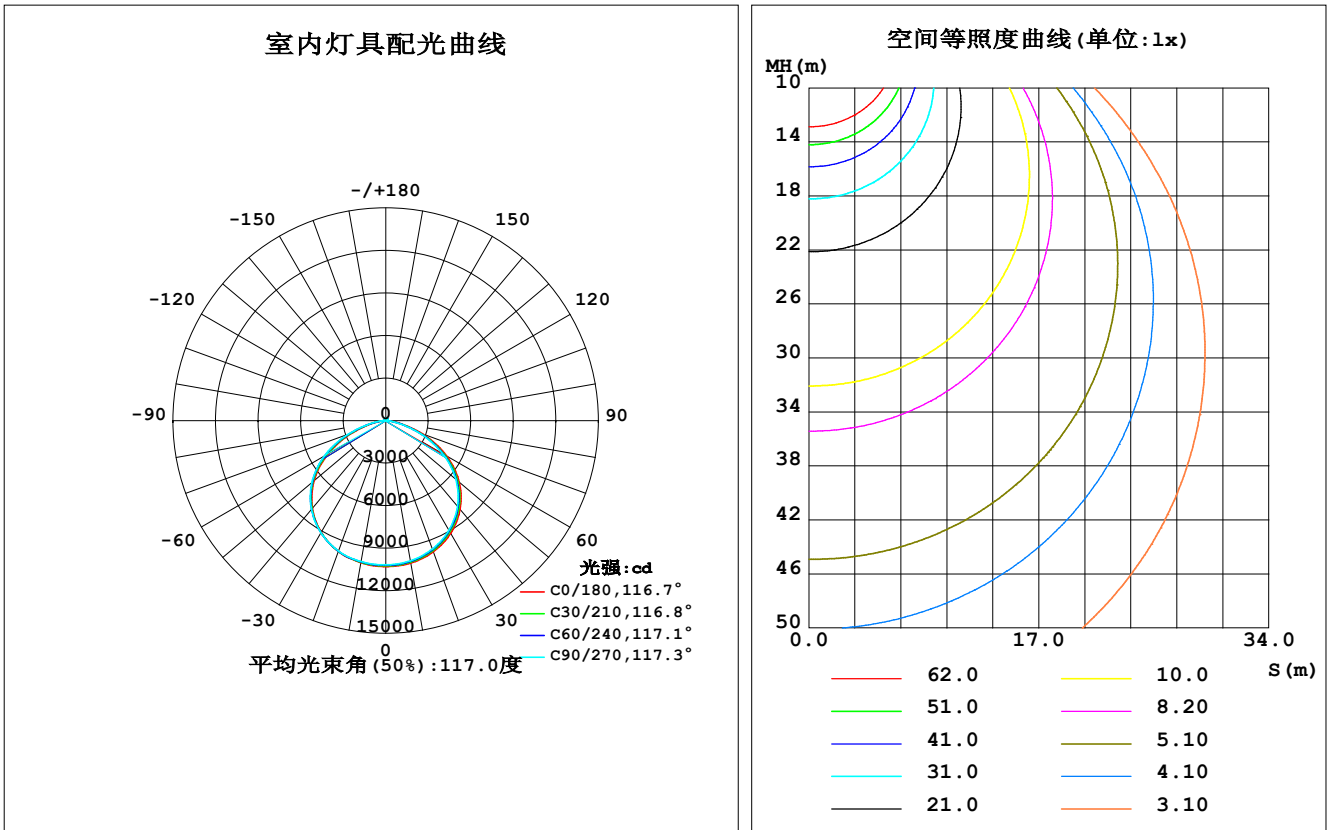


## 室内灯具光度数据

|  |                                       |             |
|--|---------------------------------------|-------------|
| 实测参数: U:119.9V I:1.667A P:199.4W PF:0.9979 实检光通:30680x1 lm |                                       |             |
| 灯具名称: Sparkle-200W   | 灯具类型: HIGHBAY                         | 灯具重量: 3.6KG |
| 灯具规格: 200W-32000lm-120D                                    | 外型尺寸: $\phi 345 \times 150 \text{mm}$ | 测试编号: 1     |
| 制造厂商: STEMOD   | 发光口面: $\phi 245 \text{mm}$            | 保护角:        |

| 光源数据       |             | 光度数据      |       |                          |  | 光效: 153.84 lm/W |
|------------|-------------|-----------|-------|--------------------------|--|-----------------|
| 型号         | 5700K-70CRI | 峰值光强 (cd) | 10291 | S/MH (C0/180)            |  | 1.31            |
| 标称功率 (W)   | 200         | 灯具效率 (%)  | 100.0 | S/MH (C90/270)           |  | 1.33            |
| 额定电源电压 (V) | 120         | 总光通量 (lm) | 30680 | $\eta$ UP, DN (C0-180)   |  | 1.1, 48.3       |
| 额定光通量 (lm) | 30680       | CIE分类     | 直接    | $\eta$ UP, DN (C180-360) |  | 1.2, 49.5       |
| 灯具内光源数 (只) | 1           | 上射光通比 (%) | 2.2   | CIBSE SHR NOM            |  | 1.50            |
| 实测电源电压 (V) | 120         | 下射光通比 (%) | 97.8  | CIBSE SHR MAX            |  | 1.50            |



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: ljz  
测试日期: 2019-06-19

$\gamma$ 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:

## 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       | 1020     | 1011  | 1004  | 1002  | 1018  | 1012  | 1009  | 1005  | 0- 10              | 968.0    | 968.0    | 3.16,3.16  |
| 20       | 983.8    | 976.1 | 963.0 | 965.3 | 981.7 | 975.4 | 978.7 | 970.9 | 10- 20             | 2810     | 3778     | 12.3,12.3  |
| 30       | 916.9    | 906.7 | 891.8 | 895.1 | 910.9 | 908.0 | 914.2 | 905.1 | 20- 30             | 4347     | 8126     | 26.5,26.5  |
| 40       | 816.0    | 804.1 | 787.3 | 791.7 | 805.3 | 806.7 | 816.1 | 807.4 | 30- 40             | 5369     | 13495    | 44,44      |
| 50       | 677.2    | 662.7 | 645.5 | 650.3 | 659.8 | 667.9 | 680.7 | 671.5 | 40- 50             | 5690     | 19185    | 62.5,62.5  |
| 60       | 492.7    | 476.2 | 460.3 | 465.6 | 468.6 | 490.7 | 501.6 | 492.8 | 50- 60             | 5147     | 24333    | 79.3,79.3  |
| 70       | 276.1    | 256.6 | 241.7 | 245.2 | 245.5 | 263.1 | 282.4 | 275.7 | 60- 70             | 3685     | 28018    | 91.3,91.3  |
| 80       | 82.66    | 71.63 | 59.98 | 63.46 | 66.42 | 74.00 | 86.00 | 80.36 | 70- 80             | 1672     | 29690    | 96.8,96.8  |
| 90       | 6.628    | 6.383 | 6.463 | 6.443 | 7.968 | 7.848 | 8.094 | 7.974 | 80- 90             | 306.9    | 29997    | 97.8,97.8  |
| 100      | 7.534    | 7.612 | 7.727 | 7.699 | 9.022 | 8.876 | 8.773 | 8.805 | 90-100             | 83.72    | 30081    | 98,98      |
| 110      | 8.882    | 8.966 | 9.081 | 9.051 | 10.14 | 9.991 | 9.899 | 9.921 | 100-110            | 93.77    | 30175    | 98.4,98.4  |
| 120      | 10.18    | 10.25 | 10.36 | 10.32 | 11.20 | 11.05 | 10.97 | 10.99 | 110-120            | 100.0    | 30275    | 98.7,98.7  |
| 130      | 11.33    | 11.38 | 11.49 | 11.45 | 12.18 | 12.02 | 11.95 | 11.96 | 120-130            | 100.3    | 30375    | 99,99      |
| 140      | 12.49    | 12.53 | 12.61 | 12.58 | 13.19 | 13.01 | 12.94 | 12.95 | 130-140            | 94.65    | 30470    | 99.3,99.3  |
| 150      | 13.73    | 13.77 | 13.83 | 13.79 | 14.31 | 14.13 | 14.05 | 14.06 | 140-150            | 83.77    | 30553    | 99.6,99.6  |
| 160      | 14.98    | 15.00 | 15.03 | 14.99 | 15.43 | 15.26 | 15.18 | 15.18 | 150-160            | 67.13    | 30620    | 99.8,99.8  |
| 170      | 16.03    | 16.00 | 15.99 | 15.97 | 16.29 | 16.14 | 16.07 | 16.05 | 160-170            | 44.11    | 30665    | 99.9,99.9  |
| 180      | 16.54    | 16.48 | 16.42 | 16.42 | 16.57 | 16.46 | 16.44 | 16.40 | 170-180            | 15.50    | 30680    | 100,100    |
| 单位:°     | 光强:×10cd |       |       |       |       |       |       |       | 单位:lm              |          |          |            |

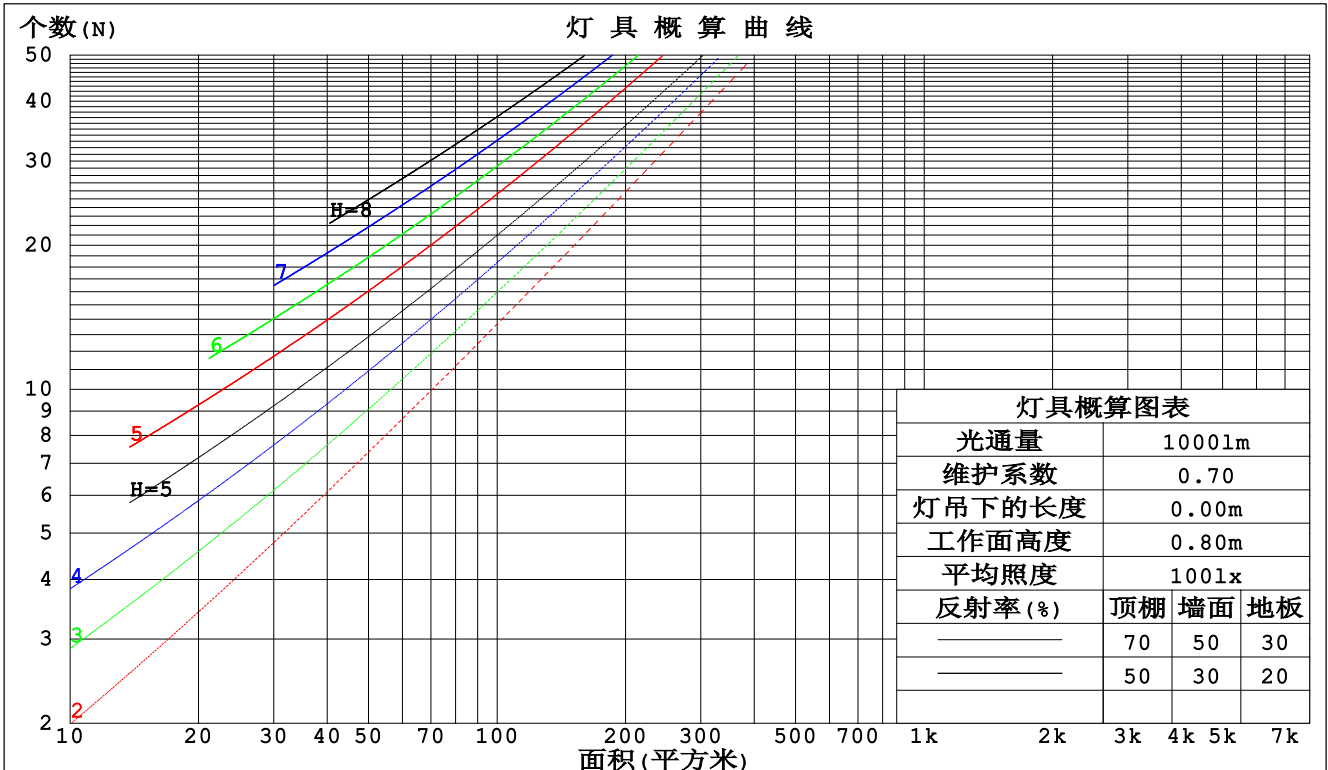
C角度范围: 0度 - 360度  
 C角度间隔: 15.0度  
 测试速度: 快速  
 环境温度:25.3℃  
 测试人员:ljlz  
 测试日期:2019-06-19

$\gamma$ 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:

## 工作面利用系数和灯具概算曲线

|  |                                       |             |
|--|---------------------------------------|-------------|
| 实测参数: U:119.9V I:1.667A P:199.4W PF:0.9979 实检光通:30680x1 lm |                                       |             |
| 灯具名称: Sparkle-200W   | 灯具类型: HIGHBAY                         | 灯具重量: 3.6KG |
| 灯具规格: 200W-320001m-120D                                    | 外型尺寸: $\phi 345 \times 150 \text{mm}$ | 测试编号: 1     |
| 制造厂商: STEMOD   | 发光口面: $\phi 245 \text{mm}$            | 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  | 1.19    | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | .00 | .00 | .00 | .98 |
| 1.0  | 1.04    | 1.00 | .96  | 1.02 | .98  | .95  | .97  | .94  | .91  | .93  | .90  | .88  | .89 | .87 | .85 | .83 |
| 2.0  | .91     | .84  | .79  | .89  | .83  | .78  | .85  | .80  | .75  | .81  | .77  | .73  | .78 | .75 | .71 | .69 |
| 3.0  | .80     | .72  | .65  | .78  | .71  | .65  | .75  | .68  | .63  | .72  | .66  | .62  | .69 | .64 | .61 | .58 |
| 4.0  | .71     | .62  | .55  | .69  | .61  | .55  | .66  | .59  | .54  | .64  | .58  | .53  | .61 | .56 | .52 | .50 |
| 5.0  | .63     | .54  | .48  | .62  | .53  | .47  | .59  | .52  | .46  | .57  | .51  | .46  | .55 | .50 | .45 | .43 |
| 6.0  | .57     | .48  | .41  | .56  | .47  | .41  | .54  | .46  | .41  | .52  | .45  | .40  | .50 | .44 | .39 | .37 |
| 7.0  | .51     | .43  | .36  | .50  | .42  | .36  | .49  | .41  | .36  | .47  | .40  | .35  | .45 | .39 | .35 | .33 |
| 8.0  | .47     | .38  | .32  | .46  | .38  | .32  | .44  | .37  | .32  | .43  | .36  | .32  | .42 | .36 | .31 | .29 |
| 9.0  | .43     | .35  | .29  | .42  | .34  | .29  | .41  | .34  | .29  | .40  | .33  | .28  | .38 | .32 | .28 | .26 |
| 10.0 | .39     | .32  | .26  | .39  | .31  | .26  | .38  | .31  | .26  | .37  | .30  | .26  | .36 | .30 | .25 | .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°C  
 测试人员: ljj  
 测试日期: 2019-06-19

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:

## 墙面和天花板利用系数

|  |  |                                       |  |             |  |
|--|--|---------------------------------------|--|-------------|--|
| 实测参数: U:119.9V I:1.667A P:199.4W PF:0.9979 实检光通:30680x1 lm |  |                                       |  |             |  |
| 灯具名称: Sparkle-200W   |  | 灯具类型: HIGHBAY                         |  | 灯具重量: 3.6KG |  |
| 灯具规格: 200W-32000lm-120D                                    |  | 外型尺寸: $\phi 345 \times 150 \text{mm}$ |  | 测试编号: 1     |  |
| 制造厂商: STEMOD   |  | 发光口面: $\phi 245 \text{mm}$            |  | 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  | .294    | .167 | .053 | .287 | .163 | .052 | .272 | .156 | .050 | .259 | .149 | .048 | .247 | .143 | .046 |   |
| 2.0  | .282    | .155 | .047 | .275 | .152 | .047 | .262 | .146 | .045 | .251 | .141 | .044 | .240 | .136 | .043 |   |
| 3.0  | .263    | .140 | .042 | .257 | .138 | .041 | .246 | .133 | .041 | .236 | .129 | .040 | .226 | .125 | .039 |   |
| 4.0  | .245    | .127 | .037 | .239 | .125 | .037 | .229 | .122 | .036 | .220 | .118 | .036 | .211 | .115 | .035 |   |
| 5.0  | .227    | .116 | .034 | .222 | .114 | .033 | .213 | .111 | .033 | .205 | .108 | .032 | .197 | .105 | .032 |   |
| 6.0  | .211    | .106 | .030 | .207 | .105 | .030 | .199 | .102 | .030 | .191 | .099 | .029 | .184 | .097 | .029 |   |
| 7.0  | .197    | .097 | .028 | .193 | .096 | .027 | .186 | .094 | .027 | .179 | .092 | .027 | .173 | .090 | .026 |   |
| 8.0  | .184    | .090 | .025 | .181 | .089 | .025 | .174 | .087 | .025 | .168 | .085 | .025 | .162 | .083 | .024 |   |
| 9.0  | .173    | .084 | .023 | .170 | .083 | .023 | .164 | .081 | .023 | .158 | .079 | .023 | .153 | .078 | .022 |   |
| 10.0 | .163    | .078 | .022 | .160 | .077 | .022 | .155 | .076 | .021 | .150 | .074 | .021 | .145 | .073 | .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  | .207    | .207 | .207 | .177 | .177 | .177 | .121 | .121 | .121 | .070 | .070 | .070 | .022 | .022 | .022 |   |
| 1.0  | .196    | .173 | .153 | .168 | .149 | .131 | .115 | .102 | .091 | .066 | .059 | .053 | .021 | .019 | .017 |   |
| 2.0  | .188    | .149 | .116 | .161 | .128 | .101 | .110 | .089 | .070 | .064 | .052 | .041 | .020 | .017 | .013 |   |
| 3.0  | .181    | .132 | .093 | .155 | .113 | .080 | .106 | .079 | .056 | .061 | .046 | .033 | .020 | .015 | .011 |   |
| 4.0  | .173    | .118 | .076 | .149 | .102 | .066 | .102 | .071 | .047 | .059 | .042 | .028 | .019 | .014 | .009 |   |
| 5.0  | .166    | .108 | .065 | .143 | .093 | .057 | .098 | .065 | .040 | .057 | .038 | .024 | .018 | .012 | .008 |   |
| 6.0  | .159    | .100 | .057 | .137 | .086 | .050 | .094 | .060 | .035 | .055 | .036 | .021 | .018 | .012 | .007 |   |
| 7.0  | .152    | .093 | .051 | .131 | .080 | .044 | .091 | .056 | .031 | .053 | .033 | .019 | .017 | .011 | .006 |   |
| 8.0  | .146    | .087 | .046 | .126 | .075 | .040 | .087 | .053 | .029 | .051 | .031 | .017 | .016 | .010 | .006 |   |
| 9.0  | .140    | .082 | .043 | .121 | .071 | .037 | .084 | .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°C  
 测试人员: ljj  
 测试日期: 2019-06-19

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:

## UGR(Unified Glare Rating)数据表

|  |                      |      |      |                                       |      |                    |      |             |      |      |
|--|----------------------|------|------|---------------------------------------|------|--------------------|------|-------------|------|------|
| 实测参数: U:119.9V I:1.667A P:199.4W PF:0.9979 实检光通:30680x1 lm |                      |      |      |                                       |      |                    |      |             |      |      |
| 灯具名称: Sparkle-200W   |                      |      |      | 灯具类型: HIGHBAY                         |      |                    |      | 灯具重量: 3.6KG |      |      |
| 灯具规格: 200W-32000lm-120D                                    |                      |      |      | 外型尺寸: $\phi 345 \times 150 \text{mm}$ |      |                    |      | 测试编号: 1     |      |      |
| 制造厂商: STEMOD   |                      |      |      | 发光口面: $\phi 245 \text{mm}$            |      |                    |      | 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  | 31.2                 | 32.7 | 31.5 | 32.9                                  | 33.2 | 30.9               | 32.4 | 31.2        | 32.7 | 32.9 |
| 3H   | 32.5                 | 33.8 | 32.8 | 34.1                                  | 34.4 | 32.1               | 33.5 | 32.5        | 33.8 | 34.0 |
| 4H   | 32.9                 | 34.2 | 33.2 | 34.5                                  | 34.8 | 32.4               | 33.7 | 32.8        | 34.0 | 34.3 |
| 6H   | 33.1                 | 34.3 | 33.4 | 34.6                                  | 34.9 | 32.5               | 33.8 | 32.9        | 34.1 | 34.4 |
| 8H   | 33.1                 | 34.3 | 33.5 | 34.6                                  | 34.9 | 32.5               | 33.7 | 32.9        | 34.0 | 34.4 |
| 12H  | 33.1                 | 34.2 | 33.5 | 34.5                                  | 34.9 | 32.5               | 33.6 | 32.9        | 34.0 | 34.3 |
| 4H 2H  | 31.7                 | 33.0 | 32.0 | 33.3                                  | 33.6 | 31.5               | 32.8 | 31.8        | 33.1 | 33.4 |
| 3H   | 33.1                 | 34.2 | 33.5 | 34.6                                  | 34.9 | 32.8               | 33.9 | 33.2        | 34.3 | 34.6 |
| 4H   | 33.6                 | 34.6 | 34.0 | 35.0                                  | 35.4 | 33.2               | 34.2 | 33.6        | 34.6 | 35.0 |
| 6H   | 33.9                 | 34.8 | 34.3 | 35.2                                  | 35.6 | 33.4               | 34.3 | 33.8        | 34.7 | 35.1 |
| 8H   | 33.9                 | 34.8 | 34.4 | 35.2                                  | 35.6 | 33.4               | 34.2 | 33.8        | 34.6 | 35.1 |
| 12H  | 33.9                 | 34.7 | 34.4 | 35.1                                  | 35.6 | 33.4               | 34.1 | 33.8        | 34.6 | 35.0 |
| 8H 4H  | 33.7                 | 34.5 | 34.1 | 34.9                                  | 35.4 | 33.3               | 34.2 | 33.8        | 34.6 | 35.0 |
| 6H   | 34.0                 | 34.7 | 34.5 | 35.2                                  | 35.7 | 33.6               | 34.3 | 34.1        | 34.7 | 35.2 |
| 8H   | 34.1                 | 34.7 | 34.6 | 35.2                                  | 35.7 | 33.6               | 34.2 | 34.1        | 34.7 | 35.2 |
| 12H  | 34.2                 | 34.7 | 34.7 | 35.2                                  | 35.7 | 33.6               | 34.2 | 34.2        | 34.6 | 35.2 |
| 12H 4H   | 33.7                 | 34.4 | 34.1 | 34.9                                  | 35.3 | 33.3               | 34.1 | 33.8        | 34.5 | 35.0 |
| 6H   | 34.0                 | 34.6 | 34.5 | 35.1                                  | 35.6 | 33.6               | 34.2 | 34.1        | 34.7 | 35.2 |
| 8H   | 34.1                 | 34.7 | 34.7 | 35.1                                  | 35.7 | 33.6               | 34.2 | 34.2        | 34.7 | 35.2 |
| 不同间隔布灯时, 观察者位置引起的UGR变化:                                    |                      |      |      |                                       |      |                    |      |             |      |      |
| S = 1.0H   | + 0.2 / - 0.2        |      |      |                                       |      | + 0.2 / - 0.3      |      |             |      |      |
| 1.5H   | + 0.2 / - 0.4        |      |      |                                       |      | + 0.2 / - 0.5      |      |             |      |      |
| 2.0H   | + 0.3 / - 0.3        |      |      |                                       |      | + 0.3 / - 0.4      |      |             |      |      |

依据CIE Pub.117计算, 表格已按30680lm光源光通进行修正( $81 \log(F/F_0) = 11.9$ )。

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: 2019-06-19

$\gamma$ 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:

## UF利用系数表

|  |                                       |             |
|--|---------------------------------------|-------------|
| 实测参数: U:119.9V I:1.667A P:199.4W PF:0.9979 实检光通:30680x1 lm |                                       |             |
| 灯具名称: Sparkle-200W   | 灯具类型: HIGHBAY                         | 灯具重量: 3.6KG |
| 灯具规格: 200W-32000lm-120D                                    | 外型尺寸: $\phi 345 \times 150 \text{mm}$ | 测试编号: 1     |
| 制造厂商: STEMOD   | 发光口面: $\phi 245 \text{mm}$            | 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 (%) $k(RI) \times RCR = 5$ |     |     |     |     |                      |     |     |     |         |
| k = 0.60                   | 57  | 45  | 38  | 56  | 45  | 38                   | 55  | 44  | 38  | 31      |
| 0.80                       | 67  | 56  | 48  | 66  | 55  | 48                   | 64  | 54  | 47  | 40      |
| 1.00                       | 76  | 65  | 57  | 74  | 64  | 57                   | 72  | 65  | 57  | 49      |
| 1.25                       | 83  | 73  | 66  | 81  | 72  | 65                   | 79  | 70  | 64  | 57      |
| 1.50                       | 88  | 78  | 71  | 86  | 77  | 71                   | 83  | 75  | 70  | 62      |
| 2.00                       | 95  | 87  | 80  | 93  | 85  | 79                   | 89  | 83  | 78  | 70      |
| 2.50                       | 99  | 91  | 85  | 97  | 90  | 84                   | 93  | 87  | 82  | 74      |
| 3.00                       | 102   | 96  | 90  | 100 | 94  | 89                   | 96  | 91  | 87  | 78      |
| 4.00                       | 106   | 101 | 96  | 104 | 99  | 95                   | 99  | 95  | 92  | 82      |
| 5.00                       | 109   | 104 | 100 | 106 | 102 | 98                   | 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 SHR NOM = 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°C  
 测试人员: ljlz  
 测试日期: 2019-06-19

$\gamma$ 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:

## 灯具等光强曲线

|  |                                      |             |
|--|--------------------------------------|-------------|
| 实测参数: U:119.9V I:1.667A P:199.4W PF:0.9979 实检光通:30680x1 lm |                                      |             |
| 灯具名称: Sparkle-200W   | 灯具类型: HIGHBAY                        | 灯具重量: 3.6KG |
| 灯具规格: 200W-32000lm-120D                                    | 外型尺寸: $\Phi 345 \times 150\text{mm}$ | 测试编号: 1     |
| 制造厂商: STEMOD   | 发光口面: $\Phi 245\text{mm}$            | 保护角:        |

锥面光通量(90度):

16351 lm

%lum = 53.3%

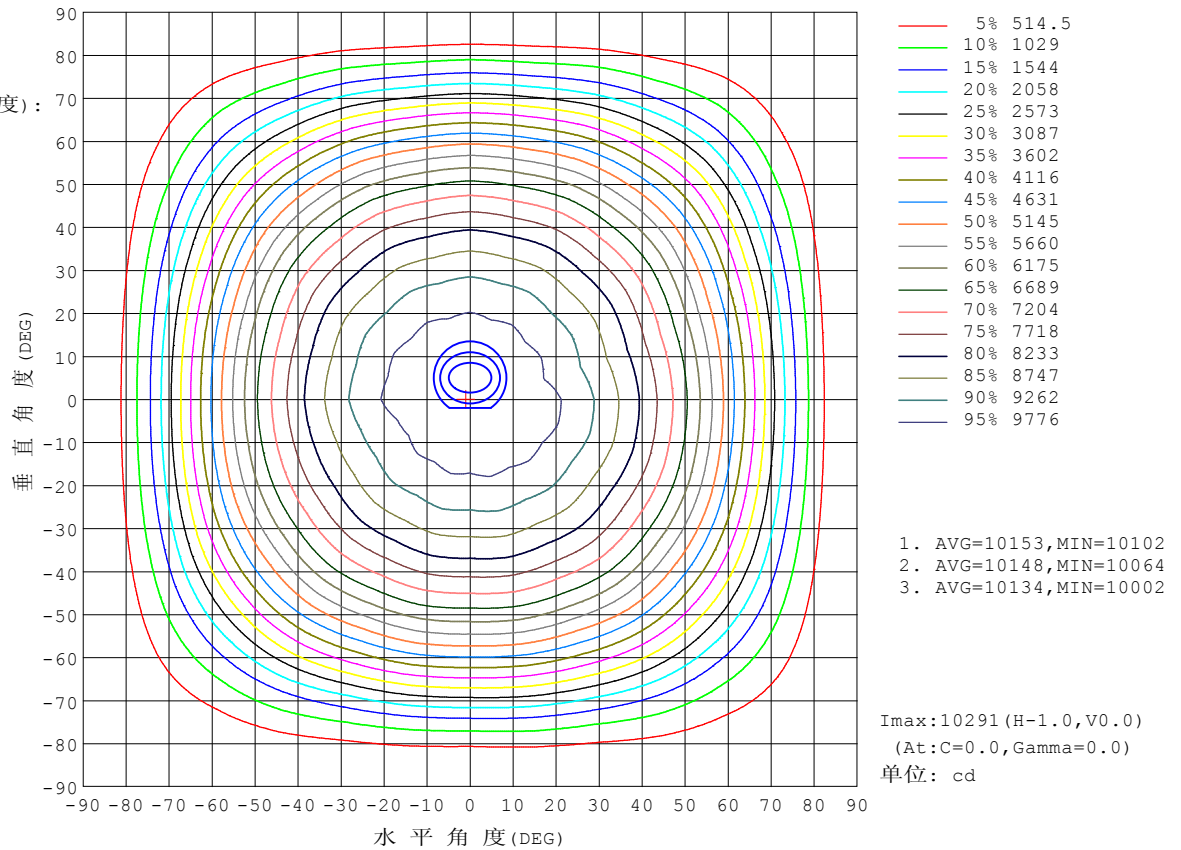
%lamp = 53.3%

锥面光通量(120度):

24333 lm

%lum = 79.3%

%lamp = 79.3%



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°C

测试人员: ljz

测试日期: 2019-06-19

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

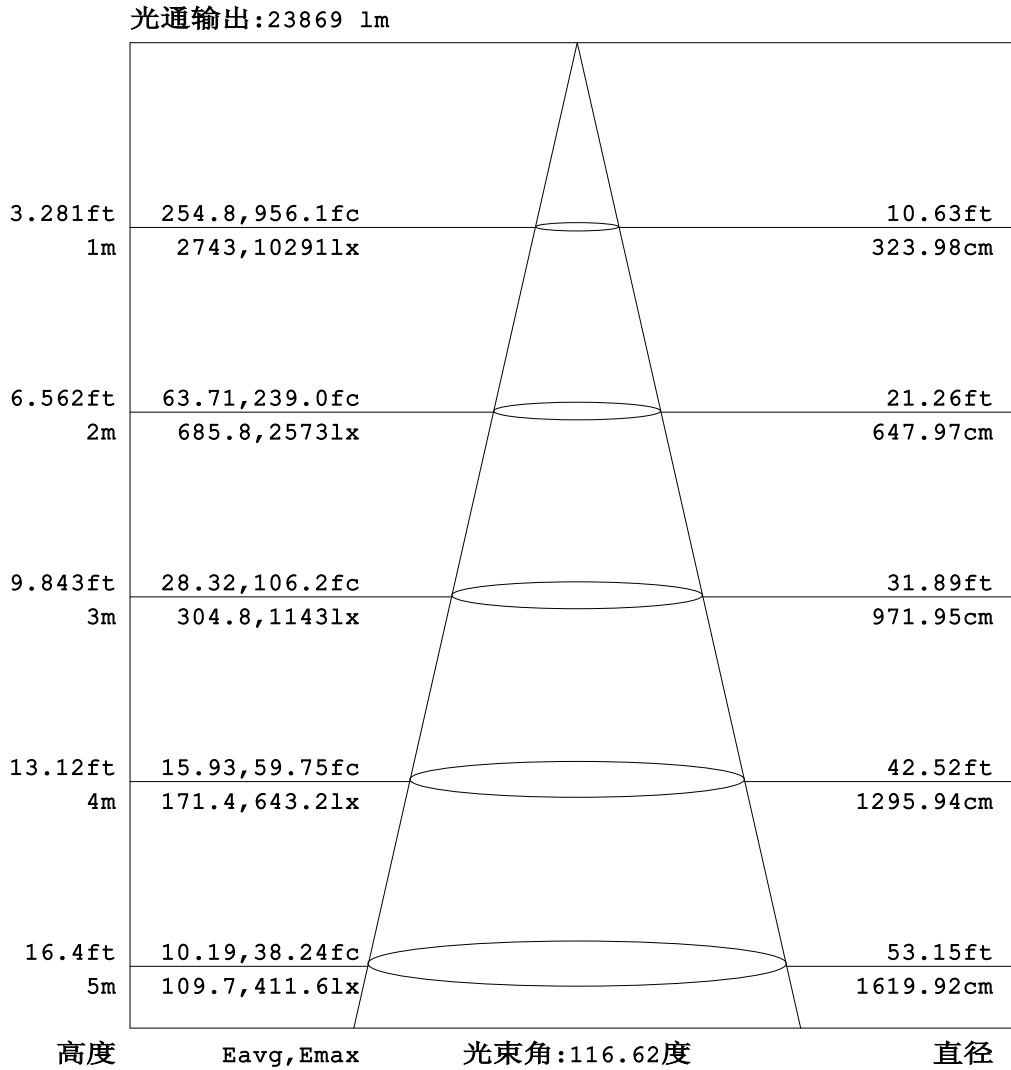
环境湿度: 65.0%

测试距离: 5.900米 [K=1.0000]

备注:

## 灯具有效平均照度图

|  |                                       |             |
|--|---------------------------------------|-------------|
| 实测参数: U:119.9V I:1.667A P:199.4W PF:0.9979 实检光通:30680x1 lm |                                       |             |
| 灯具名称: Sparkle-200W   | 灯具类型: HIGHBAY                         | 灯具重量: 3.6KG |
| 灯具规格: 200W-32000lm-120D                                    | 外型尺寸: $\phi 345 \times 150 \text{mm}$ | 测试编号: 1     |
| 制造厂商: STEMOD   | 发光口面: $\phi 245 \text{mm}$            | 保护角:        |



注: 曲线为灯具在不同投射距离下的照射区域及区域内平均照度。

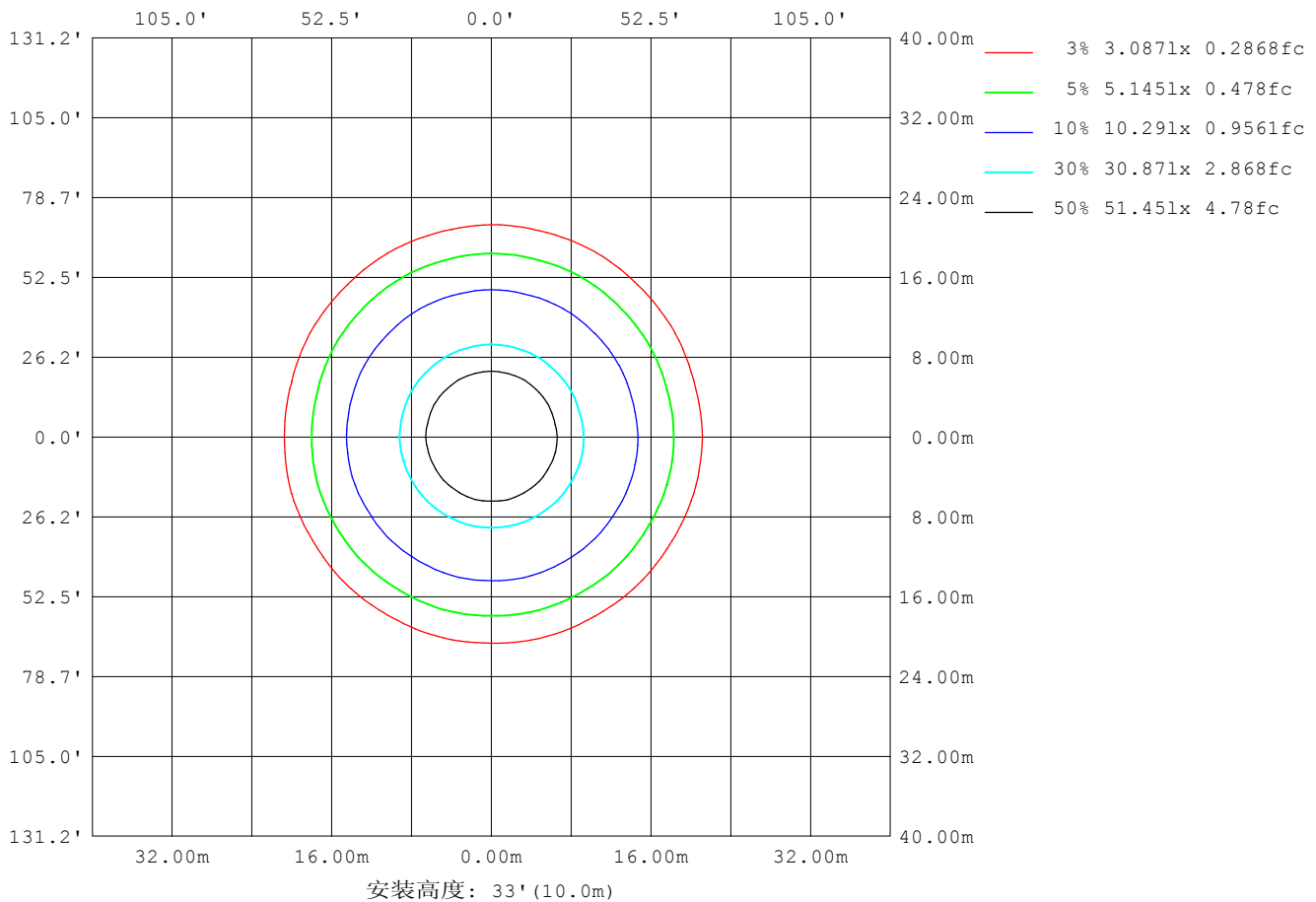
C角度范围: 0度 - 360度  
C角度间隔: 15.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: ljz  
测试日期: 2019-06-19

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:



## 平面等照度曲线

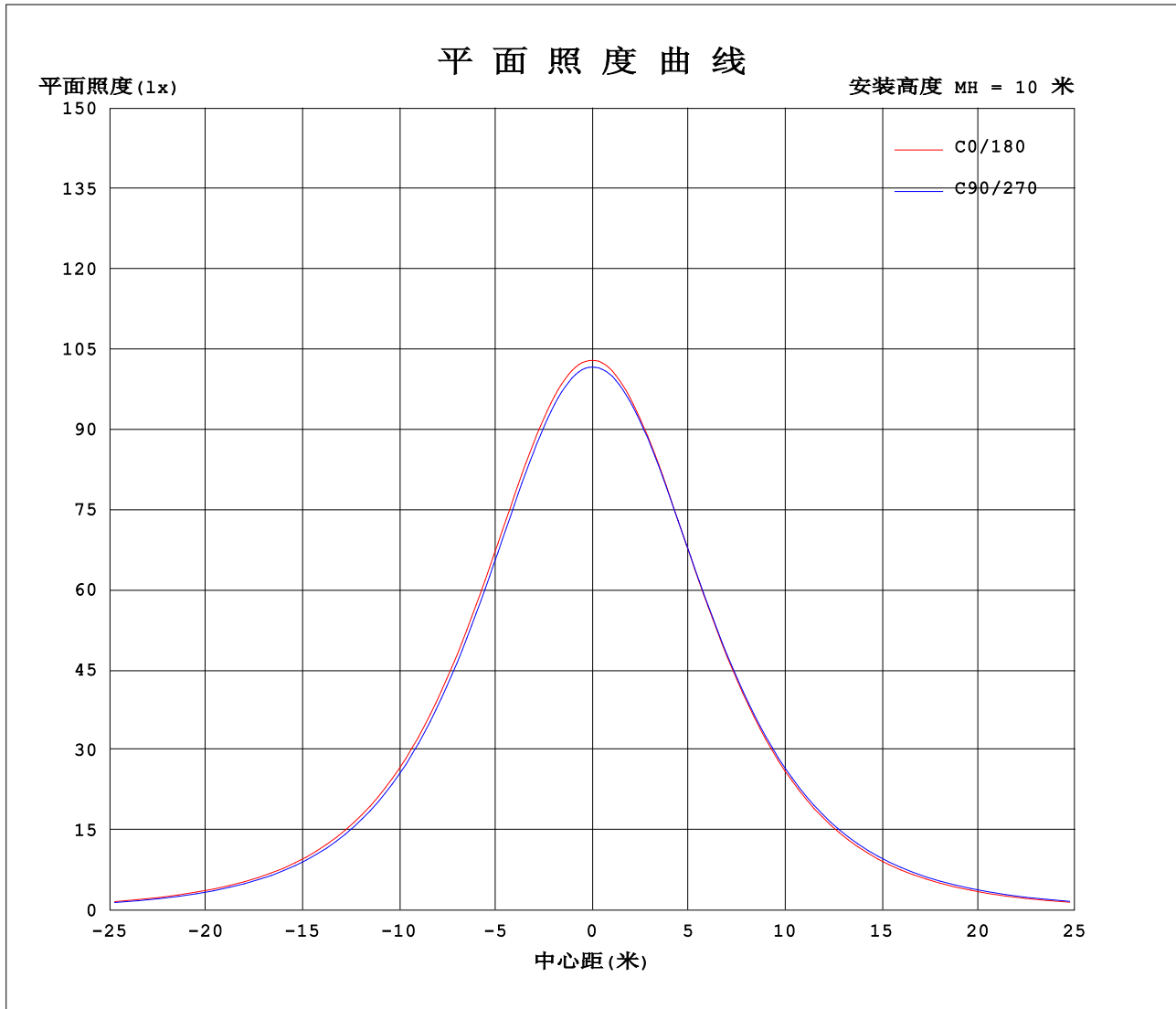
|  |                                      |             |
|--|--------------------------------------|-------------|
| 实测参数: U:119.9V I:1.667A P:199.4W PF:0.9979 实检光通:30680x1 lm |                                      |             |
| 灯具名称: Sparkle-200W   | 灯具类型: HIGHBAY                        | 灯具重量: 3.6KG |
| 灯具规格: 200W-32000lm-120D                                    | 外型尺寸: $\phi 345 \times 150\text{mm}$ | 测试编号: 1     |
| 制造厂商: STEMOD   | 发光口面: $\phi 245\text{mm}$            | 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°C  
 测试人员: ljlz  
 测试日期: 2019-06-19

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°C  
测试人员: ljj  
测试日期: 2019-06-19

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:119.9V I:1.667A P:199.4W PF:0.9979 实检光通:30680x1 lm |                                       |             |
| 灯具名称: Sparkle-200W   | 灯具类型: HIGHBAY                         | 灯具重量: 3.6KG |
| 灯具规格: 200W-32000lm-120D                                    | 外型尺寸: $\phi 345 \times 150 \text{mm}$ | 测试编号: 1     |
| 制造厂商: STEMOD   | 发光口面: $\phi 245 \text{mm}$            | 保护角:        |

表--1

单位:  $\times 10 \text{cd}$ 

| C (DEG) \ $\gamma$ (DEG) | 0    | 15   | 30   | 45   | 60   | 75   | 90   | 105  | 120  | 135  | 150  | 165  | 180  | 195  | 210  | 225  | 240  | 255  | 270  |
|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                        | 1029 | 1026 | 1024 | 1022 | 1020 | 1018 | 1016 | 1015 | 1014 | 1013 | 1012 | 1011 | 1029 | 1026 | 1024 | 1022 | 1020 | 1018 | 1016 |
| 5                        | 1028 | 1025 | 1022 | 1020 | 1017 | 1016 | 1014 | 1013 | 1011 | 1011 | 1010 | 1010 | 1027 | 1024 | 1023 | 1020 | 1019 | 1017 | 1016 |
| 10                       | 1020 | 1017 | 1013 | 1011 | 1008 | 1006 | 1004 | 1004 | 1002 | 1002 | 1001 | 1002 | 1018 | 1015 | 1014 | 1012 | 1012 | 1010 | 1009 |
| 15                       | 1006 | 1003 | 998  | 998  | 992  | 994  | 987  | 990  | 985  | 989  | 984  | 989  | 1003 | 1000 | 1001 | 998  | 1000 | 996  | 998  |
| 20                       | 984  | 984  | 975  | 976  | 968  | 970  | 963  | 966  | 961  | 965  | 961  | 966  | 982  | 977  | 981  | 975  | 980  | 975  | 979  |
| 25                       | 954  | 955  | 944  | 945  | 937  | 939  | 932  | 935  | 929  | 934  | 930  | 936  | 950  | 946  | 951  | 946  | 951  | 946  | 950  |
| 30                       | 917  | 917  | 906  | 907  | 897  | 900  | 892  | 896  | 890  | 895  | 891  | 897  | 911  | 906  | 912  | 908  | 914  | 909  | 914  |
| 35                       | 871  | 871  | 859  | 860  | 850  | 852  | 844  | 848  | 842  | 848  | 843  | 851  | 863  | 858  | 866  | 862  | 869  | 864  | 870  |
| 40                       | 816  | 816  | 804  | 804  | 794  | 796  | 787  | 791  | 785  | 792  | 787  | 795  | 805  | 802  | 810  | 807  | 814  | 810  | 816  |
| 45                       | 752  | 751  | 739  | 739  | 728  | 730  | 721  | 725  | 720  | 726  | 722  | 731  | 738  | 736  | 745  | 742  | 751  | 747  | 754  |
| 50                       | 677  | 676  | 664  | 663  | 652  | 653  | 646  | 649  | 644  | 650  | 647  | 655  | 660  | 659  | 669  | 668  | 677  | 673  | 681  |
| 55                       | 591  | 589  | 576  | 575  | 564  | 566  | 558  | 562  | 556  | 564  | 560  | 569  | 570  | 570  | 582  | 582  | 592  | 590  | 597  |
| 60                       | 493  | 490  | 477  | 476  | 466  | 468  | 460  | 464  | 459  | 466  | 468  | 472  | 469  | 470  | 482  | 491  | 495  | 494  | 502  |
| 65                       | 388  | 382  | 371  | 368  | 361  | 360  | 354  | 357  | 354  | 359  | 357  | 365  | 360  | 362  | 374  | 377  | 388  | 389  | 396  |
| 70                       | 276  | 271  | 259  | 257  | 249  | 249  | 242  | 243  | 239  | 245  | 245  | 252  | 245  | 248  | 261  | 263  | 275  | 275  | 282  |
| 75                       | 169  | 165  | 154  | 151  | 144  | 144  | 138  | 138  | 135  | 140  | 140  | 146  | 143  | 144  | 154  | 156  | 166  | 166  | 172  |
| 80                       | 82.7 | 80.2 | 71.8 | 71.6 | 65.2 | 66.0 | 60.0 | 62.1 | 58.9 | 63.5 | 61.9 | 68.4 | 66.4 | 66.0 | 73.9 | 74.0 | 81.7 | 80.9 | 86.0 |
| 85                       | 26.4 | 25.6 | 21.6 | 21.1 | 18.3 | 18.2 | 16.3 | 16.9 | 15.9 | 17.5 | 17.0 | 19.1 | 19.0 | 19.5 | 22.4 | 23.0 | 26.1 | 25.9 | 28.2 |
| 90                       | 6.63 | 6.53 | 6.39 | 6.38 | 6.42 | 6.42 | 6.46 | 6.45 | 6.48 | 6.44 | 6.45 | 6.41 | 7.97 | 7.93 | 7.86 | 7.85 | 7.87 | 7.87 | 8.09 |
| 95                       | 6.89 | 6.90 | 6.96 | 6.97 | 7.03 | 7.03 | 7.08 | 7.07 | 7.09 | 7.06 | 7.06 | 7.01 | 8.48 | 8.44 | 8.37 | 8.34 | 8.28 | 8.27 | 8.24 |
| 100                      | 7.53 | 7.54 | 7.60 | 7.61 | 7.67 | 7.68 | 7.73 | 7.71 | 7.74 | 7.70 | 7.71 | 7.65 | 9.02 | 8.98 | 8.90 | 8.88 | 8.82 | 8.81 | 8.77 |
| 105                      | 8.20 | 8.21 | 8.27 | 8.28 | 8.35 | 8.35 | 8.40 | 8.39 | 8.41 | 8.37 | 8.38 | 8.32 | 9.58 | 9.53 | 9.46 | 9.43 | 9.37 | 9.36 | 9.33 |
| 110                      | 8.88 | 8.89 | 8.95 | 8.97 | 9.02 | 9.04 | 9.08 | 9.07 | 9.09 | 9.05 | 9.05 | 9.00 | 10.1 | 10.1 | 10.0 | 9.99 | 9.94 | 9.93 | 9.90 |
| 115                      | 9.55 | 9.55 | 9.60 | 9.62 | 9.68 | 9.70 | 9.74 | 9.73 | 9.74 | 9.71 | 9.70 | 9.65 | 10.7 | 10.6 | 10.6 | 10.5 | 10.5 | 10.5 | 10.5 |
| 120                      | 10.2 | 10.2 | 10.2 | 10.2 | 10.3 | 10.3 | 10.4 | 10.3 | 10.4 | 10.3 | 10.3 | 10.3 | 11.2 | 11.1 | 11.1 | 11.0 | 11.0 | 11.0 | 11.0 |
| 125                      | 10.8 | 10.8 | 10.8 | 10.8 | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 | 11.7 | 11.6 | 11.6 | 11.5 | 11.5 | 11.5 | 11.5 |
| 130                      | 11.3 | 11.3 | 11.4 | 11.4 | 11.4 | 11.4 | 11.5 | 11.5 | 11.5 | 11.4 | 11.4 | 11.4 | 12.2 | 12.1 | 12.1 | 12.0 | 12.0 | 12.0 | 11.9 |
| 135                      | 11.9 | 11.9 | 11.9 | 11.9 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.7 | 12.6 | 12.5 | 12.5 | 12.5 | 12.5 | 12.4 |
| 140                      | 12.5 | 12.5 | 12.5 | 12.5 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.5 | 13.2 | 13.1 | 13.0 | 13.0 | 13.0 | 13.0 | 12.9 |
| 145                      | 13.1 | 13.1 | 13.1 | 13.1 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.1 | 13.7 | 13.7 | 13.6 | 13.6 | 13.5 | 13.5 | 13.5 |
| 150                      | 13.7 | 13.7 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 14.3 | 14.2 | 14.2 | 14.1 | 14.1 | 14.1 | 14.0 |
| 155                      | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.9 | 14.8 | 14.7 | 14.7 | 14.7 | 14.7 | 14.6 |
| 160                      | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.4 | 15.4 | 15.3 | 15.3 | 15.2 | 15.2 | 15.2 |
| 165                      | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.9 | 15.8 | 15.8 | 15.7 | 15.7 | 15.7 | 15.7 |
| 170                      | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 15.9 | 16.3 | 16.2 | 16.2 | 16.1 | 16.1 | 16.1 | 16.1 |
| 175                      | 16.4 | 16.4 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.5 | 16.5 | 16.4 | 16.4 | 16.4 | 16.3 | 16.3 |
| 180                      | 16.5 | 16.5 | 16.5 | 16.5 | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 | 16.6 | 16.5 | 16.5 | 16.5 | 16.5 | 16.4 | 16.4 |

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°C

测试人员: ljj

测试日期: 2019-06-19

 $\gamma$ 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:

## 光强分布数据表格

|  |                                       |             |
|--|---------------------------------------|-------------|
| 实测参数: U:119.9V I:1.667A P:199.4W PF:0.9979 实检光通:30680x1 lm |                                       |             |
| 灯具名称: Sparkle-200W   | 灯具类型: HIGHBAY                         | 灯具重量: 3.6KG |
| 灯具规格: 200W-32000lm-120D                                    | 外型尺寸: $\phi 345 \times 150 \text{mm}$ | 测试编号: 1     |
| 制造厂商: STEMOD   | 发光口面: $\phi 245 \text{mm}$            | 保护角:        |

表--2

单位:  $\times 10 \text{cd}$ 

| C (DEG) \ $\gamma$ (DEG) | 285  | 300  | 315  | 330  | 345  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                        | 1015 | 1014 | 1013 | 1012 | 1011 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                        | 1015 | 1014 | 1012 | 1012 | 1010 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                       | 1008 | 1007 | 1005 | 1005 | 1003 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                       | 994  | 997  | 992  | 995  | 989  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                       | 974  | 977  | 971  | 973  | 967  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                       | 945  | 948  | 942  | 945  | 938  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                       | 908  | 912  | 905  | 908  | 901  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                       | 864  | 868  | 860  | 864  | 855  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                       | 811  | 814  | 807  | 810  | 801  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                       | 748  | 752  | 745  | 747  | 738  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                       | 675  | 679  | 672  | 674  | 664  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                       | 592  | 596  | 588  | 590  | 580  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                       | 497  | 501  | 493  | 495  | 492  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                       | 393  | 396  | 388  | 389  | 381  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                       | 278  | 282  | 276  | 278  | 268  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                       | 167  | 171  | 165  | 167  | 160  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                       | 81.7 | 86.2 | 80.4 | 82.2 | 76.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                       | 26.6 | 27.9 | 25.9 | 26.4 | 23.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                       | 8.01 | 8.16 | 7.97 | 8.03 | 7.88 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                       | 8.25 | 8.24 | 8.27 | 8.27 | 8.32 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100                      | 8.79 | 8.77 | 8.81 | 8.80 | 8.85 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105                      | 9.34 | 9.33 | 9.36 | 9.36 | 9.40 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110                      | 9.91 | 9.89 | 9.92 | 9.92 | 9.96 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115                      | 10.5 | 10.4 | 10.5 | 10.5 | 10.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120                      | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125                      | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130                      | 12.0 | 11.9 | 12.0 | 11.9 | 12.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135                      | 12.4 | 12.4 | 12.4 | 12.4 | 12.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140                      | 12.9 | 12.9 | 13.0 | 12.9 | 13.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145                      | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150                      | 14.0 | 14.0 | 14.1 | 14.1 | 14.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155                      | 14.6 | 14.6 | 14.6 | 14.6 | 14.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160                      | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165                      | 15.7 | 15.6 | 15.7 | 15.7 | 15.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170                      | 16.1 | 16.1 | 16.0 | 16.0 | 16.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175                      | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180                      | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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°C

测试人员: ljz

测试日期: 2019-06-19

 $\gamma$ 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: