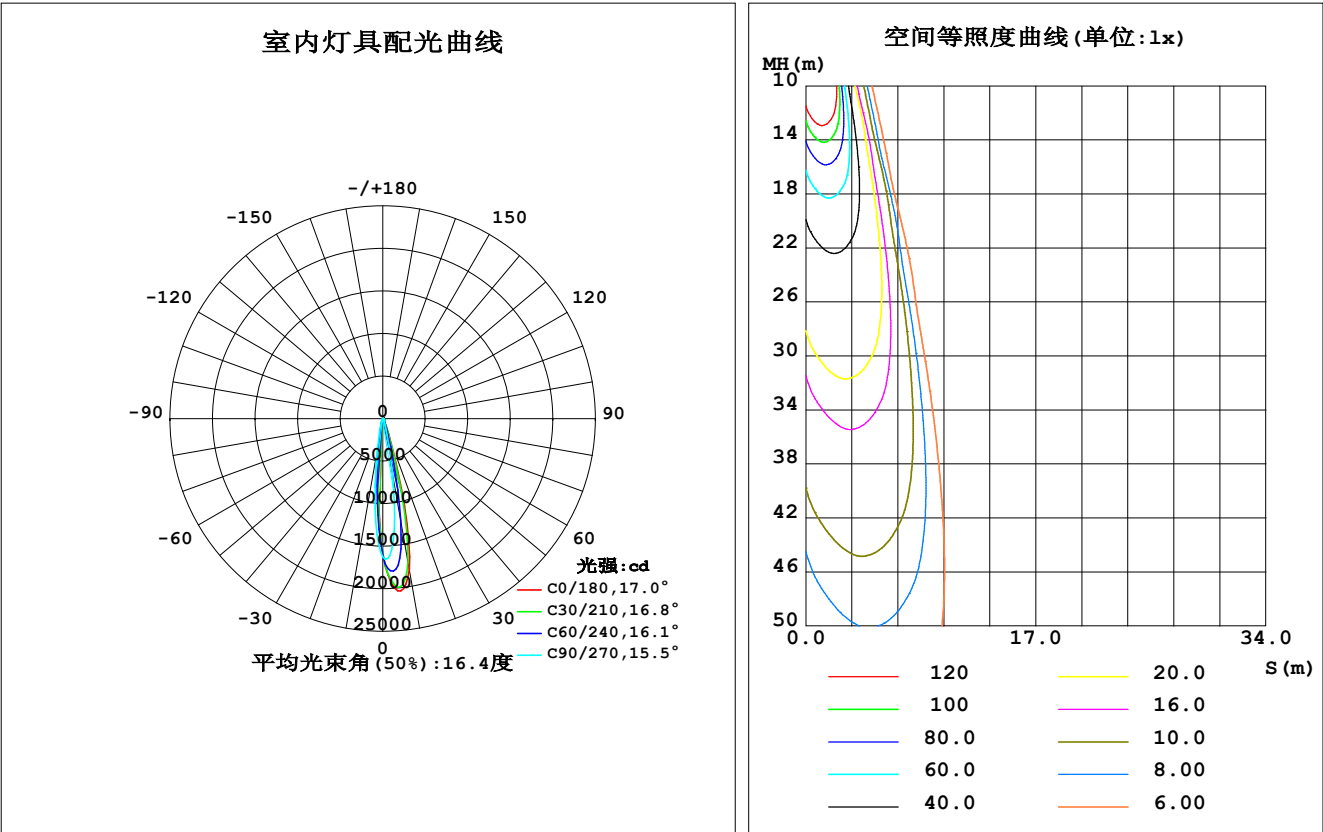


室内灯具光度数据

|   |              |        |
|---|--------------|--------|
| 实测参数: U:219.3V I:0.1323A P:27.87W PF:0.9605 实检光通:2327.24x1 lm |              |        |
| 灯具名称: 2.4吋飛旋_30W  | 灯具类型:KD      | 灯具重量:  |
| 灯具规格:COB1205_4000K_80CRI                                      | 外型尺寸: 80*160 | 测试编号:1 |
| 制造厂商: STEMOD  | 发光口面:        | 保护角:   |

| 光源数据      |             | 光度数据     |        |                   |           | 光效: 83.52 lm/W |
|-----------|-------------|----------|--------|-------------------|-----------|----------------|
| 型号        | 3000K_80CRI | 峰值光强(cd) | 20378  | S/MH(C0/180)      | 0.14      |                |
| 标称功率(W)   | 30          | 灯具效率(%)  | 100.0  | S/MH(C90/270)     | 0.23      |                |
| 额定电源电压(V) | 220         | 总光通量(lm) | 2327.2 | η UP,DN(C0-180)   | 1.2, 60.1 |                |
| 额定光通量(lm) | 2327.24     | CIE分类    | 直接     | η UP,DN(C180-360) | 1.3, 37.4 |                |
| 灯具内光源数(只) | 1           | 上射光通比(%) | 2.5    | CIBSE SHR NOM     | 0.00      |                |
| 实测电源电压(V) | 220         | 下射光通比(%) | 97.5   | CIBSE SHR MAX     | 1.00      |                |



C角度范围: 0度 - 360度  
C角度间隔: 15.0度  
测试速度: 快速  
环境温度:25.3℃  
测试人员:LJZ  
测试日期:20201012

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-2000B\_V1系统 V2.0.287  
环境湿度:65.0%  
测试距离:5.900米 [K=1.0000]  
备注:

灯具环带光通量

环带光通量：

| γ    | C0       | C45    | C90    | C135   | C180   | C225   | C270   | C315   | γ(°)    | Φ环    | Φ总   | %lum, lamp |
|------|----------|--------|--------|--------|--------|--------|--------|--------|---------|-------|------|------------|
| 10   | 1797     | 1527   | 682.7  | 287.2  | 168.4  | 174.9  | 369.3  | 891.9  | 0- 10   | 1045  | 1045 | 44.9,44.9  |
| 20   | 232.3    | 176.7  | 83.82  | 53.72  | 39.45  | 40.07  | 63.00  | 104.2  | 10- 20  | 838.0 | 1883 | 80.9,80.9  |
| 30   | 48.45    | 40.20  | 24.98  | 15.31  | 12.89  | 13.19  | 19.11  | 26.16  | 20- 30  | 225.8 | 2109 | 90.6,90.6  |
| 40   | 14.60    | 12.34  | 7.618  | 4.423  | 4.401  | 4.708  | 5.993  | 8.159  | 30- 40  | 89.51 | 2198 | 94.4,94.4  |
| 50   | 3.910    | 3.494  | 1.524  | 1.229  | 1.912  | 1.779  | 2.040  | 2.954  | 40- 50  | 34.02 | 2232 | 95.9,95.9  |
| 60   | 1.146    | 0.9858 | 0.8962 | 0.7743 | 1.120  | 1.094  | 1.264  | 1.457  | 50- 60  | 13.86 | 2246 | 96.5,96.5  |
| 70   | 0.8278   | 0.7630 | 0.6829 | 0.6517 | 0.8166 | 0.8057 | 0.8473 | 0.9214 | 60- 70  | 9.166 | 2255 | 96.9,96.9  |
| 80   | 0.6834   | 0.6362 | 0.5761 | 0.5486 | 0.6605 | 0.6464 | 0.6797 | 0.7198 | 70- 80  | 7.517 | 2263 | 97.2,97.2  |
| 90   | 0.5608   | 0.5376 | 0.4902 | 0.4818 | 0.5171 | 0.5014 | 0.5147 | 0.5715 | 80- 90  | 6.307 | 2269 | 97.5,97.5  |
| 100  | 0.5096   | 0.4955 | 0.4805 | 0.4702 | 0.4917 | 0.4718 | 0.4611 | 0.4720 | 90-100  | 5.392 | 2274 | 97.7,97.7  |
| 110  | 0.4933   | 0.4778 | 0.4636 | 0.4649 | 0.5308 | 0.5073 | 0.4770 | 0.4639 | 100-110 | 5.054 | 2279 | 97.9,97.9  |
| 120  | 0.4967   | 0.4841 | 0.4913 | 0.5400 | 0.7712 | 0.7076 | 0.5741 | 0.5155 | 110-120 | 5.056 | 2284 | 98.2,98.2  |
| 130  | 0.6123   | 0.6276 | 0.7845 | 1.013  | 1.444  | 1.355  | 1.073  | 0.8276 | 120-130 | 6.515 | 2291 | 98.4,98.4  |
| 140  | 1.174    | 1.214  | 1.416  | 1.570  | 1.845  | 1.790  | 1.665  | 1.487  | 130-140 | 9.623 | 2301 | 98.9,98.9  |
| 150  | 1.678    | 1.676  | 1.735  | 1.807  | 2.006  | 1.944  | 1.871  | 1.803  | 140-150 | 10.58 | 2311 | 99.3,99.3  |
| 160  | 1.894    | 1.886  | 1.918  | 1.962  | 2.085  | 2.065  | 1.995  | 1.929  | 150-160 | 8.793 | 2320 | 99.7,99.7  |
| 170  | 2.033    | 2.004  | 1.957  | 1.870  | 1.861  | 1.786  | 1.911  | 1.963  | 160-170 | 5.580 | 2326 | 99.9,99.9  |
| 180  | 1.860    | 1.714  | 1.527  | 1.565  | 1.868  | 1.710  | 1.530  | 1.562  | 170-180 | 1.711 | 2327 | 100,100    |
| 单位:° | 光强:×10cd |        |        |        |        |        |        |        |         | 单位:lm |      |            |

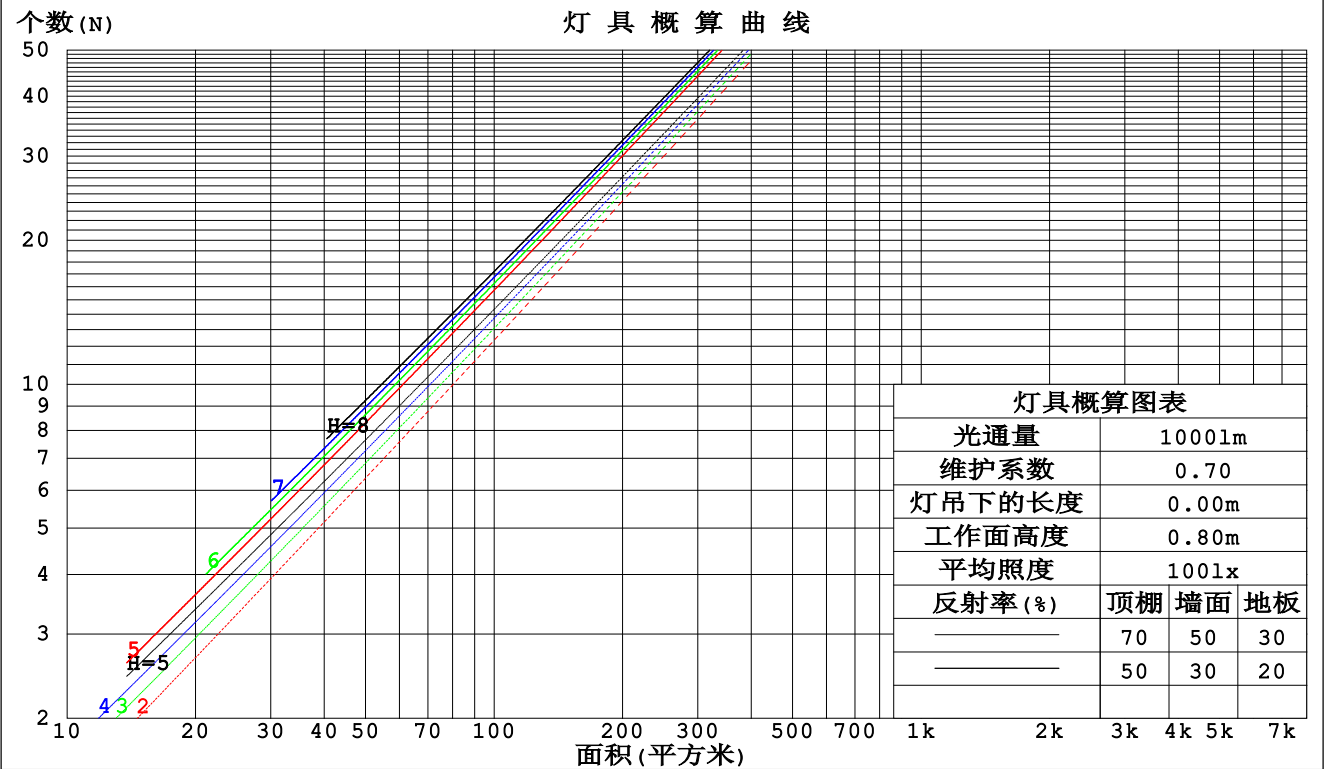
C角度范围: 0度 - 360度  
C角度间隔: 15.0度  
测试速度: 快速  
环境温度:25.3℃  
测试人员:LJZ  
测试日期:20201012

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-2000B\_V1系统 V2.0.287  
环境湿度:65.0%  
测试距离:5.900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:219.3V I:0.1323A P:27.87W PF:0.9605 实检光通:2327.24x1 lm |              |        |
| 灯具名称: 2.4吋飛旋_30W  | 灯具类型:KD      | 灯具重量:  |
| 灯具规格:COB1205_4000K_80CRI                                      | 外型尺寸: 80*160 | 测试编号:1 |
| 制造厂商: STEMOD  | 发光口面:        | 保护角:   |

|      |               |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |
|------|---------------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
| 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  | 1.18          | 1.18 | 1.18 | 1.15 | 1.15 | 1.15 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | .00 | .00 | .00 | .97 |
| 1.0  | 1.12          | 1.10 | 1.08 | 1.10 | 1.08 | 1.07 | 1.05 | 1.04 | 1.03 | 1.01 | 1.00 | .99  | .98 | .97 | .96 | .94 |
| 2.0  | 1.07          | 1.04 | 1.01 | 1.05 | 1.02 | 1.00 | 1.02 | .99  | .98  | .98  | .97  | .95  | .95 | .94 | .93 | .91 |
| 3.0  | 1.03          | .99  | .96  | 1.01 | .98  | .95  | .98  | .96  | .93  | .96  | .93  | .92  | .93 | .92 | .90 | .89 |
| 4.0  | .99           | .95  | .92  | .98  | .94  | .91  | .95  | .92  | .90  | .93  | .91  | .89  | .91 | .89 | .87 | .86 |
| 5.0  | .95           | .91  | .88  | .94  | .91  | .88  | .92  | .89  | .87  | .91  | .88  | .86  | .89 | .87 | .85 | .84 |
| 6.0  | .92           | .88  | .85  | .92  | .88  | .85  | .90  | .87  | .84  | .89  | .86  | .84  | .87 | .85 | .83 | .82 |
| 7.0  | .90           | .86  | .83  | .89  | .85  | .83  | .88  | .84  | .82  | .86  | .84  | .81  | .85 | .83 | .81 | .80 |
| 8.0  | .87           | .83  | .81  | .87  | .83  | .80  | .86  | .82  | .80  | .85  | .82  | .80  | .84 | .81 | .79 | .78 |
| 9.0  | .85           | .81  | .79  | .85  | .81  | .78  | .84  | .80  | .78  | .83  | .80  | .78  | .82 | .79 | .77 | .76 |
| 10.0 | .83           | .79  | .77  | .83  | .79  | .77  | .82  | .79  | .76  | .81  | .78  | .76  | .80 | .78 | .76 | .75 |



C角度范围: 0度 - 360度  
C角度间隔: 15.0度  
测试速度: 快速  
环境温度:25.3℃  
测试人员:LJZ  
测试日期:20201012

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-2000B\_V1系统 V2.0.287  
环境湿度:65.0%  
测试距离:5.900米 [K=1.0000]  
备注:

墙面和天花板利用系数

|   |              |        |
|---|--------------|--------|
| 实测参数: U:219.3V I:0.1323A P:27.87W PF:0.9605 实检光通:2327.24x1 lm |              |        |
| 灯具名称: 2.4吋飛旋_30W  | 灯具类型:KD      | 灯具重量:  |
| 灯具规格:COB1205_4000K_80CRI                                      | 外型尺寸: 80*160 | 测试编号:1 |
| 制造厂商: STEMOD  | 发光口面:        | 保护角:   |

|      |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
|------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| 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  | .139          | .079 | .025 | .132 | .075 | .024 | .118 | .068 | .022 | .105 | .061 | .019 | .094 | .054 | .017 |   |
| 2.0  | .127          | .070 | .021 | .121 | .067 | .021 | .110 | .061 | .019 | .099 | .056 | .017 | .089 | .050 | .016 |   |
| 3.0  | .118          | .063 | .019 | .112 | .060 | .018 | .103 | .056 | .017 | .094 | .051 | .016 | .085 | .047 | .015 |   |
| 4.0  | .109          | .057 | .017 | .105 | .055 | .016 | .097 | .051 | .015 | .089 | .048 | .014 | .082 | .044 | .014 |   |
| 5.0  | .102          | .052 | .015 | .098 | .050 | .015 | .091 | .047 | .014 | .085 | .045 | .013 | .078 | .042 | .013 |   |
| 6.0  | .096          | .048 | .014 | .093 | .047 | .013 | .086 | .044 | .013 | .081 | .042 | .012 | .075 | .040 | .012 |   |
| 7.0  | .091          | .045 | .013 | .088 | .044 | .012 | .082 | .042 | .012 | .077 | .040 | .012 | .072 | .038 | .011 |   |
| 8.0  | .086          | .042 | .012 | .083 | .041 | .012 | .078 | .039 | .011 | .074 | .037 | .011 | .070 | .036 | .010 |   |
| 9.0  | .082          | .039 | .011 | .079 | .039 | .011 | .075 | .037 | .011 | .071 | .036 | .010 | .067 | .034 | .010 |   |
| 10.0 | .078          | .037 | .010 | .076 | .037 | .010 | .072 | .035 | .010 | .068 | .034 | .010 | .065 | .033 | .009 |   |

|      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
|------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| 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  | .210    | .210 | .210 | .179 | .179 | .179 | .122 | .122 | .122 | .070 | .070 | .070 | .022 | .022 | .022 |   |
| 1.0  | .188    | .177 | .167 | .161 | .152 | .144 | .110 | .104 | .099 | .063 | .060 | .058 | .020 | .019 | .019 |   |
| 2.0  | .170    | .152 | .137 | .145 | .131 | .119 | .100 | .091 | .083 | .057 | .053 | .049 | .018 | .017 | .016 |   |
| 3.0  | .155    | .133 | .115 | .133 | .115 | .100 | .091 | .080 | .070 | .053 | .046 | .041 | .017 | .015 | .014 |   |
| 4.0  | .142    | .117 | .099 | .122 | .101 | .086 | .084 | .071 | .060 | .048 | .041 | .036 | .016 | .013 | .012 |   |
| 5.0  | .131    | .105 | .086 | .113 | .091 | .075 | .078 | .064 | .053 | .045 | .037 | .031 | .014 | .012 | .010 |   |
| 6.0  | .122    | .095 | .076 | .105 | .082 | .066 | .072 | .058 | .047 | .042 | .034 | .028 | .014 | .011 | .009 |   |
| 7.0  | .114    | .087 | .068 | .098 | .075 | .059 | .068 | .053 | .042 | .039 | .031 | .025 | .013 | .010 | .008 |   |
| 8.0  | .108    | .080 | .061 | .093 | .069 | .053 | .064 | .049 | .038 | .037 | .029 | .023 | .012 | .009 | .007 |   |
| 9.0  | .102    | .074 | .056 | .088 | .065 | .049 | .061 | .045 | .035 | .035 | .027 | .021 | .011 | .009 | .007 |   |
| 10.0 | .097    | .070 | .052 | .083 | .060 | .045 | .058 | .043 | .032 | .034 | .025 | .019 | .011 | .008 | .006 |   |

C角度范围: 0度 - 360度  
C角度间隔: 15.0度  
测试速度: 快速  
环境温度:25.3℃  
测试人员:LJZ  
测试日期:20201012

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-2000B\_V1系统 V2.0.287  
环境湿度:65.0%  
测试距离:5.900米 [K=1.0000]  
备注:

UGR(Unified Glare Rating)数据表

|   |                      |     |     |     |              |                    |      |        |      |      |
|---|----------------------|-----|-----|-----|--------------|--------------------|------|--------|------|------|
| 实测参数: U:219.3V I:0.1323A P:27.87W PF:0.9605 实检光通:2327.24x1 lm |                      |     |     |     |              |                    |      |        |      |      |
| 灯具名称: 2.4吋飛旋_30W  |                      |     |     |     | 灯具类型:KD      |                    |      | 灯具重量:  |      |      |
| 灯具规格:COB1205_4000K_80CRI                                      |                      |     |     |     | 外型尺寸: 80*160 |                    |      | 测试编号:1 |      |      |
| 制造厂商: STEMOD  |                      |     |     |     | 发光口面:        |                    |      | 保护角:   |      |      |
| 反射比: 天花板  | 0.7                  | 0.7 | 0.5 | 0.5 | 0.3          | 0.7                | 0.7  | 0.5    | 0.5  | 0.3  |
| 墙面  | 0.5                  | 0.3 | 0.5 | 0.3 | 0.3          | 0.5                | 0.3  | 0.5    | 0.3  | 0.3  |
| 工作面   | 0.2                  | 0.2 | 0.2 | 0.2 | 0.2          | 0.2                | 0.2  | 0.2    | 0.2  | 0.2  |
| 房间尺寸  | 交叉(Viewed crosswise) |     |     |     |              | 向前(Viewed endwise) |      |        |      |      |
| x = 2H y = 2H   | 0.9                  | 1.6 | 1.2 | 1.7 | 1.9          | -1.8               | -1.2 | -1.5   | -1.0 | -0.8 |
| 3H  | 1.0                  | 1.6 | 1.3 | 1.8 | 2.0          | -1.6               | -1.0 | -1.3   | -0.8 | -0.6 |
| 4H  | 1.1                  | 1.6 | 1.4 | 1.9 | 2.1          | -1.4               | -0.8 | -1.1   | -0.6 | -0.3 |
| 6H  | 1.3                  | 1.8 | 1.6 | 2.1 | 2.4          | -1.0               | -0.5 | -0.7   | -0.2 | 0.0  |
| 8H  | 1.5                  | 2.0 | 1.8 | 2.3 | 2.6          | -0.7               | -0.2 | -0.4   | 0.0  | 0.3  |
| 12H   | 1.7                  | 2.2 | 2.1 | 2.5 | 2.8          | -0.3               | 0.1  | 0.0    | 0.4  | 0.8  |
| 4H 2H   | 0.8                  | 1.3 | 1.1 | 1.6 | 1.8          | -1.8               | -1.3 | -1.5   | -1.0 | -0.8 |
| 3H  | 0.9                  | 1.4 | 1.2 | 1.7 | 2.0          | -1.5               | -1.0 | -1.2   | -0.7 | -0.4 |
| 4H  | 1.1                  | 1.5 | 1.5 | 1.9 | 2.2          | -1.2               | -0.7 | -0.8   | -0.4 | -0.0 |
| 6H  | 1.5                  | 1.9 | 1.9 | 2.3 | 2.6          | -0.6               | -0.2 | -0.2   | 0.2  | 0.6  |
| 8H  | 1.8                  | 2.1 | 2.2 | 2.5 | 3.0          | -0.1               | 0.2  | 0.3    | 0.6  | 1.0  |
| 12H   | 2.2                  | 2.6 | 2.7 | 3.0 | 3.4          | 0.5                | 0.8  | 0.9    | 1.2  | 1.7  |
| 8H 4H   | 1.1                  | 1.5 | 1.5 | 1.9 | 2.3          | -1.0               | -0.6 | -0.6   | -0.2 | 0.2  |
| 6H  | 1.7                  | 2.0 | 2.1 | 2.4 | 2.9          | -0.2               | 0.1  | 0.3    | 0.6  | 1.0  |
| 8H  | 2.1                  | 2.4 | 2.6 | 2.8 | 3.3          | 0.5                | 0.7  | 0.9    | 1.2  | 1.7  |
| 12H   | 2.8                  | 3.0 | 3.3 | 3.5 | 4.0          | 1.3                | 1.6  | 1.8    | 2.0  | 2.6  |
| 12H 4H  | 1.1                  | 1.4 | 1.5 | 1.8 | 2.3          | -1.0               | -0.6 | -0.5   | -0.2 | 0.2  |
| 6H  | 1.7                  | 2.0 | 2.2 | 2.4 | 2.9          | -0.0               | 0.2  | 0.5    | 0.7  | 1.2  |
| 8H  | 2.2                  | 2.5 | 2.7 | 3.0 | 3.5          | 0.7                | 0.9  | 1.2    | 1.4  | 1.9  |
| 不同间隔布灯时,观察者位置引起的UGR变化:  |                      |     |     |     |              |                    |      |        |      |      |
| S = 1.0H  | + 1.8 / - 2.1        |     |     |     |              | + 1.1 / - 1.4      |      |        |      |      |
| 1.5H  | + 3.2 / - 2.2        |     |     |     |              | + 2.1 / - 1.5      |      |        |      |      |
| 2.0H  | + 2.8 / - 1.1        |     |     |     |              | + 1.2 / - 0.6      |      |        |      |      |

依据CIE Pub.117计算,表格已按2327lm光源光通进行修正( $8\log(F/F_0) = 2.9$ )。

C角度范围: 0度 - 360度  
 C角度间隔: 15.0度  
 测试速度: 快速  
 环境温度:25.3℃  
 测试人员:LJZ  
 测试日期:20201012

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-2000B\_V1系统 V2.0.287  
 环境湿度:65.0%  
 测试距离:5.900米 [K=1.0000]  
 备注:

UF利用系数表

|   |              |        |
|---|--------------|--------|
| 实测参数: U:219.3V I:0.1323A P:27.87W PF:0.9605 实检光通:2327.24x1 lm |              |        |
| 灯具名称: 2.4吋飛旋_30W  | 灯具类型:KD      | 灯具重量:  |
| 灯具规格:COB1205_4000K_80CRI                                      | 外型尺寸: 80*160 | 测试编号:1 |
| 制造厂商: STEMOD  | 发光口面:        | 保护角:   |

| 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) x RCR = 5 |     |     |     |     |     |                                 |     |     |         |
| k = 0.60                   | 88  | 82  | 79  | 88  | 82  | 78  | 87                              | 81  | 78  | 75      |
| 0.80                       | 95  | 90  | 86  | 94  | 89  | 86  | 93                              | 89  | 85  | 82      |
| 1.00                       | 99  | 94  | 90  | 98  | 93  | 90  | 97                              | 93  | 89  | 85      |
| 1.25                       | 103   | 98  | 95  | 102 | 97  | 94  | 100                             | 96  | 93  | 89      |
| 1.50                       | 106   | 101 | 98  | 104 | 100 | 97  | 102                             | 98  | 96  | 91      |
| 2.00                       | 108   | 104 | 101 | 106 | 103 | 100 | 103                             | 100 | 98  | 92      |
| 2.50                       | 110   | 106 | 103 | 108 | 105 | 102 | 104                             | 102 | 100 | 93      |
| 3.00                       | 111   | 108 | 105 | 109 | 106 | 104 | 105                             | 103 | 101 | 94      |
| 4.00                       | 113   | 110 | 108 | 111 | 109 | 107 | 107                             | 105 | 104 | 96      |
| 5.00                       | 114   | 112 | 110 | 112 | 110 | 109 | 108                             | 106 | 105 | 97      |
| 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 SHR <sub>NOM</sub> = 1.25 |     |     |         |

C角度范围: 0度 - 360度  
C角度间隔: 15.0度  
测试速度: 快速  
环境温度:25.3℃  
测试人员:LJZ  
测试日期:20201012

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-2000B\_V1系统 V2.0.287  
环境湿度:65.0%  
测试距离:5.900米 [K=1.0000]  
备注:

灯 具 等 光 强 曲 线

|   |              |        |
|---|--------------|--------|
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| 灯具规格:COB1205_4000K_80CRI                                      | 外型尺寸: 80*160 | 测试编号:1 |
| 制造厂商: STEMOD  | 发光口面:        | 保护角:   |

锥面光通量(90度):

2219.4 lm

%lum = 95.4%

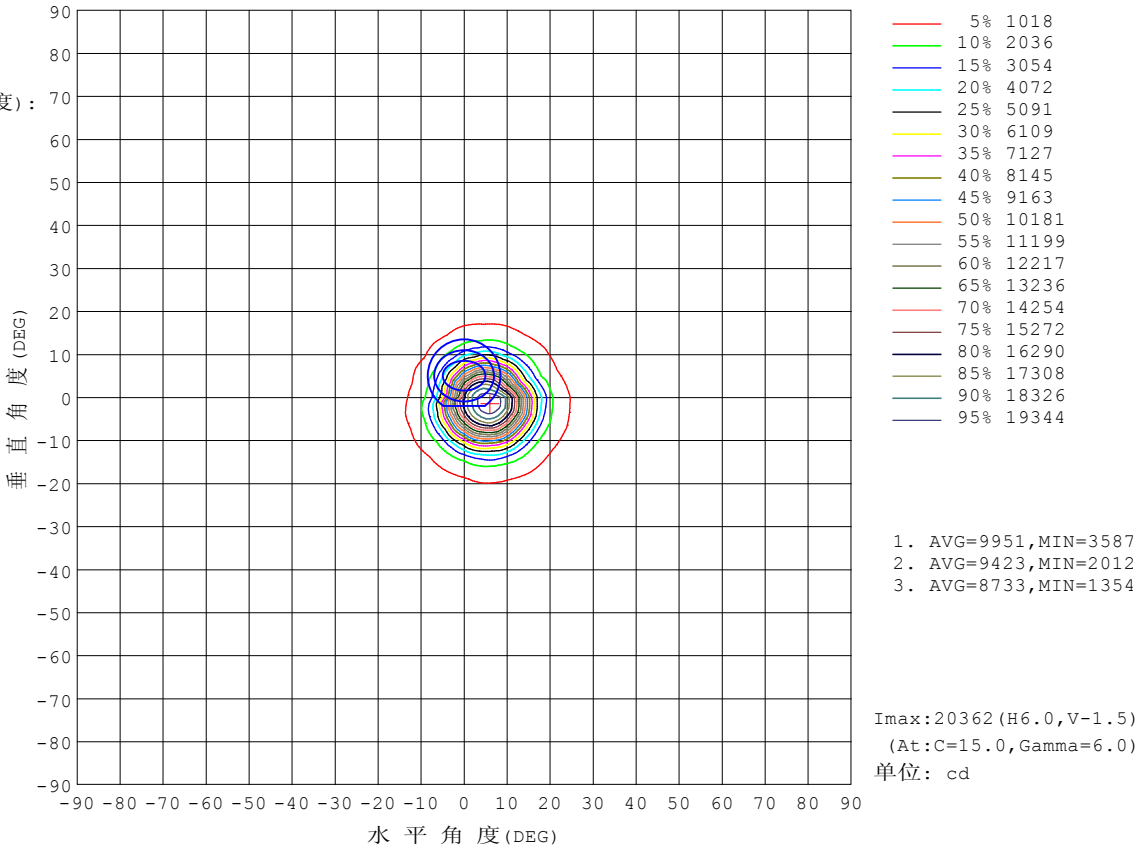
%lamp = 95.4%

锥面光通量(120度):

2245.9 lm

%lum = 96.5%

%lamp = 96.5%

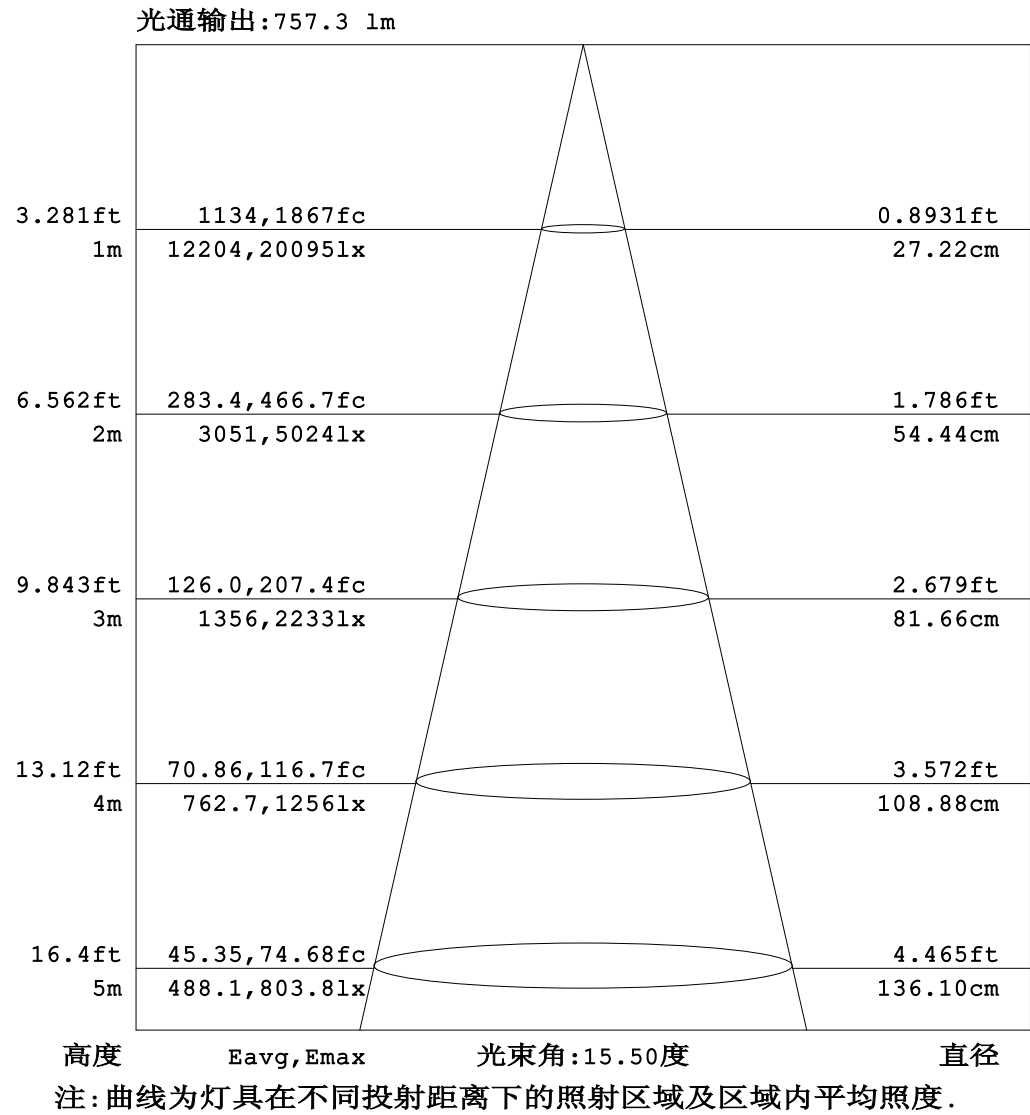


C角度范围: 0度 - 360度  
C角度间隔: 15.0度  
测试速度: 快速  
环境温度:25.3℃  
测试人员:LJZ  
测试日期:20201012

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-2000B\_V1系统 V2.0.287  
环境湿度:65.0%  
测试距离:5.900米 [K=1.0000]  
备注:

灯 具 有 效 平 均 照 度 图

|   |              |        |
|---|--------------|--------|
| 实测参数: U:219.3V I:0.1323A P:27.87W PF:0.9605 实检光通:2327.24x1 lm |              |        |
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| 灯具规格:COB1205_4000K_80CRI                                      | 外型尺寸: 80*160 | 测试编号:1 |
| 制造厂商: STEMOD  | 发光口面:        | 保护角:   |



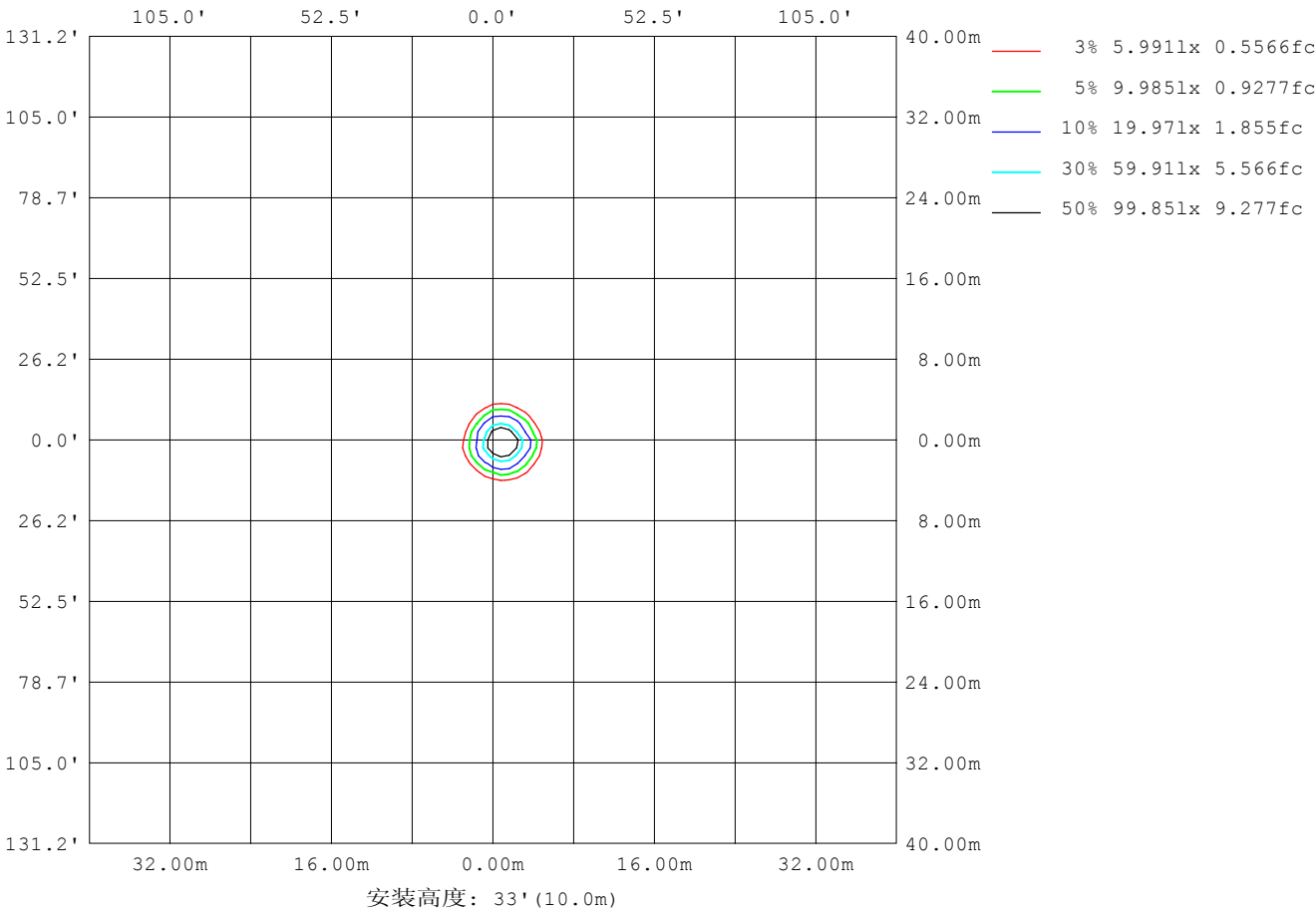
C角度范围: 0度 - 360度  
C角度间隔: 15.0度  
测试速度: 快速  
环境温度:25.3℃  
测试人员:LJZ  
测试日期:20201012

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-2000B\_V1系统 V2.0.287  
环境湿度:65.0%  
测试距离:5.900米 [K=1.0000]  
备注:



平面等照度曲线

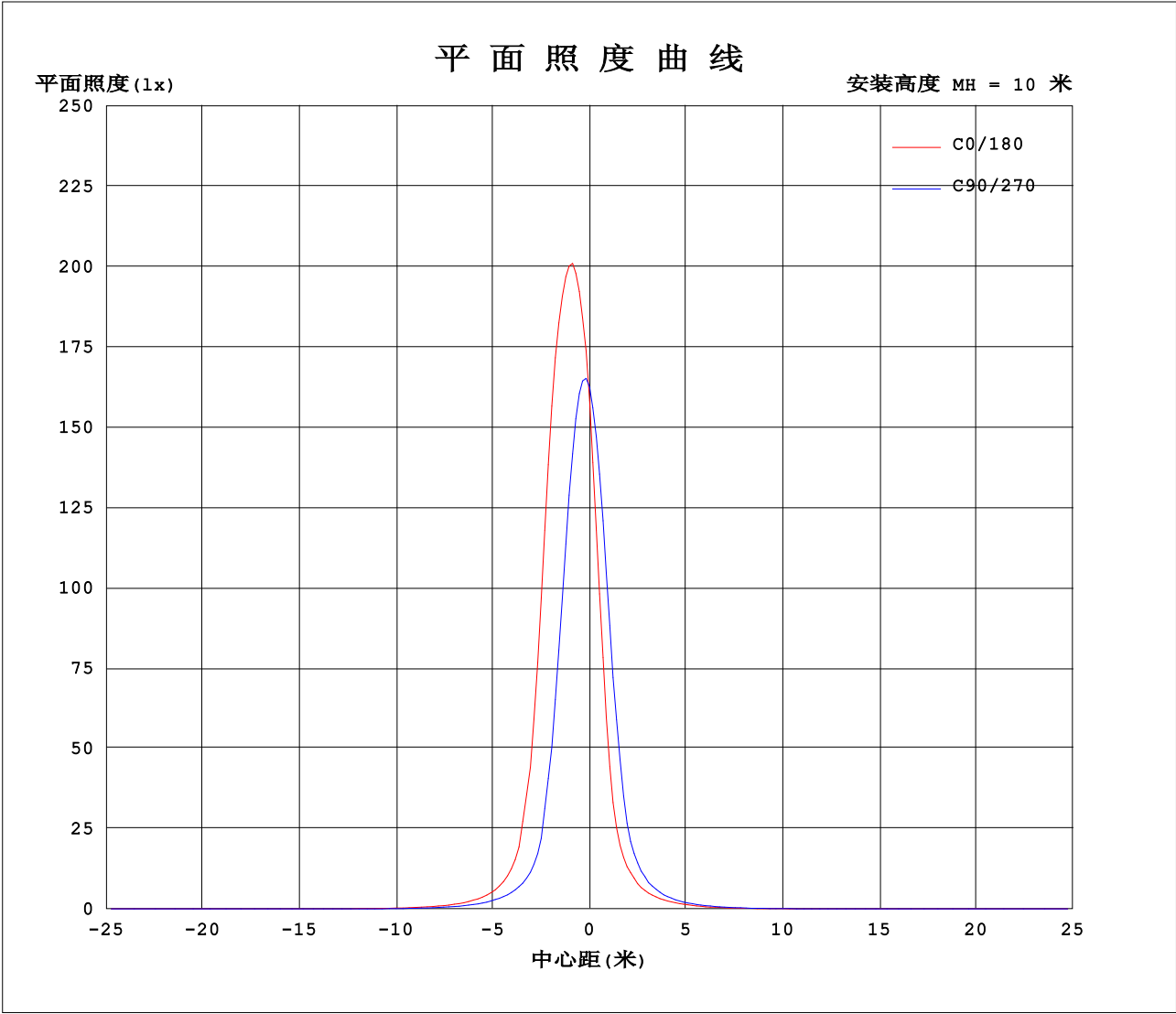
|   |              |        |
|---|--------------|--------|
| 实测参数: U:219.3V I:0.1323A P:27.87W PF:0.9605 实检光通:2327.24x1 lm |              |        |
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| 灯具规格:COB1205_4000K_80CRI                                      | 外型尺寸: 80*160 | 测试编号:1 |
| 制造厂商: STEMOD  | 发光口面:        | 保护角:   |



C角度范围: 0度 - 360度  
C角度间隔: 15.0度  
测试速度: 快速  
环境温度:25.3℃  
测试人员:LJZ  
测试日期:20201012

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-2000B\_V1系统 V2.0.287  
环境湿度:65.0%  
测试距离:5.900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: 15.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: LJZ  
测试日期: 20201012

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-2000B\_V1系统 V2.0.287  
环境湿度: 65.0%  
测试距离: 5.900米 [K=1.0000]  
备注:

光 强 分 布 数 据 表 格

|   |              |        |
|---|--------------|--------|
| 实测参数: U:219.3V I:0.1323A P:27.87W PF:0.9605 实检光通:2327.24x1 lm |              |        |
| 灯具名称: 2.4吋飛旋_30W  | 灯具类型:KD      | 灯具重量:  |
| 灯具规格:COB1205_4000K_80CRI                                      | 外型尺寸: 80*160 | 测试编号:1 |
| 制造厂商: STEMOD  | 发光口面:        | 保护角:   |

表--1

单位: ×10cd

| C (DEG)<br>γ (DEG) | 0    | 15   | 30   | 45   | 60   | 75   | 90   | 105  | 120  | 135  | 150  | 165  | 180  | 195  | 210  | 225  | 240  | 255  | 270  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                  | 1583 | 1550 | 1580 | 1563 | 1603 | 1597 | 1625 | 1634 | 1647 | 1664 | 1660 | 1678 | 1583 | 1550 | 1580 | 1563 | 1603 | 1597 | 1625 |
| 5                  | 2033 | 2025 | 1989 | 1887 | 1776 | 1637 | 1433 | 1274 | 1093 | 981  | 847  | 803  | 604  | 556  | 620  | 639  | 789  | 869  | 1058 |
| 10                 | 1797 | 1820 | 1711 | 1527 | 1214 | 956  | 683  | 504  | 367  | 287  | 229  | 212  | 168  | 156  | 171  | 175  | 223  | 261  | 369  |
| 15                 | 852  | 918  | 754  | 619  | 440  | 286  | 192  | 153  | 119  | 109  | 93.0 | 88.2 | 74.4 | 69.2 | 73.7 | 75.8 | 90.7 | 102  | 131  |
| 20                 | 232  | 240  | 199  | 177  | 135  | 111  | 83.8 | 70.5 | 57.4 | 53.7 | 47.5 | 45.9 | 39.4 | 37.0 | 38.4 | 40.1 | 45.5 | 50.8 | 63.0 |
| 25                 | 96.1 | 98.8 | 84.3 | 78.0 | 64.8 | 57.0 | 45.0 | 37.3 | 30.5 | 28.0 | 26.1 | 25.6 | 22.6 | 21.0 | 21.5 | 22.4 | 24.7 | 27.7 | 33.3 |
| 30                 | 48.5 | 48.3 | 44.1 | 40.2 | 34.2 | 30.7 | 25.0 | 20.5 | 16.6 | 15.3 | 14.8 | 14.7 | 12.9 | 11.9 | 12.6 | 13.2 | 14.5 | 15.8 | 19.1 |
| 35                 | 26.8 | 26.3 | 24.2 | 22.0 | 18.5 | 16.9 | 13.8 | 11.4 | 9.15 | 8.35 | 8.09 | 7.96 | 7.47 | 7.05 | 7.44 | 7.85 | 8.45 | 8.91 | 11.0 |
| 40                 | 14.6 | 14.5 | 13.5 | 12.3 | 10.3 | 9.35 | 7.62 | 5.88 | 4.87 | 4.42 | 4.14 | 4.14 | 4.40 | 4.27 | 4.62 | 4.71 | 4.86 | 4.93 | 5.99 |
| 45                 | 8.07 | 8.02 | 7.42 | 6.82 | 5.45 | 4.59 | 3.75 | 2.97 | 2.49 | 2.30 | 1.97 | 1.84 | 2.61 | 2.60 | 2.71 | 2.84 | 2.83 | 2.89 | 3.32 |
| 50                 | 3.91 | 4.09 | 3.98 | 3.49 | 2.52 | 2.04 | 1.52 | 1.33 | 1.31 | 1.23 | 1.05 | 1.07 | 1.91 | 1.84 | 1.81 | 1.78 | 1.91 | 1.96 | 2.04 |
| 55                 | 1.80 | 1.96 | 1.91 | 1.67 | 1.32 | 1.12 | 1.03 | 0.96 | 0.92 | 0.91 | 0.91 | 0.94 | 1.46 | 1.39 | 1.39 | 1.40 | 1.47 | 1.56 | 1.66 |
| 60                 | 1.15 | 1.13 | 1.01 | 0.99 | 0.98 | 0.97 | 0.90 | 0.84 | 0.78 | 0.77 | 0.79 | 0.80 | 1.12 | 1.08 | 1.09 | 1.09 | 1.12 | 1.17 | 1.26 |
| 65                 | 0.98 | 0.93 | 0.87 | 0.86 | 0.84 | 0.82 | 0.77 | 0.73 | 0.70 | 0.70 | 0.70 | 0.71 | 0.94 | 0.92 | 0.92 | 0.91 | 0.93 | 0.94 | 0.98 |
| 70                 | 0.83 | 0.79 | 0.78 | 0.76 | 0.73 | 0.71 | 0.68 | 0.67 | 0.65 | 0.65 | 0.64 | 0.65 | 0.82 | 0.80 | 0.80 | 0.81 | 0.82 | 0.83 | 0.85 |
| 75                 | 0.74 | 0.73 | 0.71 | 0.70 | 0.67 | 0.66 | 0.64 | 0.62 | 0.59 | 0.59 | 0.58 | 0.58 | 0.74 | 0.73 | 0.72 | 0.72 | 0.72 | 0.73 | 0.74 |
| 80                 | 0.68 | 0.68 | 0.66 | 0.64 | 0.61 | 0.59 | 0.58 | 0.57 | 0.55 | 0.55 | 0.54 | 0.54 | 0.66 | 0.65 | 0.65 | 0.65 | 0.66 | 0.66 | 0.68 |
| 85                 | 0.61 | 0.61 | 0.59 | 0.58 | 0.57 | 0.55 | 0.54 | 0.53 | 0.51 | 0.51 | 0.49 | 0.49 | 0.56 | 0.55 | 0.54 | 0.54 | 0.56 | 0.58 | 0.60 |
| 90                 | 0.56 | 0.56 | 0.55 | 0.54 | 0.52 | 0.51 | 0.49 | 0.48 | 0.48 | 0.48 | 0.48 | 0.49 | 0.52 | 0.51 | 0.50 | 0.50 | 0.50 | 0.51 | 0.51 |
| 95                 | 0.50 | 0.50 | 0.49 | 0.49 | 0.49 | 0.49 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.49 | 0.49 | 0.48 | 0.48 | 0.47 | 0.47 | 0.48 |
| 100                | 0.51 | 0.50 | 0.50 | 0.50 | 0.49 | 0.49 | 0.48 | 0.48 | 0.47 | 0.47 | 0.47 | 0.47 | 0.49 | 0.49 | 0.48 | 0.48 | 0.47 | 0.46 | 0.46 |
| 105                | 0.51 | 0.50 | 0.50 | 0.49 | 0.48 | 0.47 | 0.47 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.47 | 0.50 | 0.50 | 0.49 | 0.48 | 0.47 | 0.46 |
| 110                | 0.49 | 0.49 | 0.48 | 0.48 | 0.47 | 0.47 | 0.46 | 0.46 | 0.46 | 0.46 | 0.47 | 0.47 | 0.53 | 0.53 | 0.52 | 0.51 | 0.50 | 0.49 | 0.48 |
| 115                | 0.49 | 0.49 | 0.48 | 0.48 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.48 | 0.49 | 0.50 | 0.60 | 0.59 | 0.58 | 0.56 | 0.54 | 0.52 | 0.51 |
| 120                | 0.50 | 0.49 | 0.49 | 0.48 | 0.48 | 0.48 | 0.49 | 0.50 | 0.52 | 0.54 | 0.57 | 0.59 | 0.77 | 0.77 | 0.74 | 0.71 | 0.66 | 0.61 | 0.57 |
| 125                | 0.52 | 0.52 | 0.52 | 0.52 | 0.53 | 0.54 | 0.57 | 0.61 | 0.66 | 0.71 | 0.78 | 0.81 | 1.09 | 1.09 | 1.05 | 1.00 | 0.91 | 0.84 | 0.76 |
| 130                | 0.61 | 0.60 | 0.61 | 0.63 | 0.67 | 0.71 | 0.78 | 0.85 | 0.94 | 1.01 | 1.10 | 1.14 | 1.44 | 1.45 | 1.40 | 1.35 | 1.27 | 1.18 | 1.07 |
| 135                | 0.84 | 0.82 | 0.85 | 0.88 | 0.95 | 1.01 | 1.11 | 1.18 | 1.28 | 1.34 | 1.41 | 1.44 | 1.71 | 1.70 | 1.67 | 1.64 | 1.57 | 1.51 | 1.42 |
| 140                | 1.17 | 1.15 | 1.18 | 1.21 | 1.28 | 1.34 | 1.42 | 1.47 | 1.53 | 1.57 | 1.61 | 1.63 | 1.84 | 1.84 | 1.82 | 1.79 | 1.76 | 1.72 | 1.67 |
| 145                | 1.49 | 1.47 | 1.48 | 1.50 | 1.54 | 1.58 | 1.62 | 1.64 | 1.68 | 1.70 | 1.73 | 1.75 | 1.93 | 1.95 | 1.91 | 1.88 | 1.86 | 1.82 | 1.79 |
| 150                | 1.68 | 1.66 | 1.67 | 1.68 | 1.69 | 1.71 | 1.74 | 1.76 | 1.78 | 1.81 | 1.83 | 1.85 | 2.01 | 2.14 | 2.09 | 1.94 | 1.93 | 1.90 | 1.87 |
| 155                | 1.79 | 1.78 | 1.78 | 1.79 | 1.80 | 1.81 | 1.83 | 1.86 | 1.88 | 1.90 | 1.92 | 1.94 | 2.11 | 2.24 | 2.18 | 2.03 | 1.99 | 1.96 | 1.93 |
| 160                | 1.89 | 1.88 | 1.88 | 1.89 | 1.90 | 1.91 | 1.92 | 1.93 | 1.95 | 1.96 | 1.97 | 1.99 | 2.09 | 2.07 | 2.06 | 2.06 | 2.02 | 2.00 | 2.00 |
| 165                | 1.98 | 1.97 | 1.96 | 1.97 | 1.96 | 1.97 | 1.97 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 2.04 | 2.01 | 2.01 | 2.01 | 2.00 | 2.00 | 1.99 |
| 170                | 2.03 | 2.03 | 2.01 | 2.00 | 1.99 | 1.98 | 1.96 | 1.94 | 1.90 | 1.87 | 1.83 | 1.81 | 1.86 | 1.80 | 1.79 | 1.79 | 1.82 | 1.86 | 1.91 |
| 175                | 2.01 | 2.00 | 1.96 | 1.93 | 1.88 | 1.83 | 1.74 | 1.68 | 1.60 | 1.56 | 1.54 | 1.55 | 1.69 | 1.61 | 1.56 | 1.52 | 1.51 | 1.53 | 1.60 |
| 180                | 1.86 | 1.82 | 1.76 | 1.71 | 1.64 | 1.58 | 1.53 | 1.52 | 1.53 | 1.56 | 1.61 | 1.67 | 1.87 | 1.82 | 1.77 | 1.71 | 1.65 | 1.57 | 1.53 |

C角度范围: 0度 - 360度  
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备注:

光 强 分 布 数 据 表 格

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| 灯具规格:COB1205_4000K_80CRI                                      | 外型尺寸: 80*160 | 测试编号:1 |
| 制造厂商: STEMOD  | 发光口面:        | 保护角:   |

表--2单位: ×10cd

| C (DEG)<br>γ (DEG) | 285  | 300  | 315  | 330  | 345  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                  | 1634 | 1647 | 1664 | 1660 | 1678 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                  | 1211 | 1450 | 1628 | 1795 | 1897 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                 | 470  | 692  | 892  | 1210 | 1421 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                 | 152  | 207  | 264  | 398  | 506  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                 | 71.0 | 87.8 | 104  | 134  | 158  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                 | 38.5 | 44.9 | 50.2 | 61.7 | 72.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                 | 21.6 | 24.0 | 26.2 | 32.2 | 37.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 12.3 | 13.3 | 14.1 | 17.6 | 20.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 6.87 | 7.52 | 8.16 | 10.2 | 11.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 3.71 | 4.28 | 4.90 | 5.81 | 6.94 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 2.05 | 2.55 | 2.95 | 3.43 | 3.96 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 1.68 | 1.76 | 1.97 | 2.12 | 2.17 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 1.32 | 1.38 | 1.46 | 1.61 | 1.74 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                 | 1.02 | 1.06 | 1.11 | 1.25 | 1.37 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 0.86 | 0.89 | 0.92 | 0.98 | 1.04 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                 | 0.77 | 0.80 | 0.82 | 0.85 | 0.88 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                 | 0.69 | 0.71 | 0.72 | 0.74 | 0.76 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                 | 0.62 | 0.64 | 0.66 | 0.68 | 0.70 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                 | 0.52 | 0.55 | 0.57 | 0.60 | 0.62 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                 | 0.48 | 0.49 | 0.50 | 0.52 | 0.53 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100                | 0.46 | 0.47 | 0.47 | 0.48 | 0.49 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105                | 0.46 | 0.46 | 0.46 | 0.46 | 0.47 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110                | 0.47 | 0.47 | 0.46 | 0.46 | 0.47 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115                | 0.50 | 0.49 | 0.48 | 0.48 | 0.48 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120                | 0.55 | 0.53 | 0.52 | 0.51 | 0.51 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125                | 0.70 | 0.64 | 0.61 | 0.58 | 0.57 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130                | 0.99 | 0.89 | 0.83 | 0.76 | 0.73 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135                | 1.34 | 1.24 | 1.16 | 1.08 | 1.04 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140                | 1.61 | 1.55 | 1.49 | 1.42 | 1.38 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145                | 1.76 | 1.73 | 1.70 | 1.66 | 1.64 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150                | 1.85 | 1.82 | 1.80 | 1.78 | 1.77 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155                | 1.91 | 1.89 | 1.88 | 1.86 | 1.85 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160                | 1.96 | 1.94 | 1.93 | 1.92 | 1.91 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165                | 1.98 | 1.98 | 1.97 | 1.96 | 1.96 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170                | 1.94 | 1.96 | 1.96 | 1.97 | 1.97 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175                | 1.66 | 1.74 | 1.79 | 1.84 | 1.87 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180                | 1.52 | 1.53 | 1.56 | 1.61 | 1.67 |  |  |  |  |  |  |  |  |  |  |  |  |  |

C角度范围: 0度 - 360度  
C角度间隔: 15.0度  
测试速度: 快速  
环境温度:25.3℃  
测试人员:LJZ  
测试日期:20201012

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-2000B\_V1系统 V2.0.287  
环境湿度:65.0%  
测试距离:5.900米 [K=1.0000]  
备注: