |
| 115               | 1.09 | 1.17 | 1.26 | 1.27 | 1.31 | 1.39 | 1.11 | 1.41 | 1.38 | 1.25 | 1.28 | 1.09 |  |  |  |  |  |  |  |
| 120               | 1.62 | 1.48 | 1.46 | 1.46 | 1.52 | 1.61 | 1.58 | 1.77 | 1.63 | 1.46 | 1.48 | 1.53 |  |  |  |  |  |  |  |
| 125               | 1.90 | 1.61 | 1.69 | 1.73 | 1.71 | 1.73 | 1.95 | 1.99 | 1.83 | 1.71 | 1.79 | 1.76 |  |  |  |  |  |  |  |
| 130               | 1.98 | 1.74 | 1.84 | 1.87 | 1.86 | 1.92 | 1.99 | 2.14 | 2.00 | 1.88 | 1.97 | 1.99 |  |  |  |  |  |  |  |
| 135               | 1.96 | 1.94 | 1.99 | 2.02 | 1.98 | 2.08 | 1.98 | 2.24 | 2.12 | 2.06 | 2.16 | 2.12 |  |  |  |  |  |  |  |
| 140               | 2.09 | 2.08 | 2.14 | 2.16 | 2.09 | 2.18 | 2.12 | 2.30 | 2.37 | 2.23 | 2.41 | 2.26 |  |  |  |  |  |  |  |
| 145               | 2.21 | 2.23 | 2.28 | 2.25 | 2.20 | 2.27 | 2.25 | 2.41 | 2.53 | 2.45 | 2.63 | 2.36 |  |  |  |  |  |  |  |
| 150               | 2.38 | 2.37 | 2.43 | 2.37 | 2.33 | 2.38 | 2.42 | 2.45 | 2.64 | 2.64 | 2.73 | 2.53 |  |  |  |  |  |  |  |
| 155               | 2.56 | 2.65 | 2.58 | 2.51 | 2.48 | 2.53 | 2.58 | 2.55 | 2.72 | 2.74 | 2.81 | 2.73 |  |  |  |  |  |  |  |
| 160               | 2.77 | 2.86 | 2.70 | 2.65 | 2.63 | 2.67 | 2.73 | 2.61 | 2.80 | 2.84 | 2.91 | 2.87 |  |  |  |  |  |  |  |
| 165               | 2.94 | 3.00 | 2.79 | 2.83 | 2.80 | 2.76 | 2.91 | 2.70 | 2.94 | 2.89 | 2.97 | 3.00 |  |  |  |  |  |  |  |
| 170               | 3.12 | 3.04 | 2.87 | 2.97 | 2.90 | 2.91 | 3.04 | 2.83 | 2.99 | 3.02 | 2.98 | 3.10 |  |  |  |  |  |  |  |
| 175               | 3.19 | 3.01 | 2.94 | 3.01 | 2.94 | 2.96 | 3.17 | 2.90 | 3.05 | 3.05 | 3.04 | 3.10 |  |  |  |  |  |  |  |
| 180               | 3.19 | 3.00 | 3.05 | 3.11 | 3.06 | 3.07 | 3.19 | 2.97 | 3.06 | 3.10 | 3.09 | 3.10 |  |  |  |  |  |  |  |

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: WEIJIE  
 测试日期: 2023-12-05

γ角度范围: 0度 - 180度  
 γ角度间隔: 0.5度  
 测试系统: 远方 (EVERFINE) GO-2000A\_V1系统 V2.00.446  
 环境湿度: 65.0%  
 测试距离: 8.600米 [K=1.0000]  
 备注: