

浙大三色

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## ROLED

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灯具名称: 地埋灯

灯具描述: G1072A-6-24DC(20-OL-6WN-C,CT)

报告编号:

电压(V): 24.0000

测试编号: 20210419008

电流(A): 0.1320

光源规格型号: OL

功率(W): 3.1000

每个光源光通量(lm)

功率因数: 1.0240

光源数量: 3

镇流器型号:

发光面长度(mm): 75

发光面宽度(mm): 15

测试模式: C

发光面高度(mm): 0

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## 光度结果

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灯具光通量(lm): 159.97

灯具效能(lm/w): 51.60

中心光强(cd): 1519.404

最大光强(cd): 1548.565

最大光强角度:  $C=150.0 \gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=18.0

[C90/270]Total=12.7

光束扩散角(10%Imax): [C0/180]Total=37.8

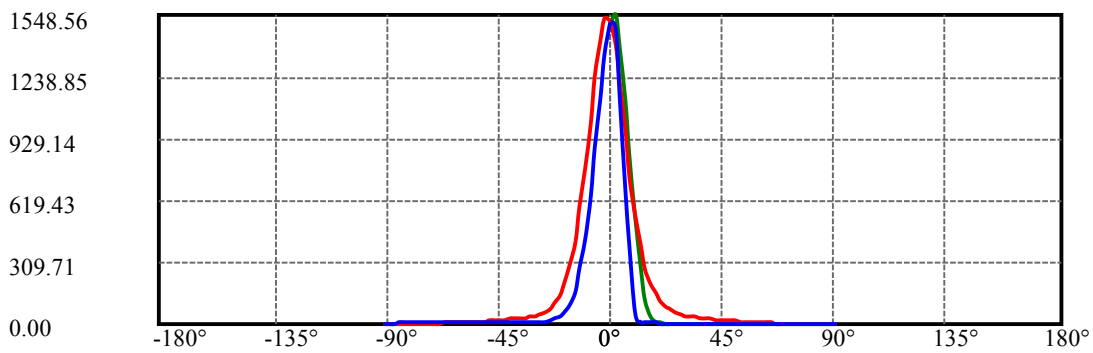
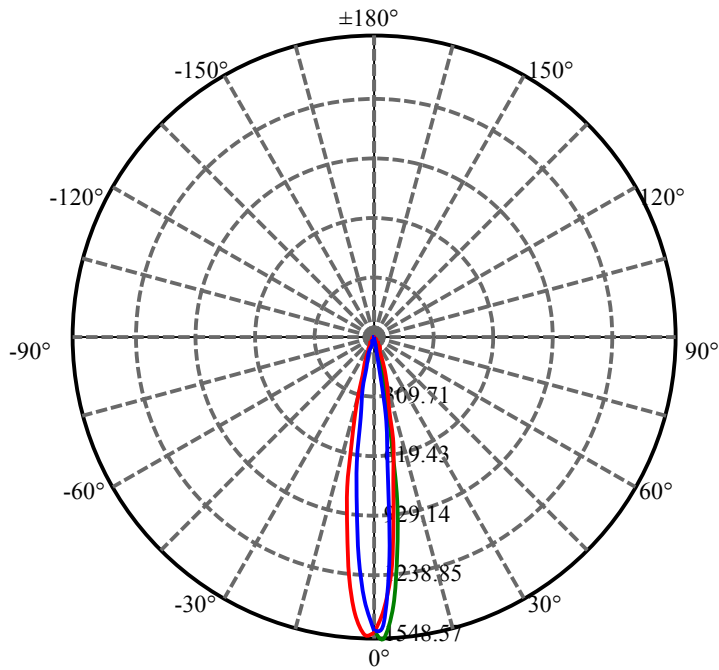
[C90/270]Total=23.9

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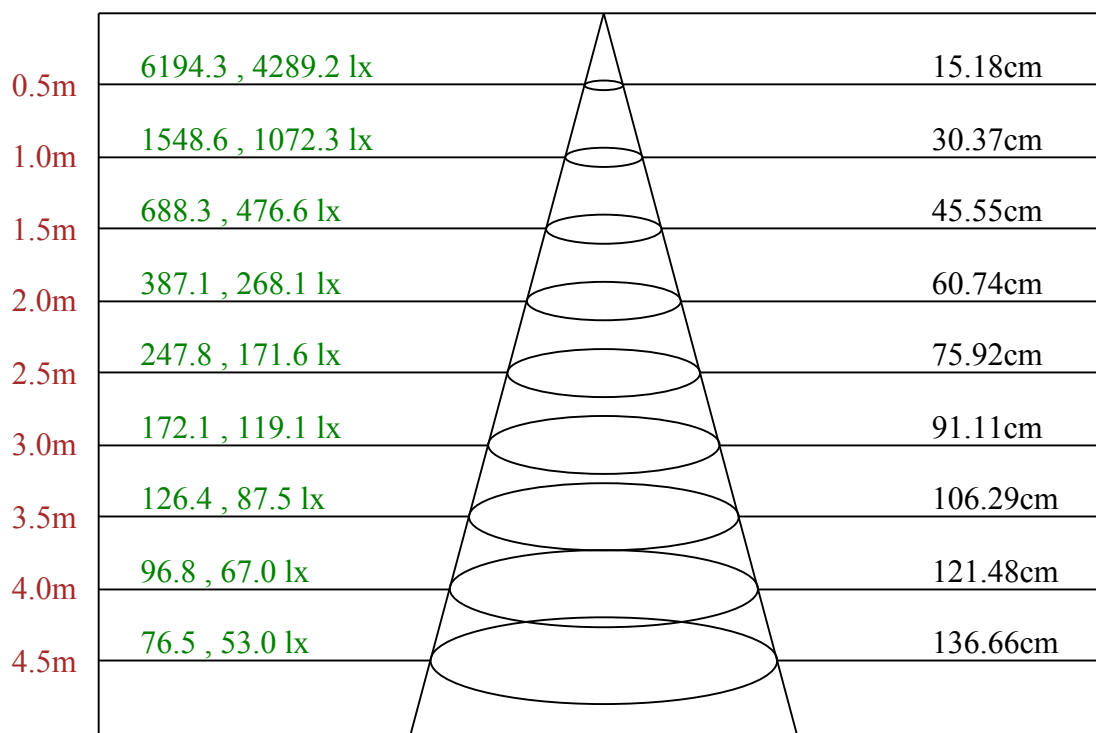
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/19  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

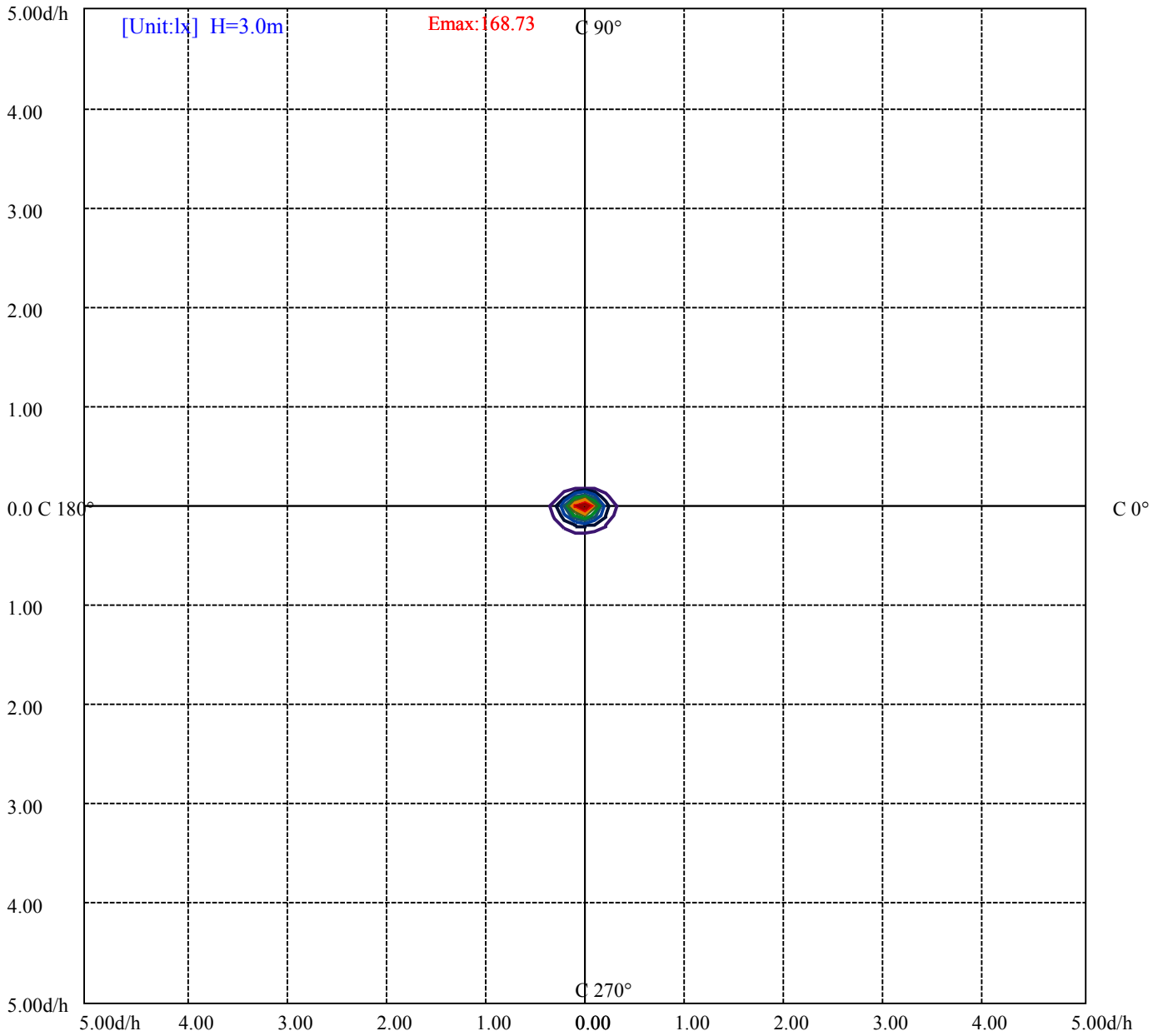


C150(Max): ————  
C0/C180: ————  
C90/C270: ————



Max , Ave C150面光束角17.27

ROLED 地埋灯  
平面等照度曲线



- (10%Emax) 16.87322
- (20%Emax) 33.74656
- (30%Emax) 50.61978
- (40%Emax) 67.49311
- (50%Emax) 84.36633
- (60%Emax) 101.2396
- (70%Emax) 118.1133
- (80%Emax) 134.9867
- (90%Emax) 151.8589

# ROLED 地埋灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

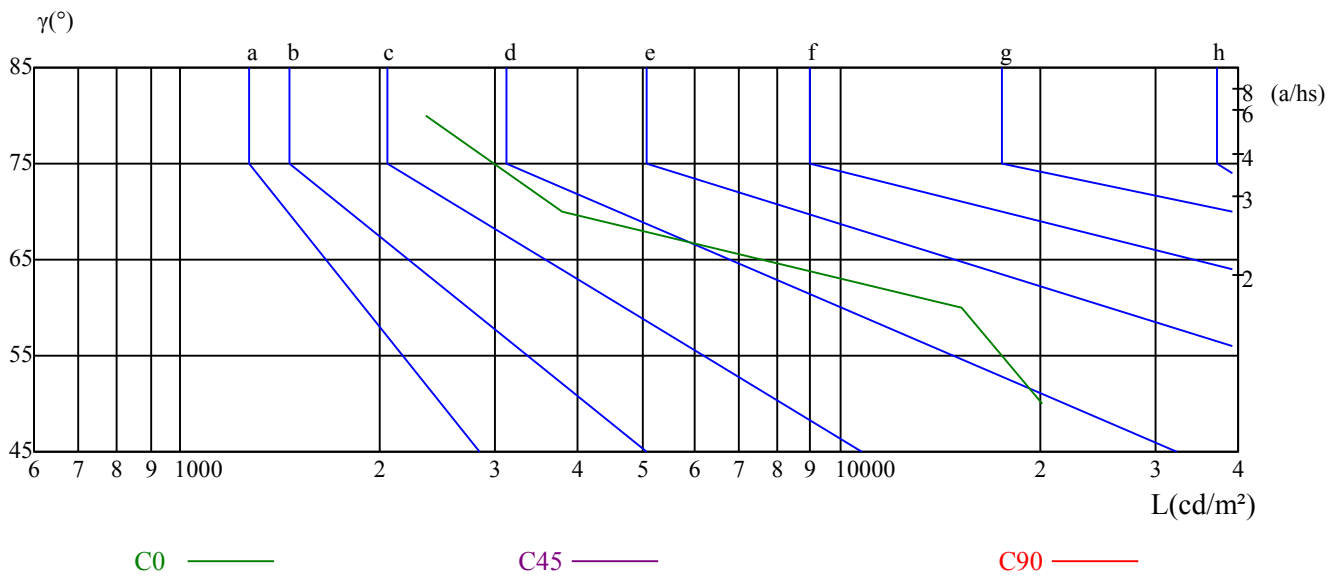
| $\gamma$ | 45 | 50    | 55 | 60    | 65 | 70   | 75 | 80   | 85 |
|----------|----|-------|----|-------|----|------|----|------|----|
| C0       | 0  | 20162 | 0  | 15279 | 0  | 3789 | 0  | 2357 | 0  |
| C45      | 0  | 0     | 0  | 0     | 0  | 0    | 0  | 0    | 0  |
| C90      | 0  | 0     | 0  | 0     | 0  | 0    | 0  | 0    | 0  |

| L横(65) | L纵(65) | L45(65) | L横(75) | L纵(75) | L45(75) | L横(85) | L纵(85) | L45(85) |
|--------|--------|---------|--------|--------|---------|--------|--------|---------|
| 0      | 0      | 0       | 0      | 0      | 0       | 0      | 0      | 0       |

眩光等级表

| 眩光等级 | 质量等级 | 使用照度(lx) |      |      |            |            |            |            |            |
|------|------|----------|------|------|------------|------------|------------|------------|------------|
| 1.15 | A    | 2000     | 1000 | 500  | $\leq 300$ |            |            |            |            |
| 1.5  | B    |          | 2000 | 1000 | 500        | $\leq 300$ |            |            |            |
| 1.85 | C    |          |      | 2000 | 1000       | 500        | $\leq 300$ |            |            |
| 2.2  | D    |          |      |      | 2000       | 1000       | 500        | $\leq 300$ |            |
| 2.55 | E    |          |      |      |            | 2000       | 1000       | 500        | $\leq 300$ |
|      |      | a        | b    | c    | d          | e          | f          | g          | h          |

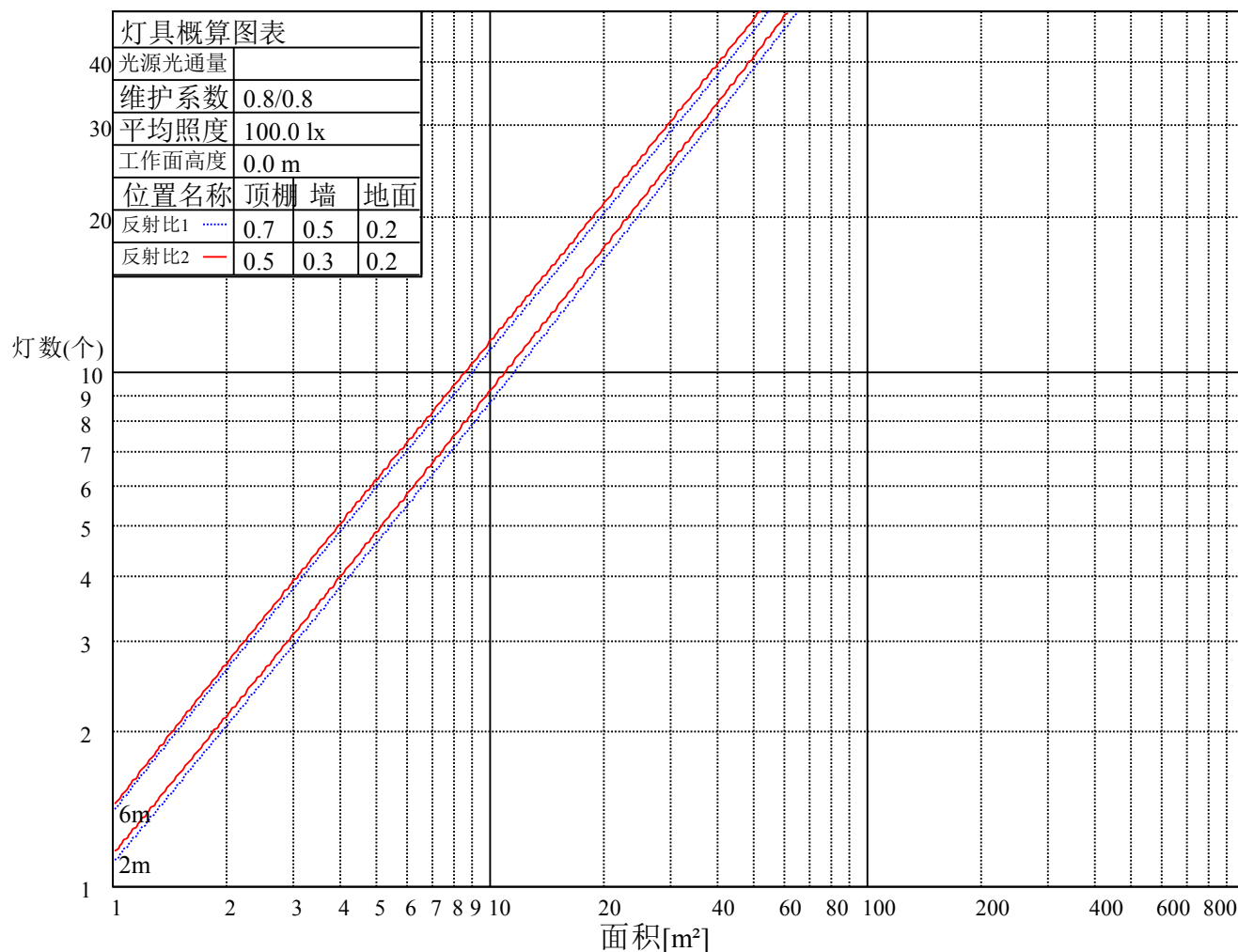
亮度限制曲线



| 参照UGR的照射评估      |          |                  |       |       |       |           |                |       |       |       |       |
|-----------------|----------|------------------|-------|-------|-------|-----------|----------------|-------|-------|-------|-------|
| 天花板反射率          | 70       | 70               | 50    | 50    | 30    | 70        | 70             | 50    | 50    | 30    |       |
| 墙壁反射率           | 50       | 30               | 50    | 30    | 30    | 50        | 30             | 50    | 30    | 30    |       |
| 地板反射率           | 20       | 20               | 20    | 20    | 20    | 20        | 20             | 20    | 20    | 20    |       |
| 空间尺寸            |          | Viewed crosswise |       |       |       |           | Viewed endwise |       |       |       |       |
| X               | Y        |                  |       |       |       |           |                |       |       |       |       |
| 2H              | 2H       | 15.28            | 16.28 | 15.65 | 16.59 | 16.91     | 20.43          | 21.43 | 20.80 | 21.74 | 22.05 |
|                 | 3H       | 19.20            | 20.08 | 19.58 | 20.41 | 20.78     | 21.36          | 22.24 | 21.74 | 22.57 | 22.94 |
|                 | 4H       | 21.23            | 22.05 | 21.64 | 22.40 | 22.79     | 21.40          | 22.22 | 21.81 | 22.57 | 22.96 |
|                 | 6H       | 23.43            | 24.17 | 23.85 | 24.55 | 24.94     | 21.43          | 22.18 | 21.85 | 22.55 | 22.95 |
|                 | 8H       | 24.58            | 25.28 | 25.02 | 25.67 | 26.08     | 21.45          | 22.15 | 21.89 | 22.54 | 22.95 |
|                 | 12H      | 26.38            | 27.05 | 26.81 | 27.43 | 27.86     | 21.51          | 22.18 | 21.95 | 22.56 | 23.00 |
| 4H              | 2H       | 15.65            | 16.47 | 16.06 | 16.82 | 17.21     | 20.29          | 21.10 | 20.70 | 21.46 | 21.85 |
|                 | 3H       | 19.83            | 20.50 | 20.24 | 20.91 | 21.31     | 21.31          | 21.98 | 21.72 | 22.39 | 22.79 |
|                 | 4H       | 22.06            | 22.66 | 22.50 | 23.08 | 23.53     | 21.46          | 22.06 | 21.90 | 22.49 | 22.93 |
|                 | 6H       | 24.38            | 24.89 | 24.85 | 25.34 | 25.81     | 21.62          | 22.14 | 22.09 | 22.59 | 23.06 |
|                 | 8H       | 25.71            | 26.19 | 26.19 | 26.64 | 27.12     | 21.73          | 22.21 | 22.21 | 22.66 | 23.14 |
|                 | 12H      | 27.52            | 27.93 | 28.01 | 28.42 | 28.90     | 21.88          | 22.30 | 22.38 | 22.79 | 23.26 |
| 8H              | 4H       | 22.32            | 22.80 | 22.80 | 23.25 | 23.73     | 21.80          | 22.28 | 22.28 | 22.73 | 23.20 |
|                 | 6H       | 24.92            | 25.30 | 25.43 | 25.81 | 26.29     | 22.27          | 22.65 | 22.78 | 23.15 | 23.63 |
|                 | 8H       | 26.46            | 26.79 | 26.99 | 27.32 | 27.81     | 22.58          | 22.91 | 23.11 | 23.44 | 23.93 |
|                 | 12H      | 28.45            | 28.74 | 28.97 | 29.24 | 29.82     | 23.35          | 23.65 | 23.88 | 24.14 | 24.72 |
| 12H             | 4H       | 22.34            | 22.76 | 22.83 | 23.24 | 23.72     | 21.99          | 22.40 | 22.48 | 22.89 | 23.37 |
|                 | 6H       | 25.30            | 25.35 | 25.55 | 25.83 | 26.38     | 22.92          | 22.98 | 23.18 | 23.45 | 24.00 |
|                 | 8H       | 26.65            | 26.94 | 27.17 | 27.44 | 28.02     | 23.13          | 23.42 | 23.65 | 23.92 | 24.50 |
| 对应照射距离，改变观察者位置S |          |                  |       |       |       |           |                |       |       |       |       |
| S = 1.0H        | 5.6/负无穷大 |                  |       |       |       | 1.7/-2.2  |                |       |       |       |       |
| S = 1.5H        | 7.5/负无穷大 |                  |       |       |       | 3.5/-9.2  |                |       |       |       |       |
| S = 2.0H        | 7.9/负无穷大 |                  |       |       |       | 6.4/-12.2 |                |       |       |       |       |
| 标准表格            | BK12     |                  |       |       |       | BK1       |                |       |       |       |       |
| 更正系数            | -20.6    |                  |       |       |       | -2.4      |                |       |       |       |       |

# ROLED 地埋灯

## 灯具的概算曲线



# ROLED 地埋灯

## 灯具的利用系数表

| RHOCC | 80                                      |      |      | 70   |      |      | 50   |      |      | 30   |      |      | 10   |      |      | 0    |
|-------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| RHOW  | 50                                      | 30   | 10   | 50   | 30   | 10   | 50   | 30   | 10   | 50   | 30   | 10   | 50   | 30   | 10   | 0    |
| RCR   | COEFFICIENTS OF UTILIZATION RHOFC=20 CU |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 0     | 1.19                                    | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1     | 1.12                                    | 1.10 | 1.08 | 1.10 | 1.08 | 1.06 | 1.06 | 1.05 | 1.03 | 1.02 | 1.01 | 1.00 | 0.99 | 0.98 | 0.97 | 0.96 |
| 2     | 1.07                                    | 1.03 | 1.01 | 1.05 | 1.02 | 1.00 | 1.02 | 1.00 | 0.98 | 0.99 | 0.97 | 0.95 | 0.96 | 0.95 | 0.94 | 0.92 |
| 3     | 1.02                                    | 0.98 | 0.95 | 1.01 | 0.97 | 0.95 | 0.98 | 0.95 | 0.93 | 0.96 | 0.94 | 0.92 | 0.94 | 0.92 | 0.90 | 0.89 |
| 4     | 0.98                                    | 0.94 | 0.91 | 0.97 | 0.94 | 0.91 | 0.95 | 0.92 | 0.90 | 0.93 | 0.91 | 0.89 | 0.92 | 0.89 | 0.88 | 0.86 |
| 5     | 0.95                                    | 0.91 | 0.88 | 0.94 | 0.90 | 0.87 | 0.93 | 0.89 | 0.87 | 0.91 | 0.88 | 0.86 | 0.90 | 0.87 | 0.85 | 0.84 |
| 6     | 0.92                                    | 0.88 | 0.85 | 0.91 | 0.88 | 0.85 | 0.90 | 0.87 | 0.84 | 0.89 | 0.86 | 0.84 | 0.88 | 0.85 | 0.83 | 0.82 |
| 7     | 0.90                                    | 0.86 | 0.83 | 0.89 | 0.85 | 0.82 | 0.88 | 0.85 | 0.82 | 0.87 | 0.84 | 0.82 | 0.86 | 0.83 | 0.81 | 0.80 |
| 8     | 0.87                                    | 0.83 | 0.81 | 0.87 | 0.83 | 0.80 | 0.86 | 0.83 | 0.80 | 0.85 | 0.82 | 0.80 | 0.84 | 0.82 | 0.80 | 0.79 |
| 9     | 0.85                                    | 0.81 | 0.79 | 0.85 | 0.81 | 0.79 | 0.84 | 0.81 | 0.78 | 0.83 | 0.80 | 0.78 | 0.83 | 0.80 | 0.78 | 0.77 |
| 10    | 0.84                                    | 0.80 | 0.77 | 0.83 | 0.80 | 0.77 | 0.83 | 0.79 | 0.77 | 0.82 | 0.79 | 0.77 | 0.81 | 0.79 | 0.77 | 0.76 |



ROLED 地埋灯

光强数据表(cd)

| C/γ(°) | 0.0     | 2.0     | 4.0     | 6.0     | 8.0     | 10.0   | 12.0   | 14.0   | 16.0   |
|--------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| 0.0    | 1519.40 | 1397.39 | 1210.15 | 970.73  | 742.05  | 547.14 | 389.83 | 279.71 | 203.82 |
| 30.0   | 1521.63 | 1486.79 | 1259.72 | 964.75  | 696.78  | 458.05 | 249.17 | 115.95 | 49.96  |
| 60.0   | 1515.57 | 1436.91 | 1083.53 | 717.73  | 335.96  | 125.70 | 16.73  | 6.29   | 5.53   |
| 90.0   | 1506.36 | 1468.76 | 1131.11 | 660.71  | 397.50  | 58.17  | 7.98   | 6.91   | 6.98   |
| 120.0  | 1512.50 | 1470.06 | 1161.58 | 773.90  | 373.41  | 138.05 | 11.28  | 6.52   | 5.83   |
| 150.0  | 1504.90 | 1548.56 | 1381.28 | 1118.07 | 842.58  | 538.70 | 275.41 | 121.32 | 40.06  |
| 180.0  | 1519.40 | 1530.30 | 1420.18 | 1240.39 | 1008.18 | 777.35 | 582.44 | 417.38 | 296.05 |
| 210.0  | 1521.63 | 1455.64 | 1289.19 | 1076.94 | 855.85  | 647.67 | 482.37 | 343.55 | 237.04 |
| 240.0  | 1515.57 | 1415.04 | 1230.10 | 996.82  | 753.56  | 537.93 | 388.29 | 237.73 | 146.49 |
| 270.0  | 1506.36 | 1349.81 | 1137.71 | 883.40  | 646.21  | 421.21 | 274.41 | 164.99 | 97.07  |
| 300.0  | 1512.50 | 1352.12 | 1137.25 | 896.30  | 663.01  | 471.17 | 318.84 | 210.41 | 137.90 |
| 330.0  | 1504.90 | 1341.53 | 1132.26 | 904.12  | 683.35  | 499.02 | 368.11 | 265.28 | 192.07 |
| 360.0  | 1519.40 | 1397.39 | 1210.15 | 970.73  | 742.05  | 547.14 | 389.83 | 279.71 | 203.82 |
| C/γ(°) | 18.0    | 20.0    | 22.0    | 24.0    | 26.0    | 28.0   | 30.0   | 32.0   | 34.0   |
| 0.0    | 150.79  | 114.42  | 90.24   | 72.29   | 59.01   | 48.88  | 42.59  | 38.14  | 33.99  |
| 30.0   | 18.57   | 7.75    | 4.68    | 3.45    | 2.84    | 2.53   | 2.69   | 2.53   | 2.46   |
| 60.0   | 5.37    | 5.53    | 4.14    | 2.00    | 0.31    | 0.08   | 0.00   | 0.00   | 0.00   |
| 90.0   | 6.75    | 3.76    | 0.61    | 0.23    | 0.00    | 0.00   | 0.00   | 0.00   | 0.00   |
| 120.0  | 5.99    | 5.83    | 3.45    | 1.15    | 0.23    | 0.00   | 0.00   | 0.00   | 0.00   |
| 150.0  | 11.74   | 6.22    | 4.22    | 3.61    | 3.45    | 3.53   | 3.45   | 3.45   | 3.45   |
| 180.0  | 206.12  | 146.11  | 104.98  | 79.27   | 61.16   | 50.03  | 42.36  | 36.45  | 32.54  |
| 210.0  | 168.59  | 117.64  | 85.49   | 62.92   | 47.42   | 36.45  | 29.39  | 24.17  | 20.49  |
| 240.0  | 92.39   | 59.63   | 39.29   | 25.09   | 17.27   | 12.66  | 9.36   | 7.75   | 6.68   |
| 270.0  | 57.17   | 38.52   | 27.32   | 19.03   | 14.04   | 10.90  | 8.82   | 7.75   | 7.06   |
| 300.0  | 84.56   | 52.26   | 33.15   | 22.02   | 15.58   | 11.20  | 8.59   | 7.14   | 6.14   |
| 330.0  | 142.35  | 107.36  | 82.57   | 62.39   | 46.96   | 35.84  | 28.09  | 22.71  | 18.72  |
| 360.0  | 150.79  | 114.42  | 90.24   | 72.29   | 59.01   | 48.88  | 42.59  | 38.14  | 33.99  |
| C/γ(°) | 36.0    | 38.0    | 40.0    | 42.0    | 44.0    | 46.0   | 48.0   | 50.0   | 52.0   |
| 0.0    | 31.69   | 29.16   | 25.63   | 22.87   | 21.03   | 18.49  | 16.19  | 14.58  | 12.89  |
| 30.0   | 2.53    | 2.15    | 1.76    | 1.46    | 0.92    | 0.54   | 0.31   | 0.15   | 0.08   |
| 60.0   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00   | 0.00   | 0.00   | 0.00   |
| 90.0   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00   | 0.00   | 0.00   | 0.00   |
| 120.0  | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00   | 0.00   | 0.00   | 0.00   |
| 150.0  | 2.76    | 2.00    | 1.15    | 0.77    | 0.38    | 0.15   | 0.08   | 0.08   | 0.00   |
| 180.0  | 29.62   | 27.24   | 24.33   | 21.95   | 19.80   | 17.96  | 16.11  | 14.04  | 13.05  |
| 210.0  | 17.80   | 15.19   | 12.66   | 10.36   | 8.52    | 7.37   | 6.29   | 5.14   | 4.07   |
| 240.0  | 5.91    | 5.22    | 4.76    | 4.37    | 4.07    | 3.91   | 3.84   | 3.76   | 3.68   |
| 270.0  | 6.60    | 6.14    | 5.83    | 5.60    | 5.45    | 5.45   | 5.45   | 5.37   | 5.45   |
| 300.0  | 5.37    | 4.76    | 4.37    | 4.14    | 3.91    | 3.91   | 3.84   | 3.91   | 3.84   |
| 330.0  | 15.88   | 12.82   | 10.67   | 8.90    | 7.52    | 6.06   | 4.83   | 4.07   | 3.53   |
| 360.0  | 31.69   | 29.16   | 25.63   | 22.87   | 21.03   | 18.49  | 16.19  | 14.58  | 12.89  |
| C/γ(°) | 54.0    | 56.0    | 58.0    | 60.0    | 62.0    | 64.0   | 66.0   | 68.0   | 70.0   |
| 0.0    | 11.59   | 10.05   | 9.44    | 8.59    | 6.83    | 5.37   | 4.37   | 2.99   | 1.46   |
| 30.0   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00   | 0.00   | 0.00   | 0.00   |
| 60.0   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00   | 0.00   | 0.00   | 0.00   |
| 90.0   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00   | 0.00   | 0.00   | 0.00   |
| 120.0  | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00   | 0.00   | 0.00   | 0.00   |
| 150.0  | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00   | 0.00   | 0.00   | 0.00   |
| 180.0  | 11.66   | 10.59   | 9.67    | 9.36    | 7.90    | 6.29   | 5.06   | 3.91   | 1.84   |
| 210.0  | 3.45    | 2.99    | 2.61    | 2.30    | 2.30    | 2.23   | 2.15   | 2.07   | 2.07   |
| 240.0  | 3.76    | 3.76    | 3.76    | 3.68    | 3.68    | 3.68   | 3.61   | 3.53   | 3.53   |
| 270.0  | 5.37    | 5.37    | 5.37    | 5.37    | 5.37    | 5.37   | 5.45   | 5.45   | 5.45   |
| 300.0  | 3.91    | 3.84    | 3.91    | 3.99    | 3.99    | 3.91   | 3.91   | 3.91   | 3.99   |
| 330.0  | 3.07    | 2.69    | 2.46    | 2.38    | 2.23    | 2.15   | 2.23   | 2.23   | 2.15   |
| 360.0  | 11.59   | 10.05   | 9.44    | 8.59    | 6.83    | 5.37   | 4.37   | 2.99   | 1.46   |

# ROLED 地埋灯

## 光强数据表(cd)

附页 第 10页 共10页

|        |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|
| C/γ(°) | 72.0 | 74.0 | 76.0 | 78.0 | 80.0 | 82.0 | 84.0 | 86.0 | 88.0 |
| 0.0    | 0.69 | 0.54 | 0.46 | 0.54 | 0.46 | 0.46 | 0.38 | 0.23 | 0.15 |
| 30.0   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60.0   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90.0   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120.0  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150.0  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180.0  | 0.84 | 0.54 | 0.38 | 0.38 | 0.31 | 0.23 | 0.23 | 0.08 | 0.15 |
| 210.0  | 2.15 | 2.07 | 2.00 | 2.00 | 2.00 | 2.00 | 1.92 | 1.92 | 1.84 |
| 240.0  | 3.61 | 3.38 | 3.45 | 3.38 | 3.45 | 3.30 | 3.22 | 3.07 | 2.99 |
| 270.0  | 5.45 | 5.37 | 5.37 | 5.29 | 5.22 | 5.14 | 5.06 | 4.76 | 4.45 |
| 300.0  | 3.91 | 3.84 | 3.91 | 3.91 | 3.76 | 3.68 | 3.45 | 3.30 | 3.15 |
| 330.0  | 2.15 | 2.15 | 2.07 | 2.07 | 2.07 | 2.07 | 2.00 | 2.00 | 1.84 |
| 360.0  | 0.69 | 0.54 | 0.46 | 0.54 | 0.46 | 0.46 | 0.38 | 0.23 | 0.15 |

|        |      |
|--------|------|
| C/γ(°) | 90.0 |
| 0.0    | 0.08 |
| 30.0   | 0.00 |
| 60.0   | 0.00 |
| 90.0   | 0.00 |
| 120.0  | 0.00 |
| 150.0  | 0.00 |
| 180.0  | 0.08 |
| 210.0  | 1.69 |
| 240.0  | 2.84 |
| 270.0  | 4.14 |
| 300.0  | 2.92 |
| 330.0  | 1.76 |
| 360.0  | 0.08 |