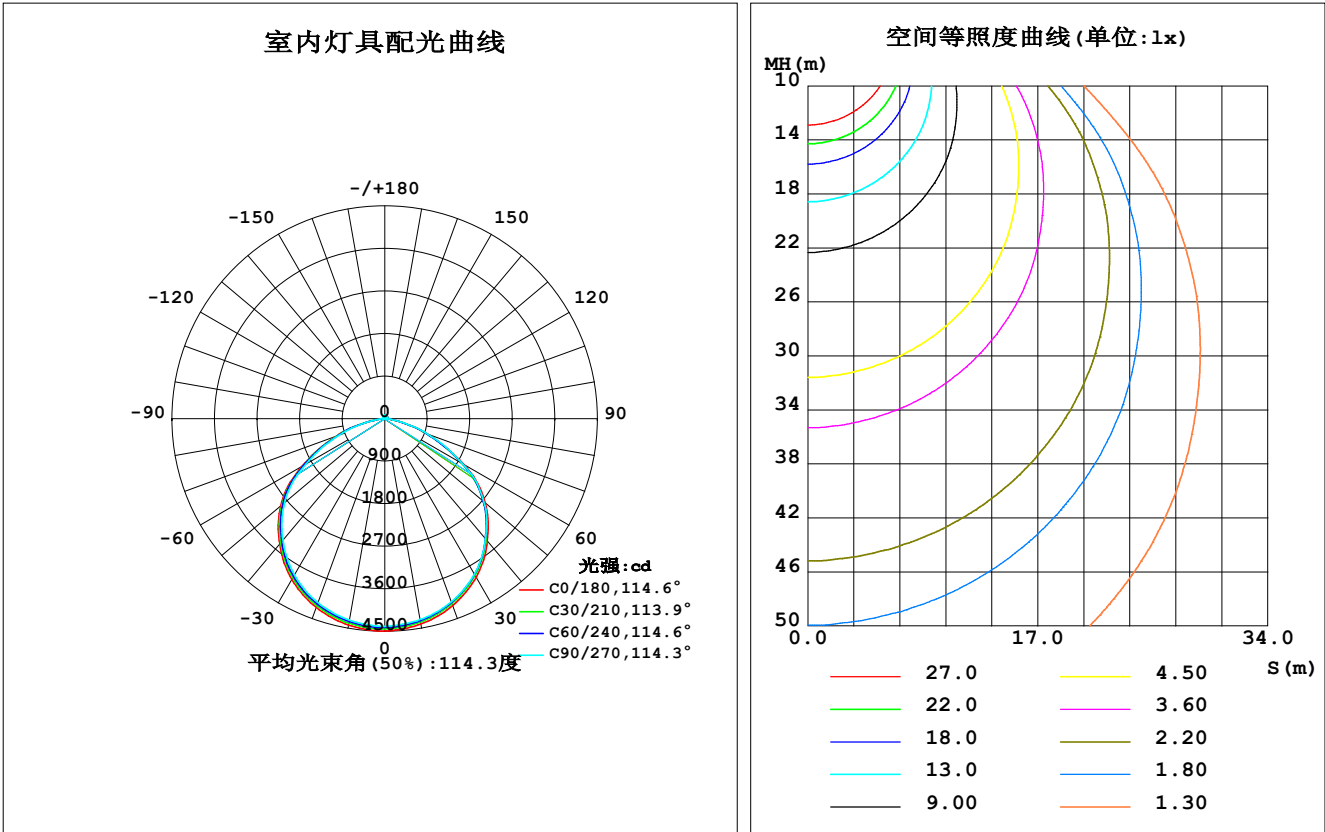


室内灯具光度数据

|                                                             |                  |             |
|-------------------------------------------------------------|------------------|-------------|
| 实测参数: U:120.0V I:0.4694A P:99.37W PF:0.9656 实检光通:12693±1 lm |                  |             |
| 灯具名称: 黑骑士-100W                                              | 灯具类型: Highbay    | 灯具重量: 2.8kg |
| 灯具规格: 100W_14000LM_120D                                     | 外型尺寸: φ280*120mm | 测试编号: 1     |
| 制造厂商: STEMOD                                                | 发光口面: φ165mm     | 保护角: 120    |

| 光源数据      |             | 光度数据     |       |                   |          | 光效: 127.74 lm/W |
|-----------|-------------|----------|-------|-------------------|----------|-----------------|
| 型号        | 5000K_80CRI | 峰值光强(cd) | 4495  | S/MH(C0/180)      | 1.30     |                 |
| 标称功率(W)   | 100         | 灯具效率(%)  | 100.0 | S/MH(C90/270)     | 1.29     |                 |
| 额定电源电压(V) | 120         | 总光通量(lm) | 12693 | η UP,DN(C0-180)   | 1.1,48.8 |                 |
| 额定光通量(lm) | 12693       | CIE分类    | 直接    | η UP,DN(C180-360) | 1.2,49.0 |                 |
| 灯具内光源数(只) | 1           | 上射光通比(%) | 2.2   | CIBSE SHR NOM     | 1.25     |                 |
| 实测电源电压(V) | 120         | 下射光通比(%) | 97.8  | CIBSE SHR MAX     | 1.35     |                 |



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: LLS  
测试日期: 2019-07-23

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: Eur

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       | 4411  | 4353  | 4313  | 4301  | 4434  | 4370  | 4328  | 4285  | 0- 10              | 417.0    | 417.0    | 3.29,3.29  |
| 20       | 4206  | 4154  | 4123  | 4126  | 4247  | 4189  | 4140  | 4090  | 10- 20             | 1202     | 1620     | 12.8,12.8  |
| 30       | 3873  | 3826  | 3798  | 3820  | 3933  | 3864  | 3817  | 3758  | 20- 30             | 1845     | 3464     | 27.3,27.3  |
| 40       | 3375  | 3336  | 3315  | 3372  | 3461  | 3398  | 3356  | 3294  | 30- 40             | 2256     | 5720     | 45.1,45.1  |
| 50       | 2777  | 2731  | 2737  | 2788  | 2873  | 2823  | 2768  | 2704  | 40- 50             | 2373     | 8093     | 63.8,63.8  |
| 60       | 1923  | 1906  | 1899  | 1950  | 2024  | 1972  | 1930  | 1827  | 50- 60             | 2130     | 10223    | 80.5,80.5  |
| 70       | 962.4 | 959.3 | 976.7 | 1069  | 1094  | 1053  | 1031  | 944.9 | 60- 70             | 1440     | 11663    | 91.9,91.9  |
| 80       | 207.1 | 208.7 | 228.9 | 284.7 | 288.7 | 274.4 | 262.8 | 198.0 | 70- 80             | 647.1    | 12310    | 97,97      |
| 90       | 28.14 | 27.90 | 28.10 | 28.99 | 36.12 | 35.64 | 34.81 | 33.76 | 80- 90             | 98.12    | 12408    | 97.8,97.8  |
| 100      | 32.05 | 31.70 | 31.29 | 30.62 | 37.04 | 36.55 | 36.51 | 36.74 | 90-100             | 34.91    | 12443    | 98,98      |
| 110      | 37.83 | 37.45 | 36.99 | 36.26 | 41.91 | 41.34 | 41.27 | 41.49 | 100-110            | 38.66    | 12482    | 98.3,98.3  |
| 120      | 43.47 | 43.02 | 42.54 | 41.84 | 46.60 | 46.01 | 45.90 | 46.02 | 110-120            | 41.46    | 12523    | 98.7,98.7  |
| 130      | 48.46 | 48.00 | 47.43 | 46.75 | 50.82 | 50.22 | 50.11 | 50.12 | 120-130            | 41.76    | 12565    | 99,99      |
| 140      | 53.46 | 52.92 | 52.31 | 51.60 | 55.14 | 54.48 | 54.36 | 54.35 | 130-140            | 39.53    | 12605    | 99.3,99.3  |
| 150      | 58.82 | 58.28 | 57.61 | 56.93 | 60.12 | 59.37 | 59.19 | 59.11 | 140-150            | 35.08    | 12640    | 99.6,99.6  |
| 160      | 64.15 | 63.50 | 62.81 | 62.22 | 65.17 | 64.25 | 63.95 | 63.79 | 150-160            | 28.20    | 12668    | 99.8,99.8  |
| 170      | 68.32 | 67.71 | 67.00 | 66.52 | 68.97 | 68.00 | 67.61 | 67.24 | 160-170            | 18.55    | 12686    | 99.9,99.9  |
| 180      | 70.38 | 69.77 | 69.03 | 68.74 | 70.63 | 69.54 | 69.20 | 68.62 | 170-180            | 6.521    | 12693    | 100,100    |
| 单位:°     | 光强:cd |       |       |       |       |       |       |       |                    | 单位:lm    |          |            |

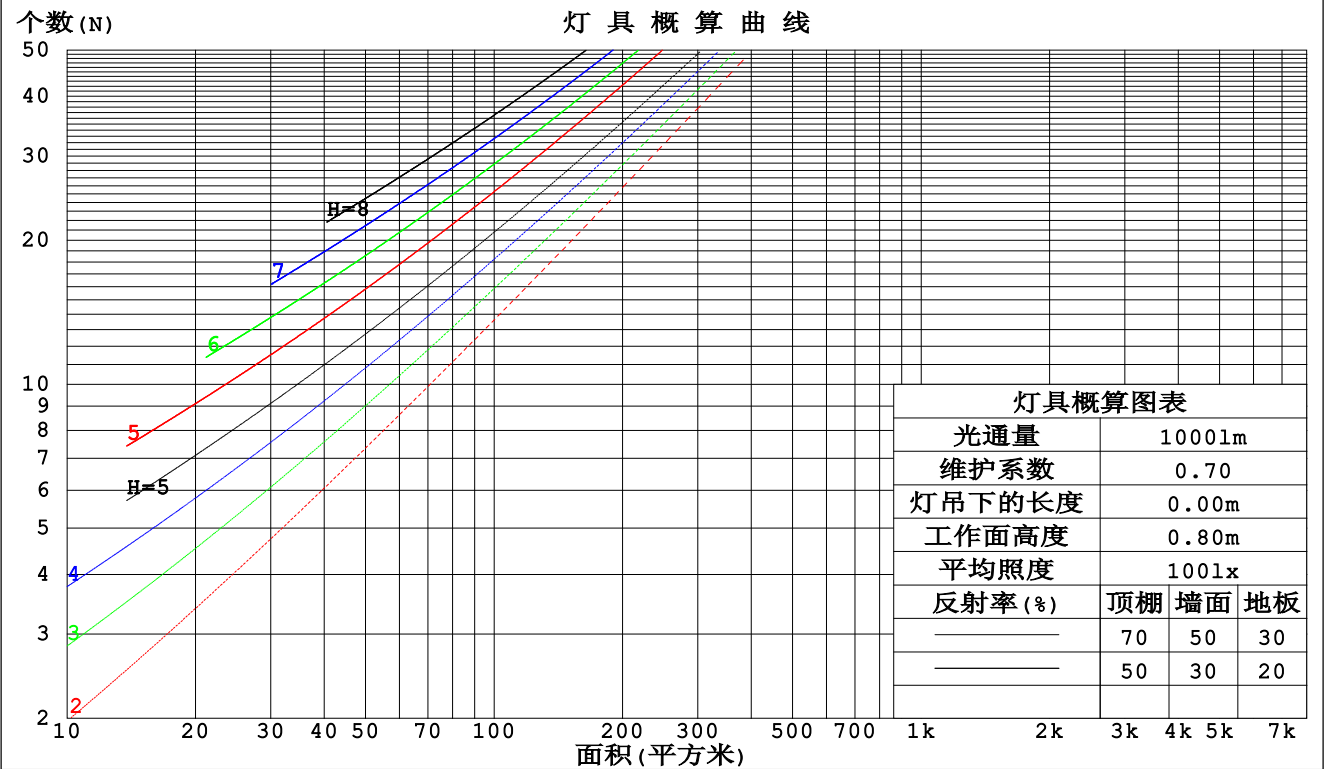
C角度范围: 0度 - 360度  
C角度间隔: 15.0度  
测试速度: 快速  
环境温度:25.3℃  
测试人员:LLS  
测试日期:2019-07-23

$\gamma$ 角度范围: 0度 - 180度  
 $\gamma$ 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: Eur

工作面利用系数和灯具概算曲线

|                                                             |                                              |             |
|-------------------------------------------------------------|----------------------------------------------|-------------|
| 实测参数: U:120.0V I:0.4694A P:99.37W PF:0.9656 实检光通:12693x1 lm |                                              |             |
| 灯具名称: 黑骑士-100W                                              | 灯具类型: Highbay                                | 灯具重量: 2.8kg |
| 灯具规格: 100W_14000LM_120D                                     | 外型尺寸: $\varnothing 280 \times 120 \text{mm}$ | 测试编号: 1     |
| 制造厂商: STEMOD                                                | 发光口面: $\varnothing 165 \text{mm}$            | 保护角: 120    |

|      |               |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |
|------|---------------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
| 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 | 1.15 | 1.15 | 1.15 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | .00 | .00 | .00 | .98 |
| 1.0  | 1.04          | 1.00 | .97  | 1.02 | .98  | .95  | .97  | .94  | .92  | .93  | .91  | .88  | .89 | .87 | .85 | .83 |
| 2.0  | .91           | .85  | .79  | .89  | .83  | .78  | .85  | .80  | .76  | .82  | .78  | .74  | .79 | .75 | .72 | .70 |
| 3.0  | .80           | .72  | .66  | .79  | .71  | .65  | .75  | .69  | .64  | .72  | .67  | .63  | .70 | .65 | .61 | .59 |
| 4.0  | .71           | .63  | .56  | .70  | .62  | .56  | .67  | .60  | .55  | .64  | .58  | .54  | .62 | .57 | .53 | .50 |
| 5.0  | .64           | .55  | .48  | .62  | .54  | .48  | .60  | .53  | .47  | .58  | .51  | .46  | .56 | .50 | .46 | .44 |
| 6.0  | .57           | .48  | .42  | .56  | .48  | .42  | .54  | .47  | .41  | .52  | .46  | .41  | .50 | .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  | .42 | .36 | .32 | .30 |
| 9.0  | .43           | .35  | .30  | .43  | .35  | .30  | .41  | .34  | .29  | .40  | .34  | .29  | .39 | .33 | .29 | .27 |
| 10.0 | .40           | .32  | .27  | .39  | .32  | .27  | .38  | .31  | .27  | .37  | .31  | .26  | .36 | .30 | .26 | .24 |



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: LLS  
测试日期: 2019-07-23

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: Eur

墙面和天花板利用系数

|                                                             |  |  |                  |  |            |
|-------------------------------------------------------------|--|--|------------------|--|------------|
| 实测参数: U:120.0V I:0.4694A P:99.37W PF:0.9656 实检光通:12693x1 lm |  |  |                  |  |            |
| 灯具名称: 黑骑士-100W                                              |  |  | 灯具类型:Highbay     |  | 灯具重量:2.8kg |
| 灯具规格:100W_14000LM_120D                                      |  |  | 外型尺寸: φ280*120mm |  | 测试编号:1     |
| 制造厂商: STEMOD                                                |  |  | 发光口面:φ165mm      |  | 保护角:120    |

|      |               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
|------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| 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  | .288          | .164 | .052 | .280 | .160 | .051 | .266 | .153 | .049 | .253 | .146 | .047 | .241 | .139 | .045 |   |
| 2.0  | .277          | .152 | .047 | .270 | .149 | .046 | .258 | .143 | .045 | .246 | .138 | .043 | .235 | .133 | .042 |   |
| 3.0  | .260          | .138 | .041 | .254 | .136 | .041 | .242 | .131 | .040 | .232 | .127 | .039 | .222 | .123 | .038 |   |
| 4.0  | .242          | .126 | .037 | .236 | .124 | .037 | .226 | .120 | .036 | .217 | .116 | .035 | .208 | .113 | .034 |   |
| 5.0  | .225          | .115 | .033 | .220 | .113 | .033 | .211 | .110 | .032 | .203 | .107 | .032 | .195 | .104 | .031 |   |
| 6.0  | .209          | .105 | .030 | .205 | .104 | .030 | .197 | .101 | .029 | .189 | .098 | .029 | .182 | .096 | .029 |   |
| 7.0  | .195          | .097 | .027 | .192 | .095 | .027 | .184 | .093 | .027 | .178 | .091 | .026 | .171 | .089 | .026 |   |
| 8.0  | .183          | .089 | .025 | .180 | .088 | .025 | .173 | .086 | .025 | .167 | .085 | .024 | .161 | .083 | .024 |   |
| 9.0  | .172          | .083 | .023 | .169 | .082 | .023 | .163 | .080 | .023 | .157 | .079 | .023 | .152 | .077 | .022 |   |
| 10.0 | .162          | .078 | .022 | .159 | .077 | .021 | .154 | .075 | .021 | .149 | .074 | .021 | .144 | .072 | .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  | .208    | .208 | .208 | .177 | .177 | .177 | .121 | .121 | .121 | .070 | .070 | .070 | .022 | .022 | .022 |   |
| 1.0  | .196    | .174 | .153 | .168 | .149 | .132 | .115 | .102 | .091 | .066 | .059 | .053 | .021 | .019 | .017 |   |
| 2.0  | .188    | .149 | .117 | .161 | .129 | .101 | .110 | .089 | .071 | .064 | .052 | .041 | .020 | .017 | .013 |   |
| 3.0  | .180    | .132 | .093 | .154 | .114 | .081 | .106 | .079 | .057 | .061 | .046 | .033 | .020 | .015 | .011 |   |
| 4.0  | .173    | .118 | .077 | .148 | .102 | .067 | .102 | .071 | .047 | .059 | .042 | .028 | .019 | .014 | .009 |   |
| 5.0  | .165    | .108 | .066 | .142 | .093 | .057 | .098 | .065 | .040 | .057 | .038 | .024 | .018 | .012 | .008 |   |
| 6.0  | .158    | .100 | .057 | .136 | .086 | .050 | .094 | .060 | .035 | .055 | .036 | .021 | .018 | .012 | .007 |   |
| 7.0  | .152    | .093 | .051 | .131 | .080 | .045 | .090 | .056 | .032 | .052 | .033 | .019 | .017 | .011 | .006 |   |
| 8.0  | .146    | .087 | .047 | .125 | .075 | .041 | .087 | .053 | .029 | .050 | .031 | .017 | .016 | .010 | .006 |   |
| 9.0  | .140    | .082 | .043 | .120 | .071 | .038 | .083 | .050 | .027 | .049 | .030 | .016 | .016 | .010 | .005 |   |
| 10.0 | .134    | .078 | .040 | .116 | .068 | .035 | .080 | .048 | .025 | .047 | .028 | .015 | .015 | .009 | .005 |   |

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:LLS  
测试日期:2019-07-23

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: Eur

UGR(Unified Glare Rating)数据表

|                                                          |                       |      |      |      |                                              |                     |      |             |      |      |
|----------------------------------------------------------|-----------------------|------|------|------|----------------------------------------------|---------------------|------|-------------|------|------|
| 实测参数: U:120.0V I:0.4694A P:99.37W PF:0.9656 实检光通:12693lm |                       |      |      |      |                                              |                     |      |             |      |      |
| 灯具名称: 黑骑士-100W                                           |                       |      |      |      | 灯具类型: Highbay                                |                     |      | 灯具重量: 2.8kg |      |      |
| 灯具规格: 100W_14000LM_120D                                  |                       |      |      |      | 外型尺寸: $\varnothing 280 \times 120 \text{mm}$ |                     |      | 测试编号: 1     |      |      |
| 制造厂商: STEMOD                                             |                       |      |      |      | 发光口面: $\varnothing 165 \text{mm}$            |                     |      | 保护角: 120    |      |      |
| 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                                            | 31.1                  | 32.6 | 31.4 | 32.8 | 33.0                                         | 31.1                | 32.5 | 31.4        | 32.8 | 33.0 |
| 3H                                                       | 32.2                  | 33.5 | 32.5 | 33.8 | 34.1                                         | 32.2                | 33.5 | 32.5        | 33.8 | 34.1 |
| 4H                                                       | 32.5                  | 33.8 | 32.8 | 34.0 | 34.3                                         | 32.5                | 33.8 | 32.8        | 34.1 | 34.4 |
| 6H                                                       | 32.6                  | 33.7 | 32.9 | 34.1 | 34.4                                         | 32.6                | 33.8 | 32.9        | 34.1 | 34.4 |
| 8H                                                       | 32.5                  | 33.7 | 32.9 | 34.0 | 34.3                                         | 32.6                | 33.7 | 32.9        | 34.0 | 34.4 |
| 12H                                                      | 32.5                  | 33.6 | 32.9 | 33.9 | 34.3                                         | 32.5                | 33.6 | 32.9        | 34.0 | 34.3 |
| 4H 2H                                                    | 31.6                  | 32.8 | 31.9 | 33.1 | 33.4                                         | 31.5                | 32.8 | 31.9        | 33.1 | 33.4 |
| 3H                                                       | 32.8                  | 33.9 | 33.2 | 34.2 | 34.6                                         | 32.8                | 33.9 | 33.2        | 34.2 | 34.6 |
| 4H                                                       | 33.2                  | 34.2 | 33.6 | 34.5 | 34.9                                         | 33.2                | 34.2 | 33.6        | 34.6 | 34.9 |
| 6H                                                       | 33.3                  | 34.2 | 33.7 | 34.6 | 35.0                                         | 33.3                | 34.2 | 33.8        | 34.6 | 35.0 |
| 8H                                                       | 33.3                  | 34.1 | 33.7 | 34.5 | 34.9                                         | 33.3                | 34.2 | 33.8        | 34.6 | 35.0 |
| 12H                                                      | 33.3                  | 34.0 | 33.7 | 34.4 | 34.9                                         | 33.3                | 34.1 | 33.8        | 34.5 | 34.9 |
| 8H 4H                                                    | 33.2                  | 34.1 | 33.7 | 34.5 | 34.9                                         | 33.3                | 34.1 | 33.7        | 34.5 | 34.9 |
| 6H                                                       | 33.4                  | 34.1 | 33.9 | 34.5 | 35.0                                         | 33.5                | 34.1 | 33.9        | 34.6 | 35.1 |
| 8H                                                       | 33.4                  | 34.0 | 33.9 | 34.5 | 35.0                                         | 33.5                | 34.1 | 34.0        | 34.5 | 35.0 |
| 12H                                                      | 33.4                  | 33.9 | 33.9 | 34.4 | 34.9                                         | 33.5                | 34.0 | 34.0        | 34.5 | 35.0 |
| 12H 4H                                                   | 33.2                  | 34.0 | 33.7 | 34.4 | 34.8                                         | 33.2                | 34.0 | 33.7        | 34.4 | 34.9 |
| 6H                                                       | 33.4                  | 34.0 | 33.9 | 34.5 | 35.0                                         | 33.4                | 34.0 | 33.9        | 34.5 | 35.0 |
| 8H                                                       | 33.4                  | 33.9 | 33.9 | 34.4 | 34.9                                         | 33.5                | 34.0 | 34.0        | 34.5 | 35.0 |
| 不同间隔布灯时, 观察者位置引起的UGR变化:                                  |                       |      |      |      |                                              |                     |      |             |      |      |
| S = 1.0H                                                 | + 0.2 / - 0.3         |      |      |      |                                              | + 0.2 / - 0.3       |      |             |      |      |
| 1.5H                                                     | + 0.3 / - 0.6         |      |      |      |                                              | + 0.3 / - 0.6       |      |             |      |      |
| 2.0H                                                     | + 0.4 / - 0.5         |      |      |      |                                              | + 0.4 / - 0.5       |      |             |      |      |

依据CIE Pub.117计算, 表格已按12693lm光源光通进行修正 ( $81 \log(F/F_0) = 8.8$ ).

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: LLS  
 测试日期: 2019-07-23

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: Eur

## UF利用系数表

|                                                             |                                              |             |
|-------------------------------------------------------------|----------------------------------------------|-------------|
| 实测参数: U:120.0V I:0.4694A P:99.37W PF:0.9656 实检光通:12693x1 lm |                                              |             |
| 灯具名称: 黑骑士-100W                                              | 灯具类型: Highbay                                | 灯具重量: 2.8kg |
| 灯具规格: 100W_14000LM_120D                                     | 外型尺寸: $\varnothing 280 \times 120 \text{mm}$ | 测试编号: 1     |
| 制造厂商: STEMOD                                                | 发光口面: $\varnothing 165 \text{mm}$            | 保护角: 120    |

| 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 (%) $k(RI) \times RCR = 5$ |     |     |     |     |     |                     |     |     |         |
| $k = 0.60$                 | 57                                                  | 46  | 39  | 57  | 46  | 39  | 55                  | 45  | 39  | 32      |
| 0.80                       | 68                                                  | 56  | 49  | 67  | 56  | 49  | 65                  | 55  | 48  | 41      |
| 1.00                       | 76                                                  | 66  | 58  | 75  | 65  | 58  | 73                  | 66  | 57  | 50      |
| 1.25                       | 84                                                  | 73  | 66  | 82  | 73  | 66  | 79                  | 71  | 65  | 58      |
| 1.50                       | 89                                                  | 79  | 72  | 87  | 78  | 72  | 84                  | 76  | 70  | 63      |
| 2.00                       | 96                                                  | 87  | 81  | 94  | 86  | 80  | 90                  | 84  | 78  | 70      |
| 2.50                       | 99                                                  | 92  | 86  | 97  | 90  | 85  | 93                  | 87  | 83  | 74      |
| 3.00                       | 103                                                 | 96  | 91  | 100 | 94  | 90  | 96                  | 91  | 87  | 78      |
| 4.00                       | 106                                                 | 101 | 97  | 104 | 99  | 95  | 99                  | 95  | 92  | 83      |
| 5.00                       | 109                                                 | 104 | 100 | 106 | 102 | 99  | 101                 | 98  | 95  | 85      |
| 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: LLS  
 测试日期: 2019-07-23

$\gamma$ 角度范围: 0度 - 180度  
 $\gamma$ 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: Eur

灯 具 等 光 强 曲 线

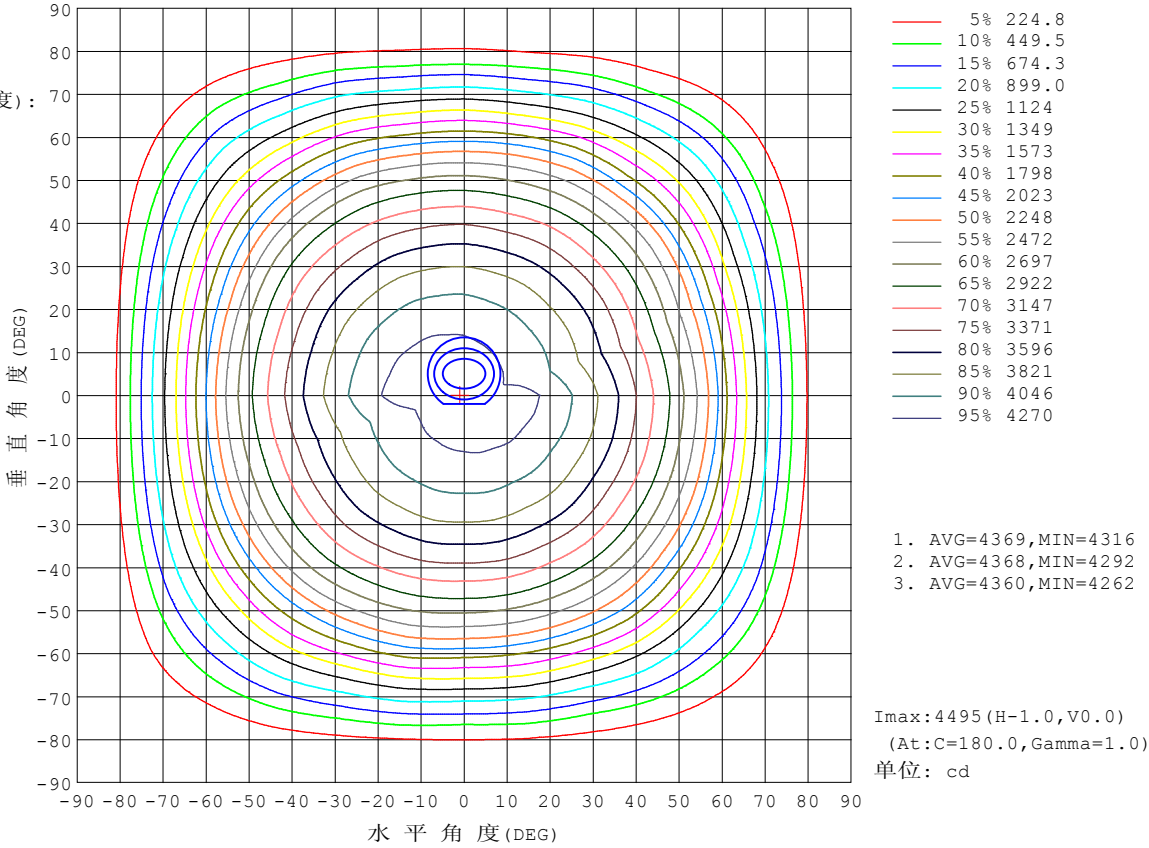
|                                                             |                  |            |
|-------------------------------------------------------------|------------------|------------|
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| 灯具规格:100W_14000LM_120D                                      | 外型尺寸: φ280*120mm | 测试编号:1     |
| 制造厂商: STEMOD                                                | 发光口面:φ165mm      | 保护角:120    |

锥面光通量(90度):

6911.1 lm  
%lum = 54.4%  
%lamp = 54.4%

锥面光通量(120度):

10223 lm  
%lum = 80.5%  
%lamp = 80.5%

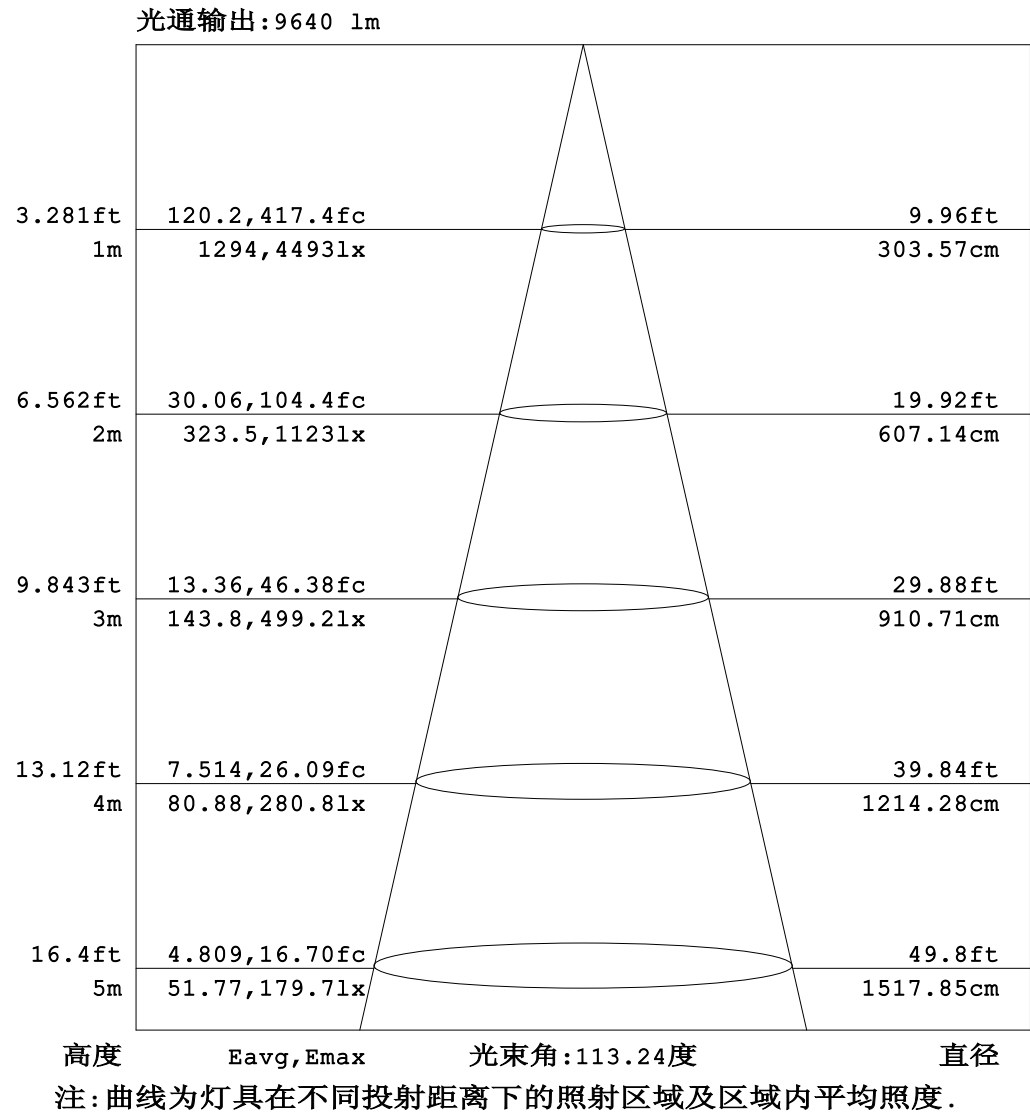


C角度范围: 0度 - 360度  
C角度间隔: 15.0度  
测试速度: 快速  
环境温度:25.3℃  
测试人员:LLS  
测试日期:2019-07-23

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: Eur

灯 具 有 效 平 均 照 度 图

|                                                             |                  |            |
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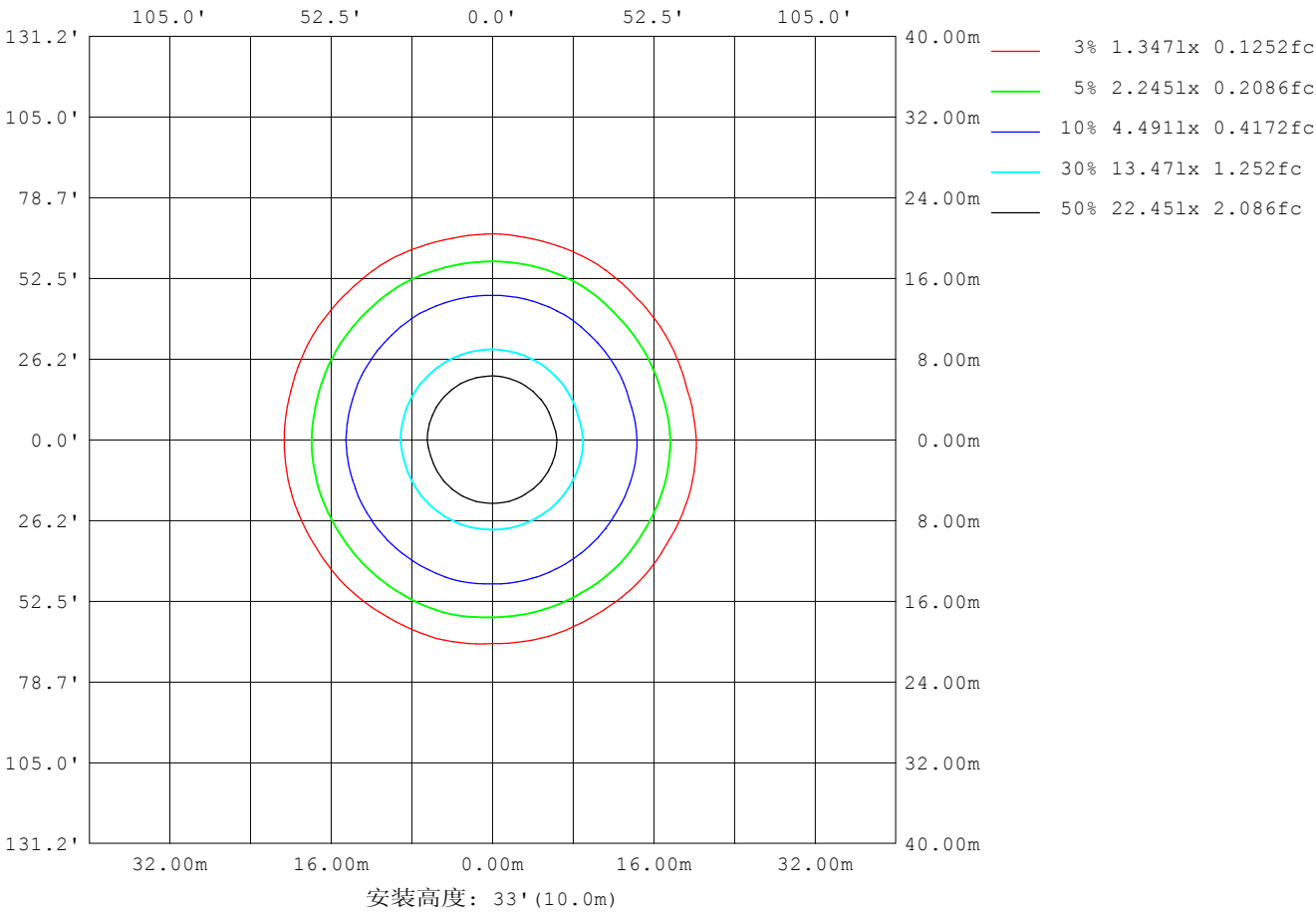


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C角度间隔: 15.0度  
测试速度: 快速  
环境温度:25.3℃  
测试人员:LLS  
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γ角度间隔: 1.0度  
测试系统: 远方(EVERFINE)GO-2000B\_V1系统 V2.0.287  
环境湿度:65.0%  
测试距离:5.900米 [K=1.0000]  
备注: Eur

平面等照度曲线

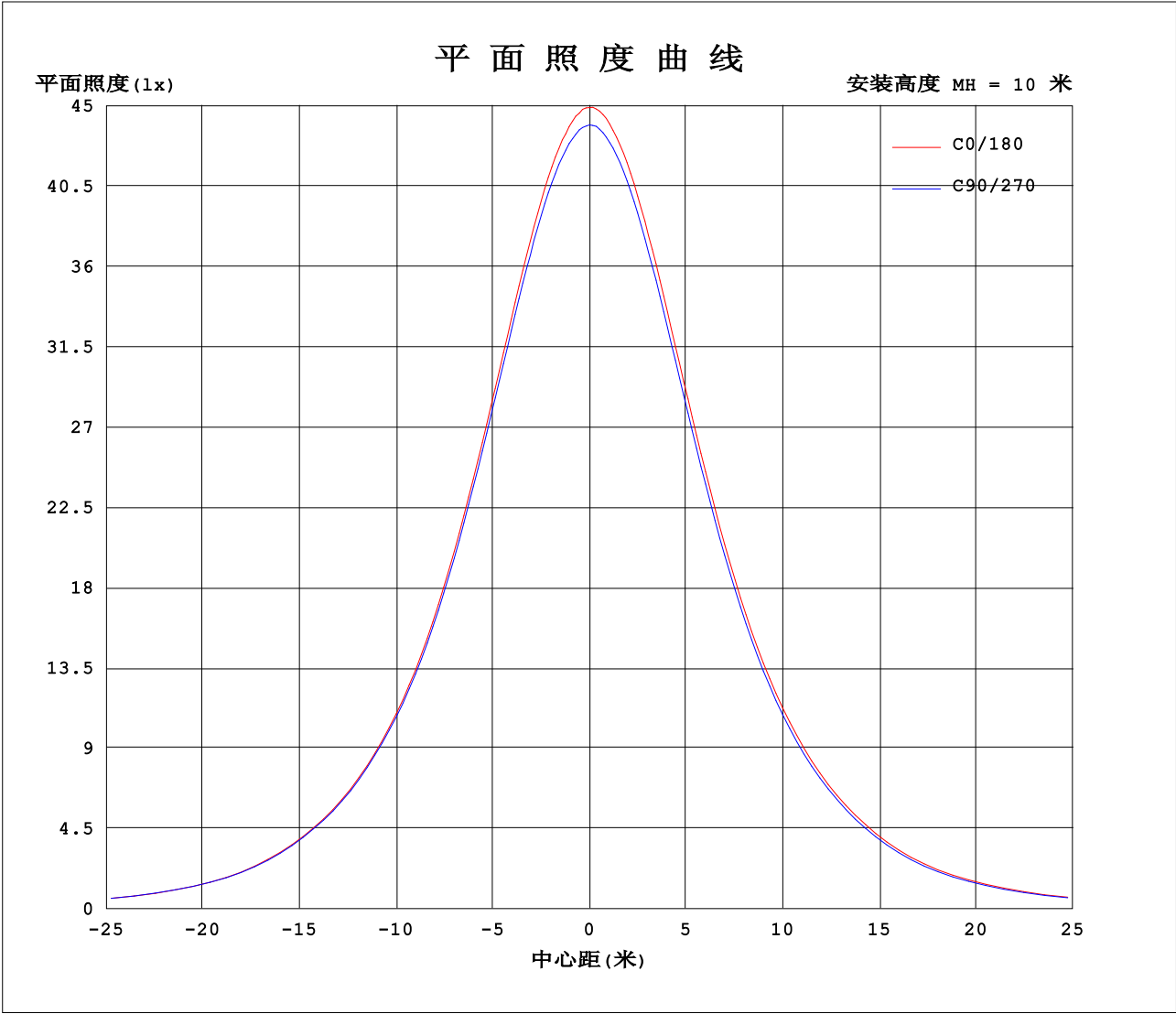
|                                                             |                                              |             |
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| 制造厂商: STEMOD                                                | 发光口面: $\varnothing 165 \text{mm}$            | 保护角: 120    |



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C角度间隔: 15.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: LLS  
测试日期: 2019-07-23

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: Eur

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: LLS  
测试日期: 2019-07-23

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: Eur

光 强 分 布 数 据 表 格

|                                                             |                  |            |
|-------------------------------------------------------------|------------------|------------|
| 实测参数: U:120.0V I:0.4694A P:99.37W PF:0.9656 实检光通:12693x1 lm |                  |            |
| 灯具名称: 黑骑士-100W                                              | 灯具类型:Highbay     | 灯具重量:2.8kg |
| 灯具规格:100W_14000LM_120D                                      | 外型尺寸: φ280*120mm | 测试编号:1     |
| 制造厂商: STEMOD                                                | 发光口面:φ165mm      | 保护角:120    |

| 表--1    |         | 单位: cd |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|---------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| γ (DEG) | C (DEG) | 0      | 15   | 30   | 45   | 60   | 75   | 90   | 105  | 120  | 135  | 150  | 165  | 180  | 195  | 210  | 225  | 240  | 255  | 270  |
| 0       | 0       | 4491   | 4474 | 4449 | 4432 | 4416 | 4403 | 4394 | 4378 | 4373 | 4362 | 4357 | 4350 | 4491 | 4474 | 4449 | 4432 | 4416 | 4403 | 4394 |
| 5       | 5       | 4466   | 4443 | 4422 | 4404 | 4388 | 4381 | 4367 | 4359 | 4348 | 4349 | 4339 | 4337 | 4481 | 4454 | 4438 | 4413 | 4409 | 4387 | 4375 |
| 10      | 10      | 4411   | 4389 | 4368 | 4353 | 4340 | 4329 | 4313 | 4311 | 4300 | 4301 | 4292 | 4291 | 4434 | 4408 | 4392 | 4370 | 4360 | 4340 | 4328 |
| 15      | 15      | 4325   | 4309 | 4284 | 4273 | 4254 | 4251 | 4238 | 4236 | 4227 | 4230 | 4222 | 4221 | 4356 | 4338 | 4318 | 4295 | 4286 | 4260 | 4250 |
| 20      | 20      | 4206   | 4189 | 4164 | 4154 | 4136 | 4133 | 4123 | 4123 | 4117 | 4126 | 4119 | 4118 | 4247 | 4226 | 4214 | 4189 | 4176 | 4152 | 4140 |
| 25      | 25      | 4052   | 4040 | 4011 | 4007 | 3985 | 3986 | 3978 | 3988 | 3979 | 3984 | 3978 | 3982 | 4107 | 4085 | 4069 | 4047 | 4037 | 4009 | 3997 |
| 30      | 30      | 3873   | 3855 | 3825 | 3826 | 3803 | 3809 | 3798 | 3812 | 3806 | 3820 | 3809 | 3819 | 3933 | 3904 | 3891 | 3864 | 3860 | 3830 | 3817 |
| 35      | 35      | 3646   | 3634 | 3600 | 3602 | 3581 | 3588 | 3577 | 3597 | 3596 | 3617 | 3607 | 3613 | 3718 | 3684 | 3680 | 3650 | 3644 | 3616 | 3606 |
| 40      | 40      | 3375   | 3365 | 3333 | 3336 | 3312 | 3327 | 3315 | 3341 | 3348 | 3372 | 3363 | 3377 | 3461 | 3430 | 3427 | 3398 | 3394 | 3366 | 3356 |
| 45      | 45      | 3093   | 3082 | 3047 | 3048 | 3035 | 3045 | 3045 | 3065 | 3078 | 3095 | 3097 | 3115 | 3188 | 3155 | 3159 | 3130 | 3117 | 3092 | 3081 |
| 50      | 50      | 2777   | 2753 | 2728 | 2731 | 2719 | 2731 | 2737 | 2766 | 2774 | 2788 | 2795 | 2806 | 2873 | 2840 | 2842 | 2823 | 2817 | 2782 | 2768 |
| 55      | 55      | 2408   | 2392 | 2350 | 2368 | 2369 | 2378 | 2380 | 2432 | 2419 | 2441 | 2442 | 2463 | 2508 | 2464 | 2468 | 2447 | 2461 | 2410 | 2397 |
| 60      | 60      | 1923   | 1907 | 1868 | 1906 | 1879 | 1887 | 1899 | 1966 | 1952 | 1950 | 1968 | 2014 | 2024 | 1985 | 1988 | 1972 | 1986 | 1934 | 1930 |
| 65      | 65      | 1415   | 1436 | 1393 | 1412 | 1395 | 1434 | 1422 | 1479 | 1472 | 1516 | 1510 | 1548 | 1547 | 1527 | 1540 | 1506 | 1520 | 1466 | 1471 |
| 70      | 70      | 962    | 986  | 939  | 959  | 944  | 990  | 977  | 1030 | 1020 | 1069 | 1070 | 1102 | 1094 | 1073 | 1089 | 1053 | 1065 | 1022 | 1031 |
| 75      | 75      | 550    | 575  | 535  | 557  | 552  | 590  | 576  | 629  | 623  | 675  | 670  | 712  | 683  | 657  | 690  | 647  | 678  | 623  | 634  |
| 80      | 80      | 207    | 209  | 200  | 209  | 215  | 227  | 229  | 232  | 253  | 285  | 291  | 315  | 289  | 280  | 307  | 274  | 287  | 255  | 263  |
| 85      | 85      | 52.1   | 52.6 | 50.2 | 51.8 | 50.8 | 54.9 | 53.5 | 60.4 | 64.0 | 72.0 | 71.9 | 89.3 | 80.0 | 80.1 | 87.2 | 76.5 | 78.4 | 68.4 | 67.5 |
| 90      | 90      | 28.1   | 28.1 | 27.8 | 27.9 | 28.0 | 28.2 | 28.1 | 28.7 | 28.5 | 29.0 | 29.0 | 29.5 | 36.1 | 35.9 | 36.1 | 35.6 | 35.8 | 34.8 | 34.8 |
| 95      | 95      | 29.4   | 29.2 | 29.2 | 29.0 | 29.0 | 28.8 | 28.7 | 28.4 | 28.3 | 28.0 | 28.0 | 27.7 | 34.8 | 34.6 | 34.4 | 34.3 | 34.3 | 34.3 | 34.3 |
| 100     | 100     | 32.1   | 31.9 | 31.9 | 31.7 | 31.6 | 31.4 | 31.3 | 31.0 | 30.9 | 30.6 | 30.5 | 30.3 | 37.0 | 36.8 | 36.6 | 36.5 | 36.5 | 36.5 | 36.5 |
| 105     | 105     | 34.9   | 34.8 | 34.7 | 34.5 | 34.5 | 34.2 | 34.1 | 33.8 | 33.7 | 33.4 | 33.3 | 33.0 | 39.4 | 39.2 | 39.0 | 38.9 | 38.8 | 38.9 | 38.9 |
| 110     | 110     | 37.8   | 37.7 | 37.6 | 37.4 | 37.3 | 37.1 | 37.0 | 36.7 | 36.5 | 36.3 | 36.1 | 35.8 | 41.9 | 41.7 | 41.4 | 41.3 | 41.3 | 41.3 | 41.3 |
| 115     | 115     | 40.7   | 40.6 | 40.5 | 40.3 | 40.2 | 40.0 | 39.8 | 39.6 | 39.4 | 39.1 | 38.9 | 38.7 | 44.3 | 44.1 | 43.9 | 43.7 | 43.7 | 43.7 | 43.7 |
| 120     | 120     | 43.5   | 43.3 | 43.2 | 43.0 | 42.9 | 42.7 | 42.5 | 42.3 | 42.1 | 41.8 | 41.7 | 41.4 | 46.6 | 46.3 | 46.2 | 46.0 | 45.9 | 45.9 | 45.9 |
| 125     | 125     | 46.0   | 45.9 | 45.7 | 45.6 | 45.4 | 45.2 | 45.1 | 44.8 | 44.6 | 44.3 | 44.2 | 43.9 | 48.7 | 48.5 | 48.3 | 48.1 | 48.0 | 48.0 | 48.0 |
| 130     | 130     | 48.5   | 48.3 | 48.2 | 48.0 | 47.8 | 47.6 | 47.4 | 47.2 | 47.0 | 46.7 | 46.6 | 46.3 | 50.8 | 50.6 | 50.4 | 50.2 | 50.1 | 50.1 | 50.1 |
| 135     | 135     | 50.9   | 50.8 | 50.6 | 50.4 | 50.3 | 50.0 | 49.9 | 49.6 | 49.4 | 49.1 | 49.0 | 48.7 | 52.9 | 52.6 | 52.4 | 52.2 | 52.2 | 52.2 | 52.1 |
| 140     | 140     | 53.5   | 53.3 | 53.1 | 52.9 | 52.7 | 52.5 | 52.3 | 52.0 | 51.9 | 51.6 | 51.4 | 51.2 | 55.1 | 54.9 | 54.7 | 54.5 | 54.4 | 54.4 | 54.4 |
| 145     | 145     | 56.1   | 56.0 | 55.7 | 55.6 | 55.4 | 55.1 | 54.9 | 54.7 | 54.5 | 54.2 | 54.0 | 53.8 | 57.6 | 57.2 | 57.1 | 56.9 | 56.8 | 56.7 | 56.7 |
| 150     | 150     | 58.8   | 58.7 | 58.5 | 58.3 | 58.1 | 57.9 | 57.6 | 57.4 | 57.1 | 56.9 | 56.7 | 56.5 | 60.1 | 59.8 | 59.5 | 59.4 | 59.3 | 59.2 | 59.2 |
| 155     | 155     | 61.6   | 61.4 | 61.1 | 61.0 | 60.7 | 60.5 | 60.3 | 60.0 | 59.8 | 59.6 | 59.4 | 59.2 | 62.7 | 62.3 | 62.1 | 61.8 | 61.8 | 61.7 | 61.6 |
| 160     | 160     | 64.1   | 64.0 | 63.7 | 63.5 | 63.2 | 63.1 | 62.8 | 62.6 | 62.4 | 62.2 | 62.0 | 61.8 | 65.2 | 64.8 | 64.5 | 64.2 | 64.2 | 64.0 | 63.9 |
| 165     | 165     | 66.4   | 66.3 | 65.9 | 65.8 | 65.5 | 65.4 | 65.2 | 65.0 | 64.7 | 64.6 | 64.3 | 64.1 | 67.3 | 66.8 | 66.7 | 66.3 | 66.2 | 66.0 | 66.0 |
| 170     | 170     | 68.3   | 68.2 | 67.8 | 67.7 | 67.4 | 67.3 | 67.0 | 66.9 | 66.7 | 66.5 | 66.3 | 66.1 | 69.0 | 68.4 | 68.3 | 68.0 | 67.9 | 67.7 | 67.6 |
| 175     | 175     | 69.7   | 69.6 | 69.2 | 69.1 | 68.7 | 68.7 | 68.4 | 68.3 | 68.1 | 67.9 | 67.7 | 67.6 | 70.2 | 69.6 | 69.5 | 69.1 | 69.1 | 68.8 | 68.7 |
| 180     | 180     | 70.4   | 70.3 | 69.8 | 69.8 | 69.3 | 69.4 | 69.0 | 69.0 | 68.8 | 68.7 | 68.5 | 68.4 | 70.6 | 70.1 | 70.0 | 69.5 | 69.5 | 69.2 | 69.2 |

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|                    |      |      |      |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 表--2               |      |      |      |      |      | 单位: cd |  |  |  |  |  |  |  |  |  |  |  |  |  |
| C (DEG)<br>γ (DEG) | 285  | 300  | 315  | 330  | 345  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0                  | 4378 | 4373 | 4362 | 4357 | 4350 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                  | 4358 | 4350 | 4336 | 4328 | 4316 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                 | 4312 | 4300 | 4285 | 4276 | 4262 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                 | 4228 | 4217 | 4202 | 4193 | 4180 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                 | 4118 | 4107 | 4090 | 4082 | 4068 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                 | 3972 | 3964 | 3940 | 3932 | 3914 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                 | 3789 | 3782 | 3758 | 3752 | 3733 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 3575 | 3567 | 3544 | 3540 | 3511 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 3318 | 3320 | 3294 | 3285 | 3261 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 3048 | 3046 | 3020 | 3005 | 2989 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 2745 | 2733 | 2704 | 2690 | 2664 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 2387 | 2381 | 2325 | 2329 | 2298 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 1926 | 1918 | 1827 | 1829 | 1819 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                 | 1429 | 1426 | 1373 | 1373 | 1331 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 993  | 987  | 945  | 948  | 902  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                 | 573  | 581  | 522  | 526  | 488  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                 | 227  | 233  | 198  | 200  | 181  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                 | 60.3 | 58.1 | 52.7 | 52.5 | 50.4 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                 | 33.9 | 33.5 | 33.8 | 33.8 | 33.5 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                 | 34.4 | 34.4 | 34.5 | 34.5 | 34.5 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100                | 36.6 | 36.7 | 36.7 | 36.7 | 36.8 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105                | 39.0 | 39.0 | 39.1 | 39.0 | 39.1 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110                | 41.4 | 41.4 | 41.5 | 41.4 | 41.5 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115                | 43.7 | 43.7 | 43.8 | 43.8 | 43.8 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120                | 45.9 | 45.9 | 46.0 | 46.0 | 45.9 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125                | 48.0 | 48.0 | 48.1 | 48.0 | 48.0 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130                | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135                | 52.2 | 52.1 | 52.1 | 52.1 | 52.1 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140                | 54.4 | 54.3 | 54.3 | 54.3 | 54.3 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145                | 56.7 | 56.7 | 56.7 | 56.6 | 56.6 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150                | 59.2 | 59.1 | 59.1 | 59.0 | 59.0 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155                | 61.5 | 61.5 | 61.5 | 61.4 | 61.4 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160                | 63.9 | 63.8 | 63.8 | 63.7 | 63.6 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165                | 65.9 | 65.8 | 65.7 | 65.6 | 65.5 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170                | 67.4 | 67.4 | 67.2 | 67.2 | 67.1 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175                | 68.5 | 68.4 | 68.3 | 68.2 | 68.0 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180                | 68.9 | 68.9 | 68.6 | 68.6 | 68.4 |        |  |  |  |  |  |  |  |  |  |  |  |  |  |

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:LLS  
测试日期:2019-07-23

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: Eur