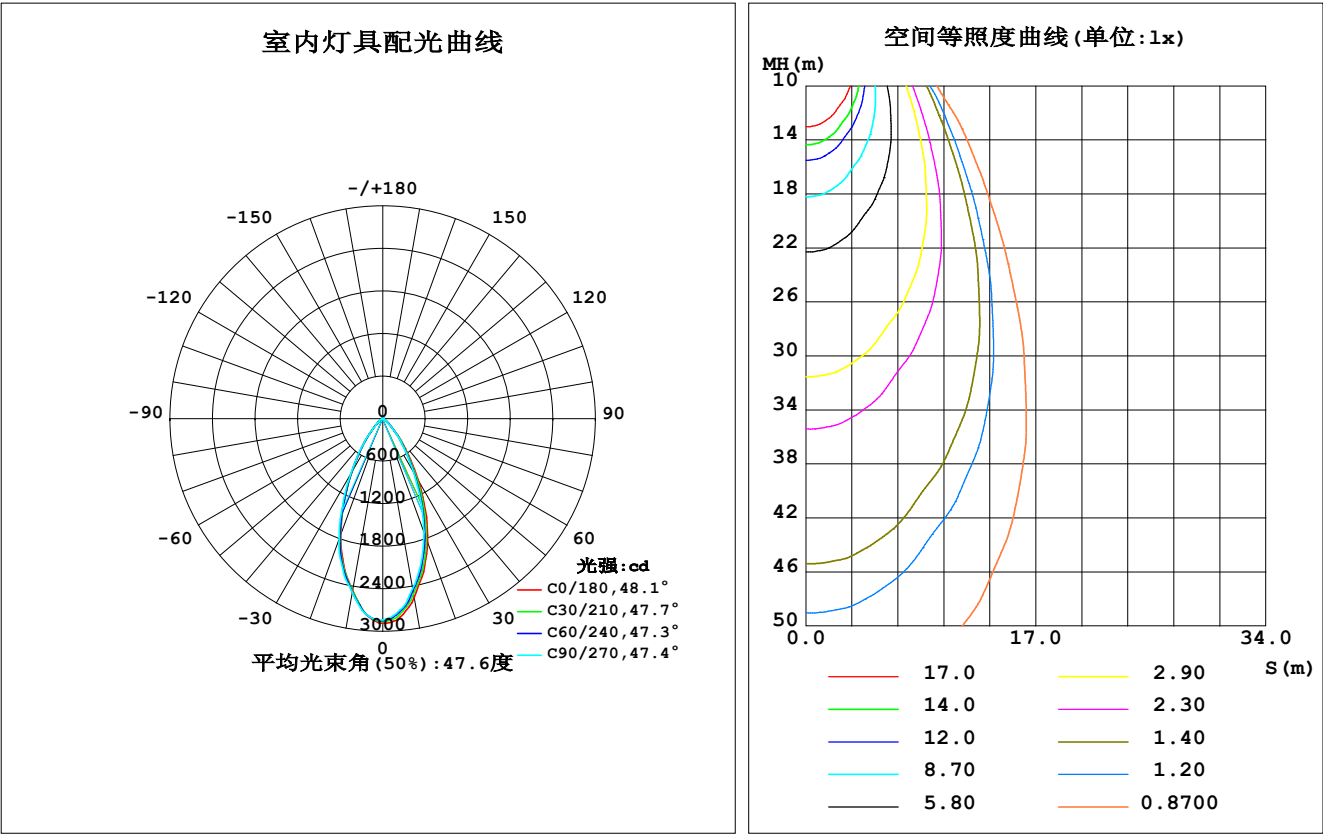


室内灯具光度数据

|   |              |       |
|---|--------------|-------|
| 实测参数: U:219.2V I:0.0970A P:20.05W PF:0.9425 实检光通:2107.03x1 lm |              |       |
| 灯具名称: 4吋飛耀_20W  | 灯具类型:KD      | 灯具重量: |
| 灯具规格:COB1205_5000K_80CRI                                      | 外型尺寸: 141*65 | 测试编号: |
| 制造厂商: STEMOD  | 发光口面:        | 保护角:  |

| 光源数据      |             | 光度数据     |        |                   |          | 光效: 105.08 lm/W |
|-----------|-------------|----------|--------|-------------------|----------|-----------------|
| 型号        | 5000K_80CRI | 峰值光强(cd) | 2884   | S/MH(C0/180)      | 0.73     |                 |
| 标称功率(W)   | 20          | 灯具效率(%)  | 100.0  | S/MH(C90/270)     | 0.76     |                 |
| 额定电源电压(V) | 220         | 总光通量(lm) | 2107.0 | η UP,DN(C0-180)   | 1.2,48.5 |                 |
| 额定光通量(lm) | 2107.03     | CIE分类    | 直接     | η UP,DN(C180-360) | 1.3,49.0 |                 |
| 灯具内光源数(只) | 1           | 上射光通比(%) | 2.5    | CIBSE SHR NOM     | 0.75     |                 |
| 实测电源电压(V) | 220         | 下射光通比(%) | 97.5   | CIBSE SHR MAX     | 0.80     |                 |



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:20200611

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   | 2564  | 2500  | 2435  | 2407  | 2460  | 2455  | 2489  | 2482  | 0- 10   | 253.3 | 253.3 | 12,12      |
| 20   | 1854  | 1782  | 1704  | 1695  | 1731  | 1748  | 1805  | 1826  | 10- 20  | 595.8 | 849.1 | 40.3,40.3  |
| 30   | 1006  | 940.3 | 867.6 | 878.9 | 885.7 | 857.8 | 917.8 | 963.0 | 20- 30  | 602.6 | 1452  | 68.9,68.9  |
| 40   | 402.3 | 380.2 | 353.1 | 349.7 | 348.0 | 318.5 | 352.1 | 371.4 | 30- 40  | 371.2 | 1823  | 86.5,86.5  |
| 50   | 118.6 | 114.5 | 99.32 | 97.28 | 99.63 | 96.76 | 104.6 | 107.9 | 40- 50  | 153.9 | 1977  | 93.8,93.8  |
| 60   | 37.91 | 36.78 | 31.06 | 28.15 | 30.02 | 28.98 | 32.18 | 35.95 | 50- 60  | 56.49 | 2033  | 96.5,96.5  |
| 70   | 3.586 | 3.549 | 3.563 | 3.581 | 5.696 | 5.620 | 5.603 | 5.605 | 60- 70  | 11.98 | 2045  | 97.1,97.1  |
| 80   | 3.817 | 3.772 | 3.773 | 3.798 | 5.192 | 5.114 | 5.105 | 5.127 | 70- 80  | 4.795 | 2050  | 97.3,97.3  |
| 90   | 3.997 | 3.945 | 3.955 | 3.959 | 4.842 | 4.763 | 4.729 | 4.742 | 80- 90  | 4.798 | 2055  | 97.5,97.5  |
| 100  | 4.335 | 4.269 | 4.280 | 4.320 | 4.979 | 4.879 | 4.804 | 4.797 | 90-100  | 4.836 | 2060  | 97.8,97.8  |
| 110  | 5.124 | 5.057 | 5.117 | 5.189 | 5.860 | 5.709 | 5.561 | 5.534 | 100-110 | 5.202 | 2065  | 98,98      |
| 120  | 6.625 | 6.587 | 6.691 | 6.787 | 7.599 | 7.383 | 7.162 | 7.094 | 110-120 | 6.061 | 2071  | 98.3,98.3  |
| 130  | 8.819 | 8.802 | 8.931 | 9.028 | 9.993 | 9.742 | 9.472 | 9.366 | 120-130 | 7.218 | 2078  | 98.6,98.6  |
| 140  | 11.36 | 11.33 | 11.44 | 11.53 | 12.53 | 12.25 | 11.98 | 11.86 | 130-140 | 8.109 | 2086  | 99,99      |
| 150  | 13.65 | 13.57 | 13.62 | 13.67 | 14.61 | 14.34 | 14.12 | 14.00 | 140-150 | 8.076 | 2094  | 99.4,99.4  |
| 160  | 15.07 | 14.93 | 14.85 | 14.90 | 15.65 | 15.44 | 15.29 | 15.19 | 150-160 | 6.750 | 2101  | 99.7,99.7  |
| 170  | 15.70 | 15.52 | 15.48 | 15.52 | 16.04 | 15.81 | 15.72 | 15.65 | 160-170 | 4.361 | 2106  | 99.9,99.9  |
| 180  | 16.39 | 16.28 | 16.25 | 16.21 | 16.44 | 16.23 | 16.26 | 16.19 | 170-180 | 1.514 | 2107  | 100,100    |
| 单位:° | 光强:cd |       |       |       |       |       |       |       |         | 单位:lm |       |            |

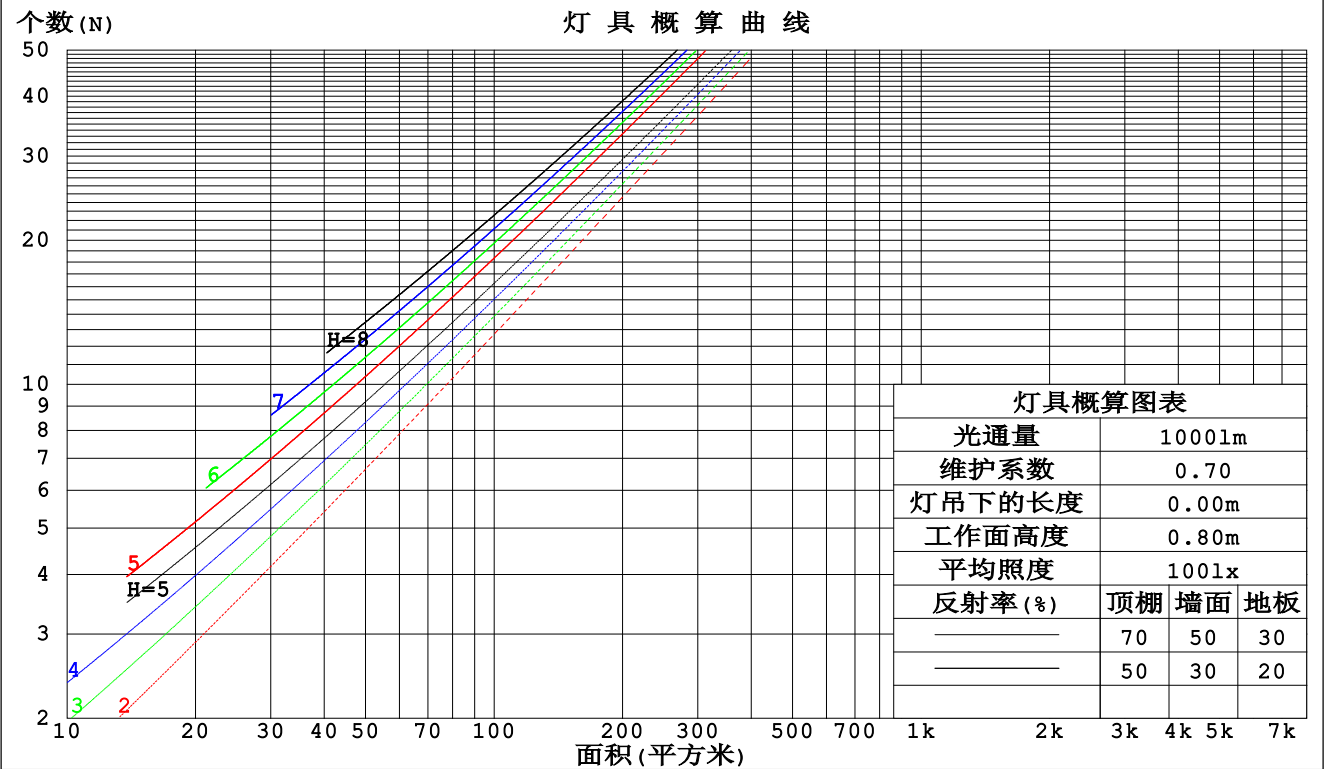
C角度范围： 0度 - 360度  
C角度间隔：15.0度  
测试速度：快速  
环境温度:25.3℃  
测试人员:ljz  
测试日期:20200611

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:219.2V I:0.0970A P:20.05W PF:0.9425 实检光通:2107.03x1 lm |              |       |
| 灯具名称: 4吋飛耀_20W  | 灯具类型: KD     | 灯具重量: |
| 灯具规格: COB1205_5000K_80CRI                                     | 外型尺寸: 141*65 | 测试编号: |
| 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 | .98 |
| 1.0  | 1.10          | 1.07 | 1.05 | 1.07 | 1.05 | 1.03 | 1.03 | 1.01 | .99  | .99  | .97  | .96  | .95 | .94 | .93 | .91 |
| 2.0  | 1.02          | .98  | .94  | 1.00 | .96  | .93  | .96  | .93  | .91  | .93  | .91  | .88  | .90 | .88 | .86 | .84 |
| 3.0  | .95           | .90  | .86  | .93  | .89  | .85  | .90  | .86  | .83  | .88  | .84  | .82  | .85 | .82 | .80 | .78 |
| 4.0  | .89           | .83  | .79  | .87  | .82  | .78  | .85  | .80  | .77  | .83  | .79  | .76  | .80 | .77 | .75 | .73 |
| 5.0  | .83           | .77  | .73  | .82  | .76  | .72  | .80  | .75  | .71  | .78  | .74  | .71  | .76 | .72 | .70 | .68 |
| 6.0  | .78           | .72  | .67  | .77  | .71  | .67  | .75  | .70  | .66  | .73  | .69  | .66  | .72 | .68 | .65 | .64 |
| 7.0  | .73           | .67  | .63  | .72  | .67  | .63  | .71  | .66  | .62  | .70  | .65  | .62  | .68 | .64 | .61 | .60 |
| 8.0  | .69           | .63  | .59  | .68  | .63  | .59  | .67  | .62  | .58  | .66  | .61  | .58  | .65 | .61 | .58 | .56 |
| 9.0  | .65           | .59  | .55  | .65  | .59  | .55  | .64  | .58  | .55  | .62  | .58  | .55  | .61 | .57 | .54 | .53 |
| 10.0 | .62           | .56  | .52  | .61  | .56  | .52  | .60  | .55  | .52  | .59  | .55  | .52  | .59 | .54 | .51 | .50 |



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: ljj  
测试日期: 20200611

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:219.2V I:0.0970A P:20.05W PF:0.9425 实检光通:2107.03x1 lm |              |       |
| 灯具名称: 4吋飛耀_20W  | 灯具类型:KD      | 灯具重量: |
| 灯具规格:COB1205_5000K_80CRI                                      | 外型尺寸: 141*65 | 测试编号: |
| 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  | .184          | .104 | .033 | .176 | .100 | .032 | .162 | .093 | .030 | .149 | .086 | .028 | .137 | .080 | .026 |   |
| 2.0  | .175          | .096 | .029 | .169 | .093 | .029 | .157 | .087 | .027 | .146 | .082 | .026 | .136 | .077 | .024 |   |
| 3.0  | .166          | .089 | .027 | .161 | .086 | .026 | .151 | .082 | .025 | .141 | .077 | .024 | .132 | .073 | .023 |   |
| 4.0  | .158          | .082 | .024 | .153 | .080 | .024 | .144 | .076 | .023 | .136 | .073 | .022 | .128 | .070 | .021 |   |
| 5.0  | .150          | .077 | .022 | .146 | .075 | .022 | .138 | .072 | .021 | .131 | .069 | .021 | .124 | .066 | .020 |   |
| 6.0  | .143          | .072 | .021 | .139 | .070 | .020 | .132 | .068 | .020 | .126 | .065 | .019 | .119 | .063 | .019 |   |
| 7.0  | .136          | .067 | .019 | .133 | .066 | .019 | .127 | .064 | .018 | .121 | .062 | .018 | .115 | .060 | .018 |   |
| 8.0  | .130          | .064 | .018 | .127 | .063 | .018 | .121 | .061 | .017 | .116 | .059 | .017 | .111 | .057 | .017 |   |
| 9.0  | .124          | .060 | .017 | .122 | .059 | .017 | .117 | .058 | .016 | .112 | .056 | .016 | .107 | .054 | .016 |   |
| 10.0 | .119          | .057 | .016 | .117 | .056 | .016 | .112 | .055 | .015 | .108 | .053 | .015 | .103 | .052 | .015 |   |

|      |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
|------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| 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  | .209    | .209 | .209 | .179 | .179 | .179 | .122 | .122 | .122 | .070 | .070 | .070 | .022 | .022 | .022 |   |
| 1.0  | .191    | .176 | .163 | .163 | .151 | .141 | .112 | .104 | .097 | .064 | .060 | .057 | .021 | .019 | .018 |   |
| 2.0  | .176    | .152 | .131 | .151 | .131 | .113 | .103 | .090 | .079 | .060 | .053 | .046 | .019 | .017 | .015 |   |
| 3.0  | .164    | .133 | .108 | .140 | .115 | .094 | .096 | .080 | .066 | .056 | .046 | .039 | .018 | .015 | .013 |   |
| 4.0  | .154    | .118 | .091 | .132 | .102 | .079 | .091 | .071 | .056 | .052 | .042 | .033 | .017 | .014 | .011 |   |
| 5.0  | .145    | .107 | .078 | .125 | .092 | .068 | .086 | .065 | .048 | .050 | .038 | .029 | .016 | .012 | .009 |   |
| 6.0  | .138    | .098 | .069 | .118 | .085 | .060 | .082 | .059 | .042 | .047 | .035 | .025 | .015 | .011 | .008 |   |
| 7.0  | .131    | .090 | .061 | .113 | .078 | .053 | .078 | .055 | .038 | .045 | .032 | .023 | .015 | .011 | .007 |   |
| 8.0  | .126    | .084 | .055 | .108 | .073 | .048 | .075 | .051 | .034 | .044 | .030 | .020 | .014 | .010 | .007 |   |
| 9.0  | .120    | .079 | .051 | .104 | .068 | .044 | .072 | .048 | .031 | .042 | .028 | .019 | .014 | .009 | .006 |   |
| 10.0 | .116    | .074 | .047 | .100 | .065 | .041 | .069 | .045 | .029 | .040 | .027 | .017 | .013 | .009 | .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:20200611

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:219.2V I:0.0970A P:20.05W PF:0.9425 实检光通:2107.03x1 lm |                      |     |     |     |              |                    |     |       |     |     |
| 灯具名称: 4吋飛耀_20W  |                      |     |     |     | 灯具类型:KD      |                    |     | 灯具重量: |     |     |
| 灯具规格:COB1205_5000K_80CRI                                      |                      |     |     |     | 外型尺寸: 141*65 |                    |     | 测试编号: |     |     |
| 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   | 8.0                  | 9.0 | 8.3 | 9.2 | 9.4          | 7.3                | 8.2 | 7.6   | 8.4 | 8.7 |
| 3H  | 7.9                  | 8.7 | 8.2 | 9.0 | 9.2          | 7.1                | 8.0 | 7.4   | 8.2 | 8.5 |
| 4H  | 7.8                  | 8.6 | 8.1 | 8.9 | 9.1          | 7.0                | 7.8 | 7.3   | 8.1 | 8.4 |
| 6H  | 7.7                  | 8.5 | 8.0 | 8.7 | 9.0          | 7.0                | 7.7 | 7.3   | 8.0 | 8.3 |
| 8H  | 7.7                  | 8.4 | 8.0 | 8.7 | 9.0          | 6.9                | 7.7 | 7.3   | 8.0 | 8.3 |
| 12H   | 7.6                  | 8.3 | 8.0 | 8.7 | 9.0          | 6.9                | 7.6 | 7.3   | 7.9 | 8.2 |
| 4H 2H   | 7.8                  | 8.6 | 8.1 | 8.9 | 9.2          | 7.1                | 7.9 | 7.4   | 8.2 | 8.5 |
| 3H  | 7.6                  | 8.4 | 8.0 | 8.7 | 9.0          | 6.9                | 7.6 | 7.3   | 7.9 | 8.3 |
| 4H  | 7.6                  | 8.2 | 7.9 | 8.5 | 8.9          | 6.8                | 7.5 | 7.2   | 7.8 | 8.2 |
| 6H  | 7.5                  | 8.0 | 7.9 | 8.4 | 8.8          | 6.8                | 7.3 | 7.2   | 7.7 | 8.1 |
| 8H  | 7.5                  | 8.0 | 7.9 | 8.4 | 8.8          | 6.7                | 7.3 | 7.2   | 7.7 | 8.1 |
| 12H   | 7.4                  | 7.9 | 7.9 | 8.3 | 8.8          | 6.7                | 7.2 | 7.2   | 7.6 | 8.1 |
| 8H 4H   | 7.4                  | 7.9 | 7.8 | 8.3 | 8.7          | 6.7                | 7.2 | 7.1   | 7.6 | 8.0 |
| 6H  | 7.3                  | 7.8 | 7.8 | 8.2 | 8.7          | 6.6                | 7.1 | 7.1   | 7.5 | 8.0 |
| 8H  | 7.3                  | 7.7 | 7.8 | 8.2 | 8.7          | 6.6                | 7.0 | 7.1   | 7.5 | 8.0 |
| 12H   | 7.3                  | 7.7 | 7.9 | 8.2 | 8.7          | 6.7                | 7.0 | 7.2   | 7.5 | 8.0 |
| 12H 4H  | 7.4                  | 7.8 | 7.8 | 8.3 | 8.7          | 6.6                | 7.1 | 7.1   | 7.5 | 8.0 |
| 6H  | 7.3                  | 7.7 | 7.8 | 8.1 | 8.6          | 6.6                | 7.0 | 7.1   | 7.4 | 7.9 |
| 8H  | 7.3                  | 7.6 | 7.8 | 8.1 | 8.6          | 6.6                | 6.9 | 7.1   | 7.4 | 7.9 |
| 不同间隔布灯时,观察者位置引起的UGR变化:  |                      |     |     |     |              |                    |     |       |     |     |
| S = 1.0H  | + 2.5 / - 5.4        |     |     |     |              | + 2.2 / - 5.5      |     |       |     |     |
| 1.5H  | + 3.9 / - 3.9        |     |     |     |              | + 3.5 / - 3.7      |     |       |     |     |
| 2.0H  | + 4.2 / - 5.4        |     |     |     |              | + 4.1 / - 5.7      |     |       |     |     |

依据CIE Pub.117计算,表格已按2107lm光源光通进行修正(8log(F/F0) = 2.6)。

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:20200611

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:219.2V I:0.0970A P:20.05W PF:0.9425 实检光通:2107.03x1 lm |              |       |
| 灯具名称: 4吋飛耀_20W  | 灯具类型:KD      | 灯具重量: |
| 灯具规格:COB1205_5000K_80CRI                                      | 外型尺寸: 141*65 | 测试编号: |
| 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                   | 83  | 76  | 72  | 82  | 76  | 72  | 81                  | 75  | 71  | 68      |
| 0.80                       | 91  | 84  | 80  | 90  | 84  | 80  | 89                  | 83  | 80  | 75      |
| 1.00                       | 96  | 90  | 86  | 95  | 89  | 86  | 93                  | 89  | 85  | 80      |
| 1.25                       | 100   | 95  | 91  | 99  | 94  | 90  | 97                  | 93  | 89  | 85      |
| 1.50                       | 103   | 98  | 95  | 102 | 97  | 94  | 99                  | 96  | 93  | 88      |
| 2.00                       | 107   | 102 | 99  | 105 | 101 | 98  | 102                 | 99  | 96  | 90      |
| 2.50                       | 109   | 104 | 101 | 107 | 103 | 100 | 103                 | 100 | 98  | 91      |
| 3.00                       | 110   | 106 | 103 | 108 | 105 | 102 | 104                 | 102 | 100 | 92      |
| 4.00                       | 112   | 109 | 107 | 110 | 107 | 105 | 106                 | 104 | 102 | 94      |
| 5.00                       | 114   | 111 | 109 | 111 | 109 | 107 | 107                 | 105 | 104 | 95      |
| 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: 15.0度  
测试速度: 快速  
环境温度:25.3℃  
测试人员:ljz  
测试日期:20200611

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

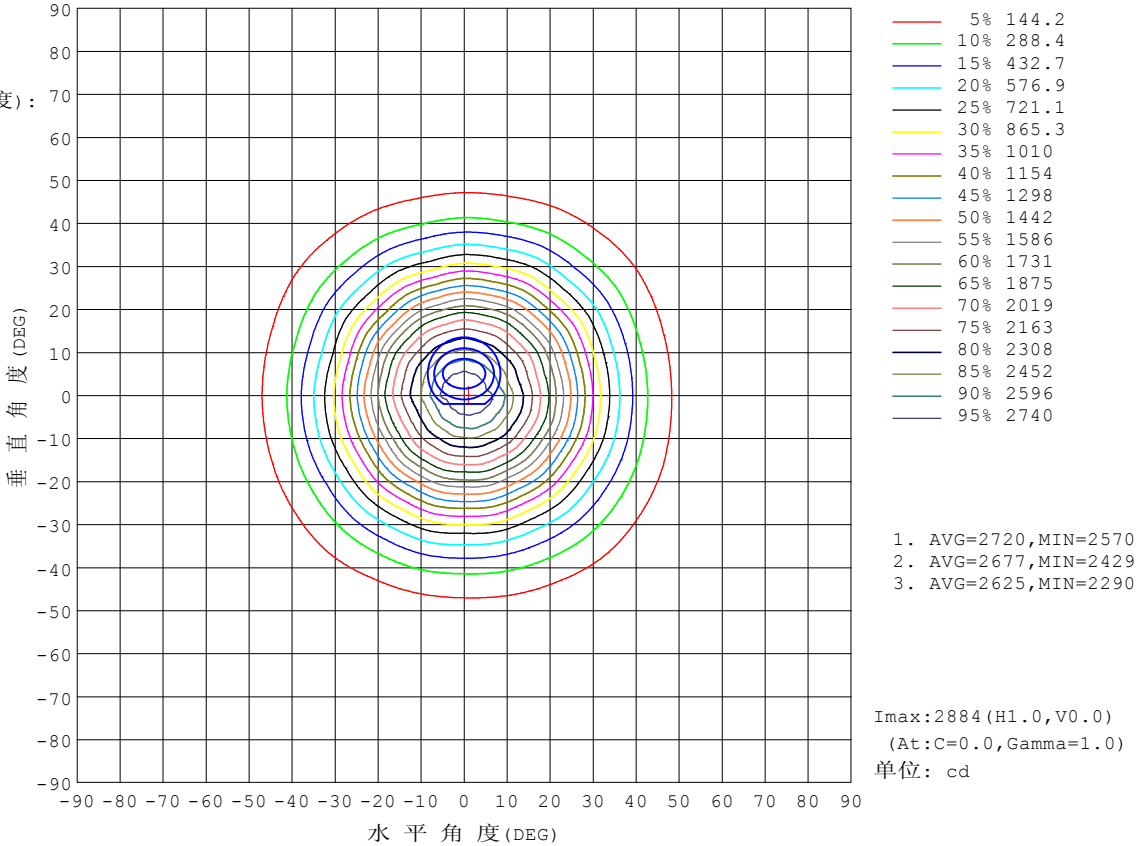
|   |              |       |
|---|--------------|-------|
| 实测参数: U:219.2V I:0.0970A P:20.05W PF:0.9425 实检光通:2107.03x1 lm |              |       |
| 灯具名称: 4吋飛耀_20W  | 灯具类型: KD     | 灯具重量: |
| 灯具规格: COB1205_5000K_80CRI                                     | 外型尺寸: 141*65 | 测试编号: |
| 制造厂商: STEMOD  | 发光口面:        | 保护角:  |

锥面光通量(90度):

1919.5 lm  
%lum = 91.1%  
%lamp = 91.1%

锥面光通量(120度):

2033.3 lm  
%lum = 96.5%  
%lamp = 96.5%

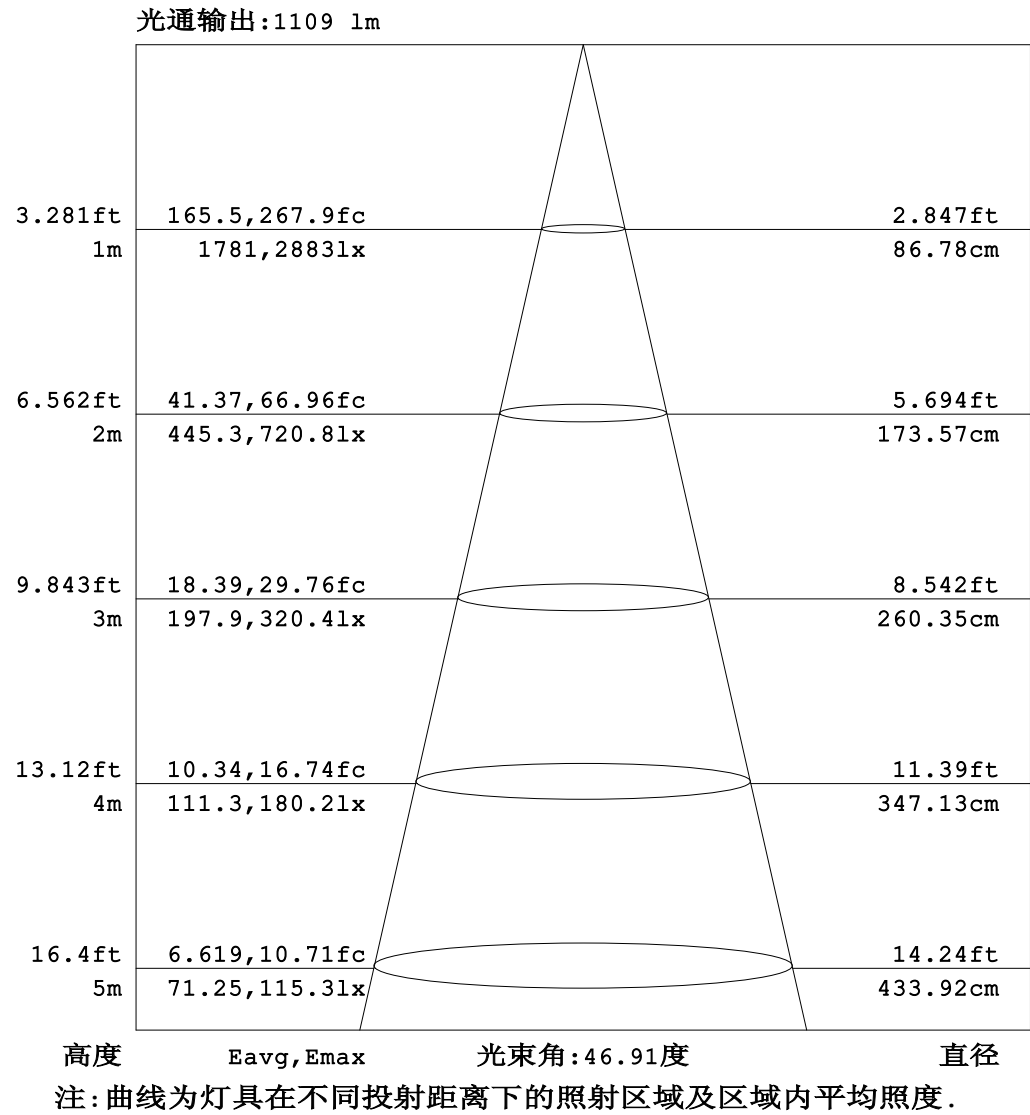


C角度范围: 0度 - 360度  
C角度间隔: 15.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: ljj  
测试日期: 20200611

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:219.2V I:0.0970A P:20.05W PF:0.9425 实检光通:2107.03x1 lm |              |       |
| 灯具名称: 4吋飛耀_20W  | 灯具类型:KD      | 灯具重量: |
| 灯具规格:COB1205_5000K_80CRI                                      | 外型尺寸: 141*65 | 测试编号: |
| 制造厂商: STEMOD  | 发光口面:        | 保护角:  |

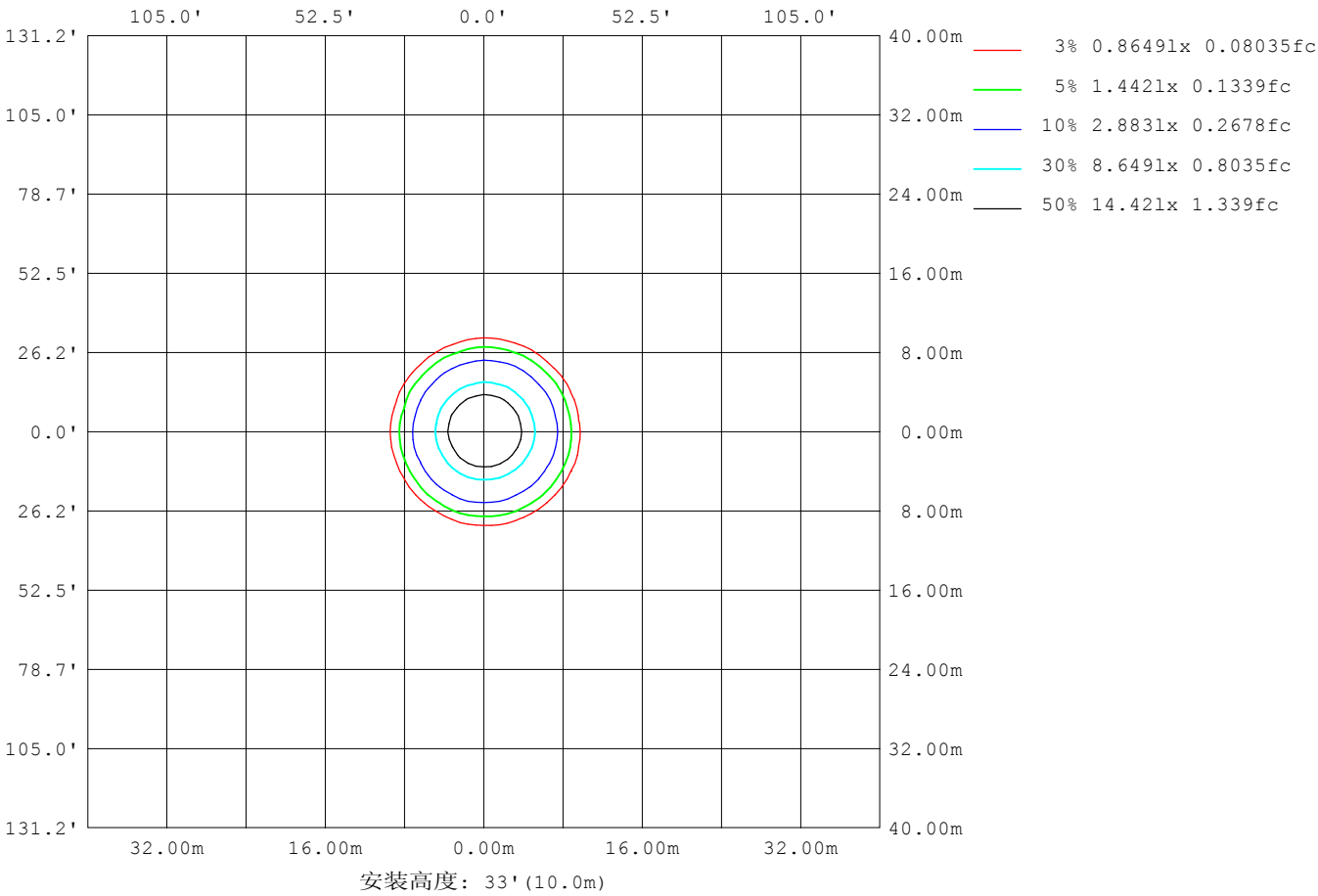


C角度范围: 0度 - 360度  
C角度间隔: 15.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: ljjz  
测试日期: 20200611

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

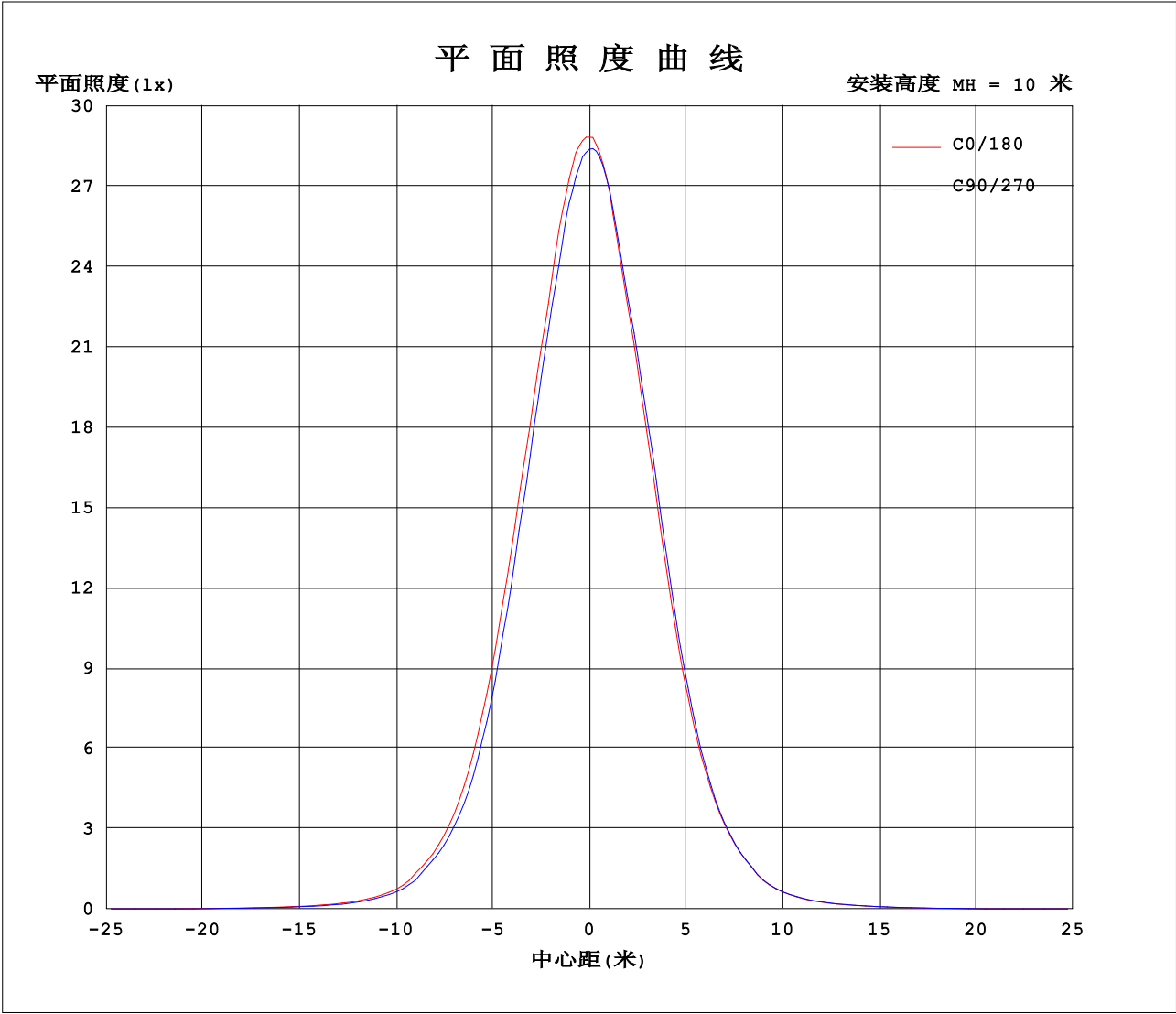
|   |              |       |
|---|--------------|-------|
| 实测参数: U:219.2V I:0.0970A P:20.05W PF:0.9425 实检光通:2107.03x1 lm |              |       |
| 灯具名称: 4吋飛耀_20W  | 灯具类型: KD     | 灯具重量: |
| 灯具规格: COB1205_5000K_80CRI                                     | 外型尺寸: 141*65 | 测试编号: |
| 制造厂商: STEMOD  | 发光口面:        | 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: ljlz  
测试日期: 20200611

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: ljj  
测试日期: 20200611

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:219.2V I:0.0970A P:20.05W PF:0.9425 实检光通:2107.03x1 lm |  |  |  |  |  |  |  |  |              |  |  |  |  |       |  |  |  |  |
| 灯具名称: 4吋飛耀_20W  |  |  |  |  |  |  |  |  | 灯具类型:KD      |  |  |  |  | 灯具重量: |  |  |  |  |
| 灯具规格:COB1205_5000K_80CRI                                      |  |  |  |  |  |  |  |  | 外型尺寸: 141*65 |  |  |  |  | 测试编号: |  |  |  |  |
| 制造厂商: STEMOD  |  |  |  |  |  |  |  |  | 发光口面:        |  |  |  |  | 保护角:  |  |  |  |  |

| 表--1               |      |      |      |      |      |      |      |      |      | 单位: cd |      |      |      |      |      |      |      |      |      |
|--------------------|------|------|------|------|------|------|------|------|------|--------|------|------|------|------|------|------|------|------|------|
| 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                  | 2883 | 2870 | 2862 | 2857 | 2847 | 2846 | 2838 | 2838 | 2832 | 2833   | 2825 | 2826 | 2883 | 2870 | 2862 | 2857 | 2847 | 2846 | 2838 |
| 5                  | 2809 | 2797 | 2770 | 2759 | 2736 | 2734 | 2715 | 2717 | 2703 | 2705   | 2696 | 2706 | 2770 | 2756 | 2766 | 2754 | 2763 | 2753 | 2764 |
| 10                 | 2564 | 2547 | 2510 | 2500 | 2462 | 2464 | 2435 | 2434 | 2403 | 2407   | 2394 | 2403 | 2460 | 2445 | 2468 | 2455 | 2484 | 2469 | 2489 |
| 15                 | 2233 | 2222 | 2187 | 2178 | 2133 | 2131 | 2100 | 2102 | 2082 | 2084   | 2058 | 2080 | 2137 | 2125 | 2156 | 2146 | 2178 | 2174 | 2196 |
| 20                 | 1854 | 1850 | 1798 | 1782 | 1730 | 1737 | 1704 | 1706 | 1681 | 1695   | 1662 | 1693 | 1731 | 1719 | 1752 | 1748 | 1774 | 1771 | 1805 |
| 25                 | 1428 | 1419 | 1363 | 1355 | 1294 | 1300 | 1268 | 1281 | 1249 | 1267   | 1235 | 1259 | 1286 | 1271 | 1296 | 1274 | 1312 | 1295 | 1341 |
| 30                 | 1006 | 1003 | 948  | 940  | 890  | 901  | 868  | 885  | 856  | 879    | 850  | 881  | 886  | 857  | 886  | 858  | 889  | 862  | 918  |
| 35                 | 648  | 646  | 608  | 609  | 572  | 579  | 564  | 577  | 554  | 563    | 546  | 568  | 574  | 537  | 562  | 540  | 561  | 545  | 583  |
| 40                 | 402  | 400  | 387  | 380  | 363  | 363  | 353  | 357  | 345  | 350    | 330  | 341  | 348  | 316  | 335  | 319  | 334  | 323  | 352  |
| 45                 | 209  | 213  | 203  | 201  | 191  | 190  | 182  | 183  | 174  | 177    | 171  | 176  | 182  | 176  | 178  | 171  | 176  | 173  | 182  |
| 50                 | 119  | 122  | 116  | 114  | 109  | 108  | 99.3 | 99.9 | 92.5 | 97.3   | 91.8 | 97.3 | 99.6 | 96.8 | 99.4 | 96.8 | 101  | 99.1 | 105  |
| 55                 | 68.9 | 70.9 | 67.8 | 66.1 | 63.1 | 61.6 | 57.6 | 54.7 | 52.9 | 53.9   | 53.4 | 54.5 | 59.1 | 58.3 | 59.4 | 58.4 | 60.3 | 59.9 | 61.8 |
| 60                 | 37.9 | 39.6 | 37.6 | 36.8 | 34.6 | 33.9 | 31.1 | 29.6 | 27.3 | 28.1   | 26.4 | 27.4 | 30.0 | 28.9 | 29.8 | 29.0 | 30.9 | 30.4 | 32.2 |
| 65                 | 10.3 | 11.6 | 10.1 | 9.76 | 8.33 | 8.02 | 6.54 | 6.03 | 4.93 | 5.04   | 4.44 | 4.22 | 6.57 | 6.42 | 6.64 | 6.56 | 6.87 | 6.79 | 7.25 |
| 70                 | 3.59 | 3.57 | 3.56 | 3.55 | 3.55 | 3.56 | 3.56 | 3.56 | 3.57 | 3.58   | 3.59 | 3.60 | 5.70 | 5.66 | 5.65 | 5.62 | 5.61 | 5.59 | 5.60 |
| 75                 | 3.71 | 3.70 | 3.68 | 3.67 | 3.67 | 3.67 | 3.68 | 3.68 | 3.69 | 3.70   | 3.71 | 3.71 | 5.45 | 5.40 | 5.40 | 5.37 | 5.37 | 5.34 | 5.36 |
| 80                 | 3.82 | 3.80 | 3.78 | 3.77 | 3.77 | 3.77 | 3.77 | 3.78 | 3.78 | 3.80   | 3.80 | 3.81 | 5.19 | 5.15 | 5.15 | 5.11 | 5.11 | 5.09 | 5.11 |
| 85                 | 3.91 | 3.88 | 3.87 | 3.86 | 3.85 | 3.85 | 3.86 | 3.87 | 3.87 | 3.87   | 3.88 | 3.89 | 4.98 | 4.94 | 4.93 | 4.90 | 4.89 | 4.87 | 4.88 |
| 90                 | 4.00 | 3.97 | 3.96 | 3.94 | 3.94 | 3.93 | 3.96 | 3.97 | 3.95 | 3.96   | 3.97 | 3.98 | 4.84 | 4.81 | 4.79 | 4.76 | 4.75 | 4.73 | 4.73 |
| 95                 | 4.13 | 4.11 | 4.09 | 4.07 | 4.07 | 4.07 | 4.09 | 4.08 | 4.09 | 4.10   | 4.12 | 4.12 | 4.83 | 4.80 | 4.78 | 4.75 | 4.73 | 4.71 | 4.70 |
| 100                | 4.33 | 4.30 | 4.29 | 4.27 | 4.28 | 4.26 | 4.28 | 4.28 | 4.31 | 4.32   | 4.35 | 4.36 | 4.98 | 4.95 | 4.91 | 4.88 | 4.84 | 4.83 | 4.80 |
| 105                | 4.66 | 4.62 | 4.61 | 4.59 | 4.60 | 4.59 | 4.62 | 4.63 | 4.66 | 4.68   | 4.72 | 4.72 | 5.31 | 5.28 | 5.22 | 5.19 | 5.13 | 5.11 | 5.08 |
| 110                | 5.12 | 5.08 | 5.09 | 5.06 | 5.08 | 5.06 | 5.12 | 5.11 | 5.17 | 5.19   | 5.25 | 5.25 | 5.86 | 5.82 | 5.75 | 5.71 | 5.63 | 5.61 | 5.56 |
| 115                | 5.78 | 5.75 | 5.76 | 5.73 | 5.76 | 5.76 | 5.81 | 5.82 | 5.88 | 5.90   | 5.97 | 5.97 | 6.62 | 6.58 | 6.49 | 6.44 | 6.35 | 6.33 | 6.26 |
| 120                | 6.63 | 6.59 | 6.61 | 6.59 | 6.64 | 6.62 | 6.69 | 6.70 | 6.77 | 6.79   | 6.86 | 6.85 | 7.60 | 7.54 | 7.44 | 7.38 | 7.28 | 7.24 | 7.16 |
| 125                | 7.65 | 7.61 | 7.64 | 7.62 | 7.67 | 7.67 | 7.74 | 7.74 | 7.82 | 7.84   | 7.92 | 7.91 | 8.74 | 8.68 | 8.55 | 8.50 | 8.38 | 8.34 | 8.25 |
| 130                | 8.82 | 8.78 | 8.81 | 8.80 | 8.86 | 8.85 | 8.93 | 8.94 | 9.01 | 9.03   | 9.11 | 9.09 | 9.99 | 9.93 | 9.80 | 9.74 | 9.61 | 9.57 | 9.47 |
| 135                | 10.1 | 10.0 | 10.1 | 10.1 | 10.1 | 10.1 | 10.2 | 10.2 | 10.3 | 10.3   | 10.4 | 10.3 | 11.3 | 11.2 | 11.1 | 11.0 | 10.9 | 10.8 | 10.7 |
| 140                | 11.4 | 11.3 | 11.3 | 11.3 | 11.4 | 11.4 | 11.4 | 11.4 | 11.5 | 11.5   | 11.6 | 11.6 | 12.5 | 12.4 | 12.3 | 12.2 | 12.1 | 12.1 | 12.0 |
| 145                | 12.6 | 12.5 | 12.6 | 12.5 | 12.6 | 12.6 | 12.6 | 12.6 | 12.7 | 12.7   | 12.7 | 12.7 | 13.7 | 13.6 | 13.5 | 13.4 | 13.3 | 13.2 | 13.1 |
| 150                | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.7 | 13.7   | 13.7 | 13.7 | 14.6 | 14.5 | 14.4 | 14.3 | 14.3 | 14.2 | 14.1 |
| 155                | 14.5 | 14.5 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4   | 14.5 | 14.5 | 15.3 | 15.2 | 15.1 | 15.0 | 15.0 | 14.9 | 14.8 |
| 160                | 15.1 | 15.0 | 15.0 | 14.9 | 14.9 | 14.9 | 14.8 | 14.9 | 14.9 | 14.9   | 14.9 | 15.0 | 15.7 | 15.6 | 15.5 | 15.4 | 15.4 | 15.3 | 15.3 |
| 165                | 15.4 | 15.4 | 15.3 | 15.3 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2   | 15.3 | 15.3 | 15.9 | 15.8 | 15.7 | 15.6 | 15.6 | 15.6 | 15.5 |
| 170                | 15.7 | 15.7 | 15.6 | 15.5 | 15.4 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5   | 15.5 | 15.6 | 16.0 | 15.9 | 15.9 | 15.8 | 15.8 | 15.7 | 15.7 |
| 175                | 16.1 | 16.0 | 15.9 | 15.9 | 15.9 | 15.9 | 15.9 | 15.9 | 15.9 | 15.9   | 15.9 | 15.9 | 16.2 | 16.1 | 16.1 | 16.1 | 16.0 | 16.0 | 16.0 |
| 180                | 16.4 | 16.4 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.2 | 16.2   | 16.2 | 16.2 | 16.4 | 16.3 | 16.3 | 16.2 | 16.3 | 16.2 | 16.3 |

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:20200611

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:

光 强 分 布 数 据 表 格

|   |              |       |
|---|--------------|-------|
| 实测参数: U:219.2V I:0.0970A P:20.05W PF:0.9425 实检光通:2107.03x1 lm |              |       |
| 灯具名称: 4吋飛耀_20W  | 灯具类型:KD      | 灯具重量: |
| 灯具规格:COB1205_5000K_80CRI                                      | 外型尺寸: 141*65 | 测试编号: |
| 制造厂商: STEMOD  | 发光口面:        | 保护角:  |

表--2

单位: cd

| C (DEG)<br>γ (DEG) | 285  | 300  | 315  | 330  | 345  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                  | 2838 | 2832 | 2833 | 2825 | 2826 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                  | 2751 | 2762 | 2754 | 2766 | 2751 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                 | 2478 | 2496 | 2482 | 2507 | 2491 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                 | 2182 | 2201 | 2187 | 2208 | 2185 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                 | 1807 | 1838 | 1826 | 1849 | 1825 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                 | 1348 | 1398 | 1398 | 1423 | 1412 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                 | 924  | 977  | 963  | 1008 | 987  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 581  | 620  | 604  | 651  | 635  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 351  | 373  | 371  | 392  | 396  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 181  | 194  | 195  | 205  | 204  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 103  | 108  | 108  | 116  | 116  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 62.8 | 65.5 | 66.7 | 69.0 | 69.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 33.2 | 35.7 | 35.9 | 38.3 | 38.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                 | 7.40 | 8.92 | 8.97 | 10.7 | 10.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 5.60 | 5.61 | 5.61 | 5.62 | 5.61 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                 | 5.35 | 5.38 | 5.38 | 5.40 | 5.39 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                 | 5.10 | 5.13 | 5.13 | 5.15 | 5.15 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                 | 4.88 | 4.90 | 4.90 | 4.93 | 4.93 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                 | 4.73 | 4.74 | 4.74 | 4.76 | 4.77 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                 | 4.70 | 4.70 | 4.70 | 4.71 | 4.71 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100                | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105                | 5.08 | 5.06 | 5.07 | 5.06 | 5.07 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110                | 5.56 | 5.53 | 5.53 | 5.51 | 5.52 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115                | 6.25 | 6.21 | 6.21 | 6.18 | 6.20 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120                | 7.15 | 7.09 | 7.09 | 7.06 | 7.07 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125                | 8.24 | 8.16 | 8.16 | 8.11 | 8.13 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130                | 9.46 | 9.37 | 9.37 | 9.30 | 9.33 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135                | 10.7 | 10.6 | 10.6 | 10.6 | 10.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140                | 12.0 | 11.9 | 11.9 | 11.8 | 11.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145                | 13.1 | 13.0 | 13.0 | 13.0 | 13.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150                | 14.1 | 14.0 | 14.0 | 14.0 | 14.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155                | 14.8 | 14.7 | 14.7 | 14.7 | 14.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160                | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165                | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170                | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175                | 16.0 | 15.9 | 15.9 | 15.9 | 15.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180                | 16.2 | 16.3 | 16.2 | 16.2 | 16.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |

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:20200611

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: